



PUBLIC NOTICE

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

News media information 202-418-0500
 Internet: <http://www.fcc.gov> (or <ftp.fcc.gov>)
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Report No. SES-01540

Wednesday April 3, 2013

Satellite Communications Services Information re: Actions Taken

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

SES-AMD-20120923-00843 E E120144 SATCOM Digital Networks, LLC
 Amendment
 Grant of Authority Date Effective: 03/27/2013

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
 LOCATION: 20 Leonberg Rd. Suite E, Butler, Cranberry Township, PA
 40 ° 42 ' 25.00 " N LAT. 80 ° 5 ' 44.00 " W LONG.

ANTENNA ID:	2	5.5 meters	RSI	551KS
	14000.0000 - 14500.0000 MHz	26M0G7F	76.20 dBW	Digital Compressed Video
	11700.0000 - 12200.0000 MHz	26M0G7F		Digital Compressed Video
ANTENNA ID:	1	6.4 meters	Satcom Tech	640KS
	14000.0000 - 14500.0000 MHz	23M0G7W	80.92 dBW	Digital, QPSK, Various Modulation, Various FEC
	13780.0000 - 14000.0000 MHz	23M0G7W	80.92 dBW	Digital Compressed Video
	13750.0000 - 13770.0000 MHz	20M0G7W	80.92 dBW	Digital Compressed Video
	11700.0000 - 12200.0000 MHz	23M0G7W		

Points of Communication:

- 1 - ALSAT - (ALSAT)
- 1 - AMAZONAS 1 (S2622) - (61 W.L.)

SES-AMD-20130201-00147 E E000355 Intelsat License LLC

Amendment

Grant of Authority

Date Effective: 03/28/2013

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: MTN-C61

LOCATION: 17625 TECHNOLOGY BLVD., WASHINGTON, HAGERSTOWN, MD

39 ° 35 ' 54.70 " N LAT.

77 ° 45 ' 21.90 " W LONG.

ANTENNA ID:	9.3M.	9.3 meters	ANDREW	ES9.3B	
	5925.0000 - 6425.0000 MHz		56K0G7W	62.70 dBW	DIGITAL DATA VOICE AND VIDEO SERVICES
	5925.0000 - 6425.0000 MHz		660KF2D	73.30 dBW	TT&C
	5925.0000 - 6425.0000 MHz		1M00F2D	75.20 dBW	TT&C
	5925.0000 - 6425.0000 MHz		NON	51.20 dBW	IOT
	3700.0000 - 4200.0000 MHz		72M0G7W		DIGITAL DATA VOICE AND VIDEO SERVICES
	3700.0000 - 4200.0000 MHz		56K0G7W		DIGITAL DATA VOICE AND VIDEO SERVICES
	5925.0000 - 6425.0000 MHz		72M0G7W	82.70 dBW	DIGITAL DATA VOICE AND VIDEO SERVICES
	3700.0000 - 4200.0000 MHz		660KF2D		TT&C
	3700.0000 - 4200.0000 MHz		1M00F2D		TT&C
	3700.0000 - 4200.0000 MHz		NON		IOT

Points of Communication:

MTN-C61 - ALSAT - (ALSAT)

SES-LIC-20120724-00688 E E120144 SATCOM Digital Networks, LLC

Application for Authority

03/27/2013 - 03/27/2028

Grant of Authority

Date Effective: 03/27/2013

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 20 Leonberg Rd. Suite E, Butler, Cranberry Township, PA

40 ° 42 ' 25.00 " N LAT.

80 ° 5 ' 44.00 " W LONG.

ANTENNA ID:	2	5.5 meters	RSI	551KS
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14000.0000 - 14500.0000 MHz	26M0G7F	76.20 dBW	Digital Compressed Video
11700.0000 - 12200.0000 MHz	26M0G7F		Digital Compressed Video
ANTENNA ID: 1	6.4 meters	Satcom Tech	640KS
11700.0000 - 12200.0000 MHz	23M0G7W		
14000.0000 - 14500.0000 MHz	23M0G7W	80.92 dBW	Digital, QPSK, Various Modulation, Various FEC
13750.0000 - 13770.0000 MHz	20M0G7W	80.92 dBW	Digital Compressed Video
13780.0000 - 14000.0000 MHz	23M0G7W	80.92 dBW	Digital Compressed Video

Points of Communication:

1 - ALSAT - (ALSAT)

1 - AMAZONAS 1 (S2622) - (61 W.L.)

SES-LIC-20130221-00197	E E130037	Skybox Imaging, Inc.	
Application for Authority			03/28/2013 - 03/28/2028
Grant of Authority			Date Effective: 03/28/2013

Class of Station: Fixed Earth Stations

Nature of Service: Earth Exploration Satellite Service

SITE ID: 1
LOCATION: 1 Meyn Road, San Mateo County, Half Moon Bay, CA
37 ° 23 ' 6.40 " N LAT. 122 ° 24 ' 45.70 " W LONG.

ANTENNA ID: 1	1.8 meters	Orbital Systems LLC	1.8AEHT
8374.7440 - 8375.2560 MHz	256KG1D	0.00 dBW	Digital/Telemetry
8379.7440 - 8380.2560 MHz	256KG1D	0.00 dBW	Digital/Telemetry
2080.8900 - 2081.1100 MHz	110KF1D	39.00 dBW	Digital/Telemetry
2082.8900 - 2083.1100 MHz	110KF1D	39.00 dBW	Digital/Telemetry
8045.0000 - 8105.0000 MHz	60MOG1D	0.00 dBW	Digital/Data Downlink
8170.0000 - 8230.0000 MHz	60MOD1D	0.00 dBW	Digital/Data Downlink
8295.0000 - 8355.0000 MHz	60MOD1D	0.00 dBW	Digital/Data Downlink

Points of Communication:

1 - SkyBox 1 - (NGSO)

1 - SkyBox 2 - (NGSO)

SES-MFS-20120517-00444 E E060101 RAYSAT ANTENNA SYSTEMS, LLC

Modification

02/15/2008 - 02/15/2023

Grant of Authority

Date Effective: 04/01/2013

Class of Station: Other

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

SITE ID: REMOTE 1

LOCATION: OPERATE UP .124 MOBILE TERMINALS, VARIOUS, 400 UNITS

ANTENNA ID:	Remote1	0.124 meters	RAYSAT	STEALTHRAY
14000.0000 - 14500.0000 MHz			9M47G7W	41.20 dBW PSK
14000.0000 - 14500.0000 MHz			2M07G7W	35.70 dBW PSK
14000.0000 - 14500.0000 MHz			10M7G7W	41.20 dBW PSK
14000.0000 - 14500.0000 MHz			518KG7W	35.70 dBW BPSK, RATE 1/3 DIGITAL CARRIER
11700.0000 - 12200.0000 MHz			36M0G7W	BROADBAND DIGITAL DATA RECEIVE
11700.0000 - 12200.0000 MHz			512KG7W	NARROWBAND DIGITAL DATA RECEIVE
11700.0000 - 12200.0000 MHz			9M47G7W	PSK
11700.0000 - 12200.0000 MHz			2M07G7W	PSK
11700.0000 - 12200.0000 MHz			10M7G7W	PSK

SITE ID: CONUS

LOCATION: VARIOUS, VARIOUS (400 UNITS)

ANTENNA ID:	Remote2	0.243 meters	RAYSAT ANTENNA SYSTEMS	WR-2000/3000
14000.0000 - 14500.0000 MHz			4M05G7W	38.60 dBW PSK
14000.0000 - 14500.0000 MHz			8M06G7W	41.20 dBW PSK
14000.0000 - 14500.0000 MHz			8M06G7W	41.20 dBW PSK
11700.0000 - 12200.0000 MHz			1M45G7W	PSK
11700.0000 - 12200.0000 MHz			36M0G7W	PSK

ANTENNA ID:	Remote3	0.347 meters	RAYSAT ANTENNA SYSTEMS	SR-5000
14000.0000 - 14500.0000 MHz			4M05G7W	38.90 dBW PSK

14000.0000 - 14500.0000 MHz	10M13G7W	40.40 dBW	PSK
14000.0000 - 14500.0000 MHz	13M57G7W	43.40 dBW	PSK
11700.0000 - 12200.0000 MHz	1M45G7W		PSK
11700.0000 - 12200.0000 MHz	26M8G7W		PSK
ANTENNA ID: Remote4	0.569 meters	RAYSAT ANTENNA SYSTEMS	E-7000
14000.0000 - 14500.0000 MHz	7M04G7W	47.20 dBW	PSK
14000.0000 - 14500.0000 MHz	9M72G7W	46.90 dBW	PSK
14000.0000 - 14500.0000 MHz	21M57G7W	50.90 dBW	PSK
11700.0000 - 12200.0000 MHz	54M0G7W		PSK
11700.0000 - 12200.0000 MHz	724K1G72		PSK

Points of Communication:

CONUS - ALSAT - (ALSAT)

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

CONUS - AMC 21 - (125 W.L.)

CONUS - AMC-5 (S2156) - (81.0 W.L.)

CONUS - AMC-6 - (72 W.L.)

CONUS - ESTRELA DO SUL 2 - (63 W.L.)

CONUS - GALAXY 16 - (99 W.L.)

CONUS - HORIZONS 1 - (127 WL)

CONUS - SES-1 - (101 W.L.)

REMOTE 1 - AMAZONAS 2 (S2793) - (61 W.L.)

REMOTE 1 - AMC 21 - (125 W.L.)

REMOTE 1 - AMC-5 (S2156) - (81.0 W.L.)

REMOTE 1 - AMC-6 - (72 W.L.)

REMOTE 1 - ESTRELA DO SUL 2 - (63 W.L.)

REMOTE 1 - GALAXY 16 - (99 W.L.)

REMOTE 1 - HORIZONS 1 - (127 WL)

REMOTE 1 - SES-1 - (101 W.L.)

SES-MFS-20120517-00445 E E060447 RAYSAT ANTENNA SYSTEMS, LLC

Modification

02/15/2008 - 02/15/2023

Grant of Authority

Date Effective: 04/01/2013

Class of Station: Other

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

SITE ID: REMOTE 1

LOCATION: OPERATE UP .124 MOBILE TERMINALS, VARIOUS, 400 UNITS

ANTENNA ID:	Remote1	0.124 meters	RAYSAT	STEALTHRAY
	14000.0000 - 14500.0000 MHz		518KG7W 35.70 dBW	BPSK, RATE 1/3 DIGITAL CARRIER
	11700.0000 - 12200.0000 MHz		512KG7W	NARROWBAND DIGITAL DATA RECEIVE
	11700.0000 - 12200.0000 MHz		36M0G7W	BROADBAND DIGITAL DATA RECEIVE
	14000.0000 - 14500.0000 MHz		9M47G7W 41.20 dBW	PSK
	14000.0000 - 14500.0000 MHz		2M07G7W 35.70 dBW	PSK
	14000.0000 - 14500.0000 MHz		10M7G7W 41.20 dBW	PSK
	11700.0000 - 12200.0000 MHz		9M47G7W	PSK
	11700.0000 - 12200.0000 MHz		2M07G7W	PSK
	11700.0000 - 12200.0000 MHz		10M7G7W	PSK

SITE ID: CONUS

LOCATION: VARIOUS, VARIOUS (400 UNITS)

ANTENNA ID:	Remote2	0.243 meters	RAYSAT ANTENNA SYSTEMS	SR-2000/3000
	14000.0000 - 14500.0000 MHz		8M06G7W 41.20 dBW	PSK
	14000.0000 - 14500.0000 MHz		12M36G7W 41.20 dBW	PSK
	11700.0000 - 12200.0000 MHz		1M45G7W	PSK
	11700.0000 - 12200.0000 MHz		36M0G7W	PSK
	14000.0000 - 14500.0000 MHz		4M05G7W 38.60 dBW	PSK

ANTENNA ID:	Remote3	0.347 meters	RAYSAT ANTENNA SYSTEMS	SR-5000
	14000.0000 - 14500.0000 MHz		10M13G7W 40.40 dBW	PSK
	14000.0000 - 14500.0000 MHz		13M57G7W 43.40 dBW	PSK

11700.0000 - 12200.0000 MHz	1M45G7W		PSK
11700.0000 - 12200.0000 MHz	26M8G7W		PSK
14000.0000 - 14500.0000 MHz	4M05G7W	38.90 dBW	PSK
ANTENNA ID: Remote4	0.569 meters	RAYSAT ANTENNA SYSTEMS	E-7000
14000.0000 - 14500.0000 MHz	9M72G7W	46.90 dBW	PSK
14000.0000 - 14500.0000 MHz	21M57G7W	50.90 dBW	PSK
11700.0000 - 12200.0000 MHz	54M0G7W		PSK
11700.0000 - 12200.0000 MHz	724K1G7W		PSK
14000.0000 - 14500.0000 MHz	7M04G7W	47.20 dBW	PSK

Points of Communication:

CONUS - ALSAT - (ALSAT)

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

CONUS - AMC 21 - (125 W.L.)

CONUS - AMC-5 (S2156) - (81.0 W.L.)

CONUS - AMC-6 - (72 W.L.)

CONUS - ESTRELA DO SUL 2 - (63 W.L.)

CONUS - GALAXY 16 - (99 W.L.)

CONUS - HORIZONS 1 - (127 WL)

CONUS - SES-1 - (101 W.L.)

REMOTE 1 - AMAZONAS 2 (S2793) - (61 W.L.)

REMOTE 1 - AMC 1 - (103 W.L.)

REMOTE 1 - AMC-5 (S2156) - (81.0 W.L.)

REMOTE 1 - AMC-6 - (72 W.L.)

REMOTE 1 - ESTRELA DO SUL 2 - (63 W.L.)

REMOTE 1 - GALAXY 16 - (99 W.L.)

REMOTE 1 - HORIZONS 1 - (127 WL)

REMOTE 1 - SES-1 - (101 W.L.)

SES-MFS-20120517-00446 E E060448 RAYSAT ANTENNA SYSTEMS, LLC

Modification

02/15/2008 - 02/15/2023

Grant of Authority

Date Effective: 04/01/2013

Class of Station: Other

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

SITE ID: REMOTE 1

LOCATION: OPERATE UP .124 MOBILE TERMINALS, VARIOUS, 400 UNITS

ANTENNA ID:	Remote1	0.124 meters	RAYSAT	STEALTHRAY
	14000.0000 - 14500.0000 MHz		518KG7W 35.70 dBW	BPSK, RATE 1/3 DIGITAL CARRIER
	11700.0000 - 12200.0000 MHz		512KG7W	NARROWBAND DIGITAL DATA RECEIVE
	11700.0000 - 12200.0000 MHz		36M0G7W	BROADBAND DIGITAL DATA RECEIVE
	14000.0000 - 14500.0000 MHz		9M47G7W 41.20 dBW	PSK
	14000.0000 - 14500.0000 MHz		2M07G7W 35.70 dBW	PSK
	14000.0000 - 14500.0000 MHz		10M7G7W 41.20 dBW	PSK
	11700.0000 - 12200.0000 MHz		9M47G7W	PSK
	11700.0000 - 12200.0000 MHz		2M07G7W	PSK
	11700.0000 - 12200.0000 MHz		10M7G7W	PSK

SITE ID: CONUS

LOCATION: VARIOUS, VARIOUS (400 UNITS)

ANTENNA ID:	Remote2	0.243 meters	RAYSAT ANTENNA SYSTEMS	SR-2000/3000
	14000.0000 - 14500.0000 MHz		4M05G7W 38.60 dBW	PSK
	14000.0000 - 14500.0000 MHz		8M06G7W 41.20 dBW	PSK
	14000.0000 - 14500.0000 MHz		12M36G7W 41.20 dBW	PSK
	11700.0000 - 12200.0000 MHz		1M45G7W	PSK
	11700.0000 - 12200.0000 MHz		36M0G7W	PSK

ANTENNA ID:	Remote3	0.347 meters	RAYSAT ANTENNA SYSTEMS	SR-5000
	14000.0000 - 14500.0000 MHz		4M05G7W 38.90 dBW	PSK
	14000.0000 - 14500.0000 MHz		10M13G7W 40.40 dBW	PSK

14000.0000 - 14500.0000 MHz	13M57G7W	43.40 dBW	PSK
11700.0000 - 12200.0000 MHz	1M45G7W		PSK
11700.0000 - 12200.0000 MHz	26M8G7W		PSK
ANTENNA ID: Remote4	0.569 meters	RAYSAT ANTENNA SYSTEMS	E-7000
14000.0000 - 14500.0000 MHz	7M0FG7W	47.20 dBW	PSK
14000.0000 - 14500.0000 MHz	9M72G7W	46.90 dBW	PSK
14000.0000 - 14500.0000 MHz	21M57G7W	50.90 dBW	PSK
11700.0000 - 12200.0000 MHz	54M0G7W		PSK
11700.0000 - 12200.0000 MHz	72K1G7W		PSK

Points of Communication:

CONUS - ALSAT - (ALSAT)

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

CONUS - AMC 21 - (125 W.L.)

CONUS - AMC-5 (S2156) - (81.0 W.L.)

CONUS - AMC-6 - (72 W.L.)

CONUS - ESTRELA DO SUL 2 - (63 W.L.)

CONUS - GALAXY 16 - (99 W.L.)

CONUS - HORIZONS 1 - (127 WL)

CONUS - SES-1 - (101 W.L.)

REMOTE 1 - AMAZONAS 2 (S2793) - (61 W.L.)

REMOTE 1 - AMC 21 - (125 W.L.)

REMOTE 1 - AMC-5 (S2156) - (81.0 W.L.)

REMOTE 1 - AMC-6 - (72 W.L.)

REMOTE 1 - ESTRELA DO SUL 2 - (63 W.L.)

REMOTE 1 - GALAXY 16 - (99 W.L.)

REMOTE 1 - HORIZONS 2 - (74.05 DEG)

REMOTE 1 - SES-1 - (101 W.L.)

SES-MFS-20120517-00447 E E060449 RAYSAT ANTENNA SYSTEMS, LLC

Modification

02/15/2008 - 02/15/2023

Grant of Authority

Date Effective: 04/01/2013

Class of Station: Mobile Earth Station

Nature of Service: Fixed Satellite Service, Mobile Satellite Service

SITE ID: REMOTE 1

LOCATION: OPERATE UP .124 MOBILE TERMINALS, VARIOUS, 400 UNITS

ANTENNA ID:	Remote1	0.124 meters	RAYSAT	STEALTHRAY
	14000.0000 - 14500.0000 MHz		518KG7W 35.70 dBW	BPSK, RATE 1/3 DIGITAL CARRIER
	11700.0000 - 12200.0000 MHz		512KG7W	NARROWBAND DIGITAL DATA RECEIVE
	11700.0000 - 12200.0000 MHz		36M0G7W	BROADBAND DIGITAL DATA RECEIVE
	14000.0000 - 14500.0000 MHz		9M47G7W 41.20 dBW	PSK
	14000.0000 - 14500.0000 MHz		2M07G7W 35.70 dBW	PSK
	14000.0000 - 14500.0000 MHz		10M7G7W 41.20 dBW	PSK
	11700.0000 - 12200.0000 MHz		9M47G7W	PSK
	11700.0000 - 12200.0000 MHz		2M07G7W	PSK
	11700.0000 - 12200.0000 MHz		10M7G7W	PSK

SITE ID: REMOTE 2

LOCATION: OPERATE UP 0.243 MOBILE TERMINALS, VARIOUS, 400 UNITS

ANTENNA ID:	Remote2	0.243 meters	RAYSAT ANTENNA SYSTEMS	SR-2000/3000
	14000.0000 - 14500.0000 MHz		12M36G7W 41.20 dBW	PSK
	14000.0000 - 14500.0000 MHz		8M06G7W 41.20 dBW	PSK
	14000.0000 - 14500.0000 MHz		4M05G7W 38.60 dBW	PSK
	11700.0000 - 12200.0000 MHz		36M0G7W	PSK
	11700.0000 - 12200.0000 MHz		1M45G7W	PSK

SITE ID: REMOTE 3

LOCATION: OPERATE UP 0.347 MOBILE TERMINALS, VARIOUS, 400 UNITS

ANTENNA ID:	Remote3	0.347 meters	RAYSAT ANTENNA SYSTEMS	SR-5000
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14000.0000 - 14500.0000 MHz	13M57G7W	43.40 dBW	PSK
14000.0000 - 14500.0000 MHz	10M13G7W	40.40 dBW	PSK
14000.0000 - 14500.0000 MHz	4M05G7W	38.90 dBW	PSK
11700.0000 - 12200.0000 MHz	26M8G7W		PSK
11700.0000 - 12200.0000 MHz	1M45G7W		PSK

SITE ID: REMOTE 4
LOCATION: OPERATE UP 0.569 MOBILE TERMINALS, VARIOUS, 400 UNITS

ANTENNA ID: Remote4	0.569 meters	RAYSAT ANTENNA SYSTEMS	E-7000
14000.0000 - 14500.0000 MHz	21M57G7W	50.90 dBW	PSK
14000.0000 - 14500.0000 MHz	9M72G7W	46.90 dBW	PSK
14000.0000 - 14500.0000 MHz	7M04G7W	47.20 dBW	PSK
11700.0000 - 12200.0000 MHz	724K1G7W		PSK
11700.0000 - 12200.0000 MHz	54M0G7W		PSK

Points of Communication:

- REMOTE 1 - ALSAT - (ALSAT)
- REMOTE 1 - AMC-4 (formerly GE-4 - (101 W.L.))
- REMOTE 1 - AMC-5 (S2156) - (79 W.L.)
- REMOTE 1 - AMC-6 - (72 W.L.)
- REMOTE 1 - GALAXY 4R - (99 W.L.)
- REMOTE 1 - HORIZONS 1 - (127 WL)
- REMOTE 1 - HORIZONS 2 - (74.05 DEG)
- REMOTE 1 - IA-7 - (129 W.L.)
- REMOTE 1 - INTELSAT 8 - (89 W.L.)
- REMOTE 2 - ALSAT - (ALSAT)
- REMOTE 2 - AMAZONAS 2 (S2793) - (61 W.L.)
- REMOTE 2 - AMC 21 - (125 W.L.)
- REMOTE 2 - AMC-5 (S2156) - (81.0 W.L.)
- REMOTE 2 - AMC-6 - (72 W.L.)

REMOTE 2 - ESTRELA DO SUL 1 - (63 W.L.)

REMOTE 2 - GALAXY 16 - (99 W.L.)

REMOTE 2 - HORIZONS 1 - (127 WL)

REMOTE 2 - SES-1 - (101 W.L.)

REMOTE 3 - ALSAT - (ALSAT)

REMOTE 3 - AMAZONAS 2 (S2793) - (61 W.L.)

REMOTE 3 - AMC 21 - (125 W.L.)

REMOTE 3 - AMC-5 (S2156) - (81.0 W.L.)

REMOTE 3 - AMC-6 - (72 W.L.)

REMOTE 3 - ESTRELA DO SUL 1 - (63 W.L.)

REMOTE 3 - GALAXY 16 - (99 W.L.)

REMOTE 3 - HORIZONS 1 - (127 WL)

REMOTE 3 - SES-1 - (101 W.L.)

REMOTE 4 - ALSAT - (ALSAT)

REMOTE 4 - AMAZONAS 2 (S2793) - (61 W.L.)

REMOTE 4 - AMC 21 - (125 W.L.)

REMOTE 4 - AMC-5 (S2156) - (81.0 W.L.)

REMOTE 4 - AMC-6 - (72 W.L.)

REMOTE 4 - ESTRELA DO SUL 1 - (63 W.L.)

REMOTE 4 - GALAXY 16 - (99 W.L.)

REMOTE 4 - HORIZONS 1 - (127 WL)

REMOTE 4 - SES-1 - (101 W.L.)

SES-MFS-20120517-00448 E E060450 RAYSAT ANTENNA SYSTEMS, LLC

Modification

02/15/2008 - 02/15/2023

Grant of Authority

Date Effective: 04/01/2013

Class of Station: Mobile Earth Station

Nature of Service: Fixed Satellite Service, Mobile Satellite Service

SITE ID: REMOTE 1

LOCATION: OPERATE UP .124 MOBILE TERMINALS, VARIOUS, 400 UNITS

ANTENNA ID: Remote1

0.124 meters

RAYSAT

STEALTHRAY

14000.0000 - 14500.0000 MHz	518KG7W	35.70 dBW	BPSK, RATE 1/3 DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	512KG7W		NARROWBAND DIGITAL DATA RECEIVE
11700.0000 - 12200.0000 MHz	36M0G7W		BROADBAND DIGITAL DATA RECEIVE
14000.0000 - 14500.0000 MHz	9M47G7W	41.20 dBW	PSK
14000.0000 - 14500.0000 MHz	2M07G7W	35.70 dBW	PSK
14000.0000 - 14500.0000 MHz	10M7G7W	41.20 dBW	PSK
11700.0000 - 12200.0000 MHz	9M47G7W		PSK
11700.0000 - 12200.0000 MHz	2M07G7W		PSK
11700.0000 - 12200.0000 MHz	10M7G7W		PSK

SITE ID: REMOTE 2
LOCATION: OPERATE UP 0.243 MOBILE TERMINALS, VARIOUS, 400 UNITS

ANTENNA ID: Remote2	0.243 meters	RAYSAT ANTENNA SYSTEMS	SR-2000/3000
14000.0000 - 14500.0000 MHz	12M36G7W	41.20 dBW	PSK
14000.0000 - 14500.0000 MHz	8M06G7W	41.20 dBW	PSK
14000.0000 - 14500.0000 MHz	4M05G7W	38.60 dBW	PSK
11700.0000 - 12200.0000 MHz	36M0G7W		PSK
11700.0000 - 12200.0000 MHz	1M45G7W		PSK

SITE ID: REMOTE 3
LOCATION: OPERATE UP 0.347 MOBILE TERMINALS, VARIOUS, 400 UNITS

ANTENNA ID: Remote3	0.347 meters	RAYSAT ANTENNA SYSTEMS	SR-5000
14000.0000 - 14500.0000 MHz	13M57G7W	43.40 dBW	PSK
14000.0000 - 14500.0000 MHz	10M13G7W	40.40 dBW	PSK
14000.0000 - 14500.0000 MHz	4M05G7W	38.90 dBW	PSK
11700.0000 - 12200.0000 MHz	26M8G7W		PSK
11700.0000 - 12200.0000 MHz	1M45G7W		PSK

SITE ID: REMOTE 4
LOCATION: OPERATE UP 0.569 MOBILE TERMINALS, VARIOUS, 400 UNITS

ANTENNA ID:	Remote4	0.569 meters	RAYSAT ANTENNA SYSTEMS	E-7000
	14000.0000 - 14500.0000 MHz	21M57G7W	50.90 dBW	PSK
	14000.0000 - 14500.0000 MHz	9M72G7W	46.90 dBW	PSK
	14000.0000 - 14500.0000 MHz	7M04G7W	47.20 dBW	PSK
	11700.0000 - 12200.0000 MHz	724K1G7W		PSK
	11700.0000 - 12200.0000 MHz	54M0G7W		PSK

Points of Communication:

REMOTE 1 - ALSAT - (ALSAT)

REMOTE 1 - AMC-4 (formerly GE-4 - (101 W.L.)

REMOTE 1 - AMC-5 (S2156) - (79 W.L.)

REMOTE 1 - AMC-6 - (72 W.L.)

REMOTE 1 - GALAXY 4R - (99 W.L.)

REMOTE 1 - HORIZONS 1 - (127 WL)

REMOTE 1 - HORIZONS 2 - (74.05 DEG)

REMOTE 1 - IA-7 - (129 W.L.)

REMOTE 1 - INTELSAT 8 - (89 W.L.)

REMOTE 2 - ALSAT - (ALSAT)

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

REMOTE 2 - AMC 21 - (125 W.L.)

REMOTE 2 - AMC-5 (S2156) - (81.0 W.L.)

REMOTE 2 - AMC-6 - (72 W.L.)

REMOTE 2 - ESTRELA DO SUL 1 - (63 W.L.)

REMOTE 2 - GALAXY 16 - (99 W.L.)

REMOTE 2 - HORIZONS 1 - (127 WL)

REMOTE 2 - SES-1 - (101 W.L.)

REMOTE 3 - ALSAT - (ALSAT)

REMOTE 3 - AMAZONAS 2 (S2793) - (61 W.L.)

REMOTE 3 - AMC 21 - (125 W.L.)

REMOTE 3 - AMC-5 (S2156) - (81.0 W.L.)

REMOTE 3 - AMC-6 - (72 W.L.)

REMOTE 3 - ESTRELA DO SUL 1 - (63 W.L.)

REMOTE 3 - GALAXY 16 - (99 W.L.)

REMOTE 3 - HORIZONS 1 - (127 WL)

REMOTE 3 - SES-1 - (101 W.L.)

REMOTE 4 - ALSAT - (ALSAT)

REMOTE 4 - AMAZONAS 2 (S2793) - (61 W.L.)

REMOTE 4 - AMC 21 - (125 W.L.)

REMOTE 4 - AMC-5 (S2156) - (81.0 W.L.)

REMOTE 4 - AMC-6 - (72 W.L.)

REMOTE 4 - ESTRELA DO SUL 1 - (63 W.L.)

REMOTE 4 - GALAXY 16 - (99 W.L.)

REMOTE 4 - HORIZONS 1 - (127 WL)

REMOTE 4 - SES-1 - (101 W.L.)

SES-MFS-20120517-00449 E E060451 RAYSAT ANTENNA SYSTEMS, LLC

Modification

02/15/2008 - 02/15/2023

Grant of Authority

Date Effective: 04/01/2013

Class of Station: Mobile Earth Station

Nature of Service: Fixed Satellite Service, Mobile Satellite Service

SITE ID: REMOTE 1

LOCATION: OPERATE UP .124 MOBILE TERMINALS, VARIOUS, 400 UNITS

ANTENNA ID:	Remote1	0.124 meters	RAYSAT	STEALTHRAY
	14000.0000 - 14500.0000 MHz	518KG7W	35.70 dBW	BPSK, RATE 1/3 DIGITAL CARRIER
	11700.0000 - 12200.0000 MHz	512KG7W		NARROWBAND DIGITAL DATA RECEIVE
	11700.0000 - 12200.0000 MHz	36M0G7W		BROADBAND DIGITAL DATA RECEIVE
	14000.0000 - 14500.0000 MHz	9M47G7W	41.20 dBW	PSK
	14000.0000 - 14500.0000 MHz	2M07G7W	35.70 dBW	PSK
	14000.0000 - 14500.0000 MHz	10M7G7W	41.20 dBW	PSK
	11700.0000 - 12200.0000 MHz	9M47G7W		PSK

11700.0000 - 12200.0000 MHz	2M07G7W	PSK
11700.0000 - 12200.0000 MHz	10M7G7W	PSK

SITE ID: REMOTE 2
LOCATION: OPERATE UP 0.243 MOBILE TERMINALS, VARIOUS, 400 UNITS

ANTENNA ID: Remote2	0.243 meters	RAYSAT ANTENNA SYSTEMS	SR-2000/3000
14000.0000 - 14500.0000 MHz	12M36G7W	41.20 dBW	PSK
14000.0000 - 14500.0000 MHz	8M06G7W	41.20 dBW	PSK
14000.0000 - 14500.0000 MHz	4M05G7W	38.60 dBW	PSK
11700.0000 - 12200.0000 MHz	36M0G7W	PSK	
11700.0000 - 12200.0000 MHz	1M45G7W	PSK	

SITE ID: REMOTE 3
LOCATION: OPERATE UP 0.347 MOBILE TERMINALS, VARIOUS, 400 UNITS

ANTENNA ID: Remote3	0.347 meters	RAYSAT ANTENNA SYSTEMS	SR-5000
14000.0000 - 14500.0000 MHz	13M57G7W	43.40 dBW	PSK
14000.0000 - 14500.0000 MHz	10M13G7W	40.40 dBW	PSK
14000.0000 - 14500.0000 MHz	4M05G7W	38.90 dBW	PSK
11700.0000 - 12200.0000 MHz	26M8G7W	PSK	
11700.0000 - 12200.0000 MHz	1M45G7W	PSK	

SITE ID: REMOTE 4
LOCATION: OPERATE UP 0.569 MOBILE TERMINALS, VARIOUS, 400 UNITS

ANTENNA ID: Remote4	0.569 meters	RAYSAT ANTENNA SYSTEMS	E-7000
14000.0000 - 14500.0000 MHz	21M57G7W	50.90 dBW	PSK
14000.0000 - 14500.0000 MHz	9M72G7W	46.90 dBW	PSK
14000.0000 - 14500.0000 MHz	7M04G7W	47.20 dBW	PSK
11700.0000 - 12200.0000 MHz	724K1G7W	PSK	
11700.0000 - 12200.0000 MHz	54M0G7W	PSK	

Points of Communication:

REMOTE 1 - ALSAT - (ALSAT)

REMOTE 1 - AMC-4 (formerly GE-4 - (101 W.L.)

REMOTE 1 - AMC-5 (S2156) - (79 W.L.)

REMOTE 1 - AMC-6 - (72 W.L.)

REMOTE 1 - GALAXY 4R - (99 W.L.)

REMOTE 1 - HORIZONS 1 - (127 WL)

REMOTE 1 - HORIZONS 2 - (74.05 DEG)

REMOTE 1 - IA-7 - (129 W.L.)

REMOTE 1 - INTELSAT 8 - (89 W.L.)

REMOTE 2 - ALSAT - (ALSAT)

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

REMOTE 2 - AMC 21 - (125 W.L.)

REMOTE 2 - AMC-5 (S2156) - (81.0 W.L.)

REMOTE 2 - AMC-6 - (72 W.L.)

REMOTE 2 - ESTRELA DO SUL 1 - (63 W.L.)

REMOTE 2 - GALAXY 16 - (99 W.L.)

REMOTE 2 - HORIZONS 1 - (127 WL)

REMOTE 2 - SES-1 - (101 W.L.)

REMOTE 3 - ALSAT - (ALSAT)

REMOTE 3 - AMAZONAS 2 (S2793) - (61 W.L.)

REMOTE 3 - AMC 21 - (125 W.L.)

REMOTE 3 - AMC-5 (S2156) - (81.0 W.L.)

REMOTE 3 - AMC-6 - (72 W.L.)

REMOTE 3 - ESTRELA DO SUL 1 - (63 W.L.)

REMOTE 3 - GALAXY 16 - (99 W.L.)

REMOTE 3 - HORIZONS 1 - (127 WL)

REMOTE 3 - SES-1 - (101 W.L.)

REMOTE 4 - ALSAT - (ALSAT)

REMOTE 4 - AMAZONAS 2 (S2793) - (61 W.L.)

REMOTE 4 - AMC 21 - (125 W.L.)

REMOTE 4 - AMC-5 (S2156) - (81.0 W.L.)

REMOTE 4 - AMC-6 - (72 W.L.)

REMOTE 4 - ESTRELA DO SUL 1 - (63 W.L.)

REMOTE 4 - GALAXY 16 - (99 W.L.)

REMOTE 4 - HORIZONS 1 - (127 WL)

REMOTE 4 - SES-1 - (101 W.L.)

SES-MFS-20120913-00816 E E000355 Intelsat License LLC

Modification

09/25/2010 - 09/25/2025

Grant of Authority

Date Effective: 03/28/2013

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: MTN-C61

LOCATION: 17625 TECHNOLOGY BLVD., WASHINGTON, HAGERSTOWN, MD

39 ° 35 ' 54.70 " N LAT.

77 ° 45 ' 21.90 " W LONG.

ANTENNA ID: 9.3M. 9.3 meters ANDREW ES9.3B

5925.0000 - 6425.0000 MHz 72M0G7W 82.70 dBW DIGITAL DATA VOICE AND VIDEO SERVICES

3700.0000 - 4200.0000 MHz 72M0G7W DIGITAL DATA VOICE AND VIDEO SERVICES

5925.0000 - 6425.0000 MHz 56K0G7W 62.70 dBW DIGITAL DATA VOICE AND VIDEO SERVICES

3700.0000 - 4200.0000 MHz 56K0G7W DIGITAL DATA VOICE AND VIDEO SERVICES

5925.0000 - 6425.0000 MHz 660KF2D 73.30 dBW TT&C

5925.0000 - 6425.0000 MHz 1M00F2D 75.20 dBW TT&C

5925.0000 - 6425.0000 MHz NON 51.20 dBW IOT

3700.0000 - 4200.0000 MHz 660KF2D TT&C

3700.0000 - 4200.0000 MHz 1M00F2D TT&C

3700.0000 - 4200.0000 MHz NON IOT

Points of Communication:

MTN-C61 - ALSAT - (ALSAT)

SES-MFS-20121203-01049 E E080058 EchoStar Broadcasting Corporation
 Modification 04/30/2008 - 04/30/2023
 Grant of Authority Date Effective: 03/28/2013

Class of Station: Fixed Earth Stations

Nature of Service: Direct Broadcast Satellite Service

SITE ID: 1
 LOCATION: 801 N. DISH DRIVE, MARICOPA, GILBERT, AZ
 33 ° 21 ' 55.60 " N LAT. 111 ° 48 ' 49.10 " W LONG.

ANTENNA ID:	GD9	9 meters	VERTEX	9m
	17790.0000 - 17800.0000 MHz		1M50F3D	80.84 dBW Ranging Tones
	17790.0000 - 17800.0000 MHz		800KG2D	78.10 dBW Telecommand
	17300.0000 - 17310.0000 MHz		1M50F3D	80.84 dBW Ranging Tones
	17300.0000 - 17310.0000 MHz		800KG2D	78.10 dBW Telecommand
	12690.0000 - 12700.0000 MHz		1M50F3D	0.00 dBW Spacecraft Ranging Tones
	12690.0000 - 12700.0000 MHz		1M50F2D	0.00 dBW Telemetry
	12200.0000 - 12210.0000 MHz		1M50F3D	0.00 dBW Spacecraft Ranging Tones
	12200.0000 - 12210.0000 MHz		1M50F2D	0.00 dBW Telemetry
	17310.0000 - 17790.0000 MHz		24M0G7W	86.50 dBW Digital Data and Compressed Video
	12210.0000 - 12690.0000 MHz		24M0G7W	0.00 dBW Digital Data and Compressed Video
ANTENNA ID:	GD10	9 meters	VERTEX	9m
	17790.0000 - 17800.0000 MHz		800KG2D	78.10 dBW Telecommand
	17310.0000 - 17790.0000 MHz		24M0G7W	86.50 dBW Digital Data and Compressed Video
	17300.0000 - 17310.0000 MHz		1M50F3D	80.84 dBW Ranging Tones
	12690.0000 - 12700.0000 MHz		1M50F3D	0.00 dBW Spacecraft Ranging Tones
	12690.0000 - 12700.0000 MHz		1M50F2D	0.00 dBW Telemetry
	12210.0000 - 12690.0000 MHz		24M0G7W	0.00 dBW Digital Data and Compressed Video
	12200.0000 - 12210.0000 MHz		1M50F2D	0.00 dBW Telemetry
	17790.0000 - 17800.0000 MHz		1M50F3D	80.84 dBW Ranging Tones
	17300.0000 - 17310.0000 MHz		800KG2D	78.10 dBW Telecommand

12200.0000 - 12210.0000 MHz	1M50F3D	0.00 dBW	Spacecraft Ranging Tones
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Points of Communication:

- 1 - EHOSTAR 1 - (77 W.L.)
- 1 - EHOSTAR 2 - (148 W.L.)
- 1 - EHOSTAR 3 - (61.5 W.L.)
- 1 - EHOSTAR 4 - (77 W.L.)
- 1 - EHOSTAR 5 - (129 W.L.)
- 1 - EHOSTAR 6 - (110 W.L.)
- 1 - EHOSTAR 6 - (72.7 W.L.)
- 1 - EHOSTAR 7 - (119 W.L.)
- 1 - EHOSTAR 8 - (110 W.L.)
- 1 - EHOSTAR 8 - (77 W.L.)
- 1 - EHOSTAR 8 (MEX) - (76.9)
- 1 - EHOSTAR I - (148.0 W.L.)
- 1 - QUETZSAT-1 - (77.05 W.L.)
- 1 - RAINBOW1 - (61.5 W.L.)

SES-MFS-20121203-01050	E E980174	EchoStar Broadcasting Corporation	05/29/2008 - 05/29/2023
Modification			Date Effective: 03/28/2013
Grant of Authority			

Class of Station: Fixed Earth Stations

Nature of Service: Direct Broadcast Satellite Service

SITE ID: GILBERT #2
LOCATION: 801 N. DISH DRIVE (#2), MARICOPA, GILBERT, AZ
33 ° 21 ' 55.30 " N LAT. 111 ° 48 ' 48.20 " W LONG.

ANTENNA ID:	GT5	13 meters	VERTEX	13 KPK
17300.0000 - 17800.0000 MHz		24M0G7W	87.08 dBW	DIGITAL VIDEO, VOICE, DATA
17790.0000 - 17800.0000 MHz		800KG2D	72.31 dBW	TELECOMMAND
17300.0000 - 17310.0000 MHz		800KG2D	72.31 dBW	TELECOMMAND
12200.0000 - 12700.0000 MHz		24M0G7W		DIGITAL VIDEO, VOICE, DATA
12690.0000 - 12700.0000 MHz		800KG2D		TELEMETRY

12200.0000 - 12210.0000 MHz

800KG2D

TELEMETRY

Points of Communication:

GILBERT #2 - CIEL 2 - (128.85 W.L.)

GILBERT #2 - ECHOSTAR 1 - (77.15 W.L.)

GILBERT #2 - ECHOSTAR 10 - (110.2 W.L.)

GILBERT #2 - ECHOSTAR 11 - (110 W.L.)

GILBERT #2 - ECHOSTAR 12 - (61.35 W.L.)

GILBERT #2 - ECHOSTAR 14 - (118.9 W.L.)

GILBERT #2 - ECHOSTAR 15 - (61.55 W.L.)

GILBERT #2 - ECHOSTAR 3 - (61.45)

GILBERT #2 - ECHOSTAR 7 - (118.8 W.L.)

GILBERT #2 - ECHOSTAR 8 - (77 W.L.)

GILBERT #2 - ECHOSTAR 8 - (77.05 W.L.)

GILBERT #2 - ECHOSTAR 8 (MEX) - (76.9)

GILBERT #2 - ECHOSTAR/DISH - ()

GILBERT #2 - NIMIQ 5 - (72.7 W.L.)

SES-MFS-20121203-01051 E E980180 EchoStar Broadcasting Corporation

Modification

05/29/2008 - 05/29/2023

Grant of Authority

Date Effective: 03/28/2013

Class of Station: Fixed Earth Stations

Nature of Service: Direct Broadcast Satellite Service, Fixed Satellite Service

SITE ID: 1

LOCATION: 801 N. DISH DRIVE, MARICOPA, GILBERT, AZ

33 ° 21 ' 56.50 " N LAT.

111 ° 48 ' 48.20 " W LONG.

ANTENNA ID: 1 13 meters VERTEX 13 KPK

17790.0000 - 17800.0000 MHz 800KG2D 72.31 dBW TELECOMMAND

17300.0000 - 17800.0000 MHz 24M0G7W 87.08 dBW DIGITAL VIDEO, VOICE AND DATA

12200.0000 - 12210.0000 MHz 800KG2D 0.00 dBW TELEMETRY

12690.0000 - 12700.0000 MHz 800KG2D TELEMETRY

17300.0000 - 17310.0000 MHz 800KG2D 72.31 dBW TELECOMMAND

12200.0000 - 12700.0000 MHz

24M0G7W

DIGITAL VIDEO, VOICE AND DATA

Points of Communication:

1 - CIEL 2 - (128.85 W.L)

1 - EHOSTAR 8 - (77 W.L.)

1 - EHOSTAR 8 (MEX) - (76.9)

1 - EHOSTAR/DISH - ()

1 - NIMIQ 5 - (72.7 W.L.)

SES-MFS-20121203-01052 E E080120 EchoStar Broadcasting Corporation

Modification

11/03/2008 - 11/03/2023

Grant of Authority

Date Effective: 03/28/2013

Class of Station: Fixed Earth Stations

Nature of Service: Direct Broadcast Satellite Service, Fixed Satellite Service

SITE ID: 1

LOCATION: 530 EHOSTAR DRIVE, LARAMIE, CHEYENNE, WY

41 ° 7 ' 54.40 " N LAT.

104 ° 44 ' 13.00 " W LONG.

ANTENNA ID:	D1	9 meters	VERTEX	9M.	
	12200.0000 - 12210.0000 MHz		800KG2D	0.00 dBW	Telemetry
	12690.0000 - 12700.0000 MHz		800KG2D	0.00 dBW	Telemetry
	17790.0000 - 17800.0000 MHz		800KG2D	78.10 dBW	Telecommand
	12200.0000 - 12210.0000 MHz		1M50F3D	0.00 dBW	Ranging Tones
	12690.0000 - 12700.0000 MHz		1M50F3D	0.00 dBW	Ranging Tones
	17790.0000 - 17800.0000 MHz		1M50F3D	80.84 dBW	Ranging Tones
	12210.0000 - 12700.0000 MHz		24M0G7W	0.00 dBW	Digital Data and Compressed Video
	17790.0000 - 17800.0000 MHz		24M0G7W	86.50 dBW	Digital Data and Compressed Video
	17300.0000 - 17310.0000 MHz		800KG2D	78.10 dBW	Telecommand
	17300.0000 - 17310.0000 MHz		1M50F3D	80.84 dBW	Ranging Tones
ANTENNA ID:	D2	9 meters	VERTEX	9M.	
	12690.0000 - 12700.0000 MHz		800KG2D	0.00 dBW	Telemetry
	17300.0000 - 17310.0000 MHz		800KG2D	78.10 dBW	Telecommand

17790.0000 - 17800.0000 MHz	800KG2D	78.10 dBW	Telecommand
12200.0000 - 12210.0000 MHz	1M50F3D	0.00 dBW	Ranging Tones
12690.0000 - 12700.0000 MHz	1M50F3D	0.00 dBW	Ranging Tones
12210.0000 - 12700.0000 MHz	24M0G7W	0.00 dBW	Digital Data and Compressed Video
17300.0000 - 17800.0000 MHz	24M0G7W	86.50 dBW	Digital Data and Compressed Video
17300.0000 - 17310.0000 MHz	1M50F3D	80.84 dBW	Ranging Tones
12200.0000 - 12210.0000 MHz	800KG2D	0.00 dBW	Telemetry
17790.0000 - 17800.0000 MHz	1M50F3D	80.84 dBW	Ranging Tones

Points of Communication:

- 1 - EHOSTAR 10 - (110.2 W.L.)
- 1 - EHOSTAR 2 - (148 W.L.)
- 1 - EHOSTAR 3 - (61.5 W.L.)
- 1 - EHOSTAR 4 - (77 W.L.)
- 1 - EHOSTAR 5 - (129 W.L.)
- 1 - EHOSTAR 6 - (110 W.L.)
- 1 - EHOSTAR 7 - (119 W.L.)
- 1 - EHOSTAR 8 - (110 W.L.)
- 1 - EHOSTAR 8 - (76.85)
- 1 - EHOSTAR 8 (MEX) - (76.9)
- 1 - EHOSTAR I - (148.0 W.L.)
- 1 - RAINBOW1 - (61.5 W.L.)

SES-MOD-20121217-01115 E E010082 HARRIS CAPROCK COMMUNICATIONS, INC.
Application for Modification 05/18/2011 - 05/18/2026
Grant of Authority Date Effective: 03/28/2013

Class of Station: VSAT Network

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: VSAT (2.4 METER), CONUS (100 UNITS)

ANTENNA ID: REMOTE 1A 2.4 meters PRODELIN 1251

14000.0000 - 14500.0000 MHz	76K8G7D	48.03 dBW	DIGITAL, QPSK, FEC 1/2, 64 KB/S
14000.0000 - 14500.0000 MHz	307KG7D	54.06 dBW	DIGITAL, QPSK, FEC 1/2, 256 KB/S
11700.0000 - 12200.0000 MHz	76K8G7D		DIGITAL, QPSK, FEC 1/2, 64 KB/S
11700.0000 - 12200.0000 MHz	307KG7D		DIGITAL, QPSK, FEC 1/2, 256 KB/S

SITE ID: 2
LOCATION: VSAT (1.8 METER), CONUS (100 UNITS)

ANTENNA ID: REMOTE 2A	1.8 meters	PRODELIN	1194
14000.0000 - 14500.0000 MHz	76K8G7D	45.53 dBW	DIGITAL, QPSK, FEC 1/2, 64 KB/S
14000.0000 - 14500.0000 MHz	307KG7D	51.55 dBW	DIGITAL, QPSK, FEC 1/2, 256 KB/S
11700.0000 - 12200.0000 MHz	76K8G7D		DIGITAL, QPSK, FEC 1/2, 64 KB/S
11700.0000 - 12200.0000 MHz	307KG7D		DIGITAL, QPSK, FEC 1/2, 256 KB/S

SITE ID: 3
LOCATION: VSAT (1.2 METER), CONUS (100 UNITS)

ANTENNA ID: REMOTE 3A	1.2 meters	PRODELIN	1134
14000.0000 - 14500.0000 MHz	76K8G7D	41.83 dBW	DIGITAL, QPSK, FEC 1/2, 64 KB/S
14000.0000 - 14500.0000 MHz	307KG7D	47.85 dBW	DIGITAL, QPSK, FEC 1/2, 256 KB/S
11700.0000 - 12200.0000 MHz	76K8G7D		DIGITAL, QPSK, FEC 1/2, 64 KB/S
11700.0000 - 12200.0000 MHz	307KG7D		DIGITAL, QPSK, FEC 1/2, 256 KB/S

SITE ID: 4
LOCATION: VSAT (2.4 METER), CONUS (250 UNITS)

ANTENNA ID: REMOTE 4A	2.4 meters	PRODELIN	1241
14000.0000 - 14500.0000 MHz	1M44G7W	53.15 dBW	DIGITAL
14000.0000 - 14500.0000 MHz	180KG7W	44.15 dBW	DIGITAL
11700.0000 - 12200.0000 MHz	1M44G7W		DIGITAL
11700.0000 - 12200.0000 MHz	180KG7W		DIGITAL

Points of Communication:

- 1 - ALSAT - (ALSAT)
- 2 - ALSAT - (ALSAT)

3 - ALSAT - (ALSAT)

4 - ALSAT - (ALSAT)

4 - GALAXY 25 (S2154) - (93.1 W.L.)

SES-STA-20130222-00206 E E020306 EchoStar Broadcasting Corporation

Special Temporary Authority

Grant of Authority

Date Effective: 04/01/2013

Class of Station:

On April 1, 2013, EchoStar Broadcasting Corporation was granted special temporary authority, with conditions, from April 1, 2013, to May 31, 2013, to operate its Gilbert, AZ, fixed earth station to communicate with the EchoStar 6 satellite, Call Sign S2232, as necessary to drift the EchoStar 6 satellite from its current orbital location of 76.8° W.L. to the 96.2° W.L. orbital location and to maintain EchoStar 6 at that location using the following center frequencies: 17.305 GHz (Earth to space); and 12.203 GHz and 12.204 GHz (space to Earth).

Points of Communication:

SES-STA-20130222-00207 E E080120 EchoStar Broadcasting Corporation

Special Temporary Authority

Grant of Authority

Date Effective: 04/01/2013

Class of Station:

On April 1, 2013, EchoStar Broadcasting Corporation was granted special temporary authority, with conditions, from April 1, 2013, to May 31, 2013, to operate its Cheyenne, WY, fixed earth station to communicate with the EchoStar 6 satellite, Call Sign S2232, as necessary, to drift the EchoStar 6 satellite from its current orbital location of 76.8° W.L. to the 96.2° W.L. orbital location and to maintain EchoStar 6 at that location using the following center frequencies: 17.305 GHz (Earth to space); and 12.203 GHz and 12.204 GHz (space to Earth).

Points of Communication:

SES-STA-20130222-00208 E E070273 EchoStar Broadcasting Corporation

Special Temporary Authority

Grant of Authority

Date Effective: 04/01/2013

Class of Station:

On April 1, 2013, EchoStar Broadcasting Corporation was granted special temporary authority, with conditions, from April 1, 2013, to May 31, 2013, to operate its Quicksburg, VA, fixed earth station to communicate with the EchoStar 6 satellite, Call Sign S2232, as necessary, to drift the EchoStar 6 satellite from its current orbital location of 76.8° W.L. to the 96.2° W.L. orbital location and to maintain EchoStar 6 at that location using the following center frequencies: 17.305 GHz (Earth to space); and 12.203 GHz and 12.204 GHz (space to Earth). The grant also authorized EchoStar to provide feeder link services to EchoStar 6 in the 12.2-12.7 (space-to-Earth) and 17.3-17.8 GHz (Earth-to-space) frequency bands at the 96.2° W.L. orbital location.

Points of Communication:

SES-STA-20130301-00222 E E090027 COMTECH MOBILE DATACOM CORP.

Special Temporary Authority

Grant of Authority

Date Effective: 04/01/2013

Class of Station:

On April 1, 2013, Comtech Mobile Datacom Corp. was granted special temporary authority, with conditions, for a period of 60 days, to continue to operate blanket licensed half-duplex terminals in the 1631.5-1660.5 MHz (Earth-to-Space) and 1530-1559 MHz (space-to-Earth) frequency bands and to operate Site ID "R-OldM-AKHI" within the parameters specified in its pending application for regular authority, IBFS File No. SES-MOD-20130206-00159.

Points of Communication:

SES-STA-20130314-00252 E E130049 LIVING FAITH MINISTRIES INC.
Special Temporary Authority
Grant of Authority

Date Effective: 03/29/2013

Class of Station:

On March 29, 2013, Living Faith Ministries Inc. was granted special temporary authority for a period of 60 days, to operate a temporary-fixed earth station in the 14.0-14.5 GHz (Earth-to-space) frequency band specifying ALSAT as a point of communication.

Points of Communication:

SES-STA-20130318-00269 E E040125 Intelsat License LLC
Special Temporary Authority
Grant of Authority

Date Effective: 03/25/2013

Class of Station:

On March 25, 2013, Intelsat License LLC was granted special temporary authority, with conditions, for a period of 30 days, to use its Riverside, CA, fixed earth station to provide launch and early orbit phase services (LEOP) for the SatMex 8 satellite at the 114.9° W.L. orbital location on the following center frequencies: 5926.5 MHz and 6424.5 MHz (Earth-to-space); and 4198.6 MHz and 4199.4 MHz (space-to-Earth).

Points of Communication:

SES-STA-20130326-00294 E Dome Productions
Special Temporary Authority
Grant of Authority

Date Effective: 04/01/2013

Class of Station:

On April 1, 2013, Dome Productions was granted special temporary authority, with conditions, for a period of 30 days, to use a 1.8-meter fixed earth station in Kansas City, MO, to communicate with the Galaxy 17 satellite at the 91° W.L. orbital location in the 14.0-14.5 GHz (Earth-to-space) and 11.7-12.2 GHz (space-to-Earth) frequency bands.

Points of Communication:

Dismissal

SES-STA-20130220-00200 E980180 EchoStar Broadcasting Corporation

Dismissed as moot due to grant of File No. SES-MFS-20121203-01051 on March 28, 2013.

SES-STA-20130220-00201 E080120 EchoStar Broadcasting Corporation

Dismissed as moot due to grant of File No. SES-MFS-20121203-01052 on March 28, 2013.

SES-STA-20130220-00202 E980174 EchoStar Broadcasting Corporation

Dismissed as moot due to grant of File No. SES-MFS-20121203-01050 on March 28, 2013.

SES-STA-20130220-00203 E080058 EchoStar Broadcasting Corporation

Dismissed as moot due to grant of File No. SES-MFS-20121203-01049 on March 28, 2013.

SURRENDER

SES-RWL-20101025-01329 E000631 GCI Communication Corp.

SURRENDER

License has been surrendered by letter dated March 22, 2013.

SES-RWL-20101025-01331 E000639 GCI Communication Corp.

License has been surrendered by letter dated March 22, 2013.

SES-RWL-20101025-01333 E000636 GCI Communication Corp.

License has been surrendered by letter dated March 22, 2013.

SES-RWL-20101025-01335 E000628 GCI Communication Corp.

License has been surrendered by letter dated March 22, 2013.

For more information concerning this Notice, contact the Satellite Division at 418-0719; TTY 202-418-2555.