



PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION
445 12th STREET S.W.
WASHINGTON D.C. 20554

News media information 202-418-0500
Internet: <http://www.fcc.gov> (or <ftp.fcc.gov>)
TTY (202) 418-2555

Report No. SES-02284

Wednesday July 15, 2020

Satellite Communications Services Information re: Actions Taken

The Commission, by its International Bureau, took the following actions pursuant to delegated authority. The effective dates of the actions are the dates specified.

SES-AMD-20200128-00128 E E191393 Armstrong Utilities, Inc.
Amendment
Grant of Authority Date Effective: 07/08/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 9328 Woodworth Rd, Youngstown, North Lima, OH
 40 ° 58 ' 52.00 " N LAT. 80 ° 39 ' 28.00 " W LONG.

ANTENNA ID: 1 3.8 meters Patriot ISO 9001/2000

3700.0000 - 4200.0000 MHz 36M0G7W Digital

Points of Communication:

1 - PERMITTED LIST - ()

SES-AMD-20200511-00517 E E160077 Kenneth Copeland Ministries
Amendment
Grant of Authority Date Effective: 07/08/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 14355 Morris Dido Road (4.8M.), Wise, Newark, TX
32 ° 59 ' 21.00 " N LAT. 97 ° 29 ' 7.00 " W LONG.

ANTENNA ID:	4.8M.	4.8 meters	GD VERTEX	4.8M.
	6325.0000 - 6425.0000 MHz		1M23G7W 58.80 dBW	Digital traffic, various FEC, modulations and data rates
	6325.0000 - 6425.0000 MHz		36M0G7W 71.44 dBW	Digital traffic, various FEC, modulations and data rates
	5985.0000 - 6167.0000 MHz		36M0G7W 71.10 dBW	Digital traffic, various FEC, modulations and data rates
	5985.0000 - 6167.0000 MHz		1M23G7W 56.80 dBW	Digital traffic, various FEC, modulations and data rates
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital traffic, various FEC, modulations and data rates
	3700.0000 - 4200.0000 MHz		1M23G7W	Digital traffic, various FEC, modulations and data rates

Points of Communication:

1 - PERMITTED LIST - ()

SES-ASG-20200708-00723 E E120106 Gogo CA Licenses LLC
Application for Consent to Assignment
Grant of Authority Date Effective: 07/10/2020

Current Licensee: AC BidCo LLC

FROM: AC BidCo LLC

TO: Gogo CA Licenses LLC

No. of Station(s) listed: 2

SES-MOD-20180817-02673 E E010188 Cox Communications Arizona, LLC
Application for Modification 07/09/2011 - 07/09/2026
Grant of Authority Date Effective: 07/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Chandler
LOCATION: 4777 EAST 29TH STREET, PIMA, TUSCON, AZ
32 ° 12 ' 3.80 " N LAT. 110 ° 53 ' 26.50 " W LONG.

ANTENNA ID:	5.0	5 meters	Stimulsat	5.0m
	3700.0000 - 4200.0000 MHz		36M0G7W	DIGITAL VIDEO

Points of Communication:

Chandler - PERMITTED LIST - ()

SES-MOD-20180820-02670 E E010196 Cox Communications, Inc
Application for Modification 07/16/2011 - 07/16/2026
Grant of Authority Date Effective: 07/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Fort Smith

LOCATION: 3117 STATE LINE, SEBASTIAN, FORT SMITH, AR
35 ° 21 ' 15.10 " N LAT. 94 ° 25 ' 53.10 " W LONG.

ANTENNA ID: 3.7m 3.7 meters General Dynamics/Prodelin 3.7m

3700.0000 - 4200.0000 MHz 36M0G7W DIGITAL VIDEO CARRIER

Points of Communication:

Fort Smith - PERMITTED LIST - ()

SES-MOD-20180821-02800 E E010284 Cox Communications Louisiana, LLC
Application for Modification 10/15/2011 - 10/15/2026
Grant of Authority Date Effective: 07/10/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 101 APRIL ST., LAFAYETTE, LAFAYETTE, LA
30 ° 13 ' 34.70 " N LAT. 92 ° 3 ' 3.40 " W LONG.

ANTENNA ID: 1 5 meters SCIENTIFIC-ATLANTA 8008

3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20180821-02801 E E880410 Cox Communications Louisiana, LLC
Application for Modification 03/18/2008 - 03/18/2023
Grant of Authority Date Effective: 07/10/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 41107 Hwy. 621, ASCENSION PaRISH, GONZALES, LA
30 ° 16 ' 9.30 " N LAT. 90 ° 55 ' 5.30 " W LONG.

ANTENNA ID: 1 5 meters SCIENTIFIC ATLANTA 8008
3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20180821-02802 E E010304 Cox Communications Gulf Coast, LLC
Application for Modification 09/24/2011 - 09/24/2026
Grant of Authority Date Effective: 07/14/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Pensacola
LOCATION: 2120 WEST JORDAN STREET, ESCAMBIA, PENSACOLA, LA
 30 ° 26 ' 3.70 " N LAT. 87 ° 14 ' 30.20 " W LONG.

ANTENNA ID: 4.5 4.5 meters SCIENTIFIC-ATLANTA 8345
3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

Points of Communication:

Pensacola - PERMITTED LIST - ()

SES-MOD-20180821-02803 E E010303 Cox Communications Gulf Coast, LLC
Application for Modification 09/24/2011 - 09/24/2026
Grant of Authority Date Effective: 07/14/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Ft. Walton Beach
LOCATION: 784 NORTH BEAL PKWY, OKALOOSA, FT. WALTON BEACH, FL
 30 ° 26 ' 42.80 " N LAT. 86 ° 38 ' 23.00 " W LONG.

ANTENNA ID: 3.8m 3.8 meters PATRIOT 3.8M
3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

Points of Communication:

Ft. Walton Beach - PERMITTED LIST - ()

SES-MOD-20180821-02804 E E6017 Cox Communications Gulf Coast, LLC
Application for Modification 07/22/2018 - 07/22/2033
Grant of Authority Date Effective: 07/14/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Ft. Walton Beach
LOCATION: 784 Beal Parkway., NW, OKALOOSA, Ft. Walton Beach, FL
30 ° 26 ' 43.00 " N LAT. 86 ° 38 ' 22.70 " W LONG.

ANTENNA ID: 7.0 7 meters AFC 7.0m
3700.0000 - 4200.0000 MHz 36M0G7W Digatal Video Carrier

Points of Communication:

Ft. Walton Beach - PERMITTED LIST - ()

SES-MOD-20180821-02807 E E090185 Cox Communications Louisiana, LLC
Application for Modification 10/23/2009 - 10/23/2024
Grant of Authority Date Effective: 07/14/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Baton Rouge
LOCATION: 7401 Florida Boulevard, East Baton Rouge Paris, Baton Rouge, LA
30 ° 27 ' 21.40 " N LAT. 91 ° 6 ' 38.30 " W LONG.

ANTENNA ID: 5.0 5 meters ATCI Simulsat 5B
3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

Points of Communication:

Baton Rouge - PERMITTED LIST - ()

SES-MOD-20180906-03574 E E070160 Scripps Broadcasting Holdings LLC
Application for Modification 07/27/2007 - 07/27/2022
Grant of Authority Date Effective: 07/08/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 1866 E CHISHOLM DRIVE, CANYON, NAMPA, ID
43 ° 36 ' 0.00 " N LAT. 116 ° 32 ' 52.20 " W LONG.

ANTENNA ID: 1 4.5 meters ANDREW ESA45
3700.0000 - 4200.0000 MHz 36M0G7F Compressed Digital Video

ANTENNA ID: 2 9 meters ANDREW ESA91-46
3700.0000 - 4200.0000 MHz 36M0G7W Digital Multiplex Carrier

ANTENNA ID:	3	7 meters	ANDREW	ESA70
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Multiplex Carrier
ANTENNA ID:	4	4.5 meters	DH	4.5M.
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Multiplex Carrier
ANTENNA ID:	5	3.7 meters	DH	3.7M.
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Multiplex Carrier
ANTENNA ID:	6	4.2 meters	AFC	4.2M.
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Multiplex Carrier
ANTENNA ID:	7	3.1 meters	Patriot	PRT310
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Multiplex Carrier

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20180920-03558	E	E180626	Sinclair Television Group, Inc.	
Application for Modification				05/08/2018 - 05/08/2033
Grant of Authority				Date Effective: 07/08/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 15518 US HWY 63, ADAIR, KIRKSVILLE, MO
40 ° 15 ' 53.50 " N LAT. 92 ° 34 ' 47.70 " W LONG.

ANTENNA ID:	1	4.5 meters	Patriot	PRT
	3700.0000 - 4200.0000 MHz		36M0G7W	digital data: various FEC, data rates and modulation
ANTENNA ID:	4.5M.	4.5 meters	Patriot	PRT
	3700.0000 - 4200.0000 MHz		36M0G7W	DIGITAL VIDEO, AND DATA

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20180921-03580	E	E2823	Comcast Cable Communications Management, LLC	
Application for Modification				03/04/2011 - 03/04/2026
Grant of Authority				Date Effective: 07/10/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 300 Corliss Street, ALLEGHANY, PITTSBURGH, PA
40 ° 27 ' 6.00 " N LAT. 80 ° 2 ' 48.00 " W LONG.

ANTENNA ID: 5M. 5 meters SCIENTIFIC ATLANTA 8008
3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20181001-03901 E E050128 The Community Agency
Application for Modification 04/29/2005 - 04/29/2020
Grant of Authority Date Effective: 07/14/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 102 S.EASTERN STREET, O'BRIEN, SANBORN, IA
43 ° 10 ' 52.50 " N LAT. 95 ° 38 ' 36.20 " W LONG.

ANTENNA ID: 1 4.6 meters SCIENTIFIC-ATLANTA 8005
3700.0000 - 4200.0000 MHz 36M0F8W ANLOG, DIGITAL, DATA ,
COMPRESSED DIGITAL

ANTENNA ID: 2 3.1 meters PATRIOT TRT310
3700.0000 - 4200.0000 MHz 36M0F8W ANLOG, DIGITAL, DATA ,
COMPRESSED DIGITAL

ANTENNA ID: 3 4.5 meters SCIENTIFIC-ATLANTA A345PF
3700.0000 - 4200.0000 MHz 36M0F8W ANLOG, DIGITAL, DATA ,
COMPRESSED DIGITAL

ANTENNA ID: 4 3.7 meters DAWNCO D37
3700.0000 - 4200.0000 MHz 36M0F8W ANLOG, DIGITAL, DATA ,
COMPRESSED DIGITAL

Points of Communication:

1 - PERMITTED LIST - ()

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 1909 SOUTH NEW ROAD, MCLENNAN, WACO, TX
31 ° 30 ' 25.80 " N LAT.

97 ° 9 ' 19.20 " W LONG.

ANTENNA ID:	1	7.3 meters	ANDREW CORP.	ES73-1
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video Carrier
ANTENNA ID:	2	4.2 meters	DH	42DH1
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video Carrier
ANTENNA ID:	3	3.7 meters	PRODELIN	1374-990
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video Carrier
ANTENNA ID:	4	3 meters	DH	30DH1
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video Carrier
ANTENNA ID:	5	3 meters	PRODELIN	1304
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video Carrier
ANTENNA ID:	6	1.8 meters	PRODELIN	1183
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video Carrier
ANTENNA ID:	7	3.7 meters	PRODELIN	1375
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video Carrier
ANTENNA ID:	8	4.5 meters	ANDREW	ESA45-4
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video Carrier
ANTENNA ID:	9	3.7 meters	DH	37DH1
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video Carrier
ANTENNA ID:	10	6.1 meters	RSI VERTEX	6.1KXC
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video Carrier
ANTENNA ID:	11	5 meters	DH	50DH1

3700.0000 - 4200.0000 MHz

36M0G7W

Digital Video Carrier

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20181008-03807 E E180036 Hearst Stations Inc.

Application for Modification

03/08/2018 - 03/08/2033

Grant of Authority

Date Effective: 07/14/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 3 Television Circle, Sacramento, Sacramento, CA

38 ° 35 ' 16.70 " N LAT.

121 ° 29 ' 32.80 " W LONG.

ANTENNA ID: 1	4.5 meters	COMMSCOPE	ES45MPJ
3700.0000 - 4200.0000 MHz		36M0G7W	Video
ANTENNA ID: 2	3.8 meters	PATRIOT	PRT-380
3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video Carrier
ANTENNA ID: 3	3.7 meters	PATRIOT	ES37K
3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video Carrier
ANTENNA ID: 4	3.7 meters	D&H	37DH1
3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video Carrier
ANTENNA ID: 5	4.5 meters	PATRIOT	PRT-450
3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video Carrier
ANTENNA ID: 6	3.7 meters	AFC	3.7/PR-12
3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video Carrier

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20181008-03898 E E060024 Hearst Stations Inc.

Application for Modification

01/27/2006 - 01/27/2021

Grant of Authority

Date Effective: 07/14/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 400 ARDMORE BLVD., ALLEGHENY, PITTSBURGH, PA
40 ° 26 ' 9.50 " N LAT. 79 ° 52 ' 10.70 " W LONG.

ANTENNA ID:	1	4.5 meters	ANDREW CORP.	ESA45-4
	3700.0000 - 4200.0000 MHz		36M0G7F	COMPRESSED DIGITAL VIDEO
	3700.0000 - 4200.0000 MHz		36M0F3F	STANDARD ANALOG VIDEO
ANTENNA ID:	DISH19	7.3 meters	ANDREW	ESA73-46
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video Carrier
ANTENNA ID:	DISH1	7 meters	SCIENTIFIC ATLANTA	8010
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video Carrier
ANTENNA ID:	DISH7	4.5 meters	VIASAT	8345
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video Carrier

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20181008-03923 E E050052 Citizens Cablevision Inc
Application for Modification 02/28/2020 - 02/28/2035
Grant of Authority Date Effective: 07/08/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 220 Webbs Mill Road, FLOYD, FLOYD, VA
36 ° 55 ' 6.30 " N LAT. 80 ° 19 ' 32.70 " W LONG.

ANTENNA ID:	1	5 meters	ATCI SIMULSAT	SIMULSAT 5B
	3700.0000 - 4200.0000 MHz		36M0F8W	VIDEO

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20181010-04300 E E180148 Scripps Media, Inc.
Application for Modification 05/01/2018 - 05/01/2033
Grant of Authority Date Effective: 07/14/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 220 East 42nd Street, New York, New York, NY
40 ° 44 ' 59.70 " N LAT. 73 ° 58 ' 24.50 " W LONG.

ANTENNA ID: 1 4.9 meters Andrew 4.9M
3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier
ANTENNA ID: 2 4.5 meters SUPERIOR SAT 4.5M
3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier
ANTENNA ID: 3 4.5 meters SUPERIOR SAT 4.5M
3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20181011-03796 E E060035 Northern Community Radio, Inc.
Application for Modification 02/13/2006 - 02/13/2021
Grant of Authority Date Effective: 07/08/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 260 NE 2ND ST., KEN, GRAND RAPIDS, MN
47 ° 14 ' 0.10 " N LAT. 93 ° 31 ' 27.50 " W LONG.

ANTENNA ID: 1 3.8 meters Comtech 3.8
3700.0000 - 4200.0000 MHz 30K0G7W DIGITAL TRAFFIC
3700.0000 - 4200.0000 MHz 30M0G7W DIGITAL TRAFFIC

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20181011-03906 E E180275 WDAF License, Inc.
Application for Modification 05/10/2018 - 05/10/2033
Grant of Authority Date Effective: 07/14/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: STUDIO
LOCATION: 3030 Summit, Jackson, Kansas City, MD
39 ° 4 ' 18.90 " N LAT. 94 ° 35 ' 42.30 " W LONG.

ANTENNA ID:	1	4.5 meters	Patriot	4.5 meter
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video Carrier
ANTENNA ID:	2	5 meters	DH	5 METER
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video Carrier
SITE ID:	TELPORT			
LOCATION:	3030 SUMMIT, JACKSON, KANSAS CITY, MO			
	39 ° 4 ' 18.90 " N LAT.			94 ° 35 ' 50.20 " W LONG.
ANTENNA ID:	3	3.8 meters	PATRIOT	3..8 METER
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video Carrier
ANTENNA ID:	4	3.1 meters	PATRIOT	3.1 METER
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video Carrier
ANTENNA ID:	5	5 meters	SUPERIOR SAT	5 METER
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video Carrier
ANTENNA ID:	6	4.5 meters	SCIENTIFIC-ATLANTA	4.5 METER
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video Carrier
ANTENNA ID:	7	4.5 meters	PATRIOT	4.5 METER
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video Carrier
ANTENNA ID:	8	4.5 meters	AFC	4.5 METER
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video Carrier
ANTENNA ID:	9	4.5 meters	ANDREW	4.5 METER
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video Carrier

Points of Communication:

STUDIO - PERMITTED LIST - ()

TELPORT - PERMITTED LIST - ()

SES-MOD-20181011-03931 E E180517 KEYE Licensee, LLC

Application for Modification

05/24/2018 - 05/24/2033

Grant of Authority

Date Effective: 07/08/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 10700 Metric Blvd., Travis, Austin, TX
30 ° 23 ' 14.50 " N LAT. 97 ° 42 ' 42.80 " W LONG.

ANTENNA ID:	1	7.3 meters	Andrew Corporation	7.3M
	3700.0000 - 4200.0000 MHz		36M0G7W	digital data: various FEC, data rates and modulation
ANTENNA ID:	2	4.5 meters	ANDREW CORPORATION	ES45
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video and Data
ANTENNA ID:	3	3.8 meters	PATRIOT	PRT380
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video and Data

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20181011-04506 E E180471 WMMP Licensee L.P.
Application for Modification 05/21/2018 - 05/21/2033
Grant of Authority Date Effective: 07/08/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 888 Allbritton Blvd, Charleston, Mount Pleasant, SC
32 ° 48 ' 32.60 " N LAT. 79 ° 52 ' 17.30 " W LONG.

ANTENNA ID:	1	4.5 meters	Andrew Corporation	ESA45-46A
	3700.0000 - 4200.0000 MHz		36M0G7W	digital data: various FEC, data rates and modulation
ANTENNA ID:	2	5 meters	COMTECH	5M
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video and Data
ANTENNA ID:	3	3.8 meters	DH	38DH1
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video and Data
ANTENNA ID:	4	4.5 meters	ANDREW CORPORATION	ESA45-46A
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video and Data
ANTENNA ID:	5	3.8 meters	PATRIOT	3.8MAZE1
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video and Data

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20181011-04509	E E180140	Scripps Broadcasting Holdings LLC	05/01/2018 - 05/01/2033
Application for Modification			Date Effective: 07/14/2020
Grant of Authority			

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 5020 West Amelia Earhart Dr, Salt Lake County, Salt Lake City, UT
40 ° 46 ' 37.80 " N LAT. 112 ° 0 ' 38.80 " W LONG.

ANTENNA ID: 1	4.5 meters	ASC	4.5METER
	3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video Carrier
ANTENNA ID: 2	3.8 meters	COMTECH	3.8METER
	3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video Carrier
ANTENNA ID: 3	3.7 meters	DH	3.7METER
	3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video Carrier
ANTENNA ID: 4	3 meters	PRODELIN	3METER
	3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video Carrier
ANTENNA ID: 5	3.6 meters	AFC	3.6METER
	3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video Carrier

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20181011-04510	E E180236	KHGI Licensee, LLC	05/08/2018 - 05/08/2033
Application for Modification			Date Effective: 07/08/2020
Grant of Authority			

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 1078 25th Road, Kearney, Axtell, NE
40 ° 29 ' 35.60 " N LAT. 99 ° 5 ' 2.70 " W LONG.

ANTENNA ID: 1	7.3 meters	Andrew Corporation	ESA73-46
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3700.0000 - 4200.0000 MHz	36M0G7W	digital data: various FEC, data rates and modulation
ANTENNA ID: 2	4.5 meters ANDREW	ESA45
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video and Data
ANTENNA ID: 3	5 meters AFC	5.0/PR-16
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video and Data
ANTENNA ID: 4	3.1 meters PATRIOT	PRT-310AZ
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video and Data

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20181011-04511 E E080085 WKYC-TV, LLC
 Application for Modification 05/28/2008 - 05/28/2023
 Grant of Authority Date Effective: 07/14/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: HTN1
 LOCATION: 1333 Lakeside Avenue, CUYAHOGA, Cleveland, OH
 41 ° 30 ' 29.60 " N LAT. 81 ° 41 ' 15.90 " W LONG.

ANTENNA ID: 1	4.5 meters Andrew	ES45MPJ-1
5925.0000 - 6425.0000 MHz	18M0G7W 64.48 dBW	QPSK
ANTENNA ID: 2	4.5 meters ASC SIGNAL	4.5M
3700.0000 - 4200.0000 MHz	36M0G7W	Digital video, audio and data
ANTENNA ID: 3	3.6 meters COMTECH	3.6
3700.0000 - 4200.0000 MHz	36M0G7W	Digital video, audio and data.

Points of Communication:

HTN1 - PERMITTED LIST - ()

SES-MOD-20181012-03927 E E180204 WPGH Licensee, LLC
 Application for Modification 05/04/2018 - 05/04/2033
 Grant of Authority Date Effective: 07/08/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 750 Ivory Ave, Allegheny, Pittsburgh, PA
40 ° 29 ' 41.60 " N LAT. 80 ° 0 ' 16.05 " W LONG.

ANTENNA ID:	1	7.3 meters	Comtech	7.3M
	3700.0000 - 4200.0000 MHz		36M0G7W	digital data: various FEC, data rates and modulation
ANTENNA ID:	2	4.5 meters	ANDREW	ES45
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video and Data

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20181012-03929 E E180247 KPTM Licensee, LLC
Application for Modification 05/09/2018 - 05/09/2033
Grant of Authority Date Effective: 07/08/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 4625 Farnam St, Douglas, Omaha, NE
41 ° 15 ' 26.30 " N LAT. 95 ° 59 ' 1.20 " W LONG.

ANTENNA ID:	1	4.5 meters	DH Satellite	Gibraltar
	3700.0000 - 4200.0000 MHz		36M0G7W	digital data: various FEC, data rates and modulation
ANTENNA ID:	2	4.5 meters	ANDREW	4.5M
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video and Data
ANTENNA ID:	3	6.1 meters	VERTEX	6.1KPC
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video and Data
ANTENNA ID:	4	4.5 meters	ANDREW	4.5M
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video and Data
ANTENNA ID:	5	4.5 meters	PATRIOT	4.5
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video and Data

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20181012-05239 E E4206 Wire Tele View Corp.
Application for Modification 09/11/2017 - 09/11/2032
Grant of Authority Date Effective: 07/14/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 603 E. MARKET ST., SCHUYLKILL, POTTSVILLE, PA
40 ° 40 ' 0.60 " N LAT. 76 ° 9 ' 46.00 " W LONG.

ANTENNA ID:	1	5 meters	AFC/MICRODYNE	PR-16.4
	3700.0000 - 4200.0000 MHz		36M0F3F	
ANTENNA ID:	2	3.8 meters	PATRIOT	RT380AZ
	3700.0000 - 4200.0000 MHz		36M0G7W	CABLE TELEVISION SERVICE

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20181012-05582 E E180513 KUPN Licensee, LLC
Application for Modification 05/23/2018 - 05/23/2033
Grant of Authority Date Effective: 07/08/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 1500 Foremaster Lane, Clark, Las Vegas, NV
36 ° 11 ' 6.70 " N LAT. 115 ° 7 ' 38.70 " W LONG.

ANTENNA ID:	1	4.5 meters	Patriot	4.5M
	3700.0000 - 4200.0000 MHz		36M0G7W	digital data: various FEC, data rates and modulation
ANTENNA ID:	2	4.5 meters	PATRIOT	PRT450
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video and Data
ANTENNA ID:	3	4.5 meters	PATRIOT	PRT450
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video and Data
ANTENNA ID:	4	3.2 meters	PATRIOT	PRT320
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video and Data

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20181014-05639 E E180280 Fox Television Stations, LLC
Application for Modification 05/11/2018 - 05/11/2033
Grant of Authority Date Effective: 07/14/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 1813 Westlake Ave. N, King, Seattle, WA
47 ° 38 ' 8.00 " N LAT. 122 ° 20 ' 28.00 " W LONG.

ANTENNA ID:	1	4.5 meters	Andrew	4.5 meter
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video Carrier
ANTENNA ID:	5	5 meters	AFC	5.0METER
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video Carrier
ANTENNA ID:	2.8	2.8 meters	DAWNCO	2.8METER
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video Carrier
ANTENNA ID:	3.7	3.7 meters	PRODELIN	3.7METER
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video Carrier

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20181015-03554 E E040443 Discovery World Television, Inc.
Application for Modification 11/19/2019 - 11/19/2034
Grant of Authority Date Effective: 07/10/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 45580 TERMINAL DRIVE, LOUDOUN, STERLING, VA
38 ° 59 ' 15.40 " N LAT. 77 ° 25 ' 30.90 " W LONG.

ANTENNA ID:	1	4.5 meters	PATRIOT ANTENNA SYSTEMS	4.5METER
	3700.0000 - 4200.0000 MHz		36M0G7W	DIGITAL VIDEO, AUDIO, AND DATA
	3700.0000 - 4200.0000 MHz		4M00G7W -	DIGITAL VIDEO, AUDIO, AND DATA

3700.0000 - 4200.0000 MHz	36M0F8W	ANALOG VIDEO WITH ASSOCIATED AUDIO SUBCARRIERS
ANTENNA ID: 3.8M.	3.8 meters	PATRIOT 3.8 METER
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video Carrier
3700.0000 - 4200.0000 MHz	4M00G7W	Digital Video Carrier
ANTENNA ID: 4.5M.	4.5 meters	PATRIOT 4.5 METER
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video Carrier

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20181015-03701	E E120156	UniMas Boston LLC	08/06/2012 - 08/06/2027
Application for Modification			Date Effective: 07/08/2020
Grant of Authority			

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 71 PARMENTER ROAD, MIDDLESEX, HUDSON, MA
42 ° 23 ' 3.00 " N LAT. 71 ° 29 ' 36.80 " W LONG.

ANTENNA ID: 1	7.3 meters	COMTECH	847007-G
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video	

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20181015-03790	E E040336	Discovery World Television, Inc.	08/13/2019 - 08/13/2034
Application for Modification			Date Effective: 07/08/2020
Grant of Authority			

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 45880 TERMINAL DRIVE, LOUDOUN, STERLING, VA
38 ° 59 ' 16.30 " N LAT. 77 ° 25 ' 31.10 " W LONG.

ANTENNA ID: 1	4.5 meters	PATRIOT	4.5M.
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video Carrier	
3700.0000 - 4200.0000 MHz	4M00G7W -	Digital Data Carrier	

3700.0000 - 4200.0000 MHz

36M0G7W

Digital Video and Data

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20181015-03932 E E180202 KRXI Licensee, LLC

Application for Modification

05/04/2018 - 05/04/2033

Grant of Authority

Date Effective: 07/08/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 1790 Vassar St, Washoe, Reno, NV

39 ° 30 ' 44.20 " N LAT.

119 ° 47 ' 11.40 " W LONG.

ANTENNA ID: 1 5 meters AFC 5.0M

3700.0000 - 4200.0000 MHz 36M0G7W digital data: various FEC, data rates and modulation

ANTENNA ID: 2 4.5 meters SCIENTIFIC ATLANTA SA4.5

3700.0000 - 4200.0000 MHz 36M0G7W Digital Video and Data

ANTENNA ID: 3 3.8 meters PRODELIN PRO3.8

3700.0000 - 4200.0000 MHz 36M0G7W Digital Video and Data

ANTENNA ID: 4 4.5 meters ANDREW ES45

3700.0000 - 4200.0000 MHz 36M0G7W Digital Video and Data

ANTENNA ID: 5 3.7 meters DH DH3.7

3700.0000 - 4200.0000 MHz 36M0G7W Digital Video and Data

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20181015-03935 E E180264 South West Oregon Television Broadcasting Corporation

Application for Modification

05/08/2018 - 05/08/2033

Grant of Authority

Date Effective: 07/08/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 655 W Umpqua St, Douglas, Roseburg, OR

43 ° 12 ' 47.80 " N LAT.

123 ° 21 ' 30.70 " W LONG.

ANTENNA ID:	1	3.7 meters	Prodelin	136.750
	3700.0000 - 4200.0000 MHz		36M0G7W	digital data: various FEC, data rates and modulation
	3700.0000 - 4200.0000 MHz		36M0G7W	DIGITAL DATA A VIDEO

ANTENNA ID:	2	4.6 meters	MARK PRODUCTS CO.	USP-4180RL
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Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20181016-03786	E	E170080	MX1 Inc.	
Application for Modification				04/12/2017 - 04/12/2032
Grant of Authority				Date Effective: 07/08/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
 LOCATION: 157 Kimbles Road, Wayne, Hawley, PA
 41 ° 27 ' 49.80 " N LAT. 75 ° 7 ' 51.30 " W LONG.

ANTENNA ID:	HS7B	9.3 meters	ASC Signal	9.3 meter
	5925.0000 - 6425.0000 MHz		36M0G7W 79.14 dBW	Digital data
	5925.0000 - 6425.0000 MHz		6M00G7W 71.30 dBW	Digital data
	3700.0000 - 4200.0000 MHz		36M0G7W 0.00 dBW	Digital data
	3700.0000 - 4200.0000 MHz		6M00G7W 0.00 dBW	Digital data
	5925.0000 - 6425.0000 MHz		1M00F8W 63.50 dBW	ANALOG TC CARRIER
	5925.0000 - 6425.0000 MHz		100KG7W 53.50 dBW	Digital data
	3700.0000 - 4200.0000 MHz		100KG7W	Digital data

ANTENNA ID:	HS13A	9.3 meters	GD Satcom/Vertex	9.3 KPC
	5925.0000 - 6425.0000 MHz		36M0G7W 79.54 dBW	Digital data
	5925.0000 - 6425.0000 MHz		6M00G7W 71.70 dBW	Digital data
	3700.0000 - 4200.0000 MHz		36M0G7W 0.00 dBW	Digital data
	3700.0000 - 4200.0000 MHz		6M00G7W 0.00 dBW	Digital data
	5925.0000 - 6425.0000 MHz		1M00F8W 64.00 dBW	ANALOG TELECOMMAND CARRIER

5925.0000 - 6425.0000 MHz	100KG7W	53.90 dBW	Digital data
3700.0000 - 4200.0000 MHz	100KG7W		Digital data

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20181017-03680 E E090084 AT&T Corp.
 Application for Modification
 Grant of Authority

06/22/2009 - 06/22/2024
 Date Effective: 07/08/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
 LOCATION: 285 Bear Creek Boulevard, Henry, Hampton, GA
 33 ° 22 ' 41.40 " N LAT. 84 ° 17 ' 51.70 " W LONG.

ANTENNA ID: 1	18.3 meters	Vertex Communications	18.3 KPC
6243.0000 - 6425.0000 MHz	36M0G7W	81.80 dBW	Digital Audio and Data
6243.0000 - 6425.0000 MHz	1M50G7W	71.70 dBW	Digital Audio and Data
5991.0000 - 6211.0000 MHz	36M0G7W	81.80 dBW	Digital Audio and Data
5991.0000 - 6211.0000 MHz	1M50G7W	71.70 dBW	Digital Audio and Data
5925.0000 - 5959.0000 MHz	33M0G7W	81.80 dBW	Digital Audio and Data
5925.0000 - 5959.0000 MHz	1M50G7W	71.70 dBW	Digital Audio and Data
3700.0000 - 4200.0000 MHz	36M0G7W		Digital Audio and Data
3700.0000 - 4200.0000 MHz	1M50G7W		Digital Audio and Data

ANTENNA ID: 13.1	13.1 meters	GEN DYNAMICS	SATCOM
5925.0000 - 5959.0000 MHz	1M50G7W	69.04 dBW	DIGITAL DATA
5925.0000 - 5959.0000 MHz	36M0G7W	82.84 dBW	DIGITAL DATA
5991.0000 - 6211.0000 MHz	1M50G7W	69.04 dBW	DIGITAL DATA
5991.0000 - 6211.0000 MHz	36M0G7W	82.84 dBW	DIGITAL DATA
6243.0000 - 6425.0000 MHz	1M50G7W	69.04 dBW	DIGITAL DATA
6243.0000 - 6425.0000 MHz	36M0G7W	82.84 dBW	DIGITAL DATA

3700.0000 - 4200.0000 MHz	1M50G7W	DIGITAL DATA
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3700.0000 - 4200.0000 MHz	36M0G7W	DIGITAL DATA
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Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20181018-03924	E E2516	CoBridge Broadband, LLC		
Application for Modification			10/29/2010 - 10/29/2025	
Grant of Authority			Date Effective:	07/08/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 24301 S JEFFERSON PKWY, CASS, HARRISONVILLE, MO
38 ° 40 ' 46.00 " N LAT. 94 ° 21 ' 1.00 " W LONG.

ANTENNA ID:	1	5 meters	SCIENTIFIC ATLANTA	8008B
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3700.0000 - 4200.0000 MHz	36M0G7W	
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Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20190522-00621	E E040462	TDS METROCOM, LLC		
Application for Modification			12/11/2019 - 12/11/2034	
Grant of Authority			Date Effective:	07/10/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 6400 SCHROEDER ROAD, DANE, MADISON, WI
43 ° 2 ' 52.01 " N LAT. 89 ° 29 ' 33.47 " W LONG.

ANTENNA ID:	1	4.5 meters	SUPERIOR SATELLITE	SSE8345
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3700.0000 - 4200.0000 MHz	36M0G7W	NULL
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Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20190522-00786	E KG24	TDS BROADBAND SERVICE LLC		
Application for Modification			02/21/2011 - 02/21/2026	
Grant of Authority			Date Effective:	07/10/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 1092 N. CANAL STREET, EDDY, CARLSBAD, NM
32 ° 26 ' 7.74 " N LAT. 104 ° 13 ' 42.01 " W LONG.

ANTENNA ID:	1	4.5 meters	SCIENTIFIC ATLANTA	8345 4.5 METER
		3700.0000 - 4200.0000 MHz	25M0F8W	
ANTENNA ID:	8	5.1 meters	Scientific Atlanta	8023
		3700.0000 - 4200.0000 MHz	25M0F8W	NULL
ANTENNA ID:	9	3.8 meters	Patriot	Commercial Antenna E
		3700.0000 - 4200.0000 MHz	25M0F8W	NULL
ANTENNA ID:	10	3.6 meters	Patriot	Commercial Antenna E
		3700.0000 - 4200.0000 MHz	25M0F8W	NULL

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20190523-00766 E E070169 WICD Licensee, LLC
Application for Modification 08/06/2007 - 08/06/2022
Grant of Authority Date Effective: 07/08/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: W I C D Site 1
LOCATION: 250 S. COUNTRY FAIR RD., CHAMPAIGN, CHAMPAIGN, IL
40 ° 6 ' 51.50 " N LAT. 88 ° 16 ' 49.20 " W LONG.

ANTENNA ID:	4.5M.	4.5 meters	ANDREW CORP.	ESA45
		3700.0000 - 4200.0000 MHz	36M0F3F	STANDARD ANALOG VIDEO
		3700.0000 - 4200.0000 MHz	36M0G7W	COMPRESSED DIGITAL VIDEO
ANTENNA ID:	2	4.9 meters	ANDREW	ESA4.9
		3700.0000 - 4200.0000 MHz	36M0G7W	NULL
ANTENNA ID:	3	4.7 meters	USS	USS47
		3700.0000 - 4200.0000 MHz	36M0G7W	NULL

Points of Communication:

W I C D Site 1 - PERMITTED LIST - ()

SES-MOD-20200305-00221 E E890531 SES Americom, Inc.

Application for Modification

05/12/2009 - 05/12/2024

Grant of Authority

Date Effective: 07/14/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: CONUS, AK, HI

ANTENNA ID: 1 2.4 meters ANDREW ESA24-124

14000.0000 - 14500.0000 MHz 5K50F7D 36.50 dBW

14000.0000 - 14500.0000 MHz 4M09F7D 65.20 dBW

ANTENNA ID: 2 2.4 meters NEC/GEMINI 24KU/G24KU

14000.0000 - 14500.0000 MHz 5K50F7D 35.90 dBW

14000.0000 - 14500.0000 MHz 4M09F7D 64.60 dBW

ANTENNA ID: 3 2.4 meters VERTEX V24KU

14000.0000 - 14500.0000 MHz 5K50F7D 36.70 dBW

14000.0000 - 14500.0000 MHz 4M09F7D 65.40 dBW

ANTENNA ID: 4 2.4 meters NORTHERN SATELLITE 2402

14000.0000 - 14500.0000 MHz 2M35F7D 63.00 dBW

14000.0000 - 14500.0000 MHz 9K60F7D 39.10 dBW

ANTENNA ID: 5 2.4 meters PRODELIN 2.4M

14000.0000 - 14500.0000 MHz 5K50F7D 36.60 dBW

14000.0000 - 14500.0000 MHz 4M09F7D 65.30 dBW

ANTENNA ID: 6 2.4 meters GD SATCOM SERIES1244

14000.0000 - 14500.0000 MHz 100KG7W 49.18 dBW

14000.0000 - 14500.0000 MHz 2M50G7W 63.16 dBW

14000.0000 - 14500.0000 MHz 5M00G7W 63.16 dBW

14000.0000 - 14500.0000 MHz	7M90G7W	63.16 dBW
11700.0000 - 12200.0000 MHz	100KG7W	
11700.0000 - 12200.0000 MHz	36M0G7W	

ANTENNA ID: 7 2.4 meters SKYWARE GLOBAL TYPE243

14000.0000 - 14500.0000 MHz	100KG7W	48.90 dBW
14000.0000 - 14500.0000 MHz	4M02G7W	64.90 dBW
14000.0000 - 14500.0000 MHz	8M04G7W	64.90 dBW
14000.0000 - 14500.0000 MHz	12M7G7W	64.90 dBW
11700.0000 - 12200.0000 MHz	100KG7W	
11700.0000 - 12200.0000 MHz	36M0G7W	

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20200413-00398	E E160077	Kenneth Copeland Ministries	06/14/2016 - 06/14/2031
Application for Modification			Date Effective: 07/08/2020
Grant of Authority			

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
 LOCATION: 14355 Morris Dido Road (4.8M.), Wise, Newark, TX
 32 ° 59 ' 21.00 " N LAT. 97 ° 29 ' 7.00 " W LONG.

ANTENNA ID: 4.8M.	4.8 meters	GD VERTEX	4.8M.
5985.0000 - 6167.0000 MHz	36M0G7W	71.10 dBW	Digital traffic, various FEC, modulations and data rates
5985.0000 - 6167.0000 MHz	1M23G7W	56.80 dBW	Digital traffic, various FEC, modulations and data rates
6325.0000 - 6425.0000 MHz	1M23G7W	58.80 dBW	Digital traffic, various FEC, modulations and data rates
6325.0000 - 6425.0000 MHz	36M0G7W	71.44 dBW	Digital traffic, various FEC, modulations and data rates
3700.0000 - 4200.0000 MHz	1M23G7W		Digital traffic, various FEC, modulations and data rates

3700.0000 - 4200.0000 MHz

36M0G7W

Digital traffic, various FEC, modulations
and data rates

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180620-01797 E E181073 Mediacom Communications Corporation

Registration

06/20/2018 - 06/20/2033

Grant of Authority

Date Effective: 07/14/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: GA 013

LOCATION: Dirt road at the end of Cortez Court, Ben Hill, Fitzgerald, GA

31 ° 44 ' 12.30 " N LAT.

83 ° 16 ' 17.80 " W LONG.

ANTENNA ID: ANT 1

3.8 meters

DH

Gibralter

3700.0000 - 4200.0000 MHz

36M0G7D

Video

Points of Communication:

GA 013 - PERMITTED LIST - ()

SES-REG-20180706-02043 E E181273 Saga Communications of New England, LLC

Registration

07/05/2018 - 07/05/2033

Grant of Authority

Date Effective: 07/14/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 45 Fisher Ave, Hamden, East Longmeadow, MA

42 ° 4 ' 25.30 " N LAT.

72 ° 31 ' 26.20 " W LONG.

ANTENNA ID: 1

3.7 meters

DawnCo

3.7 Meter

3700.0000 - 4200.0000 MHz

36M0F8W

0.00 dBW

Analog Audio

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180716-02312 E E181436 Great Plains Cable Television

Registration

07/16/2018 - 07/16/2033

Grant of Authority

Date Effective: 07/14/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 1002 Main Street, Cuming, Bancroft, NE
42 ° 0 ' 15.18 " N LAT. 96 ° 34 ' 20.67 " W LONG.

ANTENNA ID: 1 3.7 meters Prodelin 3.7 Meter
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital video

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180821-02766 E E181777 Cox Communications Gulf Coast, LLC
Registration 07/30/2018 - 07/30/2033
Grant of Authority Date Effective: 07/14/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Ft. Walton Beach
LOCATION: 784 Beal Pkwy NW, Okaloosa, Ft. Walton Beach, FL
30 ° 26 ' 42.70 " N LAT. 86 ° 38 ' 24.50 " W LONG.

ANTENNA ID: 4.5M 4.5 meters Scientific Atlanta 8345
3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

Points of Communication:

Ft. Walton Beach - PERMITTED LIST - ()

SES-REG-20180827-04026 E E190332 Entravision Holdings, LLC
Registration 08/27/2018 - 08/27/2033
Grant of Authority Date Effective: 07/14/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: KORO Site
LOCATION: 102 N. Mesquite St., Nueces, Corpus Christi, TX
27 ° 47 ' 31.10 " N LAT. 97 ° 23 ' 45.00 " W LONG.

ANTENNA ID: 1 3.8 meters Patriot 380AZ
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Data/Digital Audio/Digital Video

ANTENNA ID: 2 4.5 meters Andrew ASC ES45P-1
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Data/Digital Audio/Digital Video

ANTENNA ID: 3 3.7 meters DH Satellite 3.7 m

3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	Digital Data/Digital Audio/Digital Video
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Points of Communication:

KORO Site - PERMITTED LIST - ()

SES-REG-20180829-04042	E	E190348	Grand Valley State University	08/29/2018 - 08/29/2033
Registration				Date Effective: 07/13/2020
Grant of Authority				

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 4465 Pierce St, Ottawa, Allendale, MI
42 ° 57 ' 33.50 " N LAT. 85 ° 53 ' 46.00 " W LONG.

ANTENNA ID: 1	7 meters	RSI	7 meter
3700.0000 - 4200.0000 MHz	36M0F8W	0.00 dBW	Analog Audio and Video
ANTENNA ID: 2	3.7 meters	Prodelin	3.7
3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	Digital Audio and Data
ANTENNA ID: 3	10 meters	Andrew	10 meter
3700.0000 - 4200.0000 MHz	36M0F8W	0.00 dBW	Analog Audio and Video

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180831-04151	E	E190457	Astound Broadband, LLC	08/31/2018 - 08/31/2033
Registration				Date Effective: 07/13/2020
Grant of Authority				

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 271 Skyline Drive, Humbolt, Benbow, CA
40 ° 4 ' 3.00 " N LAT. 123 ° 46 ' 23.00 " W LONG.

ANTENNA ID: 1	4.2 meters	Scientific Atlanta	Unknown
3700.0000 - 4200.0000 MHz	36M0F8F		Analog Video w/Associated Subcarriers
3700.0000 - 4200.0000 MHz	36M0G7F		Video Compressed
ANTENNA ID: 2	3.8 meters	Patriot	Unknown

3700.0000 - 4200.0000 MHz	36M0F8F	Analog Video w/Associated Subcarriers
3700.0000 - 4200.0000 MHz	36M0G7F	Video Compressed

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180831-04152 E E190458 WaveDivision I, LLC
Registration 08/31/2018 - 08/31/2033
Grant of Authority Date Effective: 07/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 398 W. Cross Island Rd., Island, Camano Island, WA
48 ° 13 ' 34.60 " N LAT. 122 ° 30 ' 14.70 " W LONG.

ANTENNA ID: 1 4.5 meters Patriot King 450

3700.0000 - 4200.0000 MHz	36M0F8F	Analog Video w/Associated Subcarriers
3700.0000 - 4200.0000 MHz	36M0G7F	Video Compressed

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180831-04153 E E190459 Leatherman Communications, Inc.
Registration 08/31/2018 - 08/31/2033
Grant of Authority Date Effective: 07/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 421 Washington Street, Livingston, Chillicothe, MO
39 ° 47 ' 30.20 " N LAT. 93 ° 33 ' 11.50 " W LONG.

ANTENNA ID: 1 3.5 meters Hughes RO-3.5

3700.0000 - 4200.0000 MHz	2M45G7W	0.00 dBW	DVB-S RECEIVE ONLY
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Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180913-04389 E E190718 Corporation of the Presiding Bishop of The Church of Jesus Christ of Latter-day
Registration 09/13/2018 - 09/13/2033
Grant of Authority Date Effective: 07/14/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1 CAMDEN
LOCATION: 859 Lakewood Road, CAMDEN, AR
33 ° 30 ' 53.33 " N LAT. 92 ° 50 ' 34.49 " W LONG.

ANTENNA ID: 1 3.4 meters General Dynamics Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 2 HOT SPRINGS
LOCATION: 2765 Malvern Avenue, HOT SPRINGS, AR
34 ° 28 ' 18.81 " N LAT. 93 ° 0 ' 16.66 " W LONG.

ANTENNA ID: 2 3.4 meters GENERAL DYNAMICS Satcomm1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 3 RUSSELLVILLE 1, 2
LOCATION: 200 South Cumberland Avenue, RUSSELLVILLE, AR
35 ° 16 ' 57.18 " N LAT. 93 ° 9 ' 30.60 " W LONG.

ANTENNA ID: 3 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 4 MAGNOLIA
LOCATION: 2504 Pearce, MAGNOLIA, AR
33 ° 17 ' 28.73 " N LAT. 93 ° 13 ' 23.98 " W LONG.

ANTENNA ID: 4 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 5 DANVILLE
LOCATION: 13842 North State Hwy 27, DANVILLE, AR
35 ° 5 ' 56.63 " N LAT. 93 ° 22 ' 6.25 " W LONG.

ANTENNA ID: 5 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 6 CLARKSVILLE
LOCATION: 240 Country Club Drive, CLARKSVILLE, AR
35 ° 27 ' 4.74 " N LAT. 93 ° 29 ' 32.97 " W LONG.

ANTENNA ID: 6 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 7 GLENWOOD
LOCATION: 1466 Highway 70 West, GLENWOOD, AR
 34 ° 19 ' 29.83 " N LAT. 93 ° 34 ' 55.56 " W LONG.

ANTENNA ID: 7 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 8 HARRISON
LOCATION: 272 Valley View Church Road, HARRISON, AR
 36 ° 11 ' 55.67 " N LAT. 93 ° 7 ' 42.23 " W LONG.

ANTENNA ID: 8 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 9 HOPE
LOCATION: 3069 Highway 29 North, HOPE, AR
 33 ° 42 ' 20.89 " N LAT. 93 ° 36 ' 15.68 " W LONG.

ANTENNA ID: 9 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 10 FAYETTEVILLE 1, 2
LOCATION: 1225 East Zion Road, FAYETTEVILLE, AR
 36 ° 7 ' 44.75 " N LAT. 94 ° 8 ' 25.65 " W LONG.

ANTENNA ID: 10 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 11 LITTLEFLOCKROGERS
LOCATION: 2805 North Dixieland Road, ROGERS, AR
 36 ° 21 ' 30.00 " N LAT. 94 ° 8 ' 33.90 " W LONG.

ANTENNA ID: 11 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 12 FAYETTEVILLE ARUOA
LOCATION: 402 North Arkansas Avenue, FAYETTEVILLE, AR
 36 ° 4 ' 9.82 " N LAT. 94 ° 10 ' 5.67 " W LONG.

ANTENNA ID: 12 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 13 BERRYVILLE
LOCATION: 806 West Freeman Avenue, BERRYVILLE, AR
36 ° 22 ' 16.35 " N LAT. 93 ° 34 ' 56.96 " W LONG.

ANTENNA ID: 13 3.4 meters GENERAL DYNAMICS Satcom 1344
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 14HAR-BER SPRINGDALE
LOCATION: 6738 Lynch's Prairie Ct, SPRINGDALE, AR
36 ° 10 ' 40.36 " N LAT. 94 ° 12 ' 16.36 " W LONG.

ANTENNA ID: 14 3.4 meters GENERAL DYNAMICS Satcom 1344
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 15 ALMA, VAN BUREN
LOCATION: 201 Canterbury Drive, ALMA, AR
35 ° 30 ' 16.75 " N LAT. 94 ° 13 ' 40.21 " W LONG.

ANTENNA ID: 15 3.4 meters GENERAL DYNAMICS Satcom 1344
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 16 GREENWOOD
LOCATION: 915 West Center Street, GREENWOOD, AR
35 ° 12 ' 58.97 " N LAT. 94 ° 16 ' 11.93 " W LONG.

ANTENNA ID: 16 3.4 meters GENERAL DYNAMICS Satcom 1344
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 17 FORT SMITH &
LOCATION: 8712 Horan Drive, FT SMITH, AR
35 ° 21 ' 31.04 " N LAT. 94 ° 20 ' 11.31 " W LONG.

ANTENNA ID: 17 3.4 meters GENERAL DYNAMICS Satcom 1344
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 18BENTONVILLE1, 2,CE
LOCATION: 1101 Northeast McCollum Drive, BENTONVILLE, AR
36 ° 23 ' 5.70 " N LAT. 94 ° 10 ' 52.78 " W LONG.

ANTENNA ID: 18 3.4 meters GENERAL DYNAMICS Satcom 1344
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 19 MENA
LOCATION: 2590 Highway 88 East, MENA, AR
34 ° 35 ' 6.98 " N LAT. 94 ° 11 ' 57.79 " W LONG.

SITE ID: 26 CHINLE &
LOCATION: Hwy 191 & Indian Route 8094, CHINLE, AZ
36 ° 9 ' 4.81 " N LAT. 109 ° 35 ' 29.10 " W LONG.

ANTENNA ID: 26 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 27 ELFRIDA
LOCATION: 10539 North Highway 191, ELFRIDA, AZ
31 ° 41 ' 44.26 " N LAT. 109 ° 41 ' 12.96 " W LONG.

ANTENNA ID: 27 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 28 VERNON
LOCATION: 1570 County Rd 3140, VERNON, AZ
34 ° 15 ' 12.70 " N LAT. 109 ° 41 ' 34.02 " W LONG.

ANTENNA ID: 28 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 29 SAFFORD 3, 4, 5 &
LOCATION: 501 Catalina Drive, SAFFORD, AZ
32 ° 49 ' 7.08 " N LAT. 109 ° 42 ' 46.23 " W LONG.

ANTENNA ID: 29 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 30 GILAVALLEY AZ(EAC)
LOCATION: 871 N College Ave, THATCHER, AZ
32 ° 50 ' 48.71 " N LAT. 109 ° 45 ' 37.64 " W LONG.

ANTENNA ID: 30 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 31 DOUGLAS
LOCATION: 2700 East 15th Street, DOUGLAS, AZ
31 ° 21 ' 0.02 " N LAT. 109 ° 31 ' 3.67 " W LONG.

ANTENNA ID: 31 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 32 SUNSITES
LOCATION: 206 North Ford Street, PEARCE-SUNSITES, AZ
31 ° 56 ' 20.90 " N LAT. 109 ° 49 ' 56.04 " W LONG.

SITE ID: 39 PALOMA,PARKPLACE,
LOCATION: 1401 West Deuce of Clubs, SHOW LOW, AZ
34 ° 14 ' 29.75 " N LAT. 110 ° 3 ' 23.54 " W LONG.

ANTENNA ID: 39 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 40 CENTENNIAL2, 3, 4
LOCATION: 9th S 2nd W Street, SNOWFLAKE, AZ
34 ° 29 ' 46.21 " N LAT. 110 ° 4 ' 54.56 " W LONG.

ANTENNA ID: 40 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 41 HARVESTVALLE,SCHO
LOCATION: 309 W Willow Ln, TAYLOR, AZ
34 ° 27 ' 43.10 " N LAT. 110 ° 5 ' 51.45 " W LONG.

ANTENNA ID: 41 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 42LITTLECOLORADO,PAI
LOCATION: 1127 Helen Avenue, HOLBROOK, AZ
34 ° 54 ' 53.10 " N LAT. 110 ° 9 ' 36.12 " W LONG.

ANTENNA ID: 42 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 43 SHOWLOWCREEK,SHOW
LOCATION: 300 North 11th Street, SHOW LOW, AZ
34 ° 15 ' 8.10 " N LAT. 110 ° 1 ' 51.65 " W LONG.

ANTENNA ID: 43 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 44BENSON,BUTTERFIELD
LOCATION: 381 North Pomerene Road, BENSON, AZ
31 ° 58 ' 16.69 " N LAT. 110 ° 16 ' 20.08 " W LONG.

ANTENNA ID: 44 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 45CLAYSPRINGS,PINEDA
LOCATION: 5150 Highway 260, CLAY SPRINGS, AZ
34 ° 20 ' 13.22 " N LAT. 110 ° 16 ' 21.25 " W LONG.

ANTENNA ID: 45 3.4 meters GENERAL DYNAMICS Satcom 1344
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 46HEREFORD,SIERRAVIS
LOCATION: 2100 East Yaqui Street, SIERRA VISTA, AZ
31 ° 28 ' 52.94 " N LAT. 110 ° 16 ' 29.96 " W LONG.

ANTENNA ID: 46 3.4 meters GENERAL DYNAMICS Satcom 1344
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 47 MORRILTON
LOCATION: 1101 Burrow Street, MORRILTON, AR
35 ° 8 ' 29.12 " N LAT. 92 ° 43 ' 36.24 " W LONG.

ANTENNA ID: 47 3.4 meters GENERAL DYNAMICS Satcom 1344
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 48 EL DORADO
LOCATION: 422 East 28th Street, EL DORADO, AR
33 ° 14 ' 38.61 " N LAT. 92 ° 39 ' 29.49 " W LONG.

ANTENNA ID: 48 3.4 meters GENERAL DYNAMICS Satcom 1344
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 49 KAYENTA
LOCATION: Hwy 163 N of 160, KAYENTA, AZ
36 ° 43 ' 20.53 " N LAT. 110 ° 15 ' 49.17 " W LONG.

ANTENNA ID: 49 3.4 meters GENERAL DYNAMICS Satcom 1344
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 50 CONWAY 1, 2
LOCATION: 2045 Dave Ward Drive, CONWAY, AR
35 ° 4 ' 11.27 " N LAT. 92 ° 27 ' 7.82 " W LONG.

ANTENNA ID: 50 3.4 meters GENERAL DYNAMICS Satcom 1344
3700.0000 - 4200.0000 MHz 36M0G7W

Points of Communication:

- 1 CAMDEN - PERMITTED LIST - ()
- 10 FAYETTEVILLE 1, 2 - PERMITTED LIST - ()
- 11 LITTLEFLOCKROGERS - PERMITTED LIST - ()
- 12FAYETTEVILLE ARUOA - PERMITTED LIST - ()

13 BERRYVILLE - PERMITTED LIST - ()

14 HAR-BER SPRINGDALE - PERMITTED LIST - ()

15 ALMA, VAN BUREN - PERMITTED LIST - ()

16 GREENWOOD - PERMITTED LIST - ()

17 FORT SMITH & - PERMITTED LIST - ()

18 BENTONVILLE 1, 2, CE - PERMITTED LIST - ()

19 MENA - PERMITTED LIST - ()

2 HOT SPRINGS - PERMITTED LIST - ()

20 DUNCAN, VIRDEN & - PERMITTED LIST - ()

21 EAGAR 1, 4 RAMSEY P - PERMITTED LIST - ()

22 CLIFTON - PERMITTED LIST - ()

23 SANDERS - PERMITTED LIST - ()

24 GROVER'S HILL, LYMAN - PERMITTED LIST - ()

25 SILOAM SPRINGS - PERMITTED LIST - ()

26 CHINLE & - PERMITTED LIST - ()

27 ELFRIDA - PERMITTED LIST - ()

28 VERNON - PERMITTED LIST - ()

29 SAFFORD 3, 4, 5 & - PERMITTED LIST - ()

3 RUSSELLVILLE 1, 2 - PERMITTED LIST - ()

30 GILAVALLEY AZ (EAC) - PERMITTED LIST - ()

31 DOUGLAS - PERMITTED LIST - ()

32 SUNSITES - PERMITTED LIST - ()

33 PIMA 2, 3, THATCHER - PERMITTED LIST - ()

34 WILLCOX 1, 2, WINCHE - PERMITTED LIST - ()

35 BISBEE - PERMITTED LIST - ()

36 RAINBOW LAKE, WAGON - PERMITTED LIST - ()

37 THATCHER 3, 4, 7 & - PERMITTED LIST - ()

38 WOODRUFF - PERMITTED LIST - ()

39 PALOMA, PARK PLACE, - PERMITTED LIST - ()

4 MAGNOLIA - PERMITTED LIST - ()

SITE ID: ANZA
LOCATION: 39075 Contreras Road, ANZA, CA
33 ° 33 ' 13.83 " N LAT. 116 ° 40 ' 30.32 " W LONG.

ANTENNA ID: STANDARD 3.4 meters GENERAL DYNAMICS Satcom 1344
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: IDYLLWILD
LOCATION: 53830 Tollgate Rd, IDYLLWILD, CA
33 ° 44 ' 16.02 " N LAT. 116 ° 43 ' 22.64 " W LONG.

ANTENNA ID: STANDARD 3.4 meters GENERAL DYNAMICS Satcom 1344
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: LUCERNE VALLEY
LOCATION: 10865 Post Office Road, LUCERNE VALLEY, CA
34 ° 26 ' 59.76 " N LAT. 116 ° 55 ' 9.01 " W LONG.

ANTENNA ID: STANDARD 3.4 meters GENERAL DYNAMICS Satcom 1344
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: BANNING, BEAUMONT, S
LOCATION: 6140 West Wilson Street, BANNING, CA
33 ° 55 ' 57.03 " N LAT. 116 ° 56 ' 38.61 " W LONG.

ANTENNA ID: STANDARD 3.4 meters GENERAL DYNAMICS Satcom 1344
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: FUERTE &
LOCATION: 1270 South Orange Avenue, EL CAJON, CA
32 ° 46 ' 41.58 " N LAT. 116 ° 57 ' 54.10 " W LONG.

ANTENNA ID: STANDARD 3.4 meters GENERAL DYNAMICS Satcom 1344
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: EL NOPAL, WEST HILLS
LOCATION: 10052 North Magnolia Avenue, SANTEE, CA
32 ° 51 ' 39.58 " N LAT. 116 ° 58 ' 18.33 " W LONG.

ANTENNA ID: STANDARD 3.4 meters GENERAL DYNAMICS Satcom 1344
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: CHULA VISTA 3, YSA,
LOCATION: 1590 East H Street, CHULA VISTA, CA
32 ° 38 ' 42.04 " N LAT. 116 ° 59 ' 45.44 " W LONG.

ANTENNA ID: STANDARD 3.4 meters GENERAL DYNAMICS Satcom 1344
 3700.0000 - 4200.0000 MHz 36M0G7W
 SITE ID: DOS PICOS (SP), HIGH
 LOCATION: 527 9th Street, RAMONA, CA
 33 ° 2 ' 24.48 " N LAT. 116 ° 51 ' 55.08 " W LONG.

ANTENNA ID: STANDARD 3.4 meters GENERAL DYNAMICS Satcom 1344
 3700.0000 - 4200.0000 MHz 36M0G7W
 SITE ID: PARADISE HILLS, SWEE
 LOCATION: 8472 Blossom Lane, LEMON GROVE, CA
 32 ° 43 ' 30.68 " N LAT. 117 ° 1 ' 3.05 " W LONG.

ANTENNA ID: STANDARD 3.4 meters GENERAL DYNAMICS Satcom 1344
 3700.0000 - 4200.0000 MHz 36M0G7W
 SITE ID: BARSTOW
 LOCATION: 2571 Barstow Road, BARSTOW, CA
 34 ° 52 ' 26.95 " N LAT. 117 ° 1 ' 18.85 " W LONG.

ANTENNA ID: STANDARD 3.4 meters GENERAL DYNAMICS Satcom 1344
 3700.0000 - 4200.0000 MHz 36M0G7W
 SITE ID: EL NORTE (SP), ESCON
 LOCATION: 1917 East Washington Avenue, ESCONDIDO, CA
 33 ° 8 ' 24.77 " N LAT. 117 ° 3 ' 18.93 " W LONG.

ANTENNA ID: STANDARD 3.4 meters GENERAL DYNAMICS Satcom 1344
 3700.0000 - 4200.0000 MHz 36M0G7W
 SITE ID: YUCAIPA 2, 3, 5 &
 LOCATION: 12776 6th Street, YUCAIPA, CA
 34 ° 1 ' 18.17 " N LAT. 117 ° 3 ' 39.02 " W LONG.

ANTENNA ID: STANDARD 3.4 meters GENERAL DYNAMICS Satcom 1344
 3700.0000 - 4200.0000 MHz 36M0G7W
 SITE ID: BUTTERFIELD STAGE, L
 LOCATION: 32374 Pauba Road, TEMECULA, CA
 33 ° 29 ' 11.39 " N LAT. 117 ° 4 ' 12.04 " W LONG.

ANTENNA ID: STANDARD 3.4 meters GENERAL DYNAMICS Satcom 1344
 3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: DIAMOND VALLEY, FRUI
LOCATION: 425 North Kirby Street, HEMET, CA
33 ° 45 ' 10.87 " N LAT. 116 ° 59 ' 53.63 " W LONG.

ANTENNA ID: STANDARD 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: DISCOVERY HILLS, FEL
LOCATION: 2255 Felicita Road, ESCONDIDO, CA
33 ° 5 ' 32.00 " N LAT. 117 ° 5 ' 9.36 " W LONG.

ANTENNA ID: STANDARD 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: SAN DIEGO 1, 8 &
LOCATION: 4195 Camino Del Rio South, SAN DIEGO, CA
32 ° 46 ' 39.04 " N LAT. 117 ° 6 ' 14.77 " W LONG.

ANTENNA ID: STANDARD 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: PENASQUITOS 1, 2, SC
LOCATION: 12835 Black Mountain Road, SAN DIEGO, CA
32 ° 57 ' 4.96 " N LAT. 117 ° 7 ' 45.96 " W LONG.

ANTENNA ID: STANDARD 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: CRAFTON HILLS YSA, M
LOCATION: 350 S Wabash Ave, REDLANDS, CA
34 ° 2 ' 55.74 " N LAT. 117 ° 8 ' 22.13 " W LONG.

ANTENNA ID: STANDARD 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: CHAPARRAL, LAKE SKIN
LOCATION: 29657 N General Kearny Rd, TEMECULA, CA
33 ° 31 ' 30.57 " N LAT. 117 ° 8 ' 46.64 " W LONG.

ANTENNA ID: STANDARD 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: DEL CERRO &
LOCATION: 6767 51st Street, SAN DIEGO, CA
32 ° 47 ' 41.98 " N LAT. 117 ° 4 ' 58.83 " W LONG.

ANTENNA ID: STANDARD 3.4 meters GENERAL DYNAMICS Satcom 1344
 3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: LAKE ARROWHEAD, RUNN
 LOCATION: 1160 Golden Rule Ln, LAKE ARROWHEAD, CA
 34 ° 16 ' 10.66 " N LAT. 117 ° 10 ' 37.12 " W LONG.

ANTENNA ID: STANDARD 3.4 meters GENERAL DYNAMICS Satcom 1344
 3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: CALIFORNIA OAKS, LAS
 LOCATION: 24820 Las Brisas Road, MURRIETA, CA
 33 ° 34 ' 36.89 " N LAT. 117 ° 10 ' 57.28 " W LONG.

ANTENNA ID: STANDARD 3.4 meters GENERAL DYNAMICS Satcom 1344
 3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: MENIFEE LAKES, PALOM
 LOCATION: 29725 Bradley Road, SUN CITY, CA
 33 ° 41 ' 21.22 " N LAT. 117 ° 11 ' 20.63 " W LONG.

ANTENNA ID: STANDARD 3.4 meters GENERAL DYNAMICS Satcom 1344
 3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: FALLBROOK 1, 2, 3 (S)
 LOCATION: 621 South Stage Coach Ln, FALLBROOK, CA
 33 ° 22 ' 20.31 " N LAT. 117 ° 13 ' 42.13 " W LONG.

ANTENNA ID: STANDARD 3.4 meters GENERAL DYNAMICS Satcom 1344
 3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: LINDA VISTA 1, SAN D
 LOCATION: 4741 Mt Abernathy Avenue, SAN DIEGO, CA
 32 ° 49 ' 46.56 " N LAT. 117 ° 10 ' 14.68 " W LONG.

ANTENNA ID: STANDARD 3.4 meters GENERAL DYNAMICS Satcom 1344
 3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: HIDDEN SPRINGS, MORE
 LOCATION: 23300 Old Lake Drive, MORENO VALLEY, CA
 33 ° 58 ' 7.62 " N LAT. 117 ° 15 ' 22.53 " W LONG.

ANTENNA ID: STANDARD 3.4 meters GENERAL DYNAMICS Satcom 1344
 3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: DESERT KNOLLS, MOJAV
LOCATION: 15500 Tuscola Road, APPLE VALLEY, CA
34 ° 32 ' 0.15 " N LAT. 117 ° 16 ' 9.74 " W LONG.

ANTENNA ID: STANDARD 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: GREEN TREE, HIGH DES
LOCATION: 12100 Ridgcrest Rd, VICTORVILLE, CA
34 ° 28 ' 20.12 " N LAT. 117 ° 16 ' 35.16 " W LONG.

ANTENNA ID: STANDARD 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: WATERMAN
LOCATION: 3860 North Waterman Avenue, SAN BERNARDINO, CA
34 ° 9 ' 40.47 " N LAT. 117 ° 16 ' 45.89 " W LONG.

ANTENNA ID: STANDARD 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: VISTA 5, 10
LOCATION: 1545 South Melrose Drive, VISTA, CA
33 ° 10 ' 3.44 " N LAT. 117 ° 14 ' 55.35 " W LONG.

ANTENNA ID: STANDARD 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: LAKE ELSINORE, ORTEG
LOCATION: 18220 Dexter Avenue, LAKE ELSINORE, CA
33 ° 41 ' 52.74 " N LAT. 117 ° 20 ' 31.88 " W LONG.

ANTENNA ID: STANDARD 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: INLAND EMPIRE (SM),
LOCATION: 1375 North Willow Avenue, RIALTO, CA
34 ° 7 ' 28.56 " N LAT. 117 ° 22 ' 27.91 " W LONG.

ANTENNA ID: STANDARD 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: MISSION (SP), MOUNT
LOCATION: 5900 Grand Ave, RIVERSIDE, CA
33 ° 57 ' 49.08 " N LAT. 117 ° 24 ' 40.18 " W LONG.

ANTENNA ID: STANDARD 3.4 meters GENERAL DYNAMICS Satcom 1344
 3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: ALDER, BASELINE, SUM
 LOCATION: 7526 Alder Avenue, FONTANA, CA
 34 ° 7 ' 1.17 " N LAT. 117 ° 25 ' 7.70 " W LONG.

ANTENNA ID: STANDARD 3.4 meters GENERAL DYNAMICS Satcom 1344

SITE ID: CARLSBAD 1, 3, 4 &
 LOCATION: 1975 Chestnut Avenue, CARLSBAD, CA
 33 ° 9 ' 40.76 " N LAT. 117 ° 19 ' 37.31 " W LONG.

ANTENNA ID: STANDARD 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: CUCAMONGA (TO), SAN
 LOCATION: 6829 Etiwanda Avenue, RANCHO CUCAMONGA, CA
 34 ° 7 ' 47.24 " N LAT. 117 ° 31 ' 23.03 " W LONG.

ANTENNA ID: STANDARD 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: CORONA SA, EL CERRIT
 LOCATION: 1510 Taber St, CORONA, CA
 33 ° 50 ' 27.09 " N LAT. 117 ° 32 ' 8.35 " W LONG.

ANTENNA ID: STANDARD 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: OAK HILLS, PHELAN
 LOCATION: 8889 Sheep Creek Road, PHELAN, CA
 34 ° 24 ' 41.18 " N LAT. 117 ° 34 ' 19.10 " W LONG.

ANTENNA ID: STANDARD 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: CIRCLE CITY, DEL REY
 LOCATION: 1123 S Lincoln Ave, CORONA, CA
 33 ° 52 ' 15.83 " N LAT. 117 ° 35 ' 1.94 " W LONG.

ANTENNA ID: STANDARD 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: ARLINGTON, ARLINGTON
LOCATION: 4375 Jackson Street, RIVERSIDE, CA
33 ° 56 ' 0.95 " N LAT. 117 ° 26 ' 45.80 " W LONG.

ANTENNA ID: STANDARD 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: LIVE OAK CANYON, SAN
LOCATION: 30522 Via Con Dios, RANCHO SANTA MARGARI, CA
33 ° 38 ' 40.58 " N LAT. 117 ° 35 ' 56.70 " W LONG.

ANTENNA ID: STANDARD 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: COVENANT HILLS, MSN
LOCATION: 27976 Marguerite Parkway, MISSION VIEJO, CA
33 ° 34 ' 53.50 " N LAT. 117 ° 37 ' 49.43 " W LONG.

ANTENNA ID: STANDARD 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: FORSTER RANCH, SAN C
LOCATION: 470 Camino San Clemente, SAN CLEMENTE, CA
33 ° 26 ' 27.85 " N LAT. 117 ° 38 ' 11.76 " W LONG.

ANTENNA ID: STANDARD 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: WRIGHTWOOD
LOCATION: 888 Hwy 2, WRIGHTWOOD, CA
34 ° 21 ' 55.37 " N LAT. 117 ° 38 ' 34.40 " W LONG.

ANTENNA ID: STANDARD 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: CRISTIANITOS, LIBERT
LOCATION: 310 Avenida Vista Montana, SAN CLEMENTE, CA
33 ° 26 ' 40.79 " N LAT. 117 ° 35 ' 40.11 " W LONG.

ANTENNA ID: STANDARD 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: UPLAND 1, 2 &
LOCATION: 785 North San Antonio Avenue, UPLAND, CA
34 ° 6 ' 10.39 " N LAT. 117 ° 39 ' 41.14 " W LONG.

ANTENNA ID: STANDARD 3.4 meters GENERAL DYNAMICS Satcom 1344
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: RIDGECREST 1, 4 &
LOCATION: 1031 South Norma Street, RIDGECREST, CA
35 ° 36 ' 16.96 " N LAT. 117 ° 40 ' 46.75 " W LONG.

ANTENNA ID: STANDARD 3.4 meters GENERAL DYNAMICS Satcom 1344
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: CHAFFEY YSA, ONTARIO
LOCATION: 522 West Francis Street, ONTARIO, CA
34 ° 2 ' 29.09 " N LAT. 117 ° 39 ' 26.37 " W LONG.

ANTENNA ID: STANDARD 3.4 meters GENERAL DYNAMICS Satcom 1344
3700.0000 - 4200.0000 MHz 36M0G7W

Points of Communication:

CHAPARRAL, LAKE SKIN - PERMITTED LIST - ()

CHAPARRAL, LAKE SKIN - PERMITTED LIST - ()

JULIAN - PERMITTED LIST - ()

SES-REG-20180928-04608 E E190975 CMSInter.Net LLC
Registration 09/28/2018 - 09/28/2033
Grant of Authority Date Effective: 07/14/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Crystal
LOCATION: 122 W. Lake St., Montcalm, Crystal, MI
43 ° 15 ' 50.17 " N LAT. 84 ° 54 ' 56.77 " W LONG.

ANTENNA ID: ANT1 3.8 meters Patriot 3.8
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Video

Points of Communication:

Crystal - PERMITTED LIST - ()

SES-REG-20181002-04688 E E191055 RZ Radio LLC
Registration 10/02/2018 - 10/02/2033
Grant of Authority Date Effective: 07/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: KAVL

LOCATION: 2501 West Ave. I, Los Angeles, Lancaster, CA
34 ° 42 ' 21.70 " N LAT.

118 ° 10 ' 37.10 " W LONG.

ANTENNA ID: 3.7M 3.7 meters Prodelin 1374

3700.0000 - 4200.0000 MHz 36M0G7W Digital traffic, various FEC, data rates and modulation

3700.0000 - 4200.0000 MHz 30K0G7W Digital traffic, various FEC, data rates and modulation

3700.0000 - 4200.0000 MHz 36M0F3W Digital / analog traffic, various FEC, data rates and modulation

3700.0000 - 4200.0000 MHz 30K0F3W Digital / analog traffic, various FEC, data rates and modulation

Points of Communication:

KAVL - PERMITTED LIST - ()

SES-REG-20181002-04708 E E191074 Stryker Media LLC

Registration

10/02/2018 - 10/02/2033

Grant of Authority

Date Effective: 07/08/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Del Rio TX

LOCATION: 80 Las Palmas, Val Verde, Del Rio, TX
29 ° 20 ' 39.74 " N LAT.

100 ° 51 ' 40.90 " W LONG.

ANTENNA ID: C-Band 1 3.8 meters Patriot PRT-380

3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Digital Video

Points of Communication:

Del Rio TX - GALAXY 19 (S2647) - (97 W.L.)

SES-REG-20181008-06790 E E201986 TDS BROADBAND SERVICE LLC

Registration

10/08/2018 - 10/08/2033

Grant of Authority

Date Effective: 07/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: WDPKCOAQ
LOCATION: 400 N State HWY 67, Woodland Park, CO
38 ° 59 ' 47.99 " N LAT. 105 ° 3 ' 46.84 " W LONG.

ANTENNA ID: 1 4.5 meters unknown unknown

3700.0000 - 4200.0000 MHz

Points of Communication:

WDPKCOAQ - PERMITTED LIST - ()

SES-REG-20181008-06791 E E201987 TDS BROADBAND SERVICE LLC
Registration 10/08/2018 - 10/08/2033
Grant of Authority Date Effective: 07/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: FTCRCOCM
LOCATION: Titus Blvd - Signal Hill; Ft Carson Army, Colorado Springs, CO
38 ° 43 ' 37.44 " N LAT. 104 ° 46 ' 45.63 " W LONG.

ANTENNA ID: 1 4.5 meters unknown unknown

3700.0000 - 4200.0000 MHz 0.00 dBW

Points of Communication:

FTCRCOCM - PERMITTED LIST - ()

SES-REG-20181008-06792 E E201984 TDS BROADBAND SERVICE LLC
Registration 10/08/2018 - 10/08/2033
Grant of Authority Date Effective: 07/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: ESPKCOBN
LOCATION: 405 Stanley Ave, Estes Park, CO
40 ° 22 ' 19.62 " N LAT. 105 ° 30 ' 35.04 " W LONG.

ANTENNA ID: 1 4.5 meters

3700.0000 - 4200.0000 MHz 0.00 dBW

Points of Communication:

ESPKCOBN - PERMITTED LIST - ()

SES-REG-20181008-06793 E E201988 TDS BROADBAND SERVICE LLC
Registration 10/08/2018 - 10/08/2033
Grant of Authority Date Effective: 07/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: FTCCOMH
LOCATION: 1015 N US Highway 287, Fort Collins, CO
40 ° 37 ' 25.48 " N LAT. 105 ° 5 ' 37.01 " W LONG.

ANTENNA ID: 1 4.5 meters unknown unknown
3700.0000 - 4200.0000 MHz 0.00 dBW

Points of Communication:

FTCCOMH - PERMITTED LIST - ()

SES-REG-20181008-06794 E E201982 TDS BROADBAND SERVICE LLC
Registration 10/08/2018 - 10/08/2033
Grant of Authority Date Effective: 07/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: SCRRNMCV
LOCATION: Fire Academy Rd, Socorro, NM
34 ° 3 ' 24.16 " N LAT. 106 ° 54 ' 47.06 " W LONG.

ANTENNA ID: 17 3.7 meters Prodelin 1374
3700.0000 - 4200.0000 MHz 36M0G7W

ANTENNA ID: 18 3.8 meters Patriot PRT-380
3700.0000 - 4200.0000 MHz 36M0G7W

ANTENNA ID: 19 3.8 meters Comtech ant3.8
3700.0000 - 4200.0000 MHz 36M0G7W

ANTENNA ID: 20 3 meters Prodelin 1304
3700.0000 - 4200.0000 MHz 36M0G7W

ANTENNA ID: 21 2.8 meters Scientific Atlanta 9000
3700.0000 - 4200.0000 MHz 36M0G7W

ANTENNA ID: 22 3.2 meters Scientific Atlanta ant3.2

3700.0000 - 4200.0000 MHz 36M0G7W

ANTENNA ID: 23 4.5 meters Prodelin 1451

3700.0000 - 4200.0000 MHz 36M0G7W

Points of Communication:

SCRRNMCV - PERMITTED LIST - ()

SES-REG-20181008-06795 E E201985 TDS BROADBAND SERVICE LLC
Registration 10/08/2018 - 10/08/2033
Grant of Authority Date Effective: 07/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: STGRUTFK
LOCATION: 1223 W 1250 N, St. George, UT
37 ° 7 ' 45.65 " N LAT. 113 ° 36 ' 35.46 " W LONG.

ANTENNA ID: 1 4.5 meters unknown unknown

3700.0000 - 4200.0000 MHz 0.00 dBW

Points of Communication:

STGRUTFK - PERMITTED LIST - ()

SES-REG-20181008-06796 E E201983 TDS BROADBAND SERVICE LLC
Registration 10/08/2018 - 10/08/2033
Grant of Authority Date Effective: 07/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: HBBSNMEV
LOCATION: Lea Cnty Parcel 9833; 2800 E Marland St, Hobbs, NM
32 ° 42 ' 0.65 " N LAT. 103 ° 6 ' 22.50 " W LONG.

ANTENNA ID: 1 4.5 meters

3700.0000 - 4200.0000 MHz 0.00 dBW

Points of Communication:

HBBSNMEV - PERMITTED LIST - ()

SES-REG-20181009-05017 E E191393 Armstrong Utilities, Inc.
Registration 10/09/2018 - 10/09/2033
Grant of Authority Date Effective: 07/08/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

Armstrong Utilities, Inc. request an amendment SES-AMD-20200128-00128 for this pending registration but did not change anything therefore this application is being granted.

SITE ID: 1
LOCATION: 9328 Woodworth Rd, Youngstown, North Lima, OH
40 ° 58 ' 52.00 " N LAT. 80 ° 39 ' 28.00 " W LONG.

ANTENNA ID: 1 3.8 meters Patriot ISO 9001/2000
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181010-05149 E E191530 6 Johnson Road Licenses, Inc.
Registration 10/10/2018 - 10/10/2033
Grant of Authority Date Effective: 07/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Latham NY
LOCATION: 6 Johnson Rd, Albany, Latham, NY
42 ° 45 ' 42.24 " N LAT. 73 ° 44 ' 57.30 " W LONG.

ANTENNA ID: 1 2.8 meters Comtech 2.8meter
3700.0000 - 4200.0000 MHz

Points of Communication:

Latham NY - PERMITTED LIST - ()

SES-REG-20181010-05170 E E191551 Tougaloo College
Registration 10/08/2018 - 10/08/2033
Grant of Authority Date Effective: 07/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: WLOO
LOCATION: One Great Place, Hinds, Jackson, MS
32 ° 16 ' 37.50 " N LAT. 90 ° 17 ' 38.30 " W LONG.

ANTENNA ID:	Sat 14	3.7 meters	DH	DH
	3700.0000 - 4200.0000 MHz		36M0G7W	digital
ANTENNA ID:	Sat 13	4.5 meters	Patriot	PRd 450
	3700.0000 - 4200.0000 MHz		36M0G7W	
ANTENNA ID:	Sat 17	3.7 meters	DH	DH
	3700.0000 - 4200.0000 MHz		36M0G7W	

Points of Communication:

WLOO - GALAXY 14 (S2385) - (125 W.L.)

WLOO - GALAXY 16 (S2687) - (99 W.L.)

WLOO - GALAXY 19 (S2647) - (97 W.L.)

SES-REG-20181011-05995	E	E200688	JOY MEDIA MINISTRIES	
Registration				10/11/2018 - 10/11/2033
Grant of Authority				Date Effective: 07/14/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: KCAM FM
 LOCATION: MILE 187 GLENN HWY, VALDEZ, GLENNALLEN, AK
 62 ° 6 ' 46.82 " N LAT. 145 ° 32 ' 13.38 " W LONG.

ANTENNA ID:	KCAM FM	4.5 meters	Prodelin	1451
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				ALLSAT

Points of Communication:

KCAM FM - PERMITTED LIST - ()

SES-REG-20181012-05452	E	E200157	HS PRODUCTIONS, INC.	
Registration				10/12/2018 - 10/12/2033
Grant of Authority				Date Effective: 07/14/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: sat-1 site
 LOCATION: 5945 Hwy 27, Chattooga, summerville, GA
 34 ° 28 ' 7.00 " N LAT. 85 ° 17 ' 52.00 " W LONG.

ANTENNA ID:	D37F48	3.7 meters	DAWNCO	D37F48
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3700.0000 - 4200.0000 MHz

36M0G7W

0.00 dBW

DIGITAL AUDIO CONTENT WITH
VARYING DATA RATES

Points of Communication:

sat-1 site - PERMITTED LIST - ()

SES-REG-20181012-05462 E E200168 WJFD-FM, Inc.
Registration 10/09/2018 - 10/09/2033
Grant of Authority Date Effective: 07/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 651 Orchard St Suite 300, Bristol, New Bedford, MA
41 ° 36 ' 54.73 " N LAT. 70 ° 55 ' 54.25 " W LONG.

ANTENNA ID: ANT1 3.05 meters Prime Focus TVRO-10

3700.0000 - 4200.0000 MHz

30M0G7W

0.00 dBW

Analog Video with associated subcarriers

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181012-05466 E E200172 Wayne Radio Works LLC
Registration 10/12/2018 - 10/12/2033
Grant of Authority Date Effective: 07/14/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: site1

LOCATION: 85592 574th Avenue, Wayne, NE
42 ° 14 ' 4.00 " N LAT. 97 ° 3 ' 20.00 " W LONG.

ANTENNA ID: unknown

3700.0000 - 4200.0000 MHz

36M0G7W

Points of Communication:

site1 - PERMITTED LIST - ()

SES-REG-20181012-05560 E E200263 BRYAN MUNICIPAL UTILITIES
Registration 10/12/2018 - 10/12/2033
Grant of Authority Date Effective: 07/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Bryan Municipal Util
LOCATION: 841 E Edgerton St, Williams, Bryan, OH
41 ° 28 ' 51.20 " N LAT. 84 ° 32 ' 18.80 " W LONG.

ANTENNA ID: 3.8 M 3.8 meters Prodelin 1385
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Video

Points of Communication:

Bryan Municipal Util - PERMITTED LIST - ()

SES-REG-20181012-05565 E E200268 Big Broadcasting, Inc.
Registration 10/12/2018 - 10/12/2033
Grant of Authority Date Effective: 07/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: KOKORoof1
LOCATION: 2775 E. Shaw Ave, Fresno, Fresno, CA
36 ° 48 ' 27.02 " N LAT. 119 ° 44 ' 11.65 " W LONG.

ANTENNA ID: KOKODish1 3.7 meters PRODELIN GENERAL DYNAMICS 1374
3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Analog Video with associated subcarriers

Points of Communication:

KOKORoof1 - PERMITTED LIST - ()

SES-REG-20181012-05570 E E200273 The Chickasaw Nation
Registration 10/12/2018 - 10/12/2033
Grant of Authority Date Effective: 07/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: KADA
LOCATION: 1019 N. Broadway Ave, Pontotoc, Ada, OK
34 ° 47 ' 5.00 " N LAT. 96 ° 40 ' 44.00 " W LONG.

ANTENNA ID: Ant 1 3.74 meters Prodelin 1374.990
3700.0000 - 4200.0000 MHz 36M0G7W Digital Audio Signals

Points of Communication:

KADA - PERMITTED LIST - ()

SES-REG-20181012-05574 E E200277 Keith Douglas Learn (d/b/a KLPZ Radio)
Registration 10/12/2018 - 10/12/2033
Grant of Authority Date Effective: 07/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: KLPZ
LOCATION: 815 6TH STREET, PARKER, AZ
34 ° 9 ' 17.90 " N LAT. 114 ° 17 ' 27.40 " W LONG.

ANTENNA ID: 1 3 meters unknown unknown
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW DIGITAL AUDIO

ANTENNA ID: 2 2.8 meters Scientific Atlanta 9000
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW DIGITAL AUDIO

Points of Communication:

KLPZ - PERMITTED LIST - ()

SES-REG-20181012-05579 E E200282 Nebraska Educational Telecommunications Commission
Registration 10/12/2018 - 10/12/2033
Grant of Authority Date Effective: 07/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: DH 2.13AGL
LOCATION: 1800 N 33rd St., Lancaster, Lincoln, NE
40 ° 49 ' 52.80 " N LAT. 96 ° 40 ' 17.10 " W LONG.

ANTENNA ID: DH 2.13AGL 3.7 meters DH Satellite 37DH1
3700.0000 - 4200.0000 MHz 36M0G7W Digital Data, Audio or Video

Points of Communication:

DH 2.13AGL - PERMITTED LIST - ()

SES-REG-20181012-05589 E E200291 Corn Belt Telephone Company
Registration 10/11/2018 - 10/11/2033
Grant of Authority Date Effective: 07/14/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: CATV Headend
 LOCATION: Complex Dr, IA, Wall Lake, IA
 42 ° 16 ' 22.90 " N LAT. 95 ° 6 ' 0.30 " W LONG.

ANTENNA ID:	A	4.5 meters	SCIENTIFIC ATLANTA	UNKNOWN
	3700.0000 - 4200.0000 MHz		36M0G7W	VIDEO
ANTENNA ID:	B1	3.7 meters	SCIENTIFIC ATLANTA	UNKNOWN
	3700.0000 - 4200.0000 MHz		36M0G7W	VIDEO
ANTENNA ID:	B2	3.7 meters	SCIENTIFIC ATLANTA	UNKNOWN
	3700.0000 - 4200.0000 MHz		36M0G7W	VIDEO
ANTENNA ID:	C1	3.7 meters	PRODELIN	SERIES 1374
	3700.0000 - 4200.0000 MHz		36M0G7W	VIDEO
ANTENNA ID:	C2	3.7 meters	PRODELIN	SERIES 1374
	3700.0000 - 4200.0000 MHz		36M0G7W	VIDEO
ANTENNA ID:	D	3.7 meters	UNKOWN	UNKNOWN
	3700.0000 - 4200.0000 MHz		36M0G7W	VIDEO
ANTENNA ID:	E	3 meters	WINEGUARD	UNKNOWN
	3700.0000 - 4200.0000 MHz		36M0G7W	VIDEO

Points of Communication:

CATV Headend - PERMITTED LIST - ()

SES-REG-20181012-05594 E E200297 Digital Syndicate Network, L.L.C.
 Registration 10/12/2018 - 10/12/2033
 Grant of Authority Date Effective: 07/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: KDKT(AM) Tower
 LOCATION: County Road 21, Mercer, Beulah, ND
 47 ° 17 ' 25.23 " N LAT. 101 ° 45 ' 48.83 " W LONG.

ANTENNA ID:	DSN-1	3 meters	DH Satellite	30DH1
	3700.0000 - 4200.0000 MHz			

Points of Communication:

KDKT(AM) Tower - PERMITTED LIST - ()

SES-REG-20181015-05830 E E200520 COMMUNITY ANTENNA SYSTEM INC
Registration 10/15/2018 - 10/15/2033
Grant of Authority Date Effective: 07/08/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 301 Western Ave., Juneau, Elroy, WI
43 ° 44 ' 20.50 " N LAT. 90 ° 16 ' 33.70 " W LONG.

ANTENNA ID:	E3	4.6 meters	DH	DH4.6	
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW	video
ANTENNA ID:	E1	4.6 meters	DH	DH4.6	
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW	video
ANTENNA ID:	E2	4.6 meters	DH	DH4.6	
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW	video
ANTENNA ID:	E4	4.6 meters	DH	DH4.6	
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW	video
ANTENNA ID:	E5	3.8 meters	DH	DH3.8	
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW	video
ANTENNA ID:	E6	3.8 meters	DH	DH3.8	
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW	video

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181015-05970 E E200664 Kings Bay Communications, Inc
Registration 10/15/2018 - 10/15/2033
Grant of Authority Date Effective: 07/14/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Kings Bay Comm
LOCATION: 220 East King Ave, Camden, Kingsland, GA
30 ° 47 ' 59.50 " N LAT. 81 ° 41 ' 17.30 " W LONG.

ANTENNA ID:	001	3.8 meters	Patriot	3.8m Commercial Ante
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				Video

Points of Communication:

Kings Bay Comm - PERMITTED LIST - ()

SES-REG-20181015-06101	E	E200791	Radio Plus Bay Cities LLC	10/15/2018 - 10/15/2033	
Registration				Date Effective:	07/13/2020
Grant of Authority					

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: WLST
LOCATION: 844 Pierce Ave, Marinette, MI
45 ° 5 ' 47.57 " N LAT. 87 ° 37 ' 45.34 " W LONG.

ANTENNA ID:	WLST	3.7 meters	DAWNCO	D37F48-4PC-5.5
	3700.0000 - 4200.0000 MHz		36M0F8F	0.00 dBW

Points of Communication:

WLST - PERMITTED LIST - ()

SES-REG-20181015-06103	E	E200793	KRFE Radio, Inc.	10/15/2018 - 10/15/2033	
Registration				Date Effective:	07/13/2020
Grant of Authority					

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Site 1
LOCATION: 6602 Martin L. King Blvd., Lubbock, Lubbock, TX
33 ° 32 ' 2.31 " N LAT. 101 ° 49 ' 7.90 " W LONG.

ANTENNA ID:	Ant 1	3.7 meters	PRODELIN	1374
	3700.0000 - 4200.0000 MHz		30M0G7W	0.00 dBW

Points of Communication:

Site 1 - PERMITTED LIST - ()

SES-REG-20181016-05712	E	E200401	NTS Communications, LLC d/b/a Vexus	10/16/2018 - 10/16/2033	
Registration				Date Effective:	07/08/2020
Grant of Authority					

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 8902 Alcove Ave., Lubbock, Wolfforth, TX
33 ° 30 ' 49.70 " N LAT.

101 ° 59 ' 31.90 " W LONG.

ANTENNA ID: 1 5 meters ATCI Simulsat 5

3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Modulation and Services Digital Video

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181016-05715 E E200404 KSTP-TV, LLC

Registration

10/16/2018 - 10/16/2033

Grant of Authority

Date Effective: 07/08/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: KSTP-TV, LLC

LOCATION: 3415 UNIVERSITY AVENUE, WEST, RAMSEY, ST. PAUL, MN
44 ° 58 ' 8.10 " N LAT.

93 ° 12 ' 24.67 " W LONG.

ANTENNA ID: KSTP-TV 4.5 meters DH 45DH1

3700.0000 - 4200.0000 MHz 36 M0G7F 0.00 dBW COMPRESSED DIGITAL VIDEO

Points of Communication:

KSTP-TV, LLC - PERMITTED LIST - ()

SES-REG-20181016-05727 E E200416 Free Fire Media Inc.

Registration

10/15/2018 - 10/15/2033

Grant of Authority

Date Effective: 07/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 4301 Eastside Rd, Shasta, Redding, CA
40 ° 33 ' 8.50 " N LAT.

122 ° 23 ' 5.92 " W LONG.

ANTENNA ID: 1 4.5 meters

3700.0000 - 4200.0000 MHz

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181016-05728 E E200417 Kodiak Island Broadcasting Co., Inc.
Registration 10/15/2018 - 10/15/2033
Grant of Authority Date Effective: 07/08/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 1315 MILL BAY RD Kodiak, AK, US, KODIAK, AK
57 ° 47 ' 53.40 " N LAT. 152 ° 23 ' 21.20 " W LONG.

ANTENNA ID: 1 3 meters Cosmos 10 FT
3700.0000 - 4200.0000 MHz 36M0G7W Digital Audio and Video Services

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181016-05731 E E200420 Dreamcatcher Communications Inc.
Registration 10/16/2018 - 10/16/2033
Grant of Authority Date Effective: 07/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: SITE 1
LOCATION: 334 Recreation Park Road, Fleming, Flemingsburg, KY
38 ° 26 ' 59.76 " N LAT. 83 ° 44 ' 7.29 " W LONG.

ANTENNA ID: 1 4.5 meters
3700.0000 - 4200.0000 MHz

Points of Communication:

SITE 1 - PERMITTED LIST - ()

SES-REG-20181016-05883 E E200573 S & K TV Systems, Inc.
Registration 10/16/2018 - 10/16/2033
Grant of Authority Date Effective: 07/08/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Holcombe
LOCATION: 27468 266 ST, Chippewa, Holcombe, WI
45 ° 14 ' 26.90 " N LAT. 91 ° 8 ' 27.65 " W LONG.

ANTENNA ID: 1 2.4 meters Chanel Master 6336

3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	Modulation and Services Digital Video
ANTENNA ID: 2	3.7 meters	VIKING	P370FAE
3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	Modulation and Services Digital Video
ANTENNA ID: 3	3 meters	Channel Master	6346
3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	Modulation and Services Digital Video
ANTENNA ID: 4	3 meters	na	na
3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	Modulation and Services Digital Video

Points of Communication:

Holcombe - PERMITTED LIST - ()

SES-REG-20181016-06149	E E200837	Commonwealth Public Broadcasting Corporation	
Registration			10/16/2018 - 10/16/2033
Grant of Authority			Date Effective: 07/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: WCNV Earth Station
LOCATION: 4016 Dodlyt Road, Northumberland, Heathsville, VA
37 ° 54 ' 22.50 " N LAT. 76 ° 29 ' 7.80 " W LONG.

ANTENNA ID: 3.8M	3.8 meters	Prodelin	1374
3700.0000 - 4200.0000 MHz	36M0G7W		DVB-S QPSK

Points of Communication:

WCNV Earth Station - GALAXY 16 (S2687) - (99 W.L.)

SES-REG-20181016-06150	E E200838	COVENANT NETWORK	
Registration			10/16/2018 - 10/16/2033
Grant of Authority			Date Effective: 07/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: WGMR Xmit Site
LOCATION: 410 S. Willow Street, Effingham, Effingham, IL
39 ° 7 ' 5.60 " N LAT. 88 ° 32 ' 4.90 " W LONG.

ANTENNA ID: ANT1	3 meters	Unimesh	Unknown
3700.0000 - 4200.0000 MHz	36M0G7W		Digital and Analog Video with associated audio subcarriers

Points of Communication:

WGMR Xmit Site - PERMITTED LIST - ()

SES-REG-20181016-06151 E E200839 The Board of Trustees of the Univ of AL for Univ of Alabama at Birmingham
Registration 10/16/2018 - 10/16/2033
Grant of Authority Date Effective: 07/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: ANT 1
LOCATION: 7440 Waterloo Road, Colbert, Russellville, AL
34 ° 34 ' 40.00 " N LAT. 87 ° 47 ' 1.30 " W LONG.

ANTENNA ID: ANT 1 3.8 meters COMTECH 3.8M
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW

Points of Communication:

ANT 1 - PERMITTED LIST - ()

SES-REG-20181016-06152 E E200840 Gregory Coogle
Registration 10/16/2018 - 10/16/2033
Grant of Authority Date Effective: 07/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Site 1
LOCATION: 492 NW 162nd Ave, USA, Pembroke Pines, FL
25 ° 53 ' 29.90 " N LAT. 80 ° 19 ' 47.50 " W LONG.

ANTENNA ID: ANTI 3.05 meters RCA - Radio Company of America TVRO-3.05
3700.0000 - 4200.0000 MHz 36M0G7W

Points of Communication:

Site 1 - PERMITTED LIST - ()

SES-REG-20181016-06155 E E200843 Gene Munari (d/b/a Reading, Writing, Arithmetic)
Registration 10/16/2018 - 10/16/2033
Grant of Authority Date Effective: 07/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Site 1
LOCATION: 6455 Dean Martin Drive Suite L, Clark, Las Vegas, NV
36 ° 4 ' 19.00 " N LAT. 115 ° 10 ' 55.00 " W LONG.

ANTENNA ID: Ant1 3.7 meters Dawnco D37F48-4PC-5.5
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW digital audio

Points of Communication:

Site 1 - PERMITTED LIST - ()

SES-REG-20181016-06266 E E200935 SCOTTSBORO BROADCASTING CO., INC
Registration 10/16/2018 - 10/16/2033
Grant of Authority Date Effective: 07/11/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: WWIC Receiver
LOCATION: P.O. Box 759 (815 West Willow Street) P.O. Box 759 (815 West Willow Street), Jackson, Scottsboro, AL
34 ° 40 ' 23.00 " N LAT. 86 ° 3 ' 11.00 " W LONG.

ANTENNA ID: WWIC-1 3 meters Clear Channel Satellite Services Not Available
3200.0000 - 4400.0000 MHz 30M0G7W 0.00 dBW AUDIO ONLY

Points of Communication:

WWIC Receiver - PERMITTED LIST - ()

SES-REG-20181016-06302 E E200968 Dana Communications Corporation
Registration 10/16/2018 - 10/16/2033
Grant of Authority Date Effective: 07/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: WQRL Studio
LOCATION: 303 North Main Street, Franklin, Benton IL, IL
37 ° 59 ' 58.02 " N LAT. 88 ° 55 ' 15.09 " W LONG.

ANTENNA ID: ANT1 3.7 meters Channel Master 12ft
3700.0000 - 4200.0000 MHz 36M0G7W QPSK modulation, digital audio and video data

Points of Communication:

WQRL Studio - PERMITTED LIST - ()

SES-REG-20181016-06359 E E201018 Eatel Video, L.L.C.
Registration 10/16/2018 - 10/16/2033
Grant of Authority Date Effective: 07/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Dutchtown
LOCATION: 14067 Hwy. 73 Prairieville, USA, Gonzales, LA
30 ° 16 ' 22.60 " N LAT. 90 ° 59 ' 4.50 " W LONG.

ANTENNA ID:	SA45	4.5 meters	Viasat Satellite Networks	8345PF	
	3700.0000 - 4200.0000 MHz		30m0g7w	0.00 dBW	digital video
	11700.0000 - 21200.0000 MHz		36m0f8f	0.00 dBW	analog video with associated subcarriers
	11700.0000 - 21200.0000 MHz		30m0g7w	0.00 dBW	digital video
	3700.0000 - 4200.0000 MHz		36m0f8f	0.00 dBW	analog video with associated subcarriers

ANTENNA ID:	SA37	3.7 meters	Viasat Satellite Networks	9037	
	3700.0000 - 4200.0000 MHz		36m0f8f	0.00 dBW	analog video with associated subcarriers
	3700.0000 - 4200.0000 MHz		30m0g7w	0.00 dBW	digital video
	11700.0000 - 21200.0000 MHz		30m0g7w	0.00 dBW	digital video
	11700.0000 - 21200.0000 MHz		36m0f8f	0.00 dBW	analog video with associated subcarriers

Points of Communication:

Dutchtown - PERMITTED LIST - ()

SES-REG-20181016-06365 E E201022 Louisiana Television Broadcasting, LLC
Registration 10/16/2018 - 10/16/2033
Grant of Authority Date Effective: 07/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Site 1
LOCATION: 1650 Highland Road, East Baton Rouge, Baton Rouge, LA
30 ° 25 ' 56.70 " N LAT. 91 ° 11 ' 7.40 " W LONG.

ANTENNA ID:	ABC-PRI	7.3 meters	Andrew	7.3 M
	3700.0000 - 4200.0000 MHz		36M0G7W	digital
ANTENNA ID:	ABC-SEC1	4.5 meters	Andrew	4.5 M

3700.0000 - 4200.0000 MHz		36M0G7W		digital
ANTENNA ID:	ABC-SEC	4.5 meters	Andrew	4.5
3700.0000 - 4200.0000 MHz		36M0G7W		digital
ANTENNA ID:	DH	5 meters	DH Satellite	5.0 M
3700.0000 - 4200.0000 MHz		36M0G7W		digital
ANTENNA ID:	SYN	5 meters	Comtek	5 M
3700.0000 - 4200.0000 MHz		36M0G7W		digital
ANTENNA ID:	SA	5 meters	Scientific Atlanta	5 M
3700.0000 - 4200.0000 MHz		36M0G7W		digital
ANTENNA ID:	SYN 2	4.5 meters	Patriot	4.5
3700.0000 - 4200.0000 MHz		36M0G7W		digital
ANTENNA ID:	SYN-3	4.5 meters	TBDSYN3	4.5 M
3700.0000 - 4200.0000 MHz		36M0G7W		digital
ANTENNA ID:	SYN-4	4.5 meters	TBDSYN4	4.5 M
3700.0000 - 4200.0000 MHz		36M0G7W		digital

Points of Communication:

Site 1 - PERMITTED LIST - ()

SES-REG-20181016-06367	E	E201023	NTS Communications, LLC d/b/a Vexus	
Registration				10/16/2018 - 10/16/2033
Grant of Authority				Date Effective: 07/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Levelland
LOCATION: 1340 West Ellis Street, Hockley, Levelland, TX
33 ° 36 ' 6.49 " N LAT. 102 ° 23 ' 3.59 " W LONG.

ANTENNA ID:	Level1-2	5 meters	n.a	n.a
3700.0000 - 4200.0000 MHz		30M0G7W	0.00 dBW	Modulation and Services Digital Video
ANTENNA ID:	Level3-5	3.8 meters	n.a	n.a

3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Modulation and Services Digital video

ANTENNA ID: Level6 2.5 meters n.a n.a

3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Modulation and Services Digital video

Points of Communication:

Levelland - PERMITTED LIST - ()

SES-REG-20181016-06405 E E201050 Center Broadcasting Company, Inc. 10/16/2018 - 10/16/2033
Registration
Grant of Authority Date Effective: 07/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Main Studio
LOCATION: 307 San Augustine St., Shelby, Center, TX
 31 ° 47 ' 31.87 " N LAT. 94 ° 10 ' 54.78 " W LONG.

ANTENNA ID: ANT-1 4.5 meters American Antennas, Inc. TVRO-4.5
3700.0000 - 4200.0000 MHz 30m0g7w Digital Audio

Points of Communication:

Main Studio - PERMITTED LIST - ()

SES-REG-20181016-06407 E E201052 Gerald W Hunt (d/b/a WDXI) 10/16/2018 - 10/16/2033
Registration
Grant of Authority Date Effective: 07/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: WDXI
LOCATION: 1 WDXI Drive Jackson, Tn, Madison, Jackson, TN
 35 ° 39 ' 53.00 " N LAT. 88 ° 49 ' 23.00 " W LONG.

ANTENNA ID: 1 3 meters
3700.0000 - 4200.0000 MHz

Points of Communication:

WDXI - PERMITTED LIST - ()

SES-REG-20181016-06464 E E201107 NTS Communications, LLC d/b/a Vexus
Registration 10/16/2018 - 10/16/2033
Grant of Authority Date Effective: 07/14/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Brownfield
LOCATION: 1207 North Cedar Street, Terry, Brownfield, TX
33 ° 11 ' 28.88 " N LAT. 102 ° 15 ' 25.70 " W LONG.

ANTENNA ID: Brown1-8 3.8 meters Patriot Patriot
3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Modulation and Services Digital Video

Points of Communication:

Brownfield - PERMITTED LIST - ()

SES-REG-20181017-03705 E E190072 Global Eagle Telecom Licensing Subsidiary LLC
Registration 10/11/2018 - 10/11/2033
Grant of Authority Date Effective: 07/10/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: ABR
LOCATION: 824 Brown County 14 South, Brown, Aberdeen, SD
45 ° 27 ' 19.50 " N LAT. 98 ° 24 ' 50.00 " W LONG.

ANTENNA ID: ABR3.8 3.8 meters Comtech 934D0015-G2
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Data

SITE ID: ABQ
LOCATION: 2341 Clark Carr Loop, SE, Bernalillo, Albuquerque, NM
35 ° 2 ' 15.36 " N LAT. 106 ° 37 ' 19.20 " W LONG.

ANTENNA ID: ABQ 3.8 3.8 meters Comtech 934D0015-G2
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Data

SITE ID: AFG
LOCATION: 2160 Koykuk Dr, Fairbanks North Star, Fairbanks, AK
64 ° 51 ' 33.48 " N LAT. 147 ° 51 ' 3.24 " W LONG.

ANTENNA ID: AFG 7.3 7.3 meters Andrew ESC72
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Data

SITE ID: AJK
LOCATION: 8500 Mendenhall Loop Road, Juneau, Juneau, AK
58 ° 24 ' 1.44 " N LAT. 134 ° 34 ' 10.92 " W LONG.

ANTENNA ID: AJK 7.3 7.3 meters Andrew ESC72
3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: AKQ
LOCATION: 10009 General Mahone Highway, Sussex, WakeField, VA
36 ° 59 ' 1.32 " N LAT. 77 ° 0 ' 27.36 " W LONG.

ANTENNA ID: AKQ 3.8 3.8 meters Comtech 934D0015-G2
3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: ALY
LOCATION: 251 Fuller Road, Albany, Albany, NY
42 ° 41 ' 30.48 " N LAT. 73 ° 49 ' 52.32 " W LONG.

ANTENNA ID: ALY 3.8 3.8 meters Comtech 934D0015-G2
3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: AMA
LOCATION: 1900 English Road, Potter, Amarillo, TX
35 ° 13 ' 57.00 " N LAT. 101 ° 42 ' 31.32 " W LONG.

ANTENNA ID: AMA 3.8 3.8 meters Comtech 934D0015-G2
3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: AFC
LOCATION: 6930 Sand Lake Rd., Anchorage, Anchorage, AK
61 ° 9 ' 24.84 " N LAT. 149 ° 59 ' 9.60 " W LONG.

ANTENNA ID: AFC 7.3 7.3 meters Andrew ESC72
3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: APX
LOCATION: 8800 Passenheim Rd., Otsego, Gaylord, MI
44 ° 54 ' 25.92 " N LAT. 84 ° 43 ' 9.12 " W LONG.

ANTENNA ID: APX 3.8 3.8 meters Comtech 934D0015-G2
3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: ARX
LOCATION: N 2788 County Road FA, La Crosse, La Crosse, WI
43 ° 49 ' 20.28 " N LAT. 91 ° 11 ' 29.04 " W LONG.

ANTENNA ID: ARX 3.8 3.8 meters Comtech 934D0015-G2
 3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: AWCN
 LOCATION: 7220 N.W. 101st Terrace, Platte, Kansas City, MO
 39 ° 16 ' 40.08 " N LAT. 94 ° 39 ' 43.92 " W LONG.

ANTENNA ID: AWCN 3.8 3.8 meters Comtech 934D0015-G2
 3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: BGM
 LOCATION: 32 Dawes Drive, Broome, Johnson City, NY
 42 ° 12 ' 41.04 " N LAT. 75 ° 59 ' 7.44 " W LONG.

ANTENNA ID: BGM 3.8 3.8 meters Comtech 934D0015-G2
 3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: BIS
 LOCATION: 2301 University Drive #27, Burleigh, Bismarck, ND
 46 ° 46 ' 18.48 " N LAT. 100 ° 45 ' 34.92 " W LONG.

ANTENNA ID: BIS 3.8 3.8 meters Comtech 934D0015-G2
 3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: ANCF
 LOCATION: 1325 East-West Hwy., Montgomery, Silver Spring, MD
 38 ° 59 ' 34.80 " N LAT. 77 ° 1 ' 51.24 " W LONG.

ANTENNA ID: ANCF 3.7 3.7 meters Prodelin 1375-RXO
 3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: BMX
 LOCATION: 465 Weathervane Road, Shelby, Calera, AL
 33 ° 10 ' 44.76 " N LAT. 86 ° 46 ' 56.64 " W LONG.

ANTENNA ID: BMX 3.8 3.8 meters Comtech 934D0015-G2
 3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: BOI
 LOCATION: 3833 S. Development Avenue, Ada, Boise, ID
 43 ° 34 ' 3.36 " N LAT. 116 ° 12 ' 40.68 " W LONG.

ANTENNA ID: BOI 3.8 3.8 meters Comtech 934D0015-G2
 3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: BOU
LOCATION: 325 Broadway Road, Boulder, Boulder, CO
39 ° 59 ' 26.16 " N LAT. 105 ° 15 ' 50.40 " W LONG.

ANTENNA ID: BOU 3.7 3.7 meters Prodelin 1375-RXO
3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: BOX
LOCATION: 445 Miles Standish Blvd., Bristol, Norton, MA
41 ° 57 ' 19.08 " N LAT. 71 ° 8 ' 0.96 " W LONG.

ANTENNA ID: BOX 3.7 3.7 meters General Dynamics 1374-1375
3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: BRO
LOCATION: 20 South Vermillion Ave, Cameron, Brownsville, TX
25 ° 54 ' 58.32 " N LAT. 97 ° 25 ' 9.48 " W LONG.

ANTENNA ID: BRO 4.5 4.5 meters Andrew ES45C
3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: BLV
LOCATION: 102 West Losey Street, St. Clair, Belleville, IL
38 ° 32 ' 36.60 " N LAT. 89 ° 51 ' 59.40 " W LONG.

ANTENNA ID: BLV 3.7 3.7 meters Prodelin 1374
3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: BUF
LOCATION: 587 Aero Drive, Erie, Cheektowaga, NY
42 ° 56 ' 27.40 " N LAT. 78 ° 43 ' 10.50 " W LONG.

ANTENNA ID: BUF 3.8 3.8 meters Comtech 934D0015-G2
3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: BYZ
LOCATION: 2170 Overland Ave., Yellowstone, Billings, MT
45 ° 45 ' 0.36 " N LAT. 108 ° 34 ' 10.92 " W LONG.

ANTENNA ID: BYZ 3.8 3.8 meters Comtech 934D0015-G2
3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: CAE
LOCATION: 2909 Aviation Way, Lexington, West Columbia, SC
33 ° 56 ' 44.52 " N LAT. 81 ° 7 ' 21.00 " W LONG.

ANTENNA ID:	CAE 3.8	3.8 meters	Comtech	934D0015-G2
	3700.0000 - 4200.0000 MHz		36MOG7W	0.00 dBW
				Digital Data
SITE ID:	CAR			
LOCATION:	810 Main St., Richland, Caribou, ME			
	46 ° 52 ' 5.20 " N LAT.			68 ° 0 ' 47.52 " W LONG.
ANTENNA ID:	CAR 4.5	4.5 meters	Andrew	ES45C
	3700.0000 - 4200.0000 MHz		36MOG7W	0.00 dBW
				Digital Data
SITE ID:	CHS			
LOCATION:	5777 South Aviation Avenue, Charleston, Charleston, SC			
	32 ° 53 ' 42.00 " N LAT.			80 ° 1 ' 39.72 " W LONG.
ANTENNA ID:	CHS 3.8	3.8 meters	Comtech	934D0015-G2
	3700.0000 - 4200.0000 MHz		36MOG7W	0.00 dBW
				Digital Data
SITE ID:	BTV			
LOCATION:	1200 Airport Drive, Chittenden, South Burlington, VT			
	44 ° 28 ' 24.24 " N LAT.			73 ° 8 ' 47.40 " W LONG.
ANTENNA ID:	BTV 3.8	3.8 meters	Comtech	934D0015-G2
	3700.0000 - 4200.0000 MHz		36MOG7W	0.00 dBW
				Digital Data
SITE ID:	COMT			
LOCATION:	3090 Center Green Drive, Boulder, Boulder, CO			
	39 ° 59 ' 26.16 " N LAT.			105 ° 15 ' 50.40 " W LONG.
ANTENNA ID:	COMT 3.8	3.8 meters	Comtech	934D0015-G2
	3700.0000 - 4200.0000 MHz		36MOG7W	0.00 dBW
				Digital Data
SITE ID:	CRP			
LOCATION:	426 Pinson Drive, Nueces, Corpus Christi, TX			
	27 ° 46 ' 44.04 " N LAT.			97 ° 30 ' 20.16 " W LONG.
ANTENNA ID:	CRP 4.5	4.5 meters	Andrew	ES45C
	3700.0000 - 4200.0000 MHz		36MOG7W	0.00 dBW
				Digital Data
SITE ID:	CTP			
LOCATION:	328 Innovation Boulevard, Centre, State Collage, AK			
	40 ° 49 ' 43.68 " N LAT.			77 ° 50 ' 48.84 " W LONG.
ANTENNA ID:	CTP 3.8	3.8 meters	Comtech	934D0015-G2
	3700.0000 - 4200.0000 MHz		36MOG7W	0.00 dBW
				Digital Data

SITE ID: CYS
LOCATION: 1301 Airport Parkway, Laramie, Cheyenne, WY
41 ° 9 ' 5.76 " N LAT. 104 ° 48 ' 20.52 " W LONG.

ANTENNA ID: CYS 3.8 3.8 meters Comtech 934D0015-G2
3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: DDC
LOCATION: 104 Airport Road, Ford, Dodge City, KS
37 ° 45 ' 38.88 " N LAT. 99 ° 58 ' 8.40 " W LONG.

ANTENNA ID: DDC 3.7 3.7 meters Prodelin 1375-RXO
3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: CLE
LOCATION: 5301 W Hangar Rd, Cuyahoga, Cleveland, OH
41 ° 24 ' 42.48 " N LAT. 81 ° 51 ' 37.08 " W LONG.

ANTENNA ID: CLE 3.7 3.7 meters General Dynamics 1374-1375
3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: DMX
LOCATION: 9607 NW Beaver Drive, Polk, Johnston, IA
41 ° 44 ' 11.04 " N LAT. 93 ° 43 ' 25.32 " W LONG.

ANTENNA ID: DMX 3.8 3.8 meters Comtech 934D0015-G2
3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: DTX
LOCATION: 9200 White Lake Road, Oakland, White Lake, MI
42 ° 41 ' 52.44 " N LAT. 83 ° 28 ' 17.76 " W LONG.

ANTENNA ID: DTX 3.8 3.8 meters Comtech 934D0015-G2
3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: DVN
LOCATION: 9040 Harrison Street, Scott, Davenport, IA
41 ° 36 ' 42.12 " N LAT. 90 ° 34 ' 54.84 " W LONG.

ANTENNA ID: DVN 3.8 3.8 meters Comtech 934D0015-G2
3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: EAX
LOCATION: 1803 North 7 Highway, Cass, Pleasant Hill, MO
38 ° 48 ' 36.36 " N LAT. 94 ° 15 ' 52.56 " W LONG.

ANTENNA ID:	EAX 3.7	3.7 meters	Prodelin	1375-RXO
	3700.0000 - 4200.0000 MHz		36MOG7W	0.00 dBW
				Digital Data
SITE ID:	EHU			
LOCATION:	819 Taylor St., Tarrant, Fort Worth, TX			
	32 ° 45 ' 1.80 " N LAT.			97 ° 19 ' 52.32 " W LONG.
ANTENNA ID:	EHU 3.8	3.8 meters	Comtech	934D0015-G2
	3700.0000 - 4200.0000 MHz		36MOG7W	0.00 dBW
				Digital Data
SITE ID:	DLH			
LOCATION:	5027 Miller Trunk Highway, St. Louis, Duluth, MN			
	46 ° 50 ' 14.28 " N LAT.			92 ° 12 ' 37.08 " W LONG.
ANTENNA ID:	DLH 3.8	3.8 meters	Comtech	934D0015-G2
	3700.0000 - 4200.0000 MHz		36MOG7W	0.00 dBW
				Digital Data
SITE ID:	EPZ			
LOCATION:	7955 Airport Road, Do, Santa Teresa, NM			
	31 ° 52 ' 22.08 " N LAT.			106 ° 41 ' 51.74 " W LONG.
ANTENNA ID:	EPZ 3.8	3.8 meters	Comtech	934D0015-G2
	3700.0000 - 4200.0000 MHz		36MOG7W	0.00 dBW
				Digital Data
SITE ID:	EWX			
LOCATION:	2090 Airport Road, Guadalupe, New Braunfels, TX			
	29 ° 42 ' 15.48 " N LAT.			98 ° 1 ' 44.76 " W LONG.
ANTENNA ID:	EWX 4.5	4.5 meters	Andrew	ES45C
	3700.0000 - 4200.0000 MHz		36MOG7W	0.00 dBW
				Digital Data
SITE ID:	FFC			
LOCATION:	4 Falcon Drive, Fayette, Peachtree City, GA			
	33 ° 21 ' 36.70 " N LAT.			84 ° 34 ' 3.60 " W LONG.
ANTENNA ID:	FFC 3.8	3.8 meters	Comtech	934D0015-G2
	3700.0000 - 4200.0000 MHz		36MOG7W	0.00 dBW
				Digital Data
SITE ID:	FGF			
LOCATION:	4797 Technology Circle, Grand Forks, Grand Forks, ND			
	47 ° 55 ' 17.76 " N LAT.			97 ° 5 ' 52.08 " W LONG.
ANTENNA ID:	FGF 3.8	3.8 meters	Comtech	934D0015-G2
	3700.0000 - 4200.0000 MHz		36MOG7W	0.00 dBW
				Digital Data

SITE ID: FGZ
LOCATION: 49 Hughes Ave, Coconino, Bellemont, AZ
35 ° 13 ' 48.36 " N LAT. 111 ° 49 ' 19.92 " W LONG.

ANTENNA ID: FGZ 3.8 3.8 meters Comtech 934D0015-G2
3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: EKA
LOCATION: 300 Startare Drive, Humboldt, Eureka, CA
40 ° 48 ' 36.00 " N LAT. 124 ° 9 ' 36.72 " W LONG.

ANTENNA ID: EKA 3.8 3.8 meters Comtech 934D0015-G2
3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: FWD
LOCATION: 3401 Northern Cross Boulevard, Tarrant, Fort Worth, TX
32 ° 50 ' 6.72 " N LAT. 97 ° 17 ' 56.04 " W LONG.

ANTENNA ID: FWD 3.7 3.7 meters Prodelin 1375-RXO
3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: GGW
LOCATION: 92 Airport Road, Valley, Glasgow, MT
48 ° 12 ' 28.44 " N LAT. 106 ° 37 ' 49.08 " W LONG.

ANTENNA ID: GGW 3.8 3.8 meters Comtech 934D0015-G2
3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: GID
LOCATION: 6365 North Osborne Drive West, Adams, Hastings, NE
40 ° 38 ' 49.92 " N LAT. 98 ° 23 ' 2.04 " W LONG.

ANTENNA ID: GID 3.8 3.8 meters Comtech 934D0015-G2
3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: GJT
LOCATION: 2844 Aviators Way, Mesa, Grand Junction, CO
39 ° 7 ' 12.00 " N LAT. 108 ° 31 ' 28.92 " W LONG.

ANTENNA ID: GJT 3.8 3.8 meters Comtech 934D0015-G2
3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: GLD
LOCATION: 920 Armory Road, Sherman, Goodland, KS
39 ° 21 ' 59.04 " N LAT. 101 ° 42 ' 1.08 " W LONG.

ANTENNA ID: GLD 3.7 3.7 meters Prodelin 1375-RXO
 3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: FSD
 LOCATION: 26 Weather Lane, Minnehaha, Sioux Falls, SD
 43 ° 35 ' 14.28 " N LAT. 96 ° 43 ' 48.00 " W LONG.

ANTENNA ID: FSD 3.8 3.8 meters Comtech 934D0015-G2
 3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: GRR
 LOCATION: 4899 Tim Dougherty Drive, Kent, Grand Rapids, MI
 42 ° 53 ' 35.52 " N LAT. 85 ° 32 ' 42.00 " W LONG.

ANTENNA ID: GRR 3.8 3.8 meters Comtech 934D0015-G2
 3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: GSP
 LOCATION: 1549 GSP Drive, Greenville, Greer, SC
 34 ° 52 ' 59.88 " N LAT. 82 ° 13 ' 12.00 " W LONG.

ANTENNA ID: GSP 3.8 3.8 meters Comtech 934D0015-G2
 3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: GYX
 LOCATION: 1 Weather Lane, Cumberland, Grey, MA
 43 ° 53 ' 33.00 " N LAT. 70 ° 15 ' 15.84 " W LONG.

ANTENNA ID: GYX 3.8 3.8 meters Comtech 934D0015-G2
 3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: HGX
 LOCATION: 1353 FM646, Galveston, Dickinson, TX
 29 ° 28 ' 19.20 " N LAT. 95 ° 5 ' 0.24 " W LONG.

ANTENNA ID: HGX 4.5 4.5 meters Andrew ES45C
 3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: HNX
 LOCATION: 900 Foggy Bottom Road, Kings, Hanford, CA
 36 ° 18 ' 50.76 " N LAT. 119 ° 37 ' 54.84 " W LONG.

ANTENNA ID: HNX 3.8 3.8 meters Comtech 934D0015-G2
 3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: GRB
 LOCATION: 2485 South Point Road, Brown, Green Bay, WI
 44 ° 29 ' 53.52 " N LAT. 88 ° 6 ' 41.04 " W LONG.

ANTENNA ID: GRB 3.8 3.8 meters Comtech 934D0015-G2
 3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: HUN
 LOCATION: 320 Sparkman Drive, Madison, Huntsville, AL
 34 ° 43 ' 28.92 " N LAT. 86 ° 38 ' 41.64 " W LONG.

ANTENNA ID: HUN 3.8 3.8 meters Comtech 934D0015-G2
 3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: ICT
 LOCATION: 2142 South Tyler Road, Sedgwick, Wichita, KS
 37 ° 39 ' 19.44 " N LAT. 97 ° 26 ' 35.88 " W LONG.

ANTENNA ID: ICT 3.7 3.7 meters Prodelin 1375-RXO
 3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: ILM
 LOCATION: 2015 Gardner Drive, New Hanover, Wilmington, NC
 34 ° 16 ' 33.96 " N LAT. 77 ° 54 ' 46.08 " W LONG.

ANTENNA ID: ILM 3.8 3.8 meters Comtech 934D0015-G2
 3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: ILN
 LOCATION: 1901 South State Rd, Clinton, Wilmington, OH
 39 ° 25 ' 15.24 " N LAT. 83 ° 49 ' 18.12 " W LONG.

ANTENNA ID: ILN 3.8 3.8 meters Comtech 934D0015-G2
 3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: ILX
 LOCATION: 1362 State Route 10, Logan, Lincoln, IL
 40 ° 9 ' 7.20 " N LAT. 89 ° 20 ' 18.24 " W LONG.

ANTENNA ID: ILX 3.8 3.8 meters Comtech 934D0015-G2
 3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: HPCN
 LOCATION: 5830 University Research Court, Prince George, College Park, MD
 38 ° 58 ' 19.20 " N LAT. 76 ° 55 ' 31.10 " W LONG.

ANTENNA ID: HPCN 3.8 3.8 meters Comtech 934D0015-G2
 3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: IWX
 LOCATION: 7506 E850N, Kosciusko, Syracuse, IN
 41 ° 21 ' 31.32 " N LAT. 85 ° 42 ' 3.24 " W LONG.

ANTENNA ID: IWX 3.8 3.8 meters Comtech 934D0015-G2
 3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: JAN
 LOCATION: 234 Weather Service Drive, Rankin, Jackson, MS
 32 ° 19 ' 8.04 " N LAT. 90 ° 4 ' 48.00 " W LONG.

ANTENNA ID: JAN 3.8 3.8 meters Comtech 934D0015-G2
 3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: JAX
 LOCATION: 13701 Fang Drive, Duval, Jacksonville, FL
 30 ° 29 ' 2.76 " N LAT. 81 ° 42 ' 5.40 " W LONG.

ANTENNA ID: JAX 3.8 3.8 meters Comtech 934D0015-G2
 3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: JKL
 LOCATION: 1329 Airport Road, Breathitt, Jackson, KY
 37 ° 35 ' 30.48 " N LAT. 83 ° 18 ' 58.32 " W LONG.

ANTENNA ID: JKL 3.8 3.8 meters Comtech 934D0015-G2
 3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: KEY
 LOCATION: 1315 White Street, Monroe, Key West, FL
 24 ° 33 ' 13.68 " N LAT. 81 ° 47 ' 16.44 " W LONG.

ANTENNA ID: KEY 4.5 4.5 meters Andrew ES45C
 3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: IND
 LOCATION: 6900 West Hanna Avenue, Marion, Indianapolis, IN
 39 ° 42 ' 24.12 " N LAT. 86 ° 16 ' 49.80 " W LONG.

ANTENNA ID: IND 3.8 3.8 meters Comtech 934D0015-G2
 3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: LCH
 LOCATION: 500 Airport Blvd, Calcasieu, Lake Charles, LA
 30 ° 7 ' 31.08 " N LAT. 93 ° 13 ' 0.48 " W LONG.

ANTENNA ID: LCH 3.8 3.8 meters Comtech 934D0015-G2
 3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: LIX
 LOCATION: 62300 Airport Road, St. Tammany, Slidell, LA
 30 ° 20 ' 14.28 " N LAT. 89 ° 49 ' 30.00 " W LONG.

ANTENNA ID: LIX 4.5 4.5 meters Andrew ES45C
 3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: LKN
 LOCATION: 3720 Paradise Drive, Elko, Elko, NV
 40 ° 51 ' 36.36 " N LAT. 115 ° 44 ' 31.20 " W LONG.

ANTENNA ID: LKN 3.8 3.8 meters Comtech 934D0015-G2
 3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: LMK
 LOCATION: 6201 Theiler Lane, Jefferson, Louisville, KY
 38 ° 6 ' 53.28 " N LAT. 85 ° 38 ' 42.36 " W LONG.

ANTENNA ID: LMK 3.8 3.8 meters Comtech 934D0015-G2
 3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: LOT
 LOCATION: 333 West University Drive, Will, Romeoville, IL
 41 ° 36 ' 15.48 " N LAT. 88 ° 5 ' 3.84 " W LONG.

ANTENNA ID: LOT 3.8 3.8 meters Comtech 934D0015-G2
 3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: LBF
 LOCATION: 5250 East Lee Bird Drive, Lincoln, North Platte, NE
 41 ° 7 ' 57.72 " N LAT. 100 ° 42 ' 0.00 " W LONG.

ANTENNA ID: LBF 3.8 3.8 meters Comtech 934D0015-G2
 3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: LSX
 LOCATION: 12 Research Park Drive, St. Charles, St. Charles, MO
 38 ° 41 ' 55.68 " N LAT. 90 ° 40 ' 57.00 " W LONG.

ANTENNA ID:	LSX 3.8	3.8 meters	Comtech	934D0015-G2
	3700.0000 - 4200.0000 MHz		36MOG7W	0.00 dBW
				Digital Data
SITE ID:	LUB			
LOCATION:	2579 S Loop 289, Suite 100, Lubbock, Lubbock, TX			
	33 ° 31 ' 41.16 " N LAT.			101 ° 52 ' 34.32 " W LONG.
ANTENNA ID:	LUB 3.8	3.8 meters	Comtech	934D0015-G2
	3700.0000 - 4200.0000 MHz		36MOG7W	0.00 dBW
				Digital Data
SITE ID:	LWX			
LOCATION:	43858 Weather Service Road, Loudoun, Sterling, VA			
	38 ° 58 ' 36.48 " N LAT.			77 ° 29 ' 10.68 " W LONG.
ANTENNA ID:	LWX 3.8	3.8 meters	Comtech	934D0015-G2
	3700.0000 - 4200.0000 MHz		36MOG7W	0.00 dBW
				Digital Data
SITE ID:	LZK			
LOCATION:	8400 Remount Road, Pulaski, North Little Rock, AR			
	34 ° 50 ' 6.72 " N LAT.			92 ° 15 ' 34.20 " W LONG.
ANTENNA ID:	LZK 3.8	3.8 meters	Comtech	934D0015-G2
	3700.0000 - 4200.0000 MHz		36MOG7W	0.00 dBW
				Digital Data
SITE ID:	MAF			
LOCATION:	2500 Challenger Drive, Midland, Midland, TX			
	31 ° 56 ' 34.06 " N LAT.			102 ° 11 ' 20.40 " W LONG.
ANTENNA ID:	MAF 3.8	3.8 meters	Comtech	934D0015-G2
	3700.0000 - 4200.0000 MHz		36MOG7W	0.00 dBW
				Digital Data
SITE ID:	LOX			
LOCATION:	520 N Elevar Street, Ventura, Oxnard, LA			
	34 ° 12 ' 25.92 " N LAT.			119 ° 8 ' 14.64 " W LONG.
ANTENNA ID:	LOX 3.8	3.8 meters	Comtech	934D0015-G2
	3700.0000 - 4200.0000 MHz		36MOG7W	0.00 dBW
				Digital Data
SITE ID:	MFL			
LOCATION:	11691 SW 17th Street, Miami-Dade, Miami, FL			
	25 ° 45 ' 15.48 " N LAT.			80 ° 23 ' 0.60 " W LONG.
ANTENNA ID:	MFL 4.5	4.5 meters	Andrew	ES45C
	3700.0000 - 4200.0000 MHz		36MOG7W	0.00 dBW
				Digital Data

SITE ID: MFR
LOCATION: 4003 Cirrus Drive, Jackson, Medford, OR
42 ° 22 ' 37.56 " N LAT. 122 ° 52 ' 55.56 " W LONG.

ANTENNA ID: MFR 3.8 3.8 meters Comtech 934D0015-G2
3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: MHX
LOCATION: 533 Roberts Road, Carteret, Newport, NC
34 ° 46 ' 34.32 " N LAT. 76 ° 52 ' 37.92 " W LONG.

ANTENNA ID: MHX 3.8 3.8 meters Comtech 934D0015-G2
3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: MKX
LOCATION: N3533 Hardscrabble Road, Jefferson, Dousman, WI
42 ° 58 ' 5.16 " N LAT. 88 ° 32 ' 57.12 " W LONG.

ANTENNA ID: MKX 3.8 3.8 meters Comtech 934D0015-G2
3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: MLB
LOCATION: 421 Croton Road, Brevard, Melbourne, FL
28 ° 6 ' 49.32 " N LAT. 80 ° 39 ' 14.40 " W LONG.

ANTENNA ID: MLB 3.8 3.8 meters Comtech 934D0015-G2
3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: MEG
LOCATION: 7777 Walnut Grove Road, Shelby, Memphis, TN
35 ° 7 ' 47.28 " N LAT. 89 ° 48 ' 13.32 " W LONG.

ANTENNA ID: MEG 3.8 3.8 meters Comtech 934D0015-G2
3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: MPX
LOCATION: 1733 Lake Drive West, Carver, Chanhassen, MN
44 ° 50 ' 57.48 " N LAT. 93 ° 33 ' 53.66 " W LONG.

ANTENNA ID: MPX 3.8 3.8 meters Comtech 934D0015-G2
3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: MQT
LOCATION: 112 Airpark Drive South, Marquette, Negaunee, MI
46 ° 31 ' 51.60 " N LAT. 87 ° 32 ' 54.60 " W LONG.

ANTENNA ID: MQT 3.8 3.8 meters Comtech 934D0015-G2
 3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: MRX
 LOCATION: 5974 Commerce Boulevard, Hamblen, Morristown, TN
 36 ° 10 ' 6.96 " N LAT. 83 ° 24 ' 7.20 " W LONG.

ANTENNA ID: MRX 3.8 3.8 meters Comtech 934D0015-G2
 3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: MSO
 LOCATION: 6633 Aviation Way, Missoula, Missoula, MT
 46 ° 55 ' 28.20 " N LAT. 114 ° 5 ' 24.72 " W LONG.

ANTENNA ID: MSO 3.8 3.8 meters Comtech 934D0015-G2

SITE ID: MSO
 LOCATION: 6633 Aviation Way, Missoula, Missoula, MT
 46 ° 55 ' 28.20 " N LAT. 114 ° 5 ' 24.72 " W LONG.

ANTENNA ID: MSO 3.8 3.8 meters Comtech 934D0015-G2
 3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: MOB
 LOCATION: 8400 Airport Boulevard Bldg 11, Mobile, Mobile, AL
 30 ° 40 ' 45.84 " N LAT. 88 ° 14 ' 22.56 " W LONG.

ANTENNA ID: MOB 3.8 3.8 meters Comtech 934D0015-G2
 3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: NWCO
 LOCATION: 205 Hackberry La., Tuscaloosa, Tuscaloosa, AL
 33 ° 13 ' 3.50 " N LAT. 87 ° 32 ' 26.00 " W LONG.

ANTENNA ID: NWCO 3.8 3.8 meters Comtech 934D0015-G2
 3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: OAX
 LOCATION: 6707 North 288th Street, Douglas, Valley, NE
 41 ° 19 ' 10.92 " N LAT. 96 ° 22 ' 2.64 " W LONG.

ANTENNA ID: OAX 3.8 3.8 meters Comtech 934D0015-G2
 3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: OFF
 LOCATION: 101 Nelson Drive, Sarpy, Bellevue, NE
 41 ° 7 ' 56.30 " N LAT. 95 ° 55 ' 3.70 " W LONG.

ANTENNA ID: OFF 3.7 3.7 meters Prodelin 1374
 3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: OHX
 LOCATION: 500 Weather Station Road, Wilson, Old Hickory, TN
 36 ° 14 ' 50.64 " N LAT. 86 ° 33 ' 46.08 " W LONG.

ANTENNA ID: OHX 3.8 3.8 meters Comtech 934D0015-G2
 3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: OKX
 LOCATION: 175 Brookhaven Avenue, Suffolk, Upton, NY
 40 ° 51 ' 55.08 " N LAT. 72 ° 51 ' 53.28 " W LONG.

ANTENNA ID: OKX 3.8 3.8 meters Comtech 934D0015-G2
 3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: MTR
 LOCATION: 21 Grace Hopper Ave, Monterey, Monterey, CA
 36 ° 35 ' 33.72 " N LAT. 121 ° 51 ' 20.16 " W LONG.

ANTENNA ID: MTR 3.8 3.8 meters Comtech 934D0015-G2
 3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: OSFW
 LOCATION: 1200 Westheimer Dr., Cleveland, Norman, OK
 35 ° 14 ' 13.92 " N LAT. 97 ° 27 ' 37.08 " W LONG.

ANTENNA ID: OSFW 3.8 3.8 meters Comtech 934D0015-G2
 3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: OTX
 LOCATION: 2601 North Rambo Road, Spokane, Spokane, WA
 47 ° 40 ' 52.32 " N LAT. 117 ° 37 ' 37.20 " W LONG.

ANTENNA ID: OTX 3.8 3.8 meters Comtech 934D0015-G2
 3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: PAH
 LOCATION: 8250 KY Hwy 3520, McCracken, West Paducah, KY
 37 ° 4 ' 5.88 " N LAT. 88 ° 46 ' 21.00 " W LONG.

ANTENNA ID:	PAH 3.8	3.8 meters	Comtech	934D0015-G2
	3700.0000 - 4200.0000 MHz		36MOG7W	0.00 dBW
				Digital Data
SITE ID:	PBP			
LOCATION:	1845 Wasp Blvd., Bldg 176, Honolulu, Honolulu, HI			
	21 ° 22 ' 1.40 " N LAT.			157 ° 57 ' 45.30 " W LONG.
ANTENNA ID:	PBP 7.6	7.6 meters	ASC Signal	ES76C-1
	3700.0000 - 4200.0000 MHz		36MOG7W	0.00 dBW
				Digital Data
SITE ID:	PBZ			
LOCATION:	192 Shafer Road, Allegheny, Moon Township, PA			
	40 ° 31 ' 54.48 " N LAT.			80 ° 13 ' 2.28 " W LONG.
ANTENNA ID:	PBZ 3.7	3.7 meters	Prodelin	1375-RXO
	3700.0000 - 4200.0000 MHz		36MOG7W	0.00 dBW
				Digital Data
SITE ID:	ORN			
LOCATION:	62300 Airport Road, St. Tammany, slidell, LA			
	30 ° 20 ' 13.92 " N LAT.			89 ° 49 ' 31.08 " W LONG.
ANTENNA ID:	ORN 4.5	4.5 meters	Andrew	ES45C
	3700.0000 - 4200.0000 MHz		36MOG7W	0.00 dBW
				Digital Data
SITE ID:	PHI			
LOCATION:	732 Woodland Road, Burlington, Mt. Holly, NJ			
	40 ° 0 ' 48.24 " N LAT.			74 ° 49 ' 1.92 " W LONG.
ANTENNA ID:	PHI 3.8	3.8 meters	Comtech	934D0015-G2
	3700.0000 - 4200.0000 MHz		36MOG7W	0.00 dBW
				Digital Data
SITE ID:	PIH			
LOCATION:	1945 Beechcraft Ave., Power, Pocatello, ID			
	42 ° 54 ' 16.20 " N LAT.			112 ° 35 ' 26.50 " W LONG.
ANTENNA ID:	PIH 3.8	3.8 meters	Comtech	934D0015-G2
	3700.0000 - 4200.0000 MHz		36MOG7W	0.00 dBW
				Digital Data
SITE ID:	PQR			
LOCATION:	5241 NE 122nd Ave, Multnomah, Portland, OR			
	45 ° 33 ' 38.88 " N LAT.			122 ° 32 ' 18.60 " W LONG.
ANTENNA ID:	PQR 3.8	3.8 meters	Comtech	934D0015-G2
	3700.0000 - 4200.0000 MHz		36MOG7W	0.00 dBW
				Digital Data

SITE ID: PSR
 LOCATION: 101 W Operations Drive, Maricopa, Tempe, AZ
 33 ° 26 ' 35.50 " N LAT. 111 ° 56 ' 24.50 " W LONG.

ANTENNA ID: PSR 3.8 3.8 meters Comtech 934D0015-G2
 3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: PUB
 LOCATION: 3 Eaton Way, Pueblo, Pueblo, CO
 38 ° 16 ' 47.28 " N LAT. 104 ° 31 ' 16.32 " W LONG.

ANTENNA ID: PUB 3.8 3.8 meters Comtech 934D0015-G2
 3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: PDT
 LOCATION: 2001 NW 56th Drive, Umatilla, Pendleton, OR
 45 ° 41 ' 26.52 " N LAT. 118 ° 51 ' 9.72 " W LONG.

ANTENNA ID: PDT 3.8 3.8 meters Comtech 934D0015-G2
 3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: REV
 LOCATION: 2350 Raggio Parkway, Washoe, Reno, NV
 39 ° 34 ' 5.88 " N LAT. 119 ° 47 ' 45.96 " W LONG.

ANTENNA ID: REV 3.8 3.8 meters Comtech 934D0015-G2
 3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: RIW
 LOCATION: 12744 West US Highway 26, Fremont, Riverton, WY
 43 ° 3 ' 55.44 " N LAT. 108 ° 28 ' 39.00 " W LONG.

ANTENNA ID: RIW 3.8 3.8 meters Comtech 934D0015-G2
 3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: RLX
 LOCATION: 400 Parkway Road, Kanawha, Charleston, WV
 38 ° 18 ' 47.16 " N LAT. 81 ° 43 ' 8.76 " W LONG.

ANTENNA ID: RLX 3.8 3.8 meters Comtech 934D0015-G2
 3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: RNK
 LOCATION: 1750 Forecast Drive, Montgomery, Blackburg, VA
 37 ° 12 ' 14.40 " N LAT. 80 ° 24 ' 52.92 " W LONG.

ANTENNA ID:	RNK 3.8	3.8 meters	Comtech	934D0015-G2
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				Digital Data
SITE ID:	SEW			
LOCATION:	7600 Sand Point Way, NE., King, Seattle, WA			
	47 ° 41 ' 13.56 " N LAT.			122 ° 15 ' 17.28 " W LONG.
ANTENNA ID:	SEW 3.8	3.8 meters	Comtech	934D0015-G2
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				Digital Data
SITE ID:	RAH			
LOCATION:	1005 Capabilty Dr., Wake, Raleigh, NC			
	35 ° 46 ' 14.16 " N LAT.			78 ° 40 ' 51.96 " W LONG.
ANTENNA ID:	RAH 3.8	3.8 meters	Comtech	934D0015-G2
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				Digital Data
SITE ID:	SGF			
LOCATION:	5805 West Highway EE, Greene, Springfield, MO			
	37 ° 14 ' 7.80 " N LAT.			93 ° 24 ' 4.68 " W LONG.
ANTENNA ID:	SGF 3.8	3.8 meters	Comtech	934D0015-G2
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				Digital Data
SITE ID:	SGX			
LOCATION:	11440 W Bernardo Court Suite 230, San Diego, San Diego, CA			
	33 ° 1 ' 18.84 " N LAT.			117 ° 4 ' 55.56 " W LONG.
ANTENNA ID:	SGX 3.8	3.8 meters	Comtech	934D0015-G2
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				Digital Data
SITE ID:	SHV			
LOCATION:	5655 Hollywood Avenue, Caddo, Shreveport, LA			
	32 ° 27 ' 3.60 " N LAT.			93 ° 50 ' 29.04 " W LONG.
ANTENNA ID:	SHV 3.8	3.8 meters	Comtech	934D0015-G2
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				Digital Data
SITE ID:	SJT			
LOCATION:	7654 Knickerbocker Road, Tom Green, San Angelo, TX			
	31 ° 22 ' 13.80 " N LAT.			100 ° 29 ' 41.64 " W LONG.
ANTENNA ID:	SJT 3.8	3.8 meters	Comtech	934D0015-G2
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				Digital Data

SITE ID: SJU
 LOCATION: 4000 Carretera 190, Carolina, Carolina, PR
 18 ° 25 ' 52.68 " N LAT. 65 ° 59 ' 33.00 " W LONG.

ANTENNA ID: SJU 7.3 7.3 meters Andrew ESC72
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Data

SITE ID: SFMG
 LOCATION: 2101 NASA Parkway, Harris, Houston, TX
 29 ° 33 ' 10.80 " N LAT. 95 ° 5 ' 36.96 " W LONG.

ANTENNA ID: SFMG 4.5 4.5 meters Andrew ES45C
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Data

SITE ID: SPCN
 LOCATION: 120 David L. Boren Blvd., Cleveland, Norman, OK
 35 ° 10 ' 52.00 " N LAT. 97 ° 26 ' 20.40 " W LONG.

ANTENNA ID: SPCN 3.8 3.8 meters Comtech 934D0015-G2
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Data

SITE ID: STO
 LOCATION: 3310 El Camino Ave, Sacramento, Sacramento, CA
 38 ° 36 ' 31.90 " N LAT. 121 ° 23 ' 14.60 " W LONG.

ANTENNA ID: STO 3.8 3.8 meters Comtech 934D0015-G2
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Data

SITE ID: TAE
 LOCATION: 1017 Academic Way, Leon, Tallahassee, FL
 30 ° 26 ' 46.32 " N LAT. 84 ° 17 ' 58.20 " W LONG.

ANTENNA ID: TAE 3.8 3.8 meters Comtech 934D0015-G2
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Data

SITE ID: TBW
 LOCATION: 2525 14TH Avenue, S.E., Hillsborough, Ruskin, FL
 27 ° 42 ' 19.08 " N LAT. 82 ° 24 ' 2.88 " W LONG.

ANTENNA ID: TBW 4.5 4.5 meters Andrew ES45C
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Data

SITE ID: TFX
 LOCATION: 5324 Tri-Hill Frontage Road, Cascade, Great Falls, MT
 47 ° 27 ' 40.32 " N LAT. 111 ° 23 ' 8.16 " W LONG.

ANTENNA ID: TFX 3.8 3.8 meters Comtech 934D0015-G2
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Data

SITE ID: SLC
 LOCATION: 2242 West North Temple, Salt Lake, Salt Lake City, UT
 40 ° 46 ' 20.28 " N LAT. 111 ° 57 ' 19.08 " W LONG.

ANTENNA ID: SLC 3.7 3.7 meters Prodelin 1375-RXO
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Data

SITE ID: TSA
 LOCATION: 10159 East 11th St., Tulsa, Tulsa, OK
 36 ° 8 ' 56.76 " N LAT. 95 ° 51 ' 43.92 " W LONG.

ANTENNA ID: TSA 3.7 3.7 meters Prodelin 1375-RXO
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Data

SITE ID: TWC
 LOCATION: 520 N Park Ave, Pima, Tucson, AZ
 32 ° 13 ' 40.80 " N LAT. 110 ° 57 ' 20.88 " W LONG.

ANTENNA ID: TWC 3.8 3.8 meters Comtech 934D0015-G2
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Data

SITE ID: UNR
 LOCATION: 300 East Signal Drive, Pennington, Rapid City, SD
 44 ° 4 ' 23.16 " N LAT. 103 ° 12 ' 40.32 " W LONG.

ANTENNA ID: UNR 3.8 3.8 meters Comtech 934D0015-G2
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Data

SITE ID: VEF
 LOCATION: 7851 Dean Martin Drive, Clark, Las Vegas, NV
 36 ° 2 ' 48.48 " N LAT. 115 ° 11 ' 4.92 " W LONG.

ANTENNA ID: VEF 3.8 3.8 meters Comtech 934D0015-G2
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Data

SITE ID: TOP
 LOCATION: 1116 NE Strait Ave., Shawnee, Topeka, KS
 39 ° 4 ' 20.28 " N LAT. 95 ° 37 ' 49.80 " W LONG.

ANTENNA ID: TOP 3.7 3.7 meters Prodelin 1375-RXO
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Data

SITE ID: EMWIN (NWWS1)
 LOCATION: 1325 East West Highway, Montgomery, Silver Spring, MD
 38 ° 59 ' 35.16 " N LAT. 77 ° 1 ' 51.96 " W LONG.

ANTENNA ID: EMWIN 2.4 2.4 meters GD SATCOM 1241
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Data

SITE ID: FLEWEACEN-N
 LOCATION: 9141 Third Avenue, BLDG U-117, Norfolk City, Norfolk, VA
 36 ° 56 ' 26.88 " N LAT. 76 ° 18 ' 0.72 " W LONG.

ANTENNA ID: FLEW-D 3.8 3.8 meters DH Satellite DH38FAE-4P
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Data

SITE ID: FLEWEACEN-SD
 LOCATION: Fleet Weather Center San Diego, Bldg 14, San Diego, San Diego, CA
 32 ° 42 ' 39.24 " N LAT. 117 ° 12 ' 0.35 " W LONG.

ANTENNA ID: FLEW-SD3.8 3.8 meters DH Satellite DH38FAE-4P
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Data

SITE ID: VHW
 LOCATION: 125 S. State Street, Salt Lake, Salt Lake City, UT
 40 ° 46 ' 0.12 " N LAT. 111 ° 53 ' 12.84 " W LONG.

ANTENNA ID: VHW 3.8 3.8 meters Comtech 934D0015-G2
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Data

SITE ID: VUY
 LOCATION: 630 Johnson Ave, Suffolk, Bohemia, NY
 40 ° 46 ' 49.08 " N LAT. 73 ° 5 ' 50.64 " W LONG.

ANTENNA ID: VUY 3.7 3.7 meters Prodelin 1375-RXO
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Data

SITE ID: MEMA (NWWS5)
 LOCATION: 5401 Rue Saint Lo Dr., Baltimore, Reisterstown, MD
 39 ° 29 ' 59.28 " N LAT. 76 ° 50 ' 18.24 " W LONG.

ANTENNA ID: MEMA 2.4 2.4 meters GD SATCOM 1241
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Data

SITE ID: NTWC (NWWS3)
 LOCATION: 910 South Felton Street Palmer, Matanuska-Susitna, Palmer, AK
 61 ° 35 ' 52.20 " N LAT. 149 ° 7 ' 59.00 " W LONG.

ANTENNA ID: NTWC 3.8 3.8 meters GD SATCOM 1385
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Data

SITE ID: NWWS SPC (NWWS2)
LOCATION: 120 David L. Boren Blvd., Cleveland, Norman, OK
35 ° 10 ' 52.04 " N LAT. 97 ° 26 ' 20.40 " W LONG.

ANTENNA ID: NWWS 2.4 2.4 meters GD SATCOM 1241
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Data

SITE ID: MDOT (NWWS4)
LOCATION: 2701 Prospect Ave, Lewis and Clark, Helena, MT
46 ° 35 ' 18.90 " N LAT. 111 ° 59 ' 34.10 " W LONG.

ANTENNA ID: MDOT 2.4 2.4 meters GD SATCOM 1241
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Data

SITE ID: PEM (NWWS6)
LOCATION: 1310 Elmerton Ave., Dauphin, Harrisburg, PA
40 ° 17 ' 48.48 " N LAT. 76 ° 52 ' 6.60 " W LONG.

ANTENNA ID: PEM 2.4 2.4 meters GD SATCOM 1241
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Data

Points of Communication:

- ABQ - PERMITTED LIST - ()
- ABR - PERMITTED LIST - ()
- AFC - PERMITTED LIST - ()
- AFG - PERMITTED LIST - ()
- AJK - PERMITTED LIST - ()
- BOU - PERMITTED LIST - ()
- BRO - PERMITTED LIST - ()
- CAR - PERMITTED LIST - ()

SES-REG-20181017-06070 E E200761 Knology of Montgomery, Inc. 10/15/2018 - 10/15/2033
Registration
Grant of Authority Date Effective: 07/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 10115 Sherrill Blvd, Knox, Knoxville, TN
35 ° 55 ' 12.00 " N LAT. 84 ° 7 ' 48.00 " W LONG.

ANTENNA ID: Sat1 7 meters ATCi Simulsat 7
3700.0000 - 4200.0000 MHz 36M0G7W digital signals
ANTENNA ID: Sat2 4.5 meters Scientific Atlanta 4.5
3700.0000 - 4200.0000 MHz 36M0G7W digital signals

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181017-06100 E E200790 WideOpenWest Michigan, LLC
Registration 10/15/2018 - 10/15/2033
Grant of Authority Date Effective: 07/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 1339 Rochester Road, Oakland, Troy, MI
42 ° 32 ' 48.85 " N LAT. 83 ° 8 ' 12.35 " W LONG.

ANTENNA ID: 1 4.5 meters Scientific Atlanta 4.5
3700.0000 - 4200.0000 MHz 36M0G7W digital signals

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181017-06107 E E200797 WideOpenWest Mid-Michigan, LLC
Registration 10/15/2018 - 10/15/2033
Grant of Authority Date Effective: 07/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 4240 N Michigan Rd, Ingraham, Diamondale, MI
42 ° 37 ' 44.33 " N LAT. 84 ° 37 ' 17.73 " W LONG.

ANTENNA ID: Sat1 4.5 meters Scientific Atlanta 4.5
3700.0000 - 4200.0000 MHz 36M0G7W digital signals

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181017-06348 E E201009 Scotland Broadcasting Company, Inc.
Registration 10/16/2018 - 10/16/2033
Grant of Authority Date Effective: 07/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 1011 Lila Drive P.O. Box 1305, Scotland, Laurinburg, NC
34 ° 47 ' 1.00 " N LAT. 79 ° 26 ' 21.00 " W LONG.

ANTENNA ID:	1	3 meters	Comtech Antenna Systems	EL/AZ 3.8 Meter
	3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	Digital Broadcast Audio Carrier

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181017-06647 E E201265 TDS BROADBAND SERVICE LLC
Registration 10/17/2018 - 10/17/2033
Grant of Authority Date Effective: 07/14/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: ALMGNMGM
LOCATION: 2500 Ocotillo Dr, Alamogordo, NM
32 ° 52 ' 21.71 " N LAT. 105 ° 55 ' 55.29 " W LONG.

ANTENNA ID:	1	4.5 meters	Scientific Atlantic	8345
	3700.0000 - 4200.0000 MHz	1		
ANTENNA ID:	2	3.8 meters	Patriot	PRT-380
	3700.0000 - 4200.0000 MHz	n/a		
ANTENNA ID:	3	3.1 meters	Unknown	Unknown
	3700.0000 - 4200.0000 MHz	n/a		
ANTENNA ID:	4	3.1 meters	Patriot	PRT-310
	3700.0000 - 4200.0000 MHz	n/a		
ANTENNA ID:	5	3.7 meters	Prodelin	1374
	3700.0000 - 4200.0000 MHz	n/a		

ANTENNA ID:	6	5 meters	AFC	PR-16
	3700.0000 - 4200.0000 MHz	n/a		
ANTENNA ID:	7	4.9 meters	Andrew	Unknown
	3700.0000 - 4200.0000 MHz	n/a		
ANTENNA ID:	8	0.9 meters	Channel Master	3040975
	3700.0000 - 4200.0000 MHz	n/a		
ANTENNA ID:	9	1.8 meters	Prodelin	1184
	3700.0000 - 4200.0000 MHz	n/a		

Points of Communication:

ALMGNMGM - PERMITTED LIST - ()

SES-REG-20181017-06650	E	E201268	NATCO Video, LLC	10/17/2018 - 10/17/2033
Registration				Date Effective: 07/14/2020
Grant of Authority				

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Lead Hill
LOCATION: 104 Highway 7 North, Boone, Lead Hill, AR
36 ° 25 ' 12.10 " N LAT. 92 ° 54 ' 48.10 " W LONG.

ANTENNA ID:	GAL-AMC	3.7 meters	Prodelin	1374
	3700.0000 - 4200.0000 MHz	38M0G0N		Video
ANTENNA ID:	SES	3.7 meters	Prodelin	1374
	3700.0000 - 4200.0000 MHz	38M0G0N		Video

Points of Communication:

Lead Hill - PERMITTED LIST - ()

SES-REG-20181017-06656	E	E201274	TDS BROADBAND SERVICE LLC	10/17/2018 - 10/17/2033
Registration				Date Effective: 07/14/2020
Grant of Authority				

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: CRTZCODY
 LOCATION: 107 S Washington St, Cortez, CO
 37 ° 20 ' 50.18 " N LAT. 108 ° 34 ' 53.90 " W LONG.

ANTENNA ID:	1	5 meters	Patriot	Unknown
	3700.0000 - 4200.0000 MHz	n/a		
ANTENNA ID:	2	5 meters	Patriot	Unknown
	3700.0000 - 4200.0000 MHz	n/a		
ANTENNA ID:	3	3.8 meters	Patriot	Unknown
	3700.0000 - 4200.0000 MHz	n/a		
ANTENNA ID:	4	3.7 meters	Patriot	Unknown
	3700.0000 - 4200.0000 MHz	n/a		
ANTENNA ID:	5	3.7 meters	Unknown	Unknown
	3700.0000 - 4200.0000 MHz	n/a		
ANTENNA ID:	6	5 meters	Unknown	Unknown
	3700.0000 - 4200.0000 MHz	n/a		
ANTENNA ID:	7	3.7 meters	Scientific Atlanta	Unknown
	3700.0000 - 4200.0000 MHz	n/a		
ANTENNA ID:	8	3.7 meters	Scientific Atlanta	Unknown
	3700.0000 - 4200.0000 MHz	n/a		
ANTENNA ID:	9	3.7 meters	Unknown	Unknown
	3700.0000 - 4200.0000 MHz	n/a		

Points of Communication:

CRTZCODY - PERMITTED LIST - ()

SES-REG-20181017-06699 E E201979 Immaculate Heart Media, Inc.
 Registration 10/17/2018 - 10/17/2033
 Grant of Authority Date Effective: 07/08/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
 LOCATION: 2766 N Santa Fe Avenue, San Diego, Oceanside, CA
 33 ° 14 ' 1.30 " N LAT. 117 ° 16 ' 11.90 " W LONG.

ANTENNA ID: 1 3.7 meters DH Satellite 3.7m
 3700.0000 - 4200.0000 MHz 36M0G7W Digital audio

SITE ID: 2
 LOCATION: 1233 Mokulele Hwy, Maui, Kihei, HI
 20 ° 47 ' 18.80 " N LAT. 156 ° 27 ' 50.70 " W LONG.

ANTENNA ID: 2 3.7 meters Patriot 3.7m
 3700.0000 - 4200.0000 MHz 36M0G7W Digital audio

SITE ID: 3
 LOCATION: 1700 North Alvarado Street, Los Angeles, Los Angeles, CA
 34 ° 5 ' 8.00 " N LAT. 118 ° 15 ' 29.50 " W LONG.

ANTENNA ID: 3 3.7 meters General Dynamics 3.7m
 3700.0000 - 4200.0000 MHz 36M0G7W Digital audio

SITE ID: 4
 LOCATION: 28180 Avenue 15, Madera, Madera, CA
 36 ° 57 ' 59.60 " N LAT. 120 ° 2 ' 8.90 " W LONG.

ANTENNA ID: 4 3.7 meters Patriot 3.7m
 3700.0000 - 4200.0000 MHz 36M0G7W Digital audio

SITE ID: 5
 LOCATION: 8403B Clean Water Way, Washoe, Reno, NV
 39 ° 30 ' 47.10 " N LAT. 119 ° 42 ' 51.20 " W LONG.

ANTENNA ID: 5 3.7 meters General Dynamics 3.7m
 3700.0000 - 4200.0000 MHz 36M0G7W Digital audio

SITE ID: 6
 LOCATION: 1900 Carmen Street, Maricopa, Guadalupe, AZ
 33 ° 21 ' 39.00 " N LAT. 111 ° 58 ' 4.90 " W LONG.

ANTENNA ID: 6 3.7 meters General Dynamics 3.7m
 3700.0000 - 4200.0000 MHz 36M0G7W Digital audio

SITE ID: 7
 LOCATION: 6211 West 2100, Salt Lake, South Salt Lake City, UT
 40 ° 43 ' 13.40 " N LAT. 112 ° 2 ' 29.20 " W LONG.

ANTENNA ID:	7	3.7 meters	DH Satellite	3.7m
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital audio
SITE ID:	8			
LOCATION:	7304 Daffan Lane, Austin, Travis, Austin, TX			
	30 ° 19 ' 14.60 " N LAT.			97 ° 37 ' 25.90 " W LONG.
ANTENNA ID:	8	3.7 meters	DH Satellite	3.7m
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital audio
SITE ID:	9			
LOCATION:	15279 Handford-Armona Road, Kings, Lemoore, CA			
	36 ° 18 ' 47.30 " N LAT.			119 ° 43 ' 55.60 " W LONG.
ANTENNA ID:	9	3.7 meters	Patriot	3.7m
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital audio
SITE ID:	10			
LOCATION:	501 Bay Street, Humboldt, Eureka, CA			
	40 ° 48 ' 10.80 " N LAT.			124 ° 8 ' 21.90 " W LONG.
ANTENNA ID:	10	3.7 meters	Patriot	3.7m
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital audio
SITE ID:	11			
LOCATION:	14600 Claribel Road, Stanislaus, Waterford, CA			
	37 ° 42 ' 34.30 " N LAT.			120 ° 43 ' 33.30 " W LONG.
ANTENNA ID:	11	3.7 meters	General Dynamics	3.7m
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital audio
SITE ID:	12			
LOCATION:	9840 S. Rainbow Blvd, Clark, Enterprise, NV			
	36 ° 0 ' 40.60 " N LAT.			115 ° 14 ' 31.80 " W LONG.
ANTENNA ID:	12	3.7 meters	DH Satellite	3.7m
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital audio
SITE ID:	13			
LOCATION:	1 Radio Hill Road, Plumas, Quincy, CA			
	39 ° 56 ' 24.70 " N LAT.			120 ° 55 ' 42.50 " W LONG.
ANTENNA ID:	13	3.7 meters	Patriot	3.7m
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital audio

SITE ID: 14
 LOCATION: 307 Los Ranchos Road NW, Bernalillo, Albuquerque, NM
 35 ° 10 ' 13.00 " N LAT. 106 ° 37 ' 52.10 " W LONG.

ANTENNA ID: 14 3.7 meters General Dynamics 3.7m
 3700.0000 - 4200.0000 MHz 36M0G7W Digital audio

SITE ID: 15
 LOCATION: #1 Bayview Park Road, San Francisco, San Francisco, CA
 37 ° 42 ' 58.30 " N LAT. 122 ° 23 ' 40.80 " W LONG.

ANTENNA ID: 15 3.7 meters DH Satellite 3.7m
 3700.0000 - 4200.0000 MHz 36M0G7W Digital audio

SITE ID: 16
 LOCATION: 5051 Le Gray Road, Kern, Arvin, CA
 35 ° 1 ' 25.70 " N LAT. 118 ° 55 ' 12.60 " W LONG.

ANTENNA ID: 16 3.7 meters DH Satellite 3.7m
 3700.0000 - 4200.0000 MHz 36M0G7W Digital audio

SITE ID: 17
 LOCATION: 8743 Mid Lake Rd, Oneida, Woodruff, WI
 45 ° 51 ' 17.50 " N LAT. 89 ° 39 ' 6.40 " W LONG.

ANTENNA ID: 17 3.7 meters DH Satellite 3.7m
 3700.0000 - 4200.0000 MHz 36M0G7W Digital audio

SITE ID: 18
 LOCATION: 3256 Penryn Road, Placer, Loomis, CA
 38 ° 49 ' 50.40 " N LAT. 121 ° 10 ' 14.60 " W LONG.

ANTENNA ID: 18 3.7 meters Winegard 3.7m
 3700.0000 - 4200.0000 MHz 36M0G7W Digital audio

SITE ID: 19
 LOCATION: 2280 East Weber Street, San Joaquin, Stockton, CA
 37 ° 57 ' 34.30 " N LAT. 121 ° 15 ' 33.10 " W LONG.

ANTENNA ID: 19 3.7 meters Patriot 3.7m
 3700.0000 - 4200.0000 MHz 36M0G7W Digital audio

SITE ID: 20
 LOCATION: Mount Powell, Bldg 1, Mckinley, Thoreau, NM
 35 ° 28 ' 6.70 " N LAT. 108 ° 14 ' 26.40 " W LONG.

ANTENNA ID:	20	3.7 meters	DH Satellite	3.7m
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital audio
SITE ID:	21			
LOCATION:	1496 Bellevue St, Suite 202, Brown, Green Bay, WI 44 ° 28 ' 27.40 " N LAT.			88 ° 0 ' 4.10 " W LONG.
ANTENNA ID:	21A	3.8 meters	Patriot	PRT-380
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital audio
ANTENNA ID:	21B	3.8 meters	Patriot	PRT-380
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital audio
SITE ID:	22			
LOCATION:	2401 A Street, Sacramento, West Sacramento, CA 38 ° 35 ' 17.40 " N LAT.			121 ° 28 ' 9.60 " W LONG.
ANTENNA ID:	22	3.7 meters	DH Satellite	3.7m
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital audio
SITE ID:	23			
LOCATION:	Six Mile Hill Radio Site, Chaves, Roswell, NM 33 ° 23 ' 36.40 " N LAT.			104 ° 37 ' 28.10 " W LONG.
ANTENNA ID:	23	3.7 meters	DH Satellite	3.7m
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital audio
SITE ID:	24			
LOCATION:	Hwy 70 @ Portales City Water Tank, Roosevelt, Portales, NM 34 ° 13 ' 23.20 " N LAT.			103 ° 17 ' 7.90 " W LONG.
ANTENNA ID:	24	3.7 meters	DH Satellite	3.7m
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital audio
SITE ID:	25			
LOCATION:	1074 SR 245, Curry, Clovis, NM 34 ° 26 ' 19.80 " N LAT.			103 ° 12 ' 39.70 " W LONG.
ANTENNA ID:	25	3.7 meters	DH Satellite	3.7m
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital audio
SITE ID:	26			
LOCATION:	1311 Old Stage Road, Monterey, Salinas, CA 36 ° 39 ' 40.50 " N LAT.			121 ° 32 ' 34.10 " W LONG.

ANTENNA ID:	26	3.7 meters	General Dynamics	3.7m
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital audio
SITE ID:	27			
LOCATION:	12801 Curcie Road, Lee, Naples, FL			
	25 ° 59 ' 28.30 " N LAT.			81 ° 37 ' 27.10 " W LONG.
ANTENNA ID:	27	3.7 meters	DH Satellite	3.7m
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital audio
SITE ID:	28			
LOCATION:	Comanche Hill Swy Nev, Quay, Tucumcari, NM			
	35 ° 8 ' 23.30 " N LAT.			103 ° 44 ' 45.60 " W LONG.
ANTENNA ID:	28	3.7 meters	DH Satellite	3.7m
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital audio
SITE ID:	29			
LOCATION:	353 Chapman Road, Aroostook, Presque Isle, ME			
	46 ° 39 ' 14.40 " N LAT.			68 ° 2 ' 58.90 " W LONG.
ANTENNA ID:	29	3.7 meters	DH Satellite	3.7m
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital audio
SITE ID:	30			
LOCATION:	N2349 WIBU Road, Columbia, Poynette, WI			
	43 ° 21 ' 39.20 " N LAT.			89 ° 24 ' 11.20 " W LONG.
ANTENNA ID:	30	3.8 meters	Patriot	PRT-380
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital audio
SITE ID:	31			
LOCATION:	6526 Dumont Ave, Orange, Orlando, FL			
	28 ° 28 ' 0.70 " N LAT.			81 ° 22 ' 27.70 " W LONG.
ANTENNA ID:	31	3.7 meters	DH Satellite	3.7m
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital audio
SITE ID:	32			
LOCATION:	24175 SE Hwy 450, Marion, Umatilla, FL			
	28 ° 58 ' 32.10 " N LAT.			81 ° 45 ' 11.80 " W LONG.
ANTENNA ID:	32	3.7 meters	DH Satellite	3.7m
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital audio

SITE ID: 33
 LOCATION: 1765 Block Road, Outagamie, Kaukauna, WI
 44 ° 14 ' 55.00 " N LAT. 88 ° 17 ' 57.10 " W LONG.

ANTENNA ID: 33 3.7 meters DH Satellite 3.7m
 3700.0000 - 4200.0000 MHz 36M0G7W Digital audio

SITE ID: 34
 LOCATION: 1819 Mitchell Ave, Eau Claire, Eau Claire, WI
 44 ° 46 ' 37.80 " N LAT. 91 ° 28 ' 28.90 " W LONG.

ANTENNA ID: 34 3.7 meters DH Satellite 3.7m
 3700.0000 - 4200.0000 MHz 36M0G7W Digital audio

SITE ID: 35
 LOCATION: 7800 Immanuel Road, Kendall, Yorkville, IL
 41 ° 36 ' 22.50 " N LAT. 88 ° 27 ' 13.80 " W LONG.

ANTENNA ID: 35 3.7 meters DH Satellite 3.7m
 3700.0000 - 4200.0000 MHz 36M0G7W Digital audio

SITE ID: 36
 LOCATION: 5050 Highway 13 W, Scott, Savage, MN
 44 ° 46 ' 58.60 " N LAT. 93 ° 20 ' 35.00 " W LONG.

ANTENNA ID: 36 3.7 meters DH Satellite 3.7m
 3700.0000 - 4200.0000 MHz 36M0G7W Digital audio

SITE ID: 37
 LOCATION: 7575 Golden Valley Road, Suite 310, Hennepin, Golden Valley, MN
 44 ° 59 ' 9.00 " N LAT. 93 ° 22 ' 35.30 " W LONG.

ANTENNA ID: 37 3.8 meters Patriot PRT-380
 3700.0000 - 4200.0000 MHz 36M0G7W Digital audio

SITE ID: 38
 LOCATION: 1599 E Hickman Road, Jessamine, Nicholasville, KY
 37 ° 54 ' 26.40 " N LAT. 84 ° 28 ' 40.20 " W LONG.

ANTENNA ID: 38 3.8 meters Patriot PRT-380
 3700.0000 - 4200.0000 MHz 36M0G7W Digital audio

SITE ID: 39
 LOCATION: W7367 County Road ZN, La Crosse, Onalaska, WI
 43 ° 55 ' 26.00 " N LAT. 91 ° 16 ' 13.70 " W LONG.

ANTENNA ID: 39 3.7 meters DH Satellite 3.7m
3700.0000 - 4200.0000 MHz 36M0G7W Digital audio

SITE ID: 40
LOCATION: 2835 Hanson St, Collier, Fort Myers, FL
26 ° 37 ' 23.70 " N LAT. 81 ° 51 ' 16.30 " W LONG.

ANTENNA ID: 40 3.7 meters DH Satellite 3.7m
3700.0000 - 4200.0000 MHz 36M0G7W Digital audio

SITE ID: 41
LOCATION: 1396 Broad Street, Passaic, Clifton, NJ
40 ° 50 ' 57.50 " N LAT. 74 ° 10 ' 55.90 " W LONG.

ANTENNA ID: 41 3.7 meters DH Satellite 3.7m
3700.0000 - 4200.0000 MHz 36M0G7W Digital audio

SITE ID: 42
LOCATION: 1500 S Western Ave, Cook, Chicago, IL
41 ° 51 ' 38.70 " N LAT. 87 ° 41 ' 12.10 " W LONG.

ANTENNA ID: 42 3.7 meters DH Satellite 3.7m
3700.0000 - 4200.0000 MHz 36M0G7W Digital audio

SITE ID: 43
LOCATION: 14200 S Muskegon Ave, Cook, Burnham, IL
41 ° 38 ' 11.80 " N LAT. 87 ° 33 ' 10.60 " W LONG.

ANTENNA ID: 43 3.7 meters DH Satellite 3.7m
3700.0000 - 4200.0000 MHz 36M0G7W Digital audio

SITE ID: 44
LOCATION: 1358 Alpine Drive, Adams, Rome, WI
44 ° 13 ' 22.80 " N LAT. 89 ° 49 ' 46.70 " W LONG.

ANTENNA ID: 44 3.7 meters DH Satellite 3.7m
3700.0000 - 4200.0000 MHz 36M0G7W Digital audio

SITE ID: 45
LOCATION: W223 N3251 Shady Lane, Waukesha, Pewaukee, WI
43 ° 4 ' 37.20 " N LAT. 88 ° 11 ' 29.30 " W LONG.

ANTENNA ID: 45 3.7 meters DH Satellite 3.7m
3700.0000 - 4200.0000 MHz 36M0G7W Digital audio

SITE ID: 46
 LOCATION: 100 John St, Providence, Cumberland, RI
 41 ° 54 ' 21.20 " N LAT. 71 ° 23 ' 56.30 " W LONG.

ANTENNA ID: 46 3.7 meters DH Satellite 3.7m
 3700.0000 - 4200.0000 MHz 36M0G7W Digital audio

SITE ID: 47
 LOCATION: 60 Country Club Road, Lincoln, Boothbay, ME
 43 ° 52 ' 45.30 " N LAT. 69 ° 37 ' 33.00 " W LONG.

ANTENNA ID: 47 3.7 meters DH Satellite 3.7m
 3700.0000 - 4200.0000 MHz 36M0G7W Digital audio

SITE ID: 48
 LOCATION: Skyline Drive, Bergen, Wanaque, NJ
 41 ° 3 ' 28.30 " N LAT. 74 ° 14 ' 59.00 " W LONG.

ANTENNA ID: 48 3.7 meters DH Satellite 3.7m
 3700.0000 - 4200.0000 MHz 36M0G7W Digital audio

SITE ID: 49
 LOCATION: 5000 Chase St, Lake, Gary, IN
 41 ° 31 ' 40.70 " N LAT. 87 ° 22 ' 34.20 " W LONG.

ANTENNA ID: 49 3.7 meters DH Satellite 3.7m
 3700.0000 - 4200.0000 MHz 36M0G7W Digital audio

SITE ID: 50
 LOCATION: 369 N Pemberton Rd, Burlington, Pemberton, NJ
 39 ° 59 ' 49.70 " N LAT. 74 ° 43 ' 14.90 " W LONG.

ANTENNA ID: 50 3.7 meters DH Satellite 3.7m
 3700.0000 - 4200.0000 MHz 36M0G7W Digital audio

SITE ID: 51
 LOCATION: 3910 N Lakeland Road, Ozaukee, Saukville, WI
 43 ° 25 ' 11.80 " N LAT. 87 ° 59 ' 38.70 " W LONG.

ANTENNA ID: 51 3.8 meters Patriot PRT-380
 3700.0000 - 4200.0000 MHz 36M0G7W Digital audio

SITE ID: 52
 LOCATION: 282 Foss Hill Road, Penobscot, Garland, ME
 45 ° 3 ' 24.10 " N LAT. 69 ° 11 ' 26.80 " W LONG.

ANTENNA ID:	52	3.7 meters	DH Satellite	3.7m
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital audio
SITE ID:	53			
LOCATION:	18 Eagles Nest Rd, Cumberland, Gray, ME			
	43 ° 51 ' 6.10 " N LAT.			70 ° 19 ' 38.70 " W LONG.
ANTENNA ID:	53	3.7 meters	DH Satellite	3.7m
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital audio
SITE ID:	54			
LOCATION:	E4165 Eau Claire River Road, Marathon, Aniwa, WI			
	44 ° 59 ' 50.00 " N LAT.			89 ° 22 ' 7.50 " W LONG.
ANTENNA ID:	54	3.7 meters	DH Satellite	3.7m
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital audio
SITE ID:	55			
LOCATION:	329 Ingraham Mountain Road, Kennebec, Augusta, ME			
	44 ° 21 ' 7.00 " N LAT.			69 ° 39 ' 28.60 " W LONG.
ANTENNA ID:	55	3.7 meters	DH Satellite	3.7m
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital audio

Points of Communication:

- 1 - PERMITTED LIST - ()
- 10 - PERMITTED LIST - ()
- 11 - PERMITTED LIST - ()
- 12 - PERMITTED LIST - ()
- 13 - PERMITTED LIST - ()
- 14 - PERMITTED LIST - ()
- 15 - PERMITTED LIST - ()
- 16 - PERMITTED LIST - ()
- 17 - PERMITTED LIST - ()
- 18 - PERMITTED LIST - ()
- 19 - PERMITTED LIST - ()
- 2 - PERMITTED LIST - ()
- 20 - PERMITTED LIST - ()

21 - PERMITTED LIST - ()
22 - PERMITTED LIST - ()
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40 - PERMITTED LIST - ()
41 - PERMITTED LIST - ()
42 - PERMITTED LIST - ()
43 - PERMITTED LIST - ()
44 - PERMITTED LIST - ()
45 - PERMITTED LIST - ()
46 - PERMITTED LIST - ()
47 - PERMITTED LIST - ()
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49 - PERMITTED LIST - ()

5 - PERMITTED LIST - ()

50 - PERMITTED LIST - ()

51 - PERMITTED LIST - ()

52 - PERMITTED LIST - ()

53 - PERMITTED LIST - ()

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6 - PERMITTED LIST - ()

7 - PERMITTED LIST - ()

8 - PERMITTED LIST - ()

9 - PERMITTED LIST - ()

SES-REG-20181017-06744 E E201362 TDS BROADBAND SERVICE LLC

Registration

10/17/2018 - 10/17/2033

Grant of Authority

Date Effective: 07/14/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: FTCRCCM

LOCATION: Titus Blvd - Signal Hill; Ft Carson Army, Colorado Springs, CO

38 ° 43 ' 37.44 " N LAT.

104 ° 46 ' 45.63 " W LONG.

ANTENNA ID: 1 3.8 meters Patriot Unknown

3700.0000 - 4200.0000 MHz n/a

ANTENNA ID: 2 4.5 meters Scientific Atlanta Unknown

3700.0000 - 4200.0000 MHz n/a

ANTENNA ID: 3 4.5 meters Scientific Atlanta Unknown

3700.0000 - 4200.0000 MHz n/a

ANTENNA ID: 4 3 meters Scientific Atlanta Unknown

3700.0000 - 4200.0000 MHz n/a

ANTENNA ID: 5 3.8 meters Patriot Unknown

3700.0000 - 4200.0000 MHz n/a

Points of Communication:

FTCRCOCM - PERMITTED LIST - ()

SES-REG-20181017-06784 E E201408 Scott Telecom and Electronics, Inc.
Registration 10/17/2018 - 10/17/2033
Grant of Authority Date Effective: 07/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: STE - 1
LOCATION: 939 Red Hill Rd, Scott, Gate City, VA
36 ° 38 ' 32.37 " N LAT. 82 ° 34 ' 41.08 " W LONG.

ANTENNA ID: STE - 1 5 meters ATCI Simulsat 5
3700.0000 - 4200.0000 MHz 36M0G7W C band

Points of Communication:

STE - 1 - PERMITTED LIST - ()

SES-REG-20181017-06831 E E201449 Actualidad Key Largo FM Licensee, LLC
Registration 10/17/2018 - 10/17/2033
Grant of Authority Date Effective: 07/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: WURN-FM SITE
LOCATION: 54400 S. Dixie Highway, MIAMI-DADE, HOMESTEAD, FL
25 ° 16 ' 1.00 " N LAT. 80 ° 26 ' 15.00 " W LONG.

ANTENNA ID: WURN-FM 3.8 meters DH 3.8
3700.0000 - 4200.0000 MHz 36M0G7W

Points of Communication:

WURN-FM SITE - PERMITTED LIST - ()

SES-REG-20181017-06890 E E201504 Entercom License, LLC
Registration 10/17/2018 - 10/17/2033
Grant of Authority Date Effective: 07/14/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
 LOCATION: 174 CHALMERS DR, FULTON, ATLANTA, GA
 33 ° 45 ' 37.50 " N LAT. 84 ° 28 ' 39.30 " W LONG.

ANTENNA ID: 1 3.7 meters GENERAL DYNAMICS GD SATCOM P370
 3700.0000 - 4200.0000 MHz 36M0G7W AUDIO

SITE ID: 2
 LOCATION: 4131 NORTH CENTRAL EXPRESSWAY, DALLAS, DALLAS, TX
 32 ° 48 ' 54.00 " N LAT. 96 ° 47 ' 25.00 " W LONG.

ANTENNA ID: 2 3.7 meters PRODELIN 1374
 3700.0000 - 4200.0000 MHz 36M0G7W AUDIO

SITE ID: 3
 LOCATION: 20 GUEST STREET 3RD FLOOR, SUFFOLK, BRIGHTON, MA
 42 ° 21 ' 27.00 " N LAT. 71 ° 8 ' 47.20 " W LONG.

ANTENNA ID: 3 3.8 meters COMTECH COMTECH 3.8 M EL/AZ
 3700.0000 - 4200.0000 MHz 36M0G7W AUDIO

SITE ID: 4
 LOCATION: 83 LEO BIRMINGHAM PARKWAY, SUFFOLK, BRIGHTON, MA
 42 ° 21 ' 33.00 " N LAT. 71 ° 8 ' 54.00 " W LONG.

ANTENNA ID: 4 3.8 meters COMTECH COMTECH 3.8 M EL/AZ
 3700.0000 - 4200.0000 MHz 36M0G7W AUDIO

SITE ID: 5
 LOCATION: 1423 CLARKVIEW ROAD SUITE 100, BALTIMORE, BALTIMORE, MD
 39 ° 22 ' 46.90 " N LAT. 76 ° 39 ' 22.90 " W LONG.

ANTENNA ID: 5 3 meters WINEGARD PINNACLE
 3700.0000 - 4200.0000 MHz 36M0G7W AUDIO

SITE ID: 6
 LOCATION: 181 MORELAND ST, WORCESTER, WORCESTER, MA
 42 ° 17 ' 23.00 " N LAT. 71 ° 50 ' 42.00 " W LONG.

ANTENNA ID: 6 3.8 meters COMTECH COMTECH 3.8 M EL/AZ
 3700.0000 - 4200.0000 MHz 36M0G7W AUDIO

SITE ID: 7
 LOCATION: 7413 OLD LEE HIGHWAY, HAMILTON, CHATTANOOGA, TN
 35 ° 3 ' 38.40 " N LAT. 85 ° 7 ' 40.20 " W LONG.

ANTENNA ID:	7	3.9 meters	HARRIS	DELTA GAIN
	3700.0000 - 4200.0000 MHz		36M0G7W	AUDIO
SITE ID:	8			
LOCATION:	180 N. STETSON SUITE 1000, COOK, CHICAGO, IL			
	41 ° 53 ' 5.00 " N LAT.			87 ° 37 ' 23.00 " W LONG.
ANTENNA ID:	8	3.8 meters	COMTECH	UNAVAILABLE
	3700.0000 - 4200.0000 MHz		36M0G7W	AUDIO
SITE ID:	9			
LOCATION:	180 N. STETSON SUITE 1000, COOK, CHICAGO, IL			
	41 ° 56 ' 17.00 " N LAT.			87 ° 45 ' 3.00 " W LONG.
ANTENNA ID:	9	3.9 meters	NOT AVAILABLE	NOT AVAILABLE
	3700.0000 - 4200.0000 MHz		36M0G7W	AUDIO
SITE ID:	10			
LOCATION:	9466 RIDGE ROAD, CUYAHOGA, NORTH ROYALTON, OH			
	41 ° 20 ' 28.50 " N LAT.			81 ° 44 ' 21.10 " W LONG.
ANTENNA ID:	10	3.9 meters	GENERAL DYNAMICS	NOT AVAILABLE
	3700.0000 - 4200.0000 MHz		36M0G7W	AUDIO
SITE ID:	11			
LOCATION:	9466 RIDGE ROAD, CUYAHOGA, NORTH ROYALTON, OH			
	41 ° 20 ' 28.70 " N LAT.			81 ° 44 ' 21.30 " W LONG.
ANTENNA ID:	11	3.8 meters	DH	38DH1
	3700.0000 - 4200.0000 MHz		36M0G7W	AUDIO
SITE ID:	12			
LOCATION:	4800 E COUNTY LINE ROAD, DOUGLAS, HIGHLANDS RANCH, CO			
	39 ° 33 ' 47.11 " N LAT.			104 ° 55 ' 48.52 " W LONG.
ANTENNA ID:	12	3.7 meters	VIKING	VS-370P-3C-PKG
	3700.0000 - 4200.0000 MHz		36M0G7W	AUDIO
SITE ID:	13			
LOCATION:	2201 WOODWARD HEIGHTS, OAKLAND, FERNDALE, MI			
	42 ° 28 ' 8.54 " N LAT.			83 ° 6 ' 55.86 " W LONG.
ANTENNA ID:	13	2.8 meters	SCIENTIFIC ATLANTA	9000
	3700.0000 - 4200.0000 MHz		36M0G7W	AUDIO

SITE ID: 14
 LOCATION: 180 N. STETSON SUITE 1000, COOK, CHICAGO, IL
 41 ° 59 ' 22.90 " N LAT. 88 ° 1 ' 48.95 " W LONG.

ANTENNA ID: 14 5 meters COMTECH 5M
 3700.0000 - 4200.0000 MHz 36M0G7W AUDIO

SITE ID: 15
 LOCATION: 9880 HAGGERMAN ROAD, MONROE, BERLIN, MI
 42 ° 1 ' 14.21 " N LAT. 83 ° 14 ' 22.21 " W LONG.

ANTENNA ID: 15 3.8 meters COMTECH 829066-G2RC
 3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 16
 LOCATION: 26455 AMERICAN DRIVE, OAKLAND, SOUTHFIELD, MI
 42 ° 29 ' 20.22 " N LAT. 83 ° 18 ' 16.51 " W LONG.

ANTENNA ID: 16 3.8 meters COMTECH 829066-G2RC
 3700.0000 - 4200.0000 MHz 36M0G7W AUDIO

SITE ID: 17
 LOCATION: 3600 NW 43RD ST SUITE B, ALACHUA, GAINESVILLE, FL
 29 ° 42 ' 36.30 " N LAT. 82 ° 23 ' 41.80 " W LONG.

ANTENNA ID: 17 0 meters NOT AVAILABLE NOT AVAILABLE
 3700.0000 - 4200.0000 MHz 36M0G7W AUDIO

SITE ID: 18
 LOCATION: 7819 NATIONAL SERVICE ROAD, GUILFORD, GREENSBORO, NC
 36 ° 4 ' 44.20 " N LAT. 79 ° 57 ' 48.30 " W LONG.

ANTENNA ID: 18 3 meters CHAPARRAL 3.0M MESH DISH
 3700.0000 - 4200.0000 MHz 36M0G7W AUDIO

SITE ID: 19
 LOCATION: 7819 NATIONAL SERVICE ROAD, GUILFORD, GREENSBORO, NC
 36 ° 4 ' 58.00 " N LAT. 79 ° 58 ' 0.07 " W LONG.

ANTENNA ID: 19 3.1 meters PATRIOT 3.1M COMMERCIAL ANT
 3700.0000 - 4200.0000 MHz 36M0G7W AUDIO

SITE ID: 20
 LOCATION: 25 GARLINGTON ROAD, GREENVILLE, GREENVILLE, SC
 34 ° 49 ' 38.30 " N LAT. 82 ° 17 ' 38.30 " W LONG.

ANTENNA ID: 20 3.8 meters PATRIOT PRT-380
 3700.0000 - 4200.0000 MHz 36M0G7W AUDIO

SITE ID: 21
 LOCATION: 25 GARLINGTON ROAD, GREENVILLE, GREENVILLE, SC
 34 ° 49 ' 38.30 " N LAT. 82 ° 17 ' 38.30 " W LONG.

ANTENNA ID: 21 3.8 meters COMTECH 829066-G2RC
 3700.0000 - 4200.0000 MHz 36M0G7W AUDIO

SITE ID: 22
 LOCATION: 375 DEERCLIFF ROAD, HARTFORD, AVON, CT
 41 ° 46 ' 31.00 " N LAT. 72 ° 48 ' 18.00 " W LONG.

ANTENNA ID: 22 3.7 meters DAWNCO D37F48-4PC-5.5
 3700.0000 - 4200.0000 MHz 36M0G7W AUDIO

SITE ID: 23
 LOCATION: 10 EXECUTIVE DRIVE, HARTFORD, FARMINGTON, CT
 41 ° 41 ' 58.00 " N LAT. 72 ° 51 ' 27.00 " W LONG.

ANTENNA ID: 23 3.7 meters COMTECH NOT AVAILABLE
 3700.0000 - 4200.0000 MHz 36M0G7W AUDIO

SITE ID: 24
 LOCATION: 11920 HESPERIA, SAN BERNARDINO, HESPERIA, CA
 34 ° 28 ' 3.90 " N LAT. 117 ° 17 ' 35.10 " W LONG.

ANTENNA ID: 24 0 meters NOT AVAILABLE NOT AVAILABLE
 3700.0000 - 4200.0000 MHz 36M0G7W AUDIO

SITE ID: 25
 LOCATION: 24 GREENWAY PLAZA, HARRIS, HOUSTON, TX
 29 ° 43 ' 52.00 " N LAT. 95 ° 26 ' 25.00 " W LONG.

ANTENNA ID: 25 3.8 meters COMTECH 934D0015-G2
 3700.0000 - 4200.0000 MHz 36M0G7W AUDIO

SITE ID: 26
 LOCATION: 24 GREENWAY PLAZA, HARRIS, HOUSTON, TX
 29 ° 43 ' 52.00 " N LAT. 95 ° 26 ' 25.00 " W LONG.

ANTENNA ID: 26 3.7 meters GENERAL DYNAMICS 1374
 3700.0000 - 4200.0000 MHz 36M0G7W AUDIO

SITE ID: 27
 LOCATION: 9245 N MERIDIAN STREET, MARION, INDIANAPOLIS, IN
 39 ° 55 ' 21.10 " N LAT. 86 ° 9 ' 25.90 " W LONG.

ANTENNA ID: 27 3.8 meters COMTECH 934D0015-G2
 3700.0000 - 4200.0000 MHz 36M0G7W AUDIO

SITE ID: 28
 LOCATION: 7000 SQUIBB ROAD, JOHNSON, MISSION, KS
 39 ° 0 ' 59.10 " N LAT. 94 ° 39 ' 59.50 " W LONG.

ANTENNA ID: 28 3.8 meters COMTECH 3.8
 3700.0000 - 4200.0000 MHz 36M0G7W AUDIO

SITE ID: 29
 LOCATION: 7000 SQUIBB ROAD, JOHNSON, MISSION, KS
 39 ° 0 ' 59.10 " N LAT. 94 ° 39 ' 59.50 " W LONG.

ANTENNA ID: 29 3.8 meters COMTECH 3.8
 3700.0000 - 4200.0000 MHz 36M0G7W AUDIO

SITE ID: 30
 LOCATION: 7000 SQUIBB ROAD, JOHNSON, MISSION, KS
 39 ° 4 ' 20.00 " N LAT. 94 ° 40 ' 57.30 " W LONG.

ANTENNA ID: 30 3.8 meters COMTECH 3.8
 3700.0000 - 4200.0000 MHz 36M0G7W AUDIO

SITE ID: 31
 LOCATION: 7255 SOUTH TENAYA WAY #100, CLARK, LAS VEGAS, NV
 36 ° 3 ' 25.20 " N LAT. 115 ° 15 ' 9.60 " W LONG.

ANTENNA ID: 31 3.8 meters PRODELIN 1383
 3700.0000 - 4200.0000 MHz 36M0G7W AUDIO

SITE ID: 32
 LOCATION: 567- WILSHIRE BOULEVARD 200, LOS ANGELES, LOS ANGELES, CA
 34 ° 3 ' 41.80 " N LAT. 118 ° 21 ' 6.90 " W LONG.

ANTENNA ID: 32 3.8 meters PATRIOT 3.8M
 3700.0000 - 4200.0000 MHz 36M0G7W AUDIO

SITE ID: 33
 LOCATION: 1835 MORIAH WOODS #1, SHELBY, MEMPHIS, TN
 35 ° 4 ' 56.00 " N LAT. 89 ° 53 ' 55.00 " W LONG.

ANTENNA ID:	33	3.7 meters	DH ANTENNA	DH 37FAE
	3700.0000 - 4200.0000 MHz		36M0G7W	AUDIO
SITE ID:	34			
LOCATION:	194 NW 187TH ST, MIAMI DADE, MIAMI GARDENS, FL			
	25 ° 56 ' 44.50 " N LAT.		80 ° 12 ' 13.20 " W LONG.	
ANTENNA ID:	34	3.81 meters	COMTECH	934D0015-G1
	3700.0000 - 4200.0000 MHz		36M0G7W	AUDIO
SITE ID:	35			
LOCATION:	11800 W. GRANGE AVE, MILWAUKEE, HALES CORNERS, WI			
	42 ° 56 ' 44.10 " N LAT.		88 ° 3 ' 39.90 " W LONG.	
ANTENNA ID:	35	3.8 meters	COMTECH	934D0015-G2
	3700.0000 - 4200.0000 MHz		36M0G7W	AUDIO
SITE ID:	36			
LOCATION:	400 POYDRAS ST SUITE 800, ORLEANS PARISH, NEW ORLEANS, LA			
	29 ° 56 ' 52.22 " N LAT.		90 ° 4 ' 4.64 " W LONG.	
ANTENNA ID:	36	3.8 meters	PATRIOT	PATRIOT 3.8M
	3700.0000 - 4200.0000 MHz		36M0G7W	AUDIO
SITE ID:	37			
LOCATION:	236 CLEARFIELD AVE, VIRGINIA BEACH, VIRGINIA BEACH, VA			
	36 ° 50 ' 44.88 " N LAT.		76 ° 9 ' 50.05 " W LONG.	
ANTENNA ID:	37	3.1 meters	PATRIOT	AZ-EL
	3700.0000 - 4200.0000 MHz		36M0G7W	AUDIO
SITE ID:	38			
LOCATION:	1800 PEMBROOK DRIVE SUITE 400, ORANGE, ORLANDO, FL			
	28 ° 37 ' 55.28 " N LAT.		81 ° 24 ' 6.57 " W LONG.	
ANTENNA ID:	38	3.8 meters	COMTECH	829066-G2RC
	3700.0000 - 4200.0000 MHz		36M0G7W	AUDIO
SITE ID:	39			
LOCATION:	2100 TAQUITZ CANYON, RIVERSIDE, PALM SPRINGS, CA			
	33 ° 49 ' 24.00 " N LAT.		116 ° 31 ' 24.00 " W LONG.	
ANTENNA ID:	39	3.7 meters	NOT AVAILABLE	NOT AVAILABLE
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW AUDIO

SITE ID: 40
LOCATION: 400 MARKET STREET, PHILADELPHIA, PHILADELPHIA, PA
39 ° 57 ' 0.40 " N LAT. 75 ° 8 ' 51.60 " W LONG.

ANTENNA ID: 40 3.4 meters COMTECH NOT AVAILABLE
3700.0000 - 4200.0000 MHz 36M0G7W AUDIO

SITE ID: 41
LOCATION: 345 HUDSON STREET, NEW YORK, NEW YORK, NY
40 ° 43 ' 39.30 " N LAT. 74 ° 0 ' 26.50 " W LONG.

ANTENNA ID: 41 3.8 meters TRUE FOCUS 4P12.5-S
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW AUDIO

SITE ID: 42
LOCATION: 555 CITY AVENUE SUITE330, MONTGOMERY, BALA CYNWYD, PA
40 ° 0 ' 34.30 " N LAT. 75 ° 12 ' 43.80 " W LONG.

ANTENNA ID: 42 3 meters ANDERSON TRUE FOCUS
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW AUDIO

SITE ID: 43
LOCATION: 1555 HAMILTON ST, PHILADELPHIA, PHILADELPHIA, PA
39 ° 57 ' 44.40 " N LAT. 75 ° 9 ' 51.50 " W LONG.

ANTENNA ID: 43 3.1 meters PATRIOT PRT-310AZ
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW AUDIO

SITE ID: 44
LOCATION: 651 HOLIDAY DRIVE, ALLEGHENY, PITTSBURGH, PA
40 ° 25 ' 19.64 " N LAT. 80 ° 3 ' 39.70 " W LONG.

ANTENNA ID: 44 4.2 meters COMSAT D42
3700.0000 - 4200.0000 MHz 36M0G7W AUDIO

SITE ID: 45
LOCATION: 651 HOLIDAY DRIVE, ALLEGHENY, PITTSBURGH, PA
40 ° 25 ' 19.45 " N LAT. 80 ° 3 ' 39.50 " W LONG.

ANTENNA ID: 45 4.2 meters COMSAT D42
3700.0000 - 4200.0000 MHz 36M0G7W AUDIO

SITE ID: 46
LOCATION: 0700 BANCROFT ST, MULTNOMAH, PORTLAND, OR
45 ° 29 ' 32.20 " N LAT. 122 ° 40 ' 13.40 " W LONG.

ANTENNA ID:	46	3.8 meters	NOT AVAILABLE	NOT AVAILABLE
	3700.0000 - 4200.0000 MHz		36M0G7W	AUDIO
SITE ID:	47			
LOCATION:	3245 BAISE ROAD, HENRICO, HENRICO, VA			
	37 ° 36 ' 51.50 " N LAT.			77 ° 30 ' 51.90 " W LONG.
ANTENNA ID:	47	4.1 meters	COMTECH	OFFSET
	3700.0000 - 4200.0000 MHz		36M0G7W	AUDIO
SITE ID:	48			
LOCATION:	900 E. WASHINGTON SUITE 315, SAN BERNARDINO, COLTON, CA			
	34 ° 2 ' 49.70 " N LAT.			117 ° 18 ' 46.10 " W LONG.
ANTENNA ID:	48	3.7 meters	NOT AVAILABLE	NOT AVAILABLE
	3700.0000 - 4200.0000 MHz		36M0G7W	AUDIO
SITE ID:	49			
LOCATION:	70 COMMERCIAL STREET, MONROE, ROCHESTER, NY			
	43 ° 9 ' 36.45 " N LAT.			77 ° 36 ' 56.43 " W LONG.
ANTENNA ID:	49	3.8 meters	CHALLENGER	PRIMEFOCUS CHA380STD
	3700.0000 - 4200.0000 MHz		36M0G7W	AUDIO
SITE ID:	50			
LOCATION:	5345 MADISON AVENUE, SACRAMENTO, SACRAMENTO, CA			
	38 ° 39 ' 40.43 " N LAT.			121 ° 20 ' 21.77 " W LONG.
ANTENNA ID:	50	3.7 meters	PRODELIN	1374
	3700.0000 - 4200.0000 MHz		36M0G7W	AUDIO
SITE ID:	51			
LOCATION:	865 BATTERY STREET, SAN FRANCISCO, SAN FRANCISCO, CA			
	37 ° 47 ' 56.10 " N LAT.			122 ° 24 ' 4.80 " W LONG.
ANTENNA ID:	51	3.7 meters	PATRIOT	NOT AVAILABLE
	3700.0000 - 4200.0000 MHz		36M0G7W	
SITE ID:	52			
LOCATION:	800 5TH AVENUE STE 1400, KING, SEATTLE, WA			
	47 ° 36 ' 20.60 " N LAT.			122 ° 19 ' 50.30 " W LONG.
ANTENNA ID:	52	3.8 meters	NOT AVAILABLE	NOT AVAILABLE
	3700.0000 - 4200.0000 MHz		36M0G7W	AUDIO

SITE ID: 53
LOCATION: 7555 MACKENZIE ROAD, ST LOUIS, AFFTON, MO
38 ° 34 ' 27.90 " N LAT. 90 ° 19 ' 31.90 " W LONG.

ANTENNA ID: 53 3.7 meters DAWNCO D37F48-4PC-5.5
3700.0000 - 4200.0000 MHz 36M0G7W AUDIO

SITE ID: 54
LOCATION: 9111 EAST DOUGLAS AVE, SEDGWICK, WICHITA, KS
37 ° 41 ' 1.80 " N LAT. 97 ° 13 ' 55.30 " W LONG.

ANTENNA ID: 54 3.8 meters PRODELIN 1383
3700.0000 - 4200.0000 MHz 36M0G7W AUDIO

SITE ID: 55
LOCATION: 305 HIGHWAY 315, LUZERNE, PITTSTON, PA
41 ° 18 ' 22.40 " N LAT. 75 ° 45 ' 43.80 " W LONG.

ANTENNA ID: 55 3 meters SCIENTIFIC ATLANTA 9000
3700.0000 - 4200.0000 MHz 36M0G7W AUDIO

SITE ID: 56
LOCATION: 4480 HWY 162, MADISON, PONTOON BEACH, IL
38 ° 43 ' 25.01 " N LAT. 90 ° 3 ' 22.56 " W LONG.

ANTENNA ID: 56 3.7 meters DAWNCO D37F48-4PC-5.5
3700.0000 - 4200.0000 MHz 36M0G7W AUDIO

Points of Communication:

- 1 - PERMITTED LIST - ()
- 10 - PERMITTED LIST - ()
- 11 - PERMITTED LIST - ()
- 12 - PERMITTED LIST - ()
- 13 - PERMITTED LIST - ()
- 14 - PERMITTED LIST - ()
- 15 - PERMITTED LIST - ()
- 16 - PERMITTED LIST - ()
- 17 - PERMITTED LIST - ()
- 18 - PERMITTED LIST - ()
- 19 - PERMITTED LIST - ()

2 - PERMITTED LIST - ()
20 - PERMITTED LIST - ()
21 - PERMITTED LIST - ()
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24 - PERMITTED LIST - ()
25 - PERMITTED LIST - ()
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27 - PERMITTED LIST - ()
28 - PERMITTED LIST - ()
29 - PERMITTED LIST - ()
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30 - PERMITTED LIST - ()
31 - PERMITTED LIST - ()
32 - PERMITTED LIST - ()
33 - PERMITTED LIST - ()
34 - PERMITTED LIST - ()
35 - PERMITTED LIST - ()
36 - PERMITTED LIST - ()
37 - PERMITTED LIST - ()
38 - PERMITTED LIST - ()
39 - PERMITTED LIST - ()
4 - PERMITTED LIST - ()
40 - PERMITTED LIST - ()
41 - PERMITTED LIST - ()
42 - PERMITTED LIST - ()
43 - PERMITTED LIST - ()
44 - PERMITTED LIST - ()
45 - PERMITTED LIST - ()
46 - PERMITTED LIST - ()

- 47 - PERMITTED LIST - ()
- 48 - PERMITTED LIST - ()
- 49 - PERMITTED LIST - ()
- 5 - PERMITTED LIST - ()
- 50 - PERMITTED LIST - ()
- 51 - PERMITTED LIST - ()
- 52 - PERMITTED LIST - ()
- 53 - PERMITTED LIST - ()
- 54 - PERMITTED LIST - ()
- 55 - PERMITTED LIST - ()
- 56 - PERMITTED LIST - ()
- 6 - PERMITTED LIST - ()
- 7 - PERMITTED LIST - ()
- 8 - PERMITTED LIST - ()
- 9 - PERMITTED LIST - ()

SES-REG-20181017-06942	E E201557	Red Wolf Broadcasting	10/17/2018 - 10/17/2033
Registration			Date Effective: 07/13/2020
Grant of Authority			

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Ledyard
 LOCATION: 758 Colonel Ledyard Hwy, New London, Ledyard, CT
 41 ° 26 ' 40.80 " N LAT. 72 ° 1 ' 2.40 " W LONG.

ANTENNA ID:	Ant 2	3.8 meters	Comtech	3.8M EL/AZ
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Audio Signals

Points of Communication:

Ledyard - PERMITTED LIST - ()

SES-REG-20181017-06953	E E201569	Southern Stone Communications, LLC	10/17/2018 - 10/17/2033
Registration			Date Effective: 07/08/2020
Grant of Authority			

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Site 1

LOCATION: 1555 The Boardwalk, Madison, Huntsville, AL
34 ° 44 ' 27.70 " N LAT.

86 ° 39 ' 25.20 " W LONG.

ANTENNA ID: 1 3.8 meters COMTECH 829066-T2RC

3700.0000 - 4200.0000 MHz 36M0F8F

Points of Communication:

Site 1 - PERMITTED LIST - ()

SES-REG-20181017-06954 E E201570 Southern Stone Communications, LLC

Registration

10/17/2018 - 10/17/2033

Grant of Authority

Date Effective: 07/08/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Site 1

LOCATION: 111 W. Main St., Madison, Jackson, TN
35 ° 36 ' 53.40 " N LAT.

88 ° 49 ' 12.80 " W LONG.

ANTENNA ID: 1 3.8 meters Comtech 829066-G2RC

3700.0000 - 4200.0000 MHz 36M0F8F 0.00 dBW Analog

Points of Communication:

Site 1 - PERMITTED LIST - ()

SES-REG-20181017-06956 E E201572 LifeTalk Radio, Inc.

Registration

10/17/2018 - 10/17/2033

Grant of Authority

Date Effective: 07/08/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Silver Spring

LOCATION: 12501 Old Columbia Pike, Montgomery County, Silver Spring, MD
39 ° 3 ' 37.40 " N LAT.

76 ° 57 ' 57.90 " W LONG.

ANTENNA ID: LT1 3.7 meters DH Satellite 37DH4

3700.0000 - 4200.0000 MHz 36M0G7W Audio and Video

Points of Communication:

Silver Spring - PERMITTED LIST - ()

SES-REG-20181017-06957 E E201573 North Shore Broadcasting Company, Inc.
Registration 10/17/2018 - 10/17/2033
Grant of Authority Date Effective: 07/08/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Hammond Main
LOCATION: 200 East Thomas St, Tangipahoa, Hammond, LA
30 ° 30 ' 32.00 " N LAT. 90 ° 30 ' 18.00 " W LONG.

ANTENNA ID: ANT 1 3.05 meters C/M RO 3.05
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW DIGITAL VIDEO AUDIO DATA

Points of Communication:

Hammond Main - PERMITTED LIST - ()

SES-REG-20181017-06958 E E201574 Tongue River Communications
Registration 10/17/2018 - 10/17/2033
Grant of Authority Date Effective: 07/08/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Story WY HE
LOCATION: 19 1/2 North Piney Rd, Sheridan, Story, WY
44 ° 34 ' 29.00 " N LAT. 106 ° 53 ' 23.00 " W LONG.

ANTENNA ID: Story 1 3.7 meters Prodelin Unk
3700.0000 - 4200.0000 MHz 36M0G7W

ANTENNA ID: Story 2 3.7 meters Prodelin Unk
3700.0000 - 4200.0000 MHz 36M0G7W

ANTENNA ID: Story 3 3.8 meters Comtech Unk
3700.0000 - 4200.0000 MHz 36M0G7W

ANTENNA ID: Story 4 4.6 meters Scientific Atlanta Unk
3700.0000 - 4200.0000 MHz 36M0G7W

Points of Communication:

Story WY HE - PERMITTED LIST - ()

SES-REG-20181017-06962 E E201579 Sangre de Cristo Broadcasting Co. Inc.
Registration 10/17/2018 - 10/17/2033
Grant of Authority Date Effective: 07/08/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 304 South Grand Ave., San Miguel, Las Vegas, NM
35 ° 34 ' 46.80 " N LAT. 103 ° 13 ' 3.00 " W LONG.

ANTENNA ID: 4.0M 4 meters Comtech 4.0M
3700.0000 - 4200.0000 MHz 36M0G7W Digital traffic, various FEC, data rates and modulations

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181017-06995 E E201603 Telecinco Inc
Registration 10/17/2018 - 10/17/2033
Grant of Authority Date Effective: 07/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: WORA-Studio
LOCATION: 449 Gonzalez Clemente Ave Bo. Guanajibo, Mayaguez, PR
18 ° 10 ' 55.00 " N LAT. 67 ° 10 ' 7.50 " W LONG.

ANTENNA ID: 45DH8 4.5 meters DH Satellite Gibraltar
3700.0000 - 4200.0000 MHz 36M0G7W Digital Data, Video and Audio

ANTENNA ID: 37DH4 3.7 meters DH Satellite Gibraltar
3700.0000 - 4200.0000 MHz 36M0G7W Digital Data, Video and Audio

Points of Communication:

WORA-Studio - PERMITTED LIST - ()

SES-REG-20181017-07025 E E201633 San Mateo County Community College District
Registration 10/17/2018 - 10/17/2033
Grant of Authority Date Effective: 07/08/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: KCSM FM
LOCATION: 1700 W Hillsdale Blvd building 9, San Mateo, San Mateo, CA
37 ° 32 ' 8.00 " N LAT. 122 ° 20 ' 5.03 " W LONG.

ANTENNA ID: KCSM-1 3.8 meters Comtech C38DA-NOCTRL-4CKPOT
3700.0000 - 4200.0000 MHz 3G70W9W DVB-S2 modulation, audio and video

Points of Communication:

KCSM FM - GALAXY 16 (S2687) - (99 W.L.)

KCSM FM - PERMITTED LIST - ()

SES-REG-20181017-07028 E E201636 Reserve Long Distance d/b/a Reserve Telecommunications
Registration 10/17/2018 - 10/17/2033
Grant of Authority Date Effective: 07/14/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Reserve
LOCATION: 100 RTC Dr, St. John the Baptist, Reserve, LA
30 ° 3 ' 57.70 " N LAT. 90 ° 33 ' 36.30 " W LONG.

ANTENNA ID: SA45 4.5 meters SA 8345pf
3700.0000 - 4200.0000 MHz 36M0F8F 0.00 dBW Digital Video

ANTENNA ID: SA37 3.7 meters SA 9037
3700.0000 - 4200.0000 MHz 36M0F8F 0.00 dBW Digital Video

Points of Communication:

Reserve - PERMITTED LIST - ()

SES-REG-20181017-07029 E E201637 Donze Communications, Inc.
Registration 10/17/2018 - 10/17/2033
Grant of Authority Date Effective: 07/08/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: KSGM Studio
LOCATION: 21851 White Sands Rd., Ste. Genevieve, Ste. Genevieve, MO
37 ° 59 ' 35.80 " N LAT. 90 ° 3 ' 32.70 " W LONG.

ANTENNA ID: KSGM Main 3.07 meters Wineguard Perfect 10
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital audio and data subcarriers

Points of Communication:

KSGM Studio - PERMITTED LIST - ()

SES-REG-20181017-07037 E E201645 Charles W Dowdy
Registration 10/17/2018 - 10/17/2033
Grant of Authority Date Effective: 07/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: McComb Studio
LOCATION: 206 N Front Street, Pike, McComb, MS
31 ° 14 ' 46.00 " N LAT. 90 ° 27 ' 8.00 " W LONG.

ANTENNA ID: ANT FRM 3.7 meters Prodelin 12FT
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW

Points of Communication:

McComb Studio - PERMITTED LIST - ()

SES-REG-20181017-07039 E E201647 Skyview Satellite Networks
Registration 10/17/2018 - 10/17/2033
Grant of Authority Date Effective: 07/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Scottsdale NOC
LOCATION: 14605 N AIRPORT DR STE 365 14605 N AIRPORT DR STE 365, Maricopa, SCOTTSDALE, AZ
33 ° 37 ' 2.50 " N LAT. 111 ° 55 ' 13.00 " W LONG.

ANTENNA ID: NOC1 3.7 meters DH Satellite 3.7 M AzEl
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW QPSK DVB-S Video, Audio and Data

Points of Communication:

Scottsdale NOC - PERMITTED LIST - ()

SES-REG-20181017-07042 E E201650 COASTAL BROADCASTING OF LAROSE, INC.
Registration 10/17/2018 - 10/17/2033
Grant of Authority Date Effective: 07/08/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Site 1
LOCATION: 11603 Hwy 308, Lafourche, Larose, LA
29 ° 34 ' 37.60 " N LAT. 90 ° 23 ' 54.60 " W LONG.

ANTENNA ID: ANT1 3.7 meters General Dynamics 1374
3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Modulation and Services Analog Video with associated subcarriers
ANTENNA ID: ANT 2 3.8 meters Comtech 3.8 Meter EL/AZ
3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Modulation and Services Analog Video with associated subcarriers

Points of Communication:

Site 1 - PERMITTED LIST - ()

SES-REG-20181017-07044 E E201652 Melco, Inc.
Registration 10/17/2018 - 10/17/2033
Grant of Authority Date Effective: 07/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Site A
LOCATION: 695 WAYNE ROAD, Hardin, SAVANNAH, TN
35 ° 13 ' 40.21 " N LAT. 88 ° 14 ' 4.77 " W LONG.

ANTENNA ID: ANT-A 3 meters 4.6
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Audio

Points of Communication:

Site A - PERMITTED LIST - ()

SES-REG-20181017-07047 E E201657 CARMEN CABRERA
Registration 10/17/2018 - 10/17/2033
Grant of Authority Date Effective: 07/08/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: FACTOR SITE
LOCATION: BARRIO FACTOR CERRO ANIMAS, PUERTO RICO, ARECIBO, PR
18 ° 27 ' 7.45 " N LAT. 66 ° 38 ' 13.62 " W LONG.

ANTENNA ID: JLTV-1 4.5 meters ANDREW ESA45
3700.0000 - 4200.0000 MHz 36M0G7W DIGITAL TRAFFIC, VARIOUS DATA RATE FEC, INFORMATION. Video/TV

SITE1 - PERMITTED LIST - ()

SES-REG-20181017-07053 E E201663 Vidalia Communications Corporation
Registration 10/17/2018 - 10/17/2033
Grant of Authority Date Effective: 07/14/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Vidalia GA
LOCATION: 1501 Moubt Vernon RD, Vidalia GA, Vidalia, GA
32 ° 13 ' 13.16 " N LAT. 82 ° 26 ' 7.98 " W LONG.

ANTENNA ID: 1 4.5 meters

3700.0000 - 4200.0000 MHz

Points of Communication:

Vidalia GA - PERMITTED LIST - ()

SES-REG-20181017-07054 E E201664 Skyview Satellite Networks
Registration 10/17/2018 - 10/17/2033
Grant of Authority Date Effective: 07/08/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Deer Valley Receive
LOCATION: 1850 W Deer Valley Rd, Maricopa, PHOENIX, AZ
33 ° 41 ' 6.30 " N LAT. 112 ° 5 ' 50.20 " W LONG.

ANTENNA ID: DVDC1 3.7 meters DH Satellite 3.7 M AzEl

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW QPSK DVB-S Video, Audio and Data

Points of Communication:

Deer Valley Receive - AMC 3 (S2162) - (72 W.L.)

SES-REG-20181017-07055 E E201665 JET Broadcasting, Inc.
Registration 10/17/2018 - 10/17/2033
Grant of Authority Date Effective: 07/08/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: studio
LOCATION: 101 River View Road Unicoi, Unicoi, Erwin, TN
36 ° 6 ' 58.00 " N LAT. 82 ° 26 ' 48.50 " W LONG.

ANTENNA ID:	ant1	4.5 meters	scientific atlanta	unknown
	3700.0000 - 4200.0000 MHz		30M0G7W	0.00 dBW
				analog audio with sub carriers

Points of Communication:

studio - PERMITTED LIST - ()

SES-REG-20181017-07056	E	E201666	Hawaiian Telcom Services Company, Inc.	
Registration				10/17/2018 - 10/17/2033
Grant of Authority				Date Effective: 07/08/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
 LOCATION: 319 Koa Street, Honolulu, Wahiawa, HI
 21 ° 30 ' 8.19 " N LAT. 158 ° 1 ' 27.43 " W LONG.

ANTENNA ID:	SS7	7 meters	ATCI	SS7
ANTENNA ID:	7.3m	7 meters	Probecom	7.3m
ANTENNA ID:	7.5TF	7 meters	Probecom	7.5TF
	3700.0000 - 4200.0000 MHz			

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181017-07057	E	E201667	Radio Training Network Inc	
Registration				10/17/2018 - 10/17/2033
Grant of Authority				Date Effective: 07/08/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: WAFJ Studio
 LOCATION: 102 LaCompte Ave, Aiken, North Augusta, SC
 33 ° 30 ' 29.30 " N LAT. 81 ° 57 ' 41.90 " W LONG.

ANTENNA ID:	12ftRec	3.7 meters	Kaul-Tronics	STI-12
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				Digital Audio and Data
	3700.0000 - 4200.0000 MHz		2M45G7W	0.00 dBW
				DVB-S Receive Digital Audio and Data
	3700.0000 - 4200.0000 MHz		30K0G7W	0.00 dBW
				Digital Audio and Data

Points of Communication:

WAFJ Studio - PERMITTED LIST - ()

SES-REG-20181017-07060 E E201669 GREAT PLAINS TELEVISION, LLC
Registration 10/17/2018 - 10/17/2033
Grant of Authority Date Effective: 07/08/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Greenwood
LOCATION: 401 S Greenwood, Sedgwick, Wichita, KS
37 ° 40 ' 50.87 " N LAT. 97 ° 19 ' 8.04 " W LONG.

ANTENNA ID: Greenwood 3.4 meters Chaparral 8115
3700.0000 - 4200.0000 MHz 100KG7W Digital Data, Audio and Video

Points of Communication:

Greenwood - GALAXY 19 (S2647) - (97 W.L.)

SES-REG-20181017-07068 E E201672 HANCOCK COUNTY BROADCASTING, LLC
Registration 10/17/2018 - 10/17/2033
Grant of Authority Date Effective: 07/08/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: WCAZ RECEIVE
LOCATION: 521 MAIN STREET, HANCOCK, CARTHAGE, IL
40 ° 24 ' 50.00 " N LAT. 91 ° 8 ' 8.00 " W LONG.

ANTENNA ID: WCAZ RECEI 3 meters UNKNOWN UNKNOWN
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Audio Services

Points of Communication:

WCAZ RECEIVE - PERMITTED LIST - ()

SES-REG-20181017-07073 E E201675 COUNTRY CABLEVISION, INC
Registration 10/17/2018 - 10/17/2033
Grant of Authority Date Effective: 07/08/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Old Headend
LOCATION: 545 Myers Ln, Yancey, Burnsville, NC
35 ° 56 ' 0.00 " N LAT. 82 ° 18 ' 45.00 " W LONG.

ANTENNA ID:	Dish 1	5 meters	Prodelin	UNKNOWN
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				Analog and Digital Video with associated subcarriers
ANTENNA ID:	Dish 2	4.5 meters	Patriot	King 4.5
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				Analog and Digital Video with associated subcarriers
ANTENNA ID:	Dish 3	3.7 meters	Patriot	3.7m
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				Analog and Digital Video with associated subcarriers

Points of Communication:

Old Headend - PERMITTED LIST - ()

SES-REG-20181017-07074	E	E201676	COUNTRY CABLEVISION, INC	
Registration				10/17/2018 - 10/17/2033
Grant of Authority				Date Effective: 07/08/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: New Headend
 LOCATION: 120 Fair Haven Dr, Yancey, Burnsville, NC
 35 ° 55 ' 3.00 " N LAT. 82 ° 16 ' 3.00 " W LONG.

ANTENNA ID:	Dish 1	4.5 meters	Superior Satellite	8345
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				Analog and Digital Video with associated subcarriers

Points of Communication:

New Headend - PERMITTED LIST - ()

SES-REG-20181017-07077	E	E201679	TELEADORACION CHRISTIAN NETWORK INC.	
Registration				10/17/2018 - 10/17/2033
Grant of Authority				Date Effective: 07/14/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: LEVITTOWN 1
 LOCATION: Sabana Seca Ave & Villalobos Street 5ta Seccion, PUERTO RICO, Levittown, PR
 18 ° 26 ' 16.92 " N LAT. 66 ° 11 ' 7.57 " W LONG.

ANTENNA ID:	ENLACE 1	4.5 meters	ANDREW	ESA45
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3700.0000 - 4200.0000 MHz

Points of Communication:

LEVITTOWN 1 - PERMITTED LIST - ()

SES-REG-20181017-07087 E E201980 Fowler Broadcast Communications Inc.
Registration 10/17/2018 - 10/17/2033
Grant of Authority Date Effective: 07/14/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Site 1
LOCATION: 340 Providence Road, Cherokee, Gaffney, SC
35 ° 5 ' 9.00 " N LAT. 81 ° 38 ' 42.00 " W LONG.

ANTENNA ID: ANT 1 3.7 meters AFC, INC. PR-12
3700.0000 - 4200.0000 MHz 3M68G7D 0.00 dBW Digital Audio

Points of Communication:

Site 1 - PERMITTED LIST - ()

SES-REG-20181017-07094 E E201695 WiConnect Wireless LLC
Registration 10/17/2018 - 10/17/2033
Grant of Authority Date Effective: 07/14/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Loganville
LOCATION: 100 Badger St, USA, Loganville, WI
43 ° 26 ' 12.54 " N LAT. 90 ° 2 ' 5.65 " W LONG.

ANTENNA ID: 1 4.5 meters
3700.0000 - 4200.0000 MHz 0.00 dBW

Points of Communication:

Loganville - PERMITTED LIST - ()

SES-REG-20181017-07102 E E201703 INDEPENDENT CABLE SYSTEMS OF IDAHO
Registration 10/17/2018 - 10/17/2033
Grant of Authority Date Effective: 07/14/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Salmon
LOCATION: 330 Kelly, lemhi, salmon, ID
45 ° 10 ' 54.10 " N LAT. 113 ° 54 ' 32.30 " W LONG.

ANTENNA ID: 1 4 meters unknown unknown
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW N/A

Points of Communication:

Salmon - PERMITTED LIST - ()

SES-REG-20181017-07109 E E201710 West Central Michigan Media Ministries
Registration 10/17/2018 - 10/17/2033
Grant of Authority Date Effective: 07/08/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: WCMMM Cadillac
LOCATION: 7669 South 45th Road, Wexford, Cadillac, MI
44 ° 13 ' 37.57 " N LAT. 85 ° 22 ' 28.62 " W LONG.

ANTENNA ID: Chapporal 3.6 meters Chapporal 3.6
3700.0000 - 4200.0000 MHz 36M0GW 0.00 dBW Modulation and Audio and video services

Points of Communication:

WCMMM Cadillac - INTELSAT 21 (S2863) - (58.0 W.L.)

SES-REG-20181017-07110 E E201711 LifeTalk Radio, Inc.
Registration 10/17/2018 - 10/17/2033
Grant of Authority Date Effective: 07/08/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Silver Spring
LOCATION: 12501 Old Columbia Pike, Montgomery County, Silver Spring, MD
39 ° 3 ' 37.40 " N LAT. 76 ° 57 ' 57.90 " W LONG.

ANTENNA ID: LT1 3.7 meters DH Satellite 37DH4
3700.0000 - 4200.0000 MHz 36M0G7W Audio and Video

Points of Communication:

Silver Spring - PERMITTED LIST - ()

Registration
Grant of Authority

10/17/2018 - 10/17/2033
Date Effective: 07/14/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 207 East 7th St. Suite 101, Ellis, Hays, KS
38 ° 52 ' 7.75 " N LAT. 99 ° 19 ' 45.32 " W LONG.

ANTENNA ID: 1 4.5 meters

3700.0000 - 4200.0000 MHz

SITE ID: 2
LOCATION: 131 N SANTA FE AVE Suite 3, Saline, SALINA, KS
38 ° 50 ' 29.97 " N LAT. 97 ° 36 ' 34.54 " W LONG.

ANTENNA ID: 2 4.5 meters

3700.0000 - 4200.0000 MHz

SITE ID: 3
LOCATION: 338 S Kley Dr., Sumner, Wellington, KS
37 ° 14 ' 24.13 " N LAT. 97 ° 24 ' 17.23 " W LONG.

ANTENNA ID: 3 4.5 meters

3700.0000 - 4200.0000 MHz

SITE ID: 4
LOCATION: 30129 E. Hwy. 54, PRATT, Pratt, KS
37 ° 38 ' 36.63 " N LAT. 98 ° 40 ' 40.93 " W LONG.

ANTENNA ID: 4 4.5 meters

3700.0000 - 4200.0000 MHz

SITE ID: 5
LOCATION: 1065 S. Range, Thomas, Colby, KS
39 ° 23 ' 0.04 " N LAT. 101 ° 3 ' 14.56 " W LONG.

ANTENNA ID: 5 4.5 meters

3700.0000 - 4200.0000 MHz

SITE ID: 6
LOCATION: 2609 Central, Ford, Dodge City, KS
37 ° 46 ' 42.64 " N LAT. 100 ° 1 ' 0.82 " W LONG.

ANTENNA ID: 6 4.5 meters

3700.0000 - 4200.0000 MHz

SITE ID: 7
LOCATION: 5501 W. 10th St., Barton, Great Bend, KS
38 ° 21 ' 40.67 " N LAT. 98 ° 48 ' 22.78 " W LONG.

ANTENNA ID: 7 4.5 meters

3700.0000 - 4200.0000 MHz

Points of Communication:

3 - PERMITTED LIST - ()

SES-REG-20181018-06658 E E201276 LaTaurus Productions, Inc.
Registration 10/18/2018 - 10/18/2033
Grant of Authority Date Effective: 07/14/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Naylor, GA Site1
LOCATION: 5852 Hwy 84, Lowndes, Naylor, GA
30 ° 54 ' 20.89 " N LAT. 83 ° 5 ' 5.33 " W LONG.

ANTENNA ID: ANT1 3.7 meters STI D-ST12

3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Digital Video

3700.0000 - 4200.0000 MHz 36M0F8F 0.00 dBW Analog Video with associated subcarriers

SITE ID: Naylor, GA Site2
LOCATION: 5852 Hwy 84, Lowndes, Naylor, GA
30 ° 54 ' 21.15 " N LAT. 83 ° 5 ' 5.21 " W LONG.

ANTENNA ID: ANT2 3.7 meters STI D-ST12

3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Digital Video

3700.0000 - 4200.0000 MHz 36M0F8F 0.00 dBW Analog Video with associated subcarriers

Points of Communication:

Naylor, GA Site1 - PERMITTED LIST - ()

Naylor, GA Site2 - PERMITTED LIST - ()

SES-REG-20181018-06901 E E201516 Sun Broadcasting, Inc.
Registration 10/18/2018 - 10/18/2033
Grant of Authority Date Effective: 07/08/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Studio
LOCATION: 26101 S. Tamiami Trail, Lee, Bonita Springs, FL
26 ° 39 ' 7.00 " N LAT. 81 ° 51 ' 21.30 " W LONG.

ANTENNA ID: 1 3.7 meters DH 37DH448P
3700.0000 - 4200.0000 MHz 36M0G7W Digital Video and Data

ANTENNA ID: 2 3.7 meters Andersen Andersen38
3700.0000 - 4200.0000 MHz 36M0G7W

Points of Communication:

Studio - PERMITTED LIST - ()

SES-REG-20181018-06970 E E201588 Rebecca L. White
Registration 10/17/2018 - 10/17/2033
Grant of Authority Date Effective: 07/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: WRLW - Etzler Drive
LOCATION: 725 Etzler Drive, Washington, Salem, IN
38 ° 36 ' 54.90 " N LAT. 86 ° 5 ' 7.90 " W LONG.

ANTENNA ID: ANT1 3.8 meters Comtech G2RC
3700.0000 - 4200.0000 MHz 36M0G7W

Points of Communication:

WRLW - Etzler Drive - PERMITTED LIST - ()

SES-REG-20181018-07001 E E201609 Velocity.Net Video, Inc.
Registration 10/18/2018 - 10/18/2033
Grant of Authority Date Effective: 07/14/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: VNVI C-Band Site
LOCATION: 1406 W 21st St., Erie, Erie, PA
42 ° 6 ' 18.00 " N LAT. 80 ° 6 ' 25.00 " W LONG.

ANTENNA ID: Garage 3.7 meters Prodelin 1375
3700.0000 - 4200.0000 MHz 36M0G7D Digital TV

Points of Communication:

VNVI C-Band Site - GALAXY 14 (S2385) - (125 W.L.)

VNVI C-Band Site - GALAXY 15 (S2387) - (133.1)

VNVI C-Band Site - GALAXY 17 (S2715) - (91 W.L.)

VNVI C-Band Site - SES-11 (S2964) - (104.95 W.L.)

SES-REG-20181019-06111 E E200801 Access Cable Television, Inc.

Registration

10/15/2018 - 10/15/2033

Grant of Authority

Date Effective: 07/08/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Whitley County 1

LOCATION: 1055 Hwy 90, Whitley, Corbin, KY
36 ° 50 ' 39.00 " N LAT.

84 ° 14 ' 39.00 " W LONG.

ANTENNA ID:	Ant 4	3.8 meters	ComTech	ComTech	
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW	Analog Video with associated subcarriers
ANTENNA ID:	Ant 3	5 meters	Microdyne	Microdyne	
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW	Analog Video with associated subcarriers
ANTENNA ID:	Ant 2	3.8 meters	Patriot	Patriot	
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW	Analog Video with associated subcarriers
ANTENNA ID:	Ant 1	3.7 meters	Prodelin	Prodelin	
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW	Analog Video with associated subcarriers

Points of Communication:

Whitley County 1 - PERMITTED LIST - ()

SES-REG-20181019-06519 E E201160 Lenrob Enterprises Inc

Registration

10/16/2018 - 10/16/2033

Grant of Authority

Date Effective: 07/08/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: WPAX Satellite Dish

LOCATION: 117 Remington Avenue, Thomas, Thomasville, GA
30 ° 50 ' 13.80 " N LAT.

83 ° 58 ' 44.18 " W LONG.

ANTENNA ID:	ANT1	3.8 meters	COMTECH	934D0015-G2
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				Digital Audio

Points of Communication:

WPAX Satellite Dish - PERMITTED LIST - ()

SES-REG-20181019-07012	E	E201620	WEST JACKSONVILLE BAPTIST CHURCH, INC.	
Registration				10/17/2018 - 10/17/2033
Grant of Authority				Date Effective: 07/14/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Ant-1
LOCATION: 5634 Normandy BLVD, Duval, Jacksonville, FL
30 ° 18 ' 26.00 " N LAT. 81 ° 44 ' 39.00 " W LONG.

ANTENNA ID:	Ant 1	3.8 meters	Patriot	3.8 m Solid
	3700.0000 - 4200.0000 MHz		30M0G7W	0.00 dBW
				Modulation Services Digital Video & Audio

Points of Communication:

Ant-1 - PERMITTED LIST - ()

SES-REG-20181019-07161	E	E201751	CITY OF WYANDOTTE DEPT. OF MUNICIPAL SERVICE	
Registration				10/19/2018 - 10/19/2033
Grant of Authority				Date Effective: 07/08/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Wyandotte Cable
LOCATION: 3005 Biddle Avenue, Wayne, Wyandotte, MI
42 ° 12 ' 10.40 " N LAT. 83 ° 8 ' 56.30 " W LONG.

ANTENNA ID:	5m	5 meters	Hughes	5 meter
	3700.0000 - 4200.0000 MHz		36MDG7D	45.90 dBW
				Video

SITE ID: Wyandotte Cable
LOCATION: 3005 Biddle Avenue, Wayne, Wyandotte, MI
42 ° 20 ' 28.00 " N LAT. 83 ° 14 ' 60.00 " W LONG.

ANTENNA ID:	Hughes	5 meters	Hughes	5 meter
	3700.0000 - 4200.0000 MHz		36MDG7D	45.90 dBW
				Video

ANTENNA ID:	D & H	3.8 meters	D & H	3.8 meter
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3700.0000 - 4200.0000 MHz	36MDG7D	45.90 dBW	Video
ANTENNA ID: D & H	3.8 meters	D & H	3.8 meter
3700.0000 - 4200.0000 MHz	36MDG7D	45.90 dBW	Video
ANTENNA ID: SES	3.8 meters	SES	3.8 meter
3700.0000 - 4200.0000 MHz	36MDG7D	45.90 dBW	Video
ANTENNA ID: Hughes	5 meters	Hughes	5 meter
3700.0000 - 4200.0000 MHz	36MDG7D	45.90 dBW	Video

Points of Communication:

Wyandotte Cable - PERMITTED LIST - ()

SES-REG-20181019-07163	E	E201753	University of Utah	10/19/2018 - 10/19/2033
Registration				Date Effective: 07/08/2020
Grant of Authority				

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Eccles Broadcast Cnt
 LOCATION: 101 South Wasatch Drive, Salt Lake, Salt Lake City, UT
 40 ° 46 ' 4.26 " N LAT. 111 ° 50 ' 18.05 " W LONG.

ANTENNA ID: Ant 1	4.5 meters	American Antennas, Inc	TVRO 4.5
3700.0000 - 4200.0000 MHz	30M0G7W	0.00 dBW	Modulation and Services Analog Video with associated subcarriers

Points of Communication:

Eccles Broadcast Cnt - PERMITTED LIST - ()

SES-REG-20181019-07164	E	E201754	STARWEST INC	10/19/2018 - 10/19/2033
Registration				Date Effective: 07/14/2020
Grant of Authority				

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Starwest, Inc.
 LOCATION: 22849 Highway 1 22849 Highway 1, Van Buren, Keosauqua, IA
 40 ° 42 ' 47.00 " N LAT. 91 ° 56 ' 56.86 " W LONG.

ANTENNA ID: ANT7	4.6 meters	Scientific Atlanta
3700.0000 - 4200.0000 MHz	36M0G7W	

ANTENNA ID:	ANT8	2.8 meters	Scientific Atlanta	9000
	3700.0000 - 4200.0000 MHz		36M0G7W	
ANTENNA ID:	ANT10	3.8 meters		
	3700.0000 - 4200.0000 MHz		36M0G7W	
ANTENNA ID:	ANT1	4.6 meters	Scientific Atlanta	8005
	3700.0000 - 4200.0000 MHz		36M0G7W	
ANTENNA ID:	ANT2	4.6 meters	Scientific Atlanta	8005
	3700.0000 - 4200.0000 MHz		36M0G7W	
ANTENNA ID:	ANT3	4.6 meters	unknown	8005
	3700.0000 - 4200.0000 MHz		36M0G7W	
ANTENNA ID:	ANT5	3.8 meters		
	3700.0000 - 4200.0000 MHz		36M0G7W	

Points of Communication:

Starwest, Inc. - PERMITTED LIST - ()

SES-REG-20181022-05875	E E200565	Atlantic Broadband (Penn), LLC	10/05/2018 - 10/05/2033
Registration			Date Effective: 07/08/2020
Grant of Authority			

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Bradford
 LOCATION: 3 Fernwood Drive, McKean, Bradford, PA
 41 ° 58 ' 29.80 " N LAT. 78 ° 21 ' 21.30 " W LONG.

ANTENNA ID:	Site F	4.5 meters	American Antennas	TVRO - 4.5
	3700.0000 - 4200.0000 MHz		30M0G7W	0.00 dBW
				Analog and Digital Video with associated carriers

Points of Communication:

Bradford - AMC-11(S2433) - (131 W.L.)
 Bradford - AMC-11(S2433) - (131 W.L.)
 Bradford - PERMITTED LIST - ()
 Bradford - SES-1 (S2807) - (101.0 W.L.)

Bradford - SES-11 (S2964) - (104.95 W.L.)

SES-REG-20181022-05876 E E200566 Atlantic Broadband (Penn), LLC

Registration

10/05/2018 - 10/05/2033

Grant of Authority

Date Effective: 07/08/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Davis

LOCATION: 581 7th Avenue, Tucker, Davis, WV
39 ° 7 ' 56.64 " N LAT.

79 ° 28 ' 15.48 " W LONG.

ANTENNA ID: Site H 4.5 meters American Antennas TVRO - 4.5

3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Analog and Digital Video with associated carriers

Points of Communication:

Davis - AMC-11(S2433) - (131 W.L.)

Davis - PERMITTED LIST - ()

Davis - SES-1 (S2807) - (101.0 W.L.)

Davis - SES-11 (S2964) - (104.95 W.L.)

Davis - SES-3 (S2892) - (103 W.L.)

SES-REG-20181022-05877 E E200567 Atlantic Broadband (Delmar), LLC

Registration

10/05/2018 - 10/05/2033

Grant of Authority

Date Effective: 07/08/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Wye Mills

LOCATION: 162 Forman's Landing Road, Queen Anne, Queenstown, MD
38 ° 57 ' 32.00 " N LAT.

76 ° 5 ' 48.00 " W LONG.

ANTENNA ID: Site D 4.5 meters American Antennas TVRO - 4.5

3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Analog and Digital Video with associated carriers

Points of Communication:

Wye Mills - AMC-11(S2433) - (131 W.L.)

Wye Mills - SES-1 (S2807) - (101.0 W.L.)

Wye Mills - SES-11 (S2964) - (104.95 W.L.)

Wye Mills - SES-3 (S2892) - (103 W.L.)

SES-REG-20181022-05878 E E200568 Atlantic Broadband (Penn), LLC

Registration

10/05/2018 - 10/05/2033

Grant of Authority

Date Effective: 07/08/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Cumberland

LOCATION: 201 S.Mechanic Street, Allegheny, Cumberland, MD

39 ° 38 ' 58.00 " N LAT.

78 ° 45 ' 41.00 " W LONG.

ANTENNA ID: ANT 1 4.5 meters American Antennas TVRO - 4.5

3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Analog and Digital Video with associated carriers

Points of Communication:

Cumberland - GALAXY XV - (133 W.L.)

Cumberland - SES-1 (S2807) - (101.0 W.L.)

Cumberland - SES-11 (S2964) - (104.95 W.L.)

SES-REG-20181022-05879 E E200569 Atlantic Broadband (Miami), LLC

Registration

10/05/2018 - 10/05/2033

Grant of Authority

Date Effective: 07/08/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Miami Beach

LOCATION: 1960 Normandy Drive, Dade, Miami Beach, FL

25 ° 51 ' 7.00 " N LAT.

80 ° 8 ' 29.00 " W LONG.

ANTENNA ID: ANT 1 4.5 meters American Antennas TVRO - 4.5

3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Analog and Digital Video with associated carriers

Points of Communication:

Miami Beach - AMC-11(S2433) - (131 W.L.)

Miami Beach - PERMITTED LIST - ()

Miami Beach - SES-1 (S2807) - (101.0 W.L.)

Miami Beach - SES-11 (S2964) - (104.95 W.L.)

Miami Beach - SES-3 (S2892) - (103 W.L.)

SES-REG-20181022-05880 E E200570 Atlantic Broadband (Penn), LLC
Registration 10/05/2018 - 10/05/2033
Grant of Authority Date Effective: 07/08/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Uniontown
LOCATION: 514 Old Pittsburg Rd, Fayette, Uniontown, PA
39 ° 56 ' 16.00 " N LAT. 79 ° 44 ' 25.00 " W LONG.

ANTENNA ID: ANT 1 4.5 meters American Antennas TVRO - 4.5
3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Analog and Digital Video with associated carriers

Points of Communication:

Uniontown - AMC-11(S2433) - (131 W.L.)
Uniontown - PERMITTED LIST - ()
Uniontown - SES-11 (S2964) - (104.95 W.L.)
Uniontown - SES-3 (S2892) - (103 W.L.)

SES-REG-20181022-05881 E E200571 Atlantic Broadband (Penn), LLC
Registration 10/05/2018 - 10/05/2033
Grant of Authority Date Effective: 07/08/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Shippenville
LOCATION: 103 Oakwood Ln Rt 32, Clarion, Shippenville, PA
41 ° 14 ' 35.00 " N LAT. 79 ° 25 ' 35.99 " W LONG.

ANTENNA ID: ANT 1 4.54 meters American Antennas TVRO - 4.5
3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Analog and Digital Video with associated carriers

Points of Communication:

Shippenville - AMC-11(S2433) - (131 W.L.)
Shippenville - PERMITTED LIST - ()
Shippenville - SES-1 (S2807) - (101.0 W.L.)
Shippenville - SES-11 (S2964) - (104.95 W.L.)
Shippenville - SES-3 (S2892) - (103 W.L.)

SES-REG-20181022-05882 E E200572 Atlantic Broadband (SC), LLC
Registration 10/05/2018 - 10/05/2033
Grant of Authority Date Effective: 07/08/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Aiken
LOCATION: 3060 Cablevision Rd, Akin, Aiken, SC
33 ° 34 ' 25.00 " N LAT. 81 ° 44 ' 28.00 " W LONG.

ANTENNA ID: Ant ! 4.5 meters American Antennas TVRO - 4.5
3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Analog and Digital Video with associated carriers

Points of Communication:

Aiken - AMC-11(S2433) - (131 W.L.)
Aiken - SES-1 (S2807) - (101.0 W.L.)
Aiken - SES-11 (S2964) - (104.95 W.L.)

SES-REG-20181022-06471 E E201114 KAHl Corporation
Registration 10/16/2018 - 10/16/2033
Grant of Authority Date Effective: 07/08/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: KAHl Studio
LOCATION: 985 Lincoln Way, Placer, Auburn, CA
38 ° 53 ' 53.70 " N LAT. 121 ° 4 ' 18.10 " W LONG.

ANTENNA ID: ES 1 3 meters SAMI SM12
3700.0000 - 4200.0000 MHz 10M0G7W 0.00 dBW Digital traffic, various FEC, data rates and modulations

Points of Communication:

KAHl Studio - PERMITTED LIST - ()

SES-REG-20181022-06932 E E201547 KGVY, LLC
Registration 10/22/2018 - 10/22/2033
Grant of Authority Date Effective: 07/08/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 14662
LOCATION: 1510 W. Camino Antigua, Pima, Sahuarita, AZ
43 ° 38 ' 19.39 " N LAT. 116 ° 14 ' 28.86 " W LONG.

ANTENNA ID: Ant01 3.7 meters Dawnco D37F48
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Audio & Data

Points of Communication:

14662 - PERMITTED LIST - ()

SES-REG-20181022-07147 E E201736 Word Broadcasting Network, Inc.
Registration 10/19/2018 - 10/19/2033
Grant of Authority Date Effective: 07/08/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1064696
LOCATION: 4124 Texas Pky, Missouri City, TX
29 ° 34 ' 16.00 " N LAT. 95 ° 30 ' 38.00 " W LONG.

ANTENNA ID: ANT1 3.8 meters General Dynamics 1385
3700.0000 - 4200.0000 MHz 0.00 dBW

Points of Communication:

1064696 - PERMITTED LIST - ()

SES-REG-20181022-07158 E E201748 WUSB
Registration 10/22/2018 - 10/22/2033
Grant of Authority Date Effective: 07/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 250 John S. Toll Drive, Stony Brook, NY
40 ° 54 ' 59.90 " N LAT. 73 ° 7 ' 27.60 " W LONG.

ANTENNA ID: 1 4.5 meters
3700.0000 - 4200.0000 MHz

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181022-07172 E E201762 Word Broadcasting Network, Inc.
Registration 10/19/2018 - 10/19/2033
Grant of Authority Date Effective: 07/08/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 73692
LOCATION: 3701 Fern Valley Road, Louisville, KY
38 ° 1 ' 59.00 " N LAT. 85 ° 45 ' 17.00 " W LONG.

ANTENNA ID: ANT1 4 meters General Dynamics 1385

3700.0000 - 4200.0000 MHz

Points of Communication:

73692 - PERMITTED LIST - ()

SES-REG-20181023-05811 E E200503 Florida Talk Radio, LLC
Registration 10/02/2018 - 10/02/2033
Grant of Authority Date Effective: 07/08/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: WSRQ
LOCATION: 3679 Webber St, Sarasota, Sarasota, FL
27 ° 18 ' 31.00 " N LAT. 82 ° 29 ' 46.00 " W LONG.

ANTENNA ID: AMC-8 3 meters Viking P300FAE

3700.0000 - 4200.0000 MHz W295srq audio

Points of Communication:

WSRQ - PERMITTED LIST - ()

SES-REG-20181023-06483 E E201126 Suncoast Radio, Inc.
Registration 10/16/2018 - 10/16/2033
Grant of Authority Date Effective: 07/08/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: WZCC
LOCATION: 1899 SE Hwy 351, Dixie, Cross City, FL
29 ° 39 ' 33.50 " N LAT. 83 ° 7 ' 8.10 " W LONG.

ANTENNA ID: WZCC-1 3.05 meters Channel Master 3.05m RO

3700.0000 - 4200.0000 MHz

30M0G7W

0.00 dBW

Digital audio and video

Points of Communication:

WZCC - PERMITTED LIST - ()

SES-REG-20181023-06514 E E201155 Kaplan Telephone Co Inc

Registration

10/16/2018 - 10/16/2033

Grant of Authority

Date Effective: 07/08/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Kaplan

LOCATION: 118 Aurthur Bourgeois Rd 118 Aurthur Bourgeois Rd, Vermilion, Kaplan, LA

29 ° 59 ' 18.10 " N LAT.

92 ° 16 ' 56.20 " W LONG.

ANTENNA ID: 1

8.5 meters

Simusat

SS5

3700.0000 - 4200.0000 MHz

0.00 dBW

Points of Communication:

Kaplan - AMC 10 (S2432) - (135 W.L.)

Kaplan - AMC-11(S2433) - (131 W.L.)

Kaplan - GALAXY 13 (S2386) - (127 W.L.)

Kaplan - GALAXY 14 (S2385) - (125 W.L.)

Kaplan - GALAXY 15 (S2387) - (133.1)

Kaplan - GALAXY 16 (S2687) - (99 W.L.)

Kaplan - GALAXY 17 (S2715) - (91 W.L.)

Kaplan - GALAXY 18 (S2733) - (123 W.L.)

Kaplan - GALAXY 23 (S2592) - (121 W.L.)

Kaplan - GALAXY 28 (S2160) - (89.0 W.L.)

Kaplan - SES-1 (S2807) - (101.0 W.L.)

Kaplan - SES-11 (S2964) - (104.95 W.L.)

Kaplan - SES-3 (S2892) - (103 W.L.)

SES-REG-20181023-07023 E E201631 NBC Telemundo License LLC

Registration

10/23/2018 - 10/23/2033

Grant of Authority

Date Effective: 07/14/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Farmington

LOCATION: 200 Colt Highway, HARTFORD, Farmington, CT
41 ° 42 ' 4.10 " N LAT.

72 ° 49 ' 54.78 " W LONG.

ANTENNA ID: WVITTX1 2.7 meters DH Satellite 2.7 meter

3700.0000 - 4200.0000 MHz 36M0G7W Digital video, audio and data on phase modulated carriers

Points of Communication:

Farmington - PERMITTED LIST - ()

SES-REG-20181024-07134 E E201723 Algona Municipal Utilities

Registration

10/24/2018 - 10/24/2033

Grant of Authority

Date Effective: 07/08/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: AMU C-Band

LOCATION: 12 East North Street, Kossuth, Algona, IA
43 ° 4 ' 13.58 " N LAT.

94 ° 14 ' 13.92 " W LONG.

ANTENNA ID: AMU1 6.3 meters ATCi Simulsat 5

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Video

ANTENNA ID: AMU2 3.7 meters Prodelin 1374-020

3700.0000 - 4200.0000 MHz 36M0G7W Video

Points of Communication:

AMU C-Band - PERMITTED LIST - ()

SES-REG-20181024-07151 E E201741 Townsquare Media, Inc.

Registration

10/24/2018 - 10/24/2033

Grant of Authority

Date Effective: 07/14/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Albany

LOCATION: 1241 Kings Highway, Albany, Schenectady, NY
42 ° 44 ' 13.50 " N LAT.

73 ° 53 ' 21.00 " W LONG.

ANTENNA ID: 1 3.8 meters Comtech 829165-G1

3700.0000 - 4200.0000 MHz	36M0G7W	Digital audio and video
ANTENNA ID: 2	3.8 meters Comtech	829165-G1
3700.0000 - 4200.0000 MHz	36M0G7W	Digital audio and video
SITE ID: Abilene		
LOCATION: 3911 South 1st Street, Taylor, Abilene, TX		
32 ° 27 ' 3.80 " N LAT.		99 ° 46 ' 17.60 " W LONG.
ANTENNA ID: 3	2.5 meters Birdview	AP2028
3700.0000 - 4200.0000 MHz	36M0G7W	Digital audio and video
ANTENNA ID: 4	3.8 meters Comtech	829165-G1
3700.0000 - 4200.0000 MHz	36M0G7W	Digital audio and video
SITE ID: Amarillo		
LOCATION: 6214 SW 34th Ave, Potter, Amarillo, TX		
35 ° 10 ' 36.60 " N LAT.		101 ° 54 ' 20.40 " W LONG.
ANTENNA ID: 5	3.8 meters Comtech	829165-G1
3700.0000 - 4200.0000 MHz	36M0G7W	Digital audio and video
SITE ID: Atlantic City		
LOCATION: 950 Tilton Road, Atlantic, Northfield, NJ		
39 ° 22 ' 41.90 " N LAT.		74 ° 33 ' 17.80 " W LONG.
ANTENNA ID: 6	3.8 meters Comtech	829165-G1
3700.0000 - 4200.0000 MHz	36M0G7W	Digital audio and video
SITE ID: Bangor Studio		
LOCATION: 49 Acme Road, Penobscot, Brewer, ME		
44 ° 47 ' 7.70 " N LAT.		68 ° 45 ' 32.60 " W LONG.
ANTENNA ID: 7	3.8 meters Comtech	829165-G1
3700.0000 - 4200.0000 MHz	36M0G7W	Digital audio and video
SITE ID: Bangor Transmitter		
LOCATION: Blackcap Road, Penobscot, Eddington, ME		
44 ° 45 ' 43.40 " N LAT.		68 ° 33 ' 53.00 " W LONG.
ANTENNA ID: 8	3.8 meters Comtech	829165-G1
3700.0000 - 4200.0000 MHz	36M0G7W	Digital audio and video

SITE ID: Battle Creek
 LOCATION: 390 Golden Ave, Calhoun, Battle Creek, MI
 42 ° 17 ' 32.40 " N LAT. 85 ° 10 ' 56.30 " W LONG.

ANTENNA ID: 9 3.8 meters Comtech 829165-G1
 3700.0000 - 4200.0000 MHz 36M0G7W Digital audio and video

SITE ID: Berkshire Pittsfield
 LOCATION: 211 Jason Street, Berkshire, Pittsfield, MA
 42 ° 26 ' 42.20 " N LAT. 73 ° 16 ' 46.00 " W LONG.

ANTENNA ID: 10 3.8 meters Comtech 829165-G1
 3700.0000 - 4200.0000 MHz 36M0G7W Digital audio and video

SITE ID: Augusta
 LOCATION: 56 Western Ave, Kennbeck, Augusta, ME
 44 ° 18 ' 35.50 " N LAT. 69 ° 47 ' 7.60 " W LONG.

ANTENNA ID: 11 3 meters Alibaba YH300M
 3700.0000 - 4200.0000 MHz 36M0G7W Digital audio and video

SITE ID: Binghamton
 LOCATION: 59 Court St, Broome, Binghamton, NY
 42 ° 5 ' 56.40 " N LAT. 75 ° 54 ' 45.70 " W LONG.

ANTENNA ID: 12 3.8 meters Comtech 829165-G1
 3700.0000 - 4200.0000 MHz 36M0G7W Digital audio and video

SITE ID: Bismarck
 LOCATION: 4303 Memorial Highway, Morton, Mandan, ND
 46 ° 48 ' 38.00 " N LAT. 100 ° 50 ' 10.60 " W LONG.

ANTENNA ID: 13 3.8 meters Comtech 829165-G1
 3700.0000 - 4200.0000 MHz 36M0G7W Digital audio and video

SITE ID: Boise
 LOCATION: 827 E. Park Blvd., Ada, Boise, ID
 43 ° 36 ' 12.50 " N LAT. 116 ° 11 ' 24.40 " W LONG.

ANTENNA ID: 14 3.8 meters Comtech 829165-G1
 3700.0000 - 4200.0000 MHz 36M0G7W Digital audio and video

SITE ID: Bozeman
 LOCATION: 125 W Mendenhall St, Gallatin, Bozeman, MT
 45 ° 40 ' 50.30 " N LAT. 111 ° 2 ' 22.90 " W LONG.

ANTENNA ID:	15	3 meters	Unknown	Unknown
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital audio and video
SITE ID:	Billings			
LOCATION:	27 N. 27th Street, Yellowstone, Billings, MT		108 ° 30 ' 12.00 " W LONG.	
	45 ° 46 ' 56.00 " N LAT.			
ANTENNA ID:	16	3.8 meters	Comtech	829165-G1
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital audio and video
SITE ID:	Bozeman Transmitter			
LOCATION:	5576 US Highway 89 S, Park, Livingston, MT		110 ° 32 ' 26.50 " W LONG.	
	45 ° 40 ' 21.30 " N LAT.			
ANTENNA ID:	17	3 meters	Unknown	Unknown
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital audio and video
SITE ID:	Casper			
LOCATION:	150 Nichols Ave, Natrona, Casper, WY		106 ° 19 ' 51.20 " W LONG.	
	42 ° 51 ' 3.10 " N LAT.			
ANTENNA ID:	18	3.8 meters	Comtech	829165-G1
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital audio and video
ANTENNA ID:	19	3 meters	Comtech	Unknown
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital audio and video
SITE ID:	Cedar Rapids			
LOCATION:	425 2nd St. SE, Linn, Cedar Rapids, IA		91 ° 39 ' 57.50 " W LONG.	
	41 ° 58 ' 31.90 " N LAT.			
ANTENNA ID:	20	3.8 meters	Comtech	829165-G1
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital audio and video
SITE ID:	Cheyenne			
LOCATION:	1912 Capitol Ave, Laramie, Cheyenne, WY		104 ° 49 ' 3.50 " W LONG.	
	41 ° 8 ' 9.20 " N LAT.			
ANTENNA ID:	21	3 meters	Unknown	Unknown
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital audio and video
ANTENNA ID:	22	3.8 meters	Channel Master	Unknown
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital audio and video

SITE ID: Danbury Transmitter
 LOCATION: 39 Carmen Hill Rd, Fairfield, Brookfield, CT
 41 ° 29 ' 35.70 " N LAT. 73 ° 25 ' 46.30 " W LONG.

ANTENNA ID: 23 3.8 meters Comtech 829165-G1
 3700.0000 - 4200.0000 MHz 36M0G7W Digital audio and video

SITE ID: Dubuque
 LOCATION: 5490 Saratoga Rd, Dubuque, Dubuque, IA
 42 ° 30 ' 28.10 " N LAT. 90 ° 45 ' 21.20 " W LONG.

ANTENNA ID: 24 2.8 meters Harris Unknown
 3700.0000 - 4200.0000 MHz 36M0G7W Digital audio and video

ANTENNA ID: 25 2.8 meters Scientific Atlanta 9000
 3700.0000 - 4200.0000 MHz 36M0G7W Digital audio and video

SITE ID: Buffalo
 LOCATION: 14 Lafayette Square, Erie, Buffalo, NY
 42 ° 53 ' 10.90 " N LAT. 78 ° 52 ' 24.40 " W LONG.

ANTENNA ID: 26 3.8 meters Comtech 829165-G1
 3700.0000 - 4200.0000 MHz 36M0G7W Digital audio and video

SITE ID: Duluth Transmitter
 LOCATION: 6130 East County Road Z, Douglas, Parkland, WI
 46 ° 38 ' 50.60 " N LAT. 91 ° 59 ' 14.90 " W LONG.

ANTENNA ID: 27 3.8 meters Unknown Unknown
 3700.0000 - 4200.0000 MHz 36M0G7W Digital audio and video

SITE ID: El Paso
 LOCATION: 4180 North Mesa Street, El Paso, El Paso, TX
 31 ° 47 ' 42.60 " N LAT. 106 ° 30 ' 35.50 " W LONG.

ANTENNA ID: 28 3 meters Sami SM-10
 3700.0000 - 4200.0000 MHz 36M0G7W Digital audio and video

ANTENNA ID: 29 3.8 meters Comtech 829165-G1
 3700.0000 - 4200.0000 MHz 36M0G7W Digital audio and video

SITE ID: Evansville
 LOCATION: 20 NW 3rd Street, Vanderburgh, Evansville, IN
 37 ° 58 ' 17.50 " N LAT. 87 ° 34 ' 23.60 " W LONG.

ANTENNA ID:	30	3.7 meters	Dawn Sat	D37F48-4PC-5.5
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital audio and video
SITE ID:	Faribault			
LOCATION:	601 Central Ave S, Rice, Faribault, MN			
	44 ° 17 ' 50.20 " N LAT.			93 ° 16 ' 3.70 " W LONG.
ANTENNA ID:	31	3.8 meters	DH Satellite	38DH4
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital audio and video
SITE ID:	Duluth			
LOCATION:	14 East Central Entrance, Saint Louis, Duluth, MN			
	46 ° 47 ' 58.50 " N LAT.			92 ° 7 ' 51.70 " W LONG.
ANTENNA ID:	32	3.8 meters	Comtech	829165-G1
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital audio and video
SITE ID:	Flint			
LOCATION:	3338 East Bristol Rd, Genesee, Burton, MI			
	42 ° 58 ' 20.60 " N LAT.			83 ° 38 ' 23.40 " W LONG.
ANTENNA ID:	33	2 meters	Scientific Atlanta	300-1
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital audio and video
ANTENNA ID:	34	3.7 meters	Unknown	Unknown
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital audio and video
ANTENNA ID:	35	3.8 meters	Comtech	829165-G1
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital audio and video
SITE ID:	Fort Collins			
LOCATION:	600 Main St, Weld, Windsor, CO			
	40 ° 28 ' 48.80 " N LAT.			104 ° 54 ' 23.00 " W LONG.
ANTENNA ID:	36	2.8 meters	Scientific Atlanta	9000
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital audio and video
SITE ID:	Grand Junction			
LOCATION:	315 Kennedy Ave., Mesa, Grand Junction, CO			
	39 ° 4 ' 46.26 " N LAT.			108 ° 34 ' 0.20 " W LONG.
ANTENNA ID:	37	3.8 meters	Comtech	829165-G1
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital audio and video

SITE ID: Grand Rapids
 LOCATION: 50 Monroe Ave NW, Kent, Grand Rapids, MI
 42 ° 57 ' 49.80 " N LAT. 85 ° 40 ' 18.20 " W LONG.

ANTENNA ID: 38 3.8 meters DH Satellite 38DH4
 3700.0000 - 4200.0000 MHz 36M0G7W Digital audio and video

SITE ID: Owatonna
 LOCATION: 245 18th St SE, Steele, Owatonna, MN
 44 ° 3 ' 56.80 " N LAT. 93 ° 13 ' 21.20 " W LONG.

ANTENNA ID: 39 3.8 meters DH Satellite 38DH4
 3700.0000 - 4200.0000 MHz 36M0G7W Digital audio and video

SITE ID: Kalamazoo
 LOCATION: 4154 Jennings Dr., Kalamazoo, Kalamazoo, MI
 42 ° 19 ' 34.20 " N LAT. 85 ° 31 ' 33.10 " W LONG.

ANTENNA ID: 40 3.8 meters Comtech 829165-G1
 3700.0000 - 4200.0000 MHz 36M0G7W Digital audio and video

SITE ID: Kalamazoo Trans
 LOCATION: 14800 East EF Ave, Kalamazoo, Augusta, MI
 42 ° 21 ' 19.60 " N LAT. 85 ° 20 ' 27.50 " W LONG.

ANTENNA ID: 41 3.8 meters Comtech 829165-G1
 3700.0000 - 4200.0000 MHz 36M0G7W Digital audio and video

SITE ID: Copperas Cove
 LOCATION: 108 East Ave. E, Coryell, Copperas Cove, TX
 31 ° 7 ' 21.00 " N LAT. 97 ° 54 ' 9.00 " W LONG.

ANTENNA ID: 42 3.2 meters Unknown Unknown
 3700.0000 - 4200.0000 MHz 36M0G7W Digital audio and video

SITE ID: Killeen
 LOCATION: 608 Moody Ln., Bell, Temple, TX
 31 ° 6 ' 36.00 " N LAT. 97 ° 21 ' 59.00 " W LONG.

ANTENNA ID: 43 3.2 meters Wineguard Unknown
 3700.0000 - 4200.0000 MHz 36M0G7W Digital audio and video

ANTENNA ID: 44 3.7 meters Unknown Unknown
 3700.0000 - 4200.0000 MHz 36M0G7W Digital audio and video

SITE ID: Grand Rapids Trans
 LOCATION: 1300 Plymouth Ave NE, Kent, Grand Rapids, MI
 42 ° 59 ' 11.80 " N LAT. 85 ° 37 ' 27.20 " W LONG.

ANTENNA ID: 45 3.8 meters Comtech 829165-G1
 3700.0000 - 4200.0000 MHz 36M0G7W Digital audio and video

SITE ID: Lake Charles
 LOCATION: 900 N. Lakeshore Drive, Calcasieu, Lake Charles, LA
 30 ° 14 ' 16.70 " N LAT. 93 ° 13 ' 36.00 " W LONG.

ANTENNA ID: 46 3.8 meters Comtech 829165-G1
 3700.0000 - 4200.0000 MHz 36M0G7W Digital audio and video

SITE ID: Lansing
 LOCATION: 3420 Pinetree Rd, Ingham, Lansing, MI
 42 ° 40 ' 50.20 " N LAT. 84 ° 30 ' 9.30 " W LONG.

ANTENNA ID: 47 3 meters Unknown Unknown
 3700.0000 - 4200.0000 MHz 36M0G7W Digital audio and video

SITE ID: Laramie
 LOCATION: 3525 Soldier Springs Rd, Albany, Laramie, WY
 41 ° 16 ' 59.90 " N LAT. 105 ° 34 ' 56.60 " W LONG.

ANTENNA ID: 48 2.8 meters Scientific Atlanta 9000
 3700.0000 - 4200.0000 MHz 36M0G7W Digital audio and video

ANTENNA ID: 49 4 meters Comtech Unknown
 3700.0000 - 4200.0000 MHz 36M0G7W Digital audio and video

ANTENNA ID: 50 4 meters Unknown Unknown
 3700.0000 - 4200.0000 MHz 36M0G7W Digital audio and video

ANTENNA ID: 51 4.6 meters Unknown Unknown
 3700.0000 - 4200.0000 MHz 36M0G7W Digital audio and video

SITE ID: Lawton
 LOCATION: 626 SW D Ave., Commanche, Lawton, OK
 34 ° 36 ' 13.90 " N LAT. 98 ° 23 ' 53.20 " W LONG.

ANTENNA ID: 52 3.7 meters Dawn Sat D37F48-4PC-5.5
 3700.0000 - 4200.0000 MHz 36M0G7W Digital audio and video

ANTENNA ID:	53	2.8 meters	Scientific Atlanta	9000
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital audio and video
SITE ID:	Lafayette			
LOCATION:	1749 Bertrand Drive, Lafayette, Lafayette, LA			
	30 ° 13 ' 27.80 " N LAT.			92 ° 3 ' 26.60 " W LONG.
ANTENNA ID:	54	3.8 meters	Comtech	829165-G1
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital audio and video
SITE ID:	Lubbock			
LOCATION:	4413 82nd Street, Lubbock, Lubbock, TX			
	33 ° 31 ' 9.50 " N LAT.			101 ° 54 ' 24.00 " W LONG.
ANTENNA ID:	55	3.8 meters	Patriot	PRT-380
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital audio and video
SITE ID:	Trenton			
LOCATION:	109 Walters Ave, Mercer, Ewing, NJ			
	40 ° 16 ' 0.52 " N LAT.			74 ° 45 ' 35.83 " W LONG.
ANTENNA ID:	56	3.8 meters	Comtech	829165-G1
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital audio and video
SITE ID:	Princeton Trans			
LOCATION:	119 Locktown Rd, Hunterdon, Flemington, NJ			
	40 ° 30 ' 12.40 " N LAT.			74 ° 58 ' 33.90 " W LONG.
ANTENNA ID:	57	3.8 meters	Patriot	PRT-380
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital audio and video
SITE ID:	Midland			
LOCATION:	11300 TX-191 Frontage, Midland, Midland, TX			
	31 ° 58 ' 27.00 " N LAT.			102 ° 15 ' 7.00 " W LONG.
ANTENNA ID:	58	3.8 meters	Comtech	829165-G1
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital audio and video
SITE ID:	Missoula			
LOCATION:	3250 S. Reserve St., Missoula, Missoula, MT			
	46 ° 50 ' 26.80 " N LAT.			114 ° 2 ' 19.70 " W LONG.
ANTENNA ID:	59	3.8 meters	Patriot	PRT-380
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital audio and video

ANTENNA ID: 60 2.8 meters Scientific Atlanta 9000
3700.0000 - 4200.0000 MHz 36M0G7W Digital audio and video

SITE ID: New Bedford
LOCATION: 22 Sconticut Neck Road, Bristol, Fairhaven, MA
41 ° 38 ' 22.10 " N LAT. 70 ° 52 ' 57.10 " W LONG.

ANTENNA ID: 61 3.1 meters Prime Focus Mesh
3700.0000 - 4200.0000 MHz 36M0G7W Digital audio and video

SITE ID: Lufkin
LOCATION: 1216 South First Street, Angelina, Lufkin, TX
31 ° 19 ' 27.10 " N LAT. 94 ° 43 ' 40.40 " W LONG.

ANTENNA ID: 62 2.3 meters Sami Unknown
3700.0000 - 4200.0000 MHz 36M0G7W Digital audio and video

SITE ID: Oneonta
LOCATION: 34 Chestnut Street, Ostego, Oneonta, NY
42 ° 27 ' 12.40 " N LAT. 75 ° 3 ' 48.30 " W LONG.

ANTENNA ID: 63 3.7 meters Dawn Sat D37F48-4PC-5.5
3700.0000 - 4200.0000 MHz 36M0G7W Digital audio and video

SITE ID: Oneonta Walton
LOCATION: 188 Radio Station Rd, Ostego, Walton, NY
42 ° 8 ' 11.00 " N LAT. 75 ° 4 ' 49.00 " W LONG.

ANTENNA ID: 64 3.8 meters Comtech 829165-G1
3700.0000 - 4200.0000 MHz 36M0G7W Digital audio and video

SITE ID: Owensboro
LOCATION: 3301 S Frederica Street, Daviess, Owensboro, KY
37 ° 44 ' 27.60 " N LAT. 87 ° 6 ' 59.80 " W LONG.

ANTENNA ID: 65 3.8 meters Comtech 934D0015-G2
3700.0000 - 4200.0000 MHz 36M0G7W Digital audio and video

SITE ID: Shore
LOCATION: 8 Robbins St., Ocean, Toms River, NJ
39 ° 57 ' 7.60 " N LAT. 74 ° 11 ' 51.90 " W LONG.

ANTENNA ID: 66 3.8 meters Comtech 829165-G1
3700.0000 - 4200.0000 MHz 36M0G7W Digital audio and video

SITE ID: Shore Transmitter
 LOCATION: 46 Clayton Rd., Monmouth, Howell, NJ
 40 ° 8 ' 5.30 " N LAT. 74 ° 13 ' 43.60 " W LONG.

ANTENNA ID: 67 3.8 meters Comtech 829165-G1
 3700.0000 - 4200.0000 MHz 36M0G7W Digital audio and video

SITE ID: Oneonta Norwich
 LOCATION: 25 Broad St, Ostego, Norwich, NY
 42 ° 31 ' 49.20 " N LAT. 75 ° 31 ' 24.30 " W LONG.

ANTENNA ID: 68 3.4 meters Unknown TVRO-3.4
 3700.0000 - 4200.0000 MHz 36M0G7W Digital audio and video

SITE ID: Portsmouth
 LOCATION: 292 Middle Road, Strafford, Dover, NH
 43 ° 10 ' 24.80 " N LAT. 70 ° 50 ' 16.10 " W LONG.

ANTENNA ID: 69 3.8 meters Comtech 829165-G1
 3700.0000 - 4200.0000 MHz 36M0G7W Digital audio and video

SITE ID: Poughkeepsie
 LOCATION: 2 Pendell Rd, Dutchess, Poughkeepsie, NY
 41 ° 43 ' 14.50 " N LAT. 73 ° 54 ' 30.80 " W LONG.

ANTENNA ID: 70 3.7 meters Dawn Sat D37F48-4PC-5.5
 3700.0000 - 4200.0000 MHz 36M0G7W Digital audio and video

SITE ID: Presque Isle
 LOCATION: 499 Main St., Aroostook, Presque Isle, ME
 46 ° 40 ' 59.00 " N LAT. 68 ° 0 ' 56.20 " W LONG.

ANTENNA ID: 71 3.8 meters Comtech 829165-G1
 3700.0000 - 4200.0000 MHz 36M0G7W Digital audio and video

SITE ID: Preston
 LOCATION: 300 St Paul St SW, Fillmore, Preston, MN
 43 ° 40 ' 6.30 " N LAT. 92 ° 4 ' 58.30 " W LONG.

ANTENNA ID: 72 3.8 meters DH Satellite 38DH4
 3700.0000 - 4200.0000 MHz 36M0G7W Digital audio and video

SITE ID: Portland
 LOCATION: One City Center, Cumberland, Portland, ME
 43 ° 39 ' 27.40 " N LAT. 70 ° 15 ' 26.60 " W LONG.

ANTENNA ID:	73	3.8 meters	Comtech	829165-G1
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital audio and video
SITE ID:	St. Cloud			
LOCATION:	640 Lincoln Ave. SE, Benton, St. Cloud, MN			
	45 ° 33 ' 35.10 " N LAT.			94 ° 8 ' 24.90 " W LONG.
ANTENNA ID:	74	3.8 meters	Comtech	829165-G1
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital audio and video
SITE ID:	Shreveport			
LOCATION:	6341 Westport Ave, Caddo, Shreveport, LA			
	32 ° 26 ' 56.10 " N LAT.			93 ° 52 ' 23.70 " W LONG.
ANTENNA ID:	75	3.7 meters	Channel Master	Unknown
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital audio and video
ANTENNA ID:	76	3 meters	Sami	Unknown
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital audio and video
SITE ID:	Texarkana			
LOCATION:	2324 Arkansas Blvd., Miller, Texarkana, AR			
	33 ° 27 ' 36.70 " N LAT.			94 ° 0 ' 56.90 " W LONG.
ANTENNA ID:	77	3 meters	Unknown	Unknown
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital audio and video
SITE ID:	Tri Cities			
LOCATION:	2621 W A Street, Franklin, Pasco, WA			
	46 ° 13 ' 38.30 " N LAT.			119 ° 7 ' 33.30 " W LONG.
ANTENNA ID:	78	2.4 meters	Unknown	Unknown
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital audio and video
SITE ID:	Sioux Falls			
LOCATION:	5100 S. Tennis Lane, Minnehaha, Sioux Falls, SD			
	43 ° 29 ' 56.40 " N LAT.			96 ° 46 ' 2.80 " W LONG.
ANTENNA ID:	79	3.8 meters	Comtech	829165-G1
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital audio and video
SITE ID:	Twin Falls			
LOCATION:	415 Park Avenue, Twin Falls, Twin Falls, ID			
	42 ° 32 ' 32.90 " N LAT.			114 ° 28 ' 19.00 " W LONG.

ANTENNA ID:	80	3.8 meters	Comtech	829165-G1
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital audio and video
ANTENNA ID:	81	2.4 meters	Scientific Atlanta	Unknown
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital audio and video
ANTENNA ID:	82	3 meters	Unknown	Unknown
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital audio and video
SITE ID:	Tyler			
LOCATION:	3810 Brookside Drive, Smith, Tyler, TX		95 ° 18 ' 31.00 " W LONG.	
	32 ° 18 ' 23.40 " N LAT.			
ANTENNA ID:	83	2.4 meters	Scientific Atlanta	Unknown
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital audio and video
ANTENNA ID:	84	2.3 meters	Sami	Unknown
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital audio and video
SITE ID:	Utica			
LOCATION:	9418 River Rd, Oneida, Marcy, NY		75 ° 15 ' 56.30 " W LONG.	
	43 ° 8 ' 7.10 " N LAT.			
ANTENNA ID:	85	3.8 meters	Comtech	829165-G1
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital audio and video
SITE ID:	Victoria			
LOCATION:	107 North Star Dr., Victoria, Victoria, TX		97 ° 0 ' 20.40 " W LONG.	
	28 ° 50 ' 17.10 " N LAT.			
ANTENNA ID:	86	2 meters	Unknown	Unknown
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital audio and video
SITE ID:	Quad Cities			
LOCATION:	1229 Brady St, Scott, Davenport, IA		90 ° 34 ' 24.40 " W LONG.	
	41 ° 31 ' 57.70 " N LAT.			
ANTENNA ID:	87	3.8 meters	Patriot	PRT-380
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital audio and video
ANTENNA ID:	88	2.8 meters	Scientific Atlanta	9000
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital audio and video

SITE ID: Tuscaloosa
 LOCATION: 142 Skyland Blvd, Tuscaloosa, Tuscaloosa, AL
 33 ° 10 ' 3.50 " N LAT. 87 ° 32 ' 4.60 " W LONG.

ANTENNA ID: 89 3.8 meters Comtech 829165-G1
 3700.0000 - 4200.0000 MHz 36M0G7W Digital audio and video

SITE ID: Rochester
 LOCATION: 122 4TH ST SW, Olmsted, Rochester, MN
 44 ° 1 ' 8.30 " N LAT. 92 ° 27 ' 56.20 " W LONG.

ANTENNA ID: 90 4.2 meters DH Satellite 42DH8
 3700.0000 - 4200.0000 MHz 36M0G7W Digital audio and video

ANTENNA ID: 91 1.2 meters Comtech Unknown
 3700.0000 - 4200.0000 MHz 36M0G7W Digital audio and video

SITE ID: Rockford
 LOCATION: 3901 Brendenwood Rd, Winnebago, Rockford, IL
 42 ° 16 ' 45.50 " N LAT. 89 ° 2 ' 12.30 " W LONG.

ANTENNA ID: 92 3.8 meters Comtech 829165-G1
 3700.0000 - 4200.0000 MHz 36M0G7W Digital audio and video

ANTENNA ID: 93 5 meters DH Satellite 50DH8
 3700.0000 - 4200.0000 MHz 36M0G7W Digital audio and video

SITE ID: Waterloo
 LOCATION: 501 Sycamore St, Black Hawk, Waterloo, IA
 42 ° 29 ' 55.20 " N LAT. 92 ° 20 ' 9.80 " W LONG.

ANTENNA ID: 94 3.8 meters Comtech 829165-G1
 3700.0000 - 4200.0000 MHz 36M0G7W Digital audio and video

SITE ID: Waterloo Oelwein
 LOCATION: 2502 S. Frederick Ave, Fayette, Oelwein, IA
 42 ° 38 ' 43.40 " N LAT. 91 ° 54 ' 47.90 " W LONG.

ANTENNA ID: 95 3.8 meters Comtech 829165-G1
 3700.0000 - 4200.0000 MHz 36M0G7W Digital audio and video

SITE ID: Wichita Falls
 LOCATION: 2525 Kell Blvd., Wichita, Wichita Falls, TX
 33 ° 53 ' 4.80 " N LAT. 98 ° 31 ' 39.90 " W LONG.

ANTENNA ID:	96	3.8 meters	Comtech	829165-G1
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital audio and video
SITE ID:	Quincy			
LOCATION:	408 N 24th Street, Adams, Quincy, IL			
	39 ° 56 ' 8.90 " N LAT.			91 ° 22 ' 38.10 " W LONG.
ANTENNA ID:	97	3.8 meters	Comtech	934D0015-G2
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital audio and video
ANTENNA ID:	98	2.8 meters	Unknown	Unknown
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital audio and video
SITE ID:	San Angelo			
LOCATION:	1301 S. Abe St., Tom Green, San Angelo, TX			
	31 ° 26 ' 53.60 " N LAT.			100 ° 26 ' 33.40 " W LONG.
ANTENNA ID:	99	3.8 meters	Comtech	829165-G1
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital audio and video
ANTENNA ID:	100	3 meters	Unknown	Unknown
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital audio and video
SITE ID:	Sedalia			
LOCATION:	2209 S Limit Ave., Pettis, Sedalia, MO			
	38 ° 41 ' 30.00 " N LAT.			93 ° 15 ' 2.30 " W LONG.
ANTENNA ID:	101	3.8 meters	Comtech	934D0015-G2
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital audio and video
SITE ID:	Shelby			
LOCATION:	830 Oilfield Ave, Toole, Shelby, MT			
	48 ° 30 ' 47.90 " N LAT.			111 ° 51 ' 19.60 " W LONG.
ANTENNA ID:	102	3.8 meters	Comtech	829165-G1
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital audio and video
SITE ID:	Wichita Falls Trans			
LOCATION:	3601 Seymour Highway, Wichita, Wichita Falls, TX			
	33 ° 54 ' 4.60 " N LAT.			98 ° 32 ' 22.40 " W LONG.
ANTENNA ID:	103	3.2 meters	Unknown	Unknown
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital audio and video

SITE ID: Yakima
 LOCATION: 4010 Summitview, Yakima, Yakima, WA
 46 ° 35 ' 56.50 " N LAT. 120 ° 33 ' 48.70 " W LONG.

ANTENNA ID: 104 2.8 meters Unknown Unknown
 3700.0000 - 4200.0000 MHz 36M0G7W Digital audio and video

ANTENNA ID: 105 2.4 meters Unknown Unknown
 3700.0000 - 4200.0000 MHz 36M0G7W Digital audio and video

SITE ID: Tuscaloosa Trans
 LOCATION: Jones Camp Road, Tuscaloosa, Tuscaloosa, AL
 33 ° 3 ' 14.00 " N LAT. 87 ° 32 ' 56.10 " W LONG.

ANTENNA ID: 106 3.8 meters Comtech 829165-G1
 3700.0000 - 4200.0000 MHz 36M0G7W Digital audio and video

SITE ID: Presque Isle Trans
 LOCATION: 427 Caribou Rd., Aroostook, Presque Isle, ME
 46 ° 45 ' 52.00 " N LAT. 67 ° 59 ' 21.60 " W LONG.

ANTENNA ID: 107 3.8 meters Comtech 829165-G1
 3700.0000 - 4200.0000 MHz 36M0G7W Digital audio and video

SITE ID: Sedalia Transmitter
 LOCATION: US65, Pettis, Sedalia, MO
 38 ° 44 ' 1.90 " N LAT. 93 ° 13 ' 31.30 " W LONG.

ANTENNA ID: 108 3.8 meters Comtech 934D0015-G2
 3700.0000 - 4200.0000 MHz 36M0G7W Digital audio and video

SITE ID: Utica Whitesboro
 LOCATION: 8280 Clarks Mills Rd, Oneida, Whitesboro, NY
 43 ° 6 ' 15.30 " N LAT. 75 ° 20 ' 26.30 " W LONG.

ANTENNA ID: 109 3.8 meters Comtech 829165-G1
 3700.0000 - 4200.0000 MHz 36M0G7W Digital audio and video

SITE ID: Quincy Hannibal
 LOCATION: 117 North Third St., Marion, Hannibal, MO
 39 ° 42 ' 35.40 " N LAT. 91 ° 21 ' 27.10 " W LONG.

ANTENNA ID: 110 2.8 meters Harris Unknown
 3700.0000 - 4200.0000 MHz 36M0G7W Digital audio and video

SITE ID: Duluth Holiday Inn
LOCATION: 225 West Superior Street, Saint Louis, Duluth, MN
46 ° 47 ' 6.60 " N LAT. 92 ° 6 ' 7.70 " W LONG.

ANTENNA ID: 111 3.8 meters Comtech 829165-G1
3700.0000 - 4200.0000 MHz 36M0G7W Digital audio and video

SITE ID: Utica Clinton
LOCATION: 3882 Griffin Rd, Oneida, Clinton, NY
43 ° 3 ' 23.30 " N LAT. 75 ° 25 ' 1.00 " W LONG.

ANTENNA ID: 112 3.8 meters Comtech 829165-G1
3700.0000 - 4200.0000 MHz 36M0G7W Digital audio and video

Points of Communication:

- Abilene - PERMITTED LIST - ()
- Albany - PERMITTED LIST - ()
- Albany - PERMITTED LIST - ()
- Albany - PERMITTED LIST - ()
- Atlantic City - PERMITTED LIST - ()
- Augusta - PERMITTED LIST - ()
- Bangor Studio - PERMITTED LIST - ()
- Bangor Transmitter - PERMITTED LIST - ()
- Battle Creek - PERMITTED LIST - ()
- Berkshire Pittsfield - PERMITTED LIST - ()
- Billings - PERMITTED LIST - ()
- Binghamton - PERMITTED LIST - ()
- Bismarck - PERMITTED LIST - ()
- Boise - PERMITTED LIST - ()
- Bozeman - PERMITTED LIST - ()
- Bozeman Transmitter - PERMITTED LIST - ()
- Buffalo - PERMITTED LIST - ()
- Casper - PERMITTED LIST - ()
- Cedar Rapids - PERMITTED LIST - ()
- Cheyenne - PERMITTED LIST - ()

Copperas Cove - PERMITTED LIST - ()

Danbury Transmitter - PERMITTED LIST - ()

Dubuque - PERMITTED LIST - ()

Duluth - PERMITTED LIST - ()

Duluth Holiday Inn - PERMITTED LIST - ()

Duluth Transmitter - PERMITTED LIST - ()

El Paso - PERMITTED LIST - ()

Evansville - PERMITTED LIST - ()

Faribault - PERMITTED LIST - ()

Flint - PERMITTED LIST - ()

Fort Collins - PERMITTED LIST - ()

Grand Junction - PERMITTED LIST - ()

Grand Rapids - PERMITTED LIST - ()

Grand Rapids Trans - PERMITTED LIST - ()

Kalamazoo - PERMITTED LIST - ()

Kalamazoo Trans - PERMITTED LIST - ()

Killeen - PERMITTED LIST - ()

Lafayette - PERMITTED LIST - ()

Lake Charles - PERMITTED LIST - ()

Lansing - PERMITTED LIST - ()

Laramie - PERMITTED LIST - ()

Lawton - PERMITTED LIST - ()

Lubbock - PERMITTED LIST - ()

Lufkin - PERMITTED LIST - ()

Midland - PERMITTED LIST - ()

Missoula - PERMITTED LIST - ()

New Bedford - PERMITTED LIST - ()

Oneonta - PERMITTED LIST - ()

Oneonta Norwich - PERMITTED LIST - ()

Oneonta Walton - PERMITTED LIST - ()

Owatonna - PERMITTED LIST - ()
Owensboro - PERMITTED LIST - ()
Portland - PERMITTED LIST - ()
Portsmouth - PERMITTED LIST - ()
Poughkeepsie - PERMITTED LIST - ()
Presque Isle - PERMITTED LIST - ()
Presque Isle Trans - PERMITTED LIST - ()
Preston - PERMITTED LIST - ()
Princeton Trans - PERMITTED LIST - ()
Quad Cities - PERMITTED LIST - ()
Quincy - PERMITTED LIST - ()
Quincy Hannibal - PERMITTED LIST - ()
Rochester - PERMITTED LIST - ()
Rockford - PERMITTED LIST - ()
San Angelo - PERMITTED LIST - ()
Sedalia - PERMITTED LIST - ()
Sedalia Transmitter - PERMITTED LIST - ()
Shelby - PERMITTED LIST - ()
Shore - PERMITTED LIST - ()
Shore Transmitter - PERMITTED LIST - ()
Shreveport - PERMITTED LIST - ()
Sioux Falls - PERMITTED LIST - ()
St. Cloud - PERMITTED LIST - ()
Texarkana - PERMITTED LIST - ()
Trenton - PERMITTED LIST - ()
Tri Cities - PERMITTED LIST - ()
Tuscaloosa - PERMITTED LIST - ()
Tuscaloosa Trans - PERMITTED LIST - ()
Twin Falls - PERMITTED LIST - ()
Tyler - PERMITTED LIST - ()

Utica - PERMITTED LIST - ()

Utica Clinton - PERMITTED LIST - ()

Utica Whitesboro - PERMITTED LIST - ()

Victoria - PERMITTED LIST - ()

Waterloo - PERMITTED LIST - ()

Waterloo Oelwein - PERMITTED LIST - ()

Wichita Falls - PERMITTED LIST - ()

Wichita Falls Trans - PERMITTED LIST - ()

Yakima - PERMITTED LIST - ()

SES-REG-20181025-06500 E E201143 FLAGSTAFF RADIO, INC.
Registration 10/16/2018 - 10/16/2033
Grant of Authority Date Effective: 07/08/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: KAFF Studio
LOCATION: 1117 W. Route 66, USA, Flagstaff, AZ
35 ° 11 ' 20.73 " N LAT. 111 ° 39 ' 54.81 " W LONG.

ANTENNA ID: WW-1 4.5 meters Scientific Atlanta Scientific Atlanta
3700.0000 - 4200.0000 MHz 36MOG7W Digital Audio

Points of Communication:

KAFF Studio - PERMITTED LIST - ()

SES-REG-20181025-06513 E E201154 Praise Communications, LLC
Registration 10/16/2018 - 10/16/2033
Grant of Authority Date Effective: 07/08/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Site 1
LOCATION: 4013 Byrnes Street, Berkeley, St. Stephen, SC
33 ° 24 ' 36.50 " N LAT. 79 ° 55 ' 49.80 " W LONG.

ANTENNA ID: ANT1 3.8 meters AFC AFC12
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Analog Video with associated subcarriers

Points of Communication:

Site 1 - PERMITTED LIST - ()

SES-REG-20181025-06818 E E201436 KSBN Radio, Inc.
Registration 10/25/2018 - 10/25/2033
Grant of Authority Date Effective: 07/08/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Spokane
LOCATION: 7 South Howard, Spokane, Spokane, WA
47 ° 39 ' 24.20 " N LAT. 117 ° 25 ' 14.70 " W LONG.

ANTENNA ID: 1 2.8 meters Scientific Atlanta 2.8 Meter
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital

Points of Communication:

Spokane - PERMITTED LIST - ()

SES-REG-20181025-07201 E E201794 Three Eagles Communications, L.L.C.
Registration 10/25/2018 - 10/25/2033
Grant of Authority Date Effective: 07/08/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: KVRH studio
LOCATION: 7600 County Road 120, Chaffee, Salida, CO
38 ° 31 ' 57.70 " N LAT. 106 ° 0 ' 58.10 " W LONG.

ANTENNA ID: SES-11 3.8 meters Comtech 3.8
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Broadcast audio programming

Points of Communication:

KVRH studio - PERMITTED LIST - ()

SES-REG-20181025-07202 E E201795 KBNP Radio, Inc.
Registration 10/25/2018 - 10/25/2033
Grant of Authority Date Effective: 07/08/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Tualatin
LOCATION: 18925 SW 84th Ave, Washington, Tualatin, OR
45 ° 22 ' 59.50 " N LAT. 122 ° 45 ' 47.60 " W LONG.

ANTENNA ID: 1 3 meters Cosmos 3 Meter
3700.0000 - 4200.0000 MHz 36M0G7W Digital

Points of Communication:

Tualatin - PERMITTED LIST - ()

SES-REG-20181025-07204 E E201797 NBC Telemundo License LLC
Registration 10/25/2018 - 10/25/2033
Grant of Authority Date Effective: 07/08/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Phoenix
LOCATION: 4625 S. 33rd Pl., MARICOPA, Phoenix, AZ
33 ° 24 ' 14.90 " N LAT. 112 ° 0 ' 34.00 " W LONG.

ANTENNA ID: KTAZ-1 3.7 meters DH Satellite 3.7 meter
3700.0000 - 4200.0000 MHz 36M0G7W Digital video, audio and data on phase modulated carriers

ANTENNA ID: KTAZ-2 3.1 meters Patriot 3.1 meter
3700.0000 - 4200.0000 MHz 36M0G7W Digital video, audio and data on phase modulated carriers

Points of Communication:

Phoenix - PERMITTED LIST - ()

SES-REG-20181026-06521 E E201162 Wasatch Public Media
Registration 10/26/2018 - 10/26/2033
Grant of Authority Date Effective: 07/08/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Main
LOCATION: 210 East 400 South, Salt Lake, Salt Lake City, UT
40 ° 45 ' 32.21 " N LAT. 111 ° 53 ' 1.05 " W LONG.

ANTENNA ID: Main 3.8 meters Comtech 3.8 El/Az
3700.0000 - 4200.0000 MHz 3g70xn 0.00 dBW Receive site

Points of Communication:

Main - PERMITTED LIST - ()

SES-REG-20181026-06912 E E201527 Sutton Radiocasting Corporation
Registration 10/26/2018 - 10/26/2033
Grant of Authority Date Effective: 07/08/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: WRBN Satellite Dish
LOCATION: 745 North Main Street, Rabun, Clayton, GA
34 ° 53 ' 16.00 " N LAT. 83 ° 23 ' 49.00 " W LONG.

ANTENNA ID: ANT1 3.8 meters COMTECH 3.8 EL/AZ
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Audio

Points of Communication:

WRBN Satellite Dish - PERMITTED LIST - ()

SES-REG-20181026-06916 E E201531 Brigham Young University - Idaho
Registration 10/26/2018 - 10/26/2033
Grant of Authority Date Effective: 07/08/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Taylor Bldg
LOCATION: 525 S. Center Street, Madison, Rexburg, ID
43 ° 48 ' 59.80 " N LAT. 111 ° 46 ' 56.50 " W LONG.

ANTENNA ID: 1 3 meters Unknown 3 Meter
3700.0000 - 4200.0000 MHz 36M0G7D Digital Audio and Data

Points of Communication:

Taylor Bldg - PERMITTED LIST - ()

SES-REG-20181026-07191 E E201784 Bristol Broadcasting Co., Inc.
Registration 10/26/2018 - 10/26/2033
Grant of Authority Date Effective: 07/08/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Newport Studios
LOCATION: 377 Graham Street, Cocke, Newport, TN
35 ° 58 ' 1.00 " N LAT. 83 ° 12 ' 15.00 " W LONG.

ANTENNA ID: Ant 1 4.5 meters AMERICAN ANTENNAS, INC TVRO- 4.5

SES-REG-20181029-07220 E E201813 Argent Communications, LLC
Registration 10/29/2018 - 10/29/2033
Grant of Authority Date Effective: 07/08/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Spofford Head End
LOCATION: Pine Crest Dr, Spofford, NH
42 ° 54 ' 41.68 " N LAT. 72 ° 25 ' 17.60 " W LONG.

ANTENNA ID: 1 4.5 meters
3700.0000 - 4200.0000 MHz 36M0G7W

Points of Communication:

Spofford Head End - PERMITTED LIST - ()

SES-REG-20181030-05777 E E200469 Engle Broadcasting, LLC
Registration 10/30/2018 - 10/30/2033
Grant of Authority Date Effective: 07/09/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

OK for AFFPM

SITE ID: Pine Lane
LOCATION: 8 Pine Lane, Atlantic, Folsom, NJ
39 ° 36 ' 9.00 " N LAT. 74 ° 52 ' 13.00 " W LONG.

ANTENNA ID: Pine Lane 3.56 meters Orbitron SX-12
3700.0000 - 4200.0000 MHz 36M0G7W Video with associated subcarriers
3700.0000 - 4200.0000 MHz 30K0G7W Video with associated subcarriers
3700.0000 - 4200.0000 MHz 100KG7W Video with associated subcarriers
3700.0000 - 4200.0000 MHz 500KG7W Video with associated subcarriers
3700.0000 - 4200.0000 MHz 850KG7W Video with associated subcarriers
3700.0000 - 4200.0000 MHz 1M00G7W Video with associated subcarriers
3700.0000 - 4200.0000 MHz 10M0G7W Video with associated subcarriers

Points of Communication:

Pine Lane - PERMITTED LIST - ()

SES-REG-20181030-05816 E E200508 COMMUNITY TELECOM SERVICES
Registration 10/30/2018 - 10/30/2033
Grant of Authority Date Effective: 07/14/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: CTS-1
LOCATION: 49 Hardwood Drive, Monticello, KY
36 ° 50 ' 59.00 " N LAT. 84 ° 50 ' 15.00 " W LONG.

ANTENNA ID: 1 4.5 meters
3700.0000 - 4200.0000 MHz 0.00 dBW

Points of Communication:

SES-REG-20181030-06452 E E201095 Jacksonville Area Radio Broadcasters Inc
Registration 10/16/2018 - 10/16/2033
Grant of Authority Date Effective: 07/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 2161 East Old State Road, Morgan, Jacksonville, IL
39 ° 44 ' 6.12 " N LAT. 90 ° 11 ' 50.36 " W LONG.

ANTENNA ID: 1 4.5 meters
3700.0000 - 4200.0000 MHz 0.00 dBW

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181030-06824 E E201442 CCR-Montrose IV, LLC
Registration 10/30/2018 - 10/30/2033
Grant of Authority Date Effective: 07/09/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: MT-SAT-1
LOCATION: 106 Rose Lane, Colorado, Montrose, CO
38 ° 29 ' 13.67 " N LAT. 107 ° 51 ' 35.59 " W LONG.

ANTENNA ID: MT-SAT-1 3.7 meters Miralite 370
3700.0000 - 4200.0000 MHz 36M0G7W Digital Audio and Video

Points of Communication:

MT-SAT-1 - PERMITTED LIST - ()

SES-REG-20181030-06827 E E201445 CCR-Sierra Vista IV, LLC
Registration 10/30/2018 - 10/30/2033
Grant of Authority Date Effective: 07/09/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Sierra Vista, AZ
LOCATION: 2300 Busby Drive, Cochise, Sierra Vista, AZ
31 ° 32 ' 48.06 " N LAT. 110 ° 16 ' 29.52 " W LONG.

ANTENNA ID: SV-SAT-1 3 meters Comtech 3.0
3700.0000 - 4200.0000 MHz 36M0G7W Digital Audio and Video

Points of Communication:

Sierra Vista, AZ - PERMITTED LIST - ()

SES-REG-20181030-06829 E E201447 CCR-St. George IV, LLC
Registration 10/30/2018 - 10/30/2033
Grant of Authority Date Effective: 07/09/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: SG-SAT-1
LOCATION: 750 Ridgeview Suite 201, Washington, St George, UT
37 ° 7 ' 10.16 " N LAT. 113 ° 35 ' 56.04 " W LONG.

ANTENNA ID: SG-SAT-1.1 4.5 meters Scientific Atlantic 4.5
3700.0000 - 4200.0000 MHz 36M0G7W Digital Audio and Video

ANTENNA ID: SG-SAT-1.2 3 meters Scientific Atlantic 9000
3700.0000 - 4200.0000 MHz 36M0G7W Digital Audio and Video

Points of Communication:

SG-SAT-1 - PERMITTED LIST - ()

SES-REG-20181030-06830 E E201448 CCR-Tri Cities IV, LLC
Registration 10/30/2018 - 10/30/2033
Grant of Authority Date Effective: 07/09/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: TC-SAT-1

LOCATION: 2823 W Lewis St, Franklin, Pasco, WA
46 ° 13 ' 59.46 " N LAT.

119 ° 7 ' 45.24 " W LONG.

ANTENNA ID: TC-SAT-1 2.8 meters Scientific Atlantic 9000

3700.0000 - 4200.0000 MHz 36M0G7W Digital Audio and Video

Points of Communication:

TC-SAT-1 - PERMITTED LIST - ()

SES-REG-20181030-06832 E E201450 CCR-Williston IV, LLC

Registration

10/30/2018 - 10/30/2033

Grant of Authority

Date Effective: 07/09/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: WL-SAT-1

LOCATION: 410 6th Street East, Williams, Williston, ND
48 ° 8 ' 58.96 " N LAT.

103 ° 36 ' 54.41 " W LONG.

ANTENNA ID: WL-SAT-1 2.8 meters Scientific Atlantic 9000

3700.0000 - 4200.0000 MHz 36M0G7W Digital Audio and Video

Points of Communication:

WL-SAT-1 - PERMITTED LIST - ()

SES-REG-20181030-07232 E E201825 Helena Community Educational Association

Registration

10/30/2018 - 10/30/2033

Grant of Authority

Date Effective: 07/09/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Station Rx

LOCATION: 1437 Helena Ave, Lewis and Clark, Helena, MT
46 ° 35 ' 58.40 " N LAT.

112 ° 0 ' 54.80 " W LONG.

ANTENNA ID: ANT 1 3 meters Winegard TVRO 10

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW digital audio

Points of Communication:

Station Rx - PERMITTED LIST - ()

SES-REG-20181030-07240 E E201833 Urban Radio Licenses, LLC
Registration 10/29/2018 - 10/29/2033
Grant of Authority Date Effective: 07/09/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Starkville Studio
LOCATION: 608 Yellow Jacket Drive 33, Oktibbeha, Starkville, MS
33 ° 27 ' 8.15 " N LAT. 88 ° 49 ' 12.42 " W LONG.

ANTENNA ID: Dish1 3.7 meters Prodelin 1374-990
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Video & Audio

Points of Communication:

Starkville Studio - PERMITTED LIST - ()

SES-REG-20181030-07241 E E201834 Big Thicket Broadcasting of Wyoming, Inc.
Registration 10/30/2018 - 10/30/2033
Grant of Authority Date Effective: 07/09/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Site 1
LOCATION: 2717 Yellowstone Rd., Sweetwater, Rock Springs, WY
41 ° 37 ' 37.00 " N LAT. 109 ° 14 ' 29.00 " W LONG.

ANTENNA ID: ANT1 3.8 meters Comtech 3.8
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Analog Audio and associated subcarriers

ANTENNA ID: ANT2 3.8 meters Comtech 3.8
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Analog Audio and associated subcarriers

Points of Communication:

Site 1 - PERMITTED LIST - ()

SES-REG-20181030-07245 E E201838 Morris Broadcasting Company of New Jersey, Inc.
Registration 10/29/2018 - 10/29/2033
Grant of Authority Date Effective: 07/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: WiMG Studio
LOCATION: 1842 South Broad Street, Mercer, Trenton, NJ
40 ° 11 ' 57.30 " N LAT. 74 ° 43 ' 51.50 " W LONG.

ANTENNA ID: ant3m 3 meters ant3m ant3m

3700.0000 - 4200.0000 MHz 0.00 dBW

Points of Communication:

WiMG Studio - SES-11 (S2964) - (104.95 W.L)

SES-REG-20181030-07246 E E201839 Genesis Communications I, Inc.
Registration 10/29/2018 - 10/29/2033
Grant of Authority Date Effective: 07/09/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Ant-1
LOCATION: 6305 SR 46, U.S.A., Mims, FL
28 ° 39 ' 49.60 " N LAT. 80 ° 55 ' 15.60 " W LONG.

ANTENNA ID: Ant 1 3.7 meters AFS unknown

3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Modulation Services Digital Video & Audio

Points of Communication:

Ant-1 - PERMITTED LIST - ()

SES-REG-20181030-07249 E E201843 Engle Broadcasting, LLC
Registration 10/30/2018 - 10/30/2033
Grant of Authority Date Effective: 07/09/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: West Beach
LOCATION: 106 West Beach Rd, Atlantic, Williamstown, NJ
39 ° 35 ' 53.00 " N LAT. 74 ° 53 ' 2.00 " W LONG.

ANTENNA ID: West Beach 3.56 meters Orbitron SX-12

3700.0000 - 4200.0000 MHz 36M0G7W Video with associated subcarriers

3700.0000 - 4200.0000 MHz 30K0G7W Video with associated subcarriers

3700.0000 - 4200.0000 MHz 100KG7W Video with associated subcarriers

3700.0000 - 4200.0000 MHz 500KG7W Video with associated subcarriers

3700.0000 - 4200.0000 MHz	850KG7W	Video with associated subcarriers
3700.0000 - 4200.0000 MHz	1M00G7W	Video with associated subcarriers
3700.0000 - 4200.0000 MHz	10M00G7W	Video with associated subcarriers

Points of Communication:

West Beach - PERMITTED LIST - ()

SES-REG-20181031-06906	E E201521	GENESEE MEDIA CORPORATION	10/31/2018 - 10/31/2033
Registration			Date Effective:
Grant of Authority			07/11/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

Granted

SITE ID: Dansville
 LOCATION: 195 Main Street, Livingston, Dansville, NY
 42 ° 33 ' 40.10 " N LAT. 77 ° 41 ' 48.00 " W LONG.

ANTENNA ID: ANT1	4.5 meters	AMERICAN ANTENNAS, INC	TVRO4.5
3700.0000 - 4000.0000 MHz	30M0G7W	0.00 dBW	Digital Video

Points of Communication:

Dansville - PERMITTED LIST - ()

SES-REG-20181031-06950	E E201566	Channel 49 Acquisition Corporation	10/17/2018 - 10/17/2033
Registration			Date Effective:
Grant of Authority			07/09/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: KTEN-TV
 LOCATION: 10 High Point Cir, Grayson, Denison, TX
 33 ° 45 ' 55.30 " N LAT. 96 ° 35 ' 23.30 " W LONG.

ANTENNA ID: 1	4.5 meters	Andrew	ES45MPJ-1
3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	DIGITAL VIDEO CARRIER
ANTENNA ID: 3	3 meters	Viking	VS-300DA-2C
3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	DIGITAL VIDEO CARRIER
ANTENNA ID: 4	4.5 meters	Patriot	4.5m

3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	DIGITAL VIDEO CARRIER
ANTENNA ID: 7	3.8 meters	Patriot	PRT380
3700.0000 - 4200.0000 MHz	36M0G7W		DIGITAL VIDEO CARRIER
ANTENNA ID: 9	4.5 meters	EASI	EASI4.5m
3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	DIGITAL VIDEO CARRIER

Points of Communication:

KTEN-TV - PERMITTED LIST - ()

SES-REG-20181031-06999	E E201605	Breckinridge Broadcasting Co., Inc.	10/17/2018 - 10/17/2033
Registration			Date Effective: 07/09/2020
Grant of Authority			

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Studio
 LOCATION: 110 South Main Street, Breckinridge, Hardinsburg, KY
 37 ° 46 ' 55.40 " N LAT. 86 ° 27 ' 42.80 " W LONG.

ANTENNA ID: Sat-1	3.8 meters	Patriot	N/A
3700.0000 - 4200.0000 MHz	100KG7W		Digital Data and Audio Services

Points of Communication:

Studio - PERMITTED LIST - ()

SES-REG-20181031-07247	E E201840	CenTex Broadcasting, LLC	10/30/2018 - 10/30/2033
Registration			Date Effective: 07/09/2020
Grant of Authority			

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: KMIL-FM Studio
 LOCATION: 901 East 1st Street, Milam, Cameron, TX
 30 ° 50 ' 53.55 " N LAT. 96 ° 58 ' 9.19 " W LONG.

ANTENNA ID: AMC-18	3.7 meters	Prodeline	1375-990
3700.0000 - 4200.0000 MHz	500MV9W	0.00 dBW	Digital & Analog Audio & Video

Points of Communication:

KMIL-FM Studio - PERMITTED LIST - ()

SES-REG-20181031-07278 E E201872 commZoom Assets, LLC

Registration

10/31/2018 - 10/31/2033

Grant of Authority

Date Effective: 07/09/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: HondoHE

LOCATION: 2701 Ave E, Medina, Hondo, TX

29 ° 20 ' 25.06 " N LAT.

99 ° 7 ' 58.57 " W LONG.

ANTENNA ID:	ANT1	1.8 meters	Patriot	man-cku-1.8
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Audio and Video Signals
ANTENNA ID:	ANT2	1.8 meters	Comtech	180
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Audio and Video Signals
ANTENNA ID:	ANT3	1.8 meters	Patriot	man-cku-1.8
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Audio and Video Signals
ANTENNA ID:	ANT4	1.8 meters	Comtech	180
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Audio and Video Signals
ANTENNA ID:	ANT5	3 meters	MSC	3m
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Audio and Video Signals
ANTENNA ID:	ANT6	1.8 meters	Comtech	180
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Audio and Video Signals

Points of Communication:

HondoHE - PERMITTED LIST - ()

SES-REG-20181031-07283 E E201877 Missouri Southern State University

Registration

10/31/2018 - 10/31/2033

Grant of Authority

Date Effective: 07/09/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: MSSU TV Site

LOCATION: 3950 E Newman Road, Jasper, Joplin, MO

37 ° 5 ' 50.00 " N LAT.

94 ° 27 ' 33.00 " W LONG.

ANTENNA ID:	TVAntenna1	5 meters	Unknown	Unknown
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3700.0000 - 4200.0000 MHz	36M0F8F	0.00 dBW	Analog Video with associated subcarriers
ANTENNA ID: TVAntenna2	3.7 meters	Unknown	Unknown
3700.0000 - 4200.0000 MHz	36M0F8F	0.00 dBW	Analog Video with associated subcarriers

Points of Communication:

MSSU TV Site - PERMITTED LIST - ()

SES-REG-20181031-07285 E E201880 WARREN CABLE INC
 Registration 10/31/2018 - 10/31/2033
 Grant of Authority Date Effective: 07/09/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Headend
 LOCATION: 631 Adams St, Huntington, Warren, IN
 40 ° 40 ' 50.00 " N LAT. 85 ° 25 ' 4.00 " W LONG.

ANTENNA ID: G7	3.8 meters	Patriot	PRT-380
3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	Digital
ANTENNA ID: SES	3.7 meters	Superior Satellite Engineers	MBF
3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	Digital
ANTENNA ID: 4.5	4.5 meters	ScientificAtlanta	8346
3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	Digital
ANTENNA ID: 4.5	4.5 meters	ScientificAtlanta	8345
3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	Digital

Points of Communication:

- Headend - PERMITTED LIST - ()
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SES-REG-20181031-07303 E E201898 WSJD Inc.
Registration 10/31/2018 - 10/31/2033
Grant of Authority Date Effective: 07/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Site 1
LOCATION: 331 N. Market Street, Wabash, Mount Carmel, IL
38 ° 24 ' 33.00 " N LAT. 87 ° 45 ' 37.00 " W LONG.

ANTENNA ID: ANT-1

3700.0000 - 4200.0000 MHz

Points of Communication:

Site 1 - PERMITTED LIST - ()

SES-REG-20181031-07304 E E201899 commZoom Assets, LLC
Registration 10/31/2018 - 10/31/2033
Grant of Authority Date Effective: 07/09/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: LaVerniaHE
LOCATION: 4013 CR 342, Wilson, La Vernia, TX
29 ° 21 ' 11.00 " N LAT. 98 ° 6 ' 30.00 " W LONG.

ANTENNA ID: ANT1 3.8 meters Patriot 3.8
3700.0000 - 4200.0000 MHz 36M0G7W Digital Audio and Video Signals

ANTENNA ID: ANT2 3.8 meters Comtech 3.8
3700.0000 - 4200.0000 MHz 36M0G7W Digital Audio and Video Signals

ANTENNA ID: ANT3 5.6 meters GCC 5.6
3700.0000 - 4200.0000 MHz 36M0G7W Digital Audio and Video Signals

Points of Communication:

LaVerniaHE - PERMITTED LIST - ()

SES-REG-20181031-07305 E E201900 commZoom Assets, LLC
Registration 10/31/2018 - 10/31/2033
Grant of Authority Date Effective: 07/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: BanderaHE
LOCATION: 740 Houston St., Bandera, Bandera, TX
29 ° 44 ' 13.00 " N LAT. 99 ° 4 ' 46.70 " W LONG.

ANTENNA ID:	ANT1	3.8 meters	Patriot	3.8
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Audio and Video Signals
ANTENNA ID:	ANT2	3.8 meters	Comtech	3.8
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Audio and Video Signals
ANTENNA ID:	ANT3	5.6 meters	GCC	5.6
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Audio and Video Signals

Points of Communication:

BanderaHE - PERMITTED LIST - ()

SES-REG-20181031-07306 E E201901 commZoom Assets, LLC
Registration 10/31/2018 - 10/31/2033
Grant of Authority Date Effective: 07/09/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: ComfortHE
LOCATION: 308 East St., Kendall, Comfort, TX
29 ° 58 ' 39.00 " N LAT. 98 ° 54 ' 23.00 " W LONG.

ANTENNA ID:	ANT1	3.8 meters	Patriot	3.8
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Audio and Video Signals
ANTENNA ID:	ANT2	3.8 meters	Comtech	3.8
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Audio and Video Signals
ANTENNA ID:	ANT3	5.6 meters	GCC	5.6
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Audio and Video Signals

Points of Communication:

ComfortHE - PERMITTED LIST - ()

SES-REG-20181031-07307 E E201902 Grady W Turner (d/b/a WKHC)
Registration 10/31/2018 - 10/31/2033
Grant of Authority Date Effective: 07/09/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: WZTR
LOCATION: 1376 Ben Higgins Rd, Lumpkin, Dahlonega, GA
34 ° 30 ' 16.50 " N LAT. 84 ° 2 ' 38.10 " W LONG.

ANTENNA ID: WZTR 3.8 meters Comtech 3.8m E/Az
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Audio

Points of Communication:

WZTR - PERMITTED LIST - ()

SES-REG-20181031-07308 E E201903 Southern Wabash Communications of Middle Tennessee, Inc.
Registration 10/31/2018 - 10/31/2033
Grant of Authority Date Effective: 07/09/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Site 1
LOCATION: 100 Main Street, Sumner, Portland, TN
36 ° 34 ' 49.00 " N LAT. 86 ° 30 ' 56.00 " W LONG.

ANTENNA ID: ANT1 4.5 meters
3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Digital

Points of Communication:

Site 1 - PERMITTED LIST - ()

SES-REG-20181031-07309 E E201904 Yelcot Video Group, Inc.
Registration 10/31/2018 - 10/31/2033
Grant of Authority Date Effective: 07/08/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Gassville Headend
LOCATION: 100 North School Street, Baxter, Gassville, AR
36 ° 17 ' 60.00 " N LAT. 92 ° 29 ' 44.00 " W LONG.

ANTENNA ID:	A1	4.5 meters	Superior Satellite	8345
	3700.0000 - 4200.0000 MHz		6M00C7W 42.00 dBW	Fequency Modulation
ANTENNA ID:	A2	3.8 meters	Superior Satellite	Patriot
	3700.0000 - 4200.0000 MHz		6M00C7W 42.00 dBW	Frequency Modulation
ANTENNA ID:	A3	4.8 meters	Superior Satellite	Patriot
	3700.0000 - 4200.0000 MHz		6M00C7W 42.00 dBW	Frequency Modulation
ANTENNA ID:	A4	3.7 meters	Satcom	Series 1344
	3700.0000 - 4200.0000 MHz		6M00C7W 42.00 dBW	Frequency Modulation

Points of Communication:

Gassville Headend - PERMITTED LIST - ()

SES-REG-20181031-07310	E	E201905	Southern Wabash Communications of Middle Tennessee, Inc.	
Registration				10/31/2018 - 10/31/2033
Grant of Authority				Date Effective: 07/09/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Site 1
LOCATION: 810 Dominican Drive, Davidson, Tennessee, TN
36 ° 11 ' 17.00 " N LAT. 86 ° 48 ' 7.00 " W LONG.

ANTENNA ID:	ANT-1	4.5 meters		
	3700.0000 - 4200.0000 MHz		30M0G7W 0.00 dBW	Digital

Points of Communication:

Site 1 - PERMITTED LIST - ()

SES-REG-20181031-07311	E	E201906	Taylor University Broadcasting, Inc.	
Registration				10/31/2018 - 10/31/2033
Grant of Authority				Date Effective: 07/09/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: SITE1
LOCATION: 1115 West Rudisill Boulevard, Allen, Fort Wayne, IN
41 ° 2 ' 58.14 " N LAT. 85 ° 9 ' 10.15 " W LONG.

ANTENNA ID:	ANT1	3.7 meters	DH Satellite	3.7
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3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Analog/Digital Video and Audio with associated subcarriers

Points of Communication:

SITE1 - PERMITTED LIST - ()

SES-REG-20181031-07313 E E201908 Southern Wabash Communications of Middle Tennessee, Inc.
Registration 10/31/2018 - 10/31/2033
Grant of Authority Date Effective: 07/09/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Site 1
LOCATION: 810 Dominican Drive, Davidson, Tennessee, TN
 36 ° 11 ' 17.00 " N LAT. 86 ° 48 ' 7.00 " W LONG.

ANTENNA ID: ANT1 4.5 meters

3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Digital

Points of Communication:

Site 1 - PERMITTED LIST - ()

SES-REG-20181031-07314 E E201909 WBRK, Inc.
Registration 10/31/2018 - 10/31/2033
Grant of Authority Date Effective: 07/09/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Site 1
LOCATION: 100 North St, Berkshire, Pittsfield, MA
 42 ° 26 ' 60.00 " N LAT. 73 ° 15 ' 10.00 " W LONG.

ANTENNA ID: ANT1 4.5 meters American Antennas, Inc. TVRO-4.5

3700.0000 - 4200.0000 MHz 36M0G7W DIGITAL AUDIO SIGNALS

Points of Communication:

Site 1 - PERMITTED LIST - ()

SES-REG-20181031-07315 E E201910 Trustees of Indiana University
Registration 10/31/2018 - 10/31/2033
Grant of Authority Date Effective: 07/09/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Radio-Television
LOCATION: 1229 E 7th Street, Monroe, Bloomington, IN
39 ° 10 ' 10.15 " N LAT. 86 ° 31 ' 8.15 " W LONG.

ANTENNA ID: Dish-1 3.8 meters Comtech Antenna System 3.8M PF
3700.0000 - 4200.0000 MHz 10M0G7W Digital Video/Audio Carrier

Points of Communication:

Radio-Television - PERMITTED LIST - ()

SES-REG-20181031-07317 E E201912 Mahalo Multimedia, LLC
Registration 10/31/2018 - 10/31/2033
Grant of Authority Date Effective: 07/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: KKOA-FM
LOCATION: 74-5605 Luhia Street, B - 7 74-5605 Luhia Street, B - 7, HI, Kailua KonaKailua Ko, HI
19 ° 38 ' 49.00 " N LAT. 155 ° 59 ' 50.20 " W LONG.

ANTENNA ID: KKOA-FM
3700.0000 - 4200.0000 MHz

Points of Communication:

KKOA-FM - PERMITTED LIST - ()

SES-REG-20181031-07324 E E201919 Cable America Missouri, LLC
Registration 10/31/2018 - 10/31/2033
Grant of Authority Date Effective: 07/09/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Grand Marais MI
LOCATION: E21704 Airport Road, Alger, Grand Marais, MI
46 ° 39 ' 0.81 " N LAT. 85 ° 59 ' 16.20 " W LONG.

ANTENNA ID: Patriot 3.8 meters Patriot Antenna Systems 3.8 Commercial Ant
3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Digital video
3700.0000 - 4200.0000 MHz 36M0F8F 0.00 dBW Analog video and associated subcarriers

Points of Communication:

Grand Marais MI - PERMITTED LIST - ()

SES-REG-20181031-07325 E E201920 Cable America Missouri, LLC
Registration 10/31/2018 - 10/31/2033
Grant of Authority Date Effective: 07/09/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Shingleton MI
LOCATION: E12459 Percy Road, Alger, Shingleton, MI
46 ° 23 ' 24.28 " N LAT. 86 ° 28 ' 19.69 " W LONG.

ANTENNA ID:	Patriot	3.8 meters	Patriot Antenna Systems	3.8 Commercial Ant	
	3700.0000 - 4200.0000 MHz		30M0G7W	0.00 dBW	Digital video
	3700.0000 - 4200.0000 MHz		36M0F8F	0.00 dBW	Analog video and associated subcarriers

Points of Communication:

Shingleton MI - PERMITTED LIST - ()

SES-REG-20181031-07335 E E201929 SINCLAIR EUGENE LICENSEE, LLC
Registration 10/31/2018 - 10/31/2033
Grant of Authority Date Effective: 07/09/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: KVAL Site 2
LOCATION: 4575 Blanton Rd, Lane, Eugene, OR
44 ° 0 ' 3.90 " N LAT. 123 ° 7 ' 9.20 " W LONG.

ANTENNA ID:	1	8.1 meters	Harris	HAR81	
	3700.0000 - 4200.0000 MHz		36M0G7W		Digital Video and Data
ANTENNA ID:	2	7.1 meters	Scientific Atlanta	SA71	
	3700.0000 - 4200.0000 MHz		36M0G7W		Digital Video and Data
ANTENNA ID:	3	3.5 meters	Scientific Atlanta	SA35	
	3700.0000 - 4200.0000 MHz		36M0G7W		Digital Video and Data

Points of Communication:

KVAL Site 2 - PERMITTED LIST - ()

SES-REG-20181031-07343 E E201937 Sison Broadcasting, Inc.
Registration 10/31/2018 - 10/31/2033
Grant of Authority Date Effective: 07/09/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Site 1

LOCATION: 118 Malletts Bay Ave, Chittenden, Colchester, VT

44 ° 32 ' 13.00 " N LAT.

73 ° 13 ' 5.00 " W LONG.

ANTENNA ID: ANT1 4.5 meters American Antennas, Inc. TVRO-4.5

3700.0000 - 4200.0000 MHz 36M0G7W DIGITAL AUDIO SIGNALS

Points of Communication:

Site 1 - PERMITTED LIST - ()

SES-REG-20181031-07344 E E201938 Cooper Communications LLC

Registration

10/31/2018 - 10/31/2033

Grant of Authority

Date Effective: 07/09/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 314 Lake Blvd., Shasta, Redding, CA

40 ° 36 ' 39.90 " N LAT.

122 ° 22 ' 55.50 " W LONG.

ANTENNA ID: 1 3 meters Paraclipse 3 Meter

3700.0000 - 4200.0000 MHz 36M0G7D Digital Audio and Data

ANTENNA ID: 2 4 meters Wineguard 4 Meter

3700.0000 - 4200.0000 MHz 36M0G7D Digital Audio and Data

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181031-07345 E E201939 commZoom Assets, LLC

Registration

10/31/2018 - 10/31/2033

Grant of Authority

Date Effective: 07/09/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: PleasantonHE

LOCATION: 1244 Encino Dr., Atascosa, Pleasanton, TX

28 ° 58 ' 34.00 " N LAT.

98 ° 29 ' 56.30 " W LONG.

ANTENNA ID: ANT1 3.8 meters Patriot 3.8

3700.0000 - 4200.0000 MHz 36M0G7W Digital Audio and Video Signals

ANTENNA ID:	ANT2	3.8 meters	Comtech	3.8
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Audio and Video Signals
ANTENNA ID:	ANT3	5.6 meters	GCC	5.6
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Audio and Video Signals

Points of Communication:

PleasantonHE - PERMITTED LIST - ()

SES-REG-20181031-07347	E	E201942	Bryan A King	10/31/2018 - 10/31/2033
Registration				Date Effective: 07/09/2020
Grant of Authority				

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: KITY Studio
 LOCATION: 719 Ford S-200, Llano, Llano, TX
 30 ° 45 ' 1.50 " N LAT. 98 ° 40 ' 33.50 " W LONG.

ANTENNA ID:	ANT1	3 meters	Winegard	TVRO-3
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				Digital

Points of Communication:

KITY Studio - PERMITTED LIST - ()

SES-REG-20181031-07354	E	E201949	Williamsburg's Radio Station, Inc.	10/31/2018 - 10/31/2033
Registration				Date Effective: 07/09/2020
Grant of Authority				

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Tower
 LOCATION: 4400 Centerville Rd, James City, Williamsburg, VA
 37 ° 16 ' 54.40 " N LAT. 76 ° 47 ' 47.60 " W LONG.

ANTENNA ID:	Main	3.7 meters	Prodelin	1374
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				Digital Audio Westwood One

Points of Communication:

Tower - PERMITTED LIST - ()

SES-REG-20181031-07355 E E201950 meade county communications, inc
Registration 10/31/2018 - 10/31/2033
Grant of Authority Date Effective: 07/09/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Site 1
LOCATION: 1715 Bypass Road 1715 Bypass Road, Meade, Brandenburg, KY
37 ° 59 ' 9.00 " N LAT. 86 ° 11 ' 3.95 " W LONG.

ANTENNA ID: ANT1 3.5 meters AFC PR-12
3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Modulation & services Analog Video
with associated subcarriers

Points of Communication:

Site 1 - PERMITTED LIST - ()

SES-REG-20181031-07363 E E201958 Beach Radio, Inc.
Registration 10/31/2018 - 10/31/2033
Grant of Authority Date Effective: 07/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Xmitter site
LOCATION: 5334 Captain Fritz Road, Washington, Panama city, FL
30 ° 26 ' 39.00 " N LAT. 85 ° 52 ' 38.00 " W LONG.

ANTENNA ID: ANT-1
3700.0000 - 4200.0000 MHz

Points of Communication:

Xmitter site - PERMITTED LIST - ()

SES-REG-20181031-07364 E E201959 Meredith Corporation-KMOV
Registration 10/31/2018 - 10/31/2033
Grant of Authority Date Effective: 07/09/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: KMOV studios
LOCATION: 1 S Memorial drive, City of St. Louis, St. louis, MO
38 ° 37 ' 28.90 " N LAT. 90 ° 11 ' 16.70 " W LONG.

ANTENNA ID: Main Studi 4.5 meters Patriot PRT-450

3700.0000 - 4200.0000 MHz

36M0G7W

Video, audio and data services

Points of Communication:

KMOV studios - PERMITTED LIST - ()

SES-REG-20181031-07367 E E201962 Lovett Broadcasting Enterprises, Inc.

Registration

10/31/2018 - 10/31/2033

Grant of Authority

Date Effective: 07/09/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 1809 US Hwy 84 West, Grady, Cairo, GA

30 ° 54 ' 8.00 " N LAT.

84 ° 14 ' 3.00 " W LONG.

ANTENNA ID: 1

3.8 meters

Comtech

934D0015-G2

3700.0000 - 4200.0000 MHz

30K0G7W

0.00 dBW

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181031-07369 E E201965 TowerStream Corp.

Registration

10/31/2018 - 10/31/2033

Grant of Authority

Date Effective: 07/09/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Miami, FL

LOCATION: 4045 N.W. 97th Avenue, Dade, Miami, FL

25 ° 48 ' 35.00 " N LAT.

80 ° 21 ' 11.00 " W LONG.

ANTENNA ID: 1

2.4 meters

Prodelin

1244

3700.0000 - 4200.0000 MHz

36M0G7W

0.00 dBW

N/A

Points of Communication:

Miami, FL - PERMITTED LIST - ()

SES-REG-20181031-07372 E E201972 LEWISTON COMMUNICATIONS

Registration

10/31/2018 - 10/31/2033

Grant of Authority

Date Effective: 07/09/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 012796
LOCATION: 5239 Co Rd 612, Montmorency, Lewiston, MI
44 ° 53 ' 0.00 " N LAT. 84 ° 17 ' 17.10 " W LONG.

ANTENNA ID: 1 3.7 meters Prodelin 3.7 AZ/EL
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital

Points of Communication:

012796 - PERMITTED LIST - ()

SES-REG-20181101-06098 E E200788 Sistema Universitario Ana G Mendez
Registration 11/01/2018 - 11/01/2033
Grant of Authority Date Effective: 07/09/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Site 1
LOCATION: 1395 Isidoro colon Street WMTJ Sistema-TV, 1395 Isidoro Colon St, San Juan, PR
18 ° 23 ' 14.20 " N LAT. 66 ° 3 ' 36.95 " W LONG.

ANTENNA ID: Ant 1 4.9 meters ASC 4.9
3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Modulation and Services Digital Video
ANTENNA ID: Ant 2 4.5 meters ASC 4.5
3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Modulation and Services Digital Video

Points of Communication:

Site 1 - PERMITTED LIST - ()

SES-REG-20181101-06099 E E200789 Cable TV Inc.
Registration 11/01/2018 - 11/01/2033
Grant of Authority Date Effective: 07/09/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Site 1
LOCATION: Martin Luther King Jr Dr, Webster, Eupora, MS
33 ° 33 ' 5.58 " N LAT. 89 ° 17 ' 25.47 " W LONG.

ANTENNA ID: 3.7 3.7 meters Prodelin 3.7m c-band
3700.0000 - 4200.0000 MHz 36M0G7W Audio and Video
ANTENNA ID: 3.8 3.8 meters Patriot 3.8m C-Band

3700.0000 - 4200.0000 MHz

36M0G7W

Audio and Video

Points of Communication:

Site 1 - PERMITTED LIST - ()

SES-REG-20181101-07322 E E201917 commZoom Assets, LLC

Registration

11/01/2018 - 11/01/2033

Grant of Authority

Date Effective: 07/09/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: KenedyHE

LOCATION: 0 St Marys, Karnes, Kenedy, TX

28 ° 48 ' 20.00 " N LAT.

97 ° 50 ' 56.00 " W LONG.

ANTENNA ID: ANT1 3.8 meters Patriot 3.8

3700.0000 - 4200.0000 MHz 36M0G7W Digital Audio and Video Signals

ANTENNA ID: ANT2 3.8 meters Comtech 3.8

3700.0000 - 4200.0000 MHz 36M0G7W Digital Audio and Video Signals

ANTENNA ID: ANT3 5.6 meters GCC 5.6

3700.0000 - 4200.0000 MHz 36M0G7W Digital Audio and Video Signals

Points of Communication:

KenedyHE - PERMITTED LIST - ()

SES-REG-20181101-07346 E E201940 commZoom Assets, LLC

Registration

11/01/2018 - 11/01/2033

Grant of Authority

Date Effective: 07/09/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: ThreeRiversHE

LOCATION: 6008 Hwy 281 N, Live Oak, San Antonio, TX

28 ° 28 ' 53.00 " N LAT.

98 ° 10 ' 33.00 " W LONG.

ANTENNA ID: ANT1 3.8 meters Patriot 3.8

3700.0000 - 4200.0000 MHz 36M0G7W Digital Audio and Video Signals

ANTENNA ID: ANT2 3.8 meters Comtech 3.8

3700.0000 - 4200.0000 MHz 36M0G7W Digital Audio and Video Signals

ANTENNA ID:	ANT3	5.6 meters	GCC	5.6
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Audio and Video Signals

Points of Communication:

ThreeRiversHE - PERMITTED LIST - ()

SES-REG-20181108-06911	E	E201526	Craig A. and Patricia N. Lutz	10/17/2018 - 10/17/2033
Registration				Date Effective: 07/13/2020
Grant of Authority				

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID:	Site A	
LOCATION:	3700 Golden Spur Street, Kern, Lake Isabella, CA	118 ° 28 ' 10.00 " W LONG.
	35 ° 37 ' 38.00 " N LAT.	

ANTENNA ID:	1	4.5 meters	
	3700.0000 - 4200.0000 MHz		0.00 dBW

SITE ID:	Site A	
LOCATION:	3700 Golden Spur Street, Kern, Lake Isabella, CA	118 ° 28 ' 10.00 " W LONG.
	35 ° 37 ' 38.00 " N LAT.	

Points of Communication:

Site A - PERMITTED LIST - ()

SES-REG-20181113-07374	E	E201969	Northeast Oklahoma Broadcast Network	10/31/2018 - 10/31/2033
Registration				Date Effective: 07/09/2020
Grant of Authority				

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID:	KESA	
LOCATION:	175 Sanctuary Road, Carroll, Eureka Springs, AK	93 ° 44 ' 52.00 " W LONG.
	36 ° 22 ' 47.00 " N LAT.	

ANTENNA ID:	KESA	2.4 meters	N/A	2.4M
	3700.0000 - 4200.0000 MHz		30K0F1D	0.00 dBW
				Digital Audio Carrier

Points of Communication:

KESA - PERMITTED LIST - ()

SES-REG-20181116-07370 E E201973 Butte Broadcasting Incorporated
Registration 10/31/2018 - 10/31/2033
Grant of Authority Date Effective: 07/09/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: KBOW Studio
LOCATION: 660 Dewey Blvd., Silver Bow, Butte, MT
46 ° 58 ' 58.70 " N LAT. 112 ° 31 ' 41.00 " W LONG.

ANTENNA ID: ANT1 4.2 meters Prodelin 4.2 meter
3700.0000 - 4200.0000 MHz 36M0G7W QPSK Digital Video and Digital Aural

Points of Communication:

KBOW Studio - PERMITTED LIST - ()

SES-REG-20181207-07294 E E201889 My Town Media Inc
Registration 10/31/2018 - 10/31/2033
Grant of Authority Date Effective: 07/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Site 5
LOCATION: 412 North Locust Street, Montgomery, Pittsburg, KS
37 ° 24 ' 42.70 " N LAT. 94 ° 42 ' 11.50 " W LONG.

ANTENNA ID: Ant.5 3.07 meters Prodelin na
3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Digital Audio

Points of Communication:

Site 5 - PERMITTED LIST - ()

SES-REG-20200519-00543 E E040102 Consolidated Communications Enterprise Services, Inc.
Registration 05/18/2020 - 05/18/2035
Grant of Authority Date Effective: 07/09/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Charleston
LOCATION: 805 Seventh Street, Coles, Charleston, IL
39 ° 29 ' 28.70 " N LAT. 88 ° 10 ' 23.80 " W LONG.

ANTENNA ID: Charleston 5 meters Antenna Tech Corp Simulsat 5M

3700.0000 - 4200.0000 MHz 36M0F8W 0.00 dBW Analog and digital video

Points of Communication:

Charleston - PERMITTED LIST - ()

SES-RWL-20200318-00255 E E8686 KENS-TV, INC. 04/19/2020 - 04/19/2035
Renewal
Grant of Authority Date Effective: 07/09/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 5400 FREDRICKSBURG RD., BEXAR, SAN ANTONIO, TX
 29 ° 30 ' 28.00 " N LAT. 98 ° 33 ' 40.00 " W LONG.

ANTENNA ID: 1 7 meters SCIENTIFIC ATLANTA 8010
 3700.0000 - 4200.0000 MHz 36M0G7W Digital audio and video signals

ANTENNA ID: CBS BU 4.5 meters DH 4.5M.
 3700.0000 - 4200.0000 MHz 36M0G7W Digital audio and video signals

ANTENNA ID: Utility 3.8 meters PATRIOT PRT380
 3700.0000 - 4200.0000 MHz 36M0G7W Digital audio and video signals

ANTENNA ID: Justice 3.8 meters DH 38AE
 3700.0000 - 4200.0000 MHz 36M0G7W Digital audio and video signals

ANTENNA ID: Estrella 3.8 meters PATRIOT PRT380
 3700.0000 - 4200.0000 MHz 36M0G7W Digital audio and video signals

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20200423-00446 E E940534 ORBCOMM License Corp. 06/12/2020 - 06/12/2035
Renewal
Grant of Authority Date Effective: 07/14/2020

Class of Station: Other

Nature of Service: Other

SITE ID: Blanket Sub License
LOCATION: 21700 Atlantic Boulevard, Fairfax, Dulles, VA

ANTENNA ID:	1	1 meters	VARIOUS	DIPOLE
	148.0000 - 149.9000 MHz		5K00G1D 7.00 dBW	SDPSK/FDMA
ANTENNA ID:	WHIP 1/2		VARIOUS	VARIOUS
	148.0000 - 150.0500 MHz		5K00G1D 9.00 dBW	S-DPSK
	137.0000 - 138.0000 MHz		5K00G1D 0.00 dBW	S-DPSK
ANTENNA ID:	WHIP 1/4		VARIOUS	VARIOUS
	148.0000 - 150.0500 MHz		5K00G1D 6.00 dBW	S-DPSK
	137.0000 - 138.0000 MHz		5K00G1D 0.00 dBW	S-DPSK
ANTENNA ID:	FLAT PANE		VARIOUS	VARIOUS
	148.0000 - 150.0500 MHz		5K00G1D 5.00 dBW	S-DPSK
	137.0000 - 138.0000 MHz		5K00G1D 0.00 dBW	S-DPSK
ANTENNA ID:	HELIX		VARIOUS	VARIOUS
	148.0000 - 150.0500 MHz		5K00G1D 7.00 dBW	S-DPSK
	137.0000 - 138.0000 MHz		5K00G1D 0.00 dBW	S-DPSK

Points of Communication:

Blanket Sub License - ORBCOMM GEN1 (S2103) - (NGSO)

SES-RWL-20200615-00633 E E8359 CBS Television Stations Inc.
 Renewal 07/23/2020 - 07/23/2035
 Grant of Authority Date Effective: 07/10/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
 LOCATION: 8900 NW 18TH TER., MIAMI-DADE, MIAMI, FL
 25 ° 47 ' 22.30 " N LAT. 80 ° 20 ' 28.10 " W LONG.

ANTENNA ID:	1	9 meters	HARRIS	5251
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Audio, Video, Data
ANTENNA ID:	2	4.5 meters	COMMSCOPE	ESA45
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Audio, Video, Data

ANTENNA ID:	3	4.5 meters	DH SATELLITE	4.5M
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Audio, Video, Data
ANTENNA ID:	4	7.3 meters	ASC SIGNAL	ES73
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Audio, Video, Data
ANTENNA ID:	5	4.8 meters	GENERAL DYNAMICS SATCOM	4.8METER
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Audio, Video, Data
ANTENNA ID:	6	10 meters	SCIENTIFIC ATLANTA	8002-HP
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Audio, Video, Data

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20200615-00634	E	E050205	Gray Television Licensee, LLC	
Renewal				07/12/2020 - 07/12/2035
Grant of Authority				Date Effective: 07/10/2020

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
 LOCATION: 815 -23RD AVE. (WTOK), LAUDERDALE, MERIDIAN, MS
 32 ° 21 ' 57.00 " N LAT. 88 ° 42 ' 6.00 " W LONG.

ANTENNA ID:	4.5M.	4.5 meters	ANDREW CORPORATION	ESA45-46A
	3700.0000 - 4200.0000 MHz		36M0G7F	COMPRESSED DIGITAL VIDEO
	3700.0000 - 4200.0000 MHz		36M0F3F	STANDARD ANALOG VIDEO

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20200615-00635	E	E050192	Gray Television Licensee, LLC	
Renewal				06/27/2020 - 06/27/2035
Grant of Authority				Date Effective: 07/10/2020

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
 LOCATION: 2727 RUSSELLVILE ROAD (WBKO), WARREN, BOWLING GREEN, KY
 36 ° 57 ' 41.10 " N LAT. 86 ° 29 ' 37.00 " W LONG.

ANTENNA ID:	1	4.5 meters	ANDREW CORP.	ESA45-46A
	3700.0000 - 4200.0000 MHz		36M0G7F	COMPRESSED DIGITAL VIDEO
	3700.0000 - 4200.0000 MHz		36M0F3F	STANDARD ANALOG VIDEO

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20200615-00636	E	E050204	Gray Television Licensee, LLC	
Renewal				07/11/2020 - 07/11/2035
Grant of Authority				Date Effective: 07/10/2020

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
 LOCATION: 4247 DORR STREET (WTVG), LUCAS, TOLEDO, OH
 41 ° 39 ' 7.20 " N LAT. 83 ° 38 ' 30.80 " W LONG.

ANTENNA ID:	4.5M.	4.5 meters	ANDREW CORPORATION	ESA45-46A
	3700.0000 - 4200.0000 MHz		36M0F3F	STANDARD ANALOG VIDEO
	3700.0000 - 4200.0000 MHz		36M0G7F	COMPRESSED DIGITAL VIDEO

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20200615-00640	E	E050212	Gray Television Licensee, LLC	
Renewal				07/13/2020 - 07/13/2035
Grant of Authority				Date Effective: 07/10/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
 LOCATION: 208 DEBUYS ROAD (WLOX), HARRISON, BILOXI, MS
 30 ° 23 ' 37.10 " N LAT. 89 ° 0 ' 2.70 " W LONG.

ANTENNA ID:	4.5M.	4.5 meters	ANDREW	ESA45
	3700.0000 - 4200.0000 MHz		36M0G7W	DIGITAL VIDEO CARRIER

ANTENNA ID:	Simulsat 5	5.2 meters	ATCI	SIMULSAT 5
	3700.0000 - 4200.0000 MHz		36M0G7W	DIGITAL VIDEO CARRIER

ANTENNA ID:	Pathfire	3.1 meters	PATRIOT	3.1 METER
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3700.0000 - 4200.0000 MHz	36M0G7W	DIGITAL VIDEO CARRIER
ANTENNA ID: ABC7.3	7.3 meters	ANDREW
		ESA73
3700.0000 - 4200.0000 MHz	36M0G7W	DIGITAL VIDEO CARRIER
ANTENNA ID: CBS,BU&9	4.5 meters	SSE
		8345
3700.0000 - 4200.0000 MHz	36M0G7W	DIGITAL VIDEO CARRIER

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20200615-00641	E	E050214	Gray Television Licensee, LLC	
Renewal				07/13/2020 - 07/13/2035
Grant of Authority				Date Effective: 07/10/2020

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
 LOCATION: 105 WEST FERGUSON KLTV, SMITH, TYLER, TX
 32 ° 21 ' 8.00 " N LAT. 95 ° 18 ' 2.00 " W LONG.

ANTENNA ID: 1	4.5 meters	ANDREW CORPORATION	ESA45-46A
3700.0000 - 4200.0000 MHz	36M0G7F	COMPRESSED DIGITAL VIDEO	
3700.0000 - 4200.0000 MHz	36M0F3F	STANDARD ANALOG VIDEO	

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20200616-00651	E	E050223	Scripps Broadcasting Holdings LLC	
Renewal				07/18/2020 - 07/18/2035
Grant of Authority				Date Effective: 07/10/2020

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
 LOCATION: 20777 WEST 10 MILE ROAD WXYZ, OAKLAND, SOUTHFIELD, MI
 42 ° 28 ' 13.10 " N LAT. 83 ° 14 ' 47.70 " W LONG.

ANTENNA ID: 1	4.5 meters	ANDREW CORPORATION	ESA45-46A
3700.0000 - 4200.0000 MHz	36M0F3F	STANDARD ANALOG VIDEO	
3700.0000 - 4200.0000 MHz	36M0G7F	COMPRESSED DIGITAL VIDEO	

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20200616-00654 E E050222 Scripps Broadcasting Holdings LLC
Renewal 07/18/2020 - 07/18/2035
Grant of Authority Date Effective: 07/10/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 1720 GILBERT AVENUE (WCPO-TV), HAMILTON, CINCINNATI, OH
39 ° 6 ' 48.30 " N LAT. 84 ° 29 ' 57.30 " W LONG.

ANTENNA ID:	1	4.5 meters	ANDREW CORPORATION	ESA45-4
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Multiplex Carrier
	3700.0000 - 4200.0000 MHz		36M0F3F	Standard Analog Video
	3700.0000 - 4200.0000 MHz		36M0G7F	Compressed Digital Video
ANTENNA ID:	2	4.5 meters	PATRIOT	PRT-450
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Multiplex Carrier
ANTENNA ID:	3	3.8 meters	PATRIOT	PRT-380
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Multiplex Carrier
ANTENNA ID:	4	2 meters	PATRIOT	PRT-200
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Multiplex Carrier

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20200618-00658 E E050221 Scripps Broadcasting Holdings LLC
Renewal 07/15/2020 - 07/15/2035
Grant of Authority Date Effective: 07/10/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 515 N. 44TH STREET (KNXV-TV Studio RO 1), MARICOPA, PHOENIX, AZ
33 ° 27 ' 15.50 " N LAT. 111 ° 59 ' 5.30 " W LONG.

ANTENNA ID:	1	3.7 meters	DH SATELLITE	3.7M.
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3700.0000 - 4200.0000 MHz	36M0G7F	COMPRESSED DIGITAL VIDEO
3700.0000 - 4200.0000 MHz	36M0F3F	STANDARD ANALOG

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20200624-00670 E E950302 Westar Satellite Services LP
 Renewal 09/22/2020 - 09/22/2035
 Grant of Authority Date Effective: 07/14/2020

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service, International Fixed Satellite Service

SITE ID: 1
 LOCATION: 777 WESTAR, DALLAS, CEDAR HILL, TX
 32 ° 34 ' 40.40 " N LAT. 96 ° 58 ' 52.40 " W LONG.

ANTENNA ID: 1 7.3 meters ANDREW ES73HS-NH

5925.0000 - 6425.0000 MHz	36M0F8W	78.30 dBW
5925.0000 - 6425.0000 MHz	36M0G7W	78.30 dBW
3700.0000 - 4200.0000 MHz	36M0F8W	
3700.0000 - 4200.0000 MHz	36M0G7W	

Points of Communication:

1 - AMC-4 (S2135) - (134.9 W.L.)

1 - PERMITTED LIST - ()

SES-RWL-20200624-00673 E E950466 Community Communications, Inc
 Renewal 08/18/2020 - 08/18/2035
 Grant of Authority Date Effective: 07/14/2020

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
 LOCATION: 11510 EAST COLONIAL DRIVE, ORANGE, ORLANDO, FL
 28 ° 33 ' 54.00 " N LAT. 81 ° 12 ' 46.00 " W LONG.

ANTENNA ID: 1 3.7 meters MICRODYNE CORP. PR-12

3700.0000 - 4200.0000 MHz	200KF3E
3700.0000 - 4200.0000 MHz	30K0F1D

Points of Communication:

1 - PERMITTED LIST - ()

SES–STA–20200610–00616 E E181611 Maris Developments

Special Temporary Authority

Grant of Authority

Date Effective: 07/09/2020

Class of Station:

On July 9, 2020, Maris Development was granted special temporary authority for 30 days, beginning July 15, 2020, to operate its Boardman, OR earth station with the Capella-2 (Sequoia) (call sign WJ2XJE) NGSO satellite orbiting in a 550 X 550 km orbit inclined to 97.6° on center frequencies: 2036 MHz (Earth-to-space) and 8212.5 MHz and 8027 MHz (space to Earth) on a non-protected and non-interference basis.

Points of Communication:

SES–STA–20200610–00617 E E181423 Haras Development

Special Temporary Authority

Grant of Authority

Date Effective: 07/09/2020

Class of Station:

On July 9, 2020, Haras Development was granted special temporary authority for 30 days, beginning July 15, 2020, to operate its Dublin, OH earth station with the Capella-2 (Sequoia) (call sign WJ2XJE) NGSO satellite orbiting in a 550 X 550 km orbit inclined to 97.6° on center frequencies 2036 MHz (Earth-to-space) and 8212.5 MHz and 8027 MHz (space to Earth) on a non-protected and non-interference basis.

Points of Communication:

SES–STA–20200619–00663 E E170039 Intelsat License LLC, as debtor-in-possession

Special Temporary Authority

Grant of Authority

Date Effective: 07/13/2020

Class of Station:

On July 13, 2020, Intelsat License LLC as debtor-in possession requests special temporary authority for 30 days, beginning July 14, 2020, to operate its fixed earth station in Riverside, CA to provide launch and early orbit phase (LEOP) services for the ANASIS-II satellite at the 116.2° E.L. orbital location in the 29.95 GHz and 29.999 GHz (Earth-to-space), and 20.150 GHz and 20.435 GHz (space-to-Earth) frequency bands.

Points of Communication:

SES–STA–20200710–00743 E E040469 World Religious Relief, Inc., dba The Word Network

Special Temporary Authority

Grant of Authority

Date Effective: 07/13/2020

Class of Station:

On July 13, 2020, the World Religious Relief, Inc. dba The Word Network was granted special temporary authority for 30 days, beginning July 13, 2020, to continue to operate two 9.3-meter antennas in South Field, Michigan on a non-interference basis and within the operating parameters granted in IBFS File Number SES-MOD-20130606-00475 in the 5925 -6425 MHz (Earth-to space) frequency band. Grant of authorization to operate in the 3700-4200 MHz (space-to-Earth) frequency band is not included in this grant but The Word Network may continue to operate on a non-protected basis.

Points of Communication:

Dismissal

SES-REG-20200708-00721 E202124 City of Wilson

Application is dismissed pursuant to Section 25.112 of the Commission's Rules. The application was filed outside the limited earth station registration application filing window (April 18, 2018 - November 7, 2018) established by the Commission. See Expanding Flexible Use of the 3.7 to 4.2 GHz Band, Report and Order and Order of Proposed Modification, 35 FCC Rcd 2343, 2390 para. 116-17 (2020) (3.7 GHz Report and Order).

SES-STA-20191030-01797 E910609 SpeedCast Communications Inc

Application dismissed as moot. See IBFS File No. SES-MOD-20190225-00191 withdrawn on 12/6/2019.

SES-STA-20191126-01798 E950499 DG Consents Sub, Inc.

Application dismissed as moot. See IBFS File No. SES-MOD-20181105-03445 granted on 12/6/2019.

SES-STA-20200102-00726 GCI Communication Corp.

Application dismissed as moot. See IBFS File No. SES-LIC-20191018-01338 granted on 4/29/2020.

SES-STA-20200102-00727 E190860 GCI Communication Corp.

Application dismissed as moot. See IBFS File No. SES-LIC-20191022-01366 granted 4/27/2020.

SURRENDER

SES-REG-20181011-03033 E181866 WHEC-TV, LLC

License surrendered by email sent on July 14, 2020.

SES-REG-20181011-05362 E200068 KAAL-TV, LLC

License surrendered by email sent on July 14, 2020.

SES-RWL-20060417-00677 E860369 KOB-TV, LLC

License surrendered by email sent on July 14, 2020.

SES-RWL-20091007-01304 E6641 GCI Communication Corp.

License surrendered by letter filed on July 10, 2020.

SES-RWL-20110831-01010 E010193 Iridium Constellation LLC

License surrendered by letter filed on July 10, 2020.

SES-RWL-20170406-00372 E920456 KOB-TV, LLC

License surrendered by email sent on July 14, 2020.

For more information concerning this Notice, contact the Satellite Division at 418-0719; TTY 1-888-835-5322.