



PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION
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Report No. SES-02122

Wednesday December 12, 2018

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-20180922-02818 E E181663 WIS License Subsidiary, LLC
Amendment
Grant of Authority Date Effective: 12/10/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 1111 Bull St., Richland, Columbia, SC
34 ° 0 ' 7.80 " N LAT. 81 ° 1 ' 45.90 " W LONG.

ANTENNA ID: 1	4.5 meters	SSE	8345
	3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video Carrier
ANTENNA ID: 2	4.5 meters	SSE	8345
	3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video Carrier
ANTENNA ID: 3	3.7 meters	37DH1	37DH1
	3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video Carrier
ANTENNA ID: 4	3.7 meters	3.7/PR12	3.7/PR12
	3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video Carrier
ANTENNA ID: 5	3.1 meters	PRT-310	PRT-310

3700.0000 - 4200.0000 MHz

36M0G7W

Digital Video Carrier

Points of Communication:

1 - PERMITTED LIST - ()

SES-AMD-20180924-02881 E E181689 WVUE License Subsidiary, LLC

Amendment

Grant of Authority

Date Effective: 12/10/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 1450Poydras St, Orleans Parish, New Orleans, LA

29 ° 56 ' 58.00 " N LAT.

90 ° 4 ' 38.90 " W LONG.

ANTENNA ID: 1 4.5 meters EASi 4.5

3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

ANTENNA ID: 2 4.5 meters EASI EASI4.5

3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

Points of Communication:

1 - PERMITTED LIST - ()

SES-AMD-20180926-02883 E E181617 WTXL License Subsidiary, LLC

Amendment

Grant of Authority

Date Effective: 12/06/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 1620 Commerce Blvd, Gadsden, Midland, FL

30 ° 29 ' 49.00 " N LAT.

84 ° 24 ' 43.10 " W LONG.

ANTENNA ID: 1 4.5 meters Andrew Corporation ESA45MPJ

3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

ANTENNA ID: 2 3.1 meters PATRIOT PRT-310

3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

ANTENNA ID: 3 3.8 meters COMTECH 3.8DUALASIS

3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

Points of Communication:

1 - PERMITTED LIST - ()

SES-AMD-20181011-03030 E E180490 Holy Spirit Radio Foundation, Inc.
Amendment
Grant of Authority Date Effective: 12/11/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 40 Rickerts Road, Bucks, Doylestown, PA
40 ° 19 ' 38.40 " N LAT. 75 ° 9 ' 35.80 " W LONG.

ANTENNA ID: ANT1 3.5 meters SuperStar SuperStar3.5
3700.0000 - 4200.0000 MHz 36M0G7W MPEG2 Audio Data Video

Points of Communication:

1 - GALAXY 15 (S2387) - (133.1)

SES-MOD-20180601-01124 E E100188 Fox Broadcasting Company
Application for Modification 12/17/2010 - 12/17/2025
Grant of Authority Date Effective: 12/11/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 265 BROAD STREET, HARTFORD, HARTFORD, CT
41 ° 45 ' 55.20 " N LAT. 72 ° 41 ' 14.80 " W LONG.

ANTENNA ID: 4.5M. 4.5 meters ANDREW CORPORATION ESA45-46A
3700.0000 - 4200.0000 MHz 36M0G7F Digital traffic, various FEC, modulations
and data rates
3700.0000 - 4200.0000 MHz 36M0F8F Video Carrier

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20180601-01127 E E000537 Fox Broadcasting Company
Application for Modification 08/21/2010 - 08/21/2025
Grant of Authority Date Effective: 12/11/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 35 SKYLINE DRIVE, SEMINOLE, ORLANDO, FL
28 ° 44 ' 18.00 " N LAT. 81 ° 22 ' 6.70 " W LONG.

ANTENNA ID: 4.5M. 4.5 meters ANDREW CORP ESA45-46A
3700.0000 - 4200.0000 MHz 36M0G7F Digital traffic, various FEC, modulations and data rates
3700.0000 - 4200.0000 MHz 36M0F8F Video Carrier

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20180601-01128 E E000536 Fox Broadcasting Company
Application for Modification 08/21/2010 - 08/21/2025
Grant of Authority Date Effective: 12/11/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 1401 79TH STREET CAUSEWAY, DADE, MIAMI, FL
25 ° 51 ' 0.80 " N LAT. 80 ° 9 ' 19.20 " W LONG.

ANTENNA ID: 4.5M. 4.5 meters ANDREW CORP ESA45-46A
3700.0000 - 4200.0000 MHz 36M0G7F Digital traffic, various FEC, modulations and data rates
3700.0000 - 4200.0000 MHz 36M0F8F Video Carrier

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20180601-01130 E E000538 Fox Broadcasting Company
Application for Modification 08/21/2010 - 08/21/2025
Grant of Authority Date Effective: 12/11/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 3213 JOHN F. KENNEDY BLVD., HILLSBOROUGH, TAMPA, FL
27 ° 56 ' 42.50 " N LAT. 82 ° 27 ' 49.30 " W LONG.

ANTENNA ID: 4.5M. 4.5 meters Andrew Corp ESA45-46A
3700.0000 - 4200.0000 MHz 36M0G7F Digital traffic, various FEC, modulations and data rates

3700.0000 - 4200.0000 MHz

36M0F8F

Video Ccarrier

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20180601-01132 E E000479 Fox Broadcasting Company

Application for Modification

07/28/2010 - 07/28/2025

Grant of Authority

Date Effective: 12/11/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 205 N. MICHIGAN AVENUE, COOK, CHICAGO, IL

41 ° 53 ' 15.10 " N LAT.

87 ° 37 ' 26.70 " W LONG.

ANTENNA ID: 4.5M.

4.5 meters

ANDREW CORP

ESA45-46A

3700.0000 - 4200.0000 MHz

36M0G7F

Digital traffic, various FEC, modulations and data rates

3700.0000 - 4200.0000 MHz

36M0F8F

Video Ccarrier

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20180604-01131 E E070199 Fox Broadcasting Company

Application for Modification

08/30/2007 - 08/30/2022

Grant of Authority

Date Effective: 12/11/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 2727 RUSSELLVILLE ROAD (WBKO), WARREN, BOWLING GREEN, KY

36 ° 57 ' 38.50 " N LAT.

86 ° 29 ' 37.40 " W LONG.

ANTENNA ID: 4.5M.

4.5 meters

ANDREW CORP

ESA45-46A

3700.0000 - 4200.0000 MHz

36M0G7F

Digital traffic, various FEC, modulations and data rates

3700.0000 - 4200.0000 MHz

36M0F8F

Video Ccarrier

Points of Communication:

1 - PERMITTED LIST - ()

SITE ID: 1
LOCATION: 25 FOX DRIVE, SUFFOLK, DEDHAM/BOSTON, MA
42 ° 13 ' 47.40 " N LAT. 71 ° 10 ' 48.90 " W LONG.

ANTENNA ID: 4.5M. 4.5 meters ANDREW CORP ESA45-46A
3700.0000 - 4200.0000 MHz 36M0F8F Video Ccarrier
3700.0000 - 4200.0000 MHz 36M0G7F Digital traffic, various FEC, modulations and data rates

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20180604-01154 E E100147 Fox Broadcasting Company
Application for Modification 12/16/2010 - 12/16/2025
Grant of Authority Date Effective: 12/11/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 1300 LIBERTY STREET, HAMPDEN, SPRINGFIELD, MA
42 ° 8 ' 16.80 " N LAT. 72 ° 34 ' 59.20 " W LONG.

ANTENNA ID: 4.5M. 4.5 meters ANDREW CORP ESA45-46A
3700.0000 - 4200.0000 MHz 36M0G7F Digital traffic, various FEC, modulations and data rates
3700.0000 - 4200.0000 MHz 36M0F8F Video Ccarrier

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20180604-01155 E E000603 Fox Broadcasting Company
Application for Modification 09/19/2010 - 09/19/2025
Grant of Authority Date Effective: 12/11/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 10000 PERKINS ROAD, EAST BATON ROUGE, BATON ROUGE, LA
30 ° 22 ' 37.30 " N LAT. 91 ° 5 ' 49.40 " W LONG.

ANTENNA ID: 4.5M. 4.5 meters ANDREW CORP ESA45-46A
3700.0000 - 4200.0000 MHz 36M0G7F Digital traffic, various FEC, modulations and data rates

3700.0000 - 4200.0000 MHz

36M0F8F

Video Ccarrier

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20180604-01156 E E000543 Fox Broadcasting Company

Application for Modification

08/21/2010 - 08/21/2025

Grant of Authority

Date Effective: 12/11/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 1500 ERASTE LANDRY ROAD, LAFAYETTE, LAFAYETTE, LA

30 ° 13 ' 20.70 " N LAT.

92 ° 3 ' 50.90 " W LONG.

ANTENNA ID: 4.5M.

4.5 meters

ANDREW CORP

ESA45-46A

3700.0000 - 4200.0000 MHz

36M0F8F

Video Ccarrier

3700.0000 - 4200.0000 MHz

36M0G7F

Digital traffic, various FEC, modulations and data rates

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20180604-01195 E E070211 Fox Broadcasting Company

Application for Modification

08/30/2007 - 08/30/2022

Grant of Authority

Date Effective: 12/11/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: ONE TELEVISION PLAZA (WTAP), WOOD, PARKERSBURG, WV

39 ° 15 ' 47.90 " N LAT.

81 ° 33 ' 52.80 " W LONG.

ANTENNA ID: 4.5M.

4.5 meters

ANDREW CORP

ESA45-46A

3700.0000 - 4200.0000 MHz

36M0F8F

0.00 dBW

Video Ccarrier

3700.0000 - 4200.0000 MHz

36M0G7F

0.00 dBW

Digital traffic, various FEC, modulations and data rates

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20180604-01196 E E000374 Fox Broadcasting Company
Application for Modification 07/28/2010 - 07/28/2025
Grant of Authority Date Effective: 12/11/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 4600 VESTAL PARKWAY EAST, BROOME, BINGHAMTON, NY
42 ° 5 ' 38.80 " N LAT. 75 ° 57 ' 26.30 " W LONG.

ANTENNA ID:	4.5M.	4.5 meters	ANDREW CORP	ESA45-46A
	3700.0000 - 4200.0000 MHz		36M0G7F	Digital traffic, various FEC, modulations and data rates
	3700.0000 - 4200.0000 MHz		36M0F8F	Video Ccarrier

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20180604-01197 E E000382 Fox Broadcasting Company
Application for Modification 07/28/2010 - 07/28/2025
Grant of Authority Date Effective: 12/11/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 1078-25 TH ROAD, LANCASTER, AXTELL, NE
40 ° 29 ' 35.00 " N LAT. 99 ° 4 ' 58.30 " W LONG.

ANTENNA ID:	4.5M.	4.5 meters	ANDREW CORP	ESA45-46A
	3700.0000 - 4200.0000 MHz		36M0G7F	Digital traffic, various FEC, modulations and data rates
	3700.0000 - 4200.0000 MHz		36M0F8F	Video Ccarrier

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20180612-01439 E E050060 LSB Broadcasting, Inc.
Application for Modification 03/07/2005 - 03/07/2020
Grant of Authority Date Effective: 12/10/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
 LOCATION: 5002 S. PADRE ISLAND DR., NUECES, CORPUS CHRISTI, TX
 27 ° 42 ' 50.00 " N LAT. 97 ° 22 ' 45.80 " W LONG.

ANTENNA ID:	1	4.5 meters	ANDREW CORP.	ESA45-46A
	3700.0000 - 4200.0000 MHz		36M0G7F	COMPRESSED DIGITAL VIDEO
	3700.0000 - 4200.0000 MHz		36M0F3F	STANDARD VIDEO WITH ASSOCIATED AUDIO SUBCARRIERS
ANTENNA ID:	A1	4.5 meters	ANDREW CORP.	ESA45-46A
	3700.0000 - 4200.0000 MHz		36M0G7F	COMPRESSED DIGITAL VIDEO
ANTENNA ID:	A2 - A5	4.5 meters	PATRIOT	KING POST
	3700.0000 - 4200.0000 MHz		36M0G7F	COMPRESSED DIGITAL VIDEO
	3700.0000 - 4200.0000 MHz		36M0F7F	STANDARD VIDEO WITH ASSOCIATED AUDIO SUBCARRIERS
ANTENNA ID:	A6	7.3 meters	ANDREW CORP.	ESA73--1
	3700.0000 - 4200.0000 MHz		36M0G7F	COMPRESSED DIGITAL VIDEO
ANTENNA ID:	A7	3.7 meters	DH	DH-3.7
	3700.0000 - 4200.0000 MHz		36M0G7F	COMPRESSED DIGITAL VIDEO
	3700.0000 - 4200.0000 MHz		36M0F3F	STANDARD VIDEO WITH ASSOCIATED AUDIO SUBCARRIERS

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20180629-01986 E E040066 Western New York Public Broadcasting Assoc
 Application for Modification 02/04/2004 - 02/04/2019
 Granted in Part / Dismissed in Part Date Effective: 12/11/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
 LOCATION: 140 LOWER TERRACE (WNED-FM), ERIE, BUFFALO, NY
 42 ° 52 ' 54.70 " N LAT. 78 ° 52 ' 48.60 " W LONG.

ANTENNA ID:	1	3.8 meters	COMTECH ANTENNA SYSTEMS	3.8 M.PF
	3700.0000 - 4200.0000 MHz		30K0F1D	DIGITAL AUDIO CARRIER

3700.0000 - 4200.0000 MHz	10M3G7W	DIGITAL BROADCAST AUDIO CARRIER
3700.0000 - 4200.0000 MHz	36M0G7W	DIGITAL MULTIPLEX CARRIER
ANTENNA ID: 2	3 meters	COMTECH ANTENNA SYSTEMS 3.0M.
3700.0000 - 4200.0000 MHz	36M0G7W	DIGITAL MULTIPLEX CARRIER

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20180820-02358 E E7190 ABC Radio Networks Assets, LLC
 Application for Modification 07/06/2008 - 07/06/2023
 Grant of Authority Date Effective: 12/06/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
 LOCATION: 1717 DESALES ST, WASHINGTON, DC
 38 ° 54 ' 17.00 " N LAT. 77 ° 2 ' 22.00 " W LONG.

ANTENNA ID: 1	3.8 meters	PATRIOT	PRT-380
3700.0000 - 4200.0000 MHz	36M0F8W	ANALOG PROGRAMMING AND DATA	

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20180821-02759 E E160134 Telesat Network Services, Inc.
 Application for Modification 11/08/2016 - 11/08/2031
 Grant of Authority Date Effective: 12/10/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
 LOCATION: 8209 Valley Pike, Fredrick, Middletown, VA
 39 ° 1 ' 1.00 " N LAT. 78 ° 17 ' 28.80 " W LONG.

ANTENNA ID: 1	9.4 meters	ASC Signal	9.4
29300.0000 - 30000.0000 MHz	500KG7D	66.50 dBW	Variable modulation with a maximum of 32 APSK and minimum of QPSK
29300.0000 - 30000.0000 MHz	56M0G7D	87.00 dBW	Variable modulation with a maximum of 32 APSK and minimum of QPSK

29300.0000 - 30000.0000 MHz	112MG7D	90.00 dBW	Variable modulation with a maximum of 32 APSK and minimum of QPSK
27600.0000 - 28600.0000 MHz	500KG7D	66.50 dBW	Variable modulation with a maximum of 32 APSK and minimum of QPSK
27600.0000 - 28600.0000 MHz	56M0G7D	87.00 dBW	Variable modulation with a maximum of 32 APSK and minimum of QPSK
27600.0000 - 28600.0000 MHz	112MG7D	90.00 dBW	Variable modulation with a maximum of 32 APSK and minimum of QPSK
19700.0000 - 20200.0000 MHz	500KG7D		Variable modulation with a maximum of 32 APSK and minimum of QPSK
19700.0000 - 20200.0000 MHz	56M0G7D		Variable modulation with a maximum of 32 APSK and minimum of QPSK
19700.0000 - 20200.0000 MHz	112MG7D		Variable modulation with a maximum of 32 APSK and minimum of QPSK
18300.0000 - 18800.0000 MHz	500KG7D		Variable modulation with a maximum of 32 APSK and minimum of QPSK
18300.0000 - 18800.0000 MHz	56M0G7D		Variable modulation with a maximum of 32 APSK and minimum of QPSK
18300.0000 - 18800.0000 MHz	112MG7D		Variable modulation with a maximum of 32 APSK and minimum of QPSK

Points of Communication:

1 - TELSTAR 19V - (63 W.L.)

SES-MOD-20180914-02765 E E930124 Ligado Networks Subsidiary LLC
Application for Modification 11/04/2004 - 11/04/2019
Withdrawn Date Effective: 12/10/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service, Mobile Satellite Service

SITE ID: 1
LOCATION: 10802 PARKRIDGE BOULEVARD, FAIRFAX, RESTON, VA
38 ° 56 ' 44.00 " N LAT. 77 ° 19 ' 7.00 " W LONG.

ANTENNA ID: 1 11 meters VERTEX 11KPK

14000.5000 - 14000.5000 MHz	700KF9D	81.00 dBW	SATELLITE COMMAND CHANNEL
13200.0000 - 13250.0000 MHz	6K40G7W	81.50 dBW	
13200.0000 - 13250.0000 MHz	1K44G7W	81.50 dBW	
13000.0000 - 13150.0000 MHz	6K40G7W	81.50 dBW	

13000.0000 - 13150.0000 MHz	1K44G7W	81.50 dBW	
11701.0000 - 11701.0000 MHz	138KGXD		SATELLITE TELEMETRY CHANNEL
11700.5000 - 11700.5000 MHz	138KGXD		SATELLITE TELEMETRY CHANNEL
1646.5000 - 1660.5000 MHz	NON	16.00 dBW	

Points of Communication:

1 - MSAT-1 - (106.5 W.L.)

1 - MSAT-2 (AMSC-1) - (106.5 W.L.)

1 - PERMITTED LIST - ()

SES-MOD-20180914-02811 E E980179 Ligado Networks Subsidiary LLC
 Application for Modification 11/30/2009 - 11/30/2024
 Withdrawn Date Effective: 12/10/2018

Class of Station: Mobile Earth Station

Nature of Service: Mobile Satellite Service

SITE ID: 1

LOCATION: 100,000 Full-duplex METs & "EMS" half-duplex data METs, VARIOUS

ANTENNA ID: A2	0 meters	WESTINGHOUSE / WEC Contour Dome	CD-JL01003, D-1000
1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
1525.0000 - 1559.0000 MHz	5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
1525.0000 - 1559.0000 MHz	5K00G7W		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps

ANTENNA ID: A3 0.92 meters WESTINGHOUSE / WEC Fixed Site (0.92 m) CD-JL01083, F-1000

1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW		TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW		Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
1525.0000 - 1559.0000 MHz	5K00G7W			TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
1525.0000 - 1559.0000 MHz	5K00G7W			FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID: A4	0.76 meters		WESTINGHOUSE / WEC Fixed Site (0.76 m)	CD-JL01083, F-1000
1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW		TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW		Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
1525.0000 - 1559.0000 MHz	5K00G7W			TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
1525.0000 - 1559.0000 MHz	5K00G7W			FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID: A5	0 meters		WESTINGHOUSE / WEC Maritime Contour Dome	CD-JL01003-G02
1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW		TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW		Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)

	1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
	1525.0000 - 1559.0000 MHz	5K00G7W		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
	1525.0000 - 1559.0000 MHz	5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
ANTENNA ID:	D3	0 meters	NARROWBAND / Narrowband Mobile	MDT 1000
	1626.5000 - 1660.5000 MHz	5K00G7D	16.00 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-DT-data)
	1626.5000 - 1660.5000 MHz	5K00G7D	16.00 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-DRr-data or MT-DRd-data)
	1525.0000 - 1559.0000 MHz	5K00G7D		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (DH-D-data)
ANTENNA ID:	D4	0 meters	EATON/ Eaton Mobile	SCM
	1626.5000 - 1660.5000 MHz	5K00G7D	16.00 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-DT-data)
	1626.5000 - 1660.5000 MHz	5K00G7D	16.00 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-DRr-data or MT-DRd-data)
	1525.0000 - 1559.0000 MHz	5K00G7D		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (DH-D-data)
ANTENNA ID:	A1	0 meters	WESTINGHOUSE / WEC Mast	CD-JL01080, P-1000
	1626.5000 - 1660.5000 MHz	5K00G7W	12.50 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
	1626.5000 - 1660.5000 MHz	5K00G7W	12.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)

	1626.5000 - 1660.5000 MHz	5K00G7W	12.50 dBW	FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
	1525.0000 - 1559.0000 MHz	5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
	1525.0000 - 1559.0000 MHz	5K00G7W		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID: A6	1.2 meters	WESTINGHOUSE / WEC Mult. Fixed Site		F-1000MC
	1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
	1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
	1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
	1525.0000 - 1559.0000 MHz	5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
	1525.0000 - 1559.0000 MHz	5K00G7W		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID: A7	0.46 meters	WESTINGHOUSE / KVH SC Maritime		M-1015, D-100HF
	1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
	1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
	1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
	1525.0000 - 1559.0000 MHz	5K00G7W		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps

	1525.0000 - 1559.0000 MHz	5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
ANTENNA ID: A8	0 meters	MITSUBISHI / MELCO Dome		AU200A, ST-111D
	1626.5000 - 1660.5000 MHz	5K00G7W	15.00 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
	1626.5000 - 1660.5000 MHz	5K00G7W	15.00 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
	1626.5000 - 1660.5000 MHz	5K00G7W	15.00 dBW	FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
	1525.0000 - 1559.0000 MHz	5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
	1525.0000 - 1559.0000 MHz	5K00G7W		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID: A9	0.6 meters	MITSUBISHI / MELCO Fixed Site		AU500A, ST-121
	1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
	1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
	1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
	1525.0000 - 1559.0000 MHz	5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
	1525.0000 - 1559.0000 MHz	5K00G7W		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID: A10	0.35 meters	MITSUBISHI / MELCO Briefcase		ST151
	1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)

	1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
	1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
	1525.0000 - 1559.0000 MHz	5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
	1525.0000 - 1559.0000 MHz	5K00G7W		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID:	A11	0.25 meters	mitsubishi / MELCO Omnicquest	ST251
	1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
	1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
	1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
	1525.0000 - 1559.0000 MHz	5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
	1525.0000 - 1559.0000 MHz	5K00G7W		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID:	A19	0 meters	WEC D-1000MH MARITIME DOME	CDJL01003-G02
	1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
	1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
	1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps

1525.0000 - 1559.0000 MHz	5K00G7W			TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
1525.0000 - 1559.0000 MHz	5K00G7W			FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID: A20	0 meters	MITSUBISHI / MELCO DOME		AU201A, ST-211D
1626.5000 - 1660.5000 MHz	5K00G7W	15.00 dBW		Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
1626.5000 - 1660.5000 MHz	5K00G7W	15.00 dBW		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
1626.5000 - 1559.0000 MHz	5K00G7W	15.00 dBW		TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
1525.0000 - 1559.0000 MHz	5K00G7W			TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
1525.0000 - 1559.0000 MHz	5K00G7W			FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID: A21	0.6 meters	MITSUBISHI / MELCO Fixed		AU601A,ST-221
1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW		TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW		Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
1525.0000 - 1559.0000 MHz	5K00G7W			TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
1525.0000 - 1559.0000 MHz	5K00G7W			FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID: A22	0.3 meters	KVH TRACPHONE		AU900A, ST131

1626.5000 - 1660.5000 MHz	5K00G7W	11.00 dBW		TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
1626.5000 - 1660.5000 MHz	5K00G7W	11.00 dBW		Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
1626.5000 - 1660.5000 MHz	5K00G7W	11.00 dBW		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
1525.0000 - 1559.0000 MHz	5K00G7W			TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
1525.0000 - 1559.0000 MHz	5K00G7W			FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID: A23	0 meters		mitsubishi / MELCO MAST	AU110A,ST111
1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW		TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW		Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
1525.0000 - 1559.0000 MHz	5K00G7W			TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
1525.0000 - 1559.0000 MHz	5K00G7W			FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID: A12	0 meters		CAL / Calquest	CQ100
1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW		TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW		Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)

	1626.5000 - 1660.5000 MHz		5K00G7W	16.50 dBW	FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
	1525.0000 - 1559.0000 MHz		5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
	1525.0000 - 1559.0000 MHz		5K00G7W		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID:	A13	0 meters	MITSUBISHI / MELCO Transportation Dome		AU400A
	1626.5000 - 1660.5000 MHz		5K00G7W	16.50 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
	1626.5000 - 1660.5000 MHz		5K00G7W	16.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
	1626.5000 - 1660.5000 MHz		5K00G7W	16.50 dBW	FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
	1525.0000 - 1559.0000 MHz		5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
	1525.0000 - 1559.0000 MHz		5K00G7W		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID:	D1	0 meters	WESTINGHOUSE / WEC Contour Dome		CD-JL01003
	1626.5000 - 1660.5000 MHz		5K00G7D	16.50 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-DT-data)
	1626.5000 - 1660.5000 MHz		5K00G7D	16.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-DRr-data or MT-DRd-data)
	1525.0000 - 1559.0000 MHz		5K00G7D		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (DH-D-data)
ANTENNA ID:	D2	0.415 meters	NARROWBAND / Narrowband Fixed Site		RST 2000

	1626.5000 - 1660.5000 MHz	5K00G7D	13.80 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-DT-data)
	1626.5000 - 1660.5000 MHz	5K00G7D	13.80 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-DRr-data or MT-DRd-data)
	1525.0000 - 1559.0000 MHz	5K00G7D		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (DH-D-data)
ANTENNA ID: D5		EMS / Packet Data / half duplex		PDT-100
	1626.5000 - 1660.5000 MHz	5K00G7D	11.50 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
	1626.5000 - 1660.5000 MHz	5K00G7D	11.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
	1525.0000 - 1559.0000 MHz	5K00G7D		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
	1525.0000 - 1559.0000 MHz	5K00G7D		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID: A14	0.46 meters	MITSUBISHI / MELCO Omniquest Fixed		OQFAU, ST251
	1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
	1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
	1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
	1525.0000 - 1559.0000 MHz	5K00G7W	0.00 dBW	TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
	1525.0000 - 1559.0000 MHz	5K00G7W	0.00 dBW	FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps

ANTENNA ID:	A15	0.85 meters	mitsubishi / MELCO Fixed	AU601B,ST221M	
	1626.5000 - 1660.5000 MHz		5K00G7W	16.50 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
	1626.5000 - 1660.5000 MHz		5K00G7W	16.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
	1626.5000 - 1660.5000 MHz		5K00G7W	16.50 dBW	FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
	1525.0000 - 1559.0000 MHz		5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
	1525.0000 - 1559.0000 MHz		5K00G7W		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID:	A16	0.46 meters	EMS/GETS	0955-A-0100	
	1626.5000 - 1660.5000 MHz		5K00G7W	17.50 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
	1626.5000 - 1660.5000 MHz		5K00G7W	17.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
	1626.5000 - 1660.5000 MHz		5K00G7W	17.50 dBW	FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
	1525.0000 - 1559.0000 MHz		5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
	1525.0000 - 1559.0000 MHz		5K00G7W		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID:	A17	0.46 meters	WESTINGHOUSE/WEC M-1075 MARITIME	M-1075, D-100HF	
	1626.5000 - 1660.5000 MHz		5K00G7W	16.50 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)

1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
1626.5000 - 1660.0000 MHz	5K00G7W	16.50 dBW	FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
1525.0000 - 1559.0000 MHz	5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
1525.0000 - 1559.0000 MHz	5K00G7W		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID: A18	0 meters	WESTINGHOUSE/WEC D DOME	CD-JL01003, .D-1000H
1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
1525.0000 - 1559.0000 MHz	5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
1525.0000 - 1559.0000 MHz	5K00G7W		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID: A24	0.274 meters	HUGHES NETWORK SYSTEMS	MSAT-G2
1626.5000 - 1660.5000 MHz	5K00G7W	16.00 dBW	FDMA communications channel (voice or data)
1525.0000 - 1559.0000 MHz	5K00G7W		FDMA communications channel (voice or data)

Points of Communication:

- 1 - MSAT-1 - (106.5 W.L.)
 - 1 - MSAT-2 (AMSC-1) - (106.5 W.L.)
 - 1 - SKYTERRA 1 - (101.3 W.L.)
-

3700.0000 - 4200.0000 MHz

36M0G7W

MPEG2 Audio Data Video

Points of Communication:

1 - GALAXY 15 (S2387) - (133.1)

SES-REG-20180615-01526 E E180891 VCY America Inc

Registration

06/15/2018 - 06/15/2033

Grant of Authority

Date Effective: 12/11/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 9974 County Hwy Q, Chippewa, Chippewa Falls, WI

44 ° 58 ' 55.60 " N LAT.

91 ° 25 ' 49.00 " W LONG.

ANTENNA ID: DH1

3.9 meters

Design Home

39

3700.0000 - 4200.0000 MHz

36M0G7W

Digital Audio

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180619-01563 E E180924 VCY America Inc

Registration

06/19/2018 - 06/19/2033

Grant of Authority

Date Effective: 12/11/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: N16597 Pray Ave, Clark, Curtiss, WI

45 ° 1 ' 10.60 " N LAT.

90 ° 29 ' 47.50 " W LONG.

ANTENNA ID: DH1

3.9 meters

Design Home

39

3700.0000 - 4200.0000 MHz

36M0G7W

Digital Audio

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180620-03038 E E181871 Mediacom Communications Corporation

Registration

06/19/2018 - 06/19/2033

Grant of Authority

Date Effective: 12/11/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 1408 West 15th Street, Cass, Atlantic, IA
41 ° 23 ' 45.30 " N LAT. 95 ° 2 ' 2.80 " W LONG.

ANTENNA ID: 1 3.7 meters Patriot Commercial Antenna
3700.0000 - 4200.0000 MHz 36M0G7D Video

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180621-01842 E E181114 Sjoberg's Inc.
Registration 06/21/2018 - 06/21/2033
Grant of Authority Date Effective: 12/11/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 515 N Hwy, 310, Minnesota, Thief River Falls, MN
48 ° 51 ' 9.50 " N LAT. 95 ° 46 ' 13.10 " W LONG.

ANTENNA ID: Ant1 4.6 meters Scientific-Atlanta 8005
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital and analog video services

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180622-03045 E E181876 Sugar River Media, LLC
Registration 06/22/2018 - 06/22/2033
Grant of Authority Date Effective: 12/11/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 62 Radio Drive, Orange, Randolph, VT
43 ° 56 ' 17.80 " N LAT. 72 ° 38 ' 8.16 " W LONG.

ANTENNA ID: Randolph 3.7 meters DAWNCO SATPACK-D37-radio
3700.0000 - 4200.0000 MHz 36M0G7W Digital audio and video services

Points of Communication:

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

SES-REG-20180626-01994 E E181235 Delaware First Media Corporation
Registration 06/26/2018 - 06/26/2033
Grant of Authority Date Effective: 12/11/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 1200 North Dupont Highway Cottage 504, (WDDE), Kent, Dover, DE
39 ° 11 ' 2.70 " N LAT. 75 ° 32 ' 35.20 " W LONG.

ANTENNA ID:	3.8M.	3.8 meters	Patriot	3.8M.
	3700.0000 - 4200.0000 MHz		30K0G7W	Digital various FEC, data rates and modulation
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital various FEC, data rates and modulation
	3700.0000 - 4200.0000 MHz		30K0G3W	Digital / Analog carrier : various FEC, data rates and modulation
	3700.0000 - 4200.0000 MHz		36M0G3W	Digital / Analog carrier : various FEC, data rates and modulation

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180627-02000 E E181240 Beresford Municipal Telephone Co.
Registration 06/27/2018 - 06/27/2033
Grant of Authority Date Effective: 12/11/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 110 E Main, Union, Beresford, SD
43 ° 4 ' 50.00 " N LAT. 96 ° 46 ' 30.00 " W LONG.

ANTENNA ID:	Simulsat	5 meters	ATCI	Simulsat5b
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				Analog Video with Associated Audio Subcarriers

Points of Communication:

- 1 - AMC 10 (S2432) - (135 W.L.)
- 1 - AMC-11(S2433) - (131 W.L.)
- 1 - AMC-15 (S2180) - (105.0 W.L.)
- 1 - GALAXY 13 (S2386) - (127 W.L.)

Pulaski 1 - GALAXY 14 (S2385) - (125 W.L.)

Pulaski 1 - GALAXY 15 (S2387) - (133.1)

Pulaski 1 - GALAXY 28 (S2160) - (89.0 W.L.)

Pulaski 1 - PERMITTED LIST - ()

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

Pulaski 1 - SES-11 (S2964) - (104.95 W.L.)

SES-REG-20180702-01951 E E181206 William D Bauer (d/b/a WinDBreak Cable)

Registration 07/02/2018 - 07/02/2033

Grant of Authority Date Effective: 12/11/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 3rd Street and Kate Street (Harrison NE Headend), Sioux, Harrison, NE

42 ° 41 ' 17.20 " N LAT. 103 ° 52 ' 50.60 " W LONG.

ANTENNA ID: Harrison 1 3.7 meters Prodelin 3.7 meter

3700.0000 - 4200.0000 MHz 36M0G7W NULL

ANTENNA ID: Harrison 2 3.2 meters Prodelin 3.2 meter

3700.0000 - 4200.0000 MHz 36M0G7W NULL

ANTENNA ID: Harrison 3 4.5 meters Satcom 4.5 meter

3700.0000 - 4200.0000 MHz 36M0G7W NULL

ANTENNA ID: Harrison 4 3.7 meters Prodelin 3.7 meter

3700.0000 - 4200.0000 MHz 36M0G7W NULL

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180702-01978 E E181223 Calvary of Albuquerque, Inc.

Registration 07/02/2018 - 07/02/2033

Grant of Authority Date Effective: 12/11/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
 LOCATION: 4001 Osuna Rd. NE, Bernalillo, Albuquerque, NM
 35 ° 9 ' 26.00 " N LAT. 106 ° 35 ' 50.50 " W LONG.

ANTENNA ID: 3.8M. 3.8 meters Comtech 3.8 Meter PF

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

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180706-02002 E E181242 Saga Broadcasting, LLC
 Registration 07/05/2018 - 07/05/2033
 Grant of Authority Date Effective: 12/11/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
 LOCATION: 2219 Yew St. Rd (KAFE), Whatcom, Bellingham, WA
 48 ° 43 ' 18.30 " N LAT. 122 ° 26 ' 44.40 " W LONG.

ANTENNA ID: KAFE 3.8 meters Comtech 3.8 M.

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital audio and data

3700.0000 - 4200.0000 MHz 36M0F8W 0.00 dBW Analog audio

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180711-02001 E E181241 WCBM Maryland, Inc.
 Registration 06/29/2018 - 06/29/2033
 Grant of Authority Date Effective: 12/11/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Site 1
 LOCATION: 1726 Reistersown Road, Baltimore County, Pikesville, MD
 39 ° 22 ' 57.00 " N LAT. 76 ° 43 ' 58.00 " W LONG.

ANTENNA ID: Site 1 3.2 meters Prodelin 3.2

3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Digital Video and Audio

Points of Communication:

Site 1 - PERMITTED LIST - ()

SES-REG-20180712-01866 E E181137 Mississippi River Radio
Registration 07/10/2018 - 07/10/2033
Grant of Authority Date Effective: 12/11/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Site 1

LOCATION: Rear 324 Broadway St Rear Building, Cape Girardeau, Cape Girardeau, MO
37 ° 18 ' 24.10 " N LAT. 89 ° 31 ' 17.30 " W LONG.

ANTENNA ID: Site1Dish1 3.7 meters Prodelin 1374

3700.0000 - 4200.0000 MHz 36M0G7W

Points of Communication:

Site 1 - PERMITTED LIST - ()

SES-REG-20180717-02445 E E181562 jefferson county cable, inc
Registration 07/17/2018 - 07/17/2033
Grant of Authority Date Effective: 12/10/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 927 Main Street, Jefferson, Smithfield, OH
40 ° 16 ' 35.93 " N LAT. 80 ° 46 ' 46.40 " W LONG.

ANTENNA ID: 1 3.1 meters Patriot 3.1

3700.0000 - 4200.0000 MHz 36M0G7W Analog and Digital with associated audio subcarriers

ANTENNA ID: 2 3.8 meters Proelin 1374

3700.0000 - 4200.0000 MHz 36M0G7W Analog and Digital with associated Audio subcarriers

Points of Communication:

1 - AMC 10 (S2432) - (135 W.L.)

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

1 - GALAXY 13 (S2386) - (127 W.L.)

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

1 - GALAXY 15 (S2387) - (133.1)

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

1 - GALAXY 18 (S2733) - (123 W.L.)

1 - GALAXY 23 (S2592) - (121 W.L.)

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

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

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

SES-REG-20180727-02602 E E181663 WIS License Subsidiary, LLC

Registration

07/27/2018 - 07/27/2033

Grant of Authority

Date Effective: 12/10/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 1111 Bull St., Richland, Columbia, SC

34 ° 0 ' 7.80 " N LAT.

81 ° 1 ' 45.90 " W LONG.

ANTENNA ID: 1	4.5 meters	SSE	8345
3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video Carrier
ANTENNA ID: 2	4.5 meters	SSE	8345
3700.0000 - 4200.0000 MHz		366M0G7W	Digital Video Carrier
ANTENNA ID: 3	3.7 meters	DH	37DH1
3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video Carrier
ANTENNA ID: 4	3.7 meters	AFC	3.7/PR12
3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video Carrier
ANTENNA ID: 5	3.1 meters	PATRIOT	PRT-310
3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video Carrier

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180730-02543 E E181617 WTXL License Subsidiary, LLC

Registration

07/30/2018 - 07/30/2033

Grant of Authority

Date Effective: 12/06/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 1620 Commerce Blvd, Gadsden, Midland, FL

30 ° 29 ' 49.00 " N LAT.

84 ° 24 ' 43.10 " W LONG.

ANTENNA ID:	1	4.5 meters	Andrew Corporation	ESA45MPJ
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video Carrier
ANTENNA ID:	2	3.1 meters	PATRIOT	PRT-301
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video Carrier
ANTENNA ID:	3	3.8 meters	COMTECH	3.8DUALAXIS
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video Carrier

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180731-02596 E E181657 WVUE License Subsidiary, LLC

Registration

07/31/2018 - 07/31/2033

Grant of Authority

Date Effective: 12/10/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 1025 S Jefferson Davis Pkwy, OrleansParish, New Orleans, LA

29 ° 57 ' 38.30 " N LAT.

90 ° 6 ' 10.50 " W LONG.

ANTENNA ID:	1	5 meters	Patriot	5.0M
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video Carrier
ANTENNA ID:	5	4.5 meters	ASC	ES45P-1
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video Carrier
ANTENNA ID:	2	4.5 meters	EASI	EASI4.5
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video Carrier
ANTENNA ID:	3	4.5 meters	SSE	8345
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video Carrier
ANTENNA ID:	4	4.5 meters	SSE	8345

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

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180731-02630	E E181689	WVUE License Subsidiary, LLC	
Registration			07/31/2018 - 07/31/2033
Grant of Authority			Date Effective: 12/10/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
 LOCATION: 1450Poydras St, Orleans Parish, New Orleans, LA
 29 ° 56 ' 58.00 " N LAT. 90 ° 4 ' 38.90 " W LONG.

ANTENNA ID: 1	4.5 meters	EASi	4.5
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video Carrier	
ANTENNA ID: 2	4.5 meters	EASI4.5	4.5
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video Carrier	

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180808-02927	E E181843	Hall Communications, Inc.	
Registration			08/08/2018 - 08/08/2033
Grant of Authority			Date Effective: 12/06/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
 LOCATION: 720 Main St., Windham, Willimantic, CT
 41 ° 42 ' 41.80 " N LAT. 72 ° 12 ' 46.00 " W LONG.

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

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180808-02928 E E181844 Hall Communications, Inc.
Registration 08/08/2018 - 08/08/2033
Grant of Authority Date Effective: 12/10/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 1996 Auction Rd, Lancaster, Manheim, PA
40 ° 6 ' 52.90 " N LAT. 76 ° 26 ' 50.20 " W LONG.

ANTENNA ID: 1 3.8 meters Comtech 3.8 meter
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Audio

ANTENNA ID: 2 3.8 meters Comtech 3.8 meter
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Audio

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180809-02870 E E181825 Comcast Cable Communications Management, LLC
Registration 07/27/2018 - 07/27/2033
Grant of Authority Date Effective: 12/06/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 310 Kents Lane, Johnson, Wrightsville, GA
32 ° 43 ' 34.20 " N LAT. 82 ° 42 ' 43.90 " W LONG.

ANTENNA ID: 1 3 meters Scientific Atlanta 3 Meter
3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

SITE ID: 2
LOCATION: 310 Kents Lane, Johnson, Wrightsville, GA
32 ° 43 ' 34.30 " N LAT. 82 ° 42 ' 44.30 " W LONG.

ANTENNA ID: 2 3 meters Scientific Atlanta 3 Meter
3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

SITE ID: 3
LOCATION: 310 Kents Lane, Johnson, Wrightsville, GA
32 ° 43 ' 34.50 " N LAT. 82 ° 42 ' 44.60 " W LONG.

ANTENNA ID: 3 2 meters Scientific Atlanta 2 Meter

3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

SITE ID: 4
LOCATION: 310 Kents Lane, Johnson, Wrightsville, GA
 32 ° 43 ' 34.60 " N LAT. 82 ° 42 ' 43.70 " W LONG.

ANTENNA ID: 4 3 meters Scientific Atlanta 3 meter

3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

SITE ID: 5
LOCATION: 310 Kents Lane, Johnson, Wrightsville, GA
 32 ° 43 ' 34.90 " N LAT. 82 ° 42 ' 44.40 " W LONG.

ANTENNA ID: 5 3 meters Scientific Atlanta 3 Meter

3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

SITE ID: 6
LOCATION: 310 Kents Lane, Johnson, Wrightsville, GA
 32 ° 43 ' 34.20 " N LAT. 82 ° 42 ' 44.00 " W LONG.

ANTENNA ID: 6 4 meters Scientific Atlanta 4 Meter

3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

Points of Communication:

- 1 - PERMITTED LIST - ()
- 2 - PERMITTED LIST - ()
- 3 - PERMITTED LIST - ()
- 4 - PERMITTED LIST - ()
- 5 - PERMITTED LIST - ()
- 6 - PERMITTED LIST - ()

SES-REG-20180814-02892 E E181833 Cox Television Jacksonville, LLC 08/14/2018 - 08/14/2033
Registration Date Effective: 12/10/2018
Grant of Authority

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 11700 Central Parkway # 2, Duval, Jacksonville, FL
 30 ° 16 ' 56.80 " N LAT. 81 ° 30 ' 50.40 " W LONG.

ANTENNA ID: 1 3.1 meters Patriot PRT-310

3700.0000 - 4200.0000 MHz	36M0G7F	0.00 dBW	Digital video
ANTENNA ID: 2	4.5 meters	Patriot	PRT-450
3700.0000 - 4200.0000 MHz	36M0G7F	0.00 dBW	Digital video
ANTENNA ID: 3	4.5 meters	EASI	4.5 Prime Focus
3700.0000 - 4200.0000 MHz	36M0G7F	0.00 dBW	Digital video
ANTENNA ID: 4	4.5 meters	Patriot	PRT-450
3700.0000 - 4200.0000 MHz	36M0G7F	0.00 dBW	Digital video
ANTENNA ID: 5	2.4 meters	Prodelin	Prodline 2.4
3700.0000 - 4200.0000 MHz	36M0F8W	0.00 dBW	Multi format data

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180814-02896 E E181837 Hearst Stations Inc.
 Registration 08/14/2018 - 08/14/2033
 Grant of Authority Date Effective: 12/10/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
 LOCATION: 8629 Winands Road (WBAL AM), Baltimore, Randallstown, MD
 39 ° 22 ' 40.90 " N LAT. 76 ° 46 ' 26.60 " W LONG.

ANTENNA ID: 1	3 meters	Viking	3 meter
3700.0000 - 4200.0000 MHz	36M0G7W		Digital audio, data

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180814-02931 E E181847 Eastern Utah Broadcasting Company
 Registration 08/14/2018 - 08/14/2033
 Grant of Authority Date Effective: 12/10/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
 LOCATION: 1899 N. Carbonville Road, Carbon, Price, UT
 39 ° 37 ' 43.00 " N LAT. 110 ° 50 ' 49.20 " W LONG.

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 605 W. State St., Imperial, El Centro, CA
32 ° 47 ' 29.60 " N LAT. 115 ° 33 ' 25.80 " W LONG.

ANTENNA ID: 1 3 meters Winegard Pinnacle
3700.0000 - 4200.0000 MHz 36M0G7W Digital video and audio

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180823-02932 E E181848 Radio Maria, Inc.
Registration 08/23/2018 - 08/23/2033
Grant of Authority Date Effective: 12/06/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 7115 W Tidwell Rd, Houston, TX
29 ° 50 ' 57.70 " N LAT. 95 ° 29 ' 48.00 " W LONG.

ANTENNA ID: 1 2.4 meters Prodelin 2.4 Meter
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Audio

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180829-02894 E E181835 Lenawee Broadcasting Co
Registration 08/29/2018 - 08/29/2033
Grant of Authority Date Effective: 12/10/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 242 W. Maumee St, Lenawee, Adrian, MI
41 ° 54 ' 1.20 " N LAT. 84 ° 2 ' 19.90 " W LONG.

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

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180829-02935 E E181851 WLJN AM/FM-WLJW AM
Registration 08/29/2018 - 08/29/2033
Grant of Authority Date Effective: 12/06/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 1101 Cass St, Grand Traverse, Traverse City, MI
44 ° 45 ' 7.60 " N LAT. 85 ° 37 ' 13.30 " W LONG.

ANTENNA ID:	1	3.8 meters	Patriot	3.8 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:

1 - PERMITTED LIST - ()

SES-REG-20180830-02937 E E181853 Elyria Lorain Broadcasting Company
Registration 08/30/2018 - 08/30/2033
Grant of Authority Date Effective: 12/06/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 10327 Milan Rd, Erie County, Milan, OH
41 ° 20 ' 30.00 " N LAT. 82 ° 37 ' 46.60 " W LONG.

ANTENNA ID:	1	3.8 meters	Comtech	3.8 meter	
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW	Digital Audio

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180918-02984 E E181857 Georgia Television, LLC
Registration 09/18/2018 - 09/18/2033
Grant of Authority Date Effective: 12/11/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: WSB-TV Studio
LOCATION: 1601 West Peachtree Street, N.E., Fulton, Atlanta, GA
33 ° 47 ' 54.00 " N LAT. 84 ° 23 ' 13.00 " W LONG.

ANTENNA ID:	1	5 meters	SA	8008
	3700.0000 - 4200.0000 MHz		36M0G7F	0.00 dBW
				Digital Video Audio and Data
ANTENNA ID:	4	7 meters	SA	8028
	3700.0000 - 4200.0000 MHz		36M0G7F	0.00 dBW
				Digital Video Audio and Data
ANTENNA ID:	5	7 meters	RSI Comsat	705G3-900
	3700.0000 - 4200.0000 MHz		36M0G7F	0.00 dBW
				Digital Video Audio and Data
ANTENNA ID:	6	10 meters	SA	8002A-HP
	3700.0000 - 4200.0000 MHz		36M0G7F	0.00 dBW
				Digital Video Audio and Data
ANTENNA ID:	7	7.3 meters	Andrew	ESA73-46
	3700.0000 - 4200.0000 MHz		36M0G7F	0.00 dBW
				Digital Video Audio and Data
ANTENNA ID:	8	4.5 meters	Andrew	ESA45-4
	3700.0000 - 4200.0000 MHz		36M0G7F	0.00 dBW
				Digital Video Audio and Data
ANTENNA ID:	10	3.8 meters	Patriot	3.8 AZ-EL
	3700.0000 - 4200.0000 MHz		36M0G7F	0.00 dBW
				Digital Video Audio and Data
ANTENNA ID:	11	2.4 meters	General Dynamics	1252
	3700.0000 - 4200.0000 MHz		36M0G7F	0.00 dBW
				Digital Video Audio and Data
ANTENNA ID:	17	3.4 meters	Prodelin	136-750
	3700.0000 - 4200.0000 MHz		36M0G7F	0.00 dBW
				Digital Video Audio and Data

Points of Communication:

WSB-TV Studio - PERMITTED LIST - ()

SES-REG-20180919-02983 E E181856 TCB Holdings Inc

Registration

09/19/2018 - 09/19/2033

Grant of Authority

Date Effective: 12/11/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Site 1

LOCATION: 101 N. Main Street, Seneca, Fostoria, OH

41 ° 9 ' 28.30 " N LAT.

83 ° 24 ' 48.70 " W LONG.

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 808 Newnan Road (WLBB-AM), Carroll, Carrollton, GA
33 ° 34 ' 20.29 " N LAT. 85 ° 3 ' 3.50 " W LONG.

ANTENNA ID: A 3.7 meters DawnCo D37F48-4PC-5.5
3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Modulation and Services Digital Audio

Points of Communication:

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

SES-REG-20181003-02982 E E181855 Cable Systems LLC
Registration 10/03/2018 - 10/03/2033
Grant of Authority Date Effective: 12/11/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: LLV
LOCATION: 7 Strada Nathan, Clark, Henderson, NV
36 ° 6 ' 19.20 " N LAT. 114 ° 56 ' 11.72 " W LONG.

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

ANTENNA ID: ANT2 4.5 meters Viking VS-450SSE-3C-PKG
3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Modulation and services Analog Video with Associated subcarriers.

Points of Communication:

LLV - PERMITTED LIST - ()

SES-RWL-20181023-03232 E E030303 Delta College
Renewal 11/13/2018 - 11/13/2033
Grant of Authority Date Effective: 12/07/2018

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: 1961 DELTA ROAD (WUCX-FM), UNIVERSITY CENTER, MI
43 ° 33 ' 42.10 " N LAT. 83 ° 58 ' 51.90 " W LONG.

ANTENNA ID: 3.8 M. 3.8 meters COMTECH ANTENNA SYSTEMS 3.8 METER PF

3700.0000 - 4200.0000 MHz	10M3G7W	MODULATION AND SERVICES DIGITAL BROADCAST AUDIO CARRIER
3700.0000 - 4200.0000 MHz	30K0F1D	MODULATION AND SERVICES DIGITAL AUDIO CARRIER

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20181029-03237	E E940139	WQED Multimedia	
Renewal			12/21/2018 - 12/21/2033
Grant of Authority			Date Effective: 12/07/2018

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
 LOCATION: 4802 FIFTH AVE., ALLEGHENY, PITTSBURGH, PA
 40 ° 26 ' 47.00 " N LAT. 79 ° 56 ' 40.00 " W LONG.

ANTENNA ID:	1	3.8 meters	COMTECH CORP.	934D0015-G2
	3700.0000 - 4200.0000 MHz		200KF3E	
	3700.0000 - 4200.0000 MHz		30K0F1D	

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20181030-03236	E E940127	Minnesota Public Radio	
Renewal			12/16/2018 - 12/16/2033
Grant of Authority			Date Effective: 12/07/2018

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
 LOCATION: 28TH & WALTERS, MINNEHAHA, SIOUX FALLS, SD
 43 ° 31 ' 32.00 " N LAT. 96 ° 44 ' 18.00 " W LONG.

ANTENNA ID:	1	5 meters	MICRODYNE CORP.	PR-16.4
	3700.0000 - 4200.0000 MHz		200KF3E	
	3700.0000 - 4200.0000 MHz		30K0F1D	

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20181031-03231 E E040037 LSB Broadcasting, Inc.
Renewal 01/15/2019 - 01/15/2034
Grant of Authority Date Effective: 12/10/2018

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: 2211 LOOP 323 ESE, SMITH, TYLER, TX
32 ° 18 ' 39.80 " N LAT. 95 ° 16 ' 21.30 " W LONG.

ANTENNA ID:	5M.	5 meters	ATCI	5M.
	3700.0000 - 4200.0000 MHz		36M0G7W	DIGITAL TRAFFIC, VARIOUS CARRIERS AND INFORMATION
	3700.0000 - 4200.0000 MHz		36M0F3F	STANDARD VIDEO WITH ASSOCIATED AUDIO SUBCARRIERS

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20181107-03235 E KA399 Telesat Network Services, Inc.
Renewal 12/30/2018 - 12/30/2033
Grant of Authority Date Effective: 12/06/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 1305 INDUSTRIAL PARK ROAD, SHENANDOAH, MOUNT JACKSON, VA
38 ° 43 ' 42.00 " N LAT. 78 ° 39 ' 25.00 " W LONG.

ANTENNA ID:	15M.	15 meters	VERTEX	15 KPK
	14001.0000 - 14499.0000 MHz		960KF2D	93.10 dBW TT&C
	14000.5000 - 14499.5000 MHz		960KF2D	93.10 dBW TT&C
	14000.0000 - 14500.0000 MHz		17M5F3F	79.30 dBW
	14000.0000 - 14500.0000 MHz		36M0F3F	70.80 dBW
	14000.0000 - 14500.0000 MHz		49K0G1D	45.70 dBW
	14000.0000 - 14500.0000 MHz		49K0G1E	45.70 dBW
	14000.0000 - 14500.0000 MHz		49K0G1F	45.70 dBW
	14000.0000 - 14500.0000 MHz		1M80G1D	61.30 dBW

14000.0000 - 14500.0000 MHz	1M80G1E	61.30 dBW	
14000.0000 - 14500.0000 MHz	1M80G1F	61.30 dBW	
14000.0000 - 14500.0000 MHz	7M04G1D	67.30 dBW	
14000.0000 - 14500.0000 MHz	7M04G1E	67.30 dBW	
14000.0000 - 14500.0000 MHz	7M03G1F	67.30 dBW	
14000.0000 - 14500.0000 MHz	100HN0N	64.50 dBW	
14000.0000 - 14500.0000 MHz	2M70G1C	78.80 dBW	
14000.0000 - 14500.0000 MHz	2M70G1D	78.80 dBW	
14000.0000 - 14500.0000 MHz	2M70G1E	78.80 dBW	
14000.0000 - 14500.0000 MHz	54M0G1C	91.80 dBW	
14000.0000 - 14500.0000 MHz	54M0G1D	91.80 dBW	
14000.0000 - 14500.0000 MHz	54M0G1E	91.80 dBW	
14000.0000 - 14500.0000 MHz	41M1G1C	90.60 dBW	
14000.0000 - 14500.0000 MHz	41M1G1D	90.60 dBW	
14000.0000 - 14500.0000 MHz	41M1G1E	90.60 dBW	
14000.0000 - 14500.0000 MHz	41M1G1F	90.60 dBW	
14000.0000 - 14500.0000 MHz	36M0G7W	86.10 dBW	DIGITAL, VIDEO, DATA AND VOICE
14000.0000 - 14500.0000 MHz	36M0G7W	73.40 dBW	DIGITAL, VIDEO, DATA AND VOICE
14000.0000 - 14500.0000 MHz	54M0G7W	84.70 dBW	DATA (QPSK, 8PSK, 16APSK)
14000.0000 - 14500.0000 MHz	500KG7W	64.40 dBW	DATA (QPSK, 8PSK, 16APSK)
14000.0000 - 14500.0000 MHz	600KG7W	68.10 dBW	DIGITAL
13811.0000 - 14000.0000 MHz	54M0G7W	84.70 dBW	DATA (QPSK, 8PSK, 16APSK)
13811.0000 - 14000.0000 MHz	54M0G7W	84.70 dBW	DIGITAL
13810.0000 - 14000.0000 MHz	54M0G7W	85.00 dBW	DIGITAL, VIDEO, DATA AND VOICE
13780.0000 - 14000.0000 MHz	600KG7W	68.10 dBW	DATA (QPSK, 8PSK, 16APSK)
13770.0000 - 13780.0000 MHz	4M00G7W	69.20 dBW	DATA (QPSK, 8PSK, 16APSK)

13750.0000 - 14000.0000 MHz	600KG7W	68.10 dBW	DIGITAL
13750.0000 - 13811.0000 MHz	54M0G7W	79.90 dBW	DATA (QPSK, 8PSK, 16APSK)
13750.0000 - 13811.0000 MHz	54M0G7W	79.90 dBW	DIGITAL
13750.0000 - 13770.0000 MHz	600KG7W	68.10 dBW	DATA (QPSK, 8PSK, 16APSK)
11705.5000 - 12199.0000 MHz	850KF2D		TT&C
11700.0000 - 12200.0000 MHz			
11700.0000 - 12200.0000 MHz	500KG7W		540 Kbps, 66 FEC, QPSK
11700.0000 - 12200.0000 MHz	54M0G7W		DATA (QPSK, 8PSK, 16APSK)
11700.0000 - 12200.0000 MHz	500KG7W		DATA (QPSK, 8PSK, 16APSK)
11451.0000 - 11451.0000 MHz	850KF2D		ORION
11450.5000 - 11450.5000 MHz	850KF2D		ORION
11450.0000 - 11950.0000 MHz			INTELSAT
11450.0000 - 11700.0000 MHz	200KG7W		DIGITAL
11450.0000 - 11700.0000 MHz	54M0G7W		DIGITAL
10950.0000 - 11700.0000 MHz	54M0G7W		(WTO-COVERED SERVICES ONLY)
10950.0000 - 11200.0000 MHz			INTELSAT
10950.0000 - 11200.0000 MHz	54M0G7W		DATA (QPSK, 8PSK, 16APSK)
10950.0000 - 11200.0000 MHz	500KG7W		DATA (QPSK, 8PSK, 16APSK)
10950.0000 - 11200.0000 MHz	200KG7W		DIGITAL
10950.0000 - 11200.0000 MHz	54M0G7W		DIGITAL
ANTENNA ID: LMA4T11N	9 meters	VERTEX	9 KPK
14498.0000 - 14500.0000 MHz	850KF2D	69.70 dBW	
14000.0000 - 14500.0000 MHz	17M5F3F	79.30 dBW	
14000.0000 - 14500.0000 MHz	36M0F3F	70.80 dBW	
14000.0000 - 14500.0000 MHz	49K0G1D	45.70 dBW	
14000.0000 - 14500.0000 MHz	49K0G1E	45.70 dBW	

14000.0000 - 14500.0000 MHz	49K0G1F	45.70 dBW	
14000.0000 - 14500.0000 MHz	1M80G1D	61.30 dBW	
14000.0000 - 14500.0000 MHz	1M80G1E	61.30 dBW	
14000.0000 - 14500.0000 MHz	1M80G1F	61.30 dBW	
14000.0000 - 14500.0000 MHz	7M04G1D	67.30 dBW	
14000.0000 - 14500.0000 MHz	7M04G1E	67.30 dBW	
14000.0000 - 14500.0000 MHz	7M04G1F	67.30 dBW	
14000.0000 - 14500.0000 MHz	41M1G1D	86.50 dBW	
14000.0000 - 14500.0000 MHz	41M1G1E	86.50 dBW	
14000.0000 - 14500.0000 MHz	41M1G1F	86.50 dBW	
14000.0000 - 14500.0000 MHz	100HN0N	85.50 dBW	
14000.0000 - 14500.0000 MHz	2M70G1C	74.70 dBW	
14000.0000 - 14500.0000 MHz	2M70G1D	74.70 dBW	
14000.0000 - 14500.0000 MHz	2M70G1E	74.70 dBW	
14000.0000 - 14500.0000 MHz	41M1G1C	86.50 dBW	
14000.0000 - 14500.0000 MHz	1M76G7W	69.00 dBW	1560 Kbps, .533 FEC, QPSK
14000.0000 - 14500.0000 MHz	3M52G7W	69.00 dBW	2560 Kbps, .533 FEC, BPSK
14000.0000 - 14500.0000 MHz	5M77G7W	69.00 dBW	2560 Kbps, .533 FEC, BPSK
13810.0000 - 14000.0000 MHz	1M76G7W	69.00 dBW	1560 Kbps, .533 FEC, QPSK
13810.0000 - 14000.0000 MHz	3M52G7W	69.00 dBW	1560 Kbps, .533 FEC, QPSK
13810.0000 - 14000.0000 MHz	5M77G7W	69.00 dBW	2560 Kbps, .533 FEC, BPSK
11700.0000 - 12200.0000 MHz			
11700.0000 - 12200.0000 MHz	1M60G7W		1750 Kbps, 66 FEC, QPSK
11700.0000 - 12200.0000 MHz	400KG7W		350 Kbps, 533 FEC, QPSK
11700.0000 - 12200.0000 MHz	470KG7W		410 Kbps, 533 FEC, QPSK
11451.0000 - 11451.0000 MHz	850KF2D		ORION

11450.5000 - 11450.5000 MHz	850KF2D		ORION
11450.0000 - 11950.0000 MHz			INTELSAT
11450.0000 - 11700.0000 MHz	1M60G7W		1750 Kbps, 66 FEC, QPSK
11450.0000 - 11700.0000 MHz	400KG7W		350 Kbps, 533 FEC, QPSK
11450.0000 - 11700.0000 MHz	470KG7W		410 Kbps, 533 FEC, QPSK
11450.0000 - 11700.0000 MHz	500KG7W		540 Kbps, 66 FEC, QPSK
10950.0000 - 11200.0000 MHz			INTELSAT
10950.0000 - 11200.0000 MHz	1M60G7W		1750 Kbps, .66 FEC, QPSK
10950.0000 - 11200.0000 MHz	400KG7W		350 Kbps, 533 FEC, QPSK
10950.0000 - 11200.0000 MHz	470KG7W		410 Kbps, 533 FEC, QPSK
10950.0000 - 11200.0000 MHz	500KG7W		540 Kbps, 66 FEC, QPSK
ANTENNA ID: 1.8M.	1.8 meters	PRODELIN	1184
14000.0000 - 14500.0000 MHz	200KG7W	49.50 dBW	
14000.0000 - 14500.0000 MHz	320KG7W	49.50 dBW	
14000.0000 - 14500.0000 MHz	640KG7W	49.50 dBW	
11700.0000 - 12200.0000 MHz	200KG7W		
11700.0000 - 12200.0000 MHz	320KG7W		
11700.0000 - 12200.0000 MHz	640KG7W		
ANTENNA ID: 2.4M.	2.4 meters	PRODELIN	1246
14000.0000 - 14500.0000 MHz	1M28G7W	58.20 dBW	
14000.0000 - 14500.0000 MHz	2M56G7W	58.20 dBW	
14000.0000 - 14500.0000 MHz	800KG7W	58.20 dBW	
11700.0000 - 12200.0000 MHz	2M56G7W		
11700.0000 - 12200.0000 MHz	1M28G7W		ORION, PAS
11700.0000 - 12200.0000 MHz	800KG7W		
ANTENNA ID: 4003A ESV	1 meters	SEATEL	4003A

12500.0000 - 12750.0000 MHz	1M76G7W		1560 KBPS, .533 FEC, QPSK
12500.0000 - 12750.0000 MHz	3M52G7W		1560 KBPS, .533 FEC, BPSK
12500.0000 - 12750.0000 MHz	5M77G7W		2560 KBPS, .533 FEC, BPSK
11700.0000 - 12200.0000 MHz	1M76G7W		1560 Kbps, .533 FEC, QPSK
11700.0000 - 12200.0000 MHz	3M52G7W		1560 Kbps, .533 FEC, BPSK
11700.0000 - 12200.0000 MHz	5M77G7W		2560 Kbps, .533 FEC, BPSK
11450.0000 - 11700.0000 MHz	1M76G7W		1560 Kbps, .533 FEC, QPSK
11450.0000 - 11700.0000 MHz	3M52G7W		1560 Kbps, .533 FEC, BPSK
11450.0000 - 11700.0000 MHz	5M77G7W		2560 Kbps, .533 FEC, BPSK
10950.0000 - 11200.0000 MHz	1M76G7W		1560 Kbps, .533 FEC, QPSK
10950.0000 - 11200.0000 MHz	3M52G7W		1560 Kbps, .533 FEC, BPSK
10950.0000 - 11200.0000 MHz	5M77G7W		2560 Kbps, .533 FEC, BPSK
ANTENNA ID: 4006 ESV	1 meters	SEATEL	4006
14000.0000 - 14500.0000 MHz	400KG7W	45.50 dBW	350 Kbps, .533 FEC, QPSK
14000.0000 - 14500.0000 MHz	500KG7W	46.50 dBW	540 Kbps, .66 FEC, QPSK
14000.0000 - 14500.0000 MHz	470KG7W	46.20 dBW	410 Kbps, .533 FEC, QPSK
14000.0000 - 14500.0000 MHz	1M60G7W	50.30 dBW	1750 Kbps, .66 FEC, QPSK
12500.0000 - 12750.0000 MHz	1M76G7W		1560 KBPS, .533 FEC, QPSK
12500.0000 - 12750.0000 MHz	3M52G7W		1560 KBPS, .533 FEC, BPSK
12500.0000 - 12750.0000 MHz	5M77G7W		2560 KBPS, .533 FEC, BPSK
11700.0000 - 12200.0000 MHz	1M76G7W		1560 Kbps, .533 FEC, QPSK
11700.0000 - 12200.0000 MHz	5M77G7W		2560 Kbps, .533 FEC, BPSK
11450.0000 - 11700.0000 MHz	1M76G7W		1560 Kbps, .533 FEC, QPSK
11450.0000 - 11700.0000 MHz	3M52G7W		1560 Kbps, .533 FEC, BPSK
11450.0000 - 11700.0000 MHz	5M77G7W		2560 Kbps, .533 FEC, BPSK
10950.0000 - 11200.0000 MHz	1M76G7W		1560 Kbps, .533 FEC, QPSK

10950.0000 - 11200.0000 MHz	3M52G7W		1560 Kbps, .533 FEC, BPSK
10950.0000 - 11200.0000 MHz	5M77G7W		2560 Kbps, .533 FEC, BPSK
ANTENNA ID: 2406 ESV	0.6 meters	SEATEL	2406
14200.0000 - 14470.0000 MHz	943KG7W	38.10 dBW	1037 Kbps, QPSK, 33/50 FEC
14000.0000 - 14500.0000 MHz	943KG7W	38.10 dBW	1037 Kbps, QPSK, 33/50 FEC
12500.0000 - 12750.0000 MHz	943KG7W		NULL
11700.0000 - 12200.0000 MHz	943KG7W		NULL
11450.0000 - 11700.0000 MHz	943KG7W		NULL
10950.0000 - 11200.0000 MHz	943KG7W		NULL
ANTENNA ID: 6006 ESV	1.5 meters	SEATEL	6006
14200.0000 - 14470.0000 MHz	943KG7W	52.00 dBW	1037 Kbps, QPSK, 33/50 FEC
14000.0000 - 14500.0000 MHz	943KG7W	52.00 dBW	1037 Kbps, QPSK, 33/50 FEC
12500.0000 - 12750.0000 MHz	943KG7W		NULL
11700.0000 - 12200.0000 MHz	943KG7W		NULL
11450.0000 - 11700.0000 MHz	943KG7W		NULL
10950.0000 - 11200.0000 MHz	943KG7W		NULL
ANTENNA ID: 4009 ESV	1 meters	SEATEL	4009
14200.0000 - 14470.0000 MHz	400KG7W	45.50 dBW	350KBPS, .533 FEC, QPSK
14200.0000 - 14470.0000 MHz	500KG7W	46.50 dBW	540 KBPS, .66 FEC, QPSK
14200.0000 - 14470.0000 MHz	1M60G7W	50.30 dBW	1750 KBPS, .66 FEC, QPSK
14200.0000 - 14470.0000 MHz	470KG7W	46.20 dBW	410 KBPS, .533 FEC, QPSK
12500.0000 - 12750.0000 MHz	1M76G7W		NULL
12500.0000 - 12750.0000 MHz	3M52G7W		NULL
12500.0000 - 12750.0000 MHz	5M77G7W		NULL
11700.0000 - 12200.0000 MHz	1M76G7W		NULL
11700.0000 - 12200.0000 MHz	3M52G7W		NULL

11700.0000 - 12200.0000 MHz	5M77G7W		NULL
11450.0000 - 11700.0000 MHz	1M76G7W		NULL
11450.0000 - 11700.0000 MHz	3M52G7W		NULL
11450.0000 - 11700.0000 MHz	5M77G7W		NULL
10950.0000 - 11200.0000 MHz	1M76G7W		NULL
10950.0000 - 11200.0000 MHz	3M52G7W		NULL
10950.0000 - 11200.0000 MHz	5M77G7W		NULL
ANTENNA ID: 6009 ESV	1.5 meters	SEATEL	6009
14200.0000 - 14470.0000 MHz	943KG7W	52.00 dBW	1037 KBPS, QPSK, 33/50 FEC
12500.0000 - 12750.0000 MHz	943KG7W		NULL
11700.0000 - 12200.0000 MHz	943KG7W		NULL
11450.0000 - 11700.0000 MHz	943KG7W		NULL
10950.0000 - 11200.0000 MHz	943KG7W		NULL
ANTENNA ID: USAT 24	0.6 meters	SEATEL	USAT 24
14200.0000 - 14470.0000 MHz	943KG7W	38.10 dBW	1037 KBPS, QPSK, 33/50 FEC
12500.0000 - 12750.0000 MHz	943KG7W		NULL
11700.0000 - 12200.0000 MHz	943KG7W		NULL
11450.0000 - 11700.0000 MHz	943KG7W		NULL
10950.0000 - 11200.0000 MHz	943KG7W		NULL
ANTENNA ID: 9797 ESV	2.4 meters	SEATEL	9797
14200.0000 - 14470.0000 MHz	943KG7W	57.50 dBW	1037 KBPS, QPSK, 33/50 FEC
12500.0000 - 12750.0000 MHz	943KG7W		NULL
11700.0000 - 12200.0000 MHz	943KG7W		NULL
11450.0000 - 11700.0000 MHz	943KG7W		NULL
ANTENNA ID: SE125ESV	1.25 meters	AZIMUTH	SE125
14200.0000 - 14470.0000 MHz	907KG7W	46.10 dBW	1037 KBPS, QPSK, 33/50 FEC

11700.0000 - 12200.0000 MHz	907KG7W			
11450.0000 - 11700.0000 MHz	907KG7W			
10950.0000 - 11200.0000 MHz	907KG7W			
ANTENNA ID: V60GESV	0.6 meters	INTELLIAN		V60G
14200.0000 - 14470.0000 MHz	717KG7W	38.30 dBW		QPSK, BPSK
11700.0000 - 12200.0000 MHz	717KG7W			QPSK, BPSK
11450.0000 - 11700.0000 MHz	717KG7W			QPSK, BPSK
10950.0000 - 11200.0000 MHz	717KG7W			QPSK, BPSK
ANTENNA ID: V110ESV	1.05 meters	INTELLIAN		V110
14200.0000 - 14470.0000 MHz	970KG7W	49.30 dBW		QPSK, BPSK
11700.0000 - 12200.0000 MHz	970KG7W			QPSK, BPSK
11450.0000 - 11700.0000 MHz	970KG7W			QPSK, BPSK
10950.0000 - 11200.0000 MHz	970KG7W			QPSK, BPSK
ANTENNA ID: V100GX4W	1 meters	INTELLIAN		V100GX
14000.0000 - 14500.0000 MHz	943KG7W	47.30 dBW		1037 KBPS, QPSK, 33/50 FEC
12500.0000 - 12750.0000 MHz	943KG7W			NULL
11700.0000 - 12200.0000 MHz	943KG7W			NULL
11450.0000 - 11700.0000 MHz	943KG7W			NULL
10950.0000 - 11200.0000 MHz	943KG7W			NULL
ANTENNA ID: V100GX8W	1 meters	INTELLIAN		V100GX
14000.0000 - 14500.0000 MHz	943KG7W	50.30 dBW		1037 KBPS, QPSK, 33/50 FEC
12500.0000 - 12750.0000 MHz	943KG7W			NULL
11700.0000 - 12200.0000 MHz	943KG7W			NULL
11450.0000 - 11700.0000 MHz	943KG7W			NULL
10950.0000 - 11200.0000 MHz	943KG7W			NULL
ANTENNA ID: 4012GX4W	1.06 meters	SEATEL		4012 GX

14000.0000 - 14500.0000 MHz	943KG7W	47.30 dBW	1037 KBPS, QPSK, 33/50 FEC
12500.0000 - 12750.0000 MHz	943KG7W		NULL
11700.0000 - 12200.0000 MHz	943KG7W		NULL
11450.0000 - 11700.0000 MHz	943KG7W		NULL
10950.0000 - 11200.0000 MHz	943KG7W		NULL
ANTENNA ID: 4012GX8W	1.06 meters	SEATEL	4012 GX
14000.0000 - 14500.0000 MHz	943KG7W	50.30 dBW	1037 KBPS, QPSK, 33/50 FEC
12500.0000 - 12750.0000 MHz	943KG7W		NULL
11700.0000 - 12200.0000 MHz	943KG7W		NULL
11450.0000 - 11700.0000 MHz	943KG7W		NULL
10950.0000 - 11200.0000 MHz	943KG7W		NULL
ANTENNA ID: 6012 ESV	1.5 meters	SEATEL	6012
14200.0000 - 14470.0000 MHz	943KG7W	52.00 dBW	1037 KBPS, QPSK, 33/50 FEC
12500.0000 - 12750.0000 MHz	943KG7W		NULL
11700.0000 - 12200.0000 MHz	943KG7W		NULL
11450.0000 - 11700.0000 MHz	943KG7W		NULL
10950.0000 - 11200.0000 MHz	943KG7W		NULL
ANTENNA ID: S900	1.03 meters	THRANE& THRANE	SAILOR 900
14200.0000 - 14470.0000 MHz	910KG7W	48.93 dBW	QPSK
12500.0000 - 12750.0000 MHz	910KG7W		NULL
11700.0000 - 12200.0000 MHz	910KG7W		NULL
11450.0000 - 11700.0000 MHz	910KG7W		NULL

Points of Communication:

- 1 - ESTRELA DO SUL 2 - (63 W.L.)
- 1 - MSAT-1 - (107.5)
- 1 - MSAT-1 - (107.5)
- 1 - PERMITTED LIST - ()

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

1 - Telstar 12 (S2462) - (109.2)

SES-RWL-20181113-03208 E E040061 WNIN Tri-State Public Media, Inc.
Renewal 01/30/2019 - 01/30/2034
Grant of Authority Date Effective: 12/10/2018

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: 405 CARPENTER STREET (WNIN-FM), VANDERBURGH, EVANSVILLE, IN
37 ° 58 ' 29.00 " N LAT. 87 ° 33 ' 20.00 " W LONG.

ANTENNA ID: 1 3.8 meters 3.8 METER PF
3700.0000 - 4200.0000 MHz 10M3G7W DIGITAL BROADCAST AUDIO CARRIER
3700.0000 - 4200.0000 MHz 30K0F1D DIGITAL AUDIO CARRIER

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20181116-03271 E E040087 GEORGIA PUBLIC TELECOMMUNICATIONS COMMISSION
Renewal 02/13/2019 - 02/13/2034
Grant of Authority Date Effective: 12/10/2018

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: 12 OCEAN SCIENCE CIRCLE (WSVH), BRYAN, SAVANNAH, GA
32 ° 3 ' 32.00 " N LAT. 81 ° 17 ' 57.00 " W LONG.

ANTENNA ID: 1 3.7 meters PRODELIN CORPORATION 1374
3700.0000 - 4200.0000 MHz 10M3G7W DIGITAL BROADCAST AUDIO CARRIER
3700.0000 - 4200.0000 MHz 30K0F1D DIGITAL AUDIO CARRIER

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20181119-03276 E E030332 Pacifica Foundation, Inc.
Renewal 12/02/2018 - 12/02/2033
Grant of Authority Date Effective: 12/10/2018

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: 3729 CAHUENGA BLVD., WEST (KPFK-FM), NORTH HOLLYWOOD, CA
34 ° 8 ' 7.00 " N LAT. 118 ° 21 ' 42.70 " W LONG.

ANTENNA ID: 3.8M. 3.8 meters COMTECH ANTENNA SYSTEMS 3.8 METER PF
3700.0000 - 4200.0000 MHz 10M3G7W DIGITAL AUDIO CARRIER
3700.0000 - 4200.0000 MHz 30K0F1D DIGITAL BROADCAST AUDIO CARRIER

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20181121-03268 E E030362 Hobart and William Smith Colleges
Renewal 12/22/2018 - 12/22/2033
Grant of Authority Date Effective: 12/10/2018

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: 300 PULTENEY STREET (WEOS), ONTARIO, GENEVA, NY
42 ° 51 ' 34.00 " N LAT. 76 ° 59 ' 8.00 " W LONG.

ANTENNA ID: 1 3.8 meters COMTECH ANTENNA SYSTEMS 3.8 METER PF
3700.0000 - 4200.0000 MHz 10M3G7W DIGITAL BROADCAST CARRIER
3700.0000 - 4200.0000 MHz 30K0F1D DIGITAL BROADCAST CARRIER

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20181127-03266 E E030346 Pocahontas Communications Cooperative Corp
Renewal 12/10/2018 - 12/10/2033
Grant of Authority Date Effective: 12/10/2018

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: RT. 1 BOX 139 (WVMR-AM), POCAHONTAS, DUMORE, WV
38 ° 17 ' 27.00 " N LAT. 79 ° 55 ' 48.00 " W LONG.

ANTENNA ID: 1 3.7 meters PRODELIN CORPORATION 136-750

3700.0000 - 4200.0000 MHz	10M3G7W	DIGITAL BROADCAST AUDIO CARRIER
3700.0000 - 4200.0000 MHz	30K0F1D	DIGITAL AUDIO CARRIER

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20181129-03337	E E040089	Washington State University	02/17/2019 - 02/17/2034
Renewal			Date Effective: 12/10/2018
Grant of Authority			

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
 LOCATION: DAIRY ROAD (KWSU), WHITMAN, PULLMAN, WA
 46 ° 43 ' 36.50 " N LAT. 117 ° 8 ' 50.00 " W LONG.

ANTENNA ID: 3.8M. 3.8 meters COMTECH 3.8 METER

3700.0000 - 4200.0000 MHz	10M3G7W	DIGITAL BROADCAST AUDIO CARRIER
3700.0000 - 4200.0000 MHz	30K0F1D	DIGITAL AUDIO CARRIER

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20181130-03345	E E040116	Board of Regents of the University of New Mexico	02/27/2019 - 02/27/2034
Renewal			Date Effective: 12/10/2018
Grant of Authority			

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
 LOCATION: ATOP BLDG 156/ ONATE HALL (KUNM-FM), BERNALILLO, ALBUQUERQUE, NM
 35 ° 5 ' 4.00 " N LAT. 106 ° 36 ' 49.30 " W LONG.

ANTENNA ID: 3.7M. 3.7 meters PRODELIN CORPORATION 136-750

3700.0000 - 4200.0000 MHz	10M3G7W	DIGITAL AUDIO CARRIER
3700.0000 - 4200.0000 MHz	30K0F1D	DIGITAL BROADCAST AUDIO CARRIER

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20181130-03346 E E040104 Maine Public Broadcasting Corporation
Renewal 02/25/2019 - 02/25/2034
Grant of Authority Date Effective: 12/10/2018

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: 309 MARGINAL WAY (WMEA-FM), CUMBERLAND, PORTLAND, ME
43 ° 40 ' 2.00 " N LAT. 70 ° 15 ' 28.00 " W LONG.

ANTENNA ID:	1	3.7 meters	PRODELIN CORPORATION	136-750
	3700.0000 - 4200.0000 MHz		10M3G7W	DIGITAL BROADCAST AUDIO CARRIER
	3700.0000 - 4200.0000 MHz		30K0F1D	DIGITAL AUDIO CARRIER

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20181130-03347 E E040114 University of Utah
Renewal 02/27/2019 - 02/27/2034
Grant of Authority Date Effective: 12/10/2018

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: 101 SOUTH WASATCH DRIVE (KUER-FM), SALT LAKE, SALT LAKE CITY, UT
40 ° 46 ' 3.20 " N LAT. 111 ° 50 ' 17.90 " W LONG.

ANTENNA ID:	1	3.8 meters	COMTECH ANTENNA SYSTEMS	3.8 METER PF
	3700.0000 - 4200.0000 MHz		10M3G7W	0.00 dBW
	3700.0000 - 4200.0000 MHz		30K0F1D	0.00 dBW

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20181203-03358 E E030363 Montana State University
Renewal 02/19/2019 - 02/19/2034
Grant of Authority Date Effective: 12/07/2018

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: VISUAL COMMUNICATIONS BUILDING MONTANNA STATE UNIVERSITY, GALLATIN, BOZEMAN, MT
45 ° 39 ' 55.00 " N LAT. 111 ° 3 ' 8.50 " W LONG.

ANTENNA ID: ANT.2 4.8 meters VERTEX RSI KPK
14000.0000 - 14500.0000 MHz 6M00G7W 72.00 dBW QPSK, 8PSK, DIGITAL DATA, VIDEO, AND AUDIO
11700.0000 - 12200.0000 MHz 36M0G7W QPSK, 8PSK, DIGITAL DATA, VIDEO, AND AUDIO

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20181203-03364 E E030325 MIDDLE TENNESSEE STATE UNIVERSITY
Renewal 11/24/2018 - 11/24/2033
Grant of Authority Date Effective: 12/10/2018

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: 1500 GREENLAND DRIVE (WMOT), RUTHERFORD, MUFREESBORO, TN
35 ° 51 ' 2.00 " N LAT. 86 ° 21 ' 44.00 " W LONG.

ANTENNA ID: 1 3.8 meters COMTECH ANTENNA SYSTEMS 3.8 METER PF
3700.0000 - 4200.0000 MHz 10M3G7W DIGITAL AUDIO CARRIER
3700.0000 - 4200.0000 MHz 30K0F1D DIGITAL AUDIO CARRIER

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20181203-03365 E E030339 Midcontinent Communications
Renewal 12/05/2018 - 12/05/2033
Grant of Authority Date Effective: 12/10/2018

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: 2949 FRIESLAND LANE, SE (MCABCO), BEMIDJI, BEMIDJI, MN
47 ° 26 ' 50.00 " N LAT. 94 ° 49 ' 25.00 " W LONG.

ANTENNA ID: 1 6 meters RF SYSTEMS, INC. 752-753
3700.0000 - 4200.0000 MHz 36M0G7W DIGITAL VIDEO WITH AUDIO SUBCARRIERS

3700.0000 - 4200.0000 MHz

36M0F8W

ANALOG VIDEO WITH AUDIO
SUBCARRIERS

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20181205-03362 E E040031 Prairie Public Broadcasting, Inc.

Renewal

01/14/2019 - 01/14/2034

Grant of Authority

Date Effective: 12/10/2018

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service, Fixed Satellite Service

SITE ID: 1

LOCATION: 1814 N. 15TH STREET (KCND-FM), BURLEIGH, BISMARCK, ND

46 ° 49 ' 31.40 " N LAT.

100 ° 46 ' 11.60 " W LONG.

ANTENNA ID: 1 3.8 meters COMTECH ANTENNA SYSTEMS 3.8 METER PF

3700.0000 - 4200.0000 MHz 10M3G7W 0.00 dBW DIGITAL AUDIO CARRIER

3700.0000 - 4200.0000 MHz 30K0F1D 0.00 dBW DIGITAL BROADCAST AUDIO
CARRIER

Points of Communication:

1 - PERMITTED LIST - ()

SES-STA-20180827-02508 E E181423 Haras Development

Special Temporary Authority

Grant of Authority

Date Effective: 12/06/2018

Class of Station:

On December 6, 2018, Haras Developments was granted special temporary authority for 60 days, beginning December 6, 2018, to operate its fixed earth station in Dublin, OH to communicate with the DigitalGlobe Constellations of Non-Geostationary Orbit (NGSO) Earth Exploration Satellite Service (EESS) satellites in the 402.0-403.0 MHz, 432.0-438.0 MHz, 449.75-451.25 MHz (Earth-to-space), and 401.0-403.0 MHz and 8025-8400 MHz (space-to-Earth) frequency bands.

Points of Communication:

SES-STA-20181011-03176 E KL92 Intelsat License LLC

Special Temporary Authority

Grant of Authority

Date Effective: 12/06/2018

Class of Station:

On December 6, 2018, Intelsat License LLC was granted special temporary authority for 30 days, beginning December 6, 2018, to operate its fixed earth station in Castle Rock, CO to provide launch and early orbit phase (LEOP) services for the SES-12 satellite on the following center frequencies: 13998.0 MHz, 13996.5 MHz, 13999.5 MHz, 14494.5 MHz, 14496.0 MHz, 14497.5 MHz, and 14499.0 MHz (Earth-to-space), and 11499.5 MHz and 11703.5 MHz (space-to-Earth).

Points of Communication:

SES-STA-20181011-03186 E KA258 Intelsat License LLC

Special Temporary Authority
Grant of Authority

Date Effective: 12/06/2018

Class of Station:

On December 6, 2018, Intelsat License LLC was granted special temporary authority for 30 days, beginning December 6, 2018, to operate its fixed earth station in Hagerstown, MD to provide launch and early orbit phase (LEOP) services for the SES-12 satellite on the following center frequencies: 13998.0 MHz, 13996.5 MHz, 13999.5 MHz, 14494.5 MHz, 14496.0 MHz, 14497.5 MHz, and 14499.0 MHz (Earth-to-space), and 11499.5 MHz and 11703.5 MHz (space-to-Earth).

Points of Communication:

SES-STA-20181022-03263 E KA269 Intelsat License LLC

Special Temporary Authority
Grant of Authority

Date Effective: 12/07/2018

Class of Station:

On December 7, 2018, Intelsat License LLC was granted special temporary authority for 30 days, beginning December 7, 2018, to operate its fixed earth station in Paumalu, Hawaii to provide telemetry, tracking, and command (TT&C) services during in-orbit testing ("IOT") of Horizons 3e (S2947) at 164.0°E.L. orbital location and TT&C during the drift of Horizon 3e to its permanent location of 169.0° E.L. orbital location, using the following frequencies and frequency bands: 4197.75 MHz, 4198.25 MHz, 4198.75 MHz, and 4199.25 MHz (space-to-Earth), and 6421.50 - 6425.0 MHz, and 5850.00 - 5853.5 MHz bands (Earth-to-space).

Points of Communication:

SES-STA-20181023-03256 E KA258 Intelsat License LLC

Special Temporary Authority
Grant of Authority

Date Effective: 12/07/2018

Class of Station:

On December 7, 2018, Intelsat License LLC was granted special temporary authority for 30 days, beginning December 07, 2018, to operate its fixed earth station in Hagerstown, MD to provide telemetry, tracking and command (TT&C) services for the Intelsat 9 (S2380) satellite as it drifts from the 29.5° W. L. orbital location to the 66.15° E.L. orbital location on the following center frequencies: 14.0005 GHz and 14.4945 GHz (Earth-to-space), and 11.7005 GHz and 11.702 GHz (space-to-Earth).

Points of Communication:

SES-STA-20181126-03335 E E140121 Intelsat License LLC

Special Temporary Authority
Grant of Authority

Date Effective: 12/06/2018

Class of Station:

On December 6, 2018, Intelsat License LLC was granted special temporary authority for 30 days, beginning December 6, 2018, to operate its fixed earth station in Mountainside, MD to provide telemetry, tracking and command (TT&C) services for the Intelsat 9 (S2380) satellite as it drifts from the 29.5° W.L. orbital location to the 66.15° E.L orbital location on the following center frequencies 14.0005 GHz and 14.4945 GHz (Earth-to-space), and 11.7005 GHz and 11.702 GHz (space-to-Earth).

Points of Communication:

SES–STA–20181126–03336 E E980502 Intelsat License LLC

Special Temporary Authority
Grant of Authority

Date Effective: 12/06/2018

Class of Station:

On December 6, 2018, Intelsat License LLC was granted special temporary authority for 60 days, beginning December 6, 2018, to operate its fixed earth station in Ellenwood, GA to provide telemetry, tracking and command (TT&C) services for Intelsat 16 (S2750) satellite while on-station at the 76.2° W.L. orbital location on the following center frequencies: 12198.25 MHz, 12198.75 MHz (space-to- Earth), and 13997.5 MHz, and 14499.5 MHz (Earth-to-space).

Points of Communication:

SES–STA–20181126–03338 E E181969 Intelsat License LLC

Special Temporary Authority
Grant of Authority

Date Effective: 12/06/2018

Class of Station:

On December 6, 2018, Intelsat License LLC was granted special temporary authority for 30 days, beginning December 6, 2018, to operate its fixed earth station in Hagerstown, MD to operate a 9-meter C-band antenna fixed earth station in Hagerstown, MD with the SES-3 (S2892) satellite at the 103.0° W.L. orbital location in the 5925-6425 MHz (Earth-to-space) and 3700-4200 MHz (space-to-Earth) frequency bands.

Points of Communication:

SES–STA–20181127–03343 E E4132 Intelsat License LLC

Special Temporary Authority
Grant of Authority

Date Effective: 12/07/2018

Class of Station:

On December 7, 2018, Intelsat License LLC was granted special temporary authority for 30 days, beginning December 14, 2018, to provide launch and early orbit phase (LEOP) services for the GSAT-7A satellite on the following center frequencies: 6415.00 MHz and 6417.16 MHz (Earth-to-space), and 4186.848 MHz and 4189.344 MHz (space-to-Earth) from geographic coordinates 34° 24' 22"N, 118° 53' 34"W in Fillmore, California.

Points of Communication:

SES–STA–20181129–03344 E E990402 Globecom License Sub LLC

Special Temporary Authority
Grant of Authority

Date Effective: 12/07/2018

Class of Station:

On December 7, 2018, Globecom License Sub LLC was granted special temporary authority for 60 days, beginning December 7, 2018, to operate its fixed earth station in Hauppauge, NY with the Eutelsat 65 West A satellite at the 65.2° W.L. orbital location in the 10701.0-10944.5 MHz (space-to-Earth) and 12751.0-12994.5 MHz frequency bands.

Points of Communication:

SES–STA–20181130–03355 E E110013 Intelsat License LLC

Special Temporary Authority
Grant of Authority

Date Effective: 12/07/2018

Class of Station:

On December 7, 2018, Intelsat License LLC was granted special temporary authority for 60-days, beginning December 11, 2018, to operate a 1.2-meter earth station at Round Hill, VA with Galaxy 3C (S2381) satellite at the 95.05° W.L orbital location on the following center frequencies: 14143-14197 MHz (Earth to-space) and 11843-11897 MHz (space-to- Earth).

Points of Communication:

SES-T/C-20181116-03310 E E060338 New World Communications of Atlanta, Inc.
Application for Consent to Transfer of Control
Grant of Authority Date Effective: 12/06/2018

Current Licensee: New World Communications of Atlanta, Inc.
FROM: Twenty-First Century Fox, Inc.
TO: New Fox, Inc.

No. of Station(s) listed: 1

SES-T/C-20181116-03311 E E050246 New World Communications of Detroit, Inc.
Application for Consent to Transfer of Control
Grant of Authority Date Effective: 12/06/2018

Current Licensee: New World Communications of Detroit, Inc.
FROM: Twenty-First Century Fox, Inc.
TO: New Fox, Inc.

No. of Station(s) listed: 1

SES-T/C-20181116-03312 E E080033 NW Communications of Phoenix, Inc.
Application for Consent to Transfer of Control
Grant of Authority Date Effective: 12/06/2018

Current Licensee: NW Communications of Phoenix, Inc.
FROM: Twenty-First Century Fox, Inc.
TO: New Fox, Inc.

No. of Station(s) listed: 2

SES-T/C-20181116-03313 E E900067 NW Communications of Texas, Inc.
Application for Consent to Transfer of Control
Grant of Authority Date Effective: 12/06/2018

Current Licensee: NW Communications of Texas, Inc.
FROM: Twenty-First Century Fox, Inc.
TO: New Fox, Inc.

No. of Station(s) listed: 1

SES-T/C-20181117-03322 E E4708 ABC, Inc.
Application for Consent to Transfer of Control
Grant of Authority Date Effective: 12/06/2018

Current Licensee: ABC, Inc.
FROM: The Walt Disney Company
TO: TWDC Holdco 613 Corp.

No. of Station(s) listed: 1

SES-T/C-20181117-03323	E E180276	WTVD TELEVISION, LLC	
Application for Consent to Transfer of Control			Date Effective: 12/06/2018
Grant of Authority			
Current Licensee:	WTVD TELEVISION, LLC		
FROM:	The Walt Disney Company		
TO:	TWDC Holdco 613 Corp.		
			No. of Station(s) listed: 2
SES-T/C-20181117-03324	E E865016	WLS Television, Inc.	
Application for Consent to Transfer of Control			Date Effective: 12/06/2018
Grant of Authority			
Current Licensee:	WLS Television, Inc.		
FROM:	The Walt Disney Company		
TO:	TWDC Holdco 613 Corp.		
			No. of Station(s) listed: 1
SES-T/C-20181117-03325	E E050217	KTRK Television, Inc.	
Application for Consent to Transfer of Control			Date Effective: 12/06/2018
Grant of Authority			
Current Licensee:	KTRK Television, Inc.		
FROM:	The Walt Disney Company		
TO:	TWDC Holdco 613 Corp.		
			No. of Station(s) listed: 2
SES-T/C-20181117-03326	E E120145	KGO Television, Inc.	
Application for Consent to Transfer of Control			Date Effective: 12/06/2018
Grant of Authority			
Current Licensee:	KGO Television, Inc.		
FROM:	The Walt Disney Company		
TO:	TWDC Holdco 613 Corp.		
			No. of Station(s) listed: 2
SES-T/C-20181117-03327	E E8191	KFSN TELEVISION, LLC	
Application for Consent to Transfer of Control			Date Effective: 12/06/2018
Grant of Authority			
Current Licensee:	KFSN TELEVISION, LLC		
FROM:	The Walt Disney Company		
TO:	TWDC Holdco 613 Corp.		
			No. of Station(s) listed: 2
SES-T/C-20181117-03328	E E000264	ESPN Productions, Inc.	
Application for Consent to Transfer of Control			Date Effective: 12/06/2018
Grant of Authority			
Current Licensee:	ESPN Productions, Inc.		
FROM:	The Walt Disney Company		
TO:	TWDC Holdco 613 Corp.		
			No. of Station(s) listed: 2

SES-T/C-20181117-03329	E E180554	ESPN, Inc.	
Application for Consent to Transfer of Control			Date Effective: 12/06/2018
Grant of Authority			
Current Licensee: ESPN, Inc.			
FROM: The Walt Disney Company			
TO: TWDC Holdco 613 Corp.			
			No. of Station(s) listed: 2
SES-T/C-20181117-03330	E E7190	ABC Radio Networks Assets, LLC	
Application for Consent to Transfer of Control			Date Effective: 12/06/2018
Grant of Authority			
Current Licensee: ABC Radio Networks Assets, LLC			
FROM: The Walt Disney Company			
TO: TWDC Holdco 613 Corp.			
			No. of Station(s) listed: 1
SES-T/C-20181117-03331	E E4466	American Broadcasting Companies, Inc.	
Application for Consent to Transfer of Control			Date Effective: 12/06/2018
Grant of Authority			
Current Licensee: American Broadcasting Companies, Inc.			
FROM: The Walt Disney Company			
TO: TWDC Holdco 613 Corp.			
			No. of Station(s) listed: 1
SES-T/C-20181117-03332	E E990134	ABC Holding Company Inc.	
Application for Consent to Transfer of Control			Date Effective: 12/06/2018
Grant of Authority			
Current Licensee: ABC Holding Company Inc.			
FROM: The Walt Disney Company			
TO: TWDC Holdco 613 Corp.			
			No. of Station(s) listed: 1
SES-T/C-20181119-03314	E E950058	Disney Channel	
Application for Consent to Transfer of Control			Date Effective: 12/06/2018
Grant of Authority			
Current Licensee: Disney Channel			
FROM: The Walt Disney Company			
TO: TWDC Holdco 613 Corp.			
			No. of Station(s) listed: 3
SES-T/C-20181119-03315	E E050168	ABC, Inc.	
Application for Consent to Transfer of Control			Date Effective: 12/06/2018
Grant of Authority			
Current Licensee: ABC, Inc.			
FROM: The Walt Disney Company			
TO: TWDC Holdco 613 Corp.			
			No. of Station(s) listed: 2

SES-T/C-20181119-03316	E E040371	WTVD TELEVISION, LLC	
Application for Consent to Transfer of Control			Date Effective: 12/06/2018
Grant of Authority			
Current Licensee:	WTVD TELEVISION, LLC		
FROM:	The Walt Disney Company		
TO:	TWDC Holdco 613 Corp.		
			No. of Station(s) listed: 7
SES-T/C-20181119-03317	E E040399	WLS Television, Inc.	
Application for Consent to Transfer of Control			Date Effective: 12/06/2018
Grant of Authority			
Current Licensee:	WLS Television, Inc.		
FROM:	The Walt Disney Company		
TO:	TWDC Holdco 613 Corp.		
			No. of Station(s) listed: 3
SES-T/C-20181119-03318	E E010265	KTRK Television, Inc.	
Application for Consent to Transfer of Control			Date Effective: 12/06/2018
Grant of Authority			
Current Licensee:	KTRK Television, Inc.		
FROM:	The Walt Disney Company		
TO:	TWDC Holdco 613 Corp.		
			No. of Station(s) listed: 4
SES-T/C-20181119-03319	E E070124	KGO Television, Inc.	
Application for Consent to Transfer of Control			Date Effective: 12/06/2018
Grant of Authority			
Current Licensee:	KGO Television, Inc.		
FROM:	The Walt Disney Company		
TO:	TWDC Holdco 613 Corp.		
			No. of Station(s) listed: 4
SES-T/C-20181119-03320	E E040369	KFSN TELEVISION, LLC	
Application for Consent to Transfer of Control			Date Effective: 12/06/2018
Grant of Authority			
Current Licensee:	KFSN TELEVISION, LLC		
FROM:	The Walt Disney Company		
TO:	TWDC Holdco 613 Corp.		
			No. of Station(s) listed: 2
SES-T/C-20181119-03321	E E070054	ESPN, Inc.	
Application for Consent to Transfer of Control			Date Effective: 12/06/2018
Grant of Authority			
Current Licensee:	ESPN, Inc.		
FROM:	The Walt Disney Company		
TO:	TWDC Holdco 613 Corp.		
			No. of Station(s) listed: 6

SES-T/C-20181120-03333 E E000201 New World Communications of Tampa, Inc.
Application for Consent to Transfer of Control
Grant of Authority

Date Effective: 12/06/2018

Current Licensee: New World Communications of Tampa, Inc.

FROM: Twenty-First Century Fox, Inc.

TO: New Fox, Inc.

No. of Station(s) listed: 1

SURRENDER

SES-MFS-20100618-00714 E000586 ABS-CBN International, Inc.

License surrendered by letter filed on December 7, 2018.

SES-MFS-20100927-01200 E000584 ABS-CBN International, Inc.

License surrendered by letter filed on December 7, 2018.

SES-MOD-20100930-01238 E950212 ABS-CBN International, Inc.

License surrendered by letter filed on December 7, 2018.

SES-REG-20100113-00070 E100011 Moultrie Telecommunications, Inc.

License surrendered by letter filed on December 10, 2018.

SES-RWL-20040130-00149 E6904 Cebridge Acquisition, L.P.

License surrendered by letter filed on December 10, 2018.

SES-RWL-20050908-01223 E950370 ABS-CBN International, Inc.

License surrendered by letter filed on December 7, 2018.

SES-RWL-20080425-00493 E980153 ABS-CBN International, Inc.

License surrendered by letter filed on December 7, 2018.

SES-RWL-20091202-01527 E990523 ABS-CBN International, Inc.

License surrendered by letter filed on December 7, 2018.

SES-RWL-20100804-00989 E000585 ABS-CBN International, Inc.

License surrendered by letter filed on December 7, 2018.

SES-RWL-20100824-01078 E000596 ABS-CBN International, Inc.

License surrendered by letter filed on December 7, 2018.

SES-RWL-20110810-00939 E010233 ABS-CBN International, Inc.

License surrendered by letter filed on December 7, 2018.

SES-RWL-20110810-00940 E010232 ABS-CBN International, Inc.

License surrendered by letter filed on December 7, 2018.

SES-RWL-20110908-01050 E010258 ABS-CBN International, Inc.

License surrendered by letter filed on December 7, 2018.

For more information concerning this Notice, contact the Satellite Division at 418-0719; TTY 1-888-835-5322.