



PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION
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Report No. SES-01614

Thursday January 23, 2014

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-20130725-00665 E E130093 Orange Business Services U.S. Inc

Amendment

Grant of Authority

Date Effective: 01/15/2014

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

Nature of Service: Fixed Satellite Service

SITE ID: MVSAT1

LOCATION: NOC Washington Media Port (50 UNITS) 8000 Gainesford Ct., Prince William, Bristow, VA

ANTENNA ID:	MVSAT1	1 meters	Cobham SeaTel	4006
14000.0000 - 14500.0000 MHz	1M21G1D	48.80 dBW	TDMA QPSK Data	
11700.0000 - 12200.0000 MHz	1M21G1D	0.00 dBW	TDMA QPSK Data	
11450.0000 - 11700.0000 MHz	1M21G1D	0.00 dBW	TDMA QPSK Data	
10950.0000 - 11200.0000 MHz	1M21G1D	0.00 dBW	TDMA QPSK Data	

SITE ID: MVSAT2

LOCATION: NOC Washington Media Port (50 UNITS) 8000 Gainesford Ct., Prince William, Bristow, VA

ANTENNA ID:	MVSAT2	1 meters	Cobham SeaTel	4009
14000.0000 - 14500.0000 MHz	1M21G1D	49.40 dBW	TDMA QPSK Data	
11700.0000 - 12200.0000 MHz	1M21G1D	0.00 dBW	TDMA QPSK Data	
11450.0000 - 11700.0000 MHz	1M21G1D	0.00 dBW	TDMA QPSK Data	

10950.0000 - 11200.0000 MHz	1M21G1D	0.00 dBW	TDMA QPSK Data
Points of Communication:			
MVSAT1 - DIRECTV - (Various)			
MVSAT1 - NSS-7 (S2463) - (20 W.L.)			
MVSAT1 - TELSTAR 11N (S2357) - (37.5 W.L.)			
MVSAT2 - DIRECTV - (Various)			
MVSAT2 - NSS-7 (S2463) - (20 W.L.)			
MVSAT2 - TELSTAR 11N (S2357) - (37.5 W.L.)			
SES-AMD-20130916-00811	E E130093	Orange Business Services U.S. Inc	
Amendment			
Grant of Authority			Date Effective: 01/15/2014
Class of Station:	Other		
Nature of Service:	Fixed Satellite Service		
SITE ID:	MVSAT2		
LOCATION:	NOC Washington Media Port (50 UNITS) 8000 Gainesford Ct., Prince William, Bristow, VA		
ANTENNA ID:	MVSAT2	1 meters	Cobham SeaTel 4006
14000.0000 - 14500.0000 MHz	1M21G1D	49.40 dBW	TDMA QPSK Data
11700.0000 - 12200.0000 MHz	1M21G1D	0.00 dBW	TDMA QPSK Data
11450.0000 - 11700.0000 MHz	1M21G1D	0.00 dBW	TDMA QPSK Data
10950.0000 - 11200.0000 MHz	1M21G1D	0.00 dBW	TDMA QPSK Data
SITE ID:	MVSAT1		
LOCATION:	NOC Washington Media Port (50 UNITS) 8000 Gainesford Ct., Prince William, Bristow, VA		
ANTENNA ID:	MVSAT1	1 meters	Cobham SeaTel 4009
14000.0000 - 14500.0000 MHz	1M21G1D	48.80 dBW	TDMA QPSK Data
11700.0000 - 12200.0000 MHz	1M21G1D	0.00 dBW	TDMA QPSK Data
11450.0000 - 11700.0000 MHz	1M21G1D	0.00 dBW	TDMA QPSK Data
10950.0000 - 11200.0000 MHz	1M21G1D	0.00 dBW	TDMA QPSK Data
Points of Communication:			
MVSAT1 - SES-4 (S2828) - (22.0 W.L.)			

MVSAT1 - TELSTAR 11N (S2357) - (37.5 W.L.)

MVSAT2 - SES-4 (S2828) - (22.0 W.L.)

MVSAT2 - TELSTAR 11N (S2357) - (37.5 W.L.)

SES-LIC-20130517-00396

E E130093

Orange Business Services U.S. Inc

Application for Authority

01/15/2014 - 01/15/2029

Grant of Authority

Date Effective: 01/15/2014

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

Nature of Service: Fixed Satellite Service

SITE ID: MVSAT1

LOCATION: NOC Washington Media Port (50 UNITS) 8000 Gainesford Ct., Prince William, Bristow, VA

ANTENNA ID:	MVSAT1	1 meters	Cobham SeaTel	4009
10950.0000 - 11200.0000 MHz	1M21G1D	0.00 dBW	TDMA QPSK Data	
11450.0000 - 11700.0000 MHz	1M21G1D	0.00 dBW	TDMA QPSK Data	
11700.0000 - 12200.0000 MHz	1M21G1D	0.00 dBW	TDMA QPSK Data	
14000.0000 - 14500.0000 MHz	1M21G1D	48.80 dBW	TDMA QPSK Data	

SITE ID: MVSAT2

LOCATION: NOC Washington Media Port (50 UNITS) 8000 Gainesford Ct., Prince William, Bristow, VA

ANTENNA ID:	MVSAT2	1 meters	Cobham SeaTel	4006
10950.0000 - 11200.0000 MHz	1M21G1D	0.00 dBW	TDMA QPSK Data	
11450.0000 - 11700.0000 MHz	1M21G1D	0.00 dBW	TDMA QPSK Data	
11700.0000 - 12200.0000 MHz	1M21G1D	0.00 dBW	TDMA QPSK Data	
14000.0000 - 14500.0000 MHz	1M21G1D	49.40 dBW	TDMA QPSK Data	

Points of Communication:

MVSAT1 - SES-4 (S2828) - (22.0 W.L.)

MVSAT1 - TELSTAR 11N (S2357) - (37.5 W.L.)

MVSAT2 - SES-4 (S2828) - (22.0 W.L.)

MVSAT2 - TELSTAR 11N (S2357) - (37.5 W.L.)

SES-LIC-20131210-01181	E	E130233	Post-Newsweek Stations, San Antonio, Inc.	
Application for Authority				01/16/2014 - 01/16/2029
Grant of Authority				Date Effective: 01/16/2014

Class of Station: Temporary Fixed Earth Station

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: (DSNG Truck), TRANSPORTABLE

ANTENNA ID:	1	1.25 meters	GENERAL DYNAMICS SATCOM	C125M.
	14000.0000 - 14500.0000 MHz	36M0G7W	62.15 dBW	Compressed Video and Audio

Points of Communication:

1 - PERMITTED LIST - ()

SES-LIC-20131213-01188	E	E130236	Telecommunications Support Services, Inc.	EZ
Application for Authority				01/21/2014 - 01/21/2029
Grant of Authority				Date Effective: 01/21/2014

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: COVINGTON AVENUE, MONROE, KEY WEST, FL
24 ° 32 ' 47.20 " N LAT. 81 ° 48 ' 16.50 " W LONG.

ANTENNA ID:	1	9.3 meters	VERTEX	9.3 KPC
	5925.0000 - 6425.0000 MHz	135KG7D	51.70 dBW	Digital Data
	5925.0000 - 6425.0000 MHz	807KG7D	57.20 dBW	Digital Data
	5925.0000 - 6425.0000 MHz	1M08G7D	58.85 dBW	Digital Data
	5925.0000 - 6425.0000 MHz	57K6G7D	46.80 dBW	Digital Data
	3700.0000 - 4200.0000 MHz	135KG7D		Digital Data
	3700.0000 - 4200.0000 MHz	807KG7D		Digital Data
	3700.0000 - 4200.0000 MHz	1M08G7D		Digital Data
	3700.0000 - 4200.0000 MHz	57K6G7D		Digital Data

Points of Communication:

1 - PERMITTED LIST - ()

SES-MFS-20120322-00290 E E060445 HNS License Sub, LLC

Modification

02/27/2007 - 02/27/2022

Granted in Part/ Deferred in Part

Date Effective: 06/20/2013

Class of Station: Other

Nature of Service: Fixed Satellite Service

On June 20, 2013, HNS License Sub, LLC's application for modification was granted in part and deferred in part. Satellite Communications Services Information, Actions Taken, Report No. SES-01563 (rel. June 26, 2013). The deferred portion of the application related to operations in the 29.25-29.3 GHz frequency band. On January 17, 2014, the authorization was reissued to grant the deferred portion of the application to operate with: the Echostar XVII satellite at the 121° W.L. orbital location in the 29.25- 29.5 GHz frequency band, the Spaceway 1 satellite at the 103° W.L. orbital location in the 29.25- 29.5 GHz frequency band and the Spaceway 2 satellite at the 99° W.L. orbital location in the 29.26-29.425 GHz frequency band.

SITE ID: TR3.5M

LOCATION: 50,000 (3.5m) CONUS, AK, HI, PR, VI

0 ° 0 ' 0.00 " N LAT.

0 ° 0 ' 0.00 " W LONG.

ANTENNA ID:	TR3.5	3.5 meters	Andrew	ES35SRT-1
29500.0000 - 30000.0000 MHz	20M9G7W	75.40 dBW	16.348 MBPS, PSK, DIGITAL CARRIER	
29500.0000 - 30000.0000 MHz	2M61G7W	66.30 dBW	2.048 MBPS, PSK, DIGITAL CARRIER	
29500.0000 - 30000.0000 MHz	650KG7W	60.30 dBW	512 KBPS, PSK, DIGITAL CARRIER	
19700.0000 - 20200.0000 MHz	500MG7W	500 MHZ WIDE, PSK, DIGITAL CARRIER		
29250.0000 - 29500.0000 MHz	650KG7W	60.30 dBW	512 KBPS, PSK, DIGITAL CARRIER	
29250.0000 - 29500.0000 MHz	20M9G7W	75.40 dBW	2,048 MBPS, PSK, DIGITAL CARRIER	
18300.0000 - 19300.0000 MHz	100KG7W	100 KHZ WIDE, PSK, DIGITAL CARRIER		
18300.0000 - 19300.0000 MHz	500MG7W	500 MHZ WIDE, PSK, DIGITAL CARRIER		
19700.0000 - 20200.0000 MHz	100KG7W	100 KHZ WIDE, PSK, DIGITAL CARRIER		

SITE ID: TFTR1.2M

LOCATION: 1000 (1.2M) CONUS, AK, HI, PR, VI

ANTENNA ID:	TFTR1.2	1.2 meters	AVL TECHNOLOGIES	1210K
29500.0000 - 30000.0000 MHz	100KG7W	42.70 dBW	QPSK, DATA, INROUTE, 64 KSPS	
29250.0000 - 30000.0000 MHz	2M00G7W	55.90 dBW	QPSK, DATA, INROUTE, 1600 KSPS	
29250.0000 - 30000.0000 MHz	2M61G7W	55.90 dBW	QPSK, DATA, INROUTE, 2048 KSPS	

19700.0000 - 20200.0000 MHz	100KG7W		QPSK, DATA, OUTROUTE, 64 KSPS
19700.0000 - 20200.0000 MHz	500MG7W		QPSK, DATA, OUTROUTE, 30 MSPS
29250.0000 - 29500.0000 MHz	100KG7W	42.70 dBW	QPSK, DATA, INROUTE, 64 KSPS
29250.0000 - 29500.0000 MHz	2M61G7W	55.90 dBW	QPSK, DATA, INROUTE, 2048 KSPS
18300.0000 - 19300.0000 MHz	100KG7W		QPSK, DATA, OUTROUTE, 64 KSPS
18300.0000 - 19300.0000 MHz	2M61G7W		500 MHZ WIDE, PSK, DIGITAL CARRIER
SITE ID: TFTR74CM LOCATION: 25,000 (74cm) CONUS, AK, HI, PR, VI 0 ° 0 ' 0.00 " N LAT. 0 ° 0 ' 0.00 " W LONG.			
ANTENNA ID: 74CM(TA)	0.74 meters	Prodelin	HNS1031929
29500.0000 - 30000.0000 MHz	650KG7W	47.00 dBW	512 KBPS, PSK, DIGITAL CARRIER
19700.0000 - 20200.0000 MHz	500MG7W		500 MHZ WIDE, PSK, DIGITAL CARRIER
18300.0000 - 18800.0000 MHz	500MG7W		500 MHZ WIDE, PSK, DIGITAL CARRIER
28350.0000 - 28600.0000 MHz	650KG7W	47.00 dBW	512 KSPS, PSK, DIGITAL CARRIER
18300.0000 - 18800.0000 MHz	500MG7W		500 MHZ WIDE, PSK, DIGITAL CARRIER
28350.0000 - 28600.0000 MHz	650KG7W	47.00 dBW	512 KBPS, PSK, DIGITAL CARRIER
29250.0000 - 29500.0000 MHz	650KG7W	47.00 dBW	512 KBPS, PSK, DIGITAL CARRIER
18300.0000 - 19300.0000 MHz	100KG7W		100 KHZ WIDE, PSK, DIGITAL CARRIER
18800.0000 - 19300.0000 MHz	500MG7W		500 MHZ WIDE, PSK, DIGITAL CARRIER
19700.0000 - 20200.0000 MHz	100KG7W		100 KHZ WIDE, PSK, DIGITAL CARRIER
ANTENNA ID: 74CM(TB)	0.74 meters	Raven	AN8-074R
29500.0000 - 30000.0000 MHz	650KG7W	47.00 dBW	512 KSPS, PSK, DIGITAL CARRIER
19700.0000 - 20200.0000 MHz	500MG7W		500 MHZ, PSK, DIGITAL CARRIER
18300.0000 - 18800.0000 MHz	500MG7W		500 MHZ WIDE, PSK, DIGITAL CARRIER

	28350.0000 - 28600.0000 MHz	650KG7W	45.80 dBW	512 KBPS, PSK, DIGITAL CARRIER
	29250.0000 - 29500.0000 MHz	650KG7W	45.80 dBW	512 KBPS, PSK, DIGITAL CARRIER
	18300.0000 - 18800.0000 MHz	500MG7W		500 MHZ, PSK, DIGITAL CARRIER
	28350.0000 - 28600.0000 MHz	650KG7W	45.80 dBW	512 KSPS, PSK, DIGITAL CARRIER
	29250.0000 - 29500.0000 MHz	650KG7W	45.80 dBW	512 KSPS, PSK, DIGITAL CARRIER
	18300.0000 - 19300.0000 MHz	100KG7W		100 KHZ WIDE, PSK, DIGITAL CARRIER
	18800.0000 - 19300.0000 MHz	500MG7W		500 MHZ WIDE, PSK, DIGITAL CARRIER
	19700.0000 - 20200.0000 MHz	100KG7W		100 KHZ WIDE, PSK, DIGITAL CARRIER
ANTENNA ID:	74CM(TC)	0.74 meters	GD SATCOM	AN8-074P
	29500.0000 - 30000.0000 MHz	650KG7W	47.00 dBW	512 KSPS, PSK, DIGITAL CARRIER
	19700.0000 - 20200.0000 MHz	500MG7W		500 MHZ, PSK, DIGITAL CARRIER
	18300.0000 - 18800.0000 MHz	500MG7W		500 MHZ WIDE, PSK, DIGITAL CARRIER
	28350.0000 - 28600.0000 MHz	650KG7W	47.00 dBW	512 KSPS, PSK, DIGITAL CARRIER
	29250.0000 - 29500.0000 MHz	650KG7W	47.00 dBW	512 KSPS, PSK, DIGITAL CARRIER
	18300.0000 - 18800.0000 MHz	500MG7W		500 MHZ WIDE, PSK, DIGITAL CARRIER
	28350.0000 - 28600.0000 MHz	650KG7W	47.00 dBW	512 KBPS, PSK, DIGITAL CARRIER
	29250.0000 - 29500.0000 MHz	650KG7W	47.00 dBW	512 KBPS, PSK, DIGITAL CARRIER
	18300.0000 - 19300.0000 MHz	100KG7W		100 KHZ WIDE, PSK, DIGITAL CARRIER
	18800.0000 - 19300.0000 MHz	500MG7W		500 MHZ WIDE, PSK, DIGITAL CARRIER
	19700.0000 - 20200.0000 MHz	100KG7W		100 KHZ WIDE, PSK, DIGITAL CARRIER
SITE ID:	TFTR98CM			
LOCATION:	10,000 (98cm) CONUS, AK, HI, PR, VI			
	0 ° 0 ' 0.00 " N LAT.		0 ° 0 ' 0.00 " W LONG.	
ANTENNA ID:	TFTR98(2)	0.98 meters	Raven Mfg.Ltd.	AN8-098RAN-098KA

	29500.0000 - 30000.0000 MHz	650KG7W	49.40 dBW	512 KBPS, PSK, DIGITAL CARRIER
	29500.0000 - 30000.0000 MHz	2M61G7W	53.40 dBW	2.048 MBPS, PSK, DIGITAL CARRIER
	19700.0000 - 20200.0000 MHz	500MG7W		500 MHZ WIDE, PSK, DIGITAL CARRIER
	29250.0000 - 29500.0000 MHz	650KG7W	49.40 dBW	512 KBPS, PSK, DIGITAL CARRIER
	29250.0000 - 29500.0000 MHz	2M61G7W	53.40 dBW	2.048 MBPS, PSK, DIGITAL CARRIER
	18300.0000 - 19300.0000 MHz	100KG7W		100 KHZ WIDE, PSK, DIGITAL CARRIER
	18300.0000 - 19300.0000 MHz	500MG7W		500 MHZ WIDE, PSK, DIGITAL CARRIER
	19700.0000 - 20200.0000 MHz	100KG7W		100 KHZ WIDE, PSK, DIGITAL CARRIER
ANTENNA ID:	TFTR98CM	0.98 meters	GD SATCOM	AN8-098P
	29500.0000 - 30000.0000 MHz	650KG7W	49.40 dBW	512 KBPS, PSK, DIGITAL CARRIER
	29500.0000 - 30000.0000 MHz	2M61G7W	53.40 dBW	2.048 MBPS, PSK, DIGITAL CARRIER
	19700.0000 - 20200.0000 MHz	500MG7W		500 MHZ WIDE, PSK, DIGITAL CARRIER
	29250.0000 - 29500.0000 MHz	650KG7W	49.40 dBW	512 KBPS, PSK, DIGITAL CARRIER
	29250.0000 - 29500.0000 MHz	2M61G7W	53.40 dBW	2.048 MBPS, PSK, DIGITAL CARRIER
	18300.0000 - 19300.0000 MHz	100KG7W		100 KHZ WIDE, PSK, DIGITAL CARRIER
	18300.0000 - 19300.0000 MHz	500MG7W		500 MHZ WIDE, PSK, DIGITAL CARRIER
	19700.0000 - 20200.0000 MHz	100KG7W		100 MHZ WIDE, PSK, DIGITAL CARRIER
ANTENNA ID:	TFTR98(3)	0.98 meters	AVL TECHNOLOGIES	1010K
	29500.0000 - 30000.0000 MHz	500MG7W	41.20 dBW	QPSK, DATA, INROUTE, 64 KSPS
	29500.0000 - 30000.0000 MHz	1M48G7W	52.90 dBW	QPSK, DATA, INROUTE, 1100 KSPS
	29500.0000 - 30000.0000 MHz	2M61G7W	52.90 dBW	QPSK, DATA, INROUTE, 2048 KSPS
	19700.0000 - 20200.0000 MHz	100KG7W		QPSK, DATA, OUTROUTE, 64 KSPS
	19700.0000 - 20200.0000 MHz	500MG7W		QPSK, DATA, OUTROUTE, 30 MSPS

	29250.0000 - 29500.0000 MHz	2M61G7W	52.90 dBW	QPSK, DATA, INROUTE, 204K KSPS
	29250.0000 - 29500.0000 MHz	500MG7W	41.20 dBW	QPSK, DATA, INROUTE, 64 KSPS
	18300.0000 - 19300.0000 MHz	100KG7W		QPSK, DATA, OUTROUTE, 64 KSPS
	18300.0000 - 19300.0000 MHz	500MG7W		QPSK, DATA, OUTROUTE, 30 MSPS
SITE ID:	TR98CM			
LOCATION:	250,000 (98cm) CONUS, AK, HI, PR, VI			
	0 ° 0 ' 0.00 " N LAT.		0 ° 0 ' 0.00 " W LONG.	
ANTENNA ID:	TR98CM(1)	0.98 meters	GD SATCOM	AN8-098P
	29500.0000 - 30000.0000 MHz	650KG7W	49.40 dBW	512 KBPS, PSK, DIGITAL CARRIER
	29500.0000 - 30000.0000 MHz	2M61G7W	53.40 dBW	2.048 MBPS, PSK, DIGITAL CARRIER
	19700.0000 - 20200.0000 MHz	500MG7W		500 MHZ WIDE, PSK, DIGITAL CARRIER
	29250.0000 - 29500.0000 MHz	2M61G7W	53.40 dBW	2.048 MBPS, PSK, DIGITAL CARRIER
	29250.0000 - 29500.0000 MHz	650KG7W	49.40 dBW	512 KBPS, PSK, DIGITAL CARRIER
	18300.0000 - 19300.0000 MHz	100KG7W		100 KHZ WIDE, PSK, DIGITAL CARRIER
	18300.0000 - 19300.0000 MHz	500MG7W		500 MHZ WIDE, PSK, DIGITAL CARRIER
	19700.0000 - 20200.0000 MHz	100KG7W		100 KHZ WIDE, PSK, DIGITAL CARRIER
ANTENNA ID:	TR98CM(2)	0.98 meters	Raven Mfg. Ltd.	AN8-098R
	29500.0000 - 30000.0000 MHz	650KG7W	49.40 dBW	512 KBPS, PSK, DIGITAL CARRIER
	29500.0000 - 30000.0000 MHz	2M61G7W	53.40 dBW	2.048 MBPS, PSK, DIGITAL CARRIER
	19700.0000 - 20200.0000 MHz	500MG7W		500 MHZ WIDE, PSK, DIGITAL CARRIER
	29250.0000 - 29500.0000 MHz	650KG7W	45.80 dBW	512 KSPS, PSK, DIGITAL CARRIER
	29250.0000 - 29500.0000 MHz	650KG7W	49.40 dBW	512 KBPS, PSK, DIGITAL CARRIER
	29250.0000 - 29500.0000 MHz	2M61G7W	53.40 dBW	2.048 MBPS, PSK, DIGITAL CARRIER
	18300.0000 - 19300.0000 MHz	100KG7W		100 KHZ WIDE, PSK DIGITAL CARRIER

18300.0000 - 19300.0000 MHz		500MG7W		500 MHZ WIDE, PSK, DIGITAL CARRIER
19700.0000 - 20200.0000 MHz		100KG7W		100 KHZ WIDE, PSK, DIGITAL CARRIER
SITE ID: TR74CM				
LOCATION: 2,000,000 (74cm) CONUS, AK, HI, PR, VI				
0 ° 0 ' 0.00 " N LAT.			0 ° 0 ' 0.00 " W LONG.	
ANTENNA ID:	74CM(FA)	0.74 meters	GD SATCOM	AN8-074P
19700.0000 - 20200.0000 MHz		500MG7W		500 MHZ, PSK, DIGITAL CARRIER
18300.0000 - 18800.0000 MHz		500MG7W		500 MHZ WIDE, PSK, DIGITAL CARRIER
28350.0000 - 28600.0000 MHz		650KG7W	45.80 dBW	512 KSPS, PSK, DIGITAL CARRIER
19700.0000 - 20200.0000 MHz		100KG7W		100 KHZ, PSK, DIGITAL CARRIER
18300.0000 - 19300.0000 MHz		100KG7W		100 KHZ WIDE, PSK, DIGITAL CARRIER
18800.0000 - 19300.0000 MHz		500MG7W		500 MHZ WIDE, PSK, DIGITAL CARRIER
ANTENNA ID:	74CM(FB)	0.74 meters	Prodelin	HNS1031929
29250.0000 - 30000.0000 MHz		650KG7W	45.80 dBW	512 KSPS, PSK, DIGITAL CARRIER
18300.0000 - 19300.0000 MHz		100KG7W		100 KHZ, PSK, DIGITAL CARRIER
18300.0000 - 19300.0000 MHz		500MG7W		500 MHZ, PSK, DIGITAL CARRIER
19700.0000 - 20200.0000 MHz		100KG7W		100 KHZ, PSK, DIGITAL CARRIER
19700.0000 - 20200.0000 MHz		500MG7W		500 MHZ, PSK, DIGITAL CARRIER
ANTENNA ID:	74CM(FC)	0.74 meters	Raven	AN8-074R
29250.0000 - 30000.0000 MHz		650KG7W	47.00 dBW	512 KBPS, PSK, DIGITAL CARRIER
18300.0000 - 19300.0000 MHz		100KG7W		100 KHZ WIDE, PASK, DIGITAL CARRIER
18300.0000 - 19300.0000 MHz		500MG7W		500 MHZ WIDE, PSK, DIGITAL CARRIER
19700.0000 - 20200.0000 MHz		100KG7W		100 KHZ WIDE, PSK, DIGITAL CARRIER
19700.0000 - 20200.0000 MHz		500MG7W		500 MHZ WIDE, PSK, DIGITAL CARRIER

SITE ID: TR1.8M
LOCATION: 50,000 (1.8m) CONUS, AK, HI, PR, VI
0 ° 0 ' 0.00 " N LAT. 0 ° 0 ' 0.00 " W LONG.

ANTENNA ID:	TR1.8	1.8 meters	Prodelin	3180-131
	29500.0000 - 30000.0000 MHz	20M9G7W	69.80 dBW	16.348 MBPS, PSK, DIGITAL CARRIER
	29500.0000 - 30000.0000 MHz	2M61G7W	60.70 dBW	2.048 MBPS, PSK, DIGITAL CARRIER
	29500.0000 - 30000.0000 MHz	650KG7W	54.70 dBW	512 KBPS, PSK, DIGITAL CARRIER
	19700.0000 - 20200.0000 MHz	500MG7W		500 MHZ WIDE, PSK, DIGITAL CARRIER
	29250.0000 - 29500.0000 MHz	650KG7W	54.70 dBW	512 KBPS, PSK, DIGITAL CARRIER
	29250.0000 - 29500.0000 MHz	20M9G7W	69.80 dBW	16.348 MBPS, PSK, DIGITAL CARRIER
	18300.0000 - 19300.0000 MHz	100KG7W		100 KHZ WIDE, PSK, DIGITAL CARRIER
	18300.0000 - 19300.0000 MHz	500MG7W		500 MHZ WIDE, PSK, DIGITAL CARRIER
	19700.0000 - 20200.0000 MHz	100KG7W		100 KHZ WIDE, PSK, DIGITAL CARRIER

SITE ID: TR1.2M
LOCATION: 100,000 (1.2m) CONUS, AK, HI, PR, VI
0 ° 0 ' 0.00 " N LAT. 0 ° 0 ' 0.00 " W LONG.

ANTENNA ID:	TR1.2	1.2 meters	Prodelin	3120-131
	29500.0000 - 30000.0000 MHz	2M61G7W	57.20 dBW	2.048 MBPS, PSK, DIGITAL CARRIER
	29500.0000 - 30000.0000 MHz	650KG7W	51.20 dBW	512 KBPS, PSK, DIGITAL CARRIER
	19700.0000 - 20200.0000 MHz	500MG7W		500 MHZ WIDE, PSK, DIGITAL CARRIER
	29250.0000 - 29500.0000 MHz	650KG7W	51.20 dBW	512 KBPS, PSK, DIGITAL CARRIER
	29250.0000 - 29500.0000 MHz	2M61G7W	57.20 dBW	2.048 MBPS, PSK, DIGITAL CARRIER
	18300.0000 - 19300.0000 MHz	100KG7W		100 KHZ WIDE, PSK, DIGITAL CARRIER
	18300.0000 - 19300.0000 MHz	500MG7W		500 MHZ WIDE, PSK, DIGITAL CARRIER

19700.0000 - 20200.0000 MHz	100KG7W		100 KHZ WIDE, PSK, DIGITAL CARRIER
SITE ID: TFTR98CM			
LOCATION: 10,000 (1.0m) CONUS, AK, HI, PR, VI			
SITE ID: TR69CM			
LOCATION: 1,000,000 (69CM)			
ANTENNA ID: 69CM	0.69 meters	RAVEN	HNS-AN8-069R
29250.0000 - 29500.0000 MHz	100KG7W	38.50 dBW	M-ARY PHASE SHIFT KEYING DIGITAL CARRIER
29250.0000 - 29500.0000 MHz	2M00G7W	46.80 dBW	M-ARY PHASE SHIFT KEYING DIGITAL CARRIER
29250.0000 - 29500.0000 MHz	670KG7W	46.80 dBW	M-ARY PHASE SHIFT KEYING DIGITAL CARRIER
18300.0000 - 19300.0000 MHz	100KG7W		M-ARY PHASE SHIFT KEYING DIGITAL CARRIER
18300.0000 - 19300.0000 MHz	500MG7W		M-ARY PHASE SHIFT KEYING DIGITAL CARRIER
19700.0000 - 20200.0000 MHz	100KG7W		M-ARY PHASE SHIFT KEYING DIGITAL CARRIER
19700.0000 - 20200.0000 MHz	500MG7W		M-ARY PHASE SHIFT KEYING DIGITAL CARRIER

Points of Communication:

TFTR1.2M - AMC-15 - (105 W.L.)

TFTR1.2M - AMC-16 - (85 W.L.)

TFTR1.2M - ECHOSTAR -9 - (121 W.L.)

TFTR1.2M - EchostarXVII(S2753) - (107.1 W.L.)

TFTR1.2M - SPACEWAY 3 - (94.95 W.L.)

TFTR74CM - AMC-15 - (105 W.L.)

TFTR74CM - AMC-16 - (85 W.L.)

TFTR74CM - DIRECTV 10 - (102.8 W.L.)

TFTR74CM - DIRECTV 11 - (99.2 W.L.)

TFTR74CM - ECHOSTAR -9 - (121 W.L.)

TFTR74CM - EchostarXVII(S2753) - (107.1 W.L.)

TFTR74CM - SPACEWAY 1 - (103 W.L.)

TFTR74CM - SPACEWAY 2 - (99 W.L.)

TFTR74CM - SPACEWAY 3 - (94.95 W.L.)

TFTR98CM - AMC-15 - (105 W.L.)

TFTR98CM - AMC-16 - (85 W.L.)

TFTR98CM - ECHOSTAR -9 - (121 W.L.)

TFTR98CM - EchostarXVII(S2753) - (107.1 W.L.)

TFTR98CM - SPACEWAY 1 - (103 W.L.)

TFTR98CM - SPACEWAY 2 - (99 W.L.)

TFTR98CM - SPACEWAY 3 - (94.95 W.L.)

TR1.2M - AMC-15 - (105 W.L.)

TR1.2M - AMC-16 - (85 W.L.)

TR1.2M - ECHOSTAR -9 - (121 W.L.)

TR1.2M - EchostarXVII(S2753) - (107.1 W.L.)

TR1.2M - SPACEWAY 1 - (103 W.L.)

TR1.2M - SPACEWAY 2 - (99 W.L.)

TR1.2M - SPACEWAY 3 - (94.95 W.L.)

TR1.8M - AMC-15 - (105 W.L.)

TR1.8M - AMC-16 - (85 W.L.)

TR1.8M - ECHOSTAR -9 - (121 W.L.)

TR1.8M - EchostarXVII(S2753) - (107.1 W.L.)

TR1.8M - SPACEWAY 1 - (103 W.L.)

TR1.8M - SPACEWAY 2 - (99 W.L.)

TR1.8M - SPACEWAY 3 - (94.95 W.L.)

TR3.5M - AMC-15 - (105 W.L.)

TR3.5M - AMC-16 - (85 W.L.)

TR3.5M - ECHOSTAR -9 - (121 W.L.)

TR3.5M - EchostarXVII(S2753) - (107.1 W.L.)

TR3.5M - SPACEWAY 1 - (103 W.L.)

TR3.5M - SPACEWAY 2 - (99 W.L.)

TR3.5M - SPACEWAY 3 - (94.95 W.L.)

TR69CM - AMC-15 - (105 W.L.)

TR69CM - AMC-16 - (85 W.L.)

TR69CM - ECHOSTAR -9 - (121 W.L.)

TR69CM - EchostarXVII(\$2753) - (107.1 W.L.)

TR69CM - SPACEWAY 1 - (103 W.L.)

TR69CM - SPACEWAY 2 - (99 W.L.)

TR69CM - SPACEWAY 3 - (94.95 W.L.)

TR74CM - AMC-15 - (105 W.L.)

TR74CM - AMC-16 - (85 W.L.)

TR74CM - DIRECTV 10 - (102.8 W.L.)

TR74CM - DIRECTV 11 - (99.2 W.L.)

TR74CM - ECHOSTAR -9 - (121 W.L.)

TR74CM - EchostarXVII(\$2753) - (107.1 W.L.)

TR74CM - SPACEWAY 1 - (103 W.L.)

TR74CM - SPACEWAY 2 - (99 W.L.)

TR74CM - SPACEWAY 3 - (94.95 W.L.)

TR98CM - AMC-15 - (105 W.L.)

TR98CM - AMC-16 - (85 W.L.)

TR98CM - ECHOSTAR -9 - (121 W.L.)

TR98CM - EchostarXVII(\$2753) - (107.1 W.L.)

TR98CM - SPACEWAY 1 - (103 W.L.)

TR98CM - SPACEWAY 2 - (99 W.L.)

TR98CM - SPACEWAY 3 - (94.95 W.L.)

SES-MFS-20120426-00395 E E110149 HNS License Sub, LLC
Modification
Grant of Authority

01/10/2012 - 01/10/2027
Date Effective: 03/08/2013

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

On March 1, 2013, HNS License Sub, LLC's application for modification was granted in part and deferred in part. Satellite Communications Services Information, Actions Taken, Report No. SES-01534 (rel. March 13, 2013). The deferred portion of the application related to operations in the 29.25-29.3 GHz frequency band. On January 17, 2014, the authorization was reissued to grant the deferred portion of the application to operate with: the Echostar XVII satellite at the 121° W.L. orbital location in the 29.25- 29.5 GHz frequency band, the Spaceway 1 satellite at the 103° W.L. orbital location in the 29.25- 29.5 GHz frequency band and the Spaceway 2 satellite at the 99° W.L. orbital location in the 29.26- 29.425 GHz frequency band.

SITE ID: 1
 LOCATION: (Bill McHargue), CONUS, AK, HI, PR VI
 0 ° 0 ' 0.00 " N LAT. 0 ° 0 ' 0.00 " W LONG.

ANTENNA ID:	1	8.1 meters	GDSATCOM	1010K
	28350.0000 - 29250.0000 MHz	100KG7W	59.10 dBW	m-ARY PSK, DATA, INROUTE, 64 KSPS
	28350.0000 - 29250.0000 MHz	90M0G7W	88.70 dBW	m-ARY PSK, DATA, INROUTE, 75 MSPS
	28350.0000 - 29250.0000 MHz	250MG7W	88.70 dBW	m-ARY PSK, DATA, INROUTE, 225 MSPS
	18300.0000 - 20200.0000 MHz	100KG7W		m-ARY PSK, DATA, OUTROUTE, 64 KSPS
	18300.0000 - 20200.0000 MHz	250MG7W		m-ARY PSK, DATA, OUTROUTE, 225 MSPS
	29250.0000 - 30000.0000 MHz	100KG7W	59.10 dBW	m-ARY PSK, DATA, INROUTE, 64 KSPS
	29250.0000 - 30000.0000 MHz	90M0G7W	88.70 dBW	m-ARY PSK, DATA, INROUTE, 75 MSPS
	29250.0000 - 30000.0000 MHz	250MG7W	88.70 dBW	m-ARY PSK, DATA, INROUTE, 225 MSPS
ANTENNA ID:	2	6.3 meters	Vertex	1210K
	28350.0000 - 29250.0000 MHz	100KG7W	57.00 dBW	m-ARY PSK, DATA, INROUTE, 64 KSPS
	28350.0000 - 29250.0000 MHz	55M0G7W	84.40 dBW	m-ARY PSK, DATA, INROUTE, 75 MSPS
	28350.0000 - 29250.0000 MHz	250MG7W	84.40 dBW	m-ARY PSK, DATA, INROUTE, 225 MSPS
	18300.0000 - 20200.0000 MHz	100KG7W		m-ARY PSK, DATA, OUTROUTE, 64 KSPS
	18300.0000 - 20200.0000 MHz	250MG7W		m-ARY PSK, DATA, OUTROUTE, 225 MSPS

29250.0000 - 30000.0000 MHz	100KG7W	57.00 dBW	m-ARY PSK, DATA, INROUTE, 64 KSPS
29250.0000 - 30000.0000 MHz	55M0G7W	84.40 dBW	m-ARY PSK, DATA, INROUTE, 75 MSPS
29250.0000 - 30000.0000 MHz	250MG7W	84.40 dBW	m-ARY PSK, DATA, INROUTE, 225 MSPS
Points of Communication:			
1 - AMC-15 - (105 W.L.)			
1 - AMC-16 - (85 W.L.)			
1 - EchostarXVII(S2753) - (107.1 W.L.)			
1 - GALAXY 28 - (89.0 W.L.)			
SES-MOD-20131106-00942	E E080226	Tokyo Broadcasting System Television, Inc.	
Application for Modification		12/09/2008 - 12/09/2023	
Grant of Authority		Date Effective:	01/17/2014
Class of Station:	Temporary Fixed Earth Station		
Nature of Service:	Fixed Satellite Service		
SITE ID:	M100		
LOCATION:	5-3-6, Akasaka, Minato-ku, Japan, Tokyo		
ANTENNA ID:	M100	1 meters	Vislink (Advent) Mantis 100
14000.0000 - 14500.0000 MHz	5M15G7W	59.50 dBW	QPSK: video/audio
14000.0000 - 14500.0000 MHz	7M72G7W	59.50 dBW	QPSK: video/audio
14000.0000 - 14500.0000 MHz	2M58G7W	57.80 dBW	QPSK: video/audio
SITE ID:	TBS03		
LOCATION:	5-3-6, Akasaka, Minato-ku, Japan, Tokyo		
ANTENNA ID:	TBS03	0.72 meters	ROCKWELL COLLINS CCT90
14000.0000 - 14500.0000 MHz	8M00D7W	54.70 dBW	16APSK
14000.0000 - 14500.0000 MHz	8M00G7W	54.70 dBW	QPSK, 8PSK
Points of Communication:			
M100 - SUPERBIRD B2 - (162 E.L.)			
TBS03 - SUPERBIRD B2 - (162 E.L.)			

SES-MOD-20131113-00986 E E6915 United Service Source Inc
Application for Modification 08/03/2004 - 08/03/2019
Grant of Authority Date Effective: 01/16/2014

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 725 S. FLOYD STREET (WAVE), JEFFERSON, LOUISVILLE, KY
 38 ° 14 ' 38.00 " N LAT. 85 ° 44 ' 57.00 " W LONG.

ANTENNA ID:	1	6.1 meters	HARRIS	5346
14000.0000 - 14500.0000 MHz	112KG1D	57.00 dBW	PSK PRIVATE DATA	
14000.0000 - 14500.0000 MHz	36M0F8F	78.00 dBW	ANALOG VIDEO W/ASSOC AUDIO SUBCARRIERS	
14000.0000 - 14500.0000 MHz	4M00G7F	70.00 dBW	PSK DIGITAL VIDEO WITH ASSOC. DIGITAL AUDIO AND DATA	
14000.0000 - 14500.0000 MHz	36M0G7W	78.00 dBW	NULL	
11700.0000 - 12200.0000 MHz	36M0F8F		ANALOG VIDEO W/ASSOC AUDIO SUBCARRIERS	
11700.0000 - 12200.0000 MHz	256KG1D		PSK PRIVATE DATA	
11700.0000 - 12200.0000 MHz	4M00G7F		PSK DIGITAL VIDEO WITH ASSOC. DIGITAL AUDIO AND DATA	
11700.0000 - 12200.0000 MHz	36M0G7W		NULL	

Points of Communication:

1 - ALSAT - (ALSAT)

SES-MOD-20131113-01009 E E7122 United Service Source Inc
Application for Modification 06/27/2004 - 06/27/2019
Grant of Authority Date Effective: 01/16/2014

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 1700 YOUNG STREET (WLWT), HAMILTON, CINCINNATI, OH
 39 ° 6 ' 50.91 " N LAT. 84 ° 30 ' 21.62 " W LONG.

ANTENNA ID:	1	6.1 meters	HARRIS	5346
14000.0000 - 14500.0000 MHz	112KG1D	57.10 dBW	PSK PRIVATE DATA	

14000.0000 - 14500.0000 MHz	36M0F8F	78.00 dBW	ANALOG VIDEO W/ASSOC. AUDIO SUBCARRIERS
14000.0000 - 14500.0000 MHz	4M00G7F	70.00 dBW	PSK DIGITAL VIDEO WITH ASSOC. DIGITAL AUDIO AND DATA
14000.0000 - 14500.0000 MHz	36M0G7W	78.00 dBW	NULL
11700.0000 - 12200.0000 MHz	256KG1D		PSK PRIVATE DATA
11700.0000 - 12200.0000 MHz	36M0F8F		ANALOG VIDEO W/ASSOC. AUDIO SUBCARRIERS
11700.0000 - 12200.0000 MHz	4M00G7F		PSK DIGITAL VIDEO WITH ASSOC. DIGITAL AUDIO AND DATA
11700.0000 - 12200.0000 MHz	36M0G7W		NULL

Points of Communication:

1 - ALSAT - (ALSAT)

SES-MOD-20131113-01013	E E7076	United Service Source Inc	06/29/2004 - 06/29/2019
Application for Modification			Date Effective: 01/16/2014
Grant of Authority			

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 1960 UNION AVENUE (WMC), SHELBY, MEMPHIS, TN
35 ° 8 ' 7.00 " N LAT. 89 ° 59 ' 47.00 " W LONG.

ANTENNA ID: 1 6.1 meters HARRIS 5346

14000.0000 - 14500.0000 MHz	112KG1D	57.00 dBW	PSK PRIVATE DATA
14000.0000 - 14500.0000 MHz	36M0F8F	78.00 dBW	ANALOG VIDEO W/ASSOC. AUDIO SUBCARRIERS
14000.0000 - 14500.0000 MHz	4M00G7F	70.00 dBW	PSK DIGITAL VIDEO WITH ASSOC. DIGITAL AUDIO AND DATA
14000.0000 - 14500.0000 MHz	36M0G7W	78.00 dBW	NULL
11700.0000 - 12200.0000 MHz	256KG1D		PSK PRIVATE DATA
11700.0000 - 12200.0000 MHz	36M0F8F		ANALOG VIDEO W/ASSOC. AUDIO SUBCARRIERS
11700.0000 - 12200.0000 MHz	4M00G7F		PSK DIGITAL VIDEO WITH ASSOC. DIGITAL AUDIO AND DATA

11700.0000 - 12200.0000 MHz	36M0G7W	NULL
Points of Communication:		
1 - ALSAT - (ALSAT)		
SES-MOD-20131113-01019	E E7417	United Service Source Inc
Application for Modification		07/20/2004 - 07/20/2019
Grant of Authority		Date Effective: 01/16/2014
Class of Station:	Fixed Earth Stations	
Nature of Service:	Fixed Satellite Service	
SITE ID:	1	
LOCATION:	15 N. PEARL STREET (WNYT), ALBANY, MENANDS, NY 42 ° 40 ' 42.00 " N LAT. 73 ° 44 ' 11.00 " W LONG.	
ANTENNA ID:	1	6.1 meters HARRIS 5346
14000.0000 - 14500.0000 MHz	112KG1D	57.10 dBW PSK PRIVATE DATA
14000.0000 - 14500.0000 MHz	36M0F8F	78.00 dBW ANALOG VIDEO W/ASSOC. AUDIO SUBCARRIERS
14000.0000 - 14500.0000 MHz	4M00G7F	70.00 dBW PSK DIGITAL VIDEO WITH ASSOC. DIGITAL AUDIO AND DATA
14000.0000 - 14500.0000 MHz	36M0G7W	78.00 dBW NULL
11700.0000 - 12200.0000 MHz	256KG1D	PSK PRIVATE DATA
11700.0000 - 12200.0000 MHz	36M0F8F	ANALOG VIDEO W/ASSOC. AUDIO SUBCARRIERS
11700.0000 - 12200.0000 MHz	4M00G7F	PSK DIGITAL VIDEO WITH ASSOC. DIGITAL AUDIO AND DATA
11700.0000 - 12200.0000 MHz	36M0G7W	NULL
Points of Communication:		
1 - ALSAT - (ALSAT)		
SES-MOD-20131113-01021	E E6869	United Service Source Inc
Application for Modification		08/10/2004 - 08/10/2019
Grant of Authority		Date Effective: 01/16/2014
Class of Station:	Fixed Earth Stations	
Nature of Service:	Fixed Satellite Service	

SITE ID: 1
LOCATION: 1205 FRONT STREET (WNCN), WAKE, RALEIGH, NC
35 ° 49 ' 18.00 " N LAT. 78 ° 36 ' 57.00 " W LONG.

ANTENNA ID:	1	6.1 meters	HARRIS	5346
14000.0000 - 14500.0000 MHz	112KG1D	57.00 dBW	PSK PRIVATE DATA	
14000.0000 - 14500.0000 MHz	36M0F8F	78.00 dBW	ANALOG VIDEO W/ASSOC. AUDIO SUBCARRIERS	
14000.0000 - 14500.0000 MHz	4M00G7F	70.00 dBW	PSK DIGITAL VIDEO WITH ASSOC. DIGITAL AUDIO AND DATA	
14000.0000 - 14500.0000 MHz	36M0G7W	78.00 dBW	NULL	
11700.0000 - 12200.0000 MHz	256KG1D		PSK PRIVATE DATA	
11700.0000 - 12200.0000 MHz	36M0F8F		ANALOG VIDEO W/ASSOC. AUDIO SUBCARRIERS	
11700.0000 - 12200.0000 MHz	4M00G7F		PSK DIGITAL VIDEO WITH ASSOC. DIGITAL AUDIO AND DATA	
11700.0000 - 12200.0000 MHz	36M0G7W		NULL	

Points of Communication:

1 - ALSAT - (ALSAT)

SES-MOD-20131113-01023	E E7131	United Service Source Inc	05/24/2005 - 05/24/2020
Application for Modification			Date Effective: 01/16/2014
Grant of Authority			

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 454 N. COLUMBUS DRIVE (WMAQ), COOK, CHICAGO, IL
41 ° 53 ' 25.00 " N LAT. 87 ° 37 ' 17.00 " W LONG.

ANTENNA ID:	1	6.1 meters	HARRIS	5346
14000.0000 - 14500.0000 MHz	112KG1D	57.00 dBW	PSK PRIVAT DATA	
14000.0000 - 14500.0000 MHz	36M0F8F	78.00 dBW	ANALOG VIDEO W/ASSOC AUDIO SUBCARRIERS	
14000.0000 - 14500.0000 MHz	4M00G7F	70.00 dBW	PSK DIGITAL VIDEO WITH ASSOC. DIGITAL AUDIO AND DATA	
14000.0000 - 14500.0000 MHz	36M0G7W	78.00 dBW	NULL	

11700.0000 - 12200.0000 MHz	256KG1D	PSK PRIVAT DATA
11700.0000 - 12200.0000 MHz	36M0F8F	ANALOG VIDEO W/ASSOC AUDIO SUBCARRIERS
11700.0000 - 12200.0000 MHz	4M00G7F	PSK DIGITAL VIDEO WITH ASSOC. DIGITAL AUDIO AND DATA
11700.0000 - 12200.0000 MHz	36M0G7W	NULL

Points of Communication:

1 - ALSAT - (ALSAT)

SES-MOD-20131113-01025	E E7643	United Service Source Inc	09/14/2004 - 09/14/2019
Application for Modification			Date Effective: 01/16/2014
Grant of Authority			

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 1065 RUSSELL CAVE ROAD (WLEX), FAYETTE, LEXINGTON, KY
38 ° 3 ' 56.00 " N LAT. 84 ° 29 ' 13.00 " W LONG.

ANTENNA ID: 1	6.1 meters	HARRIS	5346
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14000.0000 - 14500.0000 MHz	112KG1D	57.00 dBW	PSK PRIVATE DATA
14000.0000 - 14500.0000 MHz	36M0F8F	78.00 dBW	ANALOG VIDEO W/ASSOC AUDIO SUBCARRIERS
14000.0000 - 14500.0000 MHz	4M00G7F	70.00 dBW	PSK DIGITAL VIDEO WITH ASSOC. DIGITAL AUDIO AND DATA
14000.0000 - 14500.0000 MHz	36M0G7W	78.00 dBW	NULL
11700.0000 - 12200.0000 MHz	36M0F8F		ANALOG VIDEO W/ASSOC AUDIO SUBCARRIERS
11700.0000 - 12200.0000 MHz	256KG1D		PSK PRIVATE DATA
11700.0000 - 12200.0000 MHz	4M00G7F		PSK DIGITAL VIDEO WITH ASSOC. DIGITAL AUDIO AND DATA
11700.0000 - 12200.0000 MHz	36M0G7W		NULL

Points of Communication:

1 - ALSAT - (ALSAT)

14000.0000 - 14500.0000 MHz	36M0F8F	78.00 dBW	ANALOG VIDEO W/ ASSOC AUDIO SUBCARRIERS
14000.0000 - 14500.0000 MHz	4M00G7F	70.00 dBW	PSK DIGITAL VIDEO WITH ASSOC. DIGITAL AUDIO AND DATA
14000.0000 - 14500.0000 MHz	36M0G7W	78.00 dBW	NULL
11700.0000 - 12200.0000 MHz	256KG1D		PSK PRIVATE DATA
11700.0000 - 12200.0000 MHz	36M0F8F		ANALOG VIDEO W/ ASSOC AUDIO SUBCARRIERS
11700.0000 - 12200.0000 MHz	4M00G7F		PSK DIGITAL VIDEO WITH ASSOC. DIGITAL AUDIO AND DATA
11700.0000 - 12200.0000 MHz	36M0G7W		NULL

Points of Communication:

1 - ALSAT - (ALSAT)

SES-MOD-20131113-01036	E E6880	United Service Source Inc	03/30/2004 - 03/30/2019
Application for Modification			Date Effective: 01/16/2014
Grant of Authority			

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 1111 BULL STREET (WIS), RICHLAND, COLUMBIA, SC
34 ° 0 ' 6.00 " N LAT. 81 ° 1 ' 45.00 " W LONG.

ANTENNA ID: 1	8 meters	HARRIS	5349
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14000.0000 - 14500.0000 MHz	112KG1D	57.10 dBW	PSK PRIVATE DATA
14000.0000 - 14500.0000 MHz	36M0F8F	78.00 dBW	ANALOG VIDEO W/ASSOC. AUDIO SUBCARRIERS
14000.0000 - 14500.0000 MHz	4M00G7F	70.00 dBW	PSK DIGITAL VIDEO WITH ASSOC. DIGITAL AUDIO AND DATA
14000.0000 - 14500.0000 MHz	36M0G7W	78.00 dBW	NULL
11700.0000 - 12200.0000 MHz	256KG1D		PSK PRIVATE DATA
11700.0000 - 12200.0000 MHz	36M0F8F		ANALOG VIDEO W/ASSOC. AUDIO SUBCARRIERS
11700.0000 - 12200.0000 MHz	4M00G7F		PSK DIGITAL VIDEO WITH ASSOC. DIGITAL AUDIO AND DATA

11700.0000 - 12200.0000 MHz	36M0G7W	NULL
Points of Communication:		
1 - ALSAT - (ALSAT)		
SES-MOD-20131113-01038	E E7334	United Service Source Inc
Application for Modification		01/22/2006 - 01/22/2021
Grant of Authority		Date Effective: 01/16/2014
Class of Station:	Fixed Earth Stations	
Nature of Service:	Fixed Satellite Service	
SITE ID:	1	
LOCATION:	7 BULFINCH PLACE (WHDH)-GOVERNMENT CENTER, SUFFOLK, BOSTON, MA 42 ° 21 ' 41.00 " N LAT. 71 ° 3 ' 46.00 " W LONG.	
ANTENNA ID:	1	8 meters HARRIS 5349
14000.0000 - 14500.0000 MHz	112KG1D	59.10 dBW PSK PRIVATE DATE
14000.0000 - 14500.0000 MHz	36M0F8F	70.60 dBW ANALOG VIDEO W/ASSOC AUDIO SUBCARRIERS
14000.0000 - 14500.0000 MHz	4M00G7F	70.00 dBW PSK DIGITAL VIDEO WITH ASSOC. DIGITAL AUDIO AND DATA
14000.0000 - 14500.0000 MHz	36M0G7W	78.00 dBW NULL
11700.0000 - 12200.0000 MHz	256KG1D	PSK PRIVATE DATE
11700.0000 - 12200.0000 MHz	36M0F8F	ANALOG VIDEO W/ASSOC AUDIO SUBCARRIERS
11700.0000 - 12200.0000 MHz	4M00G7F	PSK DIGITAL VIDEO WITH ASSOC. DIGITAL AUDIO AND DATA
11700.0000 - 12200.0000 MHz	36M0G7W	NULL
Points of Communication:		
1 - ALSAT - (ALSAT)		
SES-MOD-20140110-00014	E E120071	ViaSat, Inc.
Application for Modification		06/04/2012 - 06/04/2027
Withdrawn		Date Effective: 01/14/2014
Class of Station:	Temporary Fixed Earth Station	
Nature of Service:	Fixed Satellite Service	
SITE ID:	1	
LOCATION:	(50000 UNITS), CONUS	

ANTENNA ID:	1	0.745 meters	ViaSat, Inc.	SNG-1
29500.0000 - 30000.0000 MHz	10M0G7D	48.80 dBW	10.0 MBd PSK, Digital Carrier	
29500.0000 - 30000.0000 MHz	5M00G7D	48.80 dBW	5.0 MBd PSK, Digital Carrier	
29500.0000 - 30000.0000 MHz	2M50G7D	48.80 dBW	2.5 MBd PSK, Digital Carrier	
29500.0000 - 30000.0000 MHz	1M25G7D	48.80 dBW	1.25 MBd PSK, Digital Carrier	
29500.0000 - 30000.0000 MHz	625KG7D	45.80 dBW	625 kBd PSK, Digital Carrier	
28350.0000 - 29100.0000 MHz	10M0G7D	48.80 dBW	10.0 MBd PSK, Digital Carrier	
28350.0000 - 29100.0000 MHz	5M00G7D	48.80 dBW	5.0 MBd PSK, Digital Carrier	
28350.0000 - 29100.0000 MHz	2M50G7D	48.80 dBW	2.5 MBd PSK, Digital Carrier	
28350.0000 - 29100.0000 MHz	1M25G7D	48.80 dBW	1.25 MBd PSK, Digital Carrier	
28350.0000 - 29100.0000 MHz	625KG7D	45.80 dBW	625 kBd PSK, Digital Carrier	
19700.0000 - 20200.0000 MHz	52M1G7D		52 MBd PSK, Digital Carrier	
19700.0000 - 20200.0000 MHz	416MG7D		416 MBd PSK, Digital Carrier	
18300.0000 - 19300.0000 MHz	52M1G7D		52 MBd PSK, Digital Carrier	
18300.0000 - 19300.0000 MHz	416MG7D		416 MBd PSK, Digital Carrier	

SITE ID: 2
LOCATION: (20000 UNITS), CONUS

ANTENNA ID:	2	1.23 meters	AVL	120K
29500.0000 - 30000.0000 MHz	5M00G7D	54.30 dBW	5 MBD PSK, DIGITAL CARRIER	
29500.0000 - 30000.0000 MHz	10M0G7D	54.30 dBW	10 MBD PSK, DIGITAL CARRIER	
29500.0000 - 30000.0000 MHz	2M50G7D	54.30 dBW	2.5 MBD PSK, DIGITAL CARRIER	
29500.0000 - 30000.0000 MHz	625KG7D	54.30 dBW	625 KBD PSK, DIGITAL CARRIER	
29500.0000 - 30000.0000 MHz	1M25G7D	54.30 dBW	1.25 MBD PSK, DIGITAL CARRIER	
29500.0000 - 30000.0000 MHz	20M0G7D	54.00 dBW	20 MBD PSK, DIGITAL CARRIER	
28350.0000 - 29100.0000 MHz	5M00G7D	54.30 dBW	5 MBD PSK, DIGITAL CARRIER	
28350.0000 - 29100.0000 MHz	10M0G7D	54.30 dBW	10 MBD PSK, DIGITAL CARRIER	

28350.0000 - 29100.0000 MHz	2M50G7D	54.30 dBW	2.5 MBD PSK, DIGITAL CARRIER
28350.0000 - 29100.0000 MHz	625KG7D	54.30 dBW	625 KBD PSK, DIGITAL CARRIER
28350.0000 - 29100.0000 MHz	1M25G7D	54.30 dBW	1.25 MBD PSK, DIGITAL CARRIER
28350.0000 - 29100.0000 MHz	20M0G7D	54.00 dBW	20 MBD PSK, DIGITAL CARRIER
19700.0000 - 20200.0000 MHz	52M1G7D		52 MBD PSK, DIGITAL CARRIER
19700.0000 - 20200.0000 MHz	416MG7D		416 MBD PSK, DIGITAL CARRIER
18300.0000 - 19300.0000 MHz	52M1G7D		52 MBD PSK, DIGITAL CARRIER
18300.0000 - 19300.0000 MHz	416MG7D		416 MBD PSK, DIGITAL CARRIER

SITE ID: 3
LOCATION: (20,000 UNITS), CONUS

ANTENNA ID: 3	0.745 meters	WINEGARD	WV750A
28350.0000 - 30000.0000 MHz	5M00G7D	48.80 dBW	5 MBD PSK, DIGITAL CARRIER
29500.0000 - 30000.0000 MHz	4M00G7D	48.80 dBW	5 MBD PSK, DIGITAL CARRIER
28350.0000 - 29100.0000 MHz	10M0G7D	48.80 dBW	10 MBD PSK, DIGITAL CARRIER
29500.0000 - 30000.0000 MHz	10M0G7D	48.80 dBW	10 MBD PSK, DIGITAL CARRIER
28350.0000 - 29100.0000 MHz	2M50G7D	48.80 dBW	2.5 MBD PSK, DIGITAL CARRIER
28350.0000 - 29100.0000 MHz	625KG7D	45.80 dBW	625 KBD PSK, DIGITAL CARRIER
29500.0000 - 30000.0000 MHz	2M50G7D	48.80 dBW	2.5 MBD PSK, DIGITAL CARRIER
29500.0000 - 30000.0000 MHz	625KG7D	45.80 dBW	625 KBD PSK, DIGITAL CARRIER
28350.0000 - 2900.0000 MHz	1M25G7D	48.80 dBW	1.25 MBD PSK, DIGITAL CARRIER
29500.0000 - 30000.0000 MHz	1M25G7D	48.80 dBW	1.25 MBD PSK, DIGITAL CARRIER
19700.0000 - 20200.0000 MHz	52M1G7D		52 MBD PSK, DIGITAL CARRIER
19700.0000 - 20200.0000 MHz	52M1G7D		52 MBD PSK, DIGITAL CARRIER
18300.0000 - 19300.0000 MHz	416MG7D		416 MBD PSK, DIGITAL CARRIER
19700.0000 - 20200.0000 MHz	416MG7D		416 MBD PSK, DIGITAL CARRIER

Points of Communication:

1 - ANIK-F2 (S2742) - (111.1 W.L.)

1 - VIASAT-1 - (115.1W.L.)

1 - WILDBLUE 1(S2355) - (111.1 W.L.)

2 - ANIK-F2 (S2742) - (111.1 W.L.)

2 - VIASAT-1 - (115.1W.L.)

2 - WILDBLUE 1(S2355) - (111.1 W.L.)

3 - ALSAT - (ALSAT)

3 - ANIK-F2 (S2742) - (111.1 W.L.)

3 - VIASAT-1 - (115.1W.L.)

3 - WILDBLUE 1(S2355) - (111.1 W.L.)

SES-RWL-20080915-01203 E E881093 Bresnan Communications, LLC

Renewal

09/16/2008 - 09/16/2023

Grant of Authority

Date Effective: 09/18/2008

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

Correction to FCC IBFS Database to reflect correct FRN Number for Bresnan Communications, Inc. per letter dated September 10, 2013.

SITE ID: 1

LOCATION: GILLETTE, WY

44 ° 16 ' 39.00 " N LAT.

105 ° 30 ' 28.00 " W LONG.

ANTENNA ID: 1 4.5 meters ANDREWS ESA45M-46HP

3700.0000 - 4200.0000 MHz 36000F9

ANTENNA ID: 2 3.1 meters MACOM

3700.0000 - 4200.0000 MHz 36000F9

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20101202-01478 E E2628 Bresnan Communications, LLC

Renewal

12/03/2010 - 12/03/2025

Grant of Authority

Date Effective: 12/03/2010

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

Correction to FCC IBFS Database to reflect correct FRN Number for Bresnan Communications, Inc. per letter dated September 10, 2013.

SITE ID: 1
LOCATION: POWELL, DEER LODGE, MT
46 ° 24 ' 15.00 " N LAT. 112 ° 43 ' 48.00 " W LONG.

ANTENNA ID: 1 5 meters SCIENTIFIC ATLANTA 8008
3700.0000 - 4200.0000 MHz 36000F9

Points of Communication:

1 - ALSAT - (ALSAT)

SES-STA-20131122-01158	E	E080100	Row 44 Inc.	
Special Temporary Authority				
Withdrawn				Date Effective: 01/14/2014

Class of Station:

Points of Communication:

SES-STA-20131210-01182	E	E130233	Post-Newsweek Stations, San Antonio, Inc.	
Special Temporary Authority				
Grant of Authority				Date Effective: 01/15/2014

Class of Station:

On January 15, 2014, Post-Newsweek Stations, San Antonio, Inc. was granted special temporary authority, for a period of 60 days, operate a temporary fixed earth station within 300-miles of San Antonio, Texas that communicates with ALSAT satellites in the 14.0-14.5 GHz (Earth-to-space) frequency band.

Points of Communication:

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