



# PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION  
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Report No. SES-01769

Wednesday July 29, 2015

## Satellite Communications Services re: Satellite Radio Applications Accepted For Filing

The applications listed herein have been found, upon initial review, to be acceptable for filing. The Commission reserves the right to return any of the applications if, upon further examination, it is determined they are defective and not in conformance with the Commission's Rules and Regulations and its Policies. Final action will not be taken on any of these applications earlier than 30 days following the date of this notice. 47 U.S.C. § 309(b). All applications accepted for filing will be assigned call signs, or other unique station identifiers. However, these assignments are for administrative purposes only and do not in any way prejudice Commission action.

SES-LIC-20150604-00322 E E150074 BFI Licenses, LLC

Application for Authority

**Class of Station:** Temporary Fixed Earth Station

**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: Various, Various

0° 0' 0.00" N LAT.

0° 0' 0.00" W LONG.

ANTENNA ID:	2	2.4 meters	GIGASAT LTD	FA-240/60CP
	5925.0000 - 6425.0000 MHz		36M0G7W 68.53 dBW	One 36 Mbit MCPC digital carrier for voice/data
	5925.0000 - 6425.0000 MHz		36M0F8W 68.53 dBW	One wideband 36 MHz frequency modulation video carrier with associated audio and ATIS subcarriers.
ANTENNA ID:	1	2.4 meters	GIGASAT LTD	FA-240/140L
	14000.0000 - 14500.0000 MHz		36M0G7W 74.54 dBW	One 36 Mbit MCPC digital carrier for voice/data
	14000.0000 - 14500.0000 MHz		36M0F8W 75.02 dBW	One wideband 36 MHz frequency modulation video carrier with associated audio and ATIS subcarriers.

### Points of Communication:

1 - PERMITTED LIST - ()

Modification

**Class of Station:** Earth Stations on-board Vessels/VSAT

**Nature of Service:** Earth Stations on-board Vessels, Fixed Satellite Service

Airbus DS SatCom Government, Inc., requests modification of its ESV authorization to: 1) convert it to a non-common carrier authorization, 2) replace Antenna ID 4006 with Antenna ID 4006/09/10, and 3) add Antenna IDs INTV60G, INTV80G, SEAT3612, SEAT3612, SEAT4012, 5009/10/12, and 9797/9711. All new Antenna IDs will communicate with Permitted List satellites in the 14.0-14.5 GHz (Earth-to-space) and 11.7-12.2 GHz (Space-to-Earth) frequency bands.

SITE ID: ESV/4996T

LOCATION: Operate up to 550 remotes (1.2M), CONUS

ANTENNA ID:	4996T	1.2 meters	SEATEL	4996T
	14000.0000 - 14500.0000 MHz		1M43G1W 51.10 dBW	SCPC USING QPSK AND BPSK MODULATION
	14000.0000 - 14500.0000 MHz		44K8G1W 36.10 dBW	SCPC USING QPSK AND BPSK MODULATION
	14000.0000 - 14500.0000 MHz		717KG1W 48.10 dBW	SCPC USING QPSK AND BPSK MODULATION
	14000.0000 - 14500.0000 MHz		89K6G1W 39.10 dBW	SCPC USING QPSK AND BPSK MODULATION
	11450.0000 - 12200.0000 MHz		1M43G1W	SCPC USING QPSK AND BPSK MODULATION
	11450.0000 - 12200.0000 MHz		44K8G1W	SCPC USING QPSK AND BPSK MODULATION
	11450.0000 - 12200.0000 MHz		717KG1W	SCPC USING QPSK AND BPSK MODULATION
	11450.0000 - 12200.0000 MHz		89K6G1W	SCPC USING QPSK AND BPSK MODULATION
	10950.0000 - 11200.0000 MHz		1M43G1W	SCPC USING QPSK AND BPSK MODULATION
	10950.0000 - 11200.0000 MHz		44K8G1W	SCPC USING QPSK AND BPSK MODULATION
	10950.0000 - 11200.0000 MHz		717KG1W	SCPC USING QPSK AND BPSK MODULATION
	10950.0000 - 11200.0000 MHz		89K6G1W	SCPC USING QPSK AND BPSK MODULATION

SITE ID: Remote 1.2m AVL

LOCATION: 1000 (1.2M ANTENNAS), CONUS

ANTENNA ID:	AVL 1.2M.	1.2 meters	AVL	1.2M Ku-band
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14000.0000 - 14500.0000 MHz	1M55G7W	55.10 dBW	DIGITAL AUDIO, VIDEO AND DATA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	388KG7W	49.10 dBW	DIGITAL AUDIO, VIDEO AND DATA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	3M10G7W	58.10 dBW	DIGITAL AUDIO, VIDEO AND DATA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	64K0G7W	41.30 dBW	DIGITAL AUDIO, VIDEO AND DATA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	776KG7W	52.10 dBW	DIGITAL AUDIO, VIDEO AND DATA USING QPSK AND BPSK MODULATION
11700.0000 - 12200.0000 MHz	45M0G7W		DIGITAL AUDIO, VIDEO AND DATA USING QPSK AND BPSK MODULATION
11700.0000 - 12200.0000 MHz	64K0G7W		DIGITAL AUDIO, VIDEO AND DATA USING QPSK AND BPSK MODULATION
11450.0000 - 11700.0000 MHz	45M0G7W		DIGITAL AUDIO, VIDEO AND DATA USING QPSK AND BPSK MODULATION
11450.0000 - 11700.0000 MHz	64K0G7W		DIGITAL AUDIO, VIDEO AND DATA USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	45M0G7W		DIGITAL AUDIO, VIDEO AND DATA USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	64K0G7W		DIGITAL AUDIO, VIDEO AND DATA USING QPSK AND BPSK MODULATION

SITE ID:        ESV/V110  
LOCATION:        500 (1.05M ANTENNAS) CONUS

ANTENNA ID:   V1110                   1.05 meters       INTELLIAN                                   V110

14000.0000 - 14500.0000 MHz	194KG7W	42.40 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	1M16G7W	49.80 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	1M36G7W	49.80 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION

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14000.0000 - 14500.0000 MHz	1M55G7W	49.80 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	291KG7W	44.10 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	388KG7W	45.40 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	44K8G1W	36.00 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	485KG7W	46.30 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	582KG7W	47.10 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	64K0G7W	37.50 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	679KG7W	47.80 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	717KG1W	48.00 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	776KG7W	48.40 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	89K6G1W	39.00 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	970KG7W	49.30 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	97K0G7W	39.30 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	151KG7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	2M60G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	44K8G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	54M0G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	717KG1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	89K6G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION

10950.0000 - 11200.0000 MHz	151KG7W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	2M60G7W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	44K8G1W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	54M0G7W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	717KG1W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	89K6G1W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION

SITE ID: REMOTE 1  
LOCATION: 1,000 (1.2M ANTENNAS) CONUS

ANTENNA ID: 1.2M. 1.2 meters ANDREW 123/124

SITE ID: REMOTE 3 (2.4M)  
LOCATION: 500 (2.4M ANTENNAS) CONUS

ANTENNA ID: 2.4M. 2.4 meters ANDREW 243

14000.0000 - 14500.0000 MHz	169KG7W	61.20 dBW	DIGITAL AUDIO, VIDEO, AND DATA
14000.0000 - 14500.0000 MHz	1M62G7W	61.20 dBW	DIGITAL AUDIO, VIDEO, AND DATA
11700.0000 - 12200.0000 MHz	3M00G7W		DIGITAL AUDIO, VIDEO, AND DATA
11700.0000 - 12200.0000 MHz	54M0G7W		DIGITAL AUDIO, VIDEO, AND DATA

SITE ID: REMOTE .75 M  
LOCATION: 100 (.75 M antennas) CONUS

ANTENNA ID: .75M. 0.75 meters VISIOSAT VISIOSAT 75

14000.0000 - 14500.0000 MHz	1M52G7W	49.50 dBW	DIGITAL AUDIO, VIDEO, AND DATA
14000.0000 - 14500.0000 MHz	342KG7W	43.00 dBW	DIGITAL AUDIO, VIDEO, AND DATA
11700.0000 - 12200.0000 MHz	3M00G7W		DIGITAL AUDIO, VIDEO, AND DATA
11700.0000 - 12200.0000 MHz	54M0G7W		DIGITAL AUDIO, VIDEO, AND DATA

SITE ID: REMOTE .90 M  
LOCATION: 250 (.90 M antennas) CONUS

ANTENNA ID: .90M. 0.9 meters VISIOSAT VISIOSAT 90

14000.0000 - 14500.0000 MHz	1M52G7W	50.60 dBW	DIGITAL AUDIO, VIDEO, AND DATA
14000.0000 - 14500.0000 MHz	342KG7W	44.10 dBW	DIGITAL AUDIO, VIDEO, AND DATA
11700.0000 - 12200.0000 MHz	3M00G7W		DIGITAL AUDIO, VIDEO, AND DATA
11700.0000 - 12200.0000 MHz	54M0G7W		DIGITAL AUDIO, VIDEO, AND DATA

SITE ID: REMOTE .96 M  
LOCATION: 500 (.96 M antennas) CONUS

ANTENNA ID: .96M.	0.96 meters	ANDREW	TYPE 960
14000.0000 - 14500.0000 MHz	1M52G7W	51.70 dBW	DIGITAL AUDIO, VIDEO, AND DATA
14000.0000 - 14500.0000 MHz	342KG7W	45.20 dBW	DIGITAL AUDIO, VIDEO, AND DATA
11700.0000 - 12200.0000 MHz	3M00G7W		DIGITAL AUDIO, VIDEO, AND DATA
11700.0000 - 12200.0000 MHz	54M0G7W		DIGITAL AUDIO, VIDEO, AND DATA

SITE ID: ESV/4003A  
LOCATION: Operate up to 550 remotes (1.0M), CONUS

ANTENNA ID: 4003A	1 meters	SEATEL	4003A
14000.0000 - 14500.0000 MHz	44K8G1W	34.40 dBW	SPCP USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	538KG1W	45.20 dBW	SPCP USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	89K6G1W	37.40 dBW	SPCP USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	227KG7W	41.50 dBW	TDM/TDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	340KG7W	43.20 dBW	TDM/TDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	378KG7W	43.60 dBW	TDM/TDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	454KG7W	44.50 dBW	TDM/TDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	908KG7W	45.80 dBW	TDM/TDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	1M40G7W	45.80 dBW	DVB/MFTDMA USING QPSK AND BPSK MODULATION

14000.0000 - 14500.0000 MHz	316KG7W	42.80 dBW	DVB/MFTDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	607KG7W	45.70 dBW	DVB/MFTDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	378KG7W	43.60 dBW	TDM/TDMA USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	151KG7W		TDM/TDMA USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	44K8G1W		SPCP USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	717KG1W		SPCP USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	89K6G1W		SPCP USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	54M0G7W		TDM/TDMA USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	2M60G7W		DVB/MFTDMA USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	54M0G7W		DVB/MFTDMA USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	44K8G1W		SPCP USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	717KG1W		SPCP USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	89K6G1W		SPCP USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	54M0G7W		TDM/TDMA USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	151KG7W		TDM/TDMA USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	2M60G7W		DVB/MFTDMA USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	54M0G7W		DVB/MFTDMA USING QPSK AND BPSK MODULATION

SITE ID: (Ku) ESVREMOTE .75M  
LOCATION: Operate up to 500 remotes (.75M) US Internation water

ANTENNA ID: STLUSAT30 0.75 meters SEA TEL USAT-30

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14000.0000 - 14500.0000 MHz	768KG7W	40.20 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	768KG1W	40.20 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	512KG7W	38.50 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	512KG1W	38.50 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	4M10G7W	47.30 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	4M10G1W	47.30 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	3M58G7W	46.90 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	3M58G1W	46.90 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	3M07G7W	46.30 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	3M07G1W	46.30 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	2M56G7W	45.50 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	2M56G1W	45.50 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	2M05G7W	44.50 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	2M05G1W	44.50 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	256KG7W	35.50 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	256KG1W	35.50 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	1M79G7W	43.90 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	1M79G1W	43.90 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	1M54G7W	43.20 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION



14000.0000 - 14500.0000 MHz	1M54G1W	43.20 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	1M28G7W	42.50 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	1M28G1W	42.50 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	1M02G7W	41.50 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	1M02G1W	41.50 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	128KG7W	32.50 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	128KG1W	32.50 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	45M0G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	45M0G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	1M00G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	1M00G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	45M0G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	45M0G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	1M00G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	1M00G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION

SITE ID: (Ku) ESV TTSAIL900  
LOCATION: Operate up to 500 remotes (1.0M) US Internation water

ANTENNA ID:	T&TSAIL900	1 meters	THRANE & THRANE	TT-7090A
14000.0000 - 14500.0000 MHz	97K0G7W	39.70 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION	
14000.0000 - 14500.0000 MHz	89K6G1W	39.40 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION	

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14000.0000 - 14500.0000 MHz	81K0G7W	39.00 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	717KG1W	48.40 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	452KG7W	46.40 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	44K8G1W	36.40 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	445KG7W	46.40 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	388KG7W	45.80 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	2M35G1W	53.40 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	291KG7W	44.50 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	1M43G1W	51.40 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	194KG7W	42.80 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	151KG7W	41.70 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	89K6G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	81K0G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	717KG1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	54M0G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	44K8G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	2M35G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	1M43G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	89K6G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION

10950.0000 - 11200.0000 MHz	81K0G7W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	717KG1W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	54M0G7W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	44K8G1W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	2M35G1W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	1M43G1W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION

SITE ID: (C-ba) ESV9707/97/11  
LOCATION: Operate up to 500 remotes (2.4M) US Internation water

ANTENNA ID: C-ba 2.4M.	2.4 meters	SEA TEL	9707/9797/9711
5925.0000 - 6425.0000 MHz	44K8G7W	49.50 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
5925.0000 - 6425.0000 MHz	44K8G1W	49.50 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
5925.0000 - 6425.0000 MHz	15M0G7W	60.95 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
5925.0000 - 6425.0000 MHz	15M0G1W	60.95 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
3700.0000 - 4200.0000 MHz	54M0G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
3700.0000 - 4200.0000 MHz	54M0G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
3700.0000 - 4200.0000 MHz	44K8G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
3700.0000 - 4200.0000 MHz	44K8G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION

SITE ID: ESV/INTV240  
LOCATION: Operate up to 500 remotes (2.4M) US Internation water

ANTENNA ID: INT V240	2.4 meters	INTELLIAN	V240
5925.0000 - 6425.0000 MHz	44K8G7W	49.50 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION

5925.0000 - 6425.0000 MHz	44K8G1W	49.50 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
5925.0000 - 6425.0000 MHz	15M0G7W	60.70 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
5925.0000 - 6425.0000 MHz	15M0G1W	60.70 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
3700.0000 - 4200.0000 MHz	54M0G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
3700.0000 - 4200.0000 MHz	54M0G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
3700.0000 - 4200.0000 MHz	44K8G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
3700.0000 - 4200.0000 MHz	44K8G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION

SITE ID:        ESV/9711QOR-C  
LOCATION:        Operate up to 500 remotes (2.4M C-BAND) US Internation water

ANTENNA ID:	9711QOR-C	2.4 meters	SEA TEL	9711QOR-C
5925.0000 - 6425.0000 MHz	44K8G7W	49.50 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION	
5925.0000 - 6425.0000 MHz	44K8G1W	49.50 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION	
5925.0000 - 6425.0000 MHz	15M0G7W	60.95 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION	
5925.0000 - 6425.0000 MHz	15M0G1W	60.95 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION	
3700.0000 - 4200.0000 MHz	54M0G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION	
3700.0000 - 4200.0000 MHz	54M0G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION	
3700.0000 - 4200.0000 MHz	44K8G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION	
3700.0000 - 4200.0000 MHz	44K8G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION	

SITE ID:        ESV/9711QOR-KU  
LOCATION:        Operate up to 500 remotes (1.2M KU-BAND) US Internation water

ANTENNA ID:	9711QORKU	1.2 meters	SEA TEL	9711QOR-KU
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14000.0000 - 14500.0000 MHz	8M00G7W	56.26 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	8M00G1W	56.26 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	44K8G7W	39.50 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	44K8G1W	39.50 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	54M0G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	54M0G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	44K8G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	44K8G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	54M0G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	54M0G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	44K8G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	44K8G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION

SITE ID:        ESV/INTV100KU  
LOCATION:        Operate up to 500 remotes (1.06M KU-BAND) US Internation water

ANTENNA ID:	INTV100KU	1.06 meters	INTELLIAN	V100
14000.0000 - 14500.0000 MHz	5M00G7W	52.60 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION	
14000.0000 - 14500.0000 MHz	5M00G1W	52.60 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION	
14000.0000 - 14500.0000 MHz	44K8G7W	37.10 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION	
14000.0000 - 14500.0000 MHz	44K8G1W	37.10 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION	
11450.0000 - 12200.0000 MHz	54M0G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION	

11450.0000 - 12200.0000 MHz	54M0G1W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	44K8G7W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	44K8G1W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	54M0G7W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	54M0G1W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	44K8G7W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	44K8G1W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION

SITE ID:        ESV/INTV130KU  
LOCATION:       Operate up to 500 remotes (1.25M KU-BAND) US Internation water

ANTENNA ID:	INTV130KU	1.25 meters	INTELLIAN	V130
14000.0000 - 14500.0000 MHz	8M00G7W	54.40 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION	
14000.0000 - 14500.0000 MHz	8M00G1W	54.40 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION	
14000.0000 - 14500.0000 MHz	44K8G7W	39.70 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION	
14000.0000 - 14500.0000 MHz	44K8G1W	39.70 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION	
11450.0000 - 12200.0000 MHz	54M0G7W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION		
11450.0000 - 12200.0000 MHz	54M0G1W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION		
11450.0000 - 12200.0000 MHz	44K8G7W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION		
11450.0000 - 12200.0000 MHz	44K8G1W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION		
10950.0000 - 11200.0000 MHz	54M0G7W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION		
10950.0000 - 11200.0000 MHz	54M0G1W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION		

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10950.0000 - 11200.0000 MHz	44K8G7W			DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
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10950.0000 - 11200.0000 MHz	44K8G1W			DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
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SITE ID:        ESV/MIT/MVA60KU  
LOCATION:       Operate up to 500 remotes (0.6M KU-BAND) US Internation water

ANTENNA ID:	MITMVA60K	0.6 meters		MITSUBISHI		MVA60
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14000.0000 - 14500.0000 MHz	44K8G7W	34.93 dBW		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
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14000.0000 - 14500.0000 MHz	44K8G1W	34.93 dBW		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
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14000.0000 - 14500.0000 MHz	1M10G7W	46.34 dBW		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
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14000.0000 - 14500.0000 MHz	1M10G1W	46.34 dBW		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
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11450.0000 - 12200.0000 MHz	54M0G7W			DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
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11450.0000 - 12200.0000 MHz	54M0G1W			DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
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11450.0000 - 12200.0000 MHz	44K8G7W			DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
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11450.0000 - 12200.0000 MHz	44K8G1W			DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
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10950.0000 - 11200.0000 MHz	54M0G7W			DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
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10950.0000 - 11200.0000 MHz	54M0G1W			DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
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10950.0000 - 11200.0000 MHz	44K8G7W			DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
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10950.0000 - 11200.0000 MHz	44K8G1W			DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
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SITE ID:        ESV/MIT/MVA120KU  
LOCATION:       Operate up to 500 remotes (1.2M KU-BAND) US Internation water

ANTENNA ID:	MITMVA12K	1.2 meters		MITSUBISHI		MVA120
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14000.0000 - 14500.0000 MHz	8M00G7W	55.72 dBW		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
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14000.0000 - 14500.0000 MHz	8M00G1W	55.72 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	44K8G7W	44.22 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	44K8G1W	44.22 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	54M0G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	54M0G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	44K8G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	44K8G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	54M0G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	54M0G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	44K8G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	44K8G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION

SITE ID: REMOTE 2  
LOCATION: 1,000 (1.8M ANTENNAS) CONUS

ANTENNA ID: 1.8M. 1.8 meters ANDREW 183

14000.0000 - 14500.0000 MHz	169KG7W	58.50 dBW	DIGITAL AUDIO, VIDEO, AND DATA
14000.0000 - 14500.0000 MHz	1M62G7W	58.50 dBW	DIGITAL AUDIO, VIDEO, AND DATA
11700.0000 - 12200.0000 MHz	3M00G7W		DIGITAL AUDIO, VIDEO, AND DATA
11700.0000 - 12200.0000 MHz	54M0G7W		DIGITAL AUDIO, VIDEO, AND DATA

SITE ID: Hub 1.2M(Ku)  
LOCATION: 2120 River Road, New Haven, Southbury, CT  
41 ° 27 ' 6.30 " N LAT. 73 ° 17 ' 16.40 " W LONG.

ANTENNA ID: (Hub)1.2M. 1.2 meters PRODELIN 1123

14000.0000 - 14500.0000 MHz	36M0G7W	63.30 dBW	DIGITAL AUDIO, VIDEO, AND DATA
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14000.0000 - 14500.0000 MHz	64K0G7W	41.30 dBW	DIGITAL AUDIO, VIDEO, AND DATA
14000.0000 - 14500.0000 MHz	169KG7W	55.30 dBW	DIGITAL AUDIO, VIDEO, AND DATA
14000.0000 - 14500.0000 MHz	1M62G7W	55.30 dBW	DIGITAL AUDIO, VIDEO, AND DATA
11700.0000 - 12200.0000 MHz	36M0G7W		DIGITAL AUDIO, VIDEO, AND DATA
11700.0000 - 12200.0000 MHz	64K0G7W		DIGITAL AUDIO, VIDEO, AND DATA
11700.0000 - 12200.0000 MHz	54M0G7W		DIGITAL AUDIO, VIDEO, AND DATA
11700.0000 - 12200.0000 MHz	3M00G7W		DIGITAL AUDIO, VIDEO, AND DATA

SITE ID: (Ku) ESV REMOTE900B  
LOCATION: 500 (1.0M. SAILOR 900B), US Internation water

ANTENNA ID:	SAILOR900B	1 meters	THRANE & THRANE	TT-7090B SAILOR 900B
14000.0000 - 14500.0000 MHz	5M00G7W	49.80 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION	
14000.0000 - 14500.0000 MHz	5M00G1W	49.80 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION	
14000.0000 - 14500.0000 MHz	44K8G7W	35.80 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION	
14000.0000 - 14500.0000 MHz	44K8G1W	35.80 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION	
11450.0000 - 12200.0000 MHz	54M0G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION	
11450.0000 - 12200.0000 MHz	54M0G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION	
11450.0000 - 12200.0000 MHz	44K8G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION	
11450.0000 - 12200.0000 MHz	44K8G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION	
10950.0000 - 11200.0000 MHz	54M0G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION	
10950.0000 - 11200.0000 MHz	54M0G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION	
10950.0000 - 11200.0000 MHz	44K8G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION	
10950.0000 - 11200.0000 MHz	44K8G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION	

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SITE ID: REMOTE 1.2MSINAERO  
LOCATION: 500 (1.2M. FLYAWAY) US Internation water, CONUS, AK HI

ANTENNA ID:	SA-1.2MFLY	1.2 meters	SINAERO	SA-1.2TFLY
	14000.0000 - 14500.0000 MHz		64K0G7W 40.14 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
	14000.0000 - 14500.0000 MHz		64K0G1W 40.14 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
	14000.0000 - 14500.0000 MHz		10M0G7W 58.84 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
	14000.0000 - 14500.0000 MHz		10M0G1W 58.84 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
	11700.0000 - 12200.0000 MHz		36M0G7W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
	11700.0000 - 12200.0000 MHz		36M0G1W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
	11700.0000 - 12200.0000 MHz		1M00G7W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
	11700.0000 - 12200.0000 MHz		1M00G1W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION

SITE ID: (Ku) ESV REMOTE800A  
LOCATION: 500 (0.83M. SAILOR 800A), US Internation water

SITE ID: (Ku) ESV REMOTE6006  
LOCATION: 500 (1.5M. SEA TEL 6006/09/12), US Internation water

ANTENNA ID:	6006/09/12	1.5 meters	SEA TEL	6006/6009/6012
	14000.0000 - 14500.0000 MHz		44K8G7W 41.60 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
	14000.0000 - 14500.0000 MHz		44K8G1W 41.60 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
	14000.0000 - 14500.0000 MHz		10M0G7W 64.40 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
	14000.0000 - 14500.0000 MHz		10M0G1W 64.40 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
	11450.0000 - 12200.0000 MHz		54M0G7W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
	11450.0000 - 12200.0000 MHz		54M0G1W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION

11450.0000 - 12200.0000 MHz	44K8G7W			DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	44K8G1W			DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	54M0G7W			DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	54M0G1W			DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	44K8G7W			DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	44K8G1W			DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
ANTENNA ID: SAILOR800A	0.83 meters	THRANE & THRANE		TT-7080A SAILOR 800A
14000.0000 - 14500.0000 MHz	5M00G7W	47.40 dBW		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	5M00G1W	47.40 dBW		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	44K8G7W	31.30 dBW		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	44K8G1W	31.30 dBW		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	54M0G7W			DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	54M0G1W			DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	44K8G7W			DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	44K8G1W			DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	54M0G7W			DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	54M0G1W			DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	44K8G7W			DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	44K8G1W			DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION

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SITE ID: ESV4006/4009/4010  
LOCATION: 500 (1.0M. SEA TEL 4006/4009/4010), US Internation water

ANTENNA ID:	4006/09/10	1 meters	SEA TEL	4006,4009, & 4010	
14000.0000 - 14500.0000 MHz			5M00G7W	51.87 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz			5M00G1W	51.87 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz			44K8G7W	34.80 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz			44K8G1W	34.80 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz			54M0G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz			54M0G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz			44K8G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz			44K8G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz			54M0G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz			54M0G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz			44K8G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz			44K8G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION

SITE ID: (Ku) ESV INTV60G  
LOCATION: 500 (0.6M. INT V60G), US Internation water

ANTENNA ID:	INTV60G	0.6 meters	INTELLIAN	V60G	
14000.0000 - 14500.0000 MHz			44K8G7W	26.30 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz			44K8G1W	26.30 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz			1M20G7W	40.57 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION

14000.0000 - 14500.0000 MHz	1M20G1W	40.57 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	54M0G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	54M0G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	44K8G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	44K8G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	54M0G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	54M0G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	44K8G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	44K8G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION

SITE ID: (Ku) ESV INTV80G  
LOCATION: 500 (0.83M. INT V80G), US Internation water

ANTENNA ID: INTV80G      0.83 meters      INTELLIAN      V80G

14000.0000 - 14500.0000 MHz	44K8G7W	29.87 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	44K8G1W	29.87 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	1M20G7W	44.14 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	1M20G1W	44.14 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	54M0G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	54M0G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	44K8G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	44K8G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION

10950.0000 - 11200.0000 MHz	54M0G7W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	54M0G1W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	44K8G7W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	44K8G1W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION

SITE ID:        ESV INTV240K  
LOCATION:        500 (2.4M. INTV240K), US Internation water

ANTENNA ID:	INTV240K	2.4 meters	INTELLIAN	V240K
14000.0000 - 14500.0000 MHz	44K8G7W	44.50 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION	
14000.0000 - 14500.0000 MHz	44K8G1W	44.50 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION	
14000.0000 - 14500.0000 MHz	15M0G7W	66.60 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION	
14000.0000 - 14500.0000 MHz	15M0G1W	66.60 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION	
11450.0000 - 12200.0000 MHz	54M0G7W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION		
11450.0000 - 12200.0000 MHz	54M0G1W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION		
11450.0000 - 12200.0000 MHz	44K8G7W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION		
11450.0000 - 12200.0000 MHz	44K8G1W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION		
10950.0000 - 11200.0000 MHz	54M0G7W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION		
10950.0000 - 11200.0000 MHz	54M0G1W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION		
10950.0000 - 11200.0000 MHz	44K8G7W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION		
10950.0000 - 11200.0000 MHz	44K8G1W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION		

SITE ID:        (Ku) ESV 3612  
LOCATION:        500 (0.9M. SEA TEL 3612), US Internation water

ANTENNA ID:	SEAT3612	0.9 meters	SEA TEL	3612
	14000.0000 - 14500.0000 MHz	54M0G7W	51.20 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
	14000.0000 - 14500.0000 MHz	15M0G1W	51.20 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
	14000.0000 - 14500.0000 MHz	44K8G7W	30.70 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
	14000.0000 - 14500.0000 MHz	44K8G1W	30.70 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
	11450.0000 - 12200.0000 MHz	54M0G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
	11450.0000 - 12200.0000 MHz	54M0G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
	11450.0000 - 12200.0000 MHz	44K8G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
	11450.0000 - 12200.0000 MHz	44K8G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
	10950.0000 - 11200.0000 MHz	54M0G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
	10950.0000 - 11200.0000 MHz	54M0G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
	10950.0000 - 11200.0000 MHz	44K8G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
	10950.0000 - 11200.0000 MHz	44K8G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION

SITE ID: (Ku) ESV 4012  
LOCATION: 500 (1.06M. SEA TEL 4012), US Internation water

ANTENNA ID:	SEAT4012	1.06 meters	SEA TEL	4012
	14000.0000 - 14500.0000 MHz	54M0G7W	53.50 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
	14000.0000 - 14500.0000 MHz	54M0G1W	53.50 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
	14000.0000 - 14500.0000 MHz	44K8G7W	35.70 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
	14000.0000 - 14500.0000 MHz	44K8G1W	35.70 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION

11450.0000 - 12200.0000 MHz	54M0G7W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	54M0G1W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	44K8G7W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	44K8G1W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	54M0G7W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	54M0G1W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	44K8G7W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 10950.0000 MHz	44K8G1W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION

SITE ID:            ESV5009/5010/5012  
LOCATION:            500 (1.2M. SEA TEL 4006/4009/4010), US Internation water

ANTENNA ID:    5009/10/12            1.2 meters            SEA TEL                                    5009/5010/5012

14000.0000 - 14500.0000 MHz	8M00G7W	56.26 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	8M00G1W	56.26 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	44K8G7W	39.50 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	44K8G1W	39.50 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	54M0G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	54M0G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	44K8G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	44K8G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	54M0G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION



10950.0000 - 11200.0000 MHz	54M0G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	44K8G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	44K8G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
SITE ID: (Ku) ESV 9797/9711			
LOCATION: 500 (2.4M. SEA TEL 9797/9711), US Internation water			
ANTENNA ID: 9797/9711	2.4 meters	SEA TEL	9797/9711KU
14000.0000 - 14500.0000 MHz	44K8G7W	44.90 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	44K8G1W	44.90 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	15M0G7W	67.70 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	15M0G1W	67.70 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	54M0G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	54M0G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	44K8G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	44K8G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	54M0G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	54M0G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	44K8G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	44K8G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION

**Points of Communication:**

(C-ba) ESV9707/97/11 - NSS 9 (S2756) - (177 W.L.)

(C-ba) ESV9707/97/11 - SES-4 (S2828) - (22.0 W.L.)

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(Ku) ESV 3612 - PERMITTED LIST - ()

(Ku) ESV 4012 - PERMITTED LIST - ()

(Ku) ESV 9797/9711 - PERMITTED LIST - ()

(Ku) ESV INTV60G - PERMITTED LIST - ()

(Ku) ESV INTV80G - PERMITTED LIST - ()

(Ku) ESV REMOTE6006 - PERMITTED LIST - ()

(Ku) ESV REMOTE800A - PERMITTED LIST - ()

(Ku) ESV REMOTE900B - PERMITTED LIST - ()

(Ku) ESV TTSAIL900 - PERMITTED LIST - ()

(Ku) ESVREMOTE .75M - PERMITTED LIST - ()

ESV INTV240K - PERMITTED LIST - ()

ESV/4003A - GALAXY 10R - (123 W.L.)

ESV/4003A - INTELSAT 705 - (50 W.L.)

ESV/4003A - PERMITTED LIST - ()

ESV/4996T - GALAXY 10R - (123 W.L.)

ESV/4996T - INTELSAT 705 - (50 W.L.)

ESV/4996T - PERMITTED LIST - ()

ESV/9711QOR-C - NSS 9 (S2756) - (177 W.L.)

ESV/9711QOR-C - SES-4 (S2828) - (22.0 W.L.)

ESV/9711QOR-KU - NSS 9 (S2756) - (177 W.L.)

ESV/9711QOR-KU - PERMITTED LIST - ()

ESV/9711QOR-KU - SES-4 (S2828) - (22.0 W.L.)

ESV/INTV100KU - NSS 9 (S2756) - (177 W.L.)

ESV/INTV100KU - PERMITTED LIST - ()

ESV/INTV100KU - SES-4 (S2828) - (22.0 W.L.)

ESV/INTV130KU - NSS 9 (S2756) - (177 W.L.)

ESV/INTV130KU - PERMITTED LIST - ()

ESV/INTV130KU - SES-4 (S2828) - (22.0 W.L.)

ESV/INTV240 - NSS 9 (S2756) - (177 W.L.)

ESV/INTV240 - SES-4 (S2828) - (22.0 W.L.)

ESV/MIT/MVA120KU - NSS 9 (S2756) - (177 W.L.)

ESV/MIT/MVA120KU - PERMITTED LIST - ()

ESV/MIT/MVA120KU - SES-4 (S2828) - (22.0 W.L.)

ESV/MIT/MVA60KU - NSS 9 (S2756) - (177 W.L.)

ESV/MIT/MVA60KU - PERMITTED LIST - ()

ESV/MIT/MVA60KU - SES-4 (S2828) - (22.0 W.L.)

ESV/V110 - PERMITTED LIST - ()

ESV4006/4009/4010 - PERMITTED LIST - ()

ESV5009/5010/5012 - PERMITTED LIST - ()

REMOTE .75 M - NSS-7 (S2463) - (20 W.L.)

REMOTE .90 M - NSS-7 (S2463) - (20 W.L.)

REMOTE .96 M - NSS-7 (S2463) - (20 W.L.)

REMOTE 1 - PERMITTED LIST - ()

Remote 1.2m AVL - PERMITTED LIST - ()

REMOTE 1.2MSINAERO - PERMITTED LIST - ()

REMOTE 2 - PERMITTED LIST - ()

REMOTE 3 (2.4M) - PERMITTED LIST - ()

**SES-MFS-20150424-00270** E E080100 Row 44 Inc.

Modification

**Class of Station:** Other

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

Row 44, Inc. requests modification its current Earth Stations Aboard Aircraft (ESAA) authorization to operate Antenna ID B, manufactured by TECOM, with the AMC-3 satellite operating at the 67° W.L. orbital location in the 11.7-12.2 GHz (space-to-Earth) and 14.05-14.47 GHz (Earth-to-space) frequency bands. Row 44, Inc. also requests authority to establish new EIRP-skew limit combinations and emission bandwidth combinations, as identified in Table 1, Exhibit A to FCC-Form 312.

SITE ID: Remotes-1

LOCATION: Operate up to 1000 ESAA terminals (.6 m) CONUS

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

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SITE ID: Remotes-2  
LOCATION: Operate up to 1000 ESAA terminals (.62m) CONUS

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.)

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

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

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**SES-MFS-20150602-00315** E KB34 Airbus DS SatCom Government, Inc.

Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service, International Aeronautical Mobile-Satellite Serv., Feeder Link for Mobile Satellite Service, International Maritime Mobile Satellite Service, Mobile Satellite Service

Airbus DS SatCom Government, Inc. requests modification of its fixed earth station in Santa Paula, CA, to: 1) make administrative corrections to antenna facility values on the current license; 2) add the Inmarsat 4F3 satellite operating at the 98°W.L. orbital location, in the 6425-6454 MHz and 1626.5-1600.5 MHz (Earth-to-space), and 3600-3629 MHz and 1525-1576.6 MHz (space-to-Earth) frequency bands; and 3) to add a new L-band hub antenna, Antenna ID SAPA 13L.

SITE ID: SANTA PAULA

LOCATION: 7676 PINE GROVE ROAD, VENTURA, SANTA PAULA, CA

34 ° 24 ' 5.00 " N LAT.

119 ° 4 ' 29.40 " W LONG.

ANTENNA ID:	12.8M	12.8 meters	PHILCO-FORD	
5925.0000 - 6425.0000 MHz		36M0F8F	82.50 dBW	ANALOG VIDEO
5925.0000 - 6425.0000 MHz		18M0F8F-	82.50 dBW	ANALOG VIDEO
5925.0000 - 6425.0000 MHz		36M0G7F	87.80 dBW	DIGITAL VIDEO
5925.0000 - 6425.0000 MHz		4M00G7F-	83.30 dBW	DIGITAL VIDEO
5925.0000 - 6425.0000 MHz		72M0G7W	87.80 dBW	DIGITAL VOICE, AND DATA
5925.0000 - 6425.0000 MHz		21K9G7W-	60.70 dBW	DIGITAL VOICE, AND DATA
3700.0000 - 4200.0000 MHz		36M0F8F		ANALOG VIDEO
3700.0000 - 4200.0000 MHz		18M0F8F-		ANALOG VIDEO
3700.0000 - 4200.0000 MHz		36M0G7F		DIGITAL VIDEO
3700.0000 - 4200.0000 MHz		4M00G7F-		DIGITAL VIDEO
3700.0000 - 4200.0000 MHz		72M0G7W		DIGITAL VOICE, AND DATA
3700.0000 - 4200.0000 MHz		21K9G7W-		DIGITAL VOICE, AND DATA
ANTENNA ID:	12.8M	12.8 meters	PHILCO-FORD	42 FT.
6454.4000 - 6456.6000 MHz				
6443.0000 - 6454.0000 MHz				
6440.0000 - 6443.0000 MHz		600HG1D	70.00 dBW	AERO

6440.0000 - 6443.0000 MHz	1K20G1D	70.00 dBW	AERO
6440.0000 - 6443.0000 MHz	2K40G1D	70.00 dBW	AERO
6440.0000 - 6443.0000 MHz	10K5G1E	70.00 dBW	AERO
6425.0000 - 6443.0000 MHz	NON	70.00 dBW	Communications System Monitoring (CSM)
6425.0000 - 6443.0000 MHz	600KFXN	70.00 dBW	CSM
6425.0000 - 6440.0000 MHz	NON	77.00 dBW	PILOT
6425.0000 - 6440.0000 MHz	30K0F3E	77.00 dBW	
6425.0000 - 6440.0000 MHz	600HG1D	77.00 dBW	
6425.0000 - 6440.0000 MHz	1K20G1D	77.00 dBW	
6420.0000 - 6424.0000 MHz	24K0F3E	67.00 dBW	
6420.0000 - 6424.0000 MHz	2K50G1D	68.00 dBW	
6420.0000 - 6424.0000 MHz	24K0G1D	65.00 dBW	
6420.0000 - 6424.0000 MHz	24K0F3E	77.00 dBW	AFRTS audio program channel services vis satellite at 176.5 degrees East
6417.0000 - 6443.0000 MHz	4K00G3E	77.00 dBW	
6417.0000 - 6443.0000 MHz	4K00G1D	77.00 dBW	
6417.0000 - 6443.0000 MHz	6K00G1D	77.00 dBW	
6417.0000 - 6443.0000 MHz	7K50G3E	77.00 dBW	
6417.0000 - 6443.0000 MHz	12K0G3E	77.00 dBW	
6417.0000 - 6443.0000 MHz	12K0G1D	77.00 dBW	
6416.0000 - 6418.0000 MHz	600KFXN	75.00 dBW	TT&C / MARECS
6416.0000 - 6418.0000 MHz	900KF2D	75.00 dBW	TT&C / MARECS
6174.6000 - 6175.4000 MHz	800KFXD	85.00 dBW	
6170.0000 - 6180.0000 MHz	900KF2D	89.00 dBW	TT&C / INMARSAT II
5927.0000 - 5927.0000 MHz	800KFXD	85.00 dBW	
5925.0000 - 6425.0000 MHz	34M0FXN	85.00 dBW	

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4195.0000 - 4199.0000 MHz	24K0F3E	
4195.0000 - 4199.0000 MHz	2K50G1D	
4195.0000 - 4199.0000 MHz	24K0G1D	
4192.5000 - 4200.0000 MHz	3K00G1D	
4192.5000 - 4200.0000 MHz	4K00G1D	
4192.5000 - 4200.0000 MHz	4K00G3E	
4192.5000 - 4200.0000 MHz	7K50G3E	
4192.5000 - 4200.0000 MHz	12K0G1D	
4192.5000 - 4200.0000 MHz	12K0G3E	
4192.5000 - 4200.0000 MHz	NON	PILOT
4192.5000 - 4200.0000 MHz	600HG1D	
4192.5000 - 4200.0000 MHz	1K20G1D	
4192.5000 - 4200.0000 MHz	4K80G1D	
4188.0000 - 4189.0000 MHz	1K00G1D	TT&C / MARECS
3954.5000 - 3954.5000 MHz	1K00G1D	
3954.5000 - 3954.5000 MHz	14K5F2D	
3945.5000 - 3945.5000 MHz	1K00G1D	
3945.5000 - 3945.5000 MHz	1K00G1D	
3945.5000 - 3945.5000 MHz	14K5F2D	
3945.0000 - 3955.0000 MHz	1K00G1D	TT&C / INMARSAT II
3700.5000 - 3700.5000 MHz	1K00G1D	
3620.0000 - 3623.0000 MHz	600HG1D	AERO
3620.0000 - 3623.0000 MHz	1K20G1D	AERO
3620.0000 - 3623.0000 MHz	2K40G1D	AERO
3620.0000 - 3623.0000 MHz	10K5G1E	AERO
3600.0000 - 3629.0000 MHz		

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3600.0000 - 3623.0000 MHz	NON		CSM
3600.0000 - 3623.0000 MHz	300KFXN		CSM
3600.0000 - 3623.0000 MHz	3K00G1D		
3600.0000 - 3623.0000 MHz	4K00G1D		
3600.0000 - 3623.0000 MHz	4K00G3E		
3600.0000 - 3623.0000 MHz	7K50G3E		
3600.0000 - 3623.0000 MHz	12K0G1D		
3600.0000 - 3623.0000 MHz	12K0G3E		
3600.0000 - 3620.0000 MHz	NON		PILOT
3600.0000 - 3620.0000 MHz	600HG1D		
3600.0000 - 3620.0000 MHz	4K80G1D		
3600.0000 - 3620.0000 MHz	30K0F3E		
1646.5000 - 1649.5000 MHz	600HG1D	15.00 dBW	AERO
1646.5000 - 1649.5000 MHz	1K20G1D	18.00 dBW	AERO
1646.5000 - 1649.5000 MHz	2K40G1D	21.00 dBW	AERO
1646.5000 - 1649.5000 MHz	10K5G1E	27.00 dBW	AERO
1638.5000 - 1642.5000 MHz	NON	37.00 dBW	
1626.5000 - 1660.5000 MHz			
1626.5000 - 1649.5000 MHz	300KFXN	62.00 dBW	CSM
1626.5000 - 1649.5000 MHz	NON	62.00 dBW	PILOT
1626.5000 - 1646.5000 MHz	NON	37.00 dBW	PILOT
1626.5000 - 1646.5000 MHz	600HG1D	16.00 dBW	CSM
1626.5000 - 1646.5000 MHz	1K20G1D	16.00 dBW	CSM
1626.5000 - 1646.5000 MHz	4K80G1D	37.00 dBW	CSM
1626.5000 - 1646.5000 MHz	30K0F3E	37.00 dBW	CSM
1574.4000 - 1576.6000 MHz			



1545.0000 - 1548.0000 MHz	600HG1D		AERO
1545.0000 - 1548.0000 MHz	1K20G1D		AERO
1545.0000 - 1548.0000 MHz	2K40G1D		AERO
1545.0000 - 1548.0000 MHz	10K5G1E		AERO
1541.5000 - 1541.5000 MHz	NON		
1530.0000 - 1548.0000 MHz	NON		CSM
1530.0000 - 1548.0000 MHz	600KFXN		CSM
1530.0000 - 1545.0000 MHz	NON		PILOT
1530.0000 - 1545.0000 MHz	600HG1D		CSM
1530.0000 - 1545.0000 MHz	1K20G1D		CSM
1530.0000 - 1545.0000 MHz	30K0F3E		CSM
1525.0000 - 1559.0000 MHz			
ANTENNA ID: SAPA13L	1.8 meters	PHILCO-FORD	1.8M
1626.5000 - 1660.5000 MHz	NON	27.20 dBW	UNMODULATED AFC PILOT (CLOSE LOOP)
1525.0000 - 1559.0000 MHz	2K40G1D		TEST BPSK, DATA
1525.0000 - 1559.0000 MHz	2M20G1D		TEST BPSK, DATA
1525.0000 - 1559.0000 MHz	NON		UNMODULATED AFC PILOT
1525.0000 - 1559.0000 MHz	132KG7D		TEST BPSK, DATA/TDM
1525.0000 - 1559.0000 MHz	24K0G1W		TEST QPSK, DATA/FAX
1525.0000 - 1559.0000 MHz	2K40G7D		TEST BPSK, DATA/TDM
1525.0000 - 1559.0000 MHz	5K60G1W		TEST QPSK, DATA/FAX
1525.0000 - 1559.0000 MHz	24K0G1E		TEST QPSK, TELEPHONY
1525.0000 - 1559.0000 MHz	5K60G1E		TEST QPSK, TELEPHONY
1525.0000 - 1559.0000 MHz	400KG1F		TEST QPSK, DIGITAL VIDEO/DATA
1525.0000 - 1559.0000 MHz	40K0G1W		TEST 16 QAM DIGITAL TELEPHONY

1525.0000 - 1559.0000 MHz	2M20G1D		TEST BPSK SPREAD SPECTRUM DATA-CLOSE LOOP
1574.4000 - 1576.6000 MHz	2M20G1D		TEST BPSK SPREAD SPECTRUM DATA-CLOSE LOOP
1525.0000 - 1559.0000 MHz	34K0F3E		TEST FM TELEPHONY COMPANDED AN UNCOMPANDED
ANTENNA ID: SAPA 13	10.4 meters	PHILCO-FORD	34 FT
6425.0000 - 6454.0000 MHz	100KG1X	61.80 dBW	O-QPSK, 64 KBPS DATA
6425.0000 - 6454.0000 MHz	1K65G1D	52.30 dBW	DIFFERENTIAL GPS DATA
6425.0000 - 6454.0000 MHz	20K0G1E	58.60 dBW	O-QPSK, VOICE TELEPHONY
6425.0000 - 6454.0000 MHz	10K0G1X	51.60 dBW	BPSK, 9.6 KBPS FAX AND DATA
6425.0000 - 6454.0000 MHz	100KG1X	60.80 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	10K0G1W	59.70 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	10K0G1X	61.20 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	17K5G1D	61.40 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	20K0G1E	56.80 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	2K50F1D	58.80 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	2K50G1D	65.70 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	45K0G7D	66.00 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	5K00G1D	61.80 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	5K00G1E	51.90 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	5K00G1W	51.90 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	60K0D1W	65.90 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	7K50G1D	59.10 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	7K50G1E	62.20 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	7K50G1W	58.40 dBW	DIGITAL DATA
3600.0000 - 3629.0000 MHz	100KG1X		O-QPSK, 64 KBPS DATA
3600.0000 - 3629.0000 MHz	20K0G1E		O-QPSK, VOICE TELEPHONY

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3600.0000 - 3629.0000 MHz	20K0G1X		BPSK, 9.6 KBPS FAX AND DATA
3600.0000 - 3629.0000 MHz	100KG1X		DIGITAL DATA
3600.0000 - 3629.0000 MHz	10K0G1W		DIGITAL DATA
3600.0000 - 3629.0000 MHz	17K5G1D		DIGITAL DATA
3600.0000 - 3629.0000 MHz	20K0G1E		DIGITAL DATA
3600.0000 - 3629.0000 MHz	20K0G1X		DIGITAL DATA
3600.0000 - 3629.0000 MHz	2K50F1D		DIGITAL DATA
3600.0000 - 3629.0000 MHz	2K50G1D		DIGITAL DATA
3600.0000 - 3629.0000 MHz	45K0G7D		DIGITAL DATA
3600.0000 - 3629.0000 MHz	5K00G1D		DIGITAL DATA
3600.0000 - 3629.0000 MHz	5K00G1E		DIGITAL DATA
3600.0000 - 3629.0000 MHz	5K00G1W		DIGITAL DATA
3600.0000 - 3629.0000 MHz	60K0D1W		DIGITAL DATA
3600.0000 - 3629.0000 MHz	7K50G1D		DIGITAL DATA
3600.0000 - 3629.0000 MHz	7K50G1E		DIGITAL DATA
3600.0000 - 3629.0000 MHz	7K50G1W		DIGITAL DATA
6424.0000 - 6454.0000 MHz	2K40G1D	48.60 dBW	BPSK, DATA
6424.0000 - 6454.0000 MHz	2M20G1D	71.70 dBW	BPSK, DATA
6424.0000 - 6454.0000 MHz	132KG7D	59.50 dBW	BPSK, DATA/TDM
6424.0000 - 6454.0000 MHz	24K0G1W	58.60 dBW	QPSK, DATA/FAX
6424.0000 - 6454.0000 MHz	2K40G7D	48.60 dBW	BPSK, DATA/TDM
6424.0000 - 6454.0000 MHz	5K60G1D	52.30 dBW	QPSK, DATA/FAX
6424.0000 - 6454.0000 MHz	24K0G1E	58.60 dBW	QPSK, TELEPHONY
6424.0000 - 6454.0000 MHz	5K60G1E	53.20 dBW	QPSK, TELEPHONY
5927.0000 - 5927.0000 MHz	NON	50.80 dBW	TT&C RANGING CARRIER
6424.0000 - 6454.0000 MHz	NON	59.50 dBW	UNMODULATED AFC PILOT

6424.0000 - 6454.0000 MHz	400KG1F	59.50 dBW	QPSK, DIGITAL VIDEO DATA
6424.0000 - 6454.0000 MHz	40K0G1W	60.80 dBW	16 QAM DIGITAL TELEPHONY
6424.0000 - 6454.0000 MHz	27K0F3W	59.50 dBW	FM9 ANALOG BROADCAST CARRIER
6424.0000 - 6454.0000 MHz	34K0F3E	59.50 dBW	FM TELEPHONY COMPANDED AND UNCOMPANDED
5925.0000 - 6425.0000 MHz	36M0F8W	82.50 dBW	TEST ANALOG CARRIER TO MONITOR TRANSPONDER PERFORMANCE
3600.0000 - 3629.0000 MHz	2K40G1D		BPSK, DATA
3600.0000 - 3629.0000 MHz	2M20G1D		BPSK, DATA
3600.0000 - 3629.0000 MHz	132KG7D		BPSK, DATA/TDM
3600.0000 - 3629.0000 MHz	24K0G1W		QPSK, DATA/FAX
3600.0000 - 3629.0000 MHz	2K40G7D		BPSK, DATA/TDM
3600.0000 - 3629.0000 MHz	5K60G1W		QPSK, DATA/FAX
3600.0000 - 3629.0000 MHz	24K0G1E		QPSK, TELEPHONY
3600.0000 - 3629.0000 MHz	5K60G1E		QPSK, TELEPHONY
3600.0000 - 3629.0000 MHz	NON		UNMODULATED AFC PILOT
3600.0000 - 3629.0000 MHz	400KG1F		QPSK, DIGITAL VIDEO DATA
3600.0000 - 3629.0000 MHz	40K0G1W		16 QAM DIGITAL TELEPHONY
3947.0000 - 3953.0000 MHz	131KG2D		PCM/PSK/BI-PHASE TRACKING BEACON
3600.0000 - 3629.0000 MHz	2M20G1D		BPSK SPREAD SPECTRUM DATA (NAVIGATION)
3600.0000 - 3629.0000 MHz	34K0F3E		FM TELEPHONY COMPANDED AND UNCOMPANDED
3700.0000 - 4200.0000 MHz	36M0F8W		TEST ANALOG CARRIER TO MONITOR TRANSPONDER PERFORMANCE

ANTENNA ID: 10.4M 10.4 meters PHILCO-FORD 34 FT.

6420.0000 - 6424.0000 MHz	24K0F3E	67.00 dBW
6420.0000 - 6424.0000 MHz	2K50G1D	68.00 dBW

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6420.0000 - 6424.0000 MHz	24K0G1D	65.00 dBW	
6174.6000 - 6175.4000 MHz	800KFXD	85.00 dBW	
5927.0000 - 5927.0000 MHz	800KFXD	85.00 dBW	
5925.0000 - 6425.0000 MHz	34M0FXN	85.00 dBW	
5925.0000 - 6425.0000 MHz	36M0F8F	80.00 dBW	ANALOG VIDEO
5925.0000 - 6425.0000 MHz	18M0F8F-	80.00 dBW	ANALOG VIDEO
5925.0000 - 6425.0000 MHz	36M0G7F	85.30 dBW	DIGITAL VIDEO
5925.0000 - 6425.0000 MHz	4M00G7F-	80.80 dBW	DIGITAL VIDEO
5925.0000 - 6425.0000 MHz	72M0G7W	85.30 dBW	DIGITAL VOICE, AND DATA
5925.0000 - 6425.0000 MHz	21K9G7W-	58.20 dBW	DIGITAL VOICE, AND DATA
4195.0000 - 4199.0000 MHz	24K0F3E		
4195.0000 - 4199.0000 MHz	2K50G1D		
4195.0000 - 4199.0000 MHz	24K0G1D		
3954.5000 - 3954.5000 MHz	1K00G1D		
3954.5000 - 3954.5000 MHz	14K5F2D		
3945.5000 - 3945.5000 MHz	1K00G1D		
3945.5000 - 3945.5000 MHz	1K00G1D		
3945.5000 - 3945.5000 MHz	14K5F2D		
3700.5000 - 3700.5000 MHz	1K00G1D		
3700.0000 - 4200.0000 MHz	36M0F8F		ANALOG VIDEO
3700.0000 - 4200.0000 MHz	18M0F8F-		ANALOG VIDEO
3700.0000 - 4200.0000 MHz	36M0G7F		DIGITAL VIDEO
3700.0000 - 4200.0000 MHz	4M00G7F-		DIGITAL VIDEO
3700.0000 - 4200.0000 MHz	72M0G7W		DIGITAL VOICE, AND DATA
3700.0000 - 4200.0000 MHz	21K9G7W-		DIGITAL VOICE, AND DATA
1638.5000 - 1642.5000 MHz	NON	37.00 dBW	

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1541.5000 - 1541.5000 MHz                      NON

ANTENNA ID:    12.8M                      12.8 meters                      PHILCO-FORD                      42 FT

**Points of Communication:**

SANTA PAULA - INMARSAT 2F1 - (142 W.L.)

SANTA PAULA - INMARSAT 3F4 - (142 W.L.)

SANTA PAULA - INMARSAT 4F3 - (98 W.L.)

SANTA PAULA - INMARSAT AOR-W -

SANTA PAULA - INMARSAT POR -

SANTA PAULA - ISAT List -

SANTA PAULA - KS29 - (76 W.L.)

SANTA PAULA - PERMITTED LIST - ()

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**SES-MFS-20150605-00323**    E E100051    LightSquared Subsidiary LLC, Debtor-in-Possession

Modification

**Class of Station:**        Fixed Earth Stations

**Nature of Service:**     Mobile Satellite Service

LightSquared Subsidiary LLC, Debtor-in-Possession (LightSquared) requests authority to modify its earth station license in connection with the planned change in orbital location of MSAT-1, a Canadian-licensed spacecraft that currently is located at the 106.5° W.L. orbital location and is expected to be relocated to the 107.5° W.L. orbital location in September 2015,

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                      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                      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                      NON                      16.50 dBW                      Unmodulated signal

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1525.0000 - 1559.0000 MHz	5K00G9W	0.00 dBW	4800 bps QPSK data carrier
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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
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1626.5000 - 1660.5000 MHz	NON	16.50 dBW	Unmodulated signal
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1626.5000 - 1660.5000 MHz	5K00G9W	16.50 dBW	4800 bps QPSK data carrier
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1525.0000 - 1559.0000 MHz	5K00G9W	0.00 dBW	4800 bps QPSK data carrier
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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
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1626.5000 - 1660.5000 MHz	NON	16.50 dBW	UNMODULATED SIGNAL
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1626.5000 - 1660.5000 MHz	5K00G9W	16.50 dBW	4800 BPS QPSK DATA CARRIER
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1525.0000 - 1559.0000 MHz	5K00G9W		4800 BPS QPSK DATA CARRIER
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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
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1626.5000 - 1660.5000 MHz	NON	16.50 dBW	UNMODULATED SIGNAL
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1525.0000 - 1559.0000 MHz	5K00G9W		4800 BPS QPSK DATA CARRIER
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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
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**Points of Communication:**

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

SCMS 1 - MSAT-2 - (101.3 W.L.)

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

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

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

SCMS 2 - SKYTERRA 1 - (101.3 W.L.)

SCMS 4 - MSAT-1 - (106.5 W.L.)

SCMS 4 - MSAT-2 - (101.3 W.L.)

SCMS 4 - SKYTERRA 1 - (101.3 W.L.)

SCMS 5 - MSAT-1 - (106.5 W.L.)

SCMS 5 - MSAT-2 - (101.3 W.L.)

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

SCMS 6 - MSAT-1 - (106.5 W.L.)

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

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

SCMS 8 - MSAT-1 - (106.5 W.L.)

SCMS 8 - MSAT-2 - (103.3 W)

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

**SES-MFS-20150605-00324** E E080030 LightSquared Subsidiary LLC, Debtor-in-Possession

Modification

**Class of Station:** Fixed Earth Stations

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

LightSquared Subsidiary LLC, Debtor-in-Possession (LightSquared) requests authority to modify its earth station license in connection with the planned change in orbital location of MSAT-1, a Canadian-licensed spacecraft that currently is located at the 106.5° W.L. orbital location and is expected to be relocated to the 107.5° W.L. orbital location in September 2015,

**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 - (106.5 W.L.)

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-20150605-00325** E E980179 LightSquared Subsidiary LLC, Debtor-in-Possession

Modification

**Class of Station:** Mobile Earth Station

**Nature of Service:** Mobile Satellite Service

LightSquared Subsidiary LLC, Debtor-in-Possession (LightSquared) requests authority to modify its earth station license in connection with the planned change in orbital location of MSAT-1, a Canadian-licensed spacecraft that currently is located at the 106.5° W.L. orbital location and is expected to be relocated to the 107.5° W.L. orbital location in September 2015,

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 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	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)

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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) - (103.3 W.L.)

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

Modification

**Class of Station:** Mobile Earth Station

**Nature of Service:** Mobile Satellite Service

LightSquared Subsidiary LLC, Debtor-in-Possession (LightSquared) requests authority to modify its earth station license in connection with the planned change in orbital location of MSAT-1, a Canadian-licensed spacecraft that currently is located at the 106.5° W.L. orbital location and is expected to be relocated to the 107.5° W.L. orbital location in September 2015,

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

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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 - (106.5 W.L.)
- 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

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Mobile Satellite Service

LightSquared Subsidiary LLC, Debtor-in-Possession (LightSquared) requests authority to modify its earth station license in connection with the planned change in orbital location of MSAT-1, a Canadian-licensed spacecraft that currently is located at the 106.5° W.L. orbital location and is expected to be relocated to the 107.5° W.L. orbital location in September 2015,

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.)

**SES-MFS-20150605-00328** E E080031 LightSquared Subsidiary LLC, Debtor-in-Possession

Modification

**Class of Station:** Fixed Earth Stations

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

LightSquared Subsidiary LLC, Debtor-in-Possession (LightSquared) requests authority to modify its earth station license in connection with the planned change in orbital location of MSAT-1, a Canadian-licensed spacecraft that currently is located at the 106.5° W.L. orbital location and is expected to be relocated to the 107.5° W.L. orbital location in September 2015,

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.)

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**SES-MFS-20150605-00329** E E930124 LightSquared Subsidiary LLC, Debtor-in-Possession

Modification

**Class of Station:** Fixed Earth Stations

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

LightSquared Subsidiary LLC, Debtor-in-Possession (LightSquared) requests authority to modify its earth station license in connection with the planned change in orbital location of MSAT-1, a Canadian-licensed spacecraft that currently is located at the 106.5° W.L. orbital location and is expected to be relocated to the 107.5° W.L. orbital location in September 2015,

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 - ()

**SES-MOD-20150416-00218** E E930289 SES Americom, Inc.

Application for Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SES Americom, Inc. requests the Commission to correct condition number 90135 to accord operations in the 3625-3650 MHz frequency band (space-to-Earth) to primary status as this earth station is within 10 miles of a Grandfathered earth station, call sign KA318, pursuant to FCC 12-148, para. 168. SES Americom, Inc. also requests clarification that operations in the 3650-3700 MHz frequency band are authorized only on a secondary basis.

SITE ID: 1  
 LOCATION: 6950 BRADLEY ROAD, VENTURA, SOMIS, CA  
 34 ° 19 ' 31.00 " N LAT. 118 ° 59 ' 38.00 " W LONG.

ANTENNA ID:	1	9 meters	VERTEX	9KPC
	5925.0000 - 6425.0000 MHz		36M0F8W	80.03 dBW
	3700.0000 - 4200.0000 MHz		36M0F8W	
ANTENNA ID:	6.3	6.3 meters	GD SATCOM	6.3 KPC



5925.0000 - 6425.0000 MHz	N0N	50.70 dBW	TEST CARRIER
5925.0000 - 6425.0000 MHz	100KG7W	61.50 dBW	DIGITAL DATA
5925.0000 - 6425.0000 MHz	10M0G7W	81.50 dBW	DIGITAL VIDEO, AUDIO AND DATA
5850.0000 - 5925.0000 MHz	N0N	50.70 dBW	TEST CARRIER
5850.0000 - 5925.0000 MHz	100KG7W	61.50 dBW	DIGITAL DATA
5850.0000 - 5925.0000 MHz	10M0G7W	81.50 dBW	DIGITAL VIDEO, AUDIO AND DATA
3700.0000 - 4200.0000 MHz	N0N		TRACKING BEACON
3700.0000 - 4200.0000 MHz	100KG7W		DIGITAL DATA
3700.0000 - 4200.0000 MHz	10M0G7W		DIGITAL VIDEO, AUDIO AND DATA
3635.0000 - 3700.0000 MHz	N0N		TRACKING BEACON
3625.0000 - 3700.0000 MHz	100KG7W		DIGITAL DATA
3625.0000 - 3700.0000 MHz	10M0G7W		DIGITAL VIDEO, AUDIO AND DATA

**Points of Communication:**

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

1 - NSS 9 (S2756) - (177 W.L.)

1 - PERMITTED LIST - ()

**SES-MOD-20150416-00220** E KB27 SES Americom, Inc.

Application for Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SES Americom, Inc. requests the Commission to correct condition number 90135 to accord operations in the 3625-3650 MHz frequency band (space-to-Earth) to primary status as this earth station is within 10 miles of a Grandfathered earth station, call sign KA318, pursuant to FCC 12-148, para. 168. SES Americom, Inc. also requests clarification that operations in the 3650-3700 MHz frequency band are authorized only on a secondary basis.

SITE ID: 1

LOCATION: 5990 SOLANO VERDE DRIVE, VENTURA, SOMIS, CA

34 ° 19 ' 31.00 " N LAT.

118 ° 59 ' 41.00 " W LONG.

ANTENNA ID: 1 13 meters VERTEX 13 KPC

5925.0000 - 6425.0000 MHz 36M0F7W 89.90 dBW

5925.0000 - 6425.0000 MHz 36M0F8W 89.90 dBW

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5925.0000 - 6425.0000 MHz	25M0F8W	89.90 dBW	
5925.0000 - 6425.0000 MHz	17M5F8W	89.90 dBW	
5925.0000 - 6425.0000 MHz	5M00F8W	88.90 dBW	
5925.0000 - 6425.0000 MHz	50K0F3E	40.00 dBW	
5925.0000 - 6425.0000 MHz	50K0F1D	40.00 dBW	
5925.0000 - 6425.0000 MHz	36M0G7W	83.60 dBW	DIGITAL VIDEO, AUDIO AND DATA
5925.0000 - 6425.0000 MHz	36M0D7W	83.60 dBW	DIGITAL VIDEO, AUDIO AND DATA
5925.0000 - 6425.0000 MHz	100KG7W	68.10 dBW	DIGITAL DATA
5925.0000 - 6425.0000 MHz	100KD7W	68.10 dBW	DIGITAL DATA
5925.0000 - 6425.0000 MHz	1M00F9D	81.30 dBW	TELECOMMAND
5925.0000 - 6425.0000 MHz	N0N	57.30 dBW	TEST CARRIER
5850.0000 - 5925.0000 MHz	36M0G7W	83.60 dBW	DIGITAL VIDEO, AUDIO AND DATA
5850.0000 - 5925.0000 MHz	36M0D7W	83.60 dBW	DIGITAL VIDEO, AUDIO AND DATA
5850.0000 - 5925.0000 MHz	36M0F8W	83.30 dBW	ANALOG VIDEO
5850.0000 - 5925.0000 MHz	100KG7W	68.10 dBW	DIGITAL DATA
5850.0000 - 5925.0000 MHz	100KD7W	68.10 dBW	DIGITAL DATA
5850.0000 - 5925.0000 MHz	1M00F9D	81.30 dBW	TELECOMMAND
5850.0000 - 5925.0000 MHz	N0N	57.30 dBW	TEST CARRIER
3700.0000 - 4200.0000 MHz	36M0G7W		DIGITAL VIDEO, AUDIO AND DATA
3700.0000 - 4200.0000 MHz	36M0D7W		DIGITAL VIDEO, AUDIO AND DATA
3700.0000 - 4200.0000 MHz	36M0F8W		ANALOG VIDEO
3700.0000 - 4200.0000 MHz	100KG7W		DIGITAL DATA
3700.0000 - 4200.0000 MHz	100KD7W		DIGITAL DATA
3700.0000 - 4200.0000 MHz	N0N		TRACKING BEACON
3700.0000 - 4200.0000 MHz	1M00F9D		TELEMETRY
3625.0000 - 3650.0000 MHz	36M0G7W		DIGITAL VIDEO, AUDIO AND DATA

3625.0000 - 3650.0000 MHz	36M0D7W		DIGITAL VIDEO, AUDIO AND DATA
3625.0000 - 3650.0000 MHz	36M0F8W		ANALOG VIDEO
3625.0000 - 3650.0000 MHz	100KG7W		DIGITAL DATA
3625.0000 - 3650.0000 MHz	100KG7W		DIGITAL DATA
3625.0000 - 3650.0000 MHz	N0N		TRACKING BEACON
3625.0000 - 3650.0000 MHz	1M00F9D		TELEMETRY
ANTENNA ID: 2	13 meters	E SYSTEMS	C23508-N10
6423.5000 - 6423.5000 MHz	3M00F8W	87.80 dBW	
5925.0000 - 6425.0000 MHz	36M0F7W	89.90 dBW	
5925.0000 - 6425.0000 MHz	36M0F8W	89.90 dBW	
5925.0000 - 6425.0000 MHz	25M0F8W	89.90 dBW	
5925.0000 - 6425.0000 MHz	17M5F8W	89.90 dBW	
5925.0000 - 6425.0000 MHz	5M00F8W	88.90 dBW	
5925.0000 - 6425.0000 MHz	50K0F3E	40.00 dBW	
5925.0000 - 6425.0000 MHz	50K0F1D	40.00 dBW	
ANTENNA ID: 3	11 meters	SCIENTIFIC ATLANTA	8007
6423.5000 - 6423.5000 MHz	3M00F8W	87.80 dBW	
5925.0000 - 6425.0000 MHz	36M0F7W	89.90 dBW	
5925.0000 - 6425.0000 MHz	36M0F8W	89.90 dBW	
5925.0000 - 6425.0000 MHz	25M0F8W	89.90 dBW	
5925.0000 - 6425.0000 MHz	17M5F8W	89.90 dBW	
5925.0000 - 6425.0000 MHz	5M00F8W	88.90 dBW	
5925.0000 - 6425.0000 MHz	50K0F3E	40.00 dBW	
5925.0000 - 6425.0000 MHz	50K0F1D	40.00 dBW	
ANTENNA ID: 4	11 meters	HARRIS	5260
6423.5000 - 6423.5000 MHz	3M00F8W	87.80 dBW	

5925.0000 - 6425.0000 MHz	36M0F7W	89.90 dBW
5925.0000 - 6425.0000 MHz	36M0F8W	89.90 dBW
5925.0000 - 6425.0000 MHz	25M0F8W	89.90 dBW
5925.0000 - 6425.0000 MHz	17M5F8W	89.90 dBW
5925.0000 - 6425.0000 MHz	5M00F8W	88.90 dBW
5925.0000 - 6425.0000 MHz	50K0F3E	40.00 dBW
5925.0000 - 6425.0000 MHz	50K0F1D	40.00 dBW

**Points of Communication:**

- 1 - INTELSAT 18 (S2817) - (180 E.L.)
- 1 - NSS 9 (S2756) - (177 W.L.)
- 1 - PERMITTED LIST - ()

**SES-MOD-20150706-00451** E E920417 Educational Media Foundation

Application for Modification

**Class of Station:** VSAT Network

**Nature of Service:** Fixed Satellite Service

Educational Media Foundation requests modification of its VSAT Network to add new emission designators 128KG7W and 4M00G7W to its existing license.

**SITE ID:** HUB1A

**LOCATION:** 5700 WEST OAKS BLVD. (3.8M.HUB)1-A, PLACER, ROCKLIN, CA

38 ° 48 ' 54.00 " N LAT.

121 ° 16 ' 40.00 " W LONG.

<b>ANTENNA ID:</b> HUB1A	3.8 meters	PRODELIN	1383
14000.0000 - 14500.0000 MHz	4M20G7D	58.90 dBW	QPSK, DIGITAL
11700.0000 - 12200.0000 MHz	540KG7D		QPSK, DIGITAL
11700.0000 - 12200.0000 MHz	4M20G7D		QPSK, DIGITAL
11700.0000 - 12200.0000 MHz	128KG7W		4CPM; ADAPTIVE ACCESS SCHEME MULTI FREQUENCY (MF) TDMA
14000.0000 - 14500.0000 MHz	128KG7W	53.20 dBW	4CPM; ADAPTIVE ACCESS SCHEME MULTI FREQUENCY (MF) TDMA
11700.0000 - 12200.0000 MHz	4M00G7W		4CPM; ADAPTIVE ACCESS SCHEME MULTI FREQUENCY (MF) TDMA

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14000.0000 - 14500.0000 MHz	4M00G7W	64.20 dBW	4CPM; ADAPTIVE ACCESS SCHEME MULTI FREQUENCY (MF) TDMA
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SITE ID: REMOTE 1

LOCATION: 5700 WEST OAKS BLVD. VSAT 1.2M., (25 UNITS), CONUS, AK, HI

ANTENNA ID:	REMT 1	1.2 meters	ASC SIGNAL	TYPE 123
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14000.0000 - 14500.0000 MHz	4M20G7D	43.40 dBW	QPSK, DIGITAL
14000.0000 - 14500.0000 MHz	540KG7D	47.10 dBW	QPSK, DIGITAL
11700.0000 - 12200.0000 MHz	4M20G7D		QPSK, DIGITAL
11700.0000 - 12200.0000 MHz	540KG7D		QPSK, DIGITAL
14000.0000 - 14500.0000 MHz	128KG7W	42.30 dBW	4CPM; ADAPTIVE ACCESS SCHEME MULTI FREQUENCY (MF) TDMA
14000.0000 - 14500.0000 MHz	4M00G7W	48.07 dBW	4CPM; ADAPTIVE ACCESS SCHEME MULTI FREQUENCY (MF) TDMA
11700.0000 - 12200.0000 MHz	128KG7W		4CPM; ADAPTIVE ACCESS SCHEME MULTI FREQUENCY (MF) TDMA
11700.0000 - 12200.0000 MHz	4M00G7W		4CPM; ADAPTIVE ACCESS SCHEME MULTI FREQUENCY (MF) TDMA

SITE ID: REMOTE 2

LOCATION: 5700 WEST OAKS BLVD. VSAT 1.8M., (550 UNITS), CONUS, AK, HI

ANTENNA ID:	REMT 2	1.8 meters	ASC SIGNAL	TYPE 18(0/3)TX
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14000.0000 - 14500.0000 MHz	4M20G7D	47.30 dBW	QPSK, DIGITAL
14000.0000 - 14500.0000 MHz	540KG7D	50.60 dBW	QPSK, DIGITAL
11700.0000 - 12200.0000 MHz	4M20G7D		QPSK, DIGITAL
11700.0000 - 12200.0000 MHz	540KG7D		QPSK, DIGITAL
14000.0000 - 14500.0000 MHz	128KG7W	45.83 dBW	4CPM; ADAPTIVE ACCESS SCHEME MULTI FREQUENCY (MF) TDMA
14000.0000 - 14500.0000 MHz	4M00G7W	51.57 dBW	4CPM; ADAPTIVE ACCESS SCHEME MULTI FREQUENCY (MF) TDMA
11700.0000 - 12200.0000 MHz	128KG7W		4CPM; ADAPTIVE ACCESS SCHEME MULTI FREQUENCY (MF) TDMA
11700.0000 - 12200.0000 MHz	4M00G7W		4CPM; ADAPTIVE ACCESS SCHEME MULTI FREQUENCY (MF) TDMA

SITE ID: REMOTE 3  
 LOCATION: 5700 WEST OAKS BLVD. VSAT 2.4M., (25 UNITS), CONUS, AK, HI

ANTENNA ID:	REMT 3	2.4 meters	ASC SIGNAL	TYPE 243
	14000.0000 - 14500.0000 MHz	4M20G7D	50.00 dBW	QPSK, DIGITAL
	14000.0000 - 14500.0000 MHz	540KG7D	52.70 dBW	QPSK, DIGITAL
	11700.0000 - 12200.0000 MHz	4M20G7D		QPSK, DIGITAL
	11700.0000 - 12200.0000 MHz	540KG7D		QPSK, DIGITAL
	14000.0000 - 14500.0000 MHz	128KG7W	47.90 dBW	4CPM; ADAPTIVE ACCESS SCHEME MULTI FREQUENCY (MF) TDMA
	14000.0000 - 14500.0000 MHz	4M00G7W	53.70 dBW	4CPM; ADAPTIVE ACCESS SCHEME MULTI FREQUENCY (MF) TDMA
	11700.0000 - 12200.0000 MHz	128KG7W		4CPM; ADAPTIVE ACCESS SCHEME MULTI FREQUENCY (MF) TDMA
	11700.0000 - 12200.0000 MHz	4M00G7W		4CPM; ADAPTIVE ACCESS SCHEME MULTI FREQUENCY (MF) TDMA

SITE ID: HUB-1RCKCA  
 LOCATION: 5700 WEST OAKS BLVD. (5.6M.HUB)-1, PLACER, ROCKLIN, CA  
 38 ° 48 ' 54.00 " N LAT. 121 ° 16 ' 40.00 " W LONG.

ANTENNA ID:	HUB1RCKC	5.6 meters	ASC SIGNAL	ES56-1
	14000.0000 - 14500.0000 MHz	4M20G7D	58.90 dBW	QPSK, DIGITAL
	11700.0000 - 12200.0000 MHz	540KG7D		QPSK, DIGITAL
	11700.0000 - 12200.0000 MHz	4M20G7D		QPSK, DIGITAL
	14000.0000 - 14500.0000 MHz	128KG7W	57.00 dBW	4CPM; ADAPTIVE ACCESS SCHEME MULTI FREQUENCY (MF) TDMA
	14000.0000 - 14500.0000 MHz	4M00G7W	68.00 dBW	4CPM; ADAPTIVE ACCESS SCHEME MULTI FREQUENCY (MF) TDMA
	11700.0000 - 12200.0000 MHz	128KG7W		4CPM; ADAPTIVE ACCESS SCHEME MULTI FREQUENCY (MF) TDMA
	11700.0000 - 12200.0000 MHz	4M00G7W		4CPM; ADAPTIVE ACCESS SCHEME MULTI FREQUENCY (MF) TDMA

**Points of Communication:**

HUB1A - PERMITTED LIST - ()

HUB-1RCKCA - PERMITTED LIST - ()

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REMOTE 1 - PERMITTED LIST - ()

REMOTE 2 - PERMITTED LIST - ()

REMOTE 3 - PERMITTED LIST - ()

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**SES-MOD-20150722-00472** E E5419 Alascom, Inc.

Application for Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

Alascom, Inc. requests modification of its fixed earth station in Egegik, AK, to remove and add emission designators and related services to communicate with Permitted List satellites, in the 5925-6425 MHz (Earth-to-space), and 3700-4200 MHz (space-to-Earth) frequency bands.

SITE ID: 1

LOCATION: NSN, EGEGIK, AK

58 ° 12 ' 50.60 " N LAT.

157 ° 22 ' 20.40 " W LONG.

ANTENNA ID: 1 4.5 meters ANDREW CORPORATION

5925.0000 - 6425.0000 MHz	15M0G7W	60.80 dBW	VARIOUS PSK & QAM - VOICE AND DATA
3700.0000 - 4200.0000 MHz	15M0G7W		VARIOUS PSK & QAM - VOICE AND DATA
3700.0000 - 4200.0000 MHz	30K0G7W		VARIOUS PSK & QAM - DATA
5925.0000 - 6425.0000 MHz	30K0G7W	52.90 dBW	VARIOUS PSK & QAM - DATA

**Points of Communication:**

1 - PERMITTED LIST - ()

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