



PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION
445 12th STREET S.W.
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Report No. SES-02282

Wednesday July 8, 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-20181016-03222 E E181390 Falcon Cable Media, a California Limited Partnership
Amendment
Grant of Authority Date Effective: 07/06/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 850 E Ocean Rd, Onslow, Holly Ridge, NC
34 ° 28 ' 52.40 " N LAT.

77 ° 33 ' 19.80 " W LONG.

ANTENNA ID:	1	5 meters	Antenna Technology Corp.	Simulsat 5M
		3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	2	5 meters	Scientific-Atlanta	8008B
		3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	3	4.6 meters	Andrew	ESA46
		3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	4	4.6 meters	Scientific-Atlanta	8346
		3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	5	4.5 meters	Andrew	ESA45

3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video, Audio, Data
ANTENNA ID: 6	4.5 meters DH Satellite	4.5M
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video, Audio, Data
ANTENNA ID: 7	4.5 meters Scientific-Atlanta	8345
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video, Audio, Data
ANTENNA ID: 8	3.8 meters Comtech	934D0015-G5
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video, Audio, Data
ANTENNA ID: 9	3.7 meters Prodelin	1374
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video, Audio, Data
ANTENNA ID: 10	1.8 meters Patriot	TX-INT180KU
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video, Audio, Data
ANTENNA ID: 11	7 meters Simulsat	Simulsat 7
3700.0000 - 4200.0000 MHz	36M0G7W	Video, Audio, Data
ANTENNA ID: 12	2.8 meters Comm Scope	Prime Focus (C Band)
3700.0000 - 4200.0000 MHz	36M0G7W	Video, Audio, Data
ANTENNA ID: 13	2.8 meters Comm Scope	Prime Focus (C Band)
3700.0000 - 4200.0000 MHz	36M0G7W	Video, Audio, Data
ANTENNA ID: 14	2.8 meters Comm Scope	Prime Focus (C Band)
3700.0000 - 4200.0000 MHz	36M0G7W	Video, Audio, Data
ANTENNA ID: 15	2.8 meters Comm Scope	Prime Focus (C Band)
3700.0000 - 4200.0000 MHz	36M0G7W	Video, Audio, Data

Points of Communication:

1 - PERMITTED LIST - ()

SES-AMD-20181016-03228 E E181406 Spectrum Sunshine State, LLC
 Amendment
 Grant of Authority

Date Effective: 07/06/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 3728 Arrow St, Kern, Bakersfield, CA
35 ° 23 ' 36.60 " N LAT.

119 ° 2 ' 16.80 " W LONG.

ANTENNA ID:	1	5 meters	Antenna Technology Corp.	Simulsat 5M
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	2	5 meters	Scientific-Atlanta	8008B
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	3	4.6 meters	Andrew	ESA46
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	4	4.6 meters	Scientific-Atlanta	8346
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	5	4.5 meters	Andrew	ESA45
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	6	4.5 meters	DH Satellite	4.5M
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	7	4.5 meters	Scientific-Atlanta	8345
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	8	3.8 meters	Comtech	934D0015-G5
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	9	3.7 meters	Prodelin	1374
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	10	1.8 meters	Patriot	TX-INT180KU
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	11	5 meters	ATCi	Simulsat
	3700.0000 - 4200.0000 MHz		36M0G7W	Video, Audio, Data

Points of Communication:

1 - PERMITTED LIST - ()

SES-AMD-20181016-03230 E E181391 Falcon Video Communications, L.P.

Amendment

Grant of Authority

Date Effective: 07/06/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

See IBFS File No. SES-REG-20180717-02239 for a description of this application.

SITE ID: 1

LOCATION: 144 Williams St, Okanogan, Elmer City, WA

48 ° 0 ' 13.70 " N LAT.

118 ° 56 ' 55.80 " W LONG.

ANTENNA ID:	1	5 meters	Antenna Technology Corp.	Simulsat 5M
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	2	5 meters	Scientific-Atlanta	8008B
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	3	4.6 meters	Andrew	ESA46
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	4	4.6 meters	Scientific-Atlanta	8346
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	5	4.5 meters	Andrew	ESA45
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	6	4.5 meters	DH Satellite	4.5M
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	8	3.8 meters	Comtech	934D0015-G5
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	9	3.7 meters	Prodelin	1374
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	10	1.8 meters	Patriot	TX-INT180KU
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data

ANTENNA ID:	7	4.5 meters	Scientific-Atlanta	8345
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	11	4 meters	Patriot	Unknown
	3700.0000 - 4200.0000 MHz		36M0G7W	Video, Audio, Data
ANTENNA ID:	12	5 meters	SA	Unknown
	3700.0000 - 4200.0000 MHz		36M0G7W	Video, Audio, Data
ANTENNA ID:	13	3.5 meters	SA	Unknown
	3700.0000 - 4200.0000 MHz		36M0G7W	Video, Audio, Data
ANTENNA ID:	14	4 meters	Patriot	Unknown
	3700.0000 - 4200.0000 MHz		36M0G7W	Video, Audio, Data
ANTENNA ID:	15	5 meters	SA	Unknown
	3700.0000 - 4200.0000 MHz		36M0G7W	Video, Audio, Data

Points of Communication:

1 - PERMITTED LIST - ()

SES-AMD-20181016-03239 E E181394 Spectrum Mid-America, LLC
 Amendment
 Grant of Authority Date Effective: 07/06/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

See IBFS File No. SES-REG-20180717-02242 for a description of the application.

SITE ID: 1
 LOCATION: 75 Westwoods Blvd, Franklin, Galloway/New Rome, OH
 39 ° 56 ' 59.10 " N LAT. 83 ° 8 ' 52.30 " W LONG.

ANTENNA ID:	1	5 meters	Antenna Technology Corp.	Simulsat 5M
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	2	5 meters	Scientific-Atlanta	8008B
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	3	4.6 meters	Andrew	ESA46

3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video, Audio, Data
ANTENNA ID: 4	4.6 meters Scientific-Atlanta	8346
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video, Audio, Data
ANTENNA ID: 5	4.5 meters Andrew	ESA45
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video, Audio, Data
ANTENNA ID: 6	4.5 meters DH Satellite	4.5M
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video, Audio, Data
ANTENNA ID: 7	4.5 meters Scientific-Atlanta	8345
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video, Audio, Data
ANTENNA ID: 8	3.8 meters Comtech	934D0015-G5
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video, Audio, Data
ANTENNA ID: 9	3.7 meters Prodelin	1374
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video, Audio, Data
ANTENNA ID: 10	1.8 meters Patriot	TX-INT180KU
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video, Audio, Data
ANTENNA ID: 11	4.5 meters Patriot	Unknown
3700.0000 - 4200.0000 MHz	36M0G7W	Video, Audio, Data

Points of Communication:

1 - PERMITTED LIST - ()

SES-AMD-20181016-03250 E E181405 Spectrum Oceanic, LLC
Amendment

Grant of Authority

Date Effective: 07/07/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

See IBFS File No. SES-REG-20180717-02255 for a description of this application.

SITE ID: 1

LOCATION: 200 Akamainui St, Honolulu, Mililani, HI

21 ° 28 ' 39.90 " N LAT.

158 ° 1 ' 10.45 " W LONG.

ANTENNA ID:	1	5 meters	Scientific-Atlanta	8008B
			36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	2	5 meters	Antenna Technology Corp.	Simulsat 5M
			36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	3	4.6 meters	Andrew	ESA46
			36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	4	4.6 meters	Scientific-Atlanta	8346
			36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	5	4.5 meters	Andrew	ESA45
			36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	6	4.5 meters	DH Satellite	4.5M
			36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	7	4.5 meters	Scientific-Atlanta	8345
			36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	8	3.8 meters	Comtech	934D0015-G5
			36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	9	3.7 meters	Prodelin	1374
			36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	10	1.8 meters	Patriot	TX-INT180KU
			36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	11	7 meters	Vertex RSI	7-meter
			36M0G7W	Video, Audio, Data
ANTENNA ID:	12	7.3 meters	Comtech	N/A
			36M0G7W	Video, Audio, Data
ANTENNA ID:	13	10 meters	Scientific-Atlanta	S40701
			36M0G7W	Video, Audio, Data

ANTENNA ID:	14	7 meters	Vertex RSI	7-meter
	3700.0000 - 4200.0000 MHz		36M0G7W	Video, Audio, Data
ANTENNA ID:	15	4.5 meters	Patriot	N/A
	3700.0000 - 4200.0000 MHz		36M0G7W	Video, Audio, Data
ANTENNA ID:	16	7 meters	Scientific-Atlanta	N/A
	3700.0000 - 4200.0000 MHz		36M0G7W	Video, Audio, Data
ANTENNA ID:	17	7.3 meters	Com tech	N/A
	3700.0000 - 4200.0000 MHz		36M0G7W	Video, Audio, Data
ANTENNA ID:	18	7.3 meters	Vertex RSI	7.3-Meter
	3700.0000 - 4200.0000 MHz		36M0G7W	Video, Audio, Data

Points of Communication:

1 - PERMITTED LIST - ()

SES-AMD-20181016-03255 E E181233 Charter Communications Operating, LLC

Amendment

Grant of Authority

Date Effective: 07/07/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

See IBFS File No. SES-REG-20180703-01992 for a description of this application.

SITE ID: 1

LOCATION: 700 Carillon Pkwy, Pinellas, St Petersburg, FL

27 ° 53 ' 16.40 " N LAT.

82 ° 40 ' 7.60 " W LONG.

ANTENNA ID:	1	5 meters	ATCi	Simulsat 5M
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	2	5 meters	Scientific-Atlanta	8008B
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	3	4.6 meters	Andrew	ESA46
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	4	4.6 meters	Scientific-Atlanta	8346

3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video, Audio, Data
ANTENNA ID: 5	4.5 meters Andrew	ESA45
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video, Audio, Data
ANTENNA ID: 6	4.5 meters DH Satellite	4.5M
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video, Audio, Data
ANTENNA ID: 7	4.5 meters Scientific-Atlanta	8345
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video, Audio, Data
ANTENNA ID: 8	3.8 meters Comtech	934D0015-G5
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video, Audio, Data
ANTENNA ID: 9	3.7 meters Prodelin	1374
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video, Audio, Data
ANTENNA ID: 10	1.8 meters Patriot	TX-INT180KU
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video, Audio, Data
ANTENNA ID: 11	2.4 meters Prodelin	1251
3700.0000 - 4200.0000 MHz	36M0G7W	Video, Audio, Data
ANTENNA ID: 12	2.4 meters Prodelin	1251
3700.0000 - 4200.0000 MHz	36M0G7W	Video, Audio, Data
ANTENNA ID: 13	2.4 meters Prodelin	1251
3700.0000 - 4200.0000 MHz	36M0G7W	Video, Audio, Data

Points of Communication:

1 - PERMITTED LIST - ()

SES-AMD-20181016-03288 E E181398 Bresnan Communications, LLC
 Amendment
 Grant of Authority

Date Effective: 07/07/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

See IBFS File No. SES-REG-20180717-02246 for a description of this application.

SITE ID: 1
LOCATION: 440 S Beech St, Natrona, Casper, WY
42 ° 50 ' 44.90 " N LAT.

106 ° 19 ' 16.40 " W LONG.

ANTENNA ID:	1	5 meters	Antenna Technology Corp.	Simulsat 5M
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	2	5 meters	Scientific-Atlanta	8008B
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	3	4.6 meters	Andrew	ESA46
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	4	4.6 meters	Scientific-Atlanta	8346
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	5	4.5 meters	Andrew	ESA45
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	6	4.5 meters	DH Satellite	4.5M
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	7	4.5 meters	Scientific-Atlanta	8345
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	9	3.7 meters	Prodelin	1374
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	10	1.8 meters	Patriot	TX-INT180KU
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	11	5 meters	Comtech	Unknown
	3700.0000 - 4200.0000 MHz		36M0G7W	Video, Audio, Data
ANTENNA ID:	12	3.8 meters	Comtech	Unknown
	3700.0000 - 4200.0000 MHz		36M0G7W	Video, Audio, Data
ANTENNA ID:	13	3.8 meters	Prodelin	Unknown
	3700.0000 - 4200.0000 MHz		36M0G7W	Video, Audio, Data

ANTENNA ID:	14	3.8 meters	Patriot	Unknown
	3700.0000 - 4200.0000 MHz		36M0G7W	Video, Audio, Data
ANTENNA ID:	15	3.1 meters	Prodelin	Unknown
	3700.0000 - 4200.0000 MHz		36M0G7W	Video, Audio, Data
ANTENNA ID:	8	3.8 meters	Comtech	934D0015-05
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data

Points of Communication:

1 - PERMITTED LIST - ()

SES-AMD-20191117-01514 E E6527 RCN Telecom Services (Lehigh) LLC
 Amendment
 Grant of Authority Date Effective: 07/06/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
 LOCATION: 5508 Nor Bath Blvd., Lehigh, Northampton, PA
 40 ° 42 ' 0.00 " N LAT. 75 ° 25 ' 58.00 " W LONG.

ANTENNA ID:	1	7 meters	MICRODYNE	SATRO 7M
	3700.0000 - 4200.0000 MHz		36M0G7F	Digital Modulation Data Services

Points of Communication:

1 - PERMITTED LIST - ()

SES-AMD-20200622-00669 E E200453 SpaceX Services, Inc.
 Amendment
 Withdrawn Date Effective: 07/06/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Kalama WA Gateway
 LOCATION: Cowlitz, Kalama, WA
 46 ° 2 ' 20.30 " N LAT. 122 ° 48 ' 29.60 " W LONG.

ANTENNA ID:	CO-1	1.47 meters	SpaceX	1.47M
	29500.0000 - 30000.0000 MHz		480MD7W	60.50 dBW
				BPSK up to 64 QAM; Digital Data
	27500.0000 - 29100.0000 MHz		480MD7W	60.50 dBW
				BPSK up to 64 QAM; Digital Data

18800.0000 - 19300.0000 MHz	480MD7W	0.00 dBW	BPSK up to 64 QAM; Digital Data
17800.0000 - 18600.0000 MHz	480MD7W	0.00 dBW	BPSK up to 64 QAM; Digital Data
ANTENNA ID: LO-1	1.47 meters	SPACEX	1.47M
29500.0000 - 30000.0000 MHz	480MD7W	60.50 dBW	BPSK up to 64 QAM; Digital Data
27500.0000 - 29100.0000 MHz	480MD7W	60.50 dBW	BPSK up to 64 QAM; Digital Data
18800.0000 - 19300.0000 MHz	480MD7W		BPSK up to 64 QAM; Digital Data
17800.0000 - 18600.0000 MHz	480MD7W		BPSK up to 64 QAM; Digital Data

Points of Communication:

Kalama WA Gateway - SPACEX (S2983/3018) - (NGSO)

SES-MFS-20200501-00470 E E120106 AC BidCo LLC
 Modification 05/01/2013 - 05/01/2028
 Grant of Authority Date Effective: 07/07/2020

Class of Station: Other

Nature of Service: Earth Station Aboard Aircraft, Fixed Satellite Service, Other

SITE ID: AES1
 LOCATION: UP TO 1000 ESAA TERMINALS (0.24 m)/, CONUS and OCONUS

ANTENNA ID: AES1	0.24 meters	AeroSat	HR6400
14000.0000 - 14500.0000 MHz	8M00G7D	44.50 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	6M94G7D	44.45 dBW	DIGITAL DATA SERVICES
11700.0000 - 12200.0000 MHz	30M0G7D		Digital Data Services
10950.0000 - 11200.0000 MHz	30M0G7D		Digital Data Services
11450.0000 - 11700.0000 MHz	30M0G7D		Digital Data Services
14000.0000 - 14500.0000 MHz	6M56G7D	44.43 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	6M00G7D	44.40 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	4M10G7D	42.80 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	2M34G7D	44.63 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	2M40G7D	43.89 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	2M50G7D	44.57 dBW	DIGITAL DATA SERVICES

14000.0000 - 14500.0000 MHz	3M66G7D	44.55 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	3M79G7D	44.48 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	3M89G7D	44.55 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	3M90G7D	44.49 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	6M57G7D	44.53 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	882KG7D	44.56 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	9M36G7D	42.32 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	8M19G7D	43.20 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	4M10G7D	38.10 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	1M40G7D	44.60 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	1M00G7W	44.33 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	1M20G7W	44.20 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	1M67G7W	42.74 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	1M75G7W	43.10 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	2M00G7W	44.50 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	3M00G7W	44.50 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	4M00G7W	44.50 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	5M00G7W	44.50 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	6M76G7W	43.50 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	830KG7W	42.40 dBW	DIGITAL DATA SERVICES
12200.0000 - 12750.0000 MHz	30M0G7D	0.00 dBW	Digital Data Services
14000.0000 - 14500.0000 MHz	6M35G7W	43.70 dBW	Digital Data Services
14000.0000 - 14500.0000 MHz	2M50G7W	44.25 dBW	Digital Data Services
14000.0000 - 14500.0000 MHz	2M30G7W	44.50 dBW	Digital Data Services
14000.0000 - 14250.0000 MHz	2M05G7W	42.67 dBW	Digital Data Services
11200.0000 - 11450.0000 MHz	30M0G7W		Digital Data Services

10700.0000 - 12750.0000 MHz	138MG7W		DIGITAL DATA SERVICES
SITE ID: AES2			
LOCATION: UP TO 2500 ESAA TERMINALS (0.74 m), CONUS and OCONUS			
ANTENNA ID: AES2	0.74 meters	THINKOM	2KUANTENNA
14000.0000 - 14500.0000 MHz	7M28G7D	41.60 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	1M51G7D	44.60 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	1M80G7D	43.20 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	2M00G7D	43.90 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	2M00G7D	44.60 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	2M10G7D	44.20 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	2M27G7D	44.60 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	2M40G7D	44.50 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	3M00G7D	44.50 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	3M60G7D	44.60 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	4M10G7D	41.60 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	4M80G7D	44.60 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	5M60G7D	44.50 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	5M64G7D	40.70 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	5M83G7D	44.50 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	5M97G7D	43.10 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	6M72G7D	42.30 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	7M17G7D	40.90 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	7M40G7D	41.40 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	7M50G7D	41.60 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	8M00G7D	44.60 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	8M10G7D	43.20 dBW	DIGITAL DATA SERVICES
10950.0000 - 11200.0000 MHz	30M0G7D		DIGITAL DATA SERVICES

11450.0000 - 11700.0000 MHz	30M0G7D		DIGITAL DATA SERVICES
11700.0000 - 12200.0000 MHz	30M0G7D		DIGITAL DATA SERVICES
12250.0000 - 12750.0000 MHz	30M0G7D		DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	1M00G7W	44.71 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	1M20G7W	44.50 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	1M75G7W	42.60 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	2M00G7W	46.98 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	3M00G7W	50.20 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	4M00G7W	45.94 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	6M00G7W	45.08 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	7M48G7W	43.87 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	930KG7W	42.40 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	7M20G7W	42.43 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	6M35G7W	44.80 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	5M05G7W	45.50 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	2M50G7W	48.70 dBW	DIGITAL DATA SERVICES
14000.0000 - 14250.0000 MHz	2M05G7W	41.70 dBW	DIGITAL DATA SERVICES
11200.0000 - 11450.0000 MHz	30M0G7W		DIGITAL DATA SERVICES
10700.0000 - 12750.0000 MHz	138MG7W		DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	14M7G7D	47.25 dBW	DIGITAL DATA SERVICES

Points of Communication:

AES1 - ABS-3A (S2987) - (3 W. L.)

AES1 - ABS-3A (S2987) - (3.0 W.L.)

AES1 - AMAZONAS 2 (S2793) - (61 W.L.)

AES1 - AMC 21 - (124.9 W.L.)

AES1 - AMC-1(S2445) - (130.90)

AES1 - AMC-6 (S2347) - (83 W.L.)

AES1 - ANIK FIR - (107.3 W.L.)

AES1 - APSTAR 5 - (138 E.L.)

AES1 - APSTAR 6C(M161190) - (134 E.L.)

AES1 - ARSAT-2 - (81.0 W.L.)

AES1 - AsiaSat 7 - (105.5 E.L.)

AES1 - AsiaSat-9 - (122 E.L.)

AES1 - ASTRA 4A - (4.8 E.L.)

AES1 - E117 WA (S2873) - (116.8 W.L.)

AES1 - EUTELSAT115WB(S2938) - (114.9 W.L.)

AES1 - EUTELSAT172B(S3021) - (172 E.L.)

AES1 - GALAXY 17 (S2715) - (91 W.L.)

AES1 - GALAXY 28 (S2160) - (89.0 W.L.)

AES1 - HORIZONS-3 (S2947) - (169 E.L.)

AES1 - INTELSAT 14 (S2785) - (45.0 W.L.)

AES1 - INTELSAT 18 (S2817) - (180 E.L.)

AES1 - INTELSAT 19 (S2850) - (166.0 E.L.)

AES1 - INTELSAT 20 - (68.5 E.L.)

AES1 - INTELSAT 21 (S2863) - (58.0 W.L.)

AES1 - INTELSAT 22 - (72.1 E. L.)

AES1 - INTELSAT 29e (S2913) - (50.0 W.L.)

AES1 - INTELSAT 33e (S2939) - (60.0 E.L.)

AES1 - INTELSAT 37e (S2972) - (18.0 W.L.)

AES1 - INTELSAT 39 (S3023) - (61.95 E.L.)

AES1 - INTELSAT 901 (S2405) - (27.5 W.L.)

AES1 - INTELSAT 907 (S2411) - (27.5 W.L.)

AES1 - JCSAT 5A - (132 E.L.)

AES1 - JCSAT-2B(M174163) - (154 E.L.)

AES1 - JCSAT-3A - (128 E.L.)

AES1 - OPTUS D2 - (152 E.L.)

AES1 - SES-1 (S2807) - (101.0 W.L.)

AES1 - SES-10 (S2950) - (66.9 W.L.)

AES1 - SES-14 (S2974) - (47.5 W.L.)

AES1 - SES-15 (S2951) - (129.15 W.L.)

AES1 - SES-2 (S2826) - (87 W.L.)

AES1 - SES-3 (S2892) - (103 W.L.)

AES1 - SES-4 (S2828) - (22.0 W.L.)

AES1 - SES-6 (S2870) - (40.5 W.L.)

AES1 - SKY-B1(S2922) - (43.15 W.L.)

AES1 - TELSTAR 11N (S2357) - (37.5 W.L.)

AES1 - TELSTAR 12 V (S2933) - (15 W.L.)

AES1 - TELSTAR 18 - (138 E. L.)

AES1 - Yamal 300K - (177 W.L.)

AES1 - Yamal 401 - (90 E.L.)

AES2 - AMAZONAS 2 (S2793) - (61 W.L.)

AES2 - AMC 21 - (124.9 W.L.)

AES2 - AMC-4 (S2135) - (134.9 W.L.)

AES2 - AMC-6 (S2347) - (83 W.L.)

AES2 - AMC-6 (S2347) - (83 W.L.)

AES2 - ANIK FIR - (107.3 W.L.)

AES2 - APSTAR 5 - (138 E.L.)

AES2 - APSTAR 6C(M161190) - (134 E.L.)

AES2 - ARSAT-2 - (81.0 W.L.)

AES2 - AsiaSat 7 - (105.5 E.L.)

AES2 - AsiaSat-9 - (122 E.L.)

AES2 - ASTRA 4A - (4.8 E.L.)

AES2 - E117 WA (S2873) - (116.8 W.L.)

AES2 - EUTELSAT115WB(S2938) - (114.9 W.L.)

AES2 - GALAXY 17 (S2715) - (91 W.L.)

AES2 - GALAXY 28 (S2160) - (89.0 W.L.)

AES2 - HORIZONS-3 (S2947) - (169 E.L.)

AES2 - INTELSAT 14 (S2785) - (45.0 W.L.)

AES2 - INTELSAT 18 (S2817) - (180 E.L.)

AES2 - INTELSAT 19 (S2850) - (166.0 E.L.)

AES2 - INTELSAT 20 - (68.5 E.L.)

AES2 - INTELSAT 21 (S2863) - (58.0 W.L.)

AES2 - INTELSAT 22 - (72.1 E. L.)

AES2 - INTELSAT 29e (S2913) - (50.0 W.L.)

AES2 - INTELSAT 33e (S2939) - (60.0 E.L.)

AES2 - INTELSAT 37e (S2972) - (18.0 W.L.)

AES2 - INTELSAT 39 (S3023) - (61.95 E.L.)

AES2 - INTELSAT 901 (S2405) - (27.5 W.L.)

AES2 - JCSAT-110A - (110 E. L.)

AES2 - JCSAT-2B(M174163) - (154 E.L.)

AES2 - JCSAT-3A - (128 E.L.)

AES2 - OPTUS D2 - (152 E.L.)

AES2 - SES-1 (S2807) - (101.0 W.L.)

AES2 - SES-10 (S2950) - (66.9 W.L.)

AES2 - SES-14 (S2974) - (47.5 W.L.)

AES2 - SES-15 (S2951) - (129.15 W.L.)

AES2 - SES-3 (S2892) - (103 W.L.)

AES2 - SES-4 (S2828) - (22.0 W.L.)

AES2 - SES-6 (S2870) - (40.5 W.L.)

AES2 - SKY-B1(S2922) - (43.15 W.L.)

AES2 - TELSTAR 11N (S2357) - (37.5 W.L.)

AES2 - TELSTAR 12 V (S2933) - (15 W.L.)

AES2 - TELSTAR 18 - (138 E. L.)

AES2 - Yamal 300K - (177 W.L.)

AES2 - Yamal 401 - (90 E.L.)

SES-MOD-20180920-03672 E E180203 WLFL Licensee, LLC
Application for Modification
Grant of Authority

05/04/2018 - 05/04/2033
Date Effective: 07/07/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 3012 Highwoods BLVD, Wake, Raleigh, NC
35 ° 49 ' 17.30 " N LAT.

78 ° 36 ' 14.90 " 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	AFC	5M
3700.0000 - 4200.0000 MHz		36M0G7W	DIGITAL VIDEO AND DATA
ANTENNA ID: 3	3 meters	AFC	ES3M
3700.0000 - 4200.0000 MHz		36M0G7W	DIGITAL VIDEO AND DATA
ANTENNA ID: 4	4.6 meters	EASI	EASI4.5M
3700.0000 - 4200.0000 MHz		36M0G7W	DIGITAL VIDEO AND DATA

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20180921-03687 E E180200 WSBT LICENSEE, LLC
Application for Modification
Grant of Authority

05/03/2018 - 05/03/2033
Date Effective: 07/07/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 1301 E. Douglas Rd, St Joseph, Mishawaka, IN
41 ° 42 ' 28.70 " N LAT.

86 ° 9 ' 56.50 " W LONG.

ANTENNA ID: 1	4.5 meters	Scientific Atlanta	4.5M
3700.0000 - 4200.0000 MHz		36M0G7W	digital data: various FEC, data rates and modulation

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20180921-03792 E E180496 WZTV Licensee, LLC

Application for Modification
Grant of Authority

05/22/2018 - 05/22/2033
Date Effective: 07/07/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 631 Mainstream Drive, Davidson, Nashville, TN
36 ° 11 ' 55.00 " N LAT.

86 ° 49 ' 1.50 " W LONG.

ANTENNA ID:	1	4.5 meters	AFC	4.5
	3700.0000 - 4200.0000 MHz		36M0G7W	digital data: various FEC, data rates and modulation
ANTENNA ID:	2	4.5 meters	ASC	4.5M
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video and Data
ANTENNA ID:	3	5 meters	AFC	PR16
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video and Data
ANTENNA ID:	4	4.5 meters	PATRIOT	PRT-450
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video and Data
ANTENNA ID:	5	3.7 meters	VIKING	P370
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video and Data

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20180928-03821 E E180570 Gray Television Licensee, LLC

Application for Modification
Grant of Authority

06/01/2018 - 06/01/2033
Date Effective: 07/07/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 918 Frontage Road East, Horry, Myrtle Beach, MS
33 ° 42 ' 40.90 " N LAT.

78 ° 54 ' 10.00 " W LONG.

ANTENNA ID:	1	4.5 meters	SSE	8345
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video Carrier
ANTENNA ID:	2	3 meters	DH	30DH1

3700.0000 - 4200.0000 MHz

36M0G7W

Digital Video Carrier

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20181001-03916 E E180560 Gray Television Licensee, LLC

Application for Modification

05/31/2018 - 05/31/2033

Grant of Authority

Date Effective: 07/07/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 310 Broadway, Cape Girardeau, Cape Girardeau, MO

37 ° 18 ' 25.00 " N LAT.

89 ° 31 ' 15.00 " W LONG.

ANTENNA ID: 1 5 meters DH 50DH1

3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

ANTENNA ID: 2 3.8 meters PATRIOT PRT-380

3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20181002-03899 E E181085 Gray Television Licensee, LLC

Application for Modification

06/02/2018 - 06/02/2033

Grant of Authority

Date Effective: 07/07/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 1511 Chatham Center Drive, Chatham, Savannah, GA

32 ° 3 ' 59.30 " N LAT.

81 ° 9 ' 19.90 " W LONG.

ANTENNA ID: 1 4.5 meters PATRIOT PRT-450

3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

ANTENNA ID: 2 5 meters DH 50DH1

3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

ANTENNA ID: 3 3.8 meters PATRIOT PRT-380

3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video Carrier
ANTENNA ID: 2	4.5 meters DH	45DH1
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video Carrier
ANTENNA ID: 3	5 meters AFC	5.0METER
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video Carrier
ANTENNA ID: 4	3.7 meters PRODELIN	1374
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video Carrier
ANTENNA ID: 5	4.6 meters SCIENTIFIC ATLANTA	8346
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video Carrier
ANTENNA ID: 6	3.7 meters PRODELIN	1374
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video Carrier
ANTENNA ID: 7	3 meters ORBITRON	SX10
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video Carrier

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20181008-03904	E E180604	Gray Television Licensee, LLC	05/31/2018 - 05/31/2033
Application for Modification			Date Effective: 07/07/2020
Grant of Authority			

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 320 Division St, CALCASIEU, Lake Charles, LA
30 ° 13 ' 48.40 " N LAT. 92 ° 12 ' 56.20 " W LONG.

ANTENNA ID: 1	5.2 meters ATCi	Simulsat 5B
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video Carrier
ANTENNA ID: 2	4.5 meters ANDREW	ESA45P
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video Carrier
ANTENNA ID: 3	3.8 meters COMTECH	3.8m Dual Axis

3700.0000 - 4200.0000 MHz

36M0G7W

Digital Video Carrier

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20181011-03784 E E180328 WCTI Licensee, LLC

Application for Modification

05/08/2018 - 05/08/2033

Grant of Authority

Date Effective: 07/07/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 225 Glenburnie Drive, Craven, New Bern, NC

35 ° 8 ' 3.00 " N LAT.

77 ° 3 ' 46.00 " W LONG.

ANTENNA ID: 1 7.3 meters Andrew Corporation ESA73-46

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

ANTENNA ID: 2 4.5 meters DH SATELLITE 45DH1

3700.0000 - 4200.0000 MHz 36M0G7W DIGITAL VIDEO AND DATA

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20181012-03805 E E180229 KABB Licensee, LLC

Application for Modification

05/08/2018 - 05/08/2033

Grant of Authority

Date Effective: 07/07/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 4335 NW Loop 410, Bexar, San Antonio, TX

29 ° 29 ' 25.30 " N LAT.

98 ° 34 ' 11.50 " W LONG.

ANTENNA ID: 1 6.1 meters Vertex KPC

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

ANTENNA ID: 2 ANDREW ESA-45MTPD

3700.0000 - 4200.0000 MHz 36M0G7W Digital Video and Data

ANTENNA ID: 3 ASC ESA45MPED

3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video and Data
ANTENNA ID: 4	VIASAT	8345
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video and Data
ANTENNA ID: 5	UNITED SATELLITE SYSTEMS	500
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video and Data
ANTENNA ID: 6	S-A	SA4.2
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video and Data
ANTENNA ID: 7	PATRIOT	0AT3.8
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video and Data

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20181012-03930	E E180210	WKRC Licensee, LLC	
Application for Modification			05/04/2018 - 05/04/2033
Grant of Authority			Date Effective: 07/07/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
 LOCATION: 1906 Highland Ave, Hamilton, Cincinnati, OH
 39 ° 7 ' 0.04 " N LAT. 84 ° 30 ' 8.70 " W LONG.

ANTENNA ID: 1	7.3 meters	Andrew Corporation	ESA73-46
3700.0000 - 4200.0000 MHz	36M0G7W		digital data: various FEC, data rates and modulation
ANTENNA ID: 2	3.8 meters	PATRIOT	PRT380
3700.0000 - 4200.0000 MHz	36M0G7W		Digital Video and Data
ANTENNA ID: 3	3.6 meters	PATRIOT	PRT360
3700.0000 - 4200.0000 MHz	36M0G7W		Digital Video and Data
ANTENNA ID: 4	4.8 meters	PATRIOT	PRT480
3700.0000 - 4200.0000 MHz	36M0G7W		Digital Video and Data
ANTENNA ID: 5	3.4 meters	PATRIOT	PRT340

3700.0000 - 4200.0000 MHz

36M0G7W

Digital Video and Data

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20181015-03806 E E181333 ACC Licensee, LLC

Application for Modification

07/11/2018 - 07/11/2033

Grant of Authority

Date Effective: 07/07/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 1100 Wilson BLVD, Arlington, Arlington, VA

38 ° 53 ' 39.20 " N LAT.

77 ° 4 ' 10.00 " W LONG.

ANTENNA ID: 1 4.5 meters Andrew Corporation ESA45-46A

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

ANTENNA ID: 2 3.5 meters PATRIOT PRT350

3700.0000 - 4200.0000 MHz 36M0G7W Digital Video and Data

ANTENNA ID: 3 3.1 meters PATRIOT PRT310

3700.0000 - 4200.0000 MHz 36M0G7W Digital Video and Data

ANTENNA ID: 4 3.8 meters PATRIOT PRT380

3700.0000 - 4200.0000 MHz 36M0G7W Digital Video and Data

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20181024-05238 E E181886 Amb-OS Media, LLC

Application for Modification

03/28/2018 - 03/28/2033

Grant of Authority

Date Effective: 07/07/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 1641 Langley Ave, Orange, Irvine, CA

33 ° 41 ' 50.00 " N LAT.

117 ° 50 ' 53.40 " W LONG.

ANTENNA ID: 1 3.1 meters Patriot 3.1 meter

3700.0000 - 4200.0000 MHz 36M0G7W Digital Broadcast Video

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20181030-03738 E E960433 GCI Communication Corp.
Application for Modification 08/30/2019 - 08/30/2034
Grant of Authority Date Effective: 07/07/2020

Class of Station: Fixed Earth Stations**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: PILOT POINT, AK
57 ° 34 ' 2.53 " N LAT.

157 ° 34 ' 27.70 " W LONG.

ANTENNA ID:	1	3.6 meters	Viasat/Scientific-Atlanta	8136
5925.0000 - 6425.0000 MHz		108MD7W	71.92 dBW	Phase and amplitude modulated voice, video, and data services.
3700.0000 - 4200.0000 MHz		108MD7W		Phase and amplitude modulated voice, video, and data services.
5925.0000 - 6425.0000 MHz		45K0D7W-	53.70 dBW	Phase and amplitude modulated voice, video, and data services.
5925.0000 - 6425.0000 MHz		45K0G7W-	53.71 dBW	Phase modulated voice, video, and data services.
5925.0000 - 6425.0000 MHz		108MG7W	71.92 dBW	Phase modulated voice, video, and data services.
3700.0000 - 4200.0000 MHz		45K0D7W-		Phase and amplitude modulated voice, video, and data services.
3700.0000 - 4200.0000 MHz		108MG7W		Phase modulated voice, video, and data services.
3700.0000 - 4200.0000 MHz		45K0G7W-		Phase modulated voice, video, and data services.

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20181030-03900 E E050214 Gray Television Licensee, LLC
Application for Modification 07/13/2005 - 07/13/2020
Grant of Authority Date Effective: 07/07/2020

Class of Station: Fixed Earth Stations**Nature of Service:** Fixed Satellite Service

SITE ID: 1
LOCATION: 105 WEST FERGUSON ST., SMITH, TYLER, TX
32 ° 21 ' 7.70 " N LAT. 95 ° 18 ' 3.30 " W LONG.

ANTENNA ID:	1	4.5 meters	ANDREW CORPORATION	ESA45
		3700.0000 - 4200.0000 MHz	36M0G7W	DIGITAL VIDEO CARRIER
ANTENNA ID:	2	3.8 meters	COMTECH	3.8MDUAL AXIS
		3700.0000 - 4200.0000 MHz	36M0G7W	DIGITAL VIDEO CARRIER
ANTENNA ID:	3	5.2 meters	ATCI	SIMULSAT 5
		3700.0000 - 4200.0000 MHz	36M0G7W	DIGITAL VIDEO CARRIER

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20181030-05234 E E180250 WRGB Licensee, LLC
Application for Modification 05/08/2018 - 05/08/2033
Grant of Authority Date Effective: 07/07/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 1400 Balltown Rd., Schenectady, Schenectady, NY
42 ° 48 ' 47.40 " N LAT. 73 ° 53 ' 24.80 " W LONG.

ANTENNA ID:	1	5 meters	Satcom	500CS
		3700.0000 - 4200.0000 MHz	36M0G7W	digital data: various FEC, data rates and modulation
ANTENNA ID:	2	7 meters	SCIENTIFIC-ATLANTA	8010
		3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video and Data
ANTENNA ID:	3	4.5 meters	DH	4.5
		3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video and Data
ANTENNA ID:	4	5 meters	RADIANTION SYSTEMS	4S500
		3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video and Data

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20190523-00647 E E860272 WCHS Licensee, LLC
Application for Modification 03/28/2006 - 03/28/2021
Grant of Authority Date Effective: 07/07/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 400 SCOTT DEPOT, PUTNAM, ST. ALBANS, WV
38 ° 24 ' 28.00 " N LAT. 81 ° 54 ' 13.00 " W LONG.

ANTENNA ID: 1 4.6 meters SCIENTIFIC ATLANTA 8005PF

3700.0000 - 4200.0000 MHz 36M0G7W

ANTENNA ID: 2 7 meters SCIENTIFIC ATLANTA 8010

3700.0000 - 4200.0000 MHz 36M0G7W

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20190523-00648 E E873865 WCHS Licensee, LLC
Application for Modification 09/25/2007 - 09/25/2022
Grant of Authority Date Effective: 07/07/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 400 SCOTT DEPOT, PUTNAM, CHARLESTON, WV
38 ° 24 ' 28.00 " N LAT. 81 ° 54 ' 13.00 " W LONG.

ANTENNA ID: 1 4.5 meters ANDREW CORPORATION ESA45-4

3700.0000 - 4200.0000 MHz 36M0G7W

ANTENNA ID: 2 7.3 meters ANDREW CORPORATION ESA73-46

3700.0000 - 4200.0000 MHz 36M0G7W

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20190523-00649 E E070159 WLOS Licensee, LLC
Application for Modification 07/27/2007 - 07/27/2022
Grant of Authority Date Effective: 07/07/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 110 TECHNOLOGY DRIVE, BUNCOMBE, ASHVILLE, NC
35 ° 29 ' 15.80 " N LAT. 82 ° 33 ' 29.50 " 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		36M0G7F	Compressed Digital Video

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20190523-00650 E E860191 WSET Licensee, LLC
Application for Modification 03/28/2006 - 03/28/2021
Grant of Authority Date Effective: 07/07/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 2320 LANGHORNE ROAD, AMHERST, LYNCHBURG, VA
37 ° 24 ' 42.40 " N LAT. 79 ° 10 ' 9.30 " W LONG.

ANTENNA ID:	1	4.5 meters	ANDREW CORPORATION	ESA45-4
	3700.0000 - 4200.0000 MHz		36M0F3F	STANDARD ANALOG VIDEO
	3700.0000 - 4200.0000 MHz		36M0G7F	COMPRESSED DIGITAL VIDEO
ANTENNA ID:	2	7.3 meters	ANDREW CORPORATION	ESA73-46
	3700.0000 - 4200.0000 MHz		36M0F3F	STANDARD ANALOG VIDEO
	3700.0000 - 4200.0000 MHz		36M0G7W	COMPRESSED DIGITAL VIDEO

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20190523-00651 E E860720 WWMT Licensee, LLC
Application for Modification 07/11/2006 - 07/11/2021
Grant of Authority Date Effective: 07/07/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 590 WEST MAPLE, KALAMAZOO, KALAMAZOO, MI
42 ° 16 ' 22.00 " N LAT. 85 ° 35 ' 29.00 " W LONG.

ANTENNA ID: 1 4.5 meters SCIENTIFIC ATLANTA 8345

3700.0000 - 4200.0000 MHz 36M0G7W

ANTENNA ID: 2 7 meters SCIENTIFIC ATLANTA 8010C

3700.0000 - 4200.0000 MHz 36M0G7W

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20190610-00761 E E080139 Shell Communications, Inc.
Application for Modification 07/15/2008 - 07/15/2023
Grant of Authority Date Effective: 07/07/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Shell Perdido
LOCATION: GULF OF MEXICO
26 ° 7 ' 44.00 " N LAT. 94 ° 53 ' 52.50 " W LONG.

ANTENNA ID: Seate19797 2.4 meters Seatel 9797

5925.0000 - 6425.0000 MHz 3M47G7W 55.93 dBW Digital

3700.0000 - 4200.0000 MHz 3M47G7W 0.00 dBW Digital

5925.0000 - 6425.0000 MHz 8M64G7W -19.12 dBW Digital, 8PSK

3700.0000 - 4200.0000 MHz 8M64G7W Digital, 8PSK

3700.0000 - 4200.0000 MHz 2M32G7W Digital, 8PSK

Points of Communication:

Shell Perdido - EUTELSAT117WA(S2873) - (116.8 W.L.)

Shell Perdido - PERMITTED LIST - ()

SES-REG-20180703-01992 E E181233 Charter Communications Operating, LLC
Registration 07/03/2018 - 07/03/2033
Grant of Authority Date Effective: 07/07/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
 LOCATION: 700 Carillon Pkwy, Pinellas, St Petersburg, FL
 27 ° 53 ' 16.40 " N LAT. 82 ° 40 ' 7.60 " W LONG.

ANTENNA ID:	1	5 meters	ATCi	Simulsat 5M
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	2	5 meters	Scientific-Atlanta	8008B
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	3	4.6 meters	Andrew	ESA46
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	4	4.6 meters	Scientific-Atlanta	8346
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	5	4.5 meters	Andrew	ESA45
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	6	4.5 meters	DH Satellite	4.5M
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	7	4.5 meters	Scientific-Atlanta	8345
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	8	3.8 meters	Comtech	934D0015-G5
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	9	3.7 meters	Prodelin	1374
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	10	1.8 meters	Patriot	TX-INT180KU
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	11	2.4 meters	Prodelin	1251
	3700.0000 - 4200.0000 MHz		36M0G7W	Video, Audio, Data
ANTENNA ID:	12	2.4 meters	Prodelin	1251
	3700.0000 - 4200.0000 MHz		36M0G7W	Video, Audio, Data

ANTENNA ID:	5	4.5 meters	Andrew	ESA45
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	6	4.5 meters	DH Satellite	4.5M
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	7	4.5 meters	Scientific-Atlanta	8345
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	8	3.8 meters	Comtech	934D0015-G5
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	9	3.7 meters	Prodelin	1374
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	10	1.8 meters	Patriot	TX-INT180KU
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	11	7 meters	Simulsat	Simulsat 7
	3700.0000 - 4200.0000 MHz		36M0G7W	Video, Audio, Data
ANTENNA ID:	12	2.8 meters	Comm Scope	Prime Focus (C Band)
	3700.0000 - 4200.0000 MHz		36M0G7W	Video, Audio, Data
ANTENNA ID:	13	2.8 meters	Comm Scope	Prime Focus (C Band)
	3700.0000 - 4200.0000 MHz		36M0G7W	Video, Audio, Data
ANTENNA ID:	14	2.8 meters	Comm Scope	Prime Focus (C Band)
	3700.0000 - 4200.0000 MHz		36M0G7W	Video, Audio, Data
ANTENNA ID:	15	2.8 meters	Comm Scope	Prime Focus (C Band)
	3700.0000 - 4200.0000 MHz		36M0G7W	Video, Audio, Data

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180717-02239 E E181391 Falcon Video Communications, L.P.
 Registration
 Grant of Authority

07/17/2018 - 07/17/2033
 Date Effective: 07/06/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 144 Williams St, Okanogan, Elmer City, WA

48 ° 0 ' 13.70 " N LAT.

118 ° 56 ' 55.80 " W LONG.

ANTENNA ID:	1	5 meters	Antenna Technology Corp.	Simulsat 5M
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	2	5 meters	Scientific-Atlanta	8008B
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	3	4.6 meters	Andrew	ESA46
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	4	4.6 meters	Scientific-Atlanta	8346
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	5	4.5 meters	Andrew	ESA45
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	6	4.5 meters	DH Satellite	4.5M
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	8	3.8 meters	Comtech	934D0015-G5
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	9	3.7 meters	Prodelin	1374
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	10	1.8 meters	Patriot	TX-INT180KU
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	7	4.5 meters	Scientific-Atlanta	8345
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	11	4 meters		
	3700.0000 - 4200.0000 MHz		36M0G7W	Video, Audio, Data
ANTENNA ID:	12	5 meters		

3700.0000 - 4200.0000 MHz	36M0G7W	Video, Audio, Data
ANTENNA ID: 13	3.5 meters	
3700.0000 - 4200.0000 MHz	36M0G7W	Video, Audio, Data
ANTENNA ID: 14	4 meters	
3700.0000 - 4200.0000 MHz	36M0G7W	Video, Audio, Data
ANTENNA ID: 15	5 meters	
3700.0000 - 4200.0000 MHz	36M0G7W	Video, Audio, Data

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180717-02242	E E181394	Spectrum Mid-America, LLC	
Registration			07/17/2018 - 07/17/2033
Grant of Authority			Date Effective: 07/07/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 75 Westwoods Blvd, Franklin, Galloway/New Rome, WA
 39 ° 56 ' 59.10 " N LAT. 83 ° 8 ' 52.30 " W LONG.

ANTENNA ID: 1	5 meters	Antenna Technology Corp.	Simulsat 5M
3700.0000 - 4200.0000 MHz	36M0G7W		Digital Video, Audio, Data
ANTENNA ID: 2	5 meters	Scientific-Atlanta	8008B
3700.0000 - 4200.0000 MHz	36M0G7W		Digital Video, Audio, Data
ANTENNA ID: 3	4.6 meters	Andrew	ESA46
3700.0000 - 4200.0000 MHz	36M0G7W		Digital Video, Audio, Data
ANTENNA ID: 4	4.6 meters	Scientific-Atlanta	8346
3700.0000 - 4200.0000 MHz	36M0G7W		Digital Video, Audio, Data
ANTENNA ID: 5	4.5 meters	Andrew	ESA45
3700.0000 - 4200.0000 MHz	36M0G7W		Digital Video, Audio, Data
ANTENNA ID: 6	4.5 meters	DH Satellite	4.5M

3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video, Audio, Data
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video, Audio, Data
ANTENNA ID: 7	4.5 meters Scientific-Atlanta	8345
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video, Audio, Data
ANTENNA ID: 8	3.8 meters Comtech	934D0015-G5
ANTENNA ID: 9	3.7 meters Prodelin	1374
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video, Audio, Data
ANTENNA ID: 10	1.8 meters Patriot	TX-INT180KU
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video, Audio, Data
ANTENNA ID: 11	4.5 meters Patriot	Unknown
3700.0000 - 4200.0000 MHz	36M0G7W	Video, Audio, Data

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180717-02246 E E181398 Bresnan Communications, LLC
 Registration 07/17/2018 - 07/17/2033
 Grant of Authority Date Effective: 07/07/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
 LOCATION: 440 S Beech St, Natrona, Casper, WY
 42 ° 50 ' 44.90 " N LAT. 106 ° 19 ' 16.40 " W LONG.

ANTENNA ID: 1	5 meters Antenna Technology Corp.	Simulsat 5M
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video, Audio, Data
ANTENNA ID: 2	5 meters Scientific-Atlanta	8008B
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video, Audio, Data
ANTENNA ID: 3	4.6 meters Andrew	ESA46
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video, Audio, Data
ANTENNA ID: 4	4.6 meters Scientific-Atlanta	8346

3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video, Audio, Data
ANTENNA ID: 5	4.5 meters Andrew	ESA45
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video, Audio, Data
ANTENNA ID: 6	4.5 meters DH Satellite	4.5M
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video, Audio, Data
ANTENNA ID: 7	4.5 meters Scientific-Atlanta	8345
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video, Audio, Data
ANTENNA ID: 9	3.7 meters Prodelin	1374
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video, Audio, Data
ANTENNA ID: 10	1.8 meters Patriot	TX-INT180KU
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video, Audio, Data
ANTENNA ID: 11	5 meters Comtech	Unknown
3700.0000 - 4200.0000 MHz	36M0G7W	Video, Audio, Data
ANTENNA ID: 12	3.8 meters Comtech	Unknown
3700.0000 - 4200.0000 MHz	36M0G7W	Video, Audio, Data
ANTENNA ID: 13	3.8 meters Prodelin	Unknown
3700.0000 - 4200.0000 MHz	36M0G7W	Video, Audio, Data
ANTENNA ID: 14	3.8 meters Patriot	Unknown
3700.0000 - 4200.0000 MHz	36M0G7W	Video, Audio, Data
ANTENNA ID: 15	3.1 meters Prodelin	Unknown
3700.0000 - 4200.0000 MHz	36M0G7W	Video, Audio, Data
ANTENNA ID: 8	3.8 meters Comtech	934D0015-05
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video, Audio, Data

Points of Communication:

1 - PERMITTED LIST - ()

Registration

07/17/2018 - 07/17/2033

Grant of Authority

Date Effective: 07/07/2020

Class of Station: Fixed Earth Stations**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: 200 Akamainui St, Honolulu, Mililani, HI

21 ° 28 ' 39.90 " N LAT.

158 ° 1 ' 10.45 " W LONG.

ANTENNA ID:	1	5 meters	Scientific-Atlanta	8008B
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	2	5 meters	Antenna Technology Corp.	Simulsat 5M
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	3	4.6 meters	Andrew	ESA46
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	4	4.6 meters	Scientific-Atlanta	8346
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	5	4.5 meters	Andrew	ESA45
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	6	4.5 meters	DH Satellite	4.5M
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	7	4.5 meters	Scientific-Atlanta	8345
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	8	3.8 meters	Comtech	934D0015-G5
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	9	3.7 meters	Prodelin	1374
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	10	1.8 meters	Patriot	TX-INT180KU
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	11	7 meters	Vertex RSI	7-meter

3700.0000 - 4200.0000 MHz	36M0G7W	Video, Audio, Data
ANTENNA ID: 12	7.3 meters Comtech	N/A
3700.0000 - 4200.0000 MHz	36M0G7W	Video, Audio, Data
ANTENNA ID: 13	10 meters Scientific-Atlanta	S40701
3700.0000 - 4200.0000 MHz	36M0G7W	Video, Audio, Data
ANTENNA ID: 14	7 meters Vertex RSI	7-meter
3700.0000 - 4200.0000 MHz	36M0G7W	Video, Audio, Data
ANTENNA ID: 15	4.5 meters Patriot	N/A
3700.0000 - 4200.0000 MHz	36M0G7W	Video, Audio, Data
ANTENNA ID: 16	7 meters Scientific-Atlanta	N/A
3700.0000 - 4200.0000 MHz	36M0G7W	Video, Audio, Data
ANTENNA ID: 17	7.3 meters Com tech	N/A
3700.0000 - 4200.0000 MHz	36M0G7W	Video, Audio, Data
ANTENNA ID: 18	7.3 meters Vertex RSI	7.3-meter
3700.0000 - 4200.0000 MHz	36M0G7W	Video, Audio, Data

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180717-02256 E E181406 Spectrum Sunshine State, LLC
 Registration 07/17/2018 - 07/17/2033
 Grant of Authority Date Effective: 07/06/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
 LOCATION: 3728 Arrow St, Kern, Bakersfield, CA
 35 ° 23 ' 36.60 " N LAT. 119 ° 2 ' 16.80 " W LONG.

ANTENNA ID: 1	5 meters Antenna Technology Corp.	Simulsat 5M
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video, Audio, Data
ANTENNA ID: 2	5 meters Scientific-Atlanta	8008B

3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video, Audio, Data
ANTENNA ID: 3	4.6 meters Andrew	ESA46
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video, Audio, Data
ANTENNA ID: 4	4.6 meters Scientific-Atlanta	8346
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video, Audio, Data
ANTENNA ID: 5	4.5 meters Andrew	ESA45
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video, Audio, Data
ANTENNA ID: 6	4.5 meters DH Satellite	4.5M
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video, Audio, Data
ANTENNA ID: 7	4.5 meters Scientific-Atlanta	8345
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video, Audio, Data
ANTENNA ID: 8	3.8 meters Comtech	934D0015-G5
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video, Audio, Data
ANTENNA ID: 9	3.7 meters Prodelin	1374
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video, Audio, Data
ANTENNA ID: 10	1.8 meters Patriot	TX-INT180KU
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video, Audio, Data
ANTENNA ID: 11	5 meters ATCi	Simulsat
3700.0000 - 4200.0000 MHz	36M0G7W	Video, Audio, Data

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180831-04150	E E190456	Astound Broadband, LLC	08/31/2018 - 08/31/2033
Registration			Date Effective: 07/06/2020
Grant of Authority			

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 220 Mason Circle, Contra Costa, Concord, CA
38 ° 0 ' 41.00 " N LAT. 122 ° 2 ' 22.00 " W LONG.

ANTENNA ID:	1	4.5 meters	Scientific Atlanta	8345PF
	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	Unknown	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-20180921-04188 E E190505 Corporation of the Presiding Bishop of The Church of Jesus Christ of Latter-day
Registration 09/21/2018 - 09/21/2033
Grant of Authority Date Effective: 07/07/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1 GREENVILLE 1, 3
LOCATION: 400 Farris Bridge Road, GREENVILLE, SC
34 ° 53 ' 21.54 " N LAT. 82 ° 27 ' 53.61 " W LONG.

ANTENNA ID:	1	3.4 meters	General Dynamics	Satcom 1334
	3700.0000 - 4200.0000 MHz		36M0G7W	NULL

SITE ID: 2 GREENVILLE2,5, YSA
LOCATION: 1301 Boiling Springs Road, GREER, SC
34 ° 51 ' 56.20 " N LAT. 82 ° 16 ' 49.78 " W LONG.

ANTENNA ID:	2	3.4 meters	General Dynamics	Satcom 1344
	3700.0000 - 4200.0000 MHz		36M0G7W	NULL

SITE ID: 3 SIMPSONVILLE2,3
LOCATION: 200 Hayworth Drive, SIMPSONVILLE, SC
34 ° 41 ' 54.95 " N LAT. 82 ° 16 ' 45.45 " W LONG.

ANTENNA ID:	3	3.4 meters	General Dynamics	Satcom 1344
	3700.0000 - 4200.0000 MHz		36M0G7W	NULL

SITE ID: 4 NORTH AUGUSTA
 LOCATION: 1704 Bunting Drive, NORTH AUGUSTA, SC
 33 ° 34 ' 30.97 " N LAT. 82 ° 9 ' 16.93 " W LONG.

ANTENNA ID: 4 3.4 meters General Dynamics Satcom 1344
 3700.0000 - 4200.0000 MHz 36M0G7W NULL

SITE ID: 5 SPARTANBURG1, 2
 LOCATION: 121 Quail Drive, SPARTANBURG, SC
 34 ° 55 ' 37.14 " N LAT. 81 ° 54 ' 7.59 " W LONG.

ANTENNA ID: 5 3.4 meters General Dynamics Satcom 1344
 3700.0000 - 4200.0000 MHz 36M0G7W NULL

SITE ID: 6 AIKEN, COKER SPRINGS
 LOCATION: 358 East Pine Log Road, AIKEN, SC
 33 ° 31 ' 35.32 " N LAT. 81 ° 42 ' 40.32 " W LONG.

ANTENNA ID: 6 3.4 meters General Dynamics Satcom 1344
 3700.0000 - 4200.0000 MHz 36M0G7W NULL

SITE ID: 7 GAFFNEY
 LOCATION: 701 West Buford Street, GAFFNEY, SC
 35 ° 4 ' 34.65 " N LAT. 81 ° 39 ' 27.76 " W LONG.

ANTENNA ID: 7 3.4 meters General Dynamics Satcom 1344
 3700.0000 - 4200.0000 MHz 36M0G7W NULL

SITE ID: 8 NEWBERRY
 LOCATION: 2 Glenn Street, NEWBERRY, SC
 34 ° 15 ' 31.40 " N LAT. 81 ° 35 ' 59.75 " W LONG.

ANTENNA ID: 8 3.4 meters General Dynamics Satcom 1344
 3700.0000 - 4200.0000 MHz 36M0G7W NULL

SITE ID: 9 GREENWOOD
 LOCATION: 1417 Cokesbury Road, GREENWOOD, SC
 34 ° 13 ' 18.86 " N LAT. 82 ° 10 ' 20.55 " W LONG.

ANTENNA ID: 9 3.4 meters General Dynamics Satcom 1344
 3700.0000 - 4200.0000 MHz 36M0G7W NULL

SITE ID: 10 GILBERT, LAKEMURR
 LOCATION: 2224 Augusta Highway, LEXINGTON, SC
 33 ° 58 ' 52.11 " N LAT. 81 ° 17 ' 49.83 " W LONG.

ANTENNA ID:	10	3.4 meters	General Dynamics	Satcom 1344
	3700.0000 - 4200.0000 MHz		36M0G7W	NULL
SITE ID:	11 NEWPORT, YORK			
LOCATION:	1130 East Alexander Love Highway, YORK, SC			
	34 ° 59 ' 52.63 " N LAT.			81 ° 12 ' 42.46 " W LONG.
ANTENNA ID:	11	3.4 meters	General Dynamics	Satcom 1344
	3700.0000 - 4200.0000 MHz		36M0G7W	NULL
SITE ID:	12CHAPIN,DUTCH FORK,			
LOCATION:	7449 Broad River Road, IRMO, SC			
	34 ° 5 ' 51.30 " N LAT.			81 ° 10 ' 0.47 " W LONG.
ANTENNA ID:	12	3.4 meters	General Dynamics	Satcom 1344
	3700.0000 - 4200.0000 MHz		36M0G7W	NULL
SITE ID:	13CONGAREE, WESTCOLUM			
LOCATION:	1330 Whippoorwill Drive, WEST COLUMBIA, SC			
	34 ° 0 ' 14.54 " N LAT.			81 ° 6 ' 18.27 " W LONG.
ANTENNA ID:	13	3.4 meters	General Dynamics	Satcom 1344
	3700.0000 - 4200.0000 MHz		36M0G7W	NULL
SITE ID:	14COLUMBIASC(USC) IN			
LOCATION:	610 Assembly Street, COLUMBIA, SC			
	33 ° 59 ' 35.54 " N LAT.			81 ° 1 ' 53.21 " W LONG.
ANTENNA ID:	14	3.4 meters	General Dynamics	Satcom 1344
	3700.0000 - 4200.0000 MHz		36M0G7W	NULL
SITE ID:	15 UNION			
LOCATION:	733 Peach Orchard Road, UNION, SC			
	34 ° 44 ' 4.96 " N LAT.			81 ° 35 ' 40.92 " W LONG.
ANTENNA ID:	15	3.4 meters	General Dynamics	Satcom 1344
	3700.0000 - 4200.0000 MHz		36M0G7W	NULL
SITE ID:	16SUMMITWOODFIELD (S			
LOCATION:	2350 White Pine Road, COLUMBIA, SC			
	34 ° 3 ' 51.01 " N LAT.			80 ° 55 ' 39.04 " W LONG.
ANTENNA ID:	16	3.4 meters	General Dynamics	Satcom 1344
	3700.0000 - 4200.0000 MHz		36M0G7W	NULL

SITE ID: 17CATAWBA,FORTMILL 1
 LOCATION: 1989 Reservation Road, ROCK HILL, SC
 34 ° 54 ' 24.73 " N LAT. 80 ° 54 ' 3.19 " W LONG.

ANTENNA ID: 17 3.4 meters General Dynamics Satcom 1344
 3700.0000 - 4200.0000 MHz 36M0G7W NULL

SITE ID: 18 ORANGEBURG
 LOCATION: 2740 Broughton Street, ORANGEBURG, SC
 33 ° 30 ' 42.99 " N LAT. 80 ° 52 ' 35.81 " W LONG.

ANTENNA ID: 18 3.4 meters General Dynamics Satcom 1344
 3700.0000 - 4200.0000 MHz 36M0G7W NULL

SITE ID: 19 LANCASTER
 LOCATION: 1328 West Meeting Street, LANCASTER, SC
 34 ° 42 ' 44.79 " N LAT. 80 ° 48 ' 13.29 " W LONG.

ANTENNA ID: 19 3.4 meters General Dynamics Satcom 1344
 3700.0000 - 4200.0000 MHz 36M0G7W NULL

SITE ID: 20 BEAUFORT
 LOCATION: 703 Parris Island Gateway, BEAUFORT, SC
 32 ° 23 ' 13.04 " N LAT. 80 ° 44 ' 17.89 " W LONG.

ANTENNA ID: 20 3.4 meters General Dynamics Satcom 1344
 3700.0000 - 4200.0000 MHz 36M0G7W NULL

SITE ID: 21 COLUMBIA,HOPKINS &
 LOCATION: 4440 Fort Jackson Boulevard, COLUMBIA, SC
 33 ° 59 ' 30.48 " N LAT. 80 ° 58 ' 16.13 " W LONG.

ANTENNA ID: 21 3.4 meters General Dynamics Satcom 1344
 3700.0000 - 4200.0000 MHz 36M0G7W NULL

SITE ID: 22 WALTERBORO
 LOCATION: 1035 Dandridge Road, WALTERBORO, SC
 32 ° 55 ' 41.39 " N LAT. 80 ° 40 ' 56.89 " W LONG.

ANTENNA ID: 22 3.4 meters General Dynamics Satcom 1344
 3700.0000 - 4200.0000 MHz 36M0G7W NULL

SITE ID: 23 CAMDEN, ELGIN
 LOCATION: 34 Chestnut Ferry Road, CAMDEN, SC
 34 ° 15 ' 0.86 " N LAT. 80 ° 37 ' 49.44 " W LONG.

ANTENNA ID:	23	3.4 meters	General Dynamics	Satcom 1344
	3700.0000 - 4200.0000 MHz		36M0G7W	NULL
SITE ID:	24 SUMTER			
LOCATION:	1770 Hwy 15 S, SUMTER, SC			
	33 ° 52 ' 9.23 " N LAT.			80 ° 21 ' 25.67 " W LONG.
ANTENNA ID:	24	3.4 meters	General Dynamics	Satcom 1344
	3700.0000 - 4200.0000 MHz		36M0G7W	NULL
SITE ID:	25 SUMMERVILLE 1			
LOCATION:	2100 Bacons Bridge Road, SUMMERVILLE, SC			
	32 ° 58 ' 13.06 " N LAT.			80 ° 11 ' 59.04 " W LONG.
ANTENNA ID:	25	3.4 meters	General Dynamics	Satcom 1344
	3700.0000 - 4200.0000 MHz		36M0G7W	NULL
SITE ID:	26 HARTSVILLE			
LOCATION:	981 West Carolina Avenue, HARTSVILLE, SC			
	34 ° 21 ' 59.28 " N LAT.			80 ° 5 ' 53.54 " W LONG.
ANTENNA ID:	26	3.4 meters	General Dynamics	Satcom 1344
	3700.0000 - 4200.0000 MHz		36M0G7W	NULL
SITE ID:	27 HILTON HEAD			
LOCATION:	2800 Meeting Street, HILTON HEAD, SC			
	32 ° 12 ' 58.14 " N LAT.			80 ° 43 ' 45.51 " W LONG.
ANTENNA ID:	27	3.4 meters	General Dynamics	Satcom 1344
	3700.0000 - 4200.0000 MHz		36M0G7W	NULL
SITE ID:	28 MONCKSCORNER			
LOCATION:	319 West Main Street, MONCKS CORNER, SC			
	33 ° 11 ' 58.37 " N LAT.			80 ° 1 ' 28.30 " W LONG.
ANTENNA ID:	28	3.4 meters	General Dynamics	Satcom 1344
	3700.0000 - 4200.0000 MHz		36M0G7W	NULL
SITE ID:	29 CHARLESTON1,2, YSA			
LOCATION:	1519 Sam Rittenberg Boulevard, CHARLESTON, SC			
	32 ° 48 ' 35.72 " N LAT.			80 ° 0 ' 11.35 " W LONG.
ANTENNA ID:	29	3.4 meters	General Dynamics	Satcom 1344
	3700.0000 - 4200.0000 MHz		36M0G7W	NULL

SITE ID: 30 CHERAW
 LOCATION: 1607 State Rd 13-341, CHERAW, SC
 34 ° 42 ' 0.66 " N LAT. 79 ° 55 ' 39.68 " W LONG.

ANTENNA ID: 30 3.4 meters General Dynamics Satcom 1344
 3700.0000 - 4200.0000 MHz 36M0G7W NULL

SITE ID: 31 MOUNTPLEASANT
 LOCATION: 2115 HWY 17 N, MT PLEASANT, SC
 32 ° 50 ' 16.57 " N LAT. 79 ° 49 ' 11.89 " W LONG.

ANTENNA ID: 31 3.4 meters General Dynamics Satcom 1344
 3700.0000 - 4200.0000 MHz 36M0G7W NULL

SITE ID: 32 FLORENCE &
 LOCATION: 1620 Malden Dr, FLORENCE, SC
 34 ° 9 ' 50.05 " N LAT. 79 ° 46 ' 25.60 " W LONG.

ANTENNA ID: 32 3.4 meters General Dynamics Satcom 1344
 3700.0000 - 4200.0000 MHz 36M0G7W NULL

SITE ID: 33GOOSECREEK,NORTH C
 LOCATION: 8720 Antler Drive, NORTH CHARLESTON, SC
 32 ° 57 ' 59.57 " N LAT. 80 ° 2 ' 48.86 " W LONG.

ANTENNA ID: 33 3.4 meters General Dynamics Satcom 1344
 3700.0000 - 4200.0000 MHz 36M0G7W NULL

SITE ID: 34 CONWAY
 LOCATION: 450 Dunn Short Cut Rd, CONWAY, SC
 33 ° 51 ' 22.40 " N LAT. 79 ° 6 ' 9.10 " W LONG.

ANTENNA ID: 34 3.4 meters General Dynamics Satcom 1344
 3700.0000 - 4200.0000 MHz 36M0G7W NULL

SITE ID: 35MYRTLEBEACH,SURFSI
 LOCATION: 1392 48th Avenue North, MYRTLE BEACH, SC
 33 ° 44 ' 2.45 " N LAT. 78 ° 51 ' 35.08 " W LONG.

ANTENNA ID: 35 3.4 meters General Dynamics Satcom 1344
 3700.0000 - 4200.0000 MHz 36M0G7W NULL

SITE ID: 36 BELLE FOURCHE
 LOCATION: 1105 Todd Street, BELLE FOURCHE, SD
 44 ° 39 ' 23.34 " N LAT. 103 ° 50 ' 38.72 " W LONG.

ANTENNA ID:	36	3.4 meters	General Dynamics	Satcom 1344
	3700.0000 - 4200.0000 MHz		36M0G7W	NULL
SITE ID:	37 STURGIS			
LOCATION:	2460 South Baldwin Street, STURGIS, SD			
	44 ° 23 ' 54.09 " N LAT.			103 ° 30 ' 17.79 " W LONG.
ANTENNA ID:	37	3.4 meters	General Dynamics	Satcom 1344
	3700.0000 - 4200.0000 MHz		36M0G7W	NULL
SITE ID:	38 HOT SPRINGS			
LOCATION:	2133 Albany Street, HOT SPRINGS, SD			
	43 ° 25 ' 41.88 " N LAT.			103 ° 29 ' 19.57 " W LONG.
ANTENNA ID:	38	3.4 meters	General Dynamics	Satcom 1344
	3700.0000 - 4200.0000 MHz		36M0G7W	NULL
SITE ID:	39 MARION			
LOCATION:	200 Faulk Road, MARION, SC			
	34 ° 12 ' 32.30 " N LAT.			79 ° 22 ' 57.87 " W LONG.
ANTENNA ID:	39	3.4 meters	General Dynamics	Satcom 1344
	3700.0000 - 4200.0000 MHz		36M0G7W	NULL
SITE ID:	40 PINE RIDGE			
LOCATION:	860 W BIA RD 32, PINE RIDGE, SD			
	43 ° 1 ' 34.80 " N LAT.			102 ° 34 ' 22.51 " W LONG.
ANTENNA ID:	40	3.4 meters	General Dynamics	Satcom 1344
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				NULL
SITE ID:	41 FAITH			
LOCATION:	409 Dakota St, FAITH, SD			
	45 ° 1 ' 28.05 " N LAT.			102 ° 2 ' 37.90 " W LONG.
ANTENNA ID:	41	3.4 meters	General Dynamics	Satcom 1344
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				NULL
SITE ID:	42 EAGLE BUTTE			
LOCATION:	650 Willow St, EAGLE BUTTE, SD			
	44 ° 59 ' 50.12 " N LAT.			101 ° 14 ' 21.11 " W LONG.
ANTENNA ID:	42	3.4 meters	General Dynamics	Satcom 1344
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				NULL

SITE ID: 43 ROSEBUD
 LOCATION: Legion Ave/Rosebud Avenue, ROSEBUD, SD
 43 ° 13 ' 55.02 " N LAT. 100 ° 51 ' 26.25 " W LONG.

ANTENNA ID: 43 3.4 meters General Dynamics Satcom 1344
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW NULL

SITE ID: 44 PIERRE &
 LOCATION: 506 North Jefferson Avenue, PIERRE, SD
 44 ° 22 ' 8.20 " N LAT. 100 ° 20 ' 12.29 " W LONG.

ANTENNA ID: 44 3.4 meters General Dynamics Satcom 1344
 3700.0000 - 4200.0000 MHz 36M0G7W NULL

SITE ID: 45 BLACKHILLS,CANYON
 LOCATION: 2822 Canyon Lake Drive, RAPID CITY, SD
 44 ° 4 ' 36.58 " N LAT. 103 ° 16 ' 1.25 " W LONG.

ANTENNA ID: 45 3.4 meters General Dynamics Satcom 1344
 3700.0000 - 4200.0000 MHz 36M0G7W NULL

SITE ID: 46 WINNER
 LOCATION: 313th Ave 277th Street, WINNER, SD
 43 ° 23 ' 8.99 " N LAT. 99 ° 54 ' 24.21 " W LONG.

ANTENNA ID: 46 3.4 meters General Dynamics Satcom 1344
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW NULL

SITE ID: 47 CHAMBERLAIN
 LOCATION: 104 South Byron Boulevard, CHAMBERLAIN, SD
 43 ° 47 ' 13.62 " N LAT. 99 ° 19 ' 36.46 " W LONG.

ANTENNA ID: 47 3.4 meters General Dynamics Satcom 1344
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW NULL

SITE ID: 48 ABERDEEN
 LOCATION: 1103 24th Avenue Northeast, ABERDEEN, SD
 45 ° 29 ' 19.10 " N LAT. 98 ° 28 ' 16.44 " W LONG.

ANTENNA ID: 48 3.4 meters General Dynamics Satcom 1344
 3700.0000 - 4200.0000 MHz 36M0G7W NULL

SITE ID: 49 HURON
 LOCATION: 1450 Frank Avenue Southeast, HURON, SD
 44 ° 20 ' 58.95 " N LAT. 98 ° 12 ' 15.37 " W LONG.

ANTENNA ID: 49 3.4 meters General Dynamics Satcom 1344
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW NULL

SITE ID: 50 GETTYSBURG
LOCATION: 530 South Mannston Street, GETTYSBURG, SD
45 ° 0 ' 24.47 " N LAT. 99 ° 57 ' 38.01 " W LONG.

ANTENNA ID: 50 3.4 meters General Dynamics Satcom 1344
3700.0000 - 4200.0000 MHz 36M0G7W

Points of Communication:

- 1 GREENVILLE 1, 3 - PERMITTED LIST - ()
- 10 GILBERT,LAKEMURR - PERMITTED LIST - ()
- 11 NEWPORT, YORK - PERMITTED LIST - ()
- 12CHAPIN,DUTCH FORK, - PERMITTED LIST - ()
- 13CONGAREE,WESTCOLUM - PERMITTED LIST - ()
- 14COLUMBIASC(USC) IN - PERMITTED LIST - ()
- 15 UNION - PERMITTED LIST - ()
- 16SUMMITWOODFIELD (S - PERMITTED LIST - ()
- 17CATAWBA,FORTMILL 1 - PERMITTED LIST - ()
- 18 ORANGEBURG - PERMITTED LIST - ()
- 19 LANCASTER - PERMITTED LIST - ()
- 2 GREENVILLE2,5, YSA - PERMITTED LIST - ()
- 20 BEAUFORT - PERMITTED LIST - ()
- 21COLUMBIA,HOPKINS & - PERMITTED LIST - ()
- 22 WALTERBORO - PERMITTED LIST - ()
- 23 CAMDEN, ELGIN - PERMITTED LIST - ()
- 24 SUMTER - PERMITTED LIST - ()
- 25 SUMMERVILLE 1 - PERMITTED LIST - ()
- 26 HARTSVILLE - PERMITTED LIST - ()
- 27 HILTON HEAD - PERMITTED LIST - ()
- 28 MONCKSCORNER - PERMITTED LIST - ()
- 29CHARLESTON1,2, YSA - PERMITTED LIST - ()

3 SIMPSONVILLE2,3 - PERMITTED LIST - ()

30 CHERAW - PERMITTED LIST - ()

31 MOUNTPLEASANT - PERMITTED LIST - ()

32 FLORENCE & - PERMITTED LIST - ()

33GOOSECREEK,NORTH C - PERMITTED LIST - ()

34 CONWAY - PERMITTED LIST - ()

35MYRTLEBEACH,SURFSI - PERMITTED LIST - ()

36 BELLE FOURCHE - PERMITTED LIST - ()

37 STURGIS - PERMITTED LIST - ()

38 HOT SPRINGS - PERMITTED LIST - ()

39 MARION - PERMITTED LIST - ()

4 NORTH AUGUSTA - PERMITTED LIST - ()

40 PINE RIDGE - PERMITTED LIST - ()

41 FAITH - PERMITTED LIST - ()

42 EAGLE BUTTE - PERMITTED LIST - ()

43 ROSEBUD - PERMITTED LIST - ()

44 PIERRE & - PERMITTED LIST - ()

45 BLACKHILLS,CANYON - PERMITTED LIST - ()

46 WINNER - PERMITTED LIST - ()

47 CHAMBERLAIN - PERMITTED LIST - ()

48 ABERDEEN - PERMITTED LIST - ()

49 HURON - PERMITTED LIST - ()

5 SPARTANBURG1, 2 - PERMITTED LIST - ()

50 GETTYSBURG - PERMITTED LIST - ()

6AIKEN,COKER SPRINGS - PERMITTED LIST - ()

7 GAFFNEY - PERMITTED LIST - ()

8 NEWBERRY - PERMITTED LIST - ()

9 GREENWOOD - PERMITTED LIST - ()

SES-REG-20180925-04567 E E190934 Stereo Broadcasting, Inc.
Registration 09/24/2018 - 09/24/2033
Grant of Authority Date Effective: 07/07/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Site 1
LOCATION: 3000 E Chestnut Expressway, Greene, Springfield, MO
37 ° 12 ' 34.00 " N LAT. 93 ° 14 ' 1.00 " W LONG.

ANTENNA ID: Ant 1 2.8 meters Scientific Atlanta 9000
3700.0000 - 4200.0000 MHz 36M0F8F Digital

Points of Communication:

Site 1 - PERMITTED LIST - ()

SES-REG-20181002-04878 E E191250 Spencer Municipal Utilities
Registration 10/02/2018 - 10/02/2033
Grant of Authority Date Effective: 07/04/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Site A
LOCATION: 520 2nd Avenue East Suite 1, Clay, Spencer, IA
43 ° 8 ' 44.00 " N LAT. 95 ° 8 ' 33.00 " W LONG.

ANTENNA ID: 1 7.4 meters Antenna Tech Comm INC Simulsat 5
3700.0000 - 4200.0000 MHz 36M0G7F 0.00 dBW Video

Points of Communication:

Site A - PERMITTED LIST - ()

SES-REG-20181003-04709 E E191075 Gray Television Licensee, LLC
Registration 10/03/2018 - 10/03/2033
Grant of Authority Date Effective: 07/07/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 815 23rd Ave, Meridian, MS
32 ° 21 ' 56.91 " N LAT. 88 ° 42 ' 7.63 " W LONG.

ANTENNA ID: 1 7.3 meters Andrew ESA73-46A

3700.0000 - 4200.0000 MHz	36M0G7W		
ANTENNA ID: 2	4.5 meters	Andrew	ESA45-46A
3700.0000 - 4200.0000 MHz	36M0G7W		
ANTENNA ID: 3	3.8 meters	DH Satellite	DH-38M
3700.0000 - 4200.0000 MHz	36M0G7W		
ANTENNA ID: 4	3 meters	Norsat	Patriot
3700.0000 - 4200.0000 MHz	36M0G7W		

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181003-04853	E E191224	Stowe Cable Systems, LLC	
Registration			10/03/2018 - 10/03/2033
Grant of Authority			Date Effective: 07/07/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 169 Chez Ln, Lamoille, Jeffersonville, VT
44 ° 37 ' 37.54 " N LAT. 72 ° 49 ' 31.97 " W LONG.

ANTENNA ID: 1	3.7 meters	Dawn Co	d37f2c
3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	Digital MPEG4 Video or Audio
ANTENNA ID: 2	3.81 meters	COMTECH	3.8M
3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	Digital MPEG4 Video or Audio

Points of Communication:

- 1 - AMC 10 (S2432) - (135 W.L.)
- 1 - AMC-11(S2433) - (131 W.L.)
- 1 - GALAXY 13 (S2386) - (127 W.L.)
- 1 - GALAXY 14 (S2385) - (125 W.L.)
- 1 - GALAXY 15 (S2387) - (133.1)
- 1 - GALAXY 18 (S2733) - (123 W.L.)

SES-REG-20181004-04838 E E191209 Corporation of the Presiding Bishop of The Church of Jesus Christ of Latter-day
Registration 10/04/2018 - 10/04/2033
Grant of Authority Date Effective: 07/07/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1 Plattsmouth
LOCATION: 2128 Lincoln Avenue, Plattsmouth, NE
40 ° 59 ' 30.73 " N LAT. 95 ° 53 ' 43.11 " W LONG.

ANTENNA ID: 1 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 2 Omaha NE (UNO)
LOCATION: 6714 Dodge Street, Omaha, NE
45 ° 15 ' 37.48 " N LAT. 96 ° 1 ' 1.26 " W LONG.

ANTENNA ID: 2 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 3 CottonwoodPapilion
LOCATION: 12009 South 84th Street, Papillion, NE
41 ° 7 ' 44.43 " N LAT. 96 ° 2 ' 32.22 " W LONG.

ANTENNA ID: 3 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 4 Eagle Run Lakeview
LOCATION: 14680 California Street, Omaha, NE
41 ° 15 ' 55.41 " N LAT. 96 ° 8 ' 33.21 " W LONG.

ANTENNA ID: 4 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 5 Blair
LOCATION: 2703 Sunrise Drive, Blair, NE
41 ° 33 ' 20.12 " N LAT. 96 ° 9 ' 13.78 " W LONG.

ANTENNA ID: 5 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 6 Fremont
LOCATION: 1160 North Garden City Road, FREMONT, NE
41 ° 26 ' 23.66 " N LAT. 96 ° 27 ' 57.07 " W LONG.

ANTENNA ID: 6 3.4 meters GENERAL DYNAMICS Satcom 1344

SITE ID: 13 Capital, Mahoney
LOCATION: 640 North 56th Street, Lincoln, NE
40 ° 49 ' 8.97 " N LAT. 96 ° 38 ' 37.41 " W LONG.

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

SITE ID: 14 Grand Island
LOCATION: 212 West 22nd Street, Grand Island, NE
40 ° 56 ' 35.91 " N LAT. 98 ° 21 ' 16.88 " W LONG.

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

SITE ID: 15 Hastings
LOCATION: 1725 Crane Avenue, Hastings, NE
40 ° 36 ' 14.43 " N LAT. 98 ° 24 ' 42.08 " W LONG.

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

SITE ID: 16 Kearney YSA
LOCATION: 517 East 46th Street Pl, Kearney, NE
40 ° 43 ' 10.36 " N LAT. 99 ° 4 ' 26.37 " W LONG.

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

SITE ID: 17 Broken Bow
LOCATION: 1108 South 1st Avenue, Broken Bow, NE
41 ° 23 ' 44.97 " N LAT. 99 ° 37 ' 50.10 " W LONG.

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

SITE ID: 18 Nebraska City
LOCATION: 920 Centennial Avenue, Nebraska City, NE
40 ° 41 ' 9.04 " N LAT. 95 ° 53 ' 0.75 " W LONG.

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

SITE ID: 19 Columbus
LOCATION: 4400 33rd Street, Columbus, NE
41 ° 26 ' 53.22 " N LAT. 97 ° 22 ' 54.07 " W LONG.

ANTENNA ID: 19 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 20 Hunter LakeRiverB
LOCATION: 1095 Golconda Drive, Reno, NV
39 ° 30 ' 10.84 " N LAT. 119 ° 49 ' 32.27 " W LONG.

ANTENNA ID: 20 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 21 ClearCreekLone Mo
LOCATION: 1331 McKay Drive, Carson City, NV
39 ° 9 ' 27.81 " N LAT. 119 ° 46 ' 49.92 " W LONG.

ANTENNA ID: 21 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 22 ElRanchoRoyal Hts
LOCATION: 2955 North Rock Boulevard, Sparks, NV
39 ° 33 ' 24.37 " N LAT. 119 ° 45 ' 47.41 " W LONG.

ANTENNA ID: 22 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 23 Carson RiverHotSp
LOCATION: 411 N. Saliman Rd, Carson City, NV
39 ° 9 ' 58.23 " N LAT. 119 ° 45 ' 1.50 " W LONG.

ANTENNA ID: 23 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 24 Fernley
LOCATION: 155 Hwy 95A, Fernley, NV
39 ° 36 ' 23.42 " N LAT. 119 ° 15 ' 2.57 " W LONG.

ANTENNA ID: 24 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 25 KeystoneSiennaVis
LOCATION: 2505 Kings Row, Reno, NV
39 ° 32 ' 15.35 " N LAT. 110 ° 50 ' 51.25 " W LONG.

ANTENNA ID: 25 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 26 Yerington
LOCATION: 600 North Oregon St., Yerington, NV
38 ° 59 ' 41.48 " N LAT. 119 ° 9 ' 29.21 " W LONG.

ANTENNA ID: 26 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 27 Fallon
LOCATION: 450 N. Taylor St., Fallon, NV
39 ° 28 ' 53.21 " N LAT. 118 ° 46 ' 51.96 " W LONG.

ANTENNA ID: 27 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 28 Hawthorne
LOCATION: 207 South A St., Hawthorne, NV
38 ° 30 ' 55.67 " N LAT. 118 ° 37 ' 43.49 " W LONG.

ANTENNA ID: 28 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 29 LoveLock
LOCATION: 220 Maple Dr., LoveLock, NV
40 ° 10 ' 14.98 " N LAT. 118 ° 29 ' 5.16 " W LONG.

ANTENNA ID: 29 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 30 Gabbs
LOCATION: 515 Brucite St., Gabbs, NV
38 ° 51 ' 44.08 " N LAT. 117 ° 55 ' 49.32 " W LONG.

ANTENNA ID: 30 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 31 Silver Springs
LOCATION: 5470 Elm St., Silver Springs, NV
39 ° 22 ' 7.04 " N LAT. 119 ° 13 ' 50.63 " W LONG.

ANTENNA ID: 31 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 32 Winnemucca
LOCATION: 111 West McArthur Avenue, Winnemucca, NV
40 ° 57 ' 53.79 " N LAT. 117 ° 43 ' 14.91 " W LONG.

SITE ID: 39 Owyhee
LOCATION: 806 Main St., Owyhee, NV
41 ° 57 ' 3.42 " N LAT. 116 ° 5 ' 57.40 " W LONG.

ANTENNA ID: 39 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 40 Eureka
LOCATION: 511 9th St., Eureka, NV
39 ° 40 ' 46.26 " N LAT. 116 ° 2 ' 17.23 " W LONG.

ANTENNA ID: 40 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 41 Elko
LOCATION: 3001 North 5th Street, Elko, NV
40 ° 50 ' 56.31 " N LAT. 115 ° 47 ' 15.78 " W LONG.

ANTENNA ID: 41 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 42 ElkoYSAMeadowVal
LOCATION: 1651 College Parkway, Elko, NV
40 ° 50 ' 32.01 " N LAT. 115 ° 46 ' 12.70 " W LONG.

ANTENNA ID: 42 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 43 Battle Mountain
LOCATION: 765 West Humboldt Street, Battle Mountain, NV
40 ° 38 ' 26.12 " N LAT. 116 ° 56 ' 44.69 " W LONG.

ANTENNA ID: 43 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 44 Sandy Valley
LOCATION: 2700 Jade Avenue, Sandy Valley, NV
35 ° 48 ' 8.91 " N LAT. 115 ° 35 ' 21.22 " W LONG.

ANTENNA ID: 44 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 45 PaloVerdeSummerli
LOCATION: 10550 Alta Drive, Las Vegas, NV
36 ° 10 ' 4.73 " N LAT. 115 ° 19 ' 31.52 " W LONG.

12 Norfolk - PERMITTED LIST - ()

13 Capital, Mahoney - PERMITTED LIST - ()

14 Grand Island - PERMITTED LIST - ()

15 Hastings - PERMITTED LIST - ()

17 Broken Bow - PERMITTED LIST - ()

18 Nebraska City - PERMITTED LIST - ()

19 Columbus - PERMITTED LIST - ()

2 Omaha NE (UNO) - PERMITTED LIST - ()

20 Hunter LakeRiverB - PERMITTED LIST - ()

21 ClearCreekLone Mo - PERMITTED LIST - ()

22 ElRanchoRoyal Hts - PERMITTED LIST - ()

23 Carson RiverHotSp - PERMITTED LIST - ()

24 Fernley - PERMITTED LIST - ()

25 KeystoneSiennaVis - PERMITTED LIST - ()

26 Yerington - PERMITTED LIST - ()

27 Fallon - PERMITTED LIST - ()

28 Hawthorne - PERMITTED LIST - ()

29 LoveLock - PERMITTED LIST - ()

3 CottonwoodPapilion - PERMITTED LIST - ()

30 Gabbs - PERMITTED LIST - ()

31 Silver Springs - PERMITTED LIST - ()

32 Winnemucca - PERMITTED LIST - ()

33 Antelope Valley - PERMITTED LIST - ()

34 Tonopah - PERMITTED LIST - ()

35 Smoky Valley - PERMITTED LIST - ()

36 Austin - PERMITTED LIST - ()

37 Orovada - PERMITTED LIST - ()

38 Beatty - PERMITTED LIST - ()

39 Owyhee - PERMITTED LIST - ()

4 Eagle Run Lakeview - PERMITTED LIST - ()

40 Eureka - PERMITTED LIST - ()

41 Elko - PERMITTED LIST - ()

42 ElkoYSAMeadowVal - PERMITTED LIST - ()

43 Battle Mountain - PERMITTED LIST - ()

44 Sandy Valley - PERMITTED LIST - ()

45 PaloVerdeSummerli - PERMITTED LIST - ()

46 EganCrestProviden - PERMITTED LIST - ()

47 CedarSpringsElkho - PERMITTED LIST - ()

48 Ruby Valley - PERMITTED LIST - ()

49 Indian Springs - PERMITTED LIST - ()

5 Blair - PERMITTED LIST - ()

50 SierraVistaSouthe - PERMITTED LIST - ()

6 Fremont - PERMITTED LIST - ()

7 Bellevue - PERMITTED LIST - ()

8 Holmes LakePioneer - PERMITTED LIST - ()

9 Lincoln University - PERMITTED LIST - ()

SES-REG-20181005-04856	E	E191227	BEASLEY MEDIA GROUP LICENSES, LLC	
Registration				10/05/2018 - 10/05/2033
Grant of Authority				Date Effective: 07/04/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID:	RO 1	
LOCATION:	55 Morrissey Blvd., Suffolk, Boston, MA	
	42 ° 19 ' 3.80 " N LAT.	71 ° 3 ' 1.70 " W LONG.

ANTENNA ID:	1	3.7 meters	Comtech	3.7
	3700.0000 - 4200.0000 MHz	36M0G7W		Digital Video and Data

Points of Communication:

RO 1 - PERMITTED LIST - ()

SES-REG-20181006-05144	E	E191525	Standard Tobacco Company, Inc.	
Registration				10/06/2018 - 10/06/2033
Grant of Authority				Date Effective: 07/07/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Bracken Head End

LOCATION: 4707 Parina Road, Bracken, Brooksville, KY

38 ° 39 ' 57.08 " N LAT.

84 ° 2 ' 45.73 " W LONG.

ANTENNA ID: BrackenCo1 3.1 meters Patriot Not Known

3700.0000 - 4200.0000 MHz 36M0G7D

Points of Communication:

Bracken Head End - SES-3 (S2892) - (103 W.L.)

SES-REG-20181008-04946 E E191318 Armstrong Utilities, Inc.

Registration

10/08/2018 - 10/08/2033

Grant of Authority

Date Effective: 07/04/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 276 Foxhunters Club Rd, Greenup, Greenup, KY

38 ° 31 ' 11.90 " N LAT.

82 ° 48 ' 25.50 " W LONG.

ANTENNA ID: 1 3.8 meters Patriot ISO 9001/2000

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Video

ANTENNA ID: 2 3.8 meters Patriot ISO 9001/2000

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Video

ANTENNA ID: 3 3.8 meters Patriot ISO 9001/2000

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Video

ANTENNA ID: 4 3.8 meters Patriot ISO 9001/2000

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Video

ANTENNA ID: 5 3.8 meters Patriot ISO 9001/2000

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Video

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181009-04187 E E190504 Corporation of the Presiding Bishop of The Church of Jesus Christ of Latter-day
Registration 10/09/2018 - 10/09/2033
Grant of Authority Date Effective: 07/07/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1 BARABOO
LOCATION: 813 Iroquois Circle, BARABOO, WI
43 ° 28 ' 58.45 " N LAT. 89 ° 45 ' 23.23 " W LONG.

ANTENNA ID: 1 3.4 meters General Dynamics Satcom 1344
3700.0000 - 4200.0000 MHz 36M0G7W NULL

SITE ID: 2 MONROE
LOCATION: 714 24th Street, MONROE, WI
42 ° 35 ' 20.35 " N LAT. 89 ° 39 ' 2.54 " W LONG.

ANTENNA ID: 2 3.4 meters General Dynamics Satcom 1344
3700.0000 - 4200.0000 MHz 36M0G7W NULL

SITE ID: 3 MADISON3,4, VERONA
LOCATION: 701 Bear Claw Way, MADISON, WI
43 ° 4 ' 30.34 " N LAT. 89 ° 32 ' 51.64 " W LONG.

ANTENNA ID: 3 3.4 meters General Dynamics Satcom 1344
3700.0000 - 4200.0000 MHz 36M0G7W NULL

SITE ID: 4 MADISON 1
LOCATION: 4505 Regent Street, MADISON, WI
43 ° 4 ' 6.76 " N LAT. 89 ° 27 ' 13.97 " W LONG.

ANTENNA ID: 4 3.4 meters General Dynamics Satcom 1344
3700.0000 - 4200.0000 MHz 36M0G7W NULL

SITE ID: 5 ADAMS-FRIENDSHIP
LOCATION: 406 East Lake Street, FRIENDSHIP, WI
43 ° 58 ' 27.79 " N LAT. 89 ° 48 ' 35.43 " W LONG.

ANTENNA ID: 5 3.4 meters General Dynamics Satcom 1334
3700.0000 - 4200.0000 MHz 36M0G7W NULL

SITE ID: 6WI MADISON BLDG-171
LOCATION: 1711 University Avenue, MADISON, WI
43 ° 4 ' 23.47 " N LAT. 89 ° 24 ' 56.64 " W LONG.

ANTENNA ID: 6 3.4 meters General Dynamics Satcom 1344

3700.0000 - 4200.0000 MHz	36M0G7W	NULL
SITE ID: 7 STOUGHTON		
LOCATION: 825 South Van Buren Street, STOUGHTON, WI		
42 ° 54 ' 42.84 " N LAT.		89 ° 13 ' 47.60 " W LONG.
ANTENNA ID: 7	3.4 meters	General Dynamics Satcom 1344
3700.0000 - 4200.0000 MHz	36M0G7W	NULL
SITE ID: 8 SUN PRAIRIE		
LOCATION: 6651 Prairie View Drive, SUN PRAIRIE, WI		
43 ° 12 ' 45.29 " N LAT.		89 ° 12 ' 40.94 " W LONG.
ANTENNA ID: 8	3.4 meters	General Dynamics Satcom 1344
3700.0000 - 4200.0000 MHz	36M0G7W	NULL
SITE ID: 9 ANTIGO		
LOCATION: 717 Sunset Drive, ANTIGO, WI		
45 ° 8 ' 32.08 " N LAT.		89 ° 10 ' 17.13 " W LONG.
ANTENNA ID: 9	3.4 meters	General Dynamics Satcom 1344
3700.0000 - 4200.0000 MHz	36M0G7W	NULL
SITE ID: 10 JANESVILLE		
LOCATION: 3001 North Wright Road, JANESVILLE, WI		
42 ° 43 ' 10.00 " N LAT.		88 ° 58 ' 22.42 " W LONG.
ANTENNA ID: 10	3.4 meters	General Dynamics Satcom 1344
3700.0000 - 4200.0000 MHz	36M0G7W	NULL
SITE ID: 11 BEAVER DAM		
LOCATION: 705 East Burnett Street, BEAVER DAM, WI		
43 ° 27 ' 56.45 " N LAT.		88 ° 48 ' 33.32 " W LONG.
ANTENNA ID: 11	3.4 meters	General Dynamics Satcom 1344
3700.0000 - 4200.0000 MHz	36M0G7W	NULL
SITE ID: 12 RHINELANDER		
LOCATION: 780 Iverson Street, RHINELANDER, WI		
45 ° 38 ' 47.91 " N LAT.		89 ° 23 ' 50.50 " W LONG.
ANTENNA ID: 12	3.4 meters	General Dynamics Satcom 1344
3700.0000 - 4200.0000 MHz	36M0G7W	NULL

SITE ID: 13 ELKHORN
 LOCATION: W4615 Potter Road, ELKHORN, WI
 42 ° 42 ' 21.09 " N LAT. 88 ° 31 ' 43.86 " W LONG.

ANTENNA ID: 13 3.4 meters General Dynamics Satcom 1344
 3700.0000 - 4200.0000 MHz 36M0G7W NULL

SITE ID: 14 NEENAHWINNEBAGO YS
 LOCATION: 115 Castle Oak Drive, NEENAH, WI
 44 ° 8 ' 59.50 " N LAT. 88 ° 27 ' 55.21 " W LONG.

ANTENNA ID: 14 3.4 meters General Dynamics Satcom 1344
 3700.0000 - 4200.0000 MHz 36M0G7W NULL

SITE ID: 15 APPLETON 1, 2
 LOCATION: 425 W Park Ridge Avenue, APPLETON, WI
 44 ° 17 ' 33.03 " N LAT. 88 ° 24 ' 39.83 " W LONG.

ANTENNA ID: 15 3.4 meters General Dynamics Satcom 1344
 3700.0000 - 4200.0000 MHz 36M0G7W NULL

SITE ID: 16 FOND DU LAC
 LOCATION: 347 South Country Lane, FOND DU LAC, WI
 43 ° 46 ' 7.84 " N LAT. 88 ° 24 ' 7.85 " W LONG.

ANTENNA ID: 16 3.4 meters General Dynamics Satcom 1344
 3700.0000 - 4200.0000 MHz 36M0G7W NULL

SITE ID: 17 KETTLEMORRAINE, WAUK
 LOCATION: 115 N Wales Rd, WALES, WI
 43 ° 0 ' 20.81 " N LAT. 88 ° 23 ' 5.72 " W LONG.

ANTENNA ID: 17 3.4 meters General Dynamics Satcom 1344
 3700.0000 - 4200.0000 MHz 36M0G7W NULL

SITE ID: 18 GRESHAM
 LOCATION: 1230 Schabow Street, GRESHAM, WI
 44 ° 50 ' 51.66 " N LAT. 88 ° 47 ' 31.84 " W LONG.

ANTENNA ID: 18 3.4 meters General Dynamics Satcom 1344
 3700.0000 - 4200.0000 MHz 36M0G7W NULL

SITE ID: 19 WEST BEND
 LOCATION: 120 West Paradise Drive, WEST BEND, WI
 43 ° 23 ' 52.68 " N LAT. 88 ° 10 ' 20.39 " W LONG.

SITE ID: 26GREEN BAY1,2, 3 (S)
 LOCATION: 651 Pinehurst Avenue, GREEN BAY, WI
 44 ° 29 ' 19.89 " N LAT. 87 ° 57 ' 42.51 " W LONG.

ANTENNA ID: 26 3.4 meters General Dynamics Satcom 1344
 3700.0000 - 4200.0000 MHz 36M0G7W NULL

SITE ID: 27 WISCONSINRAPIDS
 LOCATION: 2640 14th Street South, WISCONSIN RAPIDS, WI
 44 ° 22 ' 14.73 " N LAT. 89 ° 48 ' 36.10 " W LONG.

ANTENNA ID: 27 3.4 meters General Dynamics Satcom 1344
 3700.0000 - 4200.0000 MHz 36M0G7W NULL

SITE ID: 28 THAYNE 1, 2 &
 LOCATION: 276 Dana St, THAYNE, WY
 42 ° 55 ' 3.95 " N LAT. 110 ° 59 ' 57.55 " W LONG.

ANTENNA ID: 28 3.4 meters General Dynamics Satcom 1344
 3700.0000 - 4200.0000 MHz 36M0G7W NULL

SITE ID: 29 BEARRIVER(SP),EVA
 LOCATION: 632 Twin Ridge Avenue, EVANSTON, WY
 41 ° 15 ' 6.30 " N LAT. 110 ° 58 ' 28.12 " W LONG.

ANTENNA ID: 29 3.4 meters General Dynamics Satcom 1344
 3700.0000 - 4200.0000 MHz 36M0G7W NULL

SITE ID: 30 SHEBOYGAN
 LOCATION: 3920 Saemann Avenue, SHEBOYGAN, WI
 43 ° 45 ' 53.84 " N LAT. 87 ° 45 ' 33.38 " W LONG.

ANTENNA ID: 30 3.4 meters General Dynamics Satcom 1344
 3700.0000 - 4200.0000 MHz 36M0G7W NULL

SITE ID: 31 COKEVILLE 1, 2
 LOCATION: 725 E MAIN, COKEVILLE, WY
 42 ° 5 ' 6.30 " N LAT. 110 ° 57 ' 3.55 " W LONG.

ANTENNA ID: 31 3.4 meters General Dynamics Satcom 1344
 3700.0000 - 4200.0000 MHz 36M0G7W NULL

SITE ID: 32AFTON1, 2, STARVAL
 LOCATION: 347 Jefferson St, AFTON, WY
 42 ° 43 ' 34.52 " N LAT. 110 ° 55 ' 37.74 " W LONG.

SITE ID: 39 GREEN RIVER4, 6
 LOCATION: 120 Shoshone Avenue, GREEN RIVER, WY
 41 ° 30 ' 26.46 " N LAT. 109 ° 28 ' 11.94 " W LONG.

ANTENNA ID: 39 3.4 meters General Dynamics Satcom 1344
 3700.0000 - 4200.0000 MHz 36M0G7W NULL

SITE ID: 40DESERTVIEW,PILOT B
 LOCATION: 2055 Edgar Street, ROCK SPRINGS, WY
 41 ° 35 ' 19.74 " N LAT. 109 ° 11 ' 58.00 " W LONG.

ANTENNA ID: 40 3.4 meters General Dynamics Satcom 1344
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW NULL

SITE ID: 41 CODY 2, 3 &
 LOCATION: 1407 13th St, CODY, WY
 44 ° 31 ' 19.30 " N LAT. 109 ° 3 ' 40.99 " W LONG.

ANTENNA ID: 41 3.4 meters General Dynamics Satcom 1344
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW NULL

SITE ID: 42 BIG PINEY
 LOCATION: 2250 Piney Dr, BIG PINEY, WY
 42 ° 32 ' 39.31 " N LAT. 110 ° 8 ' 40.55 " W LONG.

ANTENNA ID: 42 3.4 meters General Dynamics Satcom 1344
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW NULL

SITE ID: 43 WIND RIVER
 LOCATION: 12712 Highway 287, FT WASHAKIE, WY
 42 ° 58 ' 4.82 " N LAT. 108 ° 51 ' 12.53 " W LONG.

ANTENNA ID: 43 3.4 meters General Dynamics Satcom 1344
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW NULL

SITE ID: 44 HEARTMOUNTAINNSA,
 LOCATION: 525 West 7th Street, POWELL, WY
 44 ° 45 ' 40.09 " N LAT. 108 ° 45 ' 58.63 " W LONG.

ANTENNA ID: 44 3.4 meters General Dynamics Satcom 1344
 3700.0000 - 4200.0000 MHz 36M0G7W NULL

SITE ID: 45POWELLWY(NWC) INST
 LOCATION: 730 North Division Street, POWELL, WY
 44 ° 45 ' 42.10 " N LAT. 108 ° 45 ' 55.03 " W LONG.

ANTENNA ID:	45	3.4 meters	General Dynamics	Satcom 1344
	3700.0000 - 4200.0000 MHz		36M0G7W	NULL
SITE ID:	46POPOAGIE,SINKS CAN			
LOCATION:	653 Cascade Street, LANDER, WY			
	42 ° 49 ' 41.69 " N LAT.			108 ° 44 ' 23.31 " W LONG.
ANTENNA ID:	46	3.4 meters	General Dynamics	Satcom 1344
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				NULL
SITE ID:	47 PAVILLION			
LOCATION:	534 Highway 133, PAVILLION, WY			
	43 ° 13 ' 30.80 " N LAT.			108 ° 41 ' 45.46 " W LONG.
ANTENNA ID:	47	3.4 meters	General Dynamics	Satcom 1344
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				NULL
SITE ID:	48 MEETEETSE			
LOCATION:	1716 Hays Avenue, MEETEETSE, WY			
	44 ° 9 ' 5.48 " N LAT.			108 ° 52 ' 26.00 " W LONG.
ANTENNA ID:	48	3.4 meters	General Dynamics	Satcom 1344
	3700.0000 - 4200.0000 MHz		36M0G7W	NULL
SITE ID:	49ASPENPARK,MOUNTAIN			
LOCATION:	430 Elizabeth Drive, RIVERTON, WY			
	43 ° 1 ' 45.26 " N LAT.			108 ° 23 ' 41.25 " W LONG.
ANTENNA ID:	49	3.4 meters	General Dynamics	Satcom 1344
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				NULL
SITE ID:	50BURLINGTON1, 2,OTT			
LOCATION:	114 Cedar Ave, BURLINGTON, WY			
	44 ° 26 ' 43.19 " N LAT.			108 ° 25 ' 47.40 " W LONG.
ANTENNA ID:	50	3.4 meters	General Dynamics	Satcom 1344
	3700.0000 - 4200.0000 MHz		36M0G7W	

Points of Communication:

- 1 BARABOO - PERMITTED LIST - ()
- 10 JANESVILLE - PERMITTED LIST - ()
- 11 BEAVER DAM - PERMITTED LIST - ()
- 12 RHINELANDER - PERMITTED LIST - ()

13 ELKHORN - PERMITTED LIST - ()

14NEENAHWINNEBAGO YS - PERMITTED LIST - ()

15 APPLETON 1, 2 - PERMITTED LIST - ()

16 FOND DU LAC - PERMITTED LIST - ()

17KETTLEMORAIN,WAUK - PERMITTED LIST - ()

18 GRESHAM - PERMITTED LIST - ()

19 WEST BEND - PERMITTED LIST - ()

2 MONROE - PERMITTED LIST - ()

20BROOKFIELDMILWAUKE - PERMITTED LIST - ()

21LAKEMICHIGAN,PARKW - PERMITTED LIST - ()

22MUSKEGOLAKES,OAK C - PERMITTED LIST - ()

23 MILWAUKEE 2 (SP) - PERMITTED LIST - ()

24 ONEIDA - PERMITTED LIST - ()

25 MANITOWOC - PERMITTED LIST - ()

26GREEN BAY1,2, 3 (S - PERMITTED LIST - ()

27 WISCONSINRAPIDS - PERMITTED LIST - ()

28 THAYNE 1, 2 & - PERMITTED LIST - ()

29 BEARRIVER(SP),EVA - PERMITTED LIST - ()

3 MADISON3,4, VERONA - PERMITTED LIST - ()

30 SHEBOYGAN - PERMITTED LIST - ()

31 COKEVILLE 1, 2 - PERMITTED LIST - ()

32AFTON1, 2, STARVAL - PERMITTED LIST - ()

33 KEMMERER 2, 3 - PERMITTED LIST - ()

34 FORTBRIDGER,LYMAN - PERMITTED LIST - ()

35 LA BARGE - PERMITTED LIST - ()

36EVANSTON3, 6,YSA & - PERMITTED LIST - ()

37FREMONTPEAK,TEMPLE - PERMITTED LIST - ()

38 DUBOIS - PERMITTED LIST - ()

39 GREEN RIVER4, 6 - PERMITTED LIST - ()

4 MADISON 1 - PERMITTED LIST - ()

3700.0000 - 4200.0000 MHz	36M0G7F	Digital TV
ANTENNA ID: 7	7 meters G.D.	Torus 750
3700.0000 - 4200.0000 MHz	36M0G7F	Digital TV
ANTENNA ID: 8	4.5 meters Prodelin	1451-990EX
3700.0000 - 4200.0000 MHz	36M0G7F	Digital TV
ANTENNA ID: 9	3.8 meters Patriot	PRT-380AZ
3700.0000 - 4200.0000 MHz	36M0G7F	Digital TV
ANTENNA ID: 10	3.8 meters Patriot	PRT-380AZ
3700.0000 - 4200.0000 MHz	36M0G7F	Digital TV

Points of Communication:

3 - PERMITTED LIST - ()

SES-REG-20181009-05127	E E191507	Bridgelight, LLC	10/09/2018 - 10/09/2033
Registration			Date Effective: 07/04/2020
Grant of Authority			

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
 LOCATION: 127 White Oak Lane, Middlesex, Old Bridge, NJ
 40 ° 24 ' 28.40 " N LAT. 74 ° 19 ' 9.60 " W LONG.

ANTENNA ID: 1	3 meters Prodelin	3-34-37ro
3700.0000 - 4200.0000 MHz	36M0G7W	Digital traffic, various FEC, data rates and modulations

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181009-05135	E E191515	Christopher M O Hearn	10/02/2018 - 10/02/2033
Registration			Date Effective: 07/06/2020
Grant of Authority			

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
 LOCATION: 201 STATE ST, La Crosse, LA CROSSE, WI
 43 ° 48 ' 52.10 " N LAT. 91 ° 15 ' 10.31 " W LONG.

ANTENNA ID:	1	3.7 meters	DH Satellite	37DH1
	3700.0000 - 4200.0000 MHz		36M0G7W 0.00 dBW	Digital Multiplex Carrier
ANTENNA ID:	2	3 meters	Channel Master	6363M
	3700.0000 - 4200.0000 MHz		36M0G7W 0.00 dBW	Digital Multiplex Carrier

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181010-05166	E	E191547	6 Johnson Road Licenses, Inc.	10/10/2018 - 10/10/2033
Registration				Date Effective: 07/07/2020
Grant of Authority				

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Glens Falls
 LOCATION: 89 Everts Ave, Warren, Queensbury, NY
 43 ° 19 ' 46.08 " N LAT. 73 ° 38 ' 51.38 " W LONG.

ANTENNA ID:	1	2.8 meters	Comtech	2.8meter
	3700.0000 - 4200.0000 MHz		36M0G7W	

Points of Communication:

Glens Falls - PERMITTED LIST - ()

SES-REG-20181010-05167	E	E191548	Northland Cable Television, Inc.	10/10/2018 - 10/10/2033
Registration				Date Effective: 07/06/2020
Grant of Authority				

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Swainsboro - NCTV
 LOCATION: 1648 Hwy. 56 South, Emanuel, Swainsboro, GA
 32 ° 32 ' 30.30 " N LAT. 82 ° 22 ' 54.20 " W LONG.

ANTENNA ID:	Antenna 1	4.7 meters	Patriot	Unknown
	3700.0000 - 4200.0000 MHz		36M0G7W 0.00 dBW	Digital Video Programming
ANTENNA ID:	Antenna 2	4.7 meters	Scientific Atlanta	Unknown
	3700.0000 - 4200.0000 MHz		36M0G7W 0.00 dBW	Digital Video Programming
ANTENNA ID:	Antenna 3	4.7 meters	Prodelia	Unknown

3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	Digital Video Programming
ANTENNA ID: Antenna 4	5 meters	Patriot	Unknown
3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	Digital Video Programming
ANTENNA ID: Antenna 5	5 meters	Comteck	Unknown
3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	Digital Video Programming
ANTENNA ID: Antenna 6	5 meters	Patriot	Unknown
3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	Digital Video Programming
ANTENNA ID: Antenna 7	2.8 meters	Scientific Atlanta	Unknown
3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	Digital Video Programming

Points of Communication:

Swainsboro - NCTV - PERMITTED LIST - ()

SES-REG-20181010-05177	E E191558	Dierking Communications Inc	10/10/2018 - 10/10/2033
Registration			Date Effective: 07/04/2020
Grant of Authority			

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Site 1
 LOCATION: 1937 Hwy 24, Mitchell, Glen Elder, KS
 39 ° 30 ' 27.10 " N LAT. 98 ° 18 ' 51.90 " W LONG.

ANTENNA ID: ANT1	3.5 meters	Paraclipse	TVRO-3.5
3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	Digital audio and control signals

Points of Communication:

Site 1 - PERMITTED LIST - ()

SES-REG-20181010-05289	E E191664	Radio Millennium LLC	10/10/2018 - 10/10/2033
Registration			Date Effective: 07/07/2020
Grant of Authority			

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: KMKX
 LOCATION: 1100 HASTINGS ROAD, UKIAH, CA
 39 ° 8 ' 7.60 " N LAT. 123 ° 11 ' 34.00 " W LONG.

ANTENNA ID:	KMKX	3.7 meters	DAWNCO	3.7	
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW	DIGITAL AUDIO

Points of Communication:

KMKX - PERMITTED LIST - ()

SES-REG-20181011-05440	E	E200145	Mountain Licenses, L.P.	
Registration				10/10/2018 - 10/10/2033
Grant of Authority				Date Effective: 07/01/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Spokane Studio
LOCATION: 4600 S Regal St, Spokane, WA
47 ° 36 ' 39.88 " N LAT. 117 ° 22 ' 3.78 " W LONG.

ANTENNA ID:	AMC 18	5 meters	AFC	unknown
	3700.0000 - 4200.0000 MHz		36M0G7F	digital video
ANTENNA ID:	G 19	5 meters	AFC	unknown
	3700.0000 - 4200.0000 MHz		36M0G7F	digital video
ANTENNA ID:	G 14	3.4 meters	Prodelin	unknown
	3700.0000 - 4200.0000 MHz		36M0G7F	digital videl
ANTENNA ID:	SmallSteer	3.7 meters	DH	37DH1
	3700.0000 - 4200.0000 MHz		36M0G7W	digital video
ANTENNA ID:	OldSteer	5 meters	AFC	unknown
	3700.0000 - 4200.0000 MHz		36M0G7F	digital video
ANTENNA ID:	DonsDish	3.8 meters	Patriot	unknown
	3700.0000 - 4200.0000 MHz		36M0G7F	digital video

Points of Communication:

Spokane Studio - PERMITTED LIST - ()

SES-REG-20181011-05768	E	E200460	UNIVERSITY OF NORTHWESTERN - ST. PAUL	
Registration				10/11/2018 - 10/11/2033
Grant of Authority				Date Effective: 07/04/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: KTIS

LOCATION: 2993 Snelling Ave North, Ramsey, ST. Paul, MN
45 ° 1 ' 51.88 " N LAT.

93 ° 10 ' 4.30 " W LONG.

ANTENNA ID: KTIS 3.66 meters Prodelin Series 1374

3700.0000 - 4200.0000 MHz 36M0G7W ALLSAT

Points of Communication:

KTIS - PERMITTED LIST - ()

SES-REG-20181012-05286 E E191661 Houston Christian Broadcasters, Inc.

Registration

10/12/2018 - 10/12/2033

Grant of Authority

Date Effective: 07/06/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Austin

LOCATION: 2001 Waymaker Way, Travis, Austin, TX
30 ° 19 ' 22.00 " N LAT.

97 ° 48 ' 9.00 " W LONG.

ANTENNA ID: Austin 3 meters Prodelin 1304

3700.0000 - 4200.0000 MHz 400KG7W

Points of Communication:

Austin - PERMITTED LIST - ()

SES-REG-20181012-05500 E E200205 Monticello Wayne County Media Inc

Registration

10/10/2018 - 10/10/2033

Grant of Authority

Date Effective: 07/07/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Site A

LOCATION: 105 Highway 3106 105 Highway 3106, Wayne, Monticello, KY
26 ° 51 ' 7.45 " N LAT.

84 ° 50 ' 6.90 " W LONG.

ANTENNA ID: 1 4.5 meters

3700.0000 - 4200.0000 MHz 0.00 dBW

Points of Communication:

Site A - PERMITTED LIST - ()

SES-REG-20181012-05581 E E200284 Nebraska Educational Telecommunications Commission
Registration 10/12/2018 - 10/12/2033
Grant of Authority Date Effective: 07/02/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

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

ANTENNA ID:	SA Lincoln	3.2 meters	Scientific Atlanta	9000
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Data, Audio or Video
	3700.0000 - 4200.0000 MHz		308KG7W	Digital Data, Audio or Video

Points of Communication:

SA antennas, Lincoln - PERMITTED LIST - ()

SES-REG-20181012-05584 E E200286 Ind. Co. Cable TV, Inc
Registration 10/12/2018 - 10/12/2033
Grant of Authority Date Effective: 07/01/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: pangburn
LOCATION: 24 longbranch rd pangburn, white, pangburn, AR
35 ° 33 ' 39.87 " N LAT. 91 ° 55 ' 59.49 " W LONG.

ANTENNA ID:	ant 2	3.8 meters	aluminum	3.8
	3700.0000 - 4200.0000 MHz		36M0G7D	video
ANTENNA ID:	ant 3	3.8 meters	dh	3.8
	3700.0000 - 4200.0000 MHz		36M0G7D	video
ANTENNA ID:	ant 4	3.8 meters	fiberglass	3.8
	3700.0000 - 4200.0000 MHz		36M0G7D	video
ANTENNA ID:	ant 5	3 meters	patriot	3.0
	3700.0000 - 4200.0000 MHz		36M0G7D	video
ANTENNA ID:	ant 6	3.8 meters	aluminum	3.8
	3700.0000 - 4200.0000 MHz		36M0G7D	video

Nature of Service: Fixed Satellite Service

SITE ID: Main Studio R/O Dish
LOCATION: 4800 W Waco Drive, McLennan, Waco, TX
31 ° 31 ' 14.95 " N LAT. 97 ° 10 ' 38.01 " W LONG.

ANTENNA ID: Main 3 meters Comtech Comtech 3.0
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW QPSK modulation, digital audio and video data

Points of Communication:

Main Studio R/O Dish - AMC-15 (S2180) - (105.0 W.L.)

SES-REG-20181012-05595 E E200298 Guadalupe Valley Communications Systems L.P.
Registration 10/12/2018 - 10/12/2033
Grant of Authority Date Effective: 07/02/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Balcones
LOCATION: 39 Cascade Caverns Road, Kendall, Boerne, TX
29 ° 45 ' 23.38 " N LAT. 98 ° 41 ' 35.17 " W LONG.

ANTENNA ID: ES1 4.5 meters Superior Satellite 8345
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Video

ANTENNA ID: ES2 4.5 meters Patriot 4.5
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Video

ANTENNA ID: ES3 4.5 meters Patriot 4.5
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital video

ANTENNA ID: ES4 3.8 meters Patriot 3.8
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Video

Points of Communication:

Balcones - PERMITTED LIST - ()

SES-REG-20181012-05767 E E200459 Family Life Educational Foundation
Registration 10/12/2018 - 10/12/2033
Grant of Authority Date Effective: 07/06/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: KFLO-FM

LOCATION: 2097 N Hearne Ave, Louisiana, Shreveport, LA

32 ° 31 ' 55.60 " N LAT.

93 ° 46 ' 33.40 " W LONG.

ANTENNA ID: KFLO-FM 1 3.8 meters Comtech 3.8 meter

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital various FEC, data rates and modulation

Points of Communication:

KFLO-FM - PERMITTED LIST - ()

SES-REG-20181013-05612 E E200314 Mercy's Bridge Media, LLC

Registration

10/13/2018 - 10/13/2033

Grant of Authority

Date Effective: 07/07/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Site A

LOCATION: 1521 Oak Grove Church Rd., Robeson, Lumberton, NC

34 ° 42 ' 2.00 " N LAT.

79 ° 6 ' 30.00 " W LONG.

ANTENNA ID: 2.5M 2.4384 meters Channel Master Prime Focus Mesh Dis

3700.0000 - 4200.0000 MHz 36M0G7W video

ANTENNA ID: 4.87M 4.8768 meters AllSat 4.87M

3700.0000 - 4200.0000 MHz 36M0G7W Video

Points of Communication:

Site A - PERMITTED LIST - ()

SES-REG-20181014-04655 E E191022 CADD0 BROADCASTING COMPANY dba KVRE FM

Registration

09/04/2018 - 09/04/2033

Grant of Authority

Date Effective: 07/02/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: HOT SPRINGS VILLAGE

LOCATION: 122 DESOTO CENTER DRIVE, GARLAND, HOT SPRINGS VILLAGE, AR

34 ° 40 ' 23.00 " N LAT.

93 ° 1 ' 54.00 " W LONG.

ANTENNA ID: KVRE 4 meters COMTECH ANTENNA 3.8M EL/AZ

3700.0000 - 4200.0000 MHz	30M0G7W	Modulation and Services Digital Video
3700.0000 - 4200.0000 MHz	36M0F8F	Modulation and Services Analog Video with associated subcarriers

SITE ID: Eufaula, AL
LOCATION: Fort Browder Rd, Barbour, Eufaula, AL
31 ° 54 ' 30.12 " N LAT. 85 ° 9 ' 55.81 " W LONG.

ANTENNA ID: Receive2	3.7 meters	DH Satellite	37DH1
3700.0000 - 4200.0000 MHz	30M0G7W	Modulation and Services Digital Video	
3700.0000 - 4200.0000 MHz	36M0F8F	Modulation and Services Analog Video with associated subcarriers	

Points of Communication:

- Andalusia, AL - PERMITTED LIST - ()
- Eufaula, AL - PERMITTED LIST - ()
- Montgomery, AL - PERMITTED LIST - ()

SES-REG-20181015-05260 E E191632 Pecos Radio Company, Inc.
Registration 10/15/2018 - 10/15/2033
Grant of Authority Date Effective: 07/02/2020

Class of Station: Fixed Earth Stations
Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 316 S. Ceder, Pecos, TX
31 ° 25 ' 31.09 " N LAT. 103 ° 29 ' 37.92 " W LONG.

ANTENNA ID: Ant 2	3 meters	Prodeliiln	1305990
3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	Digital Audio

Points of Communication:

- 1 - PERMITTED LIST - ()

SES-REG-20181015-05719 E E200408 Sound Broadcasters, Inc.
Registration 10/15/2018 - 10/15/2033
Grant of Authority Date Effective: 07/02/2020

Class of Station: Fixed Earth Stations
Nature of Service: Fixed Satellite Service

SITE ID: WKTG Studios
LOCATION: 2380 North Main Street, Hopkins, Madisonville, KY
37 ° 21 ' 30.30 " N LAT. 87 ° 29 ' 47.80 " W LONG.

ANTENNA ID: Mesh 3.6 meters UNK 3.6
3700.0000 - 4200.0000 MHz 36M0G7W QPSK 8PSK Digital

Points of Communication:

WKTG Studios - PERMITTED LIST - ()

SES-REG-20181015-05720 E E200409 MBC Grand Broadcasting, Inc.
Registration 10/15/2018 - 10/15/2033
Grant of Authority Date Effective: 07/02/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Studio
LOCATION: 1360 E. Sherwood Drive, Mesa, Grand Junction, CO
39 ° 4 ' 45.93 " N LAT. 108 ° 34 ' 7.34 " W LONG.

ANTENNA ID: ANT1 3.7 meters Prodelin unknown
3700.0000 - 4200.0000 MHz 8K00A3E Radio Analog Audio

Points of Communication:

Studio - PERMITTED LIST - ()

SES-REG-20181015-05766 E E200458 Vyve Broadband J
Registration 10/04/2018 - 10/04/2033
Grant of Authority Date Effective: 07/02/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Central SC Headend
LOCATION: 199 Dorsey Drive (rear), Pickens, Central, SC
34 ° 41 ' 48.00 " N LAT. 82 ° 44 ' 36.00 " W LONG.

ANTENNA ID: Central 1 3.5 meters Patriot Unk
3700.0000 - 4200.0000 MHz 36M0G7W

ANTENNA ID: Central 2 3.5 meters Patriot Unk
3700.0000 - 4200.0000 MHz 36M0G7W

ANTENNA ID: Central 3 3.5 meters Patriot Unk

Points of Communication:

WDER Studio - PERMITTED LIST - ()

SES-REG-20181015-05785 E E200477 Columbus City Schools
Registration 10/15/2018 - 10/15/2033
Grant of Authority Date Effective: 07/02/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Site 1
LOCATION: 546 Jack Gibbs Blvd, Franklin, Columbus, OH
39 ° 58 ' 29.71 " N LAT. 82 ° 59 ' 9.60 " W LONG.

ANTENNA ID: MainAnt 3.8 meters Comtech 829165-G1
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Audio with associated subcarriers

Points of Communication:

Site 1 - PERMITTED LIST - ()

SES-REG-20181015-05786 E E200478 Ind. Co. Cable TV, Inc
Registration 10/15/2018 - 10/15/2033
Grant of Authority Date Effective: 07/02/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: BRADFORD
LOCATION: 1096 VELVET RIDGE RD BRADFORD, WHITE, BRADFORD, AR
35 ° 25 ' 26.09 " N LAT. 91 ° 28 ' 17.63 " W LONG.

ANTENNA ID: ant 1 3.8 meters aluminum 3.8
3700.0000 - 4200.0000 MHz 36M0G7D video

ANTENNA ID: ant 2 3.8 meters dh 3.8
3700.0000 - 4200.0000 MHz 36M0G7D video

ANTENNA ID: ant 3 3.8 meters patriot 3.8
3700.0000 - 4200.0000 MHz 36M0G7D video

ANTENNA ID: ant 4 3 meters aluminum 3.0
3700.0000 - 4200.0000 MHz 36M0G7D video

ANTENNA ID: ant 5 3 meters aluminum 3.0

3700.0000 - 4200.0000 MHz	36M0G7D	video
ANTENNA ID: ant 6	3 meters patriot	3.0
3700.0000 - 4200.0000 MHz	36M0G7D	video
ANTENNA ID: ant 7	3 meters aluminum	3.0
3700.0000 - 4200.0000 MHz	36M0G7D	video

Points of Communication:

BRADFORD - PERMITTED LIST - ()

SES-REG-20181015-05788	E E200480	Armor of God Catholic Radio Apostolate	10/15/2018 - 10/15/2033
Registration			Date Effective: 07/04/2020
Grant of Authority			

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Site1
 LOCATION: 1641 FM 2808, TEXAS, Kempner, TX
 31 ° 4 ' 20.53 " N LAT. 97 ° 58 ' 40.70 " W LONG.

ANTENNA ID: 12f	3.7 meters	DH Antennas	1
3700.0000 - 4200.0000 MHz	36M0G7W	QPSK Modulation providing analog audio	

Points of Communication:

Site1 - PERMITTED LIST - ()

SES-REG-20181015-05789	E E200481	Perdue University Fort Wayne	10/15/2018 - 10/15/2033
Registration			Date Effective: 07/02/2020
Grant of Authority			

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Helmke Library
 LOCATION: 2101 East Coliseum blvd Fort Wayne, Allen, Fort Wayne, IN
 41 ° 7 ' 2.00 " N LAT. 85 ° 6 ' 28.00 " W LONG.

ANTENNA ID: CTV	5 meters	Comtech	5M
3700.0000 - 4200.0000 MHz	36M0G7W		

Points of Communication:

Helmke Library - PERMITTED LIST - ()

SES-REG-20181015-05790 E E200482 TCB BROADCASTING, INC.
Registration 10/15/2018 - 10/15/2033
Grant of Authority Date Effective: 07/02/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Lyons

LOCATION: 473 North Victory Drive, Toombs, Lyons, GA
32 ° 6 ' 48.68 " N LAT.

82 ° 23 ' 51.46 " W LONG.

ANTENNA ID: Lyons 3.7 meters General Dynamics Prodelin 1374

3700.0000 - 4200.0000 MHz 36M0G7W digital audio

Points of Communication:

Lyons - PERMITTED LIST - ()

SES-REG-20181015-05792 E E200484 BAS Broadcasting, Inc.
Registration 10/15/2018 - 10/15/2033
Grant of Authority Date Effective: 07/02/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: SITE 1

LOCATION: 1281 N. River Rd., Sandusky, Fremont, OH
41 ° 21 ' 58.20 " N LAT.

83 ° 5 ' 19.70 " W LONG.

ANTENNA ID: ANT1 3.7 meters NSN 3.7

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Audio and video signals

Points of Communication:

SITE 1 - PERMITTED LIST - ()

SES-REG-20181015-05801 E E200493 El Sembrador Ministries
Registration 10/15/2018 - 10/15/2033
Grant of Authority Date Effective: 07/06/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: B1

LOCATION: 4203 S Brea Ave, Los Angeles, Los Angeles, CA
34 ° 0 ' 25.60 " N LAT.

118 ° 21 ' 57.90 " W LONG.

SES-REG-20181015-05856 E E200546 Nex-Tech LLC
Registration 10/15/2018 - 10/15/2033
Grant of Authority Date Effective: 07/04/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 25917 Third Street, Norton, Edmond, KS
39 ° 37 ' 36.20 " N LAT. 99 ° 49 ' 20.51 " W LONG.

ANTENNA ID:	G-14	4.5 meters	Scientific American	8345
	3700.0000 - 4200.0000 MHz		30M0G7W 0.00 dBW	Video
ANTENNA ID:	AMC 15	4.5 meters	Scientific American	8345
	3700.0000 - 4200.0000 MHz		30M0G7W 0.00 dBW	Video
ANTENNA ID:	G-23	4.5 meters	Scientific American	8345
	3700.0000 - 4200.0000 MHz		30M0G7W 0.00 dBW	Video
ANTENNA ID:	G-17	4.6 meters	Scientific American	8346
	3700.0000 - 4200.0000 MHz		30M0G7W 0.00 dBW	Video
ANTENNA ID:	G-15	4.5 meters	Scientific American	8345
	3700.0000 - 4200.0000 MHz		30M0G7W 0.00 dBW	Video
ANTENNA ID:	SES-11	4.5 meters	Scientific American	8345
	3700.0000 - 4200.0000 MHz		30M0G7W 0.00 dBW	Video
ANTENNA ID:	Number 6	4.5 meters	Scientific Atlanta	8345
	3700.0000 - 4200.0000 MHz		30M0G7W 0.00 dBW	Video

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181015-05859 E E200549 Armada Media - Watertown, Inc.
Registration 10/15/2018 - 10/15/2033
Grant of Authority Date Effective: 07/06/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: KDIO
LOCATION: 47 2ND ST NW, ORTONVILLE, MN
45 ° 17 ' 59.00 " N LAT. 96 ° 26 ' 22.00 " W LONG.

ANTENNA ID: KDIO 3.8 meters MIRALITE MIRALITE 3.8M
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW DIGITAL BROADCAST AUDIO CARRIER

Points of Communication:

KDIO - PERMITTED LIST - ()

SES-REG-20181015-05860 E E200550 Armada Media - Watertown, Inc.
Registration 10/15/2018 - 10/15/2033
Grant of Authority Date Effective: 07/02/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: KMSD
LOCATION: 15096 US HWY 15, MILBANK, SD
45 ° 11 ' 40.00 " N LAT. 96 ° 38 ' 24.00 " W LONG.

ANTENNA ID: KMSD 3.8 meters MIRALITE MIRALITE 3.8M
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW DIGITAL BROADCAST AUDIO CARRIERS

Points of Communication:

KMSD - PERMITTED LIST - ()

SES-REG-20181015-05861 E E200551 Radio Plus Bay Cities LLC
Registration 10/15/2018 - 10/15/2033
Grant of Authority Date Effective: 07/02/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: WAGN
LOCATION: 413 10TH AVE, MENOMINEE, MI
45 ° 6 ' 26.00 " N LAT. 87 ° 36 ' 24.00 " W LONG.

ANTENNA ID: WAGN 3 meters WINEGARD WIN 3M
3700.0000 - 4200.0000 MHz 36M0F8F 0.00 dBW DIGITAL AUDIO CARRIERS

Points of Communication:

WAGN - PERMITTED LIST - ()

SES-REG-20181015-05889 E E200579 CHEROKEE BROADCASTING CO
Registration 10/14/2018 - 10/14/2033
Grant of Authority Date Effective: 07/02/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 329 Richardson Rd. SE, Gordon, Calhoun, GA
34 ° 28 ' 21.73 " N LAT. 84 ° 55 ' 38.58 " W LONG.

ANTENNA ID: 1 3.5 meters Scientific Atlanta 9000
3700.0000 - 4200.0000 MHz 36M0G7W Digital Audio and Video Signals

Points of Communication:

1 - AMC-18 (S2713) - (139 WL)

SES-REG-20181015-05921 E E200611 FEDERAL EXPRESS CORPORATION
Registration 10/15/2018 - 10/15/2033
Grant of Authority Date Effective: 07/06/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: EDC
LOCATION: 250 Spectrum Loop, El Paso, Colorado Springs, CO
39 ° 1 ' 34.00 " N LAT. 104 ° 49 ' 11.50 " W LONG.

ANTENNA ID: NOAA3 3.7 meters Prodelin 1374
3700.0000 - 4200.0000 MHz 36M0G7W

Points of Communication:

EDC - PERMITTED LIST - ()

SES-REG-20181015-05946 E E200638 El Sembrador Ministries
Registration 10/15/2018 - 10/15/2033
Grant of Authority Date Effective: 07/06/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: B5
LOCATION: 94352 70th Ave, Riverside, Mecca, CA
33 ° 32 ' 24.00 " N LAT. 116 ° 1 ' 13.00 " W LONG.

ANTENNA ID: B5 3.7 meters DH Satellite 3.7 M4PC60

SITE ID: WARV Studio
LOCATION: 19 Luther Ave, Kent, Warwick, RI
41 ° 42 ' 5.94 " N LAT. 71 ° 27 ' 34.36 " W LONG.

ANTENNA ID: ANT1 3.3 meters Comtech 3.3 meter
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Audio

Points of Communication:

WARV Studio - PERMITTED LIST - ()

SES-REG-20181015-05983 E E200676 Dubois County Broadcasting, 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: Madison, IN Site
LOCATION: 1224 E. Telegraph Hill Road, Jefferson, Madiosn, IN
38 ° 44 ' 31.30 " N LAT. 85 ° 21 ' 43.90 " W LONG.

ANTENNA ID: ANT1 3.9 meters Patriot n/a
3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Analog and Digital Video and Audio

SITE ID: Jasper, IN Site
LOCATION: 458 3rd Avenue, Dubois, Jasper, IN
38 ° 22 ' 52.60 " N LAT. 86 ° 55 ' 17.10 " W LONG.

ANTENNA ID: ANT1 3 meters Winegard n/a
3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Analog and Digital Video and Audio

ANTENNA ID: ANT2 3.9 meters Patriot n/a
3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Analog and Digital Video and Audio

Points of Communication:

Jasper, IN Site - PERMITTED LIST - ()

Madison, IN Site - PERMITTED LIST - ()

SES-REG-20181015-05990 E E200683 LAURENCE R HUNT (d/b/a KING KONG BROADCASTING)
Registration 10/15/2018 - 10/15/2033
Grant of Authority Date Effective: 07/02/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: LV
 LOCATION: 205 Centrocelle Ave, Clark, Las Vegas, NV
 35 ° 58 ' 46.30 " N LAT. 115 ° 9 ' 48.40 " W LONG.

ANTENNA ID:	LV2	3.048 meters	Unknown	12
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video Carrier
ANTENNA ID:	LV1	3.048 meters	Unknown	12
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video Carrier

Points of Communication:

LV - PERMITTED LIST - ()

SES-REG-20181015-05992	E	E200685	Community Cable & Broadband, Inc.	10/15/2018 - 10/15/2033
Registration				Date Effective: 07/08/2020
Grant of Authority				

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Yale
 LOCATION: 814 W Boston Ave, Payne, Yale, OK
 36 ° 6 ' 55.15 " N LAT. 96 ° 42 ' 35.84 " W LONG.

ANTENNA ID:	ANT1	3.8 meters	Satellite Exporting and Engineering	Patriot PRT-380
	3700.0000 - 4200.0000 MHz		36M0G7W	
ANTENNA ID:	ANT2	3.8 meters	Satellite Exporting and Engineering	Patriot PRT-380
	3700.0000 - 4200.0000 MHz		36M0G7W	
ANTENNA ID:	ANT3	3.8 meters	Satellite Exporting and Engineering	Patriot PRT-380
	3700.0000 - 4200.0000 MHz		36M0G7W	
ANTENNA ID:	ANT4	3.8 meters	Satellite Exporting and Engineering	Patriot PRT-380
	3700.0000 - 4200.0000 MHz		36M0G7W	
ANTENNA ID:	ANT5	3.8 meters	Scientific Atlanta	N/A
	3700.0000 - 4200.0000 MHz		36M0G7W	
ANTENNA ID:	ANT6	4.5 meters	N/A	N/A
	3700.0000 - 4200.0000 MHz		36M0G7W	
ANTENNA ID:	ANT7	3.9 meters	N/A	N/A

3700.0000 - 4200.0000 MHz 36M0G7W

Points of Communication:

Yale - PERMITTED LIST - ()

SES-REG-20181015-05994 E E200687 Sandhills Broadcasting LLC
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: Site 1
LOCATION: 356 S. Main St., Brown, Ainsworth, NE
42 ° 32 ' 35.60 " N LAT. 99 ° 51 ' 42.80 " W LONG.

ANTENNA ID: unknown

3700.0000 - 4200.0000 MHz 36M0G7W

Points of Communication:

Site 1 - PERMITTED LIST - ()

SES-REG-20181015-06007 E E200701 Valkyrie Broadcasting, Inc.
Registration 10/12/2018 - 10/12/2033
Grant of Authority Date Effective: 07/02/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Site 1
LOCATION: 1649 Commercial Street, Benton, Warsaw, MO
38 ° 15 ' 17.80 " N LAT. 93 ° 22 ' 4.90 " 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-20181015-06013 E E200707 Perry County Broadcasting Company, Inc.
Registration 10/15/2018 - 10/15/2033
Grant of Authority Date Effective: 07/02/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Site 1
LOCATION: 210 South Jackson Street, Perry, New Lexington, OH
39 ° 42 ' 48.20 " N LAT. 82 ° 12 ' 22.00 " W LONG.

ANTENNA ID: ANT1 3.7 meters General Dynamics Satcom 1374-990
3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Digital Audio with associated subcarriers

Points of Communication:

Site 1 - PERMITTED LIST - ()

SES-REG-20181015-06021 E E200715 Edward A Baker (d/b/a Dublin Radio)
Registration 10/15/2018 - 10/15/2033
Grant of Authority Date Effective: 07/04/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Blacksburg
LOCATION: 145 Jackson St NE, Montgomery, Blacksburg, VA
37 ° 13 ' 51.80 " N LAT. 80 ° 24 ' 49.50 " W LONG.

ANTENNA ID: Bburg1 3.7 meters Prodelin 1374-995
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Modulation and Services Digital Audio

Points of Communication:

Blacksburg - SES-11 (S2964) - (104.95 W.L.)

SES-REG-20181015-06024 E E200718 Bicoastal Media Licenses II, LLC
Registration 10/15/2018 - 10/15/2033
Grant of Authority Date Effective: 07/04/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Crescent City Studio
LOCATION: 1345 Northcrest Drive, Del Norte, Crescent City, CA
41 ° 46 ' 14.90 " N LAT. 124 ° 11 ' 56.85 " W LONG.

ANTENNA ID: SES-11 3.7 meters Dawnc0 D37F48-4PC-5.5
3700.0000 - 4200.0000 MHz 36M0G7W Digital Audio

Points of Communication:

Crescent City Studio - PERMITTED LIST - ()

SES-REG-20181015-06025 E E200719 Sutton Radiocasting Corporation
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: WFSC/WNCC Dish
LOCATION: 180 Radio Hill Road, Macon, Franklin, NC
35 ° 12 ' 38.88 " N LAT. 83 ° 22 ' 6.78 " 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:

WFSC/WNCC Dish - PERMITTED LIST - ()

SES-REG-20181015-06027 E E200721 Bicoastal Media Licenses IV, LLC
Registration 10/15/2018 - 10/15/2033
Grant of Authority Date Effective: 07/04/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Longview Studios
LOCATION: 1130 14th Avenue, Cowlitz, Longview, WA
46 ° 8 ' 4.60 " N LAT. 122 ° 56 ' 11.27 " W LONG.

ANTENNA ID: SES-11 3.7 meters Dawnco D37F48-4PC-5.5
3700.0000 - 4200.0000 MHz 36M0G7W Digital Audio

Points of Communication:

Longview Studios - PERMITTED LIST - ()

SES-REG-20181015-06034 E E200728 WSJM, Inc.
Registration 10/15/2018 - 10/15/2033
Grant of Authority Date Effective: 07/04/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 1301 E. Douglas Rd, St Joseph, Mishawaka, IN
41 ° 42 ' 28.55 " N LAT. 86 ° 9 ' 55.94 " W LONG.

ANTENNA ID: 1 4.5 meters Scientific Atlanta 100

3700.0000 - 4200.0000 MHz

36M0G7W

analog and digital audio

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181015-06036

E E200730

Ind. Co. Cable TV, 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: gumspring

LOCATION: 2405 hwy 267 searcy, white, gumspring, AR

35 ° 11 ' 51.33 " N LAT.

91 ° 47 ' 2.70 " W LONG.

ANTENNA ID:	ant 1	3.8 meters	patriot	3.8
	3700.0000 - 4200.0000 MHz		36M0G7D	video
ANTENNA ID:	ant 2	3.8 meters	dh	3.8
	3700.0000 - 4200.0000 MHz		36M0G7D	video
ANTENNA ID:	ant 3	3.8 meters	aluminum	3.8
	3700.0000 - 4200.0000 MHz		36M0G7D	video
ANTENNA ID:	ant 4	3.8 meters	aluminum	3.8
	3700.0000 - 4200.0000 MHz		36M0G7D	video
ANTENNA ID:	ant 5	3.8 meters	aluminum	3.8
	3700.0000 - 4200.0000 MHz		36M0G7D	video
ANTENNA ID:	ant 6	3 meters	aluminum	3.0
	3700.0000 - 4200.0000 MHz		36M0G7D	video
ANTENNA ID:	ant 7	3 meters	aluminum	3.0
	3700.0000 - 4200.0000 MHz		36M0G7D	video

Points of Communication:

gumspring - PERMITTED LIST - ()

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: PLAINVIEW

LOCATION: 3041 hwy 157 plainview, white, plainview, AR

35 ° 20 ' 6.66 " N LAT.

91 ° 40 ' 32.89 " W LONG.

ANTENNA ID:	ant 1	3 meters	aluminum	3.0
	3700.0000 - 4200.0000 MHz		36M0G7D	video
ANTENNA ID:	ant 2	3 meters	aluminum	3.0
	3700.0000 - 4200.0000 MHz		36M0G7D	video
ANTENNA ID:	ant 3	3.8 meters	aluminum	3.8
	3700.0000 - 4200.0000 MHz		36M0G7D	video
ANTENNA ID:	ant 4	3.8 meters	aluminum	3.8
	3700.0000 - 4200.0000 MHz		36M0G7D	video
ANTENNA ID:	ant 5	3.8 meters	aluminum	3.8
	3700.0000 - 4200.0000 MHz		36M0G7D	video
ANTENNA ID:	ant 6	3.8 meters	aluminum	3.8
	3700.0000 - 4200.0000 MHz		36M0G7D	video
ANTENNA ID:	ant 7	3.8 meters	dh	3.8
	3700.0000 - 4200.0000 MHz		36M0G7D	video
ANTENNA ID:	ant 8	3 meters	patriot	3.0
	3700.0000 - 4200.0000 MHz		36M0G7D	video
ANTENNA ID:	ant 9	3.8 meters	patriot	3.8
	3700.0000 - 4200.0000 MHz		36M0G7D	video

Points of Communication:

PLAINVIEW - PERMITTED LIST - ()

SES-REG-20181015-06038 E E200732 Ind. Co. Cable TV, 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: evening shade

LOCATION: 243 pierson rd evening shade, sharp, evening shade, AR
36 ° 3 ' 35.26 " N LAT.

91 ° 37 ' 35.26 " W LONG.

ANTENNA ID:	ant 1	3.8 meters	aluminum	3.8
	3700.0000 - 4200.0000 MHz		36M0G7D	video
ANTENNA ID:	ant 2	3.8 meters	aluminum	3.8
	3700.0000 - 4200.0000 MHz		36M0G7D	video
ANTENNA ID:	ant 3	3.8 meters	aluminum	3.8
	3700.0000 - 4200.0000 MHz		36M0G7D	video
ANTENNA ID:	ant 4	3.8 meters	aluminum	3.8
	3700.0000 - 4200.0000 MHz		36M0G7D	video
ANTENNA ID:	ant 5	4.8768 meters	fiberglass	4.8768
	3700.0000 - 4200.0000 MHz		36M0G7D	video

Points of Communication:

evening shade - PERMITTED LIST - ()

SES-REG-20181015-06044 E E200737 North Country Media, Inc.

Registration

10/15/2018 - 10/15/2033

Grant of Authority

Date Effective: 07/04/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: KCAJ Studio

LOCATION: 107 Center St West, Roseau, Roseau, MN
48 ° 50 ' 47.30 " N LAT.

95 ° 45 ' 48.80 " W LONG.

ANTENNA ID:	ANT1	3 meters	Winegard	3 meter
	3700.0000 - 4200.0000 MHz		36M0F8W	0.00 dBW
				Analog Audio
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				Digital Audio

Points of Communication:

KCAJ Studio - PERMITTED LIST - ()

SES-REG-20181015-06047 E E200740 The Montana Radio Company, LLC
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: Site 1

LOCATION: 2520 Airport Road, Lewis and Clark, Helena, MT
46 ° 36 ' 8.60 " N LAT.

111 ° 59 ' 44.30 " W LONG.

ANTENNA ID: ANT1 3.7 meters DawnCo D37F48-4PC-5.5
3700.0000 - 4200.0000 MHz 36M0G7W Digital Video

Points of Communication:

Site 1 - PERMITTED LIST - ()

SES-REG-20181015-06048 E E200741 KTBU Licensing, Inc.
Registration 10/15/2018 - 10/15/2033
Grant of Authority Date Effective: 07/04/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Site 1

LOCATION: 2945 Senior Road, Fort Bend, Missouri City, TX
29 ° 33 ' 46.00 " N LAT.

95 ° 30 ' 33.00 " W LONG.

ANTENNA ID: Ant 1 3.4 meters Prodelin TVRO-3.4F
3700.0000 - 4200.0000 MHz 36M0G7W Digital Video and Audio

ANTENNA ID: Ant 2 3.4 meters Prodelin TVRO-3.4F
3700.0000 - 4200.0000 MHz 36M0G7W Digital Video and Audio

Points of Communication:

Site 1 - PERMITTED LIST - ()

SES-REG-20181015-06072 E E200763 Birmingham (WABM-TV) Licensee, 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: WABM Site 2

LOCATION: 2021 Golden Crest Drive, Jefferson, Birmingham, AL
33 ° 29 ' 4.90 " N LAT. 86 ° 48 ' 26.50 " W LONG.

ANTENNA ID: 1 3.7 meters Prodelin PRO3.7
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Video and Data

Points of Communication:

WABM Site 2 - PERMITTED LIST - ()

SES-REG-20181015-06074 E E200765 Bicoastal Media Licenses II, LLC
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: Eureka Studios

LOCATION: 5640 South Broadway Street, Humboldt, Eureka, CA
40 ° 44 ' 32.06 " N LAT. 124 ° 12 ' 1.22 " W LONG.

ANTENNA ID: SES-11 3.7 meters Dawnco D37F48-4PC-5.5
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Audio

Points of Communication:

Eureka Studios - PERMITTED LIST - ()

SES-REG-20181015-06081 E E200772 price media corporation
Registration 10/15/2018 - 10/15/2033
Grant of Authority Date Effective: 07/06/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: KWBJ MC

LOCATION: 608 Michigan St, St Mary, Morgan City, LA
29 ° 41 ' 57.80 " N LAT. 91 ° 12 ' 18.90 " W LONG.

ANTENNA ID: 1 2.8 meters Scientific Atlanta 9000
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Analog and Digital Video services

ANTENNA ID: 2 3.7 meters Prodelin 1374
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Analog and Digital Video services

SES-REG-20181015-06104 E E200794 SOUND MANAGEMENT, LLC
Registration 10/15/2018 - 10/15/2033
Grant of Authority Date Effective: 07/02/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: WNDV Dish
LOCATION: 3371 Cleveland Rd Ste 300, St Joseph, South Bend, IN
41 ° 43 ' 39.00 " N LAT. 86 ° 17 ' 50.00 " W LONG.

ANTENNA ID: WNDV Dish 3.8 meters Comtech G2RC

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW

Points of Communication:

WNDV Dish - PERMITTED LIST - ()

SES-REG-20181015-06118 E E200808 Viking Electronics, Inc.
Registration 10/15/2018 - 10/15/2033
Grant of Authority Date Effective: 07/02/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: DVN Headend
LOCATION: 408 Tower Street, Walsh, Park River, ND
48 ° 24 ' 18.83 " N LAT. 97 ° 44 ' 12.52 " W LONG.

ANTENNA ID: 1 3.6 meters Patriot Antenna Systems 852
3720.0000 - 4180.0000 MHz 36M0G7W 0.00 dBW Digital Data, Video or Audio

ANTENNA ID: 2 4.5 meters Scietific Atlanta 8345
3720.0000 - 4180.0000 MHz 36M0G7W 0.00 dBW Digital Data, Video or Audio

ANTENNA ID: 3 4.5 meters Scietific Atlanta 8345
3720.0000 - 4180.0000 MHz 36M0G7W 0.00 dBW Digital Data, Video or Audio

ANTENNA ID: 4 4.6 meters Scietific Atlanta 8346
3720.0000 - 4180.0000 MHz 36M0G7W 0.00 dBW Digital Data, Video or Audio

ANTENNA ID: 5 4.6 meters Scietific Atlanta 8005
3720.0000 - 4180.0000 MHz 36M0G7W 0.00 dBW Digital Data, Video or Audio

ANTENNA ID: 6 4.6 meters Scietific Atlanta 8005

3720.0000 - 4180.0000 MHz	36M0G7W	0.00 dBW	Digital Data, Video or Audio
ANTENNA ID: 7	4.6 meters	Scientific Atlanta	8005
3720.0000 - 4180.0000 MHz	36M0G7W	0.00 dBW	Digital Data, Video or Audio
ANTENNA ID: 8	4.6 meters	Scientific Atlanta	8005
3720.0000 - 4180.0000 MHz	36M0G7W	0.00 dBW	Digital Data, Video or Audio

Points of Communication:

DVN Headend - PERMITTED LIST - ()

SES-REG-20181015-06119 E E200809 COMMUNITY ANTENNA SYSTEM INC
 Registration 10/15/2018 - 10/15/2033
 Grant of Authority Date Effective: 07/02/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: caz
 LOCATION: Cemetary Rd, Richland, Cazenovia, WI
 43 ° 31 ' 13.00 " N LAT. 90 ° 11 ' 44.30 " W LONG.

ANTENNA ID: C1	4.6 meters	DH	DH4.6
3720.0000 - 4180.0000 MHz	0	0.00 dBW	video
ANTENNA ID: C2	4.6 meters	DH	DH4.6
3720.0000 - 4180.0000 MHz	0	0.00 dBW	video
ANTENNA ID: C3	3.8 meters	DH	DH3.8
3720.0000 - 4180.0000 MHz	0	0.00 dBW	video
ANTENNA ID: C4	3.8 meters	DH	DH3.8
3720.0000 - 4180.0000 MHz	0	0.00 dBW	video

Points of Communication:

caz - PERMITTED LIST - ()

SES-REG-20181015-06120 E E200810 Sanpete County Broadcasting Co
 Registration 10/15/2018 - 10/15/2033
 Grant of Authority Date Effective: 07/02/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: KMTI Studios
LOCATION: 1600 W 500 N, Sanpete, Manti, UT
39 ° 16 ' 22.44 " N LAT. 111 ° 39 ' 28.80 " W LONG.

ANTENNA ID: 1 3.7 meters DH 37DH1
3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Analog Video with associated subcarriers
ANTENNA ID: 2 3 meters DH 30DH1
3700.0000 - 4200.0000 MHz 36M0F8F 0.00 dBW Modulation and Services Analog Video and Associated Subcarriers

Points of Communication:

KMTI Studios - PERMITTED LIST - ()

SES-REG-20181016-05444 E E200149 Commonwealth Public Broadcasting Corporation
Registration 10/16/2018 - 10/16/2033
Grant of Authority Date Effective: 07/04/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 300 Arboretum Place (Arboretum Site), Chesterfield, Richmond, VA
37 ° 30 ' 16.80 " N LAT. 77 ° 42 ' 13.00 " W LONG.

ANTENNA ID: 3.8M. 3.8 meters Comtech Unknown
3700.0000 - 4200.0000 MHz 36M0G7W DVB-S QPSK

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181016-05703 E E200392 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: 07/02/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: ANT 1
LOCATION: 11400 Austin Lane, Baldwin, Spanish Fort, AL
30 ° 41 ' 19.60 " N LAT.

ANTENNA ID: ANT 1 0 meters Unknown Unknown
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW

Points of Communication:

ANT 1 - PERMITTED LIST - ()

SES-REG-20181016-05858 E E200548 Alpha Media Licensee LLC
 Registration 10/15/2018 - 10/15/2033
 Grant of Authority Date Effective: 07/07/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
 LOCATION: 301 Arctic Slope Ave, Anchorage, Anchorage, AK
 61 ° 8 ' 47.29 " N LAT. 149 ° 52 ' 35.95 " W LONG.

ANTENNA ID: 1 3.7 meters Prodelin 1374
 3700.0000 - 4200.0000 MHz 36M0G7W Digital Data, Audio, or Video

SITE ID: 2
 LOCATION: 520 S. 4th Street, Jefferson, Louisville, KY
 38 ° 15 ' 1.80 " N LAT. 85 ° 45 ' 29.90 " W LONG.

ANTENNA ID: 2 3.1 meters Patriot PRT310
 3700.0000 - 4200.0000 MHz 36M0G7W Digital Data, Audio, or Video

SITE ID: 3
 LOCATION: 1205 Maryland Avenue, Washington, Hagerstown, MD
 39 ° 37 ' 10.80 " N LAT. 77 ° 44 ' 9.20 " W LONG.

ANTENNA ID: 3 3.1 meters unknown Unknown
 3700.0000 - 4200.0000 MHz 36M0G7W Digital Data, Audio, or Video

SITE ID: 4
 LOCATION: 3651 Pegasus Drive, Kern, Bakersfield, CA
 35 ° 26 ' 14.70 " N LAT. 119 ° 4 ' 16.60 " W LONG.

ANTENNA ID: 4 3.7 meters Prodelin PXT662X3RP
 3700.0000 - 4200.0000 MHz 36M0G7W Digital Data, Audio, or Video

SITE ID: 5
 LOCATION: 3250 Belvidere Road, Lake, Waukegan, IL
 42 ° 20 ' 57.10 " N LAT. 87 ° 52 ' 52.70 " W LONG.

ANTENNA ID: 5 3.8 meters Patriot PRT-10
 3700.0000 - 4200.0000 MHz 36M0G7W Digital Data, Audio, or Video

SITE ID: 6
 LOCATION: 8500 Green Bay Road, Kenosha, Pleasant Prairie, WI
 42 ° 33 ' 9.00 " N LAT. 87 ° 53 ' 33.50 " W LONG.

SITE ID: 13
 LOCATION: 367 Rte 66, Pulaski, St. Robert, MO
 37 ° 49 ' 11.30 " N LAT. 92 ° 9 ' 5.30 " W LONG.

ANTENNA ID: 13 3.8 meters Comtech 380
 3700.0000 - 4200.0000 MHz 36M0G7W Digital Data, Audio, or Video

SITE ID: 14
 LOCATION: 550 Market Avenue South, Stark, Canton, OH
 40 ° 47 ' 43.00 " N LAT. 81 ° 22 ' 33.00 " W LONG.

ANTENNA ID: 14 3.8 meters Comtech 3.8M
 3700.0000 - 4200.0000 MHz 36M0G7W Digital Data, Audio, or Video

SITE ID: 15
 LOCATION: 3505 Olsen Blvd, Randall, Amarillo, TX
 35 ° 11 ' 1.40 " N LAT. 101 ° 52 ' 42.80 " W LONG.

ANTENNA ID: 15 3.7 meters DH 37DH1
 3700.0000 - 4200.0000 MHz 36M0G7W Digital Data, Audio, or Video

SITE ID: 16
 LOCATION: 607 E. Platte-Clay Way, DeKalb, Cameron, MO
 39 ° 45 ' 35.50 " N LAT. 94 ° 13 ' 55.10 " W LONG.

ANTENNA ID: 16 3.8 meters Comtech 3.8M
 3700.0000 - 4200.0000 MHz 36M0G7W Digital Data, Audio, or Video

SITE ID: 17
 LOCATION: 18553 Gentry Road, Laclede, Lebanon, MO
 37 ° 41 ' 7.10 " N LAT. 92 ° 41 ' 36.50 " W LONG.

ANTENNA ID: 17 3.3 meters Unknown 3.3
 3700.0000 - 4200.0000 MHz 36M0G7W Digital Data, Audio, or Video

SITE ID: 18
 LOCATION: 57 Court Street, Jefferson, Fairfield, IA
 41 ° 0 ' 24.90 " N LAT. 91 ° 57 ' 44.20 " W LONG.

ANTENNA ID: 18 3.8 meters Comtech 3.8M
 3700.0000 - 4200.0000 MHz 36M0G7W Digital Data, Audio, or Video

SITE ID: 19
 LOCATION: 9471 Three Rivers Road Suite A, Harrison, Gulfport, MS
 30 ° 25 ' 30.00 " N LAT. 89 ° 5 ' 19.70 " W LONG.

SITE ID: 26
 LOCATION: 1801 N. 13th Avenue, Jasper, Newton, IA
 41 ° 42 ' 41.30 " N LAT. 93 ° 1 ' 47.70 " W LONG.

ANTENNA ID: 26 3.7 meters Prodelin 1374-995
 3700.0000 - 4200.0000 MHz 36M0G7W Digital Data, Audio, or Video

SITE ID: 27
 LOCATION: 210 S. Broadway Avenue, Smith, Tyler, TX
 32 ° 20 ' 57.40 " N LAT. 95 ° 18 ' 0.27 " W LONG.

ANTENNA ID: 27 3.7 meters Unknown Unknown
 3700.0000 - 4200.0000 MHz 36M0G7W Digital Data, Audio, or Video

SITE ID: 28
 LOCATION: 300 W. Reed Street, Randolph, Moberly, MO
 39 ° 25 ' 10.00 " N LAT. 92 ° 26 ' 22.00 " W LONG.

ANTENNA ID: 28 3.7 meters DH Satellite 37DH448A
 3700.0000 - 4200.0000 MHz 36M0G7W Digital Data, Audio, or Video

SITE ID: 29
 LOCATION: 1800 Teague Drive Suite 300, Grayson, Sherman, TX
 33 ° 39 ' 24.00 " N LAT. 96 ° 36 ' 1.10 " W LONG.

ANTENNA ID: 29 3.2 meters Unknown Unknown
 3700.0000 - 4200.0000 MHz 36M0G7W Digital Data, Audio, or Video

SITE ID: 30
 LOCATION: 1700 Redbud Blvd Suite 185, Collin, McKinney, TX
 33 ° 12 ' 50.20 " N LAT. 96 ° 37 ' 58.40 " W LONG.

ANTENNA ID: 30 3.2 meters Unknown Unknown
 3700.0000 - 4200.0000 MHz 36M0G7W Digital Data, Audio, or Video

SITE ID: 31
 LOCATION: 1321 N. Gene Autry Trail, Riverside, Palm Springs, CA
 33 ° 50 ' 26.40 " N LAT. 116 ° 30 ' 26.60 " W LONG.

ANTENNA ID: 31 3.8 meters Patriot PRT-380
 3700.0000 - 4200.0000 MHz 36M0G7W Digital Data, Audio, or Video

SITE ID: 32
 LOCATION: 33 Briercroft Office Building, Lubbock, Lubbock, TX
 33 ° 32 ' 32.80 " N LAT. 101 ° 51 ' 1.90 " W LONG.

SITE ID: 39
LOCATION: 208 N. Thomas Drive, Bossier, Shreveport, LA
32 ° 32 ' 13.70 " N LAT. 93 ° 45 ' 43.70 " W LONG.

ANTENNA ID: 39 3.8 meters Comtech CTH934D0015G2
3700.0000 - 4200.0000 MHz 36M0G7W Digital Data, Audio, or Video

SITE ID: 40
LOCATION: 1210 SW Executive Drive, Shawnee, Topeka, KS
39 ° 2 ' 39.20 " N LAT. 95 ° 46 ' 4.70 " W LONG.

ANTENNA ID: 40 4.5 meters Andrew 4.5
3700.0000 - 4200.0000 MHz 36M0G7W Digital Data, Audio, or Video

SITE ID: 41
LOCATION: 1124 N Miller Street, Chelan, Wenatchee, WA
47 ° 26 ' 15.60 " N LAT. 120 ° 19 ' 31.60 " W LONG.

ANTENNA ID: 41 3.8 meters Comtech 3.8M
3700.0000 - 4200.0000 MHz 36M0G7W Digital Data, Audio, or Video

SITE ID: 42
LOCATION: 2722 S. Redwood Road, Salt Lake, Salt Lake City, UT
40 ° 42 ' 43.10 " N LAT. 111 ° 56 ' 21.70 " W LONG.

ANTENNA ID: 42 3.8 meters Patriot PRT-380
3700.0000 - 4200.0000 MHz 36M0F7W 0.00 dBW Digital audio, data, telemetry

Points of Communication:

- 1 - PERMITTED LIST - ()
- 10 - PERMITTED LIST - ()
- 12 - PERMITTED LIST - ()
- 13 - PERMITTED LIST - ()
- 14 - PERMITTED LIST - ()
- 15 - PERMITTED LIST - ()
- 16 - PERMITTED LIST - ()
- 17 - PERMITTED LIST - ()
- 19 - PERMITTED LIST - ()
- 2 - PERMITTED LIST - ()
- 21 - PERMITTED LIST - ()

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- 22 - PERMITTED LIST - ()
 - 23 - PERMITTED LIST - ()
 - 24 - PERMITTED LIST - ()
 - 25 - PERMITTED LIST - ()
 - 26 - PERMITTED LIST - ()
 - 27 - PERMITTED LIST - ()
 - 28 - PERMITTED LIST - ()
 - 29 - PERMITTED LIST - ()
 - 3 - PERMITTED LIST - ()
 - 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 - ()
 - 5 - PERMITTED LIST - ()
 - 7 - PERMITTED LIST - ()
 - 8 - PERMITTED LIST - ()
 - 9 - PERMITTED LIST - ()

SES-REG-20181016-06114 E E200804 KJMM, Inc.

Registration

10/15/2018 - 10/15/2033

Grant of Authority

Date Effective: 07/02/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: KJMM Studio

LOCATION: 7030 S. Yale Suite 302, Tulsa, Tulsa, OK

36 ° 3 ' 42.46 " N LAT.

95 ° 55 ' 25.34 " W LONG.

ANTENNA ID:	ANT1	3 meters	Prime Focus	3 meter	
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW	Digital Audio
	3700.0000 - 4200.0000 MHz		36M0F8W	0.00 dBW	Analog Audio

Points of Communication:

KJMM Studio - PERMITTED LIST - ()

SES-REG-20181016-06116	E	E200806	Perry Broadcasting of Apache, Inc.	10/15/2018 - 10/15/2033
Registration				Date Effective: 07/02/2020
Grant of Authority				

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: KACO Studio

LOCATION: 115 W. Broadway, Caddo, Anadarko, OK

35 ° 4 ' 31.00 " N LAT.

98 ° 14 ' 40.20 " W LONG.

ANTENNA ID:	ANT1	2.43 meters	Sat Pro	2.43 meter	
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW	Digital Audio
	3700.0000 - 4200.0000 MHz		36M0F8W	0.00 dBW	Analog Audio

Points of Communication:

KACO Studio - PERMITTED LIST - ()

SES-REG-20181016-06164	E	E200852	City of Ketchikan	10/16/2018 - 10/16/2033
Registration				Date Effective: 07/07/2020
Grant of Authority				

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: KPU IPTV Station

LOCATION: 2970 Tongass Ave, Ketchikan Gateway, Ketchikan, AK

55 ° 21 ' 10.61 " N LAT.

131 ° 41 ' 2.05 " W LONG.

ANTENNA ID:	SA-10M	10 meters	Scientific-Atlanta	Prime Focus
	3700.0000 - 4200.0000 MHz		36M0G7W	digirtal

Points of Communication:

KPU IPTV Station - PERMITTED LIST - ()

SES-REG-20181016-06186 E E200874 GAINES COUNTY BROADCASTING, LTD.
Registration 10/16/2018 - 10/16/2033
Grant of Authority Date Effective: 07/06/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 105 NW 11th Street, Gaines, Seminole, TX
32 ° 43 ' 9.31 " N LAT. 102 ° 39 ' 25.33 " W LONG.

ANTENNA ID: 1 4.5 meters Dawnco D37F48
3700.0000 - 4200.0000 MHz 0.00 dBW

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181016-06215 E E200902 Standard Tobacco Company, Inc.
Registration 10/16/2018 - 10/16/2033
Grant of Authority Date Effective: 07/02/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Maysville Head End
LOCATION: US 68 and Moody Drive, Mason, Maysville, KY
38 ° 38 ' 35.00 " N LAT. 83 ° 46 ' 44.00 " W LONG.

ANTENNA ID: Maysville7 4.1 meters Patriot Not Known
3700.0000 - 4200.0000 MHz 6M00C7W 0.00 dBW

SITE ID: Maysville Head End
LOCATION: US 62 & Moody Drive, Mason, Maysville, KY
38 ° 38 ' 34.00 " N LAT. 83 ° 46 ' 47.00 " W LONG.

ANTENNA ID: Maysville6 3.7 meters General Dynamics Not Known
3700.0000 - 4200.0000 MHz 6M00C7W 0.00 dBW

SITE ID: Maysville Head End
LOCATION: US 62 & Moody Drive, Mason, Maysville, KY
38 ° 38 ' 34.00 " N LAT. 83 ° 46 ' 45.00 " W LONG.

ANTENNA ID: Maysville5 3.1 meters Patriot Not Known

3700.0000 - 4200.0000 MHz	6M00C7W	0.00 dBW		
SITE ID:	Maysville Head End			
LOCATION:	US 62 & Moody Drive, Mason, Maysville, KY			
	38 ° 38 ' 34.00 " N LAT.			83 ° 46 ' 46.00 " W LONG.
ANTENNA ID:	Maysville4	3.7 meters	General Dynamics	Not Known
3700.0000 - 4200.0000 MHz	6M00C7W	0.00 dBW		
SITE ID:	Maysville Head End			
LOCATION:	US 62 and Moody Drive, Mason, Maysville, KY			
	38 ° 38 ' 38.00 " N LAT.			83 ° 46 ' 46.00 " W LONG.
ANTENNA ID:	Maysville8	4.8 meters	Patriot	Not Known
3700.0000 - 4200.0000 MHz	6M00C7W	0.00 dBW		
SITE ID:	Maysville Head End			
LOCATION:	US 62 & Moody Drive, Mason, Maysville, KY			
	38 ° 38 ' 33.00 " N LAT.			83 ° 46 ' 48.00 " W LONG.
ANTENNA ID:	Maysville2	3.1 meters	Patriot	Not Known
3700.0000 - 4200.0000 MHz	6M00C7W	0.00 dBW		
SITE ID:	Maysville Head End			
LOCATION:	US 62 & Moody Drive, Mason, Maysville, KY			
	38 ° 38 ' 35.00 " N LAT.			83 ° 46 ' 45.00 " W LONG.
ANTENNA ID:	Maysville1	3.8 meters	Patriot	Not Known
3700.0000 - 4200.0000 MHz	6M00C7W	0.00 dBW		
SITE ID:	Maysville Head End			
LOCATION:	US 62 & Moody Drive, Mason, Maysville, KY			
	38 ° 38 ' 34.00 " N LAT.			83 ° 46 ' 46.00 " W LONG.
ANTENNA ID:	Maysville3	3.1 meters	Patriot	Not Known
3700.0000 - 4200.0000 MHz	6M00C7W	0.00 dBW		

Points of Communication:

- Maysville Head End - AMC 7(S2155) - (135 W.L.)
- Maysville Head End - AMC-1(S2445) - (130.90)
- Maysville Head End - AMC-11(S2433) - (131 W.L.)
- Maysville Head End - GALAXY 13 (S2386) - (127 W.L.)
- Maysville Head End - GALAXY 14 (S2385) - (125 W.L.)

SITE ID: SMB
LOCATION: 3355 Hiawath ave, Hennepin, Minneapolis, MN
44 ° 56 ' 29.82 " N LAT. 93 ° 13 ' 58.75 " W LONG.

ANTENNA ID: smb 3 meters Channel Master na
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:

SMB - PERMITTED LIST - ()

SES-REG-20181016-06280 E E200949 V.L.N. Broadcasting, Inc
Registration 10/16/2018 - 10/16/2033
Grant of Authority Date Effective: 07/07/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Olney
LOCATION: 4667 Radio Tower Lane, Richland, Olney, IL
38 ° 42 ' 1.00 " N LAT. 88 ° 4 ' 53.00 " W LONG.

ANTENNA ID: 1 3.8 meters Comtech 3.8 Meter EL AZ
3700.0000 - 4200.0000 MHz 36M0G7W Digital audio and video for distribution on radio stations

SITE ID: Newton
LOCATION: 103 Museum Dr., Jasper, Newton, IL
38 ° 59 ' 23.00 " N LAT. 88 ° 11 ' 18.00 " W LONG.

ANTENNA ID: 1 3.8 meters Comtech 3.8 Meter EL AZ
3700.0000 - 4200.0000 MHz 36M0G7W Audio and video for distribution on radio stations

Points of Communication:

Newton - PERMITTED LIST - ()

Olney - PERMITTED LIST - ()

SES-REG-20181016-06291 E E200958 Three Sisters Broadcasting, LLC
Registration 10/16/2018 - 10/16/2033
Grant of Authority Date Effective: 07/07/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: WTSN Transmitter
LOCATION: 1177 West New Hope Road, Vanderburgh, Evansville, IN
37 ° 59 ' 11.20 " N LAT. 87 ° 16 ' 11.50 " W LONG.

ANTENNA ID: WTSN Xmit 5.2 meters Simulsat 5B
3700.0000 - 4200.0000 MHz 36M0G7W QPSK 8PSK Digital

Points of Communication:

WTSN Transmitter - PERMITTED LIST - ()

SES-REG-20181016-06313 E E200978 ROXBORO BROADCASTING COMPANY
Registration 10/16/2018 - 10/16/2033
Grant of Authority Date Effective: 07/07/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Site1
LOCATION: 2070 Hurdle Mills Road, Person, Roxboro, NC
36 ° 21 ' 58.00 " N LAT. 78 ° 59 ' 46.00 " W LONG.

ANTENNA ID: Mesh1 3 meters Channel Master unknown
3700.0000 - 4200.0000 MHz 36M0G7W Digital Video and Audio signals

Points of Communication:

Site1 - PERMITTED LIST - ()

SES-REG-20181016-06338 E E201001 PARISH COMMUNICATIONS
Registration 10/16/2018 - 10/16/2033
Grant of Authority Date Effective: 07/07/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Hope
LOCATION: 1484 E Shaffer Rd, Midland, Hope, MI
43 ° 45 ' 22.71 " N LAT. 84 ° 18 ' 32.96 " W LONG.

ANTENNA ID: Hope 3.7 meters Prodelin 1374
3700.0000 - 4200.0000 MHz Hope 0.00 dBW Video

Points of Communication:

Hope - PERMITTED LIST - ()

SES-REG-20181016-06355 E E201015 WSUA Broadcasting Corporation
Registration 10/16/2018 - 10/16/2033
Grant of Authority Date Effective: 07/07/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: CBI MIA-COL
LOCATION: 2100 Coral Way ste 200, Dade, Miami, FL
25 ° 45 ' 1.00 " N LAT. 80 ° 13 ' 44.00 " W LONG.

ANTENNA ID: CBI MIA-CO 4.6 meters ANDREW ES46P-1
3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Modulation and Services AUDIO

Points of Communication:

CBI MIA-COL - PERMITTED LIST - ()

SES-REG-20181016-06357 E E201017 Hagerstown Broadcasting Company
Registration 10/16/2018 - 10/16/2033
Grant of Authority Date Effective: 07/04/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1135 Haven Road
LOCATION: 1135 Haven Road, Washington, Hagerstown, MD
39 ° 40 ' 4.30 " N LAT. 77 ° 43 ' 31.92 " W LONG.

ANTENNA ID: ant2.8 2.8 meters Scientific-Atlanta 9000
3700.0000 - 4200.0000 MHz 36M0G7W digital

Points of Communication:

1135 Haven Road - PERMITTED LIST - ()

SES-REG-20181016-06384 E E201034 Commonwealth Public Broadcasting Corporation
Registration 10/16/2018 - 10/16/2033
Grant of Authority Date Effective: 07/06/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Sesame Street Site
LOCATION: 23 Sesame Street, Chesterfield, Richmond, VA
37 ° 30 ' 45.50 " N LAT. 77 ° 36 ' 5.00 " W LONG.

ANTENNA ID: 3.8M 3.8 meters Comtech Unknown

3700.0000 - 4200.0000 MHz

36M0G7W

DVB-S QPSK

Points of Communication:

Sesame Street Site - PERMITTED LIST - ()

SES-REG-20181016-06385 E E201035 PARISH COMMUNICATIONS

Registration

10/16/2018 - 10/16/2033

Grant of Authority

Date Effective: 07/04/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Linwood

LOCATION: 1804 E Anderson Rd, Bay, Linwood, MI

43 ° 45 ' 4.46 " N LAT.

83 ° 58 ' 29.94 " W LONG.

ANTENNA ID: Linwood 3.7 meters Prodelin 1374

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW digital video

Points of Communication:

Linwood - PERMITTED LIST - ()

SES-REG-20181016-06415 E E201059 Magnum Broadcasting, Inc.

Registration

10/16/2018 - 10/16/2033

Grant of Authority

Date Effective: 07/04/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Site 1

LOCATION: 315 S. Atherton St., Centre, State College, PA

40 ° 47 ' 22.00 " N LAT.

77 ° 51 ' 41.00 " W LONG.

ANTENNA ID: ANT1 2.74 meters Comsat RS1

3700.0000 - 4200.0000 MHz 36M0G7W

Points of Communication:

Site 1 - PERMITTED LIST - ()

SES-REG-20181016-06426 E E201068 Consolidated Cable Vision, Inc.

Registration

10/16/2018 - 10/16/2033

Grant of Authority

Date Effective: 07/07/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
 LOCATION: 2181 4th Avenue East, Stark, Dickinson, ND
 46 ° 54 ' 19.50 " N LAT. 102 ° 46 ' 51.40 " W LONG.

ANTENNA ID:	C-37M-9	3.7 meters	Prodelin	1374
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				Video Carrier
ANTENNA ID:	C-37M-1	3.7 meters	Prodelin	1374
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				Video Carrier
ANTENNA ID:	C-37M-10	3.7 meters	Prodelin	1374
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				Video Carrier
ANTENNA ID:	C-24M-2	2.4 meters	Prodelin	1374
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				Video Carrier
ANTENNA ID:	C-37M-3	3.7 meters	Prodelin	1374
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				Video Carrier
ANTENNA ID:	C-37M-7	3.7 meters	Prodelin	1374
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				Video Carrier
ANTENNA ID:	C-37M-5	3.7 meters	Prodelin	1374
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				Video Carrier
ANTENNA ID:	C-37M-6	3.7 meters	Prodelin	1374
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				Video Carrier
ANTENNA ID:	C-38M-4	3.8 meters	Patriot	PRT-380
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				Video Carrier
ANTENNA ID:	C-37M-8	3.7 meters	Prodelin	1374
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				Video Carrier
ANTENNA ID:	C-96M-11	9.6 meters	Simulsat	5B
	3700.0000 - 4200.0000 MHz		36M0G7W	
				Video Carrier

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181016-06457 E E201100 AT&T Sports Net Rocky Mountain, LLC
Registration 10/16/2018 - 10/16/2033
Grant of Authority Date Effective: 07/04/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 1201 San Jacinto St., Suite 200 (ATTSN SW), Houston, TX
29 ° 45 ' 13.00 " N LAT. 95 ° 21 ' 52.00 " W LONG.

ANTENNA ID: ATTSN SW 1 2.4 meters DH Satellite Gemini
3700.0000 - 4200.0000 MHz 36M0G7W Video

ANTENNA ID: ATTSN SW 2 2.7 meters DH Satellite Gemini
3700.0000 - 4200.0000 MHz 36M0G7W Video

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181016-06461 E E201104 AT&T Sports Net Rocky Mountain, LLC
Registration 10/16/2018 - 10/16/2033
Grant of Authority Date Effective: 07/04/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 3626 156th Ave SE (RSNW), Bellevue, WA
47 ° 34 ' 36.00 " N LAT. 122 ° 7 ' 52.00 " W LONG.

ANTENNA ID: RSNW 1 4.5 meters Andrew Unknown
3700.0000 - 4200.0000 MHz 36M0G7W Video

ANTENNA ID: RSNW 2 3.6 meters Andrew Unknown
3700.0000 - 4200.0000 MHz 36M0G7W Video

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181016-06473 E E201116 AT&T Sports Net Rocky Mountain, LLC
Registration 10/16/2018 - 10/16/2033
Grant of Authority Date Effective: 07/04/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 2399 Blake Street, Suite 130 (ATTSN RM), Denver, CO
39 ° 45 ' 29.50 " N LAT. 104 ° 59 ' 22.40 " W LONG.

ANTENNA ID: SNRM 1-2 4.5 meters Unknown Unknown
3700.0000 - 4200.0000 MHz 36M0G7W Video

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181016-06486 E E201129 DIRECTV Enterprises, 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: MSSNKSFR
LOCATION: 5400 Foxridge Dr., Mission, KS
39 ° 1 ' 8.00 " N LAT. 94 ° 40 ' 1.00 " W LONG.

ANTENNA ID: MSSNK 1-25 4.5 meters ViaSat Superior 8345
3700.0000 - 4200.0000 MHz 36M0G7W Video

Points of Communication:

MSSNKSFR - PERMITTED LIST - ()

SES-REG-20181016-06489 E E201132 Delcambre Telephone Company, L.L.C.
Registration 10/16/2018 - 10/16/2033
Grant of Authority Date Effective: 07/07/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Delcambre Headend 1
LOCATION: 304 Sam Drive, Vermilion, Delcambre, LA
29 ° 56 ' 40.54 " N LAT. 91 ° 59 ' 55.41 " W LONG.

ANTENNA ID: Antenna 1 4.5 meters Patriot Prime Focus
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Video Carrier

SITE ID: Delcambre Headend 2
LOCATION: 304 Sam Drive, Vermilion, Delcambre, LA
29 ° 56 ' 40.68 " N LAT. 91 ° 59 ' 55.18 " W LONG.

ANTENNA ID: Antenna 2 3.8 meters Patriot Prime Focus
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Video Carrier

SITE ID: Delcambre Headend 3
LOCATION: 304 Sam Drive, Vermilion, Delcambre, LA
29 ° 56 ' 40.68 " N LAT. 91 ° 59 ' 54.98 " W LONG.

ANTENNA ID: Antenna 3 3.8 meters Patriot Prime Focus
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Video Carrier

SITE ID: Delcambre Headend 5
LOCATION: 304 Sam Drive, Vermilion, Delcambre, LA
29 ° 46 ' 40.71 " N LAT. 91 ° 59 ' 54.45 " W LONG.

ANTENNA ID: Antenna 5 3.8 meters Patriot Prime Focus
3700.0000 - 4200.0000 MHz 36M0G7W Video Carrier

SITE ID: Delcambre Headend 6
LOCATION: 304 Sam Drive, Vermilion, Delcambre, LA
29 ° 56 ' 40.73 " N LAT. 91 ° 59 ' 54.21 " W LONG.

ANTENNA ID: Antenna 6 3.8 meters Patriot Prime Focus
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Video Carrier

SITE ID: Delcambre Headend 4
LOCATION: 304 Sam Drive, Vermilion, Delcambre, LA
29 ° 56 ' 40.71 " N LAT. 91 ° 59 ' 54.71 " W LONG.

ANTENNA ID: Antenna 4 3.8 meters Patriot Prime Focus
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Video Carrier

Points of Communication:

Delcambre Headend 1 - PERMITTED LIST - ()

Delcambre Headend 2 - PERMITTED LIST - ()

Delcambre Headend 3 - PERMITTED LIST - ()

Delcambre Headend 4 - PERMITTED LIST - ()

Delcambre Headend 5 - PERMITTED LIST - ()

Delcambre Headend 6 - PERMITTED LIST - ()

SES-REG-20181016-06490 E E201133 AlwaysMountainTime, LLC
Registration 10/16/2018 - 10/16/2033
Grant of Authority Date Effective: 07/07/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Avon Crossing
LOCATION: 182 Avon Rd STE 240, Eagle, Avon, CO
39 ° 37 ' 58.55 " N LAT. 106 ° 31 ' 15.96 " W LONG.

ANTENNA ID: ANT1 3.8 meters Comtech 829165-G1
3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Analog Video with associated subcarriers

Points of Communication:

Avon Crossing - PERMITTED LIST - ()

SES-REG-20181016-06498 E E201141 Dowdy & Dowdy Partnership
Registration 10/16/2018 - 10/16/2033
Grant of Authority Date Effective: 07/07/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Tupelo
LOCATION: 2216 S Gloster St, Lee, Tupelo, MS
34 ° 12 ' 48.10 " N LAT. 88 ° 43 ' 13.70 " W LONG.

ANTENNA ID: 1 4.5 meters Patriot PRT-450
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital video, audio and data

Points of Communication:

Tupelo - PERMITTED LIST - ()

SES-REG-20181016-06501 E E201144 Catholic Radio Network, Inc.
Registration 10/16/2018 - 10/16/2033
Grant of Authority Date Effective: 07/07/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: KEXS Xmit Site
LOCATION: 201 N. Industrial Park Road, Clay, Excelsior Springs, MO
39 ° 20 ' 28.40 " N LAT. 94 ° 14 ' 27.20 " W LONG.

ANTENNA ID: ANT1 3.7 meters Prodelin 1374-995

3700.0000 - 4200.0000 MHz

36M0G7W

Digital and Analog Video with
associated audio subcarriers

Points of Communication:

KEXS Xmit Site - PERMITTED LIST - ()

SES-REG-20181016-06504 E E201147 Withers Broadcasting of Southern Illinois, LLC
Registration 10/16/2018 - 10/16/2033
Grant of Authority Date Effective: 07/07/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: WDDD Studio

LOCATION: 1822 North Court Street, Williamson, Marion, IL

37 ° 45 ' 14.15 " N LAT.

88 ° 56 ' 0.40 " W LONG.

ANTENNA ID: ANT1 3.7 meters Channel Master 12

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW QPSK modulation, digital audio and
video data

Points of Communication:

WDDD Studio - PERMITTED LIST - ()

SES-REG-20181016-06510 E E201152 San Juan Cable, Inc.
Registration 10/16/2018 - 10/16/2033
Grant of Authority Date Effective: 07/07/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Lummi Indian Reserva

LOCATION: 2564 Mackenzie Rd, whatcom, Bellingham, WA

48 ° 44 ' 7.40 " N LAT.

122 ° 39 ' 59.50 " W LONG.

ANTENNA ID: LummiReser 4.5 meters American Antennas TVRO 4.5

3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Digital Video

Points of Communication:

Lummi Indian Reserva - PERMITTED LIST - ()

SES-REG-20181016-06511 E E201153 NRJ TV HAWAII LICENSE CO, LLC
Registration 10/16/2018 - 10/16/2033
Grant of Authority Date Effective: 07/07/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: KIKU Studio
LOCATION: 737 Bishop St Ste 1430, Honolulu, Honolulu, HI
21 ° 18 ' 25.00 " N LAT. 157 ° 51 ' 44.90 " W LONG.

ANTENNA ID: 1 3.8 meters Patriot 3.8 M-PF
3700.0000 - 4200.0000 MHz 36M0G7W QPSK or 8PSK

Points of Communication:

KIKU Studio - PERMITTED LIST - ()

SES-REG-20181016-06518 E E201159 Nedved Media, LLC
Registration 10/16/2018 - 10/16/2033
Grant of Authority Date Effective: 07/07/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Nedved Mitchell
LOCATION: 400 N Rowley St, Davison, Mitchell, SD
43 ° 42 ' 46.27 " N LAT. 98 ° 1 ' 35.45 " W LONG.

ANTENNA ID: DISH1 4.2 meters DH Products 42DH1
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Multiplexed digital audio services

Points of Communication:

Nedved Mitchell - PERMITTED LIST - ()

SES-REG-20181017-04819 E E191190 Davis Broadcasting Inc of Columbus
Registration 07/30/2018 - 07/30/2033
Grant of Authority Date Effective: 07/07/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Main Studio
LOCATION: 2203-Wynnnton Rd, Muscogee, Columbus, GA
32 ° 28 ' 13.10 " N LAT. 84 ° 57 ' 35.90 " W LONG.

ANTENNA ID: 3.7M 3.7 meters na na
3700.0000 - 4200.0000 MHz 0 0.00 dBW audio

Points of Communication:

Main Studio - AMC-15 (S2180) - (105.0 W.L.)

Main Studio - AMC-18 (S2713) - (139 WL)

1 - PERMITTED LIST - ()

SES-REG-20181017-05997 E E200690 Wagon Wheel Broadcasting, LLC
Registration 10/11/2018 - 10/11/2033
Grant of Authority Date Effective: 07/07/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 95.3 WIKI Studios
LOCATION: 220 Clifty Drive Suite O, Jefferson, Madison, IN
38 ° 46 ' 35.60 " N LAT. 85 ° 23 ' 26.80 " W LONG.

ANTENNA ID: Network 3 meters Unknown 10 foot parabolic
3700.0000 - 4200.0000 MHz 36M0G7W
Modulation and Services Network audio for commercial radio programming. QPSK modulation, digital audio and video data.

Points of Communication:

95.3 WIKI Studios - PERMITTED LIST - ()

SES-REG-20181017-06031 E E200725 Wide Open West Ohio, LLC
Registration 10/15/2018 - 10/15/2033
Grant of Authority Date Effective: 07/07/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 2320 Westbelt Drive, Franklin, Columbus, OH
40 ° 0 ' 0.10 " N LAT. 83 ° 7 ' 12.00 " W LONG.

ANTENNA ID: SAT1 4.5 meters Scientific Atlanta 4.5

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181017-06112 E E200802 Knology of Florida, LLC
Registration 10/15/2018 - 10/15/2033
Grant of Authority Date Effective: 07/07/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Knology of FL
LOCATION: 13200 Panama City Beach Parkway, Bay, Panama City, FL
30 ° 12 ' 24.82 " N LAT. 85 ° 50 ' 29.86 " W LONG.

ANTENNA ID:	Sat1	4.5 meters	Scientific Atlanta	4.5
	3700.0000 - 4200.0000 MHz		36MOG7W	digital signals
ANTENNA ID:	Sat2	3.8 meters	unknown	3.8
	3700.0000 - 4200.0000 MHz		36MOG7W	digital signals

Points of Communication:

Knology of FL - PERMITTED LIST - ()

SES-REG-20181017-06115	E	E200805	Knology of Florida, Inc.	10/15/2018 - 10/15/2033
Registration				Date Effective: 07/07/2020
Grant of Authority				

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Knology of FL Pin
 LOCATION: 12880B 34th Street North, Pinellas, Clearwater, FL
 27 ° 53 ' 19.75 " N LAT. 82 ° 40 ' 53.45 " W LONG.

ANTENNA ID:	SAT1	4.5 meters	Scientific Atlanta	4.5
	3700.0000 - 4200.0000 MHz		36M0G7W	digital signals
ANTENNA ID:	Sat2	5 meters	Acti	simulsat 5
	3700.0000 - 4200.0000 MHz		36M0G7W	digital signals

Points of Communication:

Knology of FL Pin - PERMITTED LIST - ()

SES-REG-20181017-06121	E	E200811	HTC Communications Co.	10/15/2018 - 10/15/2033
Registration				Date Effective: 07/07/2020
Grant of Authority				

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Site1
 LOCATION: 1100 S. Market St, Monroe, Waterloo, IL
 38 ° 18 ' 54.51 " N LAT. 90 ° 8 ' 37.34 " W LONG.

ANTENNA ID:	1	4.5 meters	Patriot	4.5M Patriot
	3700.0000 - 4200.0000 MHz		36M0F8F	Analog/Digital video and subcarriers
ANTENNA ID:	2	4.5 meters	Patriot	4.5M Patriot

3700.0000 - 4200.0000 MHz	36M0F8F	Analog/Digital video and subcarriers
ANTENNA ID: 3	3.7 meters Patriot	3.7m
3700.0000 - 4200.0000 MHz	36M0F8F	Analog/Digital video and subcarriers
ANTENNA ID: 4	3.7 meters Patriot	3.7m
3700.0000 - 4200.0000 MHz	36M0F8F	Analog/Digital video and subcarriers
ANTENNA ID: 5	3.7 meters Patriot	3.7m
3700.0000 - 4200.0000 MHz	36M0F8F	Analog/Digital video and subcarriers

Points of Communication:

Site1 - PERMITTED LIST - ()

SES-REG-20181017-06491	E E201134	E. Ritter Communications Holdings, LLC	
Registration			10/16/2018 - 10/16/2033
Grant of Authority			Date Effective: 07/07/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Marked Tree headend
 LOCATION: 109 Henderson, Poinsett, Marked Tree, AR
 35 ° 31 ' 46.79 " N LAT. 90 ° 25 ' 40.95 " W LONG.

ANTENNA ID: Ant9	4.5 meters Patriot	PRT-450
3700.0000 - 4200.0000 MHz	36M0G7W	MPEG2 and MPEG4 digital audio and video services
ANTENNA ID: Ant1	5 meters Scientific Atlanta	8008
3700.0000 - 4200.0000 MHz	36M0G7W	MPEG2 and MPEG4 digital audio and video services
ANTENNA ID: Ant2-5	3.8 meters Patriot	PRT-380
3700.0000 - 4200.0000 MHz	36M0G7W	MPEG2 and MPEG4 digital audio and video services
ANTENNA ID: Ant6-8	3 meters Patriot	PRT-310
3700.0000 - 4200.0000 MHz	36M0G7W	MPEG2 and MPEG4 digital audio and video services
ANTENNA ID: Ant10-12	3.7 meters Viking	8345
3700.0000 - 4200.0000 MHz	36M0G7W	MPEG2 and MPEG4 digital audio and video services

Nature of Service: Fixed Satellite Service

SITE ID: WSGC Satellite Dish

LOCATION: 562 Jones Street, Elbert, Elberton, GA

34 ° 6 ' 49.25 " N LAT.

82 ° 52 ' 50.52 " 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:

WSGC Satellite Dish - PERMITTED LIST - ()

SES-REG-20181017-06506 E E201148 Chadrad Communications Inc

Registration

10/16/2018 - 10/16/2033

Grant of Authority

Date Effective: 07/07/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 226 Bordeaux St., Dawes, Chadron, NE

42 ° 49 ' 48.00 " N LAT.

102 ° 59 ' 55.00 " W LONG.

ANTENNA ID: A1 3.8 meters NSN 3.8M

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

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181017-06507 E E201149 Georgia-Carolina Radiocasting Company, LLC

Registration

10/16/2018 - 10/16/2033

Grant of Authority

Date Effective: 07/07/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: WNEG Satellite Dish

LOCATION: 145 North Alexander Street, Stephens, Toccoa, GA

34 ° 34 ' 43.57 " N LAT.

83 ° 19 ' 52.40 " 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:

WNEG Satellite Dish - PERMITTED LIST - ()

SES-REG-20181017-06508 E E201150 CableSouth Media III, LLC
Registration 10/16/2018 - 10/16/2033
Grant of Authority Date Effective: 07/07/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Site 2
LOCATION: 187 Wood St, Ashley, Crossett, AR
33 ° 9 ' 14.72 " N LAT. 91 ° 57 ' 33.82 " W LONG.

ANTENNA ID: ANT1 3.8 meters Patriot 829066-G2RC
3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Analog Video with associated subcarriers

Points of Communication:

Site 2 - PERMITTED LIST - ()

SES-REG-20181017-06515 E E201156 Tugart Properties, LLC
Registration 10/16/2018 - 10/16/2033
Grant of Authority Date Effective: 07/07/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: WSNW Satellite Dish
LOCATION: 103 Ram Cat Alley, Oconee, Seneca, SC
34 ° 41 ' 6.00 " N LAT. 82 ° 57 ' 16.50 " 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:

WSNW Satellite Dish - PERMITTED LIST - ()

SES-REG-20181017-06523 E E201164 Lowcountry 34 Media, 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: WSCG Studio
LOCATION: 93 Sams Point Road, Beaufort, Beaufort, SC
32 ° 25 ' 22.20 " N LAT. 80 ° 38 ' 40.70 " W LONG.

ANTENNA ID:	SA2M	2 meters	SCIENTIFIC ATLANTA	UNKNOWN
	3700.0000 - 4200.0000 MHz		38M0G7W	0.00 dBW
				DIGITAL VIDEO AUDIO AND DATA MULTIPLEXED
ANTENNA ID:	DH45	4.5 meters	DH SATELLITE	45DH
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				DIGITAL MULTIPLEXED VIDEO AUDIO AND DATA
ANTENNA ID:	DH37	3.7 meters	DH SATELLITE	UNKNOWN
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				DIGITAL MULTIPLEX VIDEO AUDIO AND DATA
ANTENNA ID:	SA3M	3.7 meters	SCIENTIFIC ATLANTA	UNKNOWN
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				DIGITAL VIDEO AUDIO AND DATA MULTIPLEXED

Points of Communication:

WSCG Studio - PERMITTED LIST - ()

SES-REG-20181017-06550	E	E201173	HC2 Station Group, Inc.	
Registration				10/16/2018 - 10/16/2033
Grant of Authority				Date Effective: 07/04/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Hartford
 LOCATION: 3114 Albany Ave, West Hartford, CT
 41 ° 47 ' 48.40 " N LAT. 72 ° 47 ' 48.50 " W LONG.

ANTENNA ID:	ANT 1	3.8 meters	Comtech	829066
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				Digital Video with associated audio subcarriers

Points of Communication:

Hartford - PERMITTED LIST - ()

SES-REG-20181017-06554	E	E201177	HC2 Station Group, Inc.	
Registration				10/16/2018 - 10/16/2033
Grant of Authority				Date Effective: 07/04/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Flamingo McAllen
LOCATION: 200 W Flamingo 1, McAllen, TX
26 ° 15 ' 24.30 " N LAT. 98 ° 13 ' 52.00 " W LONG.

ANTENNA ID: ANT 1 3 meters Andersen 4P-10S
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Video with associated audio subcarriers

Points of Communication:

Flamingo McAllen - PERMITTED LIST - ()

SES-REG-20181017-06566 E E201185 HC2 LPTV Holdings, Inc.
Registration 10/16/2018 - 10/16/2033
Grant of Authority Date Effective: 07/04/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Missouri CityHouston
LOCATION: 2945 Senior Rd, Missouri City, TX
29 ° 33 ' 45.20 " N LAT. 95 ° 30 ' 35.90 " W LONG.

ANTENNA ID: ANT 1 3 meters Prodelin 1304
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Video with associated audio subcarriers

Points of Communication:

Missouri CityHouston - PERMITTED LIST - ()

SES-REG-20181017-06568 E E201978 HC2 LPTV Holdings, Inc.
Registration 10/16/2018 - 10/16/2033
Grant of Authority Date Effective: 07/04/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Candlabra / 005010
LOCATION: 3324 Pembroke Rd, Pembroke Park, FL
25 ° 59 ' 35.30 " N LAT. 80 ° 10 ' 26.00 " W LONG.

ANTENNA ID: ANT 1 3 meters D&H 24DH1
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Video with associated audio subcarriers

Points of Communication:

Candlabra / 005010 - PERMITTED LIST - ()

SES-REG-20181017-06570 E E201188 HC2 LPTV Holdings, Inc.
Registration 10/17/2018 - 10/17/2033
Grant of Authority Date Effective: 07/04/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Domino Lane Philly
LOCATION: 400-405 Domino Lane, Philadelphia, PA
40 ° 2 ' 30.10 " N LAT. 75 ° 14 ' 10.10 " W LONG.

ANTENNA ID: ANT 1 3 meters Prodelin 1304
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Video with associated audio subcarriers

Points of Communication:

Domino Lane Philly - PERMITTED LIST - ()

SES-REG-20181017-06606 E E201223 Lucinda DeVaul- Tonges
Registration 10/16/2018 - 10/16/2033
Grant of Authority Date Effective: 07/04/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Site 2
LOCATION: State Street State Street, Stark, Nimishillen Township, OH
40 ° 53 ' 55.00 " N LAT. 81 ° 12 ' 36.00 " W LONG.

ANTENNA ID: 6346 SMC 3.05 meters Channel Master 6346 10' SMC Antenna
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:

Site 2 - PERMITTED LIST - ()

SES-REG-20181017-06644 E E201262 briarwood presbyterian church/wljr
Registration 10/17/2018 - 10/17/2033
Grant of Authority Date Effective: 07/07/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Briarwood
LOCATION: 2200 Briarwood Way, Jefferson, Birmingham, AL
33 ° 24 ' 58.68 " N LAT. 86 ° 45 ' 35.28 " W LONG.

ANTENNA ID:	RECV 1	3.7 meters	DAWNco	#D37F48-4PC-5.5
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				Modulation and Services Digital Traffic, Various FEC, data rates and modulations

Points of Communication:

Briarwood - PERMITTED LIST - ()

SES-REG-20181017-06651	E	E201269	Ind. Co. Cable TV, Inc	
Registration				10/17/2018 - 10/17/2033
Grant of Authority				Date Effective: 07/01/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: cave city /rt.2
 LOCATION: 4782 NORTH SAINT LOUIS, independence, BATESVILLE, AR
 35 ° 50 ' 49.67 " N LAT. 91 ° 34 ' 21.20 " W LONG.

ANTENNA ID:	ant 1	3.8 meters	patriot	3.8
	3700.0000 - 4200.0000 MHz		36mog7d	video
ANTENNA ID:	ant 2	3.8 meters	patriot	3.8
	3700.0000 - 4200.0000 MHz		36mog7d	video
ANTENNA ID:	ant 3	3.8 meters	patriot	3.8
	3700.0000 - 4200.0000 MHz		36mog7d	video
ANTENNA ID:	ant 4	3 meters	aluminum	3.0
	3700.0000 - 4200.0000 MHz		36mog7d	video
ANTENNA ID:	ant 5	3.8 meters	dh	3.8
	3700.0000 - 4200.0000 MHz		36mog7d	video
ANTENNA ID:	ant 6	3 meters	aluminum	3.0
	3700.0000 - 4200.0000 MHz		36mog7d	video

Points of Communication:

cave city /rt.2 - PERMITTED LIST - ()

cave city /rt.2 - PERMITTED LIST - ()

SES-REG-20181017-06659 E E201277 Vision Multimedia Group LLC WUFO
Registration 10/17/2018 - 10/17/2033
Grant of Authority Date Effective: 07/07/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: wufo-1080
LOCATION: 709 Sycamore Street, Erie, Buffalo, NY
42 ° 53 ' 44.00 " N LAT. 78 ° 50 ' 41.00 " W LONG.

ANTENNA ID:	WUFO	3.7 meters	DH-Antenna	D37F-48
	3700.0000 - 4200.0000 MHz	0	0.00 dBW	
	3700.0000 - 4200.0000 MHz	0	0.00 dBW	

Points of Communication:

wufo-1080 - PERMITTED LIST - ()

SES-REG-20181017-06698 E E201316 Wool Boom Radio of Lima LLC
Registration 10/17/2018 - 10/17/2033
Grant of Authority Date Effective: 07/07/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: WLBC Studio
LOCATION: 800 E 29th St, Delaware, Muncie, OH
40 ° 9 ' 39.00 " N LAT. 85 ° 22 ' 42.10 " W LONG.

ANTENNA ID:	1	3.7 meters	DH Satellite	D37F48-4PC-5/5
	3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	Digital video, audio and data

Points of Communication:

WLBC Studio - PERMITTED LIST - ()

SES-REG-20181017-06714 E E201331 RadioJones, LLC
Registration 10/17/2018 - 10/17/2033
Grant of Authority Date Effective: 07/01/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Site 1.0
LOCATION: 211 South Monroe St - Sat Roof Dublin, GA, Laurens, Dublin, GA
32 ° 32 ' 15.44 " N LAT. 82 ° 54 ' 21.53 " W LONG.

Nature of Service: Fixed Satellite Service

SITE ID: WILO/WSHW Studios

LOCATION: 1401 W. Barner St., Clinton, Frankfort, IN
40 ° 17 ' 9.00 " N LAT.

86 ° 31 ' 38.00 " W LONG.

ANTENNA ID: Dish 1 3.8 meters Comtech G2RC

3700.0000 - 4200.0000 MHz 36M0G7W

Points of Communication:

WILO/WSHW Studios - PERMITTED LIST - ()

SES-REG-20181017-06738 E E201356 golden valley cable and 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: GOLDEN VALLEY HEADEN

LOCATION: 4206 US HIWAY 68, MAHAVE, GOLDEN VALLEY, AZ
35 ° 13 ' 10.00 " N LAT.

114 ° 10 ' 20.00 " W LONG.

ANTENNA ID: GV MULTI 1 4.5 meters SCIENTIFIC ATLANTA 8345

3716.0000 - 4180.0000 MHz 036M0G7W 0.00 dBW NA

ANTENNA ID: SA 2.8 2.8 meters SCIENTIFIC ATLANTA SA 9000

3716.0000 - 4180.0000 MHz 0 0.00 dBW NA

ANTENNA ID: VIKING 3.8 3.8 meters VIKING 380 AZPLR

3720.0000 - 4080.0000 MHz 36M0G7W 0.00 dBW F VIDEO

3700.0000 - 4200.0000 MHz 36M0G7W

Points of Communication:

GOLDEN VALLEY HEADEN - PERMITTED LIST - ()

SES-REG-20181017-06740 E E201358 Total Life Community Education Foundation

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: SafeTV
 LOCATION: 3732 W. Liberty Ave., Washington, Springdale, AR
 36 ° 11 ' 3.90 " N LAT. 94 ° 17 ' 50.34 " W LONG.

ANTENNA ID:	SAT-1	3.8 meters	Patriot	Prime Focus
	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:

SafeTV - PERMITTED LIST - ()

SES-REG-20181017-06743	E E201361	TDS BROADBAND SERVICE 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: 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	3.7 meters	DH	DH37FAE
	3700.0000 - 4200.0000 MHz		n/a	
ANTENNA ID:	2	2.9 meters	Unknown	Unknown
	3700.0000 - 4200.0000 MHz		n/a	
ANTENNA ID:	3	4.6 meters	Unknown	Unknown
	3700.0000 - 4200.0000 MHz		n/a	
ANTENNA ID:	4	3.7 meters	DH	DH37FAE
	3700.0000 - 4200.0000 MHz		n/a	
ANTENNA ID:	5	3.7 meters	DH	DH37FAE
	3700.0000 - 4200.0000 MHz		n/a	
ANTENNA ID:	6	3.8 meters	Patriot	Unknown
	3700.0000 - 4200.0000 MHz		n/a	

Points of Communication:

SES-REG-20181017-06747 E E201373 Ozark Mountain Media Group, LLC
Registration 10/17/2018 - 10/17/2033
Grant of Authority Date Effective: 07/07/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 225 Violyn, Taney, Branson, MO
36 ° 40 ' 2.40 " N LAT. 93 ° 15 ' 13.20 " W LONG.

ANTENNA ID: 3.7M 3.7 meters DH Satellite 3.7M
3700.0000 - 4200.0000 MHz 36M0G7W Digital traffic, various FEC, data rates and modulations

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181017-06758 E E201383 Arkwest Communications, Inc.
Registration 10/17/2018 - 10/17/2033
Grant of Authority Date Effective: 07/04/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Arkwest
LOCATION: 205 E 7th, Yell, Danville, AR
35 ° 5 ' 60.00 " N LAT. 93 ° 39 ' 31.00 " W LONG.

ANTENNA ID: Arkwest-1 7 meters Simulsat 5
3200.0000 - 4200.0000 MHz 10K0G7W DVB-S 2

Points of Communication:

Arkwest - PERMITTED LIST - ()

SES-REG-20181017-06761 E E201388 Boycom Cablevision, Inc.
Registration 10/17/2018 - 10/17/2033
Grant of Authority Date Effective: 07/06/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Piedmont, MO
LOCATION: Hwy 34 Hwy 34, Wayne, Piedmont, MO
37 ° 11 ' 0.48 " N LAT. 90 ° 39 ' 24.53 " W LONG.

ANTENNA ID: 3.7M 3.7 meters DH 3.7 Meter

3700.0000 - 4200.0000 MHz	36M0G7D	0.00 dBW	Video
ANTENNA ID: 3.8M	3.8 meters	Patriot	3.8 Meter
3700.0000 - 4200.0000 MHz	36M0G7D	0.00 dBW	Video

Points of Communication:

Piedmont, MO - PERMITTED LIST - ()

SES-REG-20181017-06807 E E201425 Thomas Broadcasting Co.
 Registration 10/17/2018 - 10/17/2033
 Grant of Authority Date Effective: 07/04/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: WOAYTVstudio
 LOCATION: 7113 legends hwy, fayette, Oak Hill, WV
 37 ° 57 ' 25.40 " N LAT. 81 ° 8 ' 57.30 " W LONG.

ANTENNA ID: WOAYNet1	7.3 meters	Andrew	ASC Signal 7.3
3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	digital video and data services

SITE ID: WOAYTV backup
 LOCATION: 7113 legends hwy, fayette, Oak Hill, WV
 37 ° 57 ' 25.10 " N LAT. 81 ° 8 ' 57.50 " W LONG.

ANTENNA ID: WOAYbackup	4.5 meters	Andrew	4.5ESA
3700.0000 - 4200.0000 MHz	36M0F8F	0.00 dBW	digital video and data services

SITE ID: WOAYTVPrograms
 LOCATION: 7113 legends hwy, fayette, Oak Hill, WV
 37 ° 57 ' 24.70 " N LAT. 81 ° 8 ' 57.30 " W LONG.

ANTENNA ID: steer1	4.5 meters	DH	45DH1
3700.0000 - 4200.0000 MHz	36M0F8F	0.00 dBW	digital video and data services

Points of Communication:

WOAYTVstudio - PERMITTED LIST - ()

SES-REG-20181017-06808 E E201426 CITY OF WYANDOTTE DEPT. OF MUNICIPAL SERVICE
 Registration 10/17/2018 - 10/17/2033
 Grant of Authority Date Effective: 07/04/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 3005 Biddle Avenue, Wayne, Wyandotte, MI
42 ° 12 ' 10.65 " N LAT. 83 ° 8 ' 56.35 " W LONG.

ANTENNA ID:	1	5 meters	Hughes	5 meter
ANTENNA ID:	2	5 meters	Hughes	5 meter
ANTENNA ID:	3	3.8 meters	D & H	3.8 meter
ANTENNA ID:	4	3.8 meters	D & H	3.8 meter
ANTENNA ID:	5	3.8 meters	SES	3.8 meter
3700.0000 - 4200.0000 MHz		36MDG7D	0.00 dBW	Video

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181017-06833 E E201451 Actualidad 990AM Licensee, 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: WMYM RECEIVE
LOCATION: 14880 SW 202nd Avenue, MIAMI-DADE, Miami, FL
25 ° 37 ' 36.00 " N LAT. 80 ° 31 ' 15.00 " W LONG.

ANTENNA ID:	WMYM RECEI	3.8 meters	DH	3.8
3700.0000 - 4200.0000 MHz		36M0G7W		

Points of Communication:

WMYM RECEIVE - PERMITTED LIST - ()

SES-REG-20181017-06898 E E201512 Bardstown Radio Team, 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: 106 S. 3rd St., Nelson, Bardstown, KY
37 ° 48 ' 31.00 " N LAT. 85 ° 28 ' 0.02 " W LONG.

ANTENNA ID:	Ant 1	3 meters	Winegard Pinnacle	Unknown
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SITE ID: STWMNT
LOCATION: 319 Back Pond Road, USA, Stewartstown, NH
44 ° 59 ' 21.90 " N LAT. 71 ° 29 ' 41.10 " W LONG.

ANTENNA ID: ANT2 4.5 meters AMERICAN ANTENNAS, INC TVRO-4.5
3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Digital Video
3700.0000 - 4200.0000 MHz 36M0F8F 0.00 dBW Modulation and Services Analog Video
with associated subcarriers

SITE ID: STWHE
LOCATION: 1 Back Pond Road, USA, Stewartstown, NH
44 ° 59 ' 7.00 " N LAT. 71 ° 31 ' 40.80 " W LONG.

ANTENNA ID: ANT1 4.5 meters AMERICAN ANTENNAS, INC TVRO-4.5
3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Digital Video
3700.0000 - 4200.0000 MHz 36M0F8F 0.00 dBW Modulation and Services Analog Video
with associated subcarriers

Points of Communication:

STWHE - PERMITTED LIST - ()

STWMNT - PERMITTED LIST - ()

SES-REG-20181017-06952 E E201568 Grantell 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: Site 1
LOCATION: 11474 Hwy 11, Sumter, York, AL
32 ° 31 ' 24.50 " N LAT. 88 ° 15 ' 28.10 " W LONG.

ANTENNA ID: ESPN 1 3 meters Sami 10f
3700.0000 - 4200.0000 MHz 36M0G7W Digital Audio

Points of Communication:

Site 1 - PERMITTED LIST - ()

SES-REG-20181017-07006 E E201614 Farris Broadcasting, Inc.
Registration 10/17/2018 - 10/17/2033
Grant of Authority Date Effective: 07/07/2020

Class of Station: Fixed Earth Stations

SITE ID: KNZA Studio
LOCATION: 1828 South Highway 73, Brown, Hiawatha, KS
39 ° 46 ' 23.00 " N LAT. 95 ° 31 ' 35.00 " W LONG.

ANTENNA ID: KNZA1 6 meters American Antennas, Inc TVRO 3.0

3700.0000 - 4200.0000 MHz

SITE ID: KAIR Studio
LOCATION: 200 N. Fifth Street, Atchison, Atchison, KS
39 ° 33 ' 46.00 " N LAT. 95 ° 7 ' 7.00 " W LONG.

ANTENNA ID: KAIR1 3 meters American Antennas, Inc TVRO 3.0

3700.0000 - 4200.0000 MHz

Points of Communication:

KAIR Studio - AMC-18 (S2713) - (139 WL)

KNZA Studio - AMC-18 (S2713) - (139 WL)

SES-REG-20181018-06855 E E201474 Seward County Broadcasting Co., Inc.
Registration 10/17/2018 - 10/17/2033
Grant of Authority Date Effective: 07/06/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: KSCB Studio Site
LOCATION: 1410 N. Western Ave., Seward, Liberal, KS
37 ° 3 ' 13.10 " N LAT. 100 ° 56 ' 29.00 " W LONG.

ANTENNA ID: ANTC 3.7 meters Prodelin Series 1374

3700.0000 - 4200.0000 MHz 36M0G7W digital carriers

Points of Communication:

KSCB Studio Site - PERMITTED LIST - ()

SES-REG-20181018-07139 E E201728 North Cascades Broadcasting, Inc.
Registration 10/18/2018 - 10/18/2033
Grant of Authority Date Effective: 07/07/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: KOMW Sat Dish
LOCATION: 626 Okoma Drive, Okanogan, Omak, WA
48 ° 23 ' 57.10 " N LAT. 119 ° 31 ' 59.90 " W LONG.

ANTENNA ID: KOMW Dish 3.7 meters Prodelin 1374-1375
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Audio and Data

Points of Communication:

KOMW Sat Dish - PERMITTED LIST - ()

SES-REG-20181019-07155 E E201745 Southern Plains Cable, LLC
Registration 10/19/2018 - 10/19/2033
Grant of Authority Date Effective: 07/07/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Elgin
LOCATION: Comanche, Elgin, OK
34 ° 47 ' 56.98 " N LAT. 98 ° 17 ' 42.86 " W LONG.

ANTENNA ID: Elgin 3.8 meters Patriot Solid Commercial Ant
3700.0000 - 4200.0000 MHz 0 0.00 dBW Digital Signals

Points of Communication:

Elgin - PERMITTED LIST - ()

SES-REG-20181023-05255 E E191627 Burt Broadcasting, Inc.
Registration 10/16/2018 - 10/16/2033
Grant of Authority Date Effective: 07/07/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 501 S. Florida st, Otero, Alamogordo, NM
32 ° 53 ' 9.64 " N LAT. 105 ° 57 ' 6.76 " W LONG.

ANTENNA ID: 1 3.7 meters DH Antenna - Dawnco D-37F48-4PC-5.5
3700.0000 - 4200.0000 MHz

Points of Communication:

1 - AMC-15 (S2180) - (105.0 W.L.)

SES-REG-20181023-06701 E E201318 Mission Broadcasting, Inc.
Registration 10/17/2018 - 10/17/2033
Grant of Authority Date Effective: 07/01/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: WTVO Studio2
LOCATION: 1917 N Meridian Road, Winnebago, Rockford, IL
42 ° 17 ' 13.48 " N LAT. 89 ° 10 ' 17.06 " W LONG.

ANTENNA ID: Dish 5 5 meters USSAT 50TVRO
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW PSK, Digital video with assoc. digital audio/data

Points of Communication:

WTVO Studio2 - PERMITTED LIST - ()

SES-REG-20181023-07173 E E201764 BUDD BROADCASTING CO., INC. 10/23/2018 - 10/23/2033
Registration
Grant of Authority Date Effective: 07/01/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Site 3
LOCATION: 4150 NW 93rd Ave. 4150 NW 93rd Ave., FL, Gainesville, FL
29 ° 44 ' 23.00 " N LAT. 82 ° 23 ' 8.00 " W LONG.

ANTENNA ID: anti 3.9 meters paraclip 3.9
3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW

Points of Communication:

Site 3 - PERMITTED LIST - ()

SES-REG-20181023-07174 E E201765 BUDD BROADCASTING CO., INC. 10/23/2018 - 10/23/2033
Registration
Grant of Authority Date Effective: 07/06/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Site 2
LOCATION: 4150 NW 93rd Ave. 4150 NW 93rd Ave., FL, Gainesville, FL
29 ° 44 ' 23.00 " N LAT. 82 ° 23 ' 8.00 " W LONG.

ANTENNA ID: ANT1 1.8 meters DAWNco 1.8
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW

Points of Communication:

Site 2 - PERMITTED LIST - ()

SES-REG-20181023-07177 E E201768 SM-WJMZ, LLC

Registration

10/23/2018 - 10/23/2033

Grant of Authority

Date Effective: 07/04/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Greenville

LOCATION: 220 North Main St Ste 402, Greenville, Greenville, SC

34 ° 51 ' 11.47 " N LAT.

82 ° 23 ' 49.27 " W LONG.

ANTENNA ID: ant3.7 3.7 meters TDBant3.7 ant3.7

3700.0000 - 4200.0000 MHz 36M0G7D digital

Points of Communication:

Greenville - AMC-18 (S2713) - (139 WL)

Greenville - SES-11 (S2964) - (104.95 W.L)

SES-REG-20181023-07180 E E201773 Eads Broadcasting Corporation

Registration

10/23/2018 - 10/23/2033

Grant of Authority

Date Effective: 07/04/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: KGAL KSHO

LOCATION: 36991 KGAL Drive, Linn, Lebanon, OR

44 ° 34 ' 22.00 " N LAT.

122 ° 55 ' 12.00 " W LONG.

ANTENNA ID: SOLID_12.5 3.81 meters Unknown Unknown

3700.0000 - 4200.0000 MHz 15M0G7W 0.00 dBW

Points of Communication:

KGAL KSHO - PERMITTED LIST - ()

SES-REG-20181024-06478 E E201121 Bluewater Broadcasting Company, LLC

Registration

10/16/2018 - 10/16/2033

Grant of Authority

Date Effective: 07/04/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Studio site
LOCATION: 4101 Wall Street, Montgomery, Montgomery, AL
32 ° 21 ' 36.78 " N LAT. 86 ° 14 ' 4.51 " W LONG.

ANTENNA ID: ANT1 3.15 meters Prodeline 3.0
3700.0000 - 4200.0000 MHz 36M0G7W Digital Video

Points of Communication:

Studio site - PERMITTED LIST - ()

Studio site - SES-1 (S2807) - (101.0 W.L.)

SES-REG-20181024-06979 E E201598 AccuWeather, Inc
Registration 10/17/2018 - 10/17/2033
Grant of Authority Date Effective: 07/01/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: AW-ICT
LOCATION: 100 Broadway, Sedgwick, Wichita, KS
37 ° 41 ' 12.11 " N LAT. 97 ° 20 ' 5.77 " W LONG.

ANTENNA ID: NP2 4 meters Unknown Unknown
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW NOAAPort data

Points of Communication:

AW-ICT - GALAXY 28 (S2160) - (89.0 W.L.)

SES-REG-20181026-07206 E E201799 Bristol Broadcasting Co., Inc.
Registration 10/26/2018 - 10/26/2033
Grant of Authority Date Effective: 07/07/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Bristol Studios
LOCATION: 901 East Valley Drive, Bristol City, BRISTOL, VA
36 ° 36 ' 36.10 " N LAT. 82 ° 9 ' 24.00 " W LONG.

ANTENNA ID: Ant 1 4.5 meters AMERICAN ANTENNAS, INC TVRO- 4.5
3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Digital Video

Points of Communication:

Bristol Studios - PERMITTED LIST - ()

SES-REG-20181029-07156 E E201746 WNYT-TV, LLC
Registration 10/29/2018 - 10/29/2033
Grant of Authority Date Effective: 07/02/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: CRB
LOCATION: 77 TOWER THREE LANE, ALBANY, NEW SCOTLAND, NY
42 ° 37 ' 31.70 " N LAT. 74 ° 0 ' 35.30 " W LONG.

ANTENNA ID: CRB RCV 3.8 meters COMTECH 3.8 - METER
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW DIGITAL, BROADCAST

Points of Communication:

CRB - PERMITTED LIST - ()

SES-REG-20181029-07216 E E201809 Texas A&M University
Registration 10/29/2018 - 10/29/2033
Grant of Authority Date Effective: 07/01/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: KAMU
LOCATION: 4244 TAMU, College Station, TX
30 ° 36 ' 29.00 " N LAT. 96 ° 20 ' 15.00 " W LONG.

ANTENNA ID: 3.8M 3.8 meters Comtech 3.8 METER PF
3700.0000 - 4200.0000 MHz 36M0G7W Digital / analog traffic, various FEC, data rates and modulation
3700.0000 - 4200.0000 MHz 30K0G7W Digital / analog traffic, various FEC, data rates and modulation

Points of Communication:

KAMU - PERMITTED LIST - ()

SES-REG-20181030-06604 E E201221 Franklin Radio Associates, Inc.
Registration 10/16/2018 - 10/16/2033
Grant of Authority Date Effective: 07/01/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: SITE 1
LOCATION: 1333 West Main St., Williamson, Franklin, TN
35 ° 54 ' 50.22 " N LAT. 86 ° 53 ' 5.17 " W LONG.

SITE ID: Site 1
LOCATION: 1220 Fairington Circle, St. Joseph, South Bend, IN
41 ° 37 ' 25.30 " N LAT. 86 ° 13 ' 56.20 " W LONG.

ANTENNA ID: SBSite 1 3 meters Harris TVRO
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Audio and Video

Points of Communication:

Site 1 - PERMITTED LIST - ()

SES-REG-20181030-06936 E E201551 CCR-Missoula IV, LLC
Registration 10/30/2018 - 10/30/2033
Grant of Authority Date Effective: 07/01/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Missoula, MT
LOCATION: 1600 North Avenue West, Missoula, Missoula, MT
46 ° 51 ' 10.21 " N LAT. 114 ° 1 ' 16.26 " W LONG.

ANTENNA ID: MS-SAT-1 3.4 meters General Dynamics AZ/EI
3700.0000 - 4200.0000 MHz 36M0G7W Digital Audio and Video

Points of Communication:

Missoula, MT - PERMITTED LIST - ()

SES-REG-20181031-06903 E E201518 Horizon Broadcasting Group LLC
Registration 10/31/2018 - 10/31/2033
Grant of Authority Date Effective: 07/01/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: HBG Studio
LOCATION: 854 NE 4th Street, Deschutes, Bend, OR
44 ° 3 ' 31.00 " N LAT. 121 ° 18 ' 2.00 " W LONG.

ANTENNA ID: ANT 1 3.8 meters Comtech Viking 1374-990
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Modulation and services digital audio

Points of Communication:

HBG Studio - PERMITTED LIST - ()

SES-REG-20181031-06925 E E201540 Howard University
Registration 10/31/2018 - 10/31/2033
Grant of Authority Date Effective: 07/01/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: WHUR-1
LOCATION: 529 Bryant Street 20059, DC, Washington, DC
38 ° 55 ' 13.29 " N LAT. 77 ° 1 ' 11.96 " W LONG.

ANTENNA ID: WHUR-1 4 meters Scientific Atlantic 9000
3700.0000 - 4200.0000 MHz 36M0G7W AURN/Premiere

Points of Communication:

WHUR-1 - PERMITTED LIST - ()

SES-REG-20181031-07129 E E201718 Richard A Linn
Registration 10/31/2018 - 10/31/2033
Grant of Authority Date Effective: 07/01/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Studio Lot
LOCATION: 131 NE 15th Street, Lincoln, Newport, OR
44 ° 38 ' 54.48 " N LAT. 124 ° 3 ' 7.81 " W LONG.

ANTENNA ID: Site1 3 meters Channel Master 10ft
3700.0000 - 4200.0000 MHz 36M0G7W QPSK modulation, digital audio and video data

Points of Communication:

Studio Lot - PERMITTED LIST - ()

SES-REG-20181031-07371 E E201966 Starrdak, Inc.
Registration 10/31/2018 - 10/31/2033
Grant of Authority Date Effective: 07/07/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: KDIX
LOCATION: 119 Second Avenue West, Dickinson, ND
46 ° 52 ' 50.30 " N LAT. 102 ° 47 ' 18.90 " W LONG.

ANTENNA ID: 1 4.5 meters

3700.0000 - 4200.0000 MHz

0.00 dBW

Points of Communication:

KDIX - PERMITTED LIST - ()

SES-REG-20181101-06097 E E200787 commZoom Assets, LLC

Registration

11/01/2018 - 11/01/2033

Grant of Authority

Date Effective: 07/01/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: GoliadHE

LOCATION: 901 Manahuilla St, Goliad, Goliad, TX

28 ° 41 ' 12.00 " N LAT.

97 ° 24 ' 0.00 " 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:

GoliadHE - PERMITTED LIST - ()

SES-REG-20181101-07357 E E201952 CATHY KONOPNICKI (d/b/a WSK FAMILY TRUST)

Registration

10/31/2018 - 10/31/2033

Grant of Authority

Date Effective: 07/06/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 72730

LOCATION: 391 W Deuce of Clubs, Showlow, AZ

34 ° 14 ' 49.00 " N LAT.

110 ° 2 ' 48.00 " W LONG.

ANTENNA ID: ANT01 3.8 meters Comtech 945-5353-15

3700.0000 - 4200.0000 MHz 36M0G7W

Points of Communication:

72730 - PERMITTED LIST - ()

SES-REG-20181102-05996 E E200689 Springcom Inc.
Registration 10/11/2018 - 10/11/2033
Grant of Authority Date Effective: 07/06/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 400 E Main St, Jackson, Springport, MI
42 ° 22 ' 41.00 " N LAT. 84 ° 41 ' 32.00 " W LONG.

ANTENNA ID:	A	3.7 meters	Eagle	3.7MPF
	3700.0000 - 4200.0000 MHz		36M0G7W	
ANTENNA ID:	B	3.8 meters	Challenger	3.8MPF
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
ANTENNA ID:	C	3.7 meters	Prodelin	1383
	3700.0000 - 4200.0000 MHz		36M0G7W	
ANTENNA ID:	D	3.7 meters	Eagle	3.7MPF
	3700.0000 - 4200.0000 MHz		36M0G7W	
ANTENNA ID:	E	3.6 meters	Comtech	3.6MPF
	3700.0000 - 4200.0000 MHz		36M0G7W	
ANTENNA ID:	F	3.1 meters	Patriot	3.1MPF
	3700.0000 - 4200.0000 MHz		36M0G7W	

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181207-06940 E E201555 My Town Media Inc
Registration 10/17/2018 - 10/17/2033
Grant of Authority Date Effective: 07/06/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Site 1
LOCATION: 412 N. Locust st. 412 N. Locust st., Crawford, Pittsburg, KS
37 ° 24 ' 42.40 " N LAT. 94 ° 42 ' 10.58 " W LONG.

ANTENNA ID:	ANT 1	3.07 meters	Prodelin	na
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SES-STA-20200615-00643 E WB36 Marlink, Inc.

Special Temporary Authority
Grant of Authority

Date Effective: 07/07/2020

Class of Station:

On July 7, 2020, Marlink, Inc., was granted special temporary authority for 60 days to operate ESV antenna types: Thrane & Thrane Model TT7080A "Sailor 800A", Intellian Model "V150NX", Intellian Model "V85NX", Intellian Model "V80e", Intellian Model "V100NX", Intellian Model "V130NX", Intellian Model "V240MTKu", Intellian Model "V240MT Gen2Ku", and SeaTel Model "2400Ku" with the following satellites: E UTELSAT 172B @ 172 E.L., Call Sign S3021, GALAXY 11 @ 93.1 W. L., Call Sign S2253, GALAXY 19 @ 97 W. L., Call Sign S2647, GALAXY 3C @ 95.05 W. L., Call Sign S2381, HORIZONS-3E @ 169 E. L., Call Sign S2947, INTELSAT 14 @ 45 W. L., Call Sign S2785, INTELSAT 19 @ 166 E. L., Call Sign S2850, INTELSAT 21 @ 58 W. L., Call Sign S2863, INTELSAT 23 @ 53 W. L., Call Sign S2831, INTELSAT 32e/Sky B-1 @ 43.15 W. L., Call Sign S2922, INTELSAT 34 @ 55 W.L., Call Sign S2915, INTELSAT 37e @ 18 W. L., Call Sign S2972, INTELSAT 904 @ 29.5 W. L., Call Sign S2408, INTELSAT 907 @ 27.5 W. L., Call Sign S2411, SES-4 @ 22 W. L., Call Sign S2828, T and TELSTAR 12V @ 15 W. L., Call Sign S2933 in the following frequency bands: 10.7-12.2 MHz, 17.8-19.4 GHz, 19.6-20.2 GHz (space-to-Earth) and 28350 29100, 29250 30000 GHz (Earth -to- space) frequency bands. All operations must comply with limits submitted in IBFS application file number SES-MOD-202000528-00575, Operations are authorized under a non-protected and non-interference basis and without prejudice to FCC action on IBFS application file number SES-MOD-202000528-00575.

Points of Communication:

SES-STA-20200619-00664 E E140029 ISAT US Inc.

Special Temporary Authority
Grant of Authority

Date Effective: 07/06/2020

Class of Station:

On July 6, 2020, ISAT US, Inc. (Inmarsat) was granted special temporary authority for 30 days, beginning July 06, 2020, to test various configurations of the Intellian GX100PM user earth station terminal within a radius of one mile from geographic coordinates 36° 51' 53"N, 76° 18' 53"W in Norfolk, VA to communicate with the Inmarsat 5-F2 space station at the 55° W.L. orbital location to demonstrate the function and performance of the terminal over the satellite and Inmarsat's Global Express (GX) network in the 29.5-30.0 GHz (Earth-to-space) and 19.45-20.2 GHz (space-to-Earth) frequency bands.

Points of Communication:

Dismissal

SES-REG-20190211-00149 E040106 Nexstar Broadcasting, Inc.

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). The applicant's waiver request is dismissed. The applicant has not demonstrated good cause for waiver of the Commission's rules and policies.

SURRENDER

SES-LIC-20060818-01405 E060321 AMS Spectrum Holdings, LLC

License surrendered by letter filed on July 1, 2020.

SES-LIC-20100303-00292 E980527 AMS Spectrum Holdings, LLC

License surrendered by letter filed on July 1, 2020.

SES-LIC-20100526-00647 E000054 AMS Spectrum Holdings, LLC

License surrendered by letter filed on July 1, 2020.

For more information concerning this Notice, contact the Satellite Division at 418-0719; TTY 1-888-835-5322.