



# PUBLIC NOTICE

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

News media information 202-418-0500  
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Report No. SES-01784

Wednesday September 23, 2015

## 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.

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**SES-ASG-20140224-00112** E E7554 MALARA BROADCAST GROUP OF DULUTH LICENSEE LLC  
Application for Consent to Assignment  
Grant of Authority Date Effective: 03/10/2014

**Current Licensee:** MALARA BROADCAST GROUP OF DULUTH LICENSEE LLC  
**FROM:** Malara Broadcast Group of Duluth Licensee LLC  
**TO:** Sagamorehill of Duluth Licenses, LLC

No. of Station(s) listed: 1

On September 16, 2015, Sagamorehill of Duluth License, LLC , assignment application has been granted an Extension of Consummation Period as requested in letter dated September 3, 2015, for an Additional 60 days until November 5, 2015. See Other Filings Tab for grant dates.

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**SES-LIC-20150630-00436** E E150098 EchoStar Broadcasting Corporation  
Application for Authority 09/15/2015 - 09/15/2030  
Grant of Authority Date Effective: 09/15/2015

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Other

**SITE ID:** 1  
**LOCATION:** 10020 Liberty Street, Meade, Summerset, SD  
44 ° 11 ' 14.20 " N LAT. 103 ° 20 ' 7.50 " W LONG.

ANTENNA ID:	1	9.2 meters	General Dynamics	9.2m
	12210.0000 - 12690.0000 MHz	24M0G7W	0.00 dBW	Digital Compressed Video
	12200.0000 - 12210.0000 MHz	300KGXD	0.00 dBW	Telemetry
	12690.0000 - 12700.0000 MHz	300KGXD	0.00 dBW	Telemetry

12200.0000 - 12210.0000 MHz	800KF3D	0.00 dBW	Telemetry
12690.0000 - 12700.0000 MHz	800KF3D	0.00 dBW	Telemetry
17300.0000 - 17310.0000 MHz	1M50F2D	81.84 dBW	Telecommand
17310.0000 - 17790.0000 MHz	24M0G7W	87.00 dBW	Digital Compressed Video
17790.0000 - 17800.0000 MHz	1M50F2D	81.84 dBW	Telecommand

**Points of Communication:**

1 - EHOSTAR 15 (S2811) - (45.1 W.L.)

1 - EHOSTAR/DISH - ()

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<b>SES-LIC-20150731-00483</b>	E	E150101	ION MEDIA OF TAMPA, INC.	<b>EZ</b>
Application for Authority				09/15/2015 - 09/15/2030
Grant of Authority				Date Effective: 09/15/2015

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: Bartlett  
LOCATION: 3145 Brother Blvd, Shelby, Bartlett, TN  
35 ° 12 ' 40.30 " N LAT. 89 ° 48 ' 55.30 " W LONG.

ANTENNA ID:	9.1m	9.1 meters	ViaSat	8009A
	5925.0000 - 6425.0000 MHz	36M0G7F	77.74 dBW	Digital Compressed Video
	3700.0000 - 4200.0000 MHz	36M0G7F		Digital Compressed Video

**Points of Communication:**

Bartlett - PERMITTED LIST - ()

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<b>SES-MFS-20150424-00270</b>	E	E080100	Row 44 Inc.	
Modification				08/05/2009 - 08/05/2024
Grant of Authority				Date Effective: 09/16/2015

**Class of Station:** Other

**Nature of Service:** Fixed Satellite Service, Other

SITE ID: Remotes-1  
LOCATION: Operate up to 1000 ESAA terminals (.6 m) CONUS, TERR., INTERNATIONAL WATERS

ANTENNA ID:	A	0.6 meters	AeroSat Avionics	70-100-0000-01
	11700.0000 - 12200.0000 MHz	36M0G7D	0.00 dBW	QPSK or octal PSK

14050.0000 - 14470.0000 MHz	1M60G7D	38.60 dBW	QPSK or octal PSK
SITE ID: Remotes-2			
LOCATION: Operate up to 1000 ESAA terminals (.62m) CONUS, TERR., INTERNATIONAL WATERS			
ANTENNA ID: B	0.62 meters	TECOM	Ku-Stream
14050.0000 - 14470.0000 MHz	1M60G7D	41.30 dBW	QPSK or octal PSK
14050.0000 - 14470.0000 MHz	3M20G7D	43.30 dBW	QPSK or octal PSK
11700.0000 - 12200.0000 MHz	36M0G7D		QPSK or octal PSK
11450.0000 - 12200.0000 MHz	36M0G7D		QPSK or octal PSK
12250.0000 - 12750.0000 MHz	36M0G7D		QPSK OR OCTAL PSK
14050.0000 - 14470.0000 MHz	6M40G7D	43.80 dBW	QPSK OR OCTAL PSK
14050.0000 - 14470.0000 MHz	1M60G7D	38.80 dBW	QPSK OR OCTAL PSK
14050.0000 - 14470.0000 MHz	3M20G7D	43.80 dBW	QPSK OR OCTAL PSK
11450.0000 - 11700.0000 MHz	36M0G7D		QPSK OR OCTAL PSK
10950.0000 - 11200.0000 MHz	36M0G7D		QPSK OR OCTAL PSK
14050.0000 - 14470.0000 MHz	3M20G7D	41.80 dBW	QPSK OR OCTAL PSK
14050.0000 - 14470.0000 MHz	1M60G7D	36.00 dBW	QPSK OR OCTAL PSK

**Points of Communication:**

- Remotes-1 - AMC 9 (S2434) - (83 W.L.)
- Remotes-1 - HORIZONS 1 - (127 WL)
- Remotes-1 - SES-1 - (101.0 W.L.)
- Remotes-2 - AMC 2 - (80.85 W.L.)
- Remotes-2 - AMC 3 - (67 W.L.)
- Remotes-2 - AMC 9 (S2434) - (83 W.L.)
- Remotes-2 - ESTRELA DO SUL 2 - (63 W.L.)
- Remotes-2 - EUTELSAT 115 (S2589) - (114.9 W.L.)
- Remotes-2 - EUTELSAT 117 (S2873) - (116.8 W.L.)
- Remotes-2 - HORIZONS 1 - (127 WL)
- Remotes-2 - INTELSAT 19 (S2850) - (166.0 E.L.)

Remotes-2 - SES-1 - (101.0 W.L.)

Remotes-2 - SES-6 (S2870) - (40.5 W.L.)

Remotes-2 - TELSTAR 11N (S2357) - (37.5 W.L.)

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**SES-MFS-20150605-00323** E E100051 LightSquared Subsidiary LLC, Debtor-in-Possession  
Modification 06/25/2010 - 06/25/2025  
Grant of Authority Date Effective: 09/16/2015

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Mobile Satellite Service

On September 16, 2015, the Satellite Division granted the application of LightSquared Subsidiary LLC, Debtor-in-Possession, to communicate with the Canadian-licensed MSAT-1 mobile-satellite-service space station using L-band frequencies following its relocation from the 106.5° W.L. orbital location to the 107.5° W.L. orbital location.

SITE ID: SCMS 1

LOCATION: 21091 FM 507, Cameron, Harlingen, TX

26 ° 15 ' 11.00 " N LAT.

97 ° 39 ' 39.00 " W LONG.

ANTENNA ID:	M1	0.76 meters	Westinghouse	AU-10FS
	1626.5000 - 1660.5000 MHz	N0N	16.50 dBW	Unmodulated signal
	1626.5000 - 1660.5000 MHz	5K00G9W	16.50 dBW	4800 bps QPSK data carrier
	1525.0000 - 1559.0000 MHz	5K00G9W	0.00 dBW	4800 bps QPSK data carrier

SITE ID: SCMS 2

LOCATION: 3877 University Drive, Anchorage Borough, Anchorage, AK

61 ° 11 ' 26.00 " N LAT.

149 ° 48 ' 30.00 " W LONG.

ANTENNA ID:	M2	0.76 meters	Westinghouse	AU-10FS
	1626.5000 - 1660.5000 MHz	5K00G9W	16.50 dBW	4800 bps QPSK data carrier
	1626.5000 - 1660.5000 MHz	N0N	16.50 dBW	Unmodulated signal
	1525.0000 - 1559.0000 MHz	5K00G9W	0.00 dBW	4800 bps QPSK data carrier

SITE ID: SCMS 4

LOCATION: 10802 Parkridge Boulevard, Fairfax, Reston, VA

38 ° 56 ' 42.00 " N LAT.

77 ° 19 ' 9.00 " W LONG.

ANTENNA ID:	M4	0.76 meters	Westinghouse	AU-10FS
	1626.5000 - 1660.5000 MHz	N0N	16.50 dBW	Unmodulated signal
	1626.5000 - 1660.5000 MHz	5K00G9W	16.50 dBW	4800 bps QPSK data carrier

1525.0000 - 1559.0000 MHz	5K00G9W	0.00 dBW	4800 bps QPSK data carrier
SITE ID: SCMS 5			
LOCATION: AVE. 167 KM. 18.9, 0, BAYAMON, PR			
18 ° 22 ' 7.80 " N LAT.		66 ° 11 ' 1.37 " W LONG.	
ANTENNA ID: M5	0.76 meters	WESTINGHOUSE	AU-10FS
1626.5000 - 1660.5000 MHz	NON	16.50 dBW	UNMODULATED SIGNAL
1626.5000 - 1660.5000 MHz	5K00G9W	16.50 dBW	4800 BPS QPSK DATA CARRIER
1525.0000 - 1559.0000 MHz	5K00G9W		4800 BPS QPSK DATA CARRIER

SITE ID: SCMS 6			
LOCATION: 4600 AIR WAY, SAN DIEGO, SAN DIEGO, CA			
32 ° 43 ' 10.42 " N LAT.		117 ° 5 ' 42.53 " W LONG.	
ANTENNA ID: M6	0.76 meters	WESTINGHOUSE	AU-10FS
1626.5000 - 1660.5000 MHz	NON	16.50 dBW	UNMODULATED SIGNAL
1525.0000 - 1559.0000 MHz	5K00G9W		4800 BPS QPSK DATA CARRIER

SITE ID: SCMS 8			
LOCATION: 777 WESTAR LANE, Dallas, CEDAR HILL, TX			
32 ° 34 ' 43.30 " N LAT.		96 ° 59 ' 0.10 " W LONG.	
ANTENNA ID: M3	0.84 meters	Mitsubishi	AU601B

**Points of Communication:**

- SCMS 1 - MSAT-1 - (107.5)
- SCMS 1 - MSAT-2 - (101.3 W.L.)
- SCMS 1 - SKYTERRA 1 - (101.3 W.L.)
- SCMS 2 - MSAT-1 - (107.5)
- SCMS 2 - MSAT-2 - (101.3 W.L.)
- SCMS 2 - SKYTERRA 1 - (101.3 W.L.)
- SCMS 4 - MSAT-1 - (107.5)
- SCMS 4 - MSAT-2 - (101.3 W.L.)
- SCMS 4 - SKYTERRA 1 - (101.3 W.L.)
- SCMS 5 - MSAT-1 - (107.5)
- SCMS 5 - MSAT-2 - (101.3 W.L.)

SCMS 5 - SKYTERRA 1 - (101.3 W.L.)

SCMS 6 - MSAT-1 - (107.5)

SCMS 6 - MSAT-2 - (101.3 W.L.)

SCMS 6 - SKYTERRA 1 - (101.3 W.L.)

SCMS 8 - MSAT-1 - (107.5)

SCMS 8 - MSAT-2 - (103.3 W)

SCMS 8 - SKYTERRA 1 - (101.3 W.L.)

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**SES-MFS-20150605-00324** E E080030 LightSquared Subsidiary LLC, Debtor-in-Possession  
Modification 10/27/2008 - 10/27/2023  
Grant of Authority Date Effective: 09/16/2015

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service, Mobile Satellite Service

On September 16, 2015, the Satellite Division granted the application of LightSquared Subsidiary LLC, Debtor-in-Possession, to communicate with the Canadian-licensed MSAT-1 mobile-satellite-service space station using L-band frequencies following its relocation from the 106.5° W.L. orbital location to the 107.5° W.L. orbital location.

**SITE ID:** Site 1  
**LOCATION:** 961 Anselmo Court, Napa, Napa, CA  
38 ° 14 ' 41.50 " N LAT. 122 ° 16 ' 47.50 " W LONG.

ANTENNA ID:	7.3M	7.3 meters	Viasat	7.3 Meter
	13248.0000 - 13250.0000 MHz		1M20G7D	82.50 dBW Digital Data Carrier
	13240.5000 - 13245.5000 MHz		N0N	82.50 dBW CW
	12780.0000 - 13140.0000 MHz		N0N	68.70 dBW CW
	12780.0000 - 13140.0000 MHz		6K00G7D	28.76 dBW Digital Data Carrier
	12780.0000 - 13140.0000 MHz		312KG7D	56.50 dBW Digital Data Carrier
	12780.0000 - 13140.0000 MHz		1M25G7D	68.70 dBW Digital Data Carrier
	12780.0000 - 13140.0000 MHz		5M00G7D	68.70 dBW Digital Data Carrier
	12750.0000 - 12752.0000 MHz		1M20G7D	82.50 dBW Digital Data Carrier
	11200.0000 - 11450.0000 MHz		312KG7D	Digital Data Carrier
	11200.0000 - 11450.0000 MHz		6K00G7D	Digital Data Carrier

11200.0000 - 11450.0000 MHz	N0N			CW
11200.0000 - 11450.0000 MHz	1M25G7D			Digital Data Carrier
11200.0000 - 11450.0000 MHz	5M00G7D			Digital Data Carrier
11200.0000 - 11205.0000 MHz	1M20G7D			Digital Data Carrier
10700.0000 - 10950.0000 MHz	312KG7D			Digital Data Carrier
10700.0000 - 10950.0000 MHz	6K00G7D			Digital Data Carrier
10700.0000 - 10950.0000 MHz	N0N			CW
10700.0000 - 10950.0000 MHz	1M25G7D			Digital Data Carrier
10700.0000 - 10950.0000 MHz	5M00G7D			Digital Data Carrier
ANTENNA ID: L-band 1	0.35 meters	Viasat		Horn antenna
1646.5000 - 1660.5000 MHz	1M25G7D	9.00 dBW		Digital Data Carrier
1646.5000 - 1660.5000 MHz	625KG7D	9.00 dBW		Digital Data Carrier
1646.5000 - 1660.5000 MHz	312KG7D	9.00 dBW		Digital Data Carrier
1626.5000 - 1645.5000 MHz	1M25G7D	9.00 dBW		Digital Data Carrier
1626.5000 - 1645.5000 MHz	625KG7D	9.00 dBW		Digital Data Carrier
1626.5000 - 1645.5000 MHz	312KG7D	9.00 dBW		Digital Data Carrier
1545.0000 - 1559.0000 MHz	1M25G7D			Digital Data Carrier
1545.0000 - 1559.0000 MHz	625KG7D			Digital Data Carrier
1545.0000 - 1559.0000 MHz	312KG7D			Digital Data Carrier
1525.0000 - 1544.0000 MHz	1M25G7D			Digital Data Carrier
1525.0000 - 1544.0000 MHz	625KG7D			Digital Data Carrier
1525.0000 - 1544.0000 MHz	312KG7D			Digital Data Carrier
ANTENNA ID: L-band 2	0.35 meters	Viasat		Horn antenna
1646.5000 - 1660.5000 MHz	1M25G7D	9.00 dBW		Digital Data Carrier
1646.5000 - 1660.5000 MHz	625KG7D	9.00 dBW		Digital Data Carrier
1646.5000 - 1660.5000 MHz	312KG7D	9.00 dBW		Digital Data Carrier

1626.5000 - 1645.5000 MHz	1M25G7D	9.00 dBW	Digital Data Carrier
1626.5000 - 1645.5000 MHz	625KG7D	9.00 dBW	Digital Data Carrier
1626.5000 - 1645.5000 MHz	312KG7D	9.00 dBW	Digital Data Carrier
1545.0000 - 1559.0000 MHz	1M25G7D		Digital Data Carrier
1545.0000 - 1559.0000 MHz	625KG7D		Digital Data Carrier
1545.0000 - 1559.0000 MHz	312KG7D		Digital Data Carrier
1525.0000 - 1544.0000 MHz	1M25G7D		Digital Data Carrier
1525.0000 - 1544.0000 MHz	625KG7D		Digital Data Carrier
1525.0000 - 1544.0000 MHz	312KG7D		Digital Data Carrier
ANTENNA ID: 11.3M - 2	11.3 meters	Viasat	11.3 Meter
13248.0000 - 13250.0000 MHz	1M20G7D	85.00 dBW	Digital Data Carrier
13240.5000 - 13245.5000 MHz	N0N	85.00 dBW	CW
12780.0000 - 13140.0000 MHz	6K00G7D	32.26 dBW	Digital Data Carrier
12780.0000 - 13140.0000 MHz	312KG7D	60.00 dBW	Digital Data Carrier
12780.0000 - 13140.0000 MHz	N0N	71.20 dBW	CW
12780.0000 - 13140.0000 MHz	1M25G7D	71.20 dBW	Digital Data Carrier
12780.0000 - 13140.0000 MHz	5M00G7D	71.20 dBW	Digital Data Carrier
12750.0000 - 12752.0000 MHz	1M20G7D	85.00 dBW	Digital Data Carrier
11200.0000 - 11450.0000 MHz	312KG7D		Digital Data Carrier
11200.0000 - 11450.0000 MHz	6K00G7D		Digital Data Carrier
11200.0000 - 11450.0000 MHz	N0N		CW
11200.0000 - 11450.0000 MHz	1M25G7D		Digital Data Carrier
11200.0000 - 11450.0000 MHz	5M00G7D		Digital Data Carrier
11200.0000 - 11205.0000 MHz	1M20G7D		Digital Data Carrier
10700.0000 - 10950.0000 MHz	312KG7D		Digital Data Carrier
10700.0000 - 10950.0000 MHz	6K00G7D		Digital Data Carrier



10700.0000 - 10950.0000 MHz	N0N		CW
10700.0000 - 10950.0000 MHz	1M25G7D		Digital Data Carrier
10700.0000 - 10950.0000 MHz	5M00G7D		Digital Data Carrier
ANTENNA ID: 11.3M -1	11.3 meters	Viasat	11.3 Meter
13248.0000 - 13250.0000 MHz	1M20G7D	85.00 dBW	Digital Data Carrier
13240.5000 - 13245.5000 MHz	N0N	85.00 dBW	CW
12780.0000 - 13140.0000 MHz	6K00G7D	32.26 dBW	Digital Data Carrier
12780.0000 - 13140.0000 MHz	312KG7D	60.00 dBW	Digital Data Carrier
12780.0000 - 13140.0000 MHz	N0N	71.20 dBW	CW
12780.0000 - 13140.0000 MHz	1M25G7D	71.20 dBW	Digital Data Carrier
12780.0000 - 13140.0000 MHz	5M00G7D	71.20 dBW	Digital Data Carrier
12750.0000 - 12752.0000 MHz	1M20G7D	85.00 dBW	Digital Data Carrier
11200.0000 - 11450.0000 MHz	312KG7D		Digital Data Carrier
11200.0000 - 11450.0000 MHz	6K00G7D		Digital Data Carrier
11200.0000 - 11450.0000 MHz	N0N		CW
11200.0000 - 11450.0000 MHz	1M25G7D		Digital Data Carrier
11200.0000 - 11450.0000 MHz	5M00G7D		Digital Data Carrier
11200.0000 - 11205.0000 MHz	1M20G7D		Digital Data Carrier
10700.0000 - 10950.0000 MHz	312KG7D		Digital Data Carrier
10700.0000 - 10950.0000 MHz	6K00G7D		Digital Data Carrier
10700.0000 - 10950.0000 MHz	N0N		CW
10700.0000 - 10950.0000 MHz	1M25G7D		Digital Data Carrier
10700.0000 - 10950.0000 MHz	5M00G7D		Digital Data Carrier

**Points of Communication:**

Site 1 - MSAT-1 - (107.5)

Site 1 - MSAT-2 - (100.95 W.L)

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Site 1 - MSV-1 - (101 W.L.)

Site 1 - SKYTERRA 1 - (101.3 W.L.)

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**SES-MFS-20150605-00325**    E E980179    LightSquared Subsidiary LLC, Debtor-in-Possession  
Modification    11/30/2009 - 11/30/2024  
Grant of Authority    Date Effective:    09/16/2015

**Class of Station:**    Mobile Earth Station

**Nature of Service:**    Mobile Satellite Service

On September 16, 2015, the Satellite Division granted the application of LightSquared Subsidiary LLC, Debtor-in-Possession, to communicate with the Canadian-licensed MSAT-1 mobile-satellite-service space station using L-band frequencies following its relocation from the 106.5° W.L. orbital location to the 107.5° W.L. orbital location.

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)

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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 - (107.5)
- 1 - MSAT-2 (AMSC-1) - (103.3 W.L.)
- 1 - SKYTERRA 1 - (101.3 W.L.)

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<b>SES-MFS-20150605-00326</b>	E E930367	LightSquared Subsidiary LLC, Debtor-in-Possession	
Modification			03/13/2005 - 03/13/2020
Grant of Authority			Date Effective: 09/16/2015

**Class of Station:** Mobile Earth Station

**Nature of Service:** Mobile Satellite Service

On September 16, 2015, the Satellite Division granted the application of LightSquared Subsidiary LLC, Debtor-in-Possession, to communicate with the Canadian-licensed MSAT-1 mobile-satellite-service space station using L-band frequencies following its relocation from the 106.5° W.L. orbital location to the 107.5° W.L. orbital location.

SITE ID: 1

LOCATION: 100,000 Full-duplex METs & "EMS" half-duplex data METs, CONUS, AK, HI, PR, V

ANTENNA ID:	A1		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	FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
	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)
	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	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	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:	A11	0.25 meters	MITSUBISHI/MELCO Omniquest	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	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	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:	A12		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	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	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:	A13		MITSUBISHI/MELCO Transportable 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	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	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:	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	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	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:	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	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	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:	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	FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
	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)
	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	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	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:	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	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	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:	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	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	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:	A2		WESTINGHOUSE/WEC Contour Dome	CD-JL01003, D-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	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	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:	A20		MITSUBISHI/MELCO DOME	AU201A, ST-211D
	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	FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
	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)
	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	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	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: 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		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
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)
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			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		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		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(0.92m)	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	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	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:	A4	0.76 meters	WESTINGHOUSE/WEC Fixed Site(0.76m)	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	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	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:	A5		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	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	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: A6	1.2 meters	WESTINGHOUSE/WEC Mult.Fixed Site		F-1000MC
	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	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	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	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	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:	A8		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	FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
	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)
	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	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	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:	D1		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		TDMA 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		TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (DH-D-data)
ANTENNA ID:	D3		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		TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (DH-D-data)
ANTENNA ID:	D4		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		TDMA 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		TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)

**Points of Communication:**

- 1 - MSAT-1 - (107.5)
- 1 - MSAT-2 (AMSC-1) - (103.3 W.L.)
- 1 - SKYTERRA 1 - (101.3 W.L.)

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**SES-MFS-20150605-00327** E E130161 LightSquared Subsidiary LLC, Debtor-in-Possession  
Modification 03/21/2014 - 03/21/2029  
Grant of Authority Date Effective: 09/16/2015

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Mobile Satellite Service

On September 16, 2015, the Satellite Division granted the application of LightSquared Subsidiary LLC, Debtor-in-Possession, to communicate with the Canadian-licensed MSAT-1 mobile-satellite-service space station using L-band frequencies following its relocation from the 106.5° W.L. orbital location to the 107.5° W.L. orbital location.

SITE ID: 1  
LOCATION: 10450 State Road 84, Broward, Davie, FL  
26 ° 6 ' 24.00 " N LAT. 80 ° 17 ' 16.00 " W LONG.

ANTENNA ID: 1	0.84 meters	Mitsubishi	AU601B
1525.0000 - 1559.0000 MHz	5K00G9W	0.00 dBW	4800 bps QPSK Data Carrier

1626.5000 - 1660.5000 MHz	5K00G9W	16.50 dBW	4800 bps QPSK Data Carrier
1626.5000 - 1660.5000 MHz	N0N	16.50 dBW	Unmodulated Signal

**Points of Communication:**

- 1 - MSAT-1 - (107.5)
- 1 - MSAT-2 (AMSC-1) - (103.3 W.L.)
- 1 - SKYTERRA 1 - (101.3 W.L.)

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**SES-MFS-20150605-00328** E E080031 LightSquared Subsidiary LLC, Debtor-in-Possession  
 Modification 10/27/2008 - 10/27/2023  
 Grant of Authority Date Effective: 09/16/2015

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service, Mobile Satellite Service

On September 16, 2015, the Satellite Division granted the application of LightSquared Subsidiary LLC, Debtor-in-Possession, to communicate with the Canadian-licensed MSAT-1 mobile-satellite-service space station using L-band frequencies following its relocation from the 106.5° W.L. orbital location to the 107.5° W.L. orbital location.

SITE ID: Site 1  
 LOCATION: 777 Westar Lane, Dallas, Cedar Hill, TX  
 32 ° 34 ' 40.80 " N LAT. 96 ° 58 ' 55.20 " W LONG.

ANTENNA ID:	11.3M - 2	11.3 meters	Viasat	11.3 Meter
	13240.5000 - 13245.5000 MHz	N0N	85.00 dBW	CW
	12780.0000 - 13140.0000 MHz	N0N	71.20 dBW	CW
	12780.0000 - 13140.0000 MHz	6K00G7D	32.26 dBW	Digital Data Carrier
	12780.0000 - 13140.0000 MHz	312KG7D	60.00 dBW	Digital Data Carrier
	12780.0000 - 13140.0000 MHz	N0N	71.20 dBW	CW
	12780.0000 - 13140.0000 MHz	N0N	71.20 dBW	CW
	11200.0000 - 11450.0000 MHz	312KG7D		Digital Data Carrier
	11200.0000 - 11450.0000 MHz	6K00G7D		Digital Data Carrier
	11200.0000 - 11450.0000 MHz	N0N		CW
	10700.0000 - 10950.0000 MHz	312KG7D		Digital Data Carrier
	10700.0000 - 10950.0000 MHz	6K00G7D		Digital Data Carrier

10700.0000 - 10950.0000 MHz	N0N		CW
10700.0000 - 10950.0000 MHz	1M25G7D		Digital Data Carrier
10700.0000 - 10950.0000 MHz	5M00G7D		Digital Data Carrier
11200.0000 - 11450.0000 MHz	1M25G7D		Digital Data Carrier
11200.0000 - 11450.0000 MHz	5M00G7D		Digital Data Carrier
12780.0000 - 13140.0000 MHz	1M25G7D	71.20 dBW	Digital Data Carrier
12780.0000 - 13140.0000 MHz	5M00G7D	71.20 dBW	Digital Data Carrier
12780.0000 - 13140.0000 MHz	1M25G7D	71.20 dBW	Digital Data Carrier
ANTENNA ID: 11.3M -1	11.3 meters	Viasat	11.3 Meter
13240.5000 - 13245.5000 MHz	N0N	85.00 dBW	CW
12780.0000 - 13140.0000 MHz	N0N	71.20 dBW	CW
12780.0000 - 13140.0000 MHz	6K00G7D	32.26 dBW	Digital Data Carrier
12780.0000 - 13140.0000 MHz	N0N	71.20 dBW	CW
12780.0000 - 13140.0000 MHz	312KG7D	60.00 dBW	Digital Data Carrier
12780.0000 - 13140.0000 MHz	N0N	71.20 dBW	CW
11200.0000 - 11450.0000 MHz	312KG7D		Digital Data Carrier
11200.0000 - 11450.0000 MHz	6K00G7D		Digital Data Carrier
11200.0000 - 11450.0000 MHz	N0N		CW
10700.0000 - 10950.0000 MHz	312KG7D		Digital Data Carrier
10700.0000 - 10950.0000 MHz	6K00G7D		Digital Data Carrier
10700.0000 - 10950.0000 MHz	N0N		CW
10700.0000 - 10950.0000 MHz	1M25G7D		Digital Data Carrier
10700.0000 - 10950.0000 MHz	5M00G7D		Digital Data Carrier
11200.0000 - 11450.0000 MHz	1M25G7D		Digital Data Carrier
11200.0000 - 11450.0000 MHz	5M00G7D		Digital Data Carrier
12780.0000 - 13140.0000 MHz	5M00G7D	71.20 dBW	Digital Data Carrier

ANTENNA ID:	7.3M	7.3 meters	Viasat		7.3 Meter
	13240.5000 - 13245.5000 MHz		N0N	82.50 dBW	CW
	12780.0000 - 13140.0000 MHz		N0N	68.70 dBW	CW
	12780.0000 - 13140.0000 MHz		N0N	68.70 dBW	CW
	12780.0000 - 13140.0000 MHz		N0N	68.70 dBW	CW
	12780.0000 - 13140.0000 MHz		6K00G7D	28.76 dBW	Digital Data Carrier
	12780.0000 - 13140.0000 MHz		312KG7D	56.50 dBW	Digital Data Carrier
	11200.0000 - 11450.0000 MHz		312KG7D		Digital Data Carrier
	11200.0000 - 11450.0000 MHz		6K00G7D		Digital Data Carrier
	11200.0000 - 11450.0000 MHz		N0N		CW
	10700.0000 - 10950.0000 MHz		312KG7D		Digital Data Carrier
	10700.0000 - 10950.0000 MHz		6K00G7D		Digital Data Carrier
	10700.0000 - 10950.0000 MHz		N0N		CW
	10700.0000 - 10950.0000 MHz		1M25G7D		Digital Data Carrier
	10700.0000 - 10950.0000 MHz		5M00G7D		Digital Data Carrier
	11200.0000 - 11450.0000 MHz		1M25G7D		Digital Data Carrier
	11200.0000 - 11450.0000 MHz		5M00G7D		Digital Data Carrier
	12780.0000 - 13140.0000 MHz		1M25G7D	68.70 dBW	Digital Data Carrier
	12780.0000 - 13140.0000 MHz		5M00G7D	68.70 dBW	Digital Data Carrier
ANTENNA ID:	L-band 1	0.35 meters	Viasat		Horn antenna
	1646.5000 - 1660.5000 MHz		1M25G7D	9.00 dBW	Digital Data Carrier
	1646.5000 - 1660.5000 MHz		625KG7D	9.00 dBW	Digital Data Carrier
	1646.5000 - 1660.5000 MHz		312KG7D	9.00 dBW	Digital Data Carrier
	1626.5000 - 1645.5000 MHz		1M25G7D	9.00 dBW	Digital Data Carrier
	1626.5000 - 1645.5000 MHz		625KG7D	9.00 dBW	Digital Data Carrier
	1626.5000 - 1645.5000 MHz		312KG7D	9.00 dBW	Digital Data Carrier

1545.0000 - 1559.0000 MHz	1M25G7D		Digital Data Carrier
1545.0000 - 1559.0000 MHz	625KG7D		Digital Data Carrier
1545.0000 - 1559.0000 MHz	312KG7D		Digital Data Carrier
1525.0000 - 1544.0000 MHz	1M25G7D		Digital Data Carrier
1525.0000 - 1544.0000 MHz	625KG7D		Digital Data Carrier
1525.0000 - 1544.0000 MHz	312KG7D		Digital Data Carrier
ANTENNA ID: L-band 2	0.35 meters	Viasat	Horn antenna
1646.5000 - 1660.5000 MHz	1M25G7D	9.00 dBW	Digital Data Carrier
1646.5000 - 1660.5000 MHz	625KG7D	9.00 dBW	Digital Data Carrier
1646.5000 - 1660.5000 MHz	312KG7D	9.00 dBW	Digital Data Carrier
1626.5000 - 1645.5000 MHz	1M25G7D	9.00 dBW	Digital Data Carrier
1626.5000 - 1645.5000 MHz	625KG7D	9.00 dBW	Digital Data Carrier
1626.5000 - 1645.5000 MHz	312KG7D	9.00 dBW	Digital Data Carrier
1545.0000 - 1559.0000 MHz	1M25G7D		Digital Data Carrier
1545.0000 - 1559.0000 MHz	625KG7D		Digital Data Carrier
1545.0000 - 1559.0000 MHz	312KG7D		Digital Data Carrier
1525.0000 - 1544.0000 MHz	1M25G7D		Digital Data Carrier
1525.0000 - 1544.0000 MHz	625KG7D		Digital Data Carrier
1525.0000 - 1544.0000 MHz	312KG7D		Digital Data Carrier

**Points of Communication:**

Site 1 - MSAT-1 - (107.5)

Site 1 - MSAT-2 - (100.95 W.L)

Site 1 - MSV-1 - (101 W.L.)

Site 1 - SKYTERRA 1 - (101.3 W.L.)

**SES-MFS-20150605-00329** E E930124

LightSquared Subsidiary LLC, Debtor-in-Possession

Modification

11/04/2004 - 11/04/2019

Grant of Authority

Date Effective: 09/16/2015

**Class of Station:** Fixed Earth Stations

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**Nature of Service:** Fixed Satellite Service, Mobile Satellite Service, Fixed Satellite Service ORB-88 Allotment Plan

On September 16, 2015, the Satellite Division granted the application of LightSquared Subsidiary LLC, Debtor-in-Possession, to communicate with the Canadian-licensed MSAT-1 mobile-satellite-service space station using L-band frequencies following its relocation from the 106.5° W.L. orbital location to the 107.5° W.L. orbital location.

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 - (107.5)
- 1 - MSAT-2 (AMSC-1) - (103.3 W.L.)
- 1 - PERMITTED LIST - ()

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**SES-MFS-20150721-00470** E E020306 EchoStar Broadcasting Corporation  
Modification 02/03/2003 - 02/03/2018  
Grant of Authority Date Effective: 09/22/2015

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Direct Broadcast Satellite Service, Other

SITE ID: GD2  
LOCATION: 801 North American Sky Blvd., Maricopa, Gilbert, AZ  
33 ° 21 ' 59.80 " N LAT. 111 ° 48 ' 52.30 " W LONG.

ANTENNA ID:	GD2	9 meters	Vertex	9M	
	17308.0000 - 17309.0000 MHz		1M50G2D	73.70 dBW	Telemetry Beacon (TT&C)

17300.0000 - 17800.0000 MHz	24M0G1F	85.78 dBW	Digital Carrier
12698.0000 - 12698.0000 MHz	300KG2D	0.00 dBW	Telemetry Beacon (TT&C)
12202.0000 - 12202.0000 MHz	300KG2D	0.00 dBW	Telemetry Beacon (TT&C)
12200.0000 - 12700.0000 MHz	24M0G1F	0.00 dBW	Digital Carrier
12200.0000 - 12200.0000 MHz	300KG2D	0.00 dBW	Telemetry Beacon (TT&C)
12200.0000 - 12210.0000 MHz	800KG2D		TT&C
12690.0000 - 12700.0000 MHz	800KG2D		TT&C
17300.0000 - 17310.0000 MHz	800KG2D	71.01 dBW	TT&C
17790.0000 - 17800.0000 MHz	800KG2D	71.01 dBW	TT&C
17300.0000 - 17800.0000 MHz	24M0G7W	85.78 dBW	Digital Video and Data

**Points of Communication:**

GD2 - ECHOSTAR 6 (S2232) - (96.2 W.L.)

GD2 - ECHOSTAR 8 - (76.85)

GD2 - ECHOSTAR/DISH - ()

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**SES-MFS-20150721-00471**    E E070273    EchoStar Broadcasting Corporation  
Modification    02/05/2008 - 02/05/2023  
Grant of Authority    Date Effective:    09/22/2015

**Class of Station:**    Fixed Earth Stations

**Nature of Service:**    Direct Broadcast Satellite Service, Other

SITE ID:    Mt. Jackson

LOCATION:    335 Dish Drive, Shenandoah, Quicksburg, VA  
38 ° 43 ' 24.30 " N LAT.

78 ° 40 ' 0.20 " W LONG.

ANTENNA ID:    VAD 1    9 meters    Vertex    9 meter

17790.0000 - 17800.0000 MHz	1M50G2D	82.96 dBW	Telecommand
17310.0000 - 17790.0000 MHz	24M0G1W	86.90 dBW	Compressed Digital Video and Data
17300.0000 - 17310.0000 MHz	1M50F3D	82.96 dBW	Ranging Tones
12690.0000 - 12700.0000 MHz	1M50F3D	0.00 dBW	Ranging Tones
12690.0000 - 12700.0000 MHz	1M50G2D	0.00 dBW	Telemetry

12210.0000 - 12690.0000 MHz	24M0G1W	0.00 dBW	Compressed Digital Video and Data
12200.0000 - 12210.0000 MHz	1M50G2D	0.00 dBW	Telemetry
12200.0000 - 12210.0000 MHz	800KG2D		TT&C
12690.0000 - 12700.0000 MHz	800KG2D		TT&C
17300.0000 - 17310.0000 MHz	800KG2D	80.20 dBW	TT&C
17790.0000 - 17800.0000 MHz	800KG2D	80.20 dBW	TT&C
12200.0000 - 12700.0000 MHz	24M0G7W		Digital data and compressed video
17300.0000 - 17800.0000 MHz	24M0G7W	86.90 dBW	Digital data and compressed video
17790.0000 - 17800.0000 MHz	1M50F3D	82.96 dBW	Ranging Tones
17300.0000 - 17310.0000 MHz	1M50G2D	82.96 dBW	Telecommand
12200.0000 - 12210.0000 MHz	1M50F3D	0.00 dBW	Ranging Tones
ANTENNA ID: VAD 3	9 meters	Vertex	9 meter
12200.0000 - 12210.0000 MHz	800KG2D		TT&C
12690.0000 - 12700.0000 MHz	800KG2D		TT&C
17300.0000 - 17310.0000 MHz	800KG2D	80.20 dBW	TT&C
17790.0000 - 17800.0000 MHz	800KG2D	80.20 dBW	TT&C
12200.0000 - 12210.0000 MHz	1M50G2D		Telemetry
12690.0000 - 12700.0000 MHz	1M50G2D		Telemetry
17300.0000 - 17310.0000 MHz	1M50G2D	82.96 dBW	Telecommand
17790.0000 - 17800.0000 MHz	1M50G2D	82.96 dBW	Telecommand
12200.0000 - 12210.0000 MHz	1M50F3D		Ranging Tones
12690.0000 - 12700.0000 MHz	1M50F3D		Ranging Tones
17300.0000 - 17310.0000 MHz	1M50F3D	82.96 dBW	Ranging Tones
17790.0000 - 17800.0000 MHz	1M50F3D	82.96 dBW	Ranging Tones
12200.0000 - 12700.0000 MHz	24M0G7W		Digital data and compressed video
12210.0000 - 12690.0000 MHz	24M0G7W		Digital data and compressed video



17300.0000 - 17800.0000 MHz	24M0G7W	86.90 dBW	Digital data and compressed video
17310.0000 - 17790.0000 MHz	24M0G7W	86.90 dBW	Digital data and compressed video

**Points of Communication:**

Mt. Jackson - EHOSTAR 6 (S2232) - (96.2 W.L.)  
 Mt. Jackson - EHOSTAR 8 - (77 W.L.)  
 Mt. Jackson - EHOSTAR/DISH - ()

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<b>SES-REG-20150807-00514</b>	E E150103	Vyvx, LLC	<b>EZ</b>
Registration			08/07/2015 - 08/07/2030
Grant of Authority			Date Effective: 09/15/2015

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 7.0  
 LOCATION: 1514 Chandler Rd W, Sarpy, Bellevue, NE  
 41 ° 11 ' 7.00 " N LAT. 95 ° 56 ' 11.00 " W LONG.

ANTENNA ID: 7.0M 7 meters Simulsat 7.0

3700.0000 - 4200.0000 MHz	36M0G7W	Digital Traffic - Various FEC, data
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**Points of Communication:**

7.0 - PERMITTED LIST - ()

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<b>SES-RWL-20110509-00564</b>	E E010132	Gannett Co., Inc.	
Renewal			07/03/2011 - 07/03/2026
Surrender of Authorization			Date Effective: 09/10/2015

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Domestic Fixed Satellite Service

License surrendered by letter filed on September 10, 2015.

SITE ID: 1  
 LOCATION: 7950 JONES BRANCH DR., FAIRFAX, MCLEAN, VA  
 38 ° 55 ' 55.00 " N LAT. 77 ° 13 ' 11.20 " W LONG.

ANTENNA ID: 1 4.6 meters Andrew Corp. ESA46-124

14000.0000 - 14500.0000 MHz	36M0F3F	74.20 dBW	FM Analog carrier used for video/voice/data.
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14000.0000 - 14500.0000 MHz	36M0G7W	68.40 dBW	Digital MCPC QPSK carrier used for video/voice/data.
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**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-STA-20150730-00481** E SES Government Solutions, Inc.

Special Temporary Authority

Grant of Authority

Date Effective: 09/15/2015

**Class of Station:**

On September 15, 2015, SES Government Solutions, Inc. was granted special temporary authority, for a period of 180 days beginning September 15, 2015 to operate a fixed earth station, in Bristow, VA with the O3b Limited NGSO satellite system (Call Sign S2935) in the 27.6-28.4 GHz and 28.6-29.1 GHz (Earth-to-space) and 17.8 -18.6 GHz and 18.8-19-3 GHz (space-to-Earth) frequency bands.

**Points of Communication:**

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**SES-STA-20150828-00558** E KA265 Intelsat License LLC

Special Temporary Authority

Grant of Authority

Date Effective: 09/15/2015

**Class of Station:**

On September 15, 2015, Intelsat License, LLC was granted special temporary authority for a period of 30 days beginning September 15, 2015, to continue to operate its fixed earth station in Paumalu, HI, to provide launch and early orbit phase (LEOP) services for the Eutelsat-115WB satellite, licensed by Mexico, as it proceeds to the 114.9° W.L. orbital location, using the following center frequencies: 6421.5 MHz and 6423.5 MHz (Earth-to-space), and 4199 MHz and 4199.8 MHz (space-to-Earth).

**Points of Communication:**

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**SES-STA-20150828-00559** E E000363 Intelsat License LLC

Special Temporary Authority

Grant of Authority

Date Effective: 09/15/2015

**Class of Station:**

On September 15, 2015, Intelsat License, LLC was granted special temporary authority for a period of 30 days beginning September 15, 2015, to operate its fixed earth station in Fillmore, CA, to provide launch and early orbit phase (LEOP) services for the Eutelsat-115WB satellite, licensed by Mexico, as it proceeds to the 114.9°W.L orbital location, using the following center frequencies: 6421.5 MHz and 6423.5 MHz (Earth-to-space) and 4199 MHz and 4199.8 MHz (space-to-Earth).

**Points of Communication:**

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**SES-STA-20150831-00562** E E120072 ISAT US Inc.

Special Temporary Authority

Grant of Authority

Date Effective: 09/16/2015

**Class of Station:**

On September 16, 2015, ISAT US Inc. was granted special temporary authority for a period of 30 days beginning September 16, 2015, to operate two earth station user terminal antennas to facilitate the Over-the-air Site Acceptance Testing ("OSAT") of the Inmarsat Global Xpress Ka-band frequency network components using the Inmarsat 5 F2 satellite at the 55° W.L. orbital location, in the 29.5-30.0 GHz (Earth-to-space), and 19.7-20.2 GHz (space-to Earth) frequency bands.

**Points of Communication:**

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**SES-STA-20150911-00580** E E4132 Intelsat License LLC

Special Temporary Authority  
Grant of Authority

Date Effective: 09/16/2015

**Class of Station:**

On September 16, 2015, Intelsat License LLC was granted special temporary authority, for a period of 30 days, beginning September 19, 2015, to continue to use its fixed earth station in Fillmore, CA, to provide: (1) launch and early orbit phase (LEOP) services for the Intelsat 34 satellite; (2) telemetry, tracking, and command (TT&C) during in-orbit testing ("IOT") at 51.5° W.L; and (3) TT&C during the drift of Intelsat 34 to the 55.5° W.L. orbital location. All operations will be on the following center frequencies: 6173.70 MHz and 6176.30 MHz (Earth-to-space) and 3949.0 MHz, 3949.50 MHz, 3950.50 MHz, and 3951.0 MHz (space-to-Earth).

**Points of Communication:**

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**SES-STA-20150911-00581** E E040125 Intelsat Satellite LLC

Special Temporary Authority  
Grant of Authority

Date Effective: 09/16/2015

**Class of Station:**

On September 16, 2015, Intelsat License LLC was granted special temporary authority, for a period of 30 days, beginning September 19, 2015, to continue to use its fixed earth station in Riverside, CA, to provide: (1) launch and early orbit phase (LEOP) services for the Intelsat 34 satellite; (2) telemetry, tracking, and command (TT&C) during in-orbit testing (IOT) at 51.5° W.L; and (3) TT&C during the drift of Intelsat 34 to the 55.5° W.L. orbital location. All operations will be on the following center frequencies: 6173.70 MHz and 6176.30 MHz (Earth-to-space) and 3949 MHz, 3949.50 MHz, 3950.50 MHz, and 3951 MHz (space-to-Earth).

**Points of Communication:**

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**SES-STA-20150911-00582** E KA275 Intelsat License LLC

Special Temporary Authority  
Grant of Authority

Date Effective: 09/16/2015

**Class of Station:**

On September 16, 2015, Intelsat License, LLC was granted special temporary authority for a period of 30 days, beginning September 19, 2015, to continue to operate its fixed earth station in Hagerstown, MD, to provide: (1) launch and early orbit phase (LEOP) services for the Intelsat 34 satellite; (2) telemetry, tracking, and command (TT&C) during in-orbit testing (IOT) at 51.5° W.L; and (3) TT&C during the drift of Intelsat 34 to the 55.5° W.L. orbital location. All operations will be on the following center frequencies: 6173.70 MHz and 6176.30 MHz (Earth-to-space) and 3949.0 MHz, 3949.50 MHz, 3950.50 MHz, and 3951.0 MHz (space-to-Earth).

**Points of Communication:**

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**SES-STA-20150916-00587** E E010011 Deere & Company

Special Temporary Authority  
Grant of Authority

Date Effective: 09/18/2015

**Class of Station:**

On September 18, 2015, Deere & Company was granted special temporary authority, for a period of 60 days beginning September 18, 2015, to continue to operate earth stations currently authorized under this call sign with INMARSAT 3F2 at the 15.5 W.L. orbital location and INMARSAT 3F3 at the 178 E.L orbital location on the center frequency 1545.9875 MHz (space-to-Earth) and INMARSAT 3F4 at the 54 W.L. orbital location on the center frequency 1545.9775 MHz (space-to-Earth).

**Points of Communication:**

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**SURRENDER**

**SES-REG-20111020-01235**      E110145      Google Fiber Inc.

License surrendered by letter filed on September 14, 2015.

**SES-RWL-20020710-01061**      E920429      KAAL-TV, LLC

License surrendered by letter filed on September 21, 2015.

**SES-RWL-20050525-00650**      E950369      Carol Sue Rutherford

License surrendered by letter filed on September 22, 2015.

**SES-RWL-20050525-00651**      E950368      Carol Sue Rutherford

License surrendered by letter filed on September 22, 2015.

**SES-RWL-20060725-01251**      E960493      Carol Sue Rutherford

License surrendered by letter filed on September 22, 2015.

**SES-RWL-20090805-00964**      E890695      WNYT-TV, LLC

License surrendered by letter filed on September 21, 2015.

**SES-RWL-20110523-00613**      E910288      KDBC Licensee, LLC

License surrendered by letter filed on September 17, 2015.

**SES-RWL-20111020-01237**      E010291      Carol Sue Rutherford

License surrendered by letter filed on September 22, 2015.

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