



PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION
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Report No. SES-02080

Wednesday July 18, 2018

Satellite Communications Services Information

re: Actions Taken

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

SES-AMD-20180215-00123 E E050143 Orbital Media Networks, Inc.
Amendment
Grant of Authority Date Effective: 07/17/2018

Class of Station: VSAT Network

Nature of Service: Fixed Satellite Service

SITE ID: CCSS INV 6.1A
LOCATION: 76 INVERNESS DR. EAST, STE.B 6.1M. HUB, ARAPAHOE, ENGLEWOOD, CO
39 ° 34 ' 47.00 " N LAT. 104 ° 51 ' 35.00 " W LONG.

ANTENNA ID:	INV 6.1	6.1 meters	VIASAT 8060	8060
	14000.0000 - 14500.0000 MHz		3M80G7D	59.00 dBW QPSK, Data
	14000.0000 - 14500.0000 MHz		7M60G7D	60.00 dBW QPSK, Data
	11700.0000 - 12200.0000 MHz		1M50G7D	0.00 dBW QPSK, Data
	11700.0000 - 12200.0000 MHz		3M80G7D	0.00 dBW QPSK, Data
	11700.0000 - 12200.0000 MHz		5M50G7D	QPSK, DATA

SITE ID: TT09612 .96M
LOCATION: VSAT .96M., CONUS, (50 UNITS)
0 ° 0 ' 0.00 " N LAT. 0 ° 0 ' 0.00 " W LONG.

ANTENNA ID:	TT09612 .9	0.96 meters	AVL TECHNOLOGIES	960 AVSAT
	14000.0000 - 14500.0000 MHz		3M80G7D	52.50 dBW QPSK, Data
	14000.0000 - 14500.0000 MHz		5M50G7D	54.00 dBW QPSK, DATA

11700.0000 - 12200.0000 MHz	7M60G7D	0.00 dBW	QPSK, Data
SITE ID: TT0753 .75M			
LOCATION: VSAT .75M., CONUS, (50 UNITS)			
0 ° 0 ' 0.00 " N LAT.		0 ° 0 ' 0.00 " W LONG.	
ANTENNA ID: TT0753 .7	0.75 meters	AVL TECHNOLOGIES	750 IMOVSAT
14000.0000 - 14500.0000 MHz	1M50G7D	45.00 dBW	QPSK, Data
11700.0000 - 12200.0000 MHz	3M80G7D	0.00 dBW	QPSK, Data
11700.0000 - 12200.0000 MHz	7M60G7D		QPSK, DATA
SITE ID: TT0.9816			
LOCATION: VSAT .98M., CONUS, (1000 UNITS)			
ANTENNA ID: TT0.9816	0.98 meters	PRODELIN	1984
14000.0000 - 14500.0000 MHz	3M80G1D	53.00 dBW	QPSK
11700.0000 - 12200.0000 MHz	4M60G1D		QPSK
SITE ID: TT1016R			
LOCATION: VSAT, 1.0M., CONUS, (1000 UNITS)			
ANTENNA ID: TT1016R	1 meters	PATRIOT	TXINT-100KU
14000.0000 - 14500.0000 MHz	500KG7W	46.50 dBW	QPSK, DIGITAL CARRIER
14000.0000 - 14500.0000 MHz	1M00G7W	49.50 dBW	QPSK, DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	6M00G7W		QPSK, DVB-S1 DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	10M0G7W		QPSK, DVB-S2 DIGITAL CARRIER
SITE ID: TT1240DR			
LOCATION: VSAT 1.2M. DR, CONUS, (50 UNITS)			
ANTENNA ID: TT1240DR	1.2 meters	PRODELIN/DR	1132
14000.0000 - 14500.0000 MHz	2M00G7W	52.50 dBW	QPSK, DIGITAL CARRIER
14000.0000 - 14500.0000 MHz	1M00G7W	49.50 dBW	QPSK, DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	6M00G7W		QPSK, DVB-S1 DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	10M0G7W		QPSK, DVB-S2 DIGITAL CARRIER
SITE ID: TT1240TV			
LOCATION: VSAT 1.2M. TV, CONUS, (50 UNITS)			

ANTENNA ID:	TT1240TV	1.2 meters	PRODELIN/TV	1132	
	14000.0000 - 14500.0000 MHz		520KG7W	45.00 dBW	QPSK, DIGITAL CARRIER
	14000.0000 - 14500.0000 MHz		4M60G7W	55.00 dBW	QPSK, DIGITAL CARRIER
	14000.0000 - 14500.0000 MHz		5M60G7W	55.50 dBW	QPSK
	11700.0000 - 12200.0000 MHz		6M00G7W		QPSK, DVB-S1 DIGITAL CARRIER
	11700.0000 - 12200.0000 MHz		10M0G7W		QPSK, DVB-S2 DIGITAL CARRIER

SITE ID: TTRVN_9808
LOCATION: VSAT .98M., CONUS, (1000 UNITS)

ANTENNA ID:	TTRVN9808	0.98 meters	RAVEN	GKU98	
	14000.0000 - 14500.0000 MHz		1M00G1D	45.76 dBW	QPSK
	11700.0000 - 12200.0000 MHz		1M00G1D		QPSK

SITE ID: TTCM1_850DR
LOCATION: VSAT 1.8M., CONUS, (100 UNITS)

ANTENNA ID:	TTCM1850D	1.8 meters	CHANNEL MASTER	TYPE 183	
	14000.0000 - 14500.0000 MHz		10M0G1D	56.29 dBW	QPSK
	11700.0000 - 12200.0000 MHz		10M0G1D		QPSK

SITE ID: TT2_4X100
LOCATION: 2.4M, CONUS (15 UNITS)

ANTENNA ID:	TT2_4X100	2.4 meters	SUMAN	SM-T2.4R	
	14000.0000 - 14500.0000 MHz		186KG1D	50.38 dBW	QPSK
	14000.0000 - 14500.0000 MHz		400KG1D	53.34 dBW	QPSK
	14000.0000 - 14500.0000 MHz		930KG7W	57.36 dBW	QPSK
	11700.0000 - 12200.0000 MHz		400KG1D		QPSK

SITE ID: CM2_4X100
LOCATION: 2.4M, CONUS (15 UNITS)
39 ° 34 ' 49.00 " N LAT. 104 ° 51 ' 35.00 " W LONG.

ANTENNA ID:	CM2_4X100	2.4 meters	CHANNEL MASTER	TYPE 243	
	14000.0000 - 14500.0000 MHz		186KG1D	50.68 dBW	QPSK
	14000.0000 - 14500.0000 MHz		400KG1D	54.50 dBW	QPSK

14000.0000 - 14500.0000 MHz	930KG7W	57.66 dBW	QPSK
11700.0000 - 12200.0000 MHz	400KG1D		QPSK

SITE ID: SMN3_7X150
 LOCATION: 76 INVERNESS DRIVE EAST, SUITE C, ARAPAHOE, ENGELWOOD, CO
 39 ° 34 ' 47.00 " N LAT. 104 ° 51 ' 35.00 " W LONG.

ANTENNA ID: SMN3_7150 3.7 meters SUMAN SM-T3.7R

14000.0000 - 14500.0000 MHz	186KG1D	53.68 dBW	QPSK
14000.0000 - 14500.0000 MHz	930KG7W	60.66 dBW	QPSK
14000.0000 - 14500.0000 MHz	400KG1D	56.64 dBW	QPSK
11700.0000 - 12200.0000 MHz	400KG1D		QPSK

SITE ID: SCM1_8X2_4
 LOCATION: 76 INVERNESS DRIVE EAST SUITE C, ARAPAHOE, ENGLEWOOD, CO
 39 ° 34 ' 49.00 " N LAT. 104 ° 51 ' 35.00 " W LONG.

ANTENNA ID: SCM18050 1.8 meters CHANNEL MASTER T83 TX/RX

14000.0000 - 14500.0000 MHz	186KG1D	48.18 dBW	QPSK
14000.0000 - 14500.0000 MHz	400KG1D	51.48 dBW	QPSK
14000.0000 - 14500.0000 MHz	930KG7W	55.16 dBW	QPSK

ANTENNA ID: SCM2_4100 2.4 meters CHANNEL MASTER TYPE 243

14000.0000 - 14500.0000 MHz	186KG1D	50.68 dBW	QPSK
14000.0000 - 14500.0000 MHz	400KG1D	53.64 dBW	QPSK
14000.0000 - 14500.0000 MHz	930KG7W	57.66 dBW	QPSK

SITE ID: TT3_7X150
 LOCATION: (3.7M 15 UNITS) CONUS

ANTENNA ID: TT37150 3.7 meters SUMAN SM-T3.7R

14000.0000 - 14500.0000 MHz	186KG1D	53.68 dBW	QPSK
14000.0000 - 14500.0000 MHz	10M0G7W	71.00 dBW	QPSK
14000.0000 - 14500.0000 MHz	930KG7W	60.66 dBW	QPSK, QPSK DVB-S
11700.0000 - 12200.0000 MHz	10M0G7W		QPSK, QPSK DVG-S
11700.0000 - 12200.0000 MHz	186KG1D		QPSK QPSK DVG-S

SITE ID: TTAVL.852
LOCATION: VSAT .85M, CONUS (5 UNITS)

ANTENNA ID:	TTAVL.852	0.85 meters	AVL	850K MVSAT	
	14000.0000 - 14500.0000 MHz		1M29G7W	42.07 dBW	QPSK
	11700.0000 - 12200.0000 MHz		1M29G7W		QPSK

Points of Communication:

CCSS INV 6.1A - PERMITTED LIST - ()
CM2_4X100 - PERMITTED LIST - ()
SCM1_8X2_4 - PERMITTED LIST - ()
SMN3_7X150 - PERMITTED LIST - ()
TT0.9816 - AMC-1(S2445) - (101.0 W.L.)
TT0753 .75M - AMC-4 (S2135) - (134.9 W.L.)
TT0753 .75M - AMSC 1 - (103 W.L.)
TT09612 .96M - AMC-4 (S2135) - (134.9 W.L.)
TT09612 .96M - AMSC 1 - (103 W.L.)
TT1016R - AMC-1(S2445) - (101.0 W.L.)
TT1016R - AMC-4 (S2135) - (134.9 W.L.)
TT1240DR - PERMITTED LIST - ()
TT1240TV - PERMITTED LIST - ()
TT2_4X100 - PERMITTED LIST - ()
TT3_7X150 - PERMITTED LIST - ()
TTAVL.852 - PERMITTED LIST - ()
TTCM1_850DR - PERMITTED LIST - ()
TTRVN_9808 - PERMITTED LIST - ()

SES-AMD-20180420-00379 E E000001 EXXON COMMUNICATIONS COMPANY

Amendment

Grant of Authority

Date Effective: 07/17/2018

Class of Station: Fixed Earth Stations

Nature of Service: Mobile Satellite Service

SITE ID: HOOVER DIANA
LOCATION: DRILLING PLATFORM, GULF OF MEXICO, TX
26 ° 56 ' 20.80 " N LAT. 94 ° 41 ' 20.00 " W LONG.

ANTENNA ID: US804H3 2.4 meters COBHAM 9797B-70
5925.0000 - 6425.0000 MHz 8M64G7D 53.10 dBW DIGITAL DATA
3700.0000 - 4200.0000 MHz 8M64G7D DIGITAL DATA

Points of Communication:

HOOVER DIANA - PERMITTED LIST - ()

SES-ASG-20180508-00542 E E120059 MAPALE LLC
Application for Consent to Assignment
Grant of Authority Date Effective: 07/16/2018

Current Licensee: MAPALE LLC
FROM: C/O BROOKS, PIERCE ET. AL.
TO: Caracol America Productions LLC

No. of Station(s) listed: 1

SES-ASG-20180702-01640 E E070126 PAPPAS TELECASTING OF CENTRAL NEBRASKA, A CALIFORNIA LIMITED PARTNERSHIP
Application for Consent to Assignment
Grant of Authority Date Effective: 07/17/2018

Current Licensee: PAPPAS TELECASTING OF CENTRAL NEBRASKA, A CALIFORNIA LIMITED PARTNERSHIP
FROM: PAPPAS TELECASTING OF CENTRAL NEBRASKA, A CALIFORNIA LIMITED PARTNERSHIP
TO: KHGI Licensee, LLC

No. of Station(s) listed: 1

SES-MFS-20180515-00624 E E080100 Row 44 Inc.
Modification 08/05/2009 - 08/05/2024
Grant of Authority Date Effective: 07/17/2018

Class of Station: Other

Nature of Service: Fixed Satellite Service, Other

SITE ID: 1
LOCATION: (.6M) CONUS, +TERR, INTERNATIONAL WATERS

ANTENNA ID: 1 0.6 meters AeroSat Avionics 70-100-0000-01
14050.0000 - 14470.0000 MHz 1M60G7D 38.60 dBW QPSK OR OCTAL PSK
11700.0000 - 12200.0000 MHz 36M0G7D 0.00 dBW QPSK OR OCTAL PSK

SITE ID: 2
LOCATION: (.62M) CONUS,+ TERR, INTERNATIONAL WATERS

ANTENNA ID:	2	0.62 meters	TECOM	Ku-Stream
14050.0000 - 14470.0000 MHz	1M60G7D	41.30 dBW	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	
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	
14050.0000 - 14470.0000 MHz	1M60G7D	41.30 dBW	QPSK OR OCTAL PSK	
14050.0000 - 14470.0000 MHz	3M20G7D	43.80 dBW	QPSK OR OCTAL PSK	
14050.0000 - 14470.0000 MHz	1M20G7D	42.80 dBW	QPSK OR OCTAL PSK	
14050.0000 - 14470.0000 MHz	2M04G7D	42.80 dBW	QPSK OR OCTAL PSK	
14050.0000 - 14470.0000 MHz	4M09G7D	42.80 dBW	QPSK OR OCTAL PSK	
12250.0000 - 12750.0000 MHz	36M0G7D		QPSK OR OCTAL PSK	
11450.0000 - 12200.0000 MHz	36M0G7D		QPSK OR OCTAL PSK	
11200.0000 - 11450.0000 MHz	36M0G7D		QPSK OR OCTAL PSK	
10950.0000 - 11200.0000 MHz	36M0G7D		QPSK OR OCTAL PSK	
10950.0000 - 11200.0000 MHz	36M0G7D		QPSK OR OCTAL PSK	
10700.0000 - 11700.0000 MHz	36M0G7D		QPSK OR OCTAL PSK	

SITE ID: 3
LOCATION: (.63M) CONUS,+ TERR, INTERNATIONAL WATERS

ANTENNA ID:	3	0.63 meters	QEST	Q050000
14050.0000 - 14470.0000 MHz	4M09G7D	41.90 dBW	QPSK OR OCTAL PSK	
14050.0000 - 14470.0000 MHz	2M04G7D	41.90 dBW	QPSK OR OCTAL PSK	
14050.0000 - 14470.0000 MHz	1M02G7D	41.90 dBW	QPSK OR OCTAL PSK	
12200.0000 - 12500.0000 MHz	36M0G7D		QPSK OR OCTAL PSK	
11700.0000 - 12200.0000 MHz	36M0G7D		QPSK OR OCTAL PSK	
11450.0000 - 11700.0000 MHz	36M0G7D		QPSK OR OCTAL PSK	

11200.0000 - 11450.0000 MHz	36M0G7D	QPSK OR OCTAL PSK
10950.0000 - 11200.0000 MHz	36M0G7D	QPSK OR OCTAL PSK
10700.0000 - 11700.0000 MHz	36M0G7D	QPSK OR OCTAL PSK

Points of Communication:

- 1 - AMC 9 (S2434) - (83 W.L.)
- 1 - HORIZONS 1 (S2475) - (127 WL)
- 1 - SES-1 (S2807) - (101.0 W.L.)
- 2 - AMC 2 - (84.85)
- 2 - AMC 9 (S2434) - (83 W.L.)
- 2 - AMC-1(S2445) - (130.90)
- 2 - AMC-3 - (72 W.L.)
- 2 - E117 WA (S2873) - (116.8 W.L.)
- 2 - ESTRELA DO SUL 2 - (63 W.L.)
- 2 - EUTELSAT115WA(S2589) - (114.9 W.L.)
- 2 - EUTELSAT115WB(S2938) - (114.9 W.L.)
- 2 - HORIZONS 1 (S2475) - (127 WL)
- 2 - INTELSAT 19 (S2850) - (166.0 E.L.)
- 2 - INTELSAT 29e (S2913) - (50.0 W.L.)
- 2 - SES-1 (S2807) - (101.0 W.L.)
- 2 - SES-10 (S2950) - (66.9 W.L.)
- 2 - SES-15 (S2951) - (129.15 W.L.)
- 2 - SES-6 (S2870) - (40.5 W.L.)
- 2 - TELSTAR 11N (S2357) - (37.5 W.L.)
- 2 - Telstar 12 (S2462) - (109.2)
- 3 - AMC 2 - (84.85)
- 3 - AMC 9 (S2434) - (83 W.L.)
- 3 - AMC-1(S2445) - (130.90)
- 3 - AMC-3 - (72 W.L.)
- 3 - EUTELSAT115WB(S2938) - (114.9 W.L.)

3 - INTELSAT 29e (S2913) - (50.0 W.L.)

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

3 - SES-10 (S2950) - (66.9 W.L.)

3 - SES-15 (S2951) - (129.15 W.L.)

3 - Telstar 12 (S2462) - (109.2)

SES-MOD-20170817-00925 E E050143 Orbital Media Networks, Inc.
Application for Modification
Grant of Authority

08/30/2005 - 08/30/2020
Date Effective: 07/17/2018

Class of Station: VSAT Network

Nature of Service: Fixed Satellite Service

SITE ID: CCSS INV 6.1A
LOCATION: 76 INVERNESS DR. EAST, STE.B 6.1M. HUB, ARAPAHOE, ENGLEWOOD, CO
39 ° 34 ' 47.00 " N LAT. 104 ° 51 ' 35.00 " W LONG.

ANTENNA ID:	INV 6.1	6.1 meters	VIASAT 8060	8060	
	14000.0000 - 14500.0000 MHz		3M80G7D	59.00 dBW	QPSK, Data
	14000.0000 - 14500.0000 MHz		7M60G7D	60.00 dBW	QPSK, Data
	11700.0000 - 12200.0000 MHz		1M50G7D	0.00 dBW	QPSK, Data
	11700.0000 - 12200.0000 MHz		3M80G7D	0.00 dBW	QPSK, Data
	11700.0000 - 12200.0000 MHz		5M50G7D		QPSK, DATA

SITE ID: TT09612 .96M
LOCATION: VSAT .96M., CONUS
0 ° 0 ' 0.00 " N LAT. 0 ° 0 ' 0.00 " W LONG.

ANTENNA ID:	TT09612 .9	0.96 meters	AVL TECHNOLOGIES	960 AVSAT	
	14000.0000 - 14500.0000 MHz		3M80G7D	52.50 dBW	QPSK, Data
	14000.0000 - 14500.0000 MHz		5M50G7D	54.00 dBW	QPSK, DATA
	11700.0000 - 12200.0000 MHz		7M60G7D	0.00 dBW	QPSK, Data

SITE ID: TT0753 .75M
LOCATION: VSAT .75M., CONUS
0 ° 0 ' 0.00 " N LAT. 0 ° 0 ' 0.00 " W LONG.

ANTENNA ID:	TT0753 .7	0.75 meters	AVL TECHNOLOGIES	750 IMOVSAT	
	14000.0000 - 14500.0000 MHz		1M50G7D	45.00 dBW	QPSK, Data

11700.0000 - 12200.0000 MHz	3M80G7D	0.00 dBW	QPSK, Data
11700.0000 - 12200.0000 MHz	7M60G7D		QPSK, DATA
SITE ID: TT0.9816			
LOCATION: VSAT .98M., CONUS			
ANTENNA ID: TT0.9816	0.98 meters	PRODELIN	1984
14000.0000 - 14500.0000 MHz	3M80G1D	53.00 dBW	QPSK
11700.0000 - 12200.0000 MHz	4M60G1D		QPSK
SITE ID: TT1016R			
LOCATION: VSAT, 1.0M., CONUS			
ANTENNA ID: TT1016R	1 meters	PATRIOT	TXINT-100KU
14000.0000 - 14500.0000 MHz	500KG7W	46.50 dBW	QPSK, DIGITAL CARRIER
14000.0000 - 14500.0000 MHz	1M00G7W	49.50 dBW	QPSK, DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	6M00G7W		QPSK, DVB-S1 DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	10M0G7W		QPSK, DVB-S2 DIGITAL CARRIER
SITE ID: TT1240DR			
LOCATION: VSAT 1.2M. DR, CONUS			
ANTENNA ID: TT1240DR	1.2 meters	PRODELIN/DR	1132
14000.0000 - 14500.0000 MHz	2M00G7W	52.50 dBW	QPSK, DIGITAL CARRIER
14000.0000 - 14500.0000 MHz	1M00G7W	49.50 dBW	QPSK, DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	6M00G7W		QPSK, DVB-S1 DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	10M0G7W		QPSK, DVB-S2 DIGITAL CARRIER
SITE ID: TT1240TV			
LOCATION: VSAT 1.2M. TV, CONUS			
ANTENNA ID: TT1240TV	1.2 meters	PRODELIN/TV	1132
14000.0000 - 14500.0000 MHz	520KG7W	45.00 dBW	QPSK, DIGITAL CARRIER
14000.0000 - 14500.0000 MHz	4M60G7W	55.00 dBW	QPSK, DIGITAL CARRIER
14000.0000 - 14500.0000 MHz	5M60G7W	55.50 dBW	QPSK
11700.0000 - 12200.0000 MHz	6M00G7W		QPSK, DVB-S1 DIGITAL CARRIER

11700.0000 - 12200.0000 MHz	10M0G7W			QPSK, DVB-S2 DIGITAL CARRIER
SITE ID: TTRVN_9808				
LOCATION: VSAT .98M., CONUS				
ANTENNA ID: TTRVN9808	0.98 meters	RAVEN		GKU98
14000.0000 - 14500.0000 MHz	1M00G1D	45.76 dBW		QPSK
11700.0000 - 12200.0000 MHz	1M00G1D			QPSK
SITE ID: TTCM1_850DR				
LOCATION: VSAT 1.8M., CONUS				
ANTENNA ID: TTCM1850D	1.8 meters	CHANNEL MASTER		TYPE 183
14000.0000 - 14500.0000 MHz	10M0G1D	56.29 dBW		QPSK
11700.0000 - 12200.0000 MHz	10M0G1D			QPSK
SITE ID: TT2_4X100				
LOCATION: 2.4M, CONUS				
ANTENNA ID: TT2_4X100	2.4 meters	SUMAN		SM-T2.4R
14000.0000 - 14500.0000 MHz	186KG1D	50.38 dBW		QPSK
14000.0000 - 14500.0000 MHz	400KG1D	53.34 dBW		QPSK
14000.0000 - 14500.0000 MHz	930KG7W	57.36 dBW		QPSK
11700.0000 - 12200.0000 MHz	400KG1D			QPSK
SITE ID: CM2_4X100				
LOCATION: 2.4M, CONUS				
39 ° 34 ' 49.00 " N LAT.		104 ° 51 ' 35.00 " W LONG.		
ANTENNA ID: CM2_4X100	2.4 meters	CHANNEL MASTER		TYPE 243
14000.0000 - 14500.0000 MHz	186KG1D	50.68 dBW		QPSK
14000.0000 - 14500.0000 MHz	400KG1D	54.50 dBW		QPSK
14000.0000 - 14500.0000 MHz	930KG7W	57.66 dBW		QPSK
11700.0000 - 12200.0000 MHz	400KG1D			QPSK
SITE ID: SMN3_7X150				
LOCATION: 76 INVERNESS DRIVE EAST, SUITE C, ARAPAHOE, ENGELWOOD, CO				
39 ° 34 ' 47.00 " N LAT.		104 ° 51 ' 35.00 " W LONG.		
ANTENNA ID: SMN3_7150	3.7 meters	SUMAN		SM-T3.7R

14000.0000 - 14500.0000 MHz	186KG1D	53.68 dBW	QPSK
14000.0000 - 14500.0000 MHz	930KG7W	60.66 dBW	QPSK
14000.0000 - 14500.0000 MHz	400KG1D	56.64 dBW	QPSK
11700.0000 - 12200.0000 MHz	400KG1D		QPSK

SITE ID: SCM1_8X2_4
LOCATION: 76 INVERNESS DRIVE EAST SUITE C, ARAPAHOE, ENGLEWOOD, CO
39 ° 34 ' 49.00 " N LAT. 104 ° 51 ' 35.00 " W LONG.

ANTENNA ID: SCM18050	1.8 meters	CHANNEL MASTER	T83 TX/RX
14000.0000 - 14500.0000 MHz	186KG1D	48.18 dBW	QPSK
14000.0000 - 14500.0000 MHz	400KG1D	51.48 dBW	QPSK
14000.0000 - 14500.0000 MHz	930KG7W	55.16 dBW	QPSK

ANTENNA ID: SCM2_4100	2.4 meters	CHANNEL MASTER	TYPE 243
14000.0000 - 14500.0000 MHz	186KG1D	50.68 dBW	QPSK
14000.0000 - 14500.0000 MHz	400KG1D	53.64 dBW	QPSK
14000.0000 - 14500.0000 MHz	930KG7W	57.66 dBW	QPSK

SITE ID: TT3_7X150
LOCATION: (3.7M 15 UNITS) CONUS

ANTENNA ID: TT37150	3.7 meters	SUMAN	SM-T3.7R
14000.0000 - 14500.0000 MHz	186KG1D	53.68 dBW	QPSK
14000.0000 - 14500.0000 MHz	10M0G7W	71.00 dBW	QPSK
14000.0000 - 14500.0000 MHz	930KG7W	60.66 dBW	QPSK, QPSK DVB-S
11700.0000 - 12200.0000 MHz	10M0G7W		QPSK, QPSK DVG-S
11700.0000 - 12200.0000 MHz	186KG1D		QPSK QPSK DVG-S

SITE ID: TTAVL.852
LOCATION: VSAT .85M, CONUS

ANTENNA ID: TTAVL.852	0.85 meters	AVL	890K MVSAT
14000.0000 - 14500.0000 MHz	1M29G7W	42.07 dBW	QPSK
14000.0000 - 14500.0000 MHz	1M29G7W		QPSK

Points of Communication:

CCSS INV 6.1A - PERMITTED LIST - ()

CM2_4X100 - PERMITTED LIST - ()

SCM1_8X2_4 - PERMITTED LIST - ()

SMN3_7X150 - PERMITTED LIST - ()

TT0.9816 - SES-1 (S2807) - (101.0 W.L.)

TT0753 .75M - AMC-4 (S2135) - (134.9 W.L.)

TT0753 .75M - AMSC 1 - (103 W.L.)

TT09612 .96M - AMC-4 (S2135) - (134.9 W.L.)

TT09612 .96M - AMSC 1 - (103 W.L.)

TT1016R - AMC-4 (S2135) - (134.9 W.L.)

TT1016R - SES-1 (S2807) - (101.0 W.L.)

TT1240DR - PERMITTED LIST - ()

TT1240TV - PERMITTED LIST - ()

TT2_4X100 - PERMITTED LIST - ()

TT3_7X150 - PERMITTED LIST - ()

TTAVL.852 - PERMITTED LIST - ()

TTCM1_850DR - PERMITTED LIST - ()

TTRVN_9808 - PERMITTED LIST - ()

SES-MOD-20171220-01352 E E000001 EXXON COMMUNICATIONS COMPANY

Application for Modification

03/17/2010 - 03/17/2025

Grant of Authority

Date Effective: 07/17/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: HOOVER DIANA

LOCATION: DRILLING PLATFORM, GULF OF MEXICO, TX

26 ° 56 ' 20.80 " N LAT.

94 ° 41 ' 20.00 " W LONG.

ANTENNA ID: US804H3 2.4 meters CODHAM 9797B-70

5925.0000 - 6425.0000 MHz 8M64G7D 53.10 dBW DIGITAL DATA

3700.0000 - 4200.0000 MHz 8M64G7D DIGITAL DATA

Points of Communication:

HOOVER DIANA - PERMITTED LIST - ()

SES-MOD-20171221-01360 E E160094 ViaSat, Inc.
Application for Modification 01/19/2017 - 01/19/2032
Grant of Authority Date Effective: 07/13/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: SAN 1
LOCATION: 419 11th St, Richmond, Augusta, GA
33 ° 28 ' 28.61 " N LAT. 81 ° 58 ' 21.88 " W LONG.

ANTENNA ID:	1	4.1 meters	ViaSat, Inc.	VA-41-KA
	29500.0000 - 30000.0000 MHz	417MG7D	60.00 dBW	416.6 MBd M-ary PSK Digital Data
	27600.0000 - 29100.0000 MHz	417MG7D	60.00 dBW	416.6 MBd M-ary PSK Digital Data
	27500.0000 - 28100.0000 MHz	500MG7D	61.60 dBW	500 MBd M-ary PSK Digital Carrier
	19700.0000 - 20200.0000 MHz	417MG7D		416.6 MBd M-ary PSK Digital Data
	17800.0000 - 19300.0000 MHz	417MG7D		416.6 MBd M-ary PSK Digital Data
	17700.0000 - 18300.0000 MHz	500MG7D		500 MBd M-ary PSK Digital Carrier

Points of Communication:

SAN 1 - VIASAT-2 (S2902) - (69.9 W.L.)

SES-MOD-20171221-01361 E E160102 ViaSat, Inc.
Application for Modification 01/19/2017 - 01/19/2032
Grant of Authority Date Effective: 07/13/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: SAN 1
LOCATION: 1803 Herky Horine Rd, Jefferson, Pevely, MO
38 ° 15 ' 53.50 " N LAT. 90 ° 24 ' 45.13 " W LONG.

ANTENNA ID:	1	4.1 meters	ViaSat, Inc.	VA-41-KA
	29500.0000 - 30000.0000 MHz	417MG7D	60.00 dBW	416.6 MBd M-ary PSK Digital Data
	27600.0000 - 29100.0000 MHz	417MG7D	60.00 dBW	416.6 MBd M-ary PSK Digital Data
	27500.0000 - 28100.0000 MHz	500MG7D	61.60 dBW	500 MBd M-ary PSK Digital Carrier

19700.0000 - 20200.0000 MHz	417MG7D	416.6 MBd M-ary PSK Digital Data
17800.0000 - 19300.0000 MHz	417MG7D	416.6 MBd M-ary PSK Digital Data
17700.0000 - 18300.0000 MHz	500MG7D	500 MBd M-ary PSK Digital Carrier

Points of Communication:

SAN 1 - VIASAT-2 (S2902) - (69.9 W.L.)

SES-MOD-20171221-01362 E E160114 ViaSat, Inc.
 Application for Modification 01/19/2017 - 01/19/2032
 Grant of Authority Date Effective: 07/13/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: SAN 1
 LOCATION: 25726 South Hansen Road, San Juaquine, Tracy, CA
 37 ° 43 ' 16.58 " N LAT. 121 ° 30 ' 38.33 " W LONG.

ANTENNA ID: 1	4.1 meters	ViaSat, Inc.	VA-41-KA
29500.0000 - 30000.0000 MHz	417MG7D	60.00 dBW	416.6 MBd M-ary PSK Digital Data
27600.0000 - 29100.0000 MHz	417MG7D	60.00 dBW	416.6 MBd M-ary PSK Digital Data
27500.0000 - 28100.0000 MHz	500MG7D	61.60 dBW	500 MBd M-ary PSK Digital Carrier
19700.0000 - 20200.0000 MHz	417MG7D		416.6 MBd M-ary PSK Digital Data
17800.0000 - 19300.0000 MHz	417MG7D		416.6 MBd M-ary PSK Digital Data
17700.0000 - 18300.0000 MHz	500MG7D		500 MBd M-ary PSK Digital Carrier

Points of Communication:

SAN 1 - VIASAT-2 (S2902) - (69.9 W.L.)

SES-MOD-20171221-01363 E E160104 ViaSat, Inc.
 Application for Modification 01/19/2017 - 01/19/2032
 Grant of Authority Date Effective: 07/13/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: SAN 1
 LOCATION: 10136 Hirschdale Rd, Nevada, Truckee, CA
 39 ° 22 ' 55.17 " N LAT. 120 ° 4 ' 54.56 " W LONG.

ANTENNA ID: 1	4.1 meters	ViaSat, Inc.	VA-41-KA
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SITE ID: SAN 1
LOCATION: 969 Broad St, Portsmouth, Portsmouth, VA
36 ° 50 ' 17.55 " N LAT. 76 ° 20 ' 0.66 " W LONG.

ANTENNA ID:	1	4.1 meters	ViaSat, Inc.	VA-41-KA
29500.0000 - 30000.0000 MHz		417MG7D	60.00 dBW	416.6 MBd M-ary PSK Digital Data
27600.0000 - 29100.0000 MHz		417MG7D	60.00 dBW	416.6 MBd M-ary PSK Digital Data
27500.0000 - 28100.0000 MHz		500MG7D	61.60 dBW	500 MBd M-ary PSK Digital Carrier
19700.0000 - 20200.0000 MHz		417MG7D		416.6 MBd M-ary PSK Digital Data
17800.0000 - 19300.0000 MHz		417MG7D		416.6 MBd M-ary PSK Digital Data
17700.0000 - 18300.0000 MHz		500MG7D		500 MBd M-ary PSK Digital Carrier

Points of Communication:

SAN 1 - VIASAT-2 (S2902) - (69.9 W.L.)

SES-MOD-20171221-01366 E E160096 ViaSat, Inc.
Application for Modification 01/19/2017 - 01/19/2032
Grant of Authority Date Effective: 07/13/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: SAN 1
LOCATION: 143 S. 25th St, Allegheny, Pittsburgh, PA
40 ° 25 ' 30.18 " N LAT. 79 ° 58 ' 11.06 " W LONG.

ANTENNA ID:	1	4.1 meters	ViaSat, Inc.	VA-41-KA
29500.0000 - 30000.0000 MHz		417MG7D	60.00 dBW	416.6 MBd M-ary PSK Digital Data
27600.0000 - 29100.0000 MHz		417MG7D	60.00 dBW	416.6 MBd M-ary PSK Digital Data
27500.0000 - 28100.0000 MHz		500MG7D	61.60 dBW	500 MBd M-ary PSK Digital Carrier
19700.0000 - 20200.0000 MHz		417MG7D		416.6 MBd M-ary PSK Digital Data
17800.0000 - 19300.0000 MHz		417MG7D		416.6 MBd M-ary PSK Digital Data
17700.0000 - 18300.0000 MHz		500MG7D		500 MBd M-ary PSK Digital Carrier

Points of Communication:

SAN 1 - VIASAT-2 (S2902) - (69.9 W.L.)

SES-MOD-20171221-01367 E E160095 ViaSat, Inc.
Application for Modification
Grant of Authority

01/19/2017 - 01/19/2032
Date Effective: 07/13/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: SAN 1
LOCATION: 1180 Sathers Drive, Luzerne, Pittston, PA
41 ° 18 ' 59.30 " N LAT. 75 ° 42 ' 54.04 " W LONG.

ANTENNA ID:	1	4.1 meters	ViaSat, Inc.	VA-41-KA
29500.0000 - 30000.0000 MHz		417MG7D	60.00 dBW	416.6 MBd M-ary PSK Digital Data
27600.0000 - 29100.0000 MHz		417MG7D	60.00 dBW	416.6 MBd M-ary PSK Digital Data
27500.0000 - 28100.0000 MHz		500MG7D	61.60 dBW	500 MBd M-ary PSK Digital Carrier
19700.0000 - 20200.0000 MHz		417MG7D		416.6 MBd M-ary PSK Digital Data
17800.0000 - 19300.0000 MHz		417MG7D		416.6 MBd M-ary PSK Digital Data
17700.0000 - 18300.0000 MHz		500MG7D		500 MBd M-ary PSK Digital Carrier

Points of Communication:

SAN 1 - VIASAT-2 (S2902) - (69.9 W.L.)

SES-MOD-20171221-01368 E E160101 ViaSat, Inc.
Application for Modification
Grant of Authority

01/19/2017 - 01/19/2032
Date Effective: 07/13/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: SAN 1
LOCATION: 912 North Pine St, Polaski, North Little Rock, AR
34 ° 45 ' 44.56 " N LAT. 92 ° 15 ' 36.14 " W LONG.

ANTENNA ID:	1	4.1 meters	ViaSat, Inc.	VA-41-KA
29500.0000 - 30000.0000 MHz		417MG7D	60.00 dBW	416.6 MBd M-ary PSK Digital Data
27600.0000 - 29100.0000 MHz		417MG7D	60.00 dBW	416.6 MBd M-ary PSK Digital Data
27500.0000 - 28100.0000 MHz		500MG7D	61.60 dBW	500 MBd M-ary PSK Digital Carrier
19700.0000 - 20200.0000 MHz		417MG7D		416.6 MBd M-ary PSK Digital Data
17800.0000 - 19300.0000 MHz		417MG7D		416.6 MBd M-ary PSK Digital Data

17700.0000 - 18300.0000 MHz

500MG7D

500 MBd M-ary PSK Digital Carrier

Points of Communication:

SAN 1 - VIASAT-2 (S2902) - (69.9 W.L.)

SES-MOD-20171221-01369

E E160130

ViaSat, Inc.

Application for Modification

01/19/2017 - 01/19/2032

Grant of Authority

Date Effective: 07/13/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 7045 Hwy 305 N, DeSoto, Olive Branch, MS

34 ° 57 ' 46.83 " N LAT.

89 ° 49 ' 52.26 " W LONG.

ANTENNA ID: 1

4.1 meters

ViaSat, Inc.

VA-41-KA

29500.0000 - 30000.0000 MHz

417MG7D

60.00 dBW

416.6 MBd M-ary PSK Digital Data

27600.0000 - 29100.0000 MHz

417MG7D

60.00 dBW

416.6 MBd M-ary PSK Digital Data

27500.0000 - 28100.0000 MHz

500MG7D

61.60 dBW

500 MBd M-ary PSK Digital Carrier

19700.0000 - 20200.0000 MHz

417MG7D

416.6 MBd M-ary PSK Digital Data

17800.0000 - 19300.0000 MHz

417MG7D

416.6 MBd M-ary PSK Digital Data

17700.0000 - 18300.0000 MHz

500MG7D

500 MBd M-ary PSK Digital Carrier

Points of Communication:

1 - VIASAT-2 (S2902) - (69.9 W.L.)

SES-MOD-20171221-01370

E E160100

ViaSat, Inc.

Application for Modification

01/19/2017 - 01/19/2032

Grant of Authority

Date Effective: 07/13/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: SAN 1

LOCATION: 1965 Porter St, Wayne, Detroit, MI

42 ° 19 ' 30.09 " N LAT.

83 ° 4 ' 11.71 " W LONG.

ANTENNA ID: 1

4.1 meters

ViaSat, Inc.

VA-41-KA

29500.0000 - 30000.0000 MHz

417MG7D

60.00 dBW

416.6 MBd M-ary PSK Digital Data

27600.0000 - 29100.0000 MHz

417MG7D

60.00 dBW

416.6 MBd M-ary PSK Digital Data

27500.0000 - 28100.0000 MHz	500MG7D	61.60 dBW	500 MBd M-ary PSK Digital Carrier
19700.0000 - 20200.0000 MHz	417MG7D		416.6 MBd M-ary PSK Digital Data
17800.0000 - 19300.0000 MHz	417MG7D		416.6 MBd M-ary PSK Digital Data
17700.0000 - 18300.0000 MHz	500MG7D		500 MBd M-ary PSK Digital Carrier

Points of Communication:

SAN 1 - VIASAT-2 (S2902) - (69.9 W.L.)

SES-MOD-20171221-01371 E E160103 ViaSat, Inc.
 Application for Modification 01/19/2017 - 01/19/2032
 Grant of Authority Date Effective: 07/13/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: SAN 1
 LOCATION: 160 SW 701st Rd, Johnson, Centerview, MO
 38 ° 44 ' 35.79 " N LAT. 93 ° 52 ' 42.81 " W LONG.

ANTENNA ID: 1	4.1 meters	ViaSat, Inc.	VA-41-KA
29500.0000 - 30000.0000 MHz	417MG7D	60.00 dBW	416.6 MBd M-ary PSK Digital Data
27600.0000 - 29100.0000 MHz	417MG7D	60.00 dBW	416.6 MBd M-ary PSK Digital Data
27500.0000 - 28100.0000 MHz	500MG7D	61.60 dBW	500 MBd M-ary PSK Digital Carrier
19700.0000 - 20200.0000 MHz	417MG7D		416.6 MBd M-ary PSK Digital Data
17800.0000 - 19300.0000 MHz	417MG7D		416.6 MBd M-ary PSK Digital Data
17700.0000 - 18300.0000 MHz	500MG7D		500 MBd M-ary PSK Digital Carrier

Points of Communication:

SAN 1 - VIASAT-2 (S2902) - (69.9 W.L.)

SES-MOD-20171221-01372 E E160106 ViaSat, Inc.
 Application for Modification 01/19/2017 - 01/19/2032
 Grant of Authority Date Effective: 07/13/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: SAN 1
 LOCATION: 311 Venture Drive, Waukesha, Dousman, WI
 43 ° 0 ' 52.28 " N LAT. 88 ° 27 ' 58.70 " W LONG.

ANTENNA ID:	1	4.1 meters	ViaSat, Inc.	VA-41-KA
	29500.0000 - 30000.0000 MHz	417MG7D	60.00 dBW	416.6 MBd M-ary PSK Digital Data
	27600.0000 - 29100.0000 MHz	417MG7D	60.00 dBW	416.6 MBd M-ary PSK Digital Data
	27500.0000 - 28100.0000 MHz	500MG7D	61.60 dBW	500 MBd M-ary PSK Digital Carrier
	19700.0000 - 20200.0000 MHz	417MG7D		416.6 MBd M-ary PSK Digital Data
	17800.0000 - 19300.0000 MHz	417MG7D		416.6 MBd M-ary PSK Digital Data
	17700.0000 - 18300.0000 MHz	500MG7D		500 MBd M-ary PSK Digital Carrier

Points of Communication:

SAN 1 - VIASAT-2 (S2902) - (69.9 W.L.)

SES-MOD-20171221-01373	E E160107	ViaSat, Inc.	01/19/2017 - 01/19/2032
Application for Modification			Date Effective: 07/13/2018
Grant of Authority			

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: SAN 1
LOCATION: 3500 Lyman Blvd, Carver, Chaska, MN
44 ° 51 ' 3.77 " N LAT. 93 ° 35 ' 53.87 " W LONG.

ANTENNA ID:	1	4.1 meters	ViaSat, Inc.	VA-41-KA
	29500.0000 - 30000.0000 MHz	417MG7D	60.00 dBW	416.6 MBd M-ary PSK Digital Data
	27600.0000 - 29100.0000 MHz	417MG7D	60.00 dBW	416.6 MBd M-ary PSK Digital Data
	27500.0000 - 28100.0000 MHz	500MG7D	61.60 dBW	500 MBd M-ary PSK Digital Carrier
	19700.0000 - 20200.0000 MHz	417MG7D		416.6 MBd M-ary PSK Digital Data
	17800.0000 - 19300.0000 MHz	417MG7D		416.6 MBd M-ary PSK Digital Data
	17700.0000 - 18300.0000 MHz	500MG7D		500 MBd M-ary PSK Digital Carrier

Points of Communication:

SAN 1 - VIASAT-2 (S2902) - (69.9 W.L.)

SES-MOD-20171221-01374	E E160112	ViaSat, Inc.	01/19/2017 - 01/19/2032
Application for Modification			Date Effective: 07/13/2018
Grant of Authority			

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: SAN 1

LOCATION: 526 West 17th Street, Weber, Ogden, UT
41 ° 14 ' 17.82 " N LAT.

111 ° 59 ' 28.47 " W LONG.

ANTENNA ID:	1	4.1 meters	ViaSat, Inc.	VA-41-KA
29500.0000 - 30000.0000 MHz		417MG7D	60.00 dBW	416.6 MBd M-ary PSK Digital Data
27600.0000 - 29100.0000 MHz		417MG7D	60.00 dBW	416.6 MBd M-ary PSK Digital Data
27500.0000 - 28100.0000 MHz		500MG7D	61.60 dBW	500 MBd M-ary PSK Digital Carrier
19700.0000 - 20200.0000 MHz		417MG7D		416.6 MBd M-ary PSK Digital Data
17800.0000 - 19300.0000 MHz		417MG7D		416.6 MBd M-ary PSK Digital Data
17700.0000 - 18300.0000 MHz		500MG7D		500 MBd M-ary PSK Digital Carrier

Points of Communication:

SAN 1 - VIASAT-2 (S2902) - (69.9 W.L.)

~~SES-MOD-20171221-01375~~ E E160110 ViaSat, Inc.

Application for Modification

01/19/2017 - 01/19/2032

Grant of Authority

Date Effective: 07/13/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: SAN 1

LOCATION: 4485 E Sahara Ave, Clark, Las Vegas, NV
36 ° 8 ' 33.70 " N LAT.

115 ° 4 ' 38.10 " W LONG.

ANTENNA ID:	1	4.1 meters	ViaSat, Inc.	VA-41-KA
29500.0000 - 30000.0000 MHz		417MG7D	60.00 dBW	416.6 MBd M-ary PSK Digital Data
27600.0000 - 29100.0000 MHz		417MG7D	60.00 dBW	416.6 MBd M-ary PSK Digital Data
27500.0000 - 28100.0000 MHz		500MG7D	61.60 dBW	500 MBd M-ary PSK Digital Carrier
19700.0000 - 20200.0000 MHz		417MG7D		416.6 MBd M-ary PSK Digital Data
17800.0000 - 19300.0000 MHz		417MG7D		416.6 MBd M-ary PSK Digital Data
17700.0000 - 18300.0000 MHz		500MG7D		500 MBd M-ary PSK Digital Carrier

Points of Communication:

SAN 1 - VIASAT-2 (S2902) - (69.9 W.L.)

SES-MOD-20171221-01376 E E160098 ViaSat, Inc.

Application for Modification

01/19/2017 - 01/19/2032

Grant of Authority

Date Effective: 07/13/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: SAN 1

LOCATION: 1203 North Frio Street, Bexter, San Antonio, TX

29 ° 26 ' 18.32 " N LAT.

98 ° 30 ' 25.32 " W LONG.

ANTENNA ID:	1	4.1 meters	ViaSat, Inc.	VA-41-KA
	29500.0000 - 30000.0000 MHz	417MG7D	60.00 dBW	416.6 MBd M-ary PSK Digital Data
	27600.0000 - 29100.0000 MHz	417MG7D	60.00 dBW	416.6 MBd M-ary PSK Digital Data
	27500.0000 - 28100.0000 MHz	500MG7D	61.60 dBW	500 MBd M-ary PSK Digital Carrier
	19700.0000 - 20200.0000 MHz	417MG7D		416.6 MBd M-ary PSK Digital Data
	17800.0000 - 19300.0000 MHz	417MG7D		416.6 MBd M-ary PSK Digital Data
	17700.0000 - 18300.0000 MHz	500MG7D		500 MBd M-ary PSK Digital Carrier

Points of Communication:

SAN 1 - VIASAT-2 (S2902) - (69.9 W.L.)

SES-MOD-20180501-00511 E E860670 Sacramento Television Stations Inc.

Application for Modification

06/20/2006 - 06/20/2021

Grant of Authority

Date Effective: 07/17/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 2713 KOVR DR., YOLO, WEST SACRAMENTO, CA

38 ° 35 ' 31.60 " N LAT.

121 ° 32 ' 44.80 " W LONG.

ANTENNA ID:	1	4.5 meters	PATRIOT ANTENNA	4.5M
	3700.0000 - 4200.0000 MHz	36M0G7W		Digital Audio, Video, Data

SITE ID: 2

LOCATION: 2713 KOVR DR., YOLO, WEST SACRAMENTO, CA

38 ° 35 ' 34.90 " N LAT.

121 ° 32 ' 47.30 " W LONG.

ANTENNA ID:	2	4.2 meters	DAWNCO	D42F48-8PC-6.6
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3700.0000 - 4200.0000 MHz

36M0G7W

Digital Audio, Video, Data

Points of Communication:

1 - PERMITTED LIST - ()

2 - PERMITTED LIST - ()

SES-MOD-20180524-00965 E E120241 CBS Communications Services Inc.

Application for Modification

12/14/2012 - 12/14/2027

Grant of Authority

Date Effective: 07/17/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 22 WASHINGTON ST., CHICAGO, IL

41 ° 53 ' 1.30 " N LAT.

87 ° 37 ' 45.50 " W LONG.

ANTENNA ID: 1 4.5 meters ANDREW ESA45

3700.0000 - 4200.0000 MHz 36M0G7W DIGITAL, AUDIO, VIDEO, DATA

ANTENNA ID: 2 3.7 meters ANDREW ESA37

3700.0000 - 4200.0000 MHz 36M0G7W DIGITAL, AUDIO, VIDEO, DATA

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180501-00660 E E180293 W.T. Services, Inc.

Registration

05/01/2018 - 05/01/2033

Grant of Authority

Date Effective: 07/17/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 204 W. 4th, Deaf Smith, Hereford, TX

34 ° 49 ' 1.83 " N LAT.

102 ° 24 ' 5.78 " W LONG.

ANTENNA ID: 1 3.7 meters ATCI Simulsat 5B

3700.0000 - 4200.0000 MHz 36M0G7W Digital traffic, digital video

3700.0000 - 4200.0000 MHz 36M0F3F Standard analog video

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180516-00812 E E180414 Taxi Productions, Inc.
Registration 05/16/2018 - 05/16/2033
Grant of Authority Date Effective: 07/13/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 161 N. La Brea Ave., Los Angeles, Inglewood, CA
33 ° 57 ' 50.20 " N LAT. 118 ° 21 ' 14.70 " W LONG.

ANTENNA ID: 3.0M. 3 meters Sami 3.0M.
3700.0000 - 4200.0000 MHz 36M0G7W Digital traffic, various FEC, data rates and modulations

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180516-00849 E E180434 Ithaca College School of Communications
Registration 05/16/2018 - 05/16/2033
Grant of Authority Date Effective: 07/13/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 953 Danby Road, Park Hall 129 (ICB-1), New York, Ithaca, NY
42 ° 25 ' 26.20 " N LAT. 76 ° 29 ' 42.90 " W LONG.

ANTENNA ID: ICB-1 3.8 meters Comtech 934D0015-G2
3700.0000 - 4200.0000 MHz 36M0G7W Digital data, audio & video

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180517-00819 E E180416 KHQA Licensee, LLC
Registration 05/16/2018 - 05/16/2033
Grant of Authority Date Effective: 07/13/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 301 S 36th St, Adams, Quincy, IL
39 ° 55 ' 43.00 " N LAT. 91 ° 21 ' 30.00 " W LONG.

ANTENNA ID: 4.6M. 4.5 meters Scientific Atlanta 8346

3700.0000 - 4200.0000 MHz

36M0G7W

digital data: various FEC, data rates and modulation

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180517-00826 E E180417 KVII Licensee, LLC

Registration

05/16/2018 - 05/16/2033

Grant of Authority

Date Effective: 07/13/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 1 Broadcast Center, Potter, Amarillo, TX

35 ° 12 ' 5.10 " N LAT.

101 ° 50 ' 1.90 " W LONG.

ANTENNA ID: 4.5M.

4.5 meters

Comtech Antenna systems

4.5M.

3700.0000 - 4200.0000 MHz

36M0G7W

digital data: various FEC, data rates and modulation

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180517-00840 E E180426 KPTH Licensee, LLC

Registration

05/17/2018 - 05/17/2033

Grant of Authority

Date Effective: 07/13/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 100 Gold Circle, Union, Dakota Dunes, SD

42 ° 30 ' 9.30 " N LAT.

96 ° 29 ' 24.20 " W LONG.

ANTENNA ID: 7.3M.

7.3 meters

Andrew Corporation

ESA73-46

3700.0000 - 4200.0000 MHz

36M0G7W

digital data: various FEC, data rates and modulation

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180518-00781 E E180390 Randall S Davidson (d/b/a WRST-FM)

Registration

05/18/2018 - 05/18/2033

Grant of Authority

Date Effective: 07/16/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 1020 Algoma Blvd. (Titan TV Dish), Winnebago, Oshkosh, WI
44 ° 1 ' 44.90 " N LAT. 88 ° 33 ' 11.80 " W LONG.

ANTENNA ID: Antenna 1 3.7 meters Miralite 370

3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Modulation and Services Digital Video

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180518-00837 E E180423 WPW Broadcasting Inc
Registration 05/17/2018 - 05/17/2033
Grant of Authority Date Effective: 07/13/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 55 Public Square, Warren, Monmouth, IL
40 ° 54 ' 41.00 " N LAT. 90 ° 38 ' 52.00 " W LONG.

ANTENNA ID: 3.8M. 3.8 meters DH Satellite 3.8M

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

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180518-00864 E E180443 Northern Arizona University
Registration 05/18/2018 - 05/18/2033
Grant of Authority Date Effective: 07/13/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: Mt Francis, Coconino, Prescott, AZ
34 ° 29 ' 24.00 " N LAT. 112 ° 32 ' 2.40 " W LONG.

ANTENNA ID: 3.7M. 3.7 meters Prodelin 1374

3700.0000 - 4200.0000 MHz 30K0G7W digital data: various FEC, data rates and modulation

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

3700.0000 - 4200.0000 MHz	30K0G3W	Digital / Analog carrier : various FEC, data rates and modulation
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3700.0000 - 4200.0000 MHz	36M0G3W	Digital / Analog carrier : various FEC, data rates and modulation
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Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180518-00865	E E180444	Northern Arizona University	05/18/2018 - 05/18/2033
Registration			Date Effective: 07/13/2018
Grant of Authority			

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: Grand Canyon, Coconino, Grand Canyon, AZ
35 ° 56 ' 43.30 " N LAT. 112 ° 10 ' 19.30 " W LONG.

ANTENNA ID: 3.7M. 3.7 meters Prodelin 1374

3700.0000 - 4200.0000 MHz	30K0G7W	digital data: various FEC, data rates and modulation
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3700.0000 - 4200.0000 MHz	36M0G7W	digital data: various FEC, data rates and modulation
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3700.0000 - 4200.0000 MHz	30K0G3W	Digital / Analog carrier : various FEC, data rates and modulation
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3700.0000 - 4200.0000 MHz	36M0G3W	Digital / Analog carrier : various FEC, data rates and modulation
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Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180518-00867	E E180446	Antietam Cable Television, LLC dba Antietam Broadband	05/18/2018 - 05/18/2033
Registration			Date Effective: 07/13/2018
Grant of Authority			

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 42 Hump Rd (Backup), Washington, Hagerstown, MD
39 ° 38 ' 35.70 " N LAT. 77 ° 44 ' 54.20 " W LONG.

ANTENNA ID: 5M. 5 meters Patriot 5 meter

3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video Carrier
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Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180518-00868 E E180447 WACH Licensee, LLC
Registration 05/18/2018 - 05/18/2033
Grant of Authority Date Effective: 07/13/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 1400 Pickens Street Floor 6, Richland, Columbia, SC
34 ° 0 ' 21.00 " N LAT. 81 ° 16 ' 57.00 " W LONG.

ANTENNA ID: 5.0M. 5 meters Andrew Corporation ESA5B-46
3700.0000 - 4200.0000 MHz 36M0G7W digital data: various FEC, data rates and modulation

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180520-00878 E E180456 Jacksonville Educators Broadcasting, Inc.
Registration 05/20/2018 - 05/20/2033
Grant of Authority Date Effective: 07/11/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 8541 Newton Rd (WJEB), Duval, Jacksonville, FL
30 ° 16 ' 34.70 " N LAT. 81 ° 33 ' 50.90 " W LONG.

ANTENNA ID: 3.8M. 3.8 meters Challenger 3.8M.
3700.0000 - 4200.0000 MHz 36M0G7W digital data: various FEC, data rates and modulation

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180520-00879 E E180457 Jacksonville Educators Broadcasting, Inc.
Registration 05/20/2018 - 05/20/2033
Grant of Authority Date Effective: 07/13/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 3350 Bridge Rd, Martin, Hobe Sound, FL
27 ° 1 ' 33.70 " N LAT. 80 ° 10 ' 42.20 " W LONG.

ANTENNA ID: 3.8M. 3.8 meters Challenger 3.8M.
3700.0000 - 4200.0000 MHz 36M0G7W digital data: various FEC, data rates and modulation

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180521-00881 E E180460 Press Communications, LLC
Registration 05/21/2018 - 05/21/2033
Grant of Authority Date Effective: 07/13/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 2355 West Bangs, Monmouth, Neptune, NJ
40 ° 13 ' 6.10 " N LAT. 74 ° 2 ' 31.50 " W LONG.

ANTENNA ID: 4.5M. 4.5 meters Andrew Corp 4.5M.
3700.0000 - 4200.0000 MHz 36M0G7W Digital traffic, various FEC, data rates and modulations

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180521-00882 E E180461 Trinity Christian Center of Santa Ana, Inc.
Registration 05/21/2018 - 05/21/2033
Grant of Authority Date Effective: 07/13/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 315 Chester Avenue, Fulton, Atlanta, GA
33 ° 44 ' 41.50 " N LAT. 84 ° 21 ' 36.50 " W LONG.

ANTENNA ID: 3.8M. 3.8 meters Challenger 3.8M.
3700.0000 - 4200.0000 MHz 36M0G7W digital data: various FEC, data rates and modulation

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180521-00883 E E180462 Trinity Christian Center of Santa Ana, Inc.
Registration 05/21/2018 - 05/21/2033
Grant of Authority Date Effective: 07/13/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 155 Palehua Rd B, Honolulu, Kapolei, HI
21 ° 23 ' 33.60 " N LAT. 158 ° 5 ' 48.10 " W LONG.

ANTENNA ID: 3.8M. 3.8 meters Challenger 3.8M.
3700.0000 - 4200.0000 MHz 36M0G7W digital data: various FEC, data rates and modulation

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180521-00889 E E180467 Trinity Broadcasting of Arizona, Inc.
Registration 05/21/2018 - 05/21/2033
Grant of Authority Date Effective: 07/13/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 10919 S Central Ave Suite 14A, Maricopa, Phoenix, AZ
33 ° 20 ' 4.00 " N LAT. 112 ° 3 ' 43.30 " W LONG.

ANTENNA ID: 3.8M. 3.8 meters Challenger 3.8M.
3700.0000 - 4200.0000 MHz 36M0G7W digital data: various FEC, data rates and modulation

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180521-00891 E E180469 New West Broadcasting Systems, Inc.
Registration 05/21/2018 - 05/21/2033
Grant of Authority Date Effective: 07/13/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 812 E. Beale St., Mohave, Kingman, AZ
35 ° 11 ' 16.50 " N LAT. 114 ° 2 ' 42.80 " W LONG.

ANTENNA ID: 3.0M. 3 meters Prodelin Corp 3.0M.

3700.0000 - 4200.0000 MHz

36M0G7W

Digital traffic, various FEC, data rates
and modulations

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180522-00863 E E180442 WPDE Licensee, LLC

Registration

05/21/2018 - 05/21/2033

Grant of Authority

Date Effective: 07/13/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 961 Pee Dee Church Road, Dillon, Floyd Dale, SC

34 ° 22 ' 3.00 " N LAT.

79 ° 19 ' 48.00 " W LONG.

ANTENNA ID: 5.0M.

5 meters

Prodelin

138-750

3700.0000 - 4200.0000 MHz

36M0G7W

digital data: various FEC, data rates and
modulation

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180522-00880 E E180458 KGAN Licensee, LLC

Registration

05/21/2018 - 05/21/2033

Grant of Authority

Date Effective: 07/13/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 600 Old Marion RD NE, Linn, Cedar Rapids, IA

42 ° 1 ' 38.20 " N LAT.

91 ° 38 ' 25.80 " W LONG.

ANTENNA ID: 7.0M.

7 meters

Scientific Atlanta, Inc.

8010

3700.0000 - 4200.0000 MHz

36M0G7W

digital data: various FEC, data rates and
modulation

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180522-00892 E E180470 WLUK Licensee, LLC

Registration

05/21/2018 - 05/21/2033

Grant of Authority

Date Effective: 07/16/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 787 Lombardi Ave, Brown, Green Bay, WI
44 ° 29 ' 59.60 " N LAT.

88 ° 3 ' 13.90 " W LONG.

ANTENNA ID: 4.5M. 4.5 meters Scientific Atlanta 4.5M.

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

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180522-00905 E E180483 WPDE Licensee, LLC

Registration

05/21/2018 - 05/21/2033

Grant of Authority

Date Effective: 07/13/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 10 University Blvd, Horry, Conway, SC
33 ° 47 ' 59.60 " N LAT.

79 ° 4 ' 4.10 " W LONG.

ANTENNA ID: 5.0M. 5 meters Prodelin 138-750

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

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180522-00909 E E180485 KDSM Licensee, LLC

Registration

05/21/2018 - 05/21/2033

Grant of Authority

Date Effective: 07/13/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 4023 Fleur Drive, Polk, Des Moines, IA
41 ° 32 ' 50.00 " N LAT.

93 ° 38 ' 38.80 " W LONG.

ANTENNA ID: 6.1M. 6.1 meters Vertex 6.1M

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

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180522-00911 E E180486 Mid-South Public Communications Foundation
Registration 05/22/2018 - 05/22/2033
Grant of Authority Date Effective: 07/13/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 7151 Cherry Farms Rd, Shelby, Cardova, TN
35 ° 10 ' 25.80 " N LAT. 89 ° 49 ' 31.40 " W LONG.

ANTENNA ID:	4.2M.	4.2 meters	DH Satellite	4.2M.
	3700.0000 - 4200.0000 MHz		36M0G7W	digital data: various FEC, data rates and modulation
	3700.0000 - 4200.0000 MHz		30K0G7W	digital data: various FEC, data rates and modulation
	3700.0000 - 4200.0000 MHz		36M0G3W	Digital / Analog carrier : various FEC, data rates and modulation
	3700.0000 - 4200.0000 MHz		30K0G3W	Digital / Analog carriers : various FEC, data rates and modulation

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180522-00917 E E180492 Minnesota State Services f/t Blind
Registration 05/22/2018 - 05/22/2033
Grant of Authority Date Effective: 07/13/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 19383 County Road 33, Otter Tail, Fergus Falls, MN
46 ° 14 ' 42.90 " N LAT. 95 ° 58 ' 47.20 " W LONG.

ANTENNA ID:	3.8M.	3.8 meters	Prodelin	1380
	3700.0000 - 4200.0000 MHz		30K0G7W	digital data: various FEC, data rates and modulation
	3700.0000 - 4200.0000 MHz		36M0G7W	digital data: various FEC, data rates and modulation
	3700.0000 - 4200.0000 MHz		36M0F3W	Digital or Analog carriers : various FEC, data rates and modulation

3700.0000 - 4200.0000 MHz

30K0F3W

Digital / Analog carriers : various FEC, data rates and modulation

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180523-00929	E	E180504	The Confederated Tribes of the Warm Springs Reservation of Oregon	
Registration				05/23/2018 - 05/23/2033
Grant of Authority				Date Effective: 07/17/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 4174 BIA Hwy 3, Jefferson, Warm Springs, OR
 44 ° 46 ' 3.00 " N LAT. 121 ° 15 ' 21.50 " W LONG.

ANTENNA ID: 1 3.8 meters DH Satellite 3.8

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

3700.0000 - 4200.0000 MHz 30K0G7W digital data: various FEC, data rates and modulation

3700.0000 - 4200.0000 MHz 36M0F3W Digital / Analog carriers : various FEC, data rates and modulation

3700.0000 - 4200.0000 MHz 30K0F3W Digital / Analog carriers : various FEC, data rates and modulation

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180523-00941	E	E180513	KUPN Licensee, LLC	
Registration				05/23/2018 - 05/23/2033
Grant of Authority				Date Effective: 07/17/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 1500 Foremaster Lane, Clark, Las Vegas, NV
 36 ° 11 ' 7.00 " N LAT. 115 ° 7 ' 39.00 " W LONG.

ANTENNA ID: 1 4.5 meters Patriot 4.5M

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

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180524-00896 E E180474 G. O. Radio LTD.
Registration 05/24/2018 - 05/24/2033
Grant of Authority Date Effective: 07/17/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 1409 HWY 34 WEST, UNION, CRESTON, IA
41 ° 2 ' 13.80 " N LAT. 94 ° 23 ' 37.50 " W LONG.

ANTENNA ID: 1 3.7 meters DH (Dawnsat) D37F48-4PC-5.5
3700.0000 - 4200.0000 MHz 10M3G7W digital audio carrier

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180524-00949 E E180521 University of Southern California
Registration 05/24/2018 - 05/24/2033
Grant of Authority Date Effective: 07/17/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 1149 S Hill Street H-100, Los Angeles, Los Angeles, CA
34 ° 2 ' 21.30 " N LAT. 118 ° 15 ' 39.40 " W LONG.

ANTENNA ID: 1 3.8 meters Prodelin 1274-990
3700.0000 - 4200.0000 MHz 36M0G7W digital data: various FEC, data rates and modulation
3700.0000 - 4200.0000 MHz 30K0G7W digital data: various FEC, data rates and modulation
3700.0000 - 4200.0000 MHz 36M0G3W digital data: various FEC, data rates and modulation
3700.0000 - 4200.0000 MHz 30K0G3W digital data: various FEC, data rates and modulation

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180524-00955 E E180526 Foothills Radio Group, LLC
Registration 05/24/2018 - 05/24/2033
Grant of Authority Date Effective: 07/17/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 827 Fairview Dr SW, Caldwell, Lenoir, NC
35 ° 53 ' 33.48 " N LAT. 81 ° 33 ' 30.54 " W LONG.

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

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180525-00944 E E180516 SINCLAIR YAKIMA LICENSEE, LLC
Registration 05/24/2018 - 05/24/2033
Grant of Authority Date Effective: 07/17/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 2807 W. Lewis St., Franklin, Pasco, WA
46 ° 13 ' 59.00 " N LAT. 119 ° 7 ' 43.00 " W LONG.

ANTENNA ID: 1 3.8 meters Patriot Antenna Systems 380
3700.0000 - 4200.0000 MHz 36M0G7W digital data: various FEC, data rates and modulation

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180525-00945 E E180517 KEYE Licensee, LLC
Registration 05/24/2018 - 05/24/2033
Grant of Authority Date Effective: 07/17/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 10700 Metric Blvd., Travis, Austin, TX
30 ° 23 ' 4.00 " N LAT. 97 ° 42 ' 36.00 " W LONG.

ANTENNA ID: 1 7.3 meters Andrew Corporation 7.3M

3700.0000 - 4200.0000 MHz

36M0G7W

digital data: various FEC, data rates and modulation

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180525-00948 E E180520 SINCLAIR YAKIMA LICENSEE, LLC

Registration

05/24/2018 - 05/24/2033

Grant of Authority

Date Effective: 07/17/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 2801 Terrace Heights Drive, Yakima, Yakima, WA

46 ° 36 ' 26.00 " N LAT.

120 ° 27 ' 46.00 " W LONG.

ANTENNA ID: 1

7 meters

Scientific Atlanta

8010

3700.0000 - 4200.0000 MHz

36M0G7W

digital data: various FEC, data rates and modulation

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180525-00951 E E180523 Zimmer Radio, Inc.

Registration

05/25/2018 - 05/25/2033

Grant of Authority

Date Effective: 07/17/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 2702 East 32 Street, Jasper, Joplin, MO

37 ° 3 ' 15.00 " N LAT.

94 ° 28 ' 57.00 " W LONG.

ANTENNA ID: 1

3.8 meters

Prodelin

3.8M

3700.0000 - 4200.0000 MHz

36M0G7W

Digital traffic, various FEC, data rates and modulations

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180525-00953 E E180525 James River Broadcasting Company

Registration

05/25/2018 - 05/25/2033

Grant of Authority

Date Effective: 07/17/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 118 E Third St., Walworth, Mobridge, SD
45 ° 32 ' 9.04 " N LAT.

100 ° 25 ' 56.64 " W LONG.

ANTENNA ID: 1 3.7 meters DAWN Co #D37748-4PC

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital audio and video signals

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180525-00958 E WNWO Licensee, LLC

Registration

05/25/2018 - 05/25/2033

Grant of Authority

Date Effective: 07/17/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 833 N Cousino Rd., Lucas, Oregon, OH
41 ° 40 ' 3.80 " N LAT.

83 ° 21 ' 20.90 " W LONG.

ANTENNA ID: 1 7.3 meters Andrew Corporation ESA73-46

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

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180525-00959 E BROADCAST SOUTH, LLC

Registration

05/25/2018 - 05/25/2033

Grant of Authority

Date Effective: 07/17/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 601 Roanoke Drive, Coffee, Douglas, GA
31 ° 42 ' 22.30 " N LAT.

83 ° 15 ' 41.80 " W LONG.

ANTENNA ID: 1 3.7 meters DAWNco 3.7M

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

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180525-00960 E E180529 Robert Louis Stevenson School
Registration 05/25/2018 - 05/25/2033
Grant of Authority Date Effective: 07/17/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 3152 Forest Lake Road, Monterey, Pebble Beach, CA
36 ° 34 ' 48.00 " N LAT. 121 ° 57 ' 0.00 " W LONG.

ANTENNA ID:	1	5 meters	AFC	PR 16.4
	3700.0000 - 4200.0000 MHz		36M0G7W	digital data: various FEC, data rates and modulation
	3700.0000 - 4200.0000 MHz		30K0G7W	digital data: various FEC, data rates and modulation
	3700.0000 - 4200.0000 MHz		36M0G3W	digital data: various FEC, data rates and modulation
	3700.0000 - 4200.0000 MHz		30K0G3W	digital data: various FEC, data rates and modulation

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180525-00963 E James River Broadcasting Company
Registration 05/25/2018 - 05/25/2033
Grant of Authority Date Effective: 07/17/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 214 Pleasant Drive, Hughes, Pierre, SD
44 ° 22 ' 10.20 " N LAT. 100 ° 21 ' 15.20 " W LONG.

ANTENNA ID:	1	3.8 meters	Comtech	3.8 meter dual axis
	3700.0000 - 4200.0000 MHz		36M0G7W 0.00 dBW	Digital audio and video signals

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180530-00986 E E180551 Bonneville International Corporation
Registration 05/30/2018 - 05/30/2033
Grant of Authority Date Effective: 07/17/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 5 Triad Center, Salt Lake, Salt Lake City, UT
40 ° 46 ' 11.80 " N LAT. 111 ° 54 ' 5.80 " W LONG.

ANTENNA ID:	1	3.6 meters	Scientific Atlanta	8012
	3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW			Digital Data/Digital Audio/Digital Video
ANTENNA ID:	2	3 meters	DH Satellite	3.0
	3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW			Digital Data/Digital Audio/Digital Video
ANTENNA ID:	3	4.5 meters	ATCi	Simulsat 5B
	3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW			Digital Data/Digital Audio/Digital Video
ANTENNA ID:	4	3 meters	Scientific Atlanta	8006
	3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW			Digital Data/Digital Audio/Digital Video

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180530-00988 E E180553 Cowan Broadcasting LLC
Registration 05/30/2018 - 05/30/2033
Grant of Authority Date Effective: 07/17/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 30 SE Bridgeford Blvd, Deschutes, Bend, OR
44 ° 3 ' 2.00 " N LAT. 121 ° 17 ' 30.40 " W LONG.

ANTENNA ID:	1	3.8 meters	Comtech	3.8 meter
	3700.0000 - 4200.0000 MHz 36M0G7W			Digital Video Carrier

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180531-01031 E E180587 KSBJ EDUCATIONAL FOUNDATION
Registration 05/31/2018 - 05/31/2033
Grant of Authority Date Effective: 07/17/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 4739 Scenic View Dr., Grimes, Anderson, TX
30 ° 27 ' 58.00 " N LAT. 96 ° 2 ' 57.00 " W LONG.

ANTENNA ID: 1 3.8 meters Prodelin Corp 3.8M
3700.0000 - 4200.0000 MHz 36M0G7W Digital traffic, various FEC, data rates and modulations

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180531-01034 E E180590 KSLA License Subsidiary, LLC
Registration 05/31/2018 - 05/31/2033
Grant of Authority Date Effective: 07/17/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 1812 Fairfield Avenue, Caddo Parish, Shreveport, LA
32 ° 29 ' 38.20 " N LAT. 93 ° 45 ' 12.30 " W LONG.

ANTENNA ID: 1 7 meters Scientific-Atlanta 8028
3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180531-01036 E E180592 KOLD License Subsidiary, LLC
Registration 05/31/2018 - 05/31/2033
Grant of Authority Date Effective: 07/17/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 7831 N Business Park Drive, Tucson, AZ
32 ° 20 ' 54.70 " N LAT. 111 ° 5 ' 3.90 " W LONG.

ANTENNA ID: 1 7 meters Scientific-Atlanta 8010CM

3700.0000 - 4200.0000 MHz

36M0G7W

Digital Video Carrier

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180531-01037 E E180593 KFVS License Subsidiary, LLC

Registration

05/31/2018 - 05/31/2033

Grant of Authority

Date Effective: 07/17/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 765 Blackfoot Lane, Cape Girardeau, Cape Girardeau, MO

37 ° 25 ' 43.80 " N LAT.

89 ° 30 ' 13.60 " W LONG.

ANTENNA ID: 1

7 meters

Scientific-Atlanta

8010C

3700.0000 - 4200.0000 MHz

36M0G7W

Digital Video Carrier

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180531-01039 E E180595 CBS Communications Services Inc.

Registration

05/31/2018 - 05/31/2033

Grant of Authority

Date Effective: 07/17/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 2700 Northeast Expy. Building A, Fulton, Atlanta, GA

33 ° 51 ' 24.00 " N LAT.

84 ° 17 ' 45.00 " W LONG.

ANTENNA ID: 1

5 meters

Comtech

5-Meter PM

3700.0000 - 4200.0000 MHz

36M0G7W

0.00 dBW

Digital Audio, Video, Data

ANTENNA ID: 2

5 meters

DH Satellite

Gibraltar 5M

3700.0000 - 4200.0000 MHz

36M0G7W

0.00 dBW

Digital Audio, Video, Data

ANTENNA ID: 3

3.8 meters

Patriot Antenna Systems

PRT-380

3700.0000 - 4200.0000 MHz

36M0G7W

0.00 dBW

Digital Audio, Video, Data

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180531-01042 E E180596 CBS Communications Services Inc. 05/31/2018 - 05/31/2033
Registration Grant of Authority Date Effective: 07/17/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 90 South 11th St., Hennepin, Minneapolis, MN
44 ° 58 ' 23.30 " N LAT. 93 ° 16 ' 29.00 " W LONG.

ANTENNA ID:	1	3.8 meters	Comtech	934D0015-G1	
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW	Digital Audio, Video, Data
ANTENNA ID:	2	5 meters	AFC	PR-16	
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW	Digital Audio, Video, Data
ANTENNA ID:	3	4.5 meters	Andrew	ES45	
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW	Digital Audio, Video, Data

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180531-01045 E E180599 KSBJ EDUCATIONAL FOUNDATION 05/31/2018 - 05/31/2033
Registration Grant of Authority Date Effective: 07/17/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 9101 FM 2502, Washington, Brenham, TX
30 ° 3 ' 17.00 " N LAT. 96 ° 30 ' 26.00 " W LONG.

ANTENNA ID:	1	3.8 meters	Prodelin Corp	3.8M	
	3700.0000 - 4200.0000 MHz		36M0G7W		Digital traffic, various FEC, data rates and modulations

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180531-01046 E E180600 KSBJ EDUCATIONAL FOUNDATION 05/31/2018 - 05/31/2033
Registration Grant of Authority Date Effective: 07/17/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 26424 Sortes Road, Harris, Kingwood, TX
30 ° 3 ' 54.00 " N LAT.

95 ° 16 ' 10.00 " W LONG.

ANTENNA ID: 1 3.8 meters Prodelin Corp 3.8M

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

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180531-01048 E E180602 KHNL/KGMB License Subsidiary, LLC

Registration

05/31/2018 - 05/31/2033

Grant of Authority

Date Effective: 07/17/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: Palehua Ridge 9.7km WNW of Waipahu, Honolulu, Waipahu, HI
21 ° 23 ' 51.80 " N LAT.

158 ° 5 ' 59.80 " W LONG.

ANTENNA ID: 1 4.5 meters Scientific-Atlanta 8345

3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180531-01050 E E180604 KPLC License Subsidiary, LLC

Registration

05/31/2018 - 05/31/2033

Grant of Authority

Date Effective: 07/17/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 320 Division St, Lake Charles, LA
30 ° 13 ' 48.40 " N LAT.

92 ° 12 ' 56.20 " W LONG.

ANTENNA ID: 1 5.2 meters ATCi Simulsat 5B

3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180531-01051 E E180605 KCB D License Subsidiary, LLC
Registration 05/31/2018 - 05/31/2033
Grant of Authority Date Effective: 07/17/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 5600 Avenue A, Lubbock, Lubbock, TX
33 ° 32 ' 38.40 " N LAT. 101 ° 50 ' 9.40 " W LONG.

ANTENNA ID: 1 10 meters Scientific-Atlanta 10 meter
3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180601-00938 E E180512 Comcast Cable Communications Management, LLC
Registration 05/23/2018 - 05/23/2033
Grant of Authority Date Effective: 07/17/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 1 Comcast Drive, Indiana, Blairsville, PA
40 ° 26 ' 12.80 " N LAT. 79 ° 56 ' 55.00 " W LONG.

ANTENNA ID: 1 4.5 meters SSE 8346
3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

ANTENNA ID: 2 3.8 meters Patriot 380
3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

ANTENNA ID: 3 3.7 meters Prodelin 1374
3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180601-00942 E E180514 Comcast Cable Communications Management, LLC
Registration 05/24/2018 - 05/24/2033
Grant of Authority Date Effective: 07/17/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 102 Riverside Street, Campbell, Brookneal, VA
37 ° 2 ' 55.50 " N LAT.

78 ° 56 ' 6.30 " W LONG.

ANTENNA ID: 1 3.8 meters Patriot 3.8 meter
3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

ANTENNA ID: 2 3.8 meters Comtech 3.8 meter
3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180601-00947 E E180518 Comcast Cable Communications Management, LLC
Registration 05/26/2018 - 05/26/2033
Grant of Authority Date Effective: 07/17/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 9406 Sam Snead Hwy, Bath, Hot Springs, VA
38 ° 0 ' 50.40 " N LAT.

79 ° 48 ' 33.70 " W LONG.

ANTENNA ID: 1 3.8 meters Patriot 3.8 meter
3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180601-00961 E E180530 Comcast Cable Communications Management, LLC
Registration 05/25/2018 - 05/25/2033
Grant of Authority Date Effective: 07/17/2018

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: Crestmont Drive, Sullivan, Eagles Mere, PA
41 ° 24 ' 47.00 " N LAT. 76 ° 34 ' 27.40 " W LONG.

ANTENNA ID: 1 3.7 meters General Dynamics 1374
3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier
ANTENNA ID: 2 3.6 meters Orbitron SX12
3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier
ANTENNA ID: 3 3.8 meters Superior SSE-38
3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20090706-00834 E E890889 Time Warner Cable Southeast LLC
Renewal 09/15/2009 - 09/15/2024
Surrender of Authorization Date Effective: 07/11/2018

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

License surrendered by letter filed on July 11, 2018.

SITE ID: 1
LOCATION: HACKETT & N. MAIN ST., Halifax, Littleton, NC
36 ° 26 ' 13.00 " N LAT. 77 ° 54 ' 35.00 " W LONG.

ANTENNA ID: 1 3.7 meters PRODELIN INC 136-752-06
3700.0000 - 4200.0000 MHz 36MOF3F

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20180413-00351 E WK71 Comcast of Massachusetts/Virginia, Inc.
Renewal 04/15/2018 - 04/15/2033
Grant of Authority Date Effective: 07/11/2018

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: HENRICO, RICHMOND, VA
37 ° 36 ' 7.76 " N LAT. 77 ° 29 ' 24.18 " W LONG.

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

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20180522-00787 E E5674 Comcast of Connecticut/Georgia/Massachusetts/New Hampshire/New York/North
Renewal
Withdrawn Date Effective: 07/13/2018

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: GRAYSON, INDEPENDENCE, VA
36 ° 36 ' 20.00 " N LAT. 81 ° 8 ' 31.00 " W LONG.

ANTENNA ID: 1 5 meters ANTENNA FOR COMMUNICATIONS, PR-16.4-2
3700.0000 - 4200.0000 MHz 36000F9

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20180618-01647 E E030078 Entercom License, LLC
Renewal 07/18/2018 - 07/18/2033
Grant of Authority Date Effective: 07/12/2018

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: One Julian Price Place, Mechlenburg, Charlotte, NC
35 ° 13 ' 33.00 " N LAT. 80 ° 52 ' 20.00 " W LONG.

ANTENNA ID: 1 4.1 meters Comtech Offsat

5925.0000 - 6425.0000 MHz	235KG7W	60.90 dBW	QPSK digital, 1/2 FEC, 196 kbps, various information
5925.0000 - 6425.0000 MHz	154KG7W -	59.10 dBW	QPSK digital, 1/2 FEC, 128 Kbps, various information
3700.0000 - 4200.0000 MHz	235KG7W		QPSK digital, 1/2 FEC, 196 kbps, various information
3700.0000 - 4200.0000 MHz	154KG7W -		QPSK digital, 1/2 FEC, 128 Kbps, various information

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20180619-01550 E E030135 Deerfield Media (Rochester) Licensee, LLC
Renewal 07/23/2018 - 07/23/2033
Grant of Authority Date Effective: 07/11/2018

Class of Station: Temporary Fixed Earth Station

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1

LOCATION: 4225 W. HENRIETTA ROAD ROCHESTER, MONROE, NY, VARIOUS

ANTENNA ID: 1 1.2 meters AV1 1200-US-DSNG

14000.0000 - 14500.0000 MHz 24M0G7F 62.24 dBW PSK DIGITAL VIDEO WITH DIGITAL AUDIO/DATA

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20180622-01577 E E6078 WIS License Subsidiary, LLC
Renewal 08/12/2018 - 08/12/2033
Grant of Authority Date Effective: 07/13/2018

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1

LOCATION: KERSHAW, NR. COLUMBIA, SC
34 ° 7 ' 28.00 " N LAT. 80 ° 45 ' 24.00 " W LONG.

ANTENNA ID: 1 7 meters SCIENTIFIC ATLANTA 8010

3700.0000 - 4200.0000 MHz 36000F9

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20180622-01614 E E030088 ROME RESEARCH CORPORATION
Renewal 07/21/2018 - 07/21/2033
Grant of Authority Date Effective: 07/12/2018

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: NAVAL SAT. COMM. FACILITY, NW 5102 RELAY RD., BLDG. 352, CHESAPEAKE CITY, CHESAPEAKE, VA
36 ° 33 ' 34.70 " N LAT. 76 ° 16 ' 4.60 " W LONG.

ANTENNA ID:	KU-BAND	9 meters	VERTEX	9 KPK	
	14000.0000 - 14500.0000 MHz		210KG1D	63.30 dBW	DIGITAL DATA CARRIER
	14000.0000 - 14500.0000 MHz		35M5G1D	84.57 dBW	DIGITAL DATA CARRIER
	11450.0000 - 12200.0000 MHz		210KG1D		DIGITAL DATA CARRIER
	11450.0000 - 12200.0000 MHz		35M5G1D		DIGITAL DATA CARRIER
	10950.0000 - 11200.0000 MHz		210KG1D		DIGITAL DATA CARRIER
	10950.0000 - 11200.0000 MHz		35M5G1D		DIGITAL DATA CARRIER

ANTENNA ID:	C-BAND	16.4 meters	VERTEX	16.4 KPC	
	6332.0000 - 6425.0000 MHz		210KG1D	73.50 dBW	DIGITAL DATA CARRIER
	6332.0000 - 6425.0000 MHz		35M5G1D	87.40 dBW	DIGITAL DATA CARRIER
	6080.0000 - 6299.0000 MHz		210KG1D	73.50 dBW	DIGITAL DATA CARRIER
	6080.0000 - 6299.0000 MHz		35M5G1D	87.40 dBW	DIGITAL DATA CARRIER
	5925.0000 - 6047.0000 MHz		210KG1D	73.50 dBW	DIGITAL DATA CARRIER
	5925.0000 - 6047.0000 MHz		35M5G1D	87.40 dBW	DIGITAL DATA CARRIER
	3700.0000 - 4200.0000 MHz		210KG1D		DIGITAL DATA CARRIER
	3700.0000 - 4200.0000 MHz		35M5G1D		DIGITAL DATA CARRIER

Points of Communication:

1 - INTELSAT 903 (S2407) - (31.5 W.L.)

1 - PERMITTED LIST - ()

SES-RWL-20180622-01617 E E930350 WWL-TV, Inc.
Renewal 08/13/2018 - 08/13/2033
Grant of Authority Date Effective: 07/12/2018

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: 1024 NORTH RAMPART STREET, NEW ORLEANS, LA
29 ° 57 ' 46.00 " N LAT. 90 ° 3 ' 56.00 " W LONG.

SES-RWL-20180709-01781 E E6017 Cox Communications Gulf Coast, LLC
Renewal 07/22/2018 - 07/22/2033
Grant of Authority Date Effective: 07/17/2018

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: OKALOOSA, WRIGHT, FL
30 ° 26 ' 41.00 " N LAT. 86 ° 38 ' 27.00 " W LONG.

ANTENNA ID: 1 5 meters HARRIS 5243

3700.0000 - 4200.0000 MHz 36000F9

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20180712-01683 E E930368 Comcast Cable Communications Management, LLC
Renewal 08/27/2018 - 08/27/2033
Grant of Authority Date Effective: 07/17/2018

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: 4100 E. DRY CREEK RD (S. SUBURBAN #3), ARAPAHOE, LITTLETON, CO
39 ° 34 ' 45.00 " N LAT. 104 ° 56 ' 17.00 " W LONG.

ANTENNA ID: 1 9 meters VERTEX COMM. 9 KPK

14000.0000 - 14500.0000 MHz 36M0F1W 91.40 dBW

14000.0000 - 14500.0000 MHz 36M0F2W 91.40 dBW

14000.0000 - 14500.0000 MHz 36M0F3W 91.40 dBW

14000.0000 - 14500.0000 MHz 36M0F7W 91.40 dBW

14000.0000 - 14500.0000 MHz 36M0F8W 91.40 dBW

14000.0000 - 14500.0000 MHz 36M0F9W 91.40 dBW

14000.0000 - 14500.0000 MHz 36M0FXW 91.40 dBW

14000.0000 - 14500.0000 MHz 36M0G1W 91.40 dBW

14000.0000 - 14500.0000 MHz 36M0G2W 91.40 dBW

14000.0000 - 14500.0000 MHz 36M0G3W 91.40 dBW

14000.0000 - 14500.0000 MHz	36M0G7W	91.40 dBW
14000.0000 - 14500.0000 MHz	36M0G8W	91.40 dBW
14000.0000 - 14500.0000 MHz	36M0G9W	91.40 dBW
14000.0000 - 14500.0000 MHz	36M0GXW	91.40 dBW

Points of Communication:

1 - PERMITTED LIST - ()

SES-STA-20180312-00206 E RBC Signals, LLC
Special Temporary Authority
Grant of Authority Date Effective: 07/12/2018

Class of Station:

On July, 12, 2018, RBC Signals LLC was granted special temporary authority for 60 days, beginning July 13, 2018, to perform telemetry, tracking and command (TT&C) services for housekeeping, orientation and subsystem control of the Analytical Space, Inc.'s (ASI) Radix experimental CubeSat operating in a 400 km x 400km sun-synchronous orbit with an inclination of approximately 51.6° in the 401.24-401.36 MHz (Earth-to-space/space-to-Earth) frequency band from a fixed earth station in Fairbanks, AK.

Points of Communication:

SES-STA-20180525-00815 E E170122 Intelsat License LLC
Special Temporary Authority
Grant of Authority Date Effective: 07/11/2018

Class of Station:

On July 11, 2018, Intelsat License LLC was granted special temporary authority for 180 days, beginning July 11, 2018, to operate its fixed earth station in Ellenwood, GA to provide launch and early orbit phase (LEOP) services for the SES-12 satellite licensed by the Netherlands. The LEOP services will be perform on the following center frequencies: 13998.0 MHz, 13996.5 MHz, 13999.5 MHz, 14494.5 MHz, 14496.0 MHz, 14497.5 MHz, and 14499.0 MHz (Earth-to-space); and 11499.5 MHz and 11703.5 MHz (space-to-Earth).

Points of Communication:

SES-STA-20180626-01522 E E170121 Intelsat License LLC
Special Temporary Authority
Grant of Authority Date Effective: 07/12/2018

Class of Station:

On July 12, 2018, Intelsat License, LLC, was granted special temporary authority for 30 days, beginning July 12, 2018, to operate a vehicle-mounted 18-inch Rantec Airborne SATCOM terminal to communicate with the Intelsat 29e (S2913) satellite at the 50° W.L. orbital location while the vehicle is in motion in Maryland, Virginia, North Carolina, South Carolina, Georgia, and Florida. All testing will occur in the 14.0-14.5 GHz (Earth-to-space) and 11.7-12.2 GHz (space-to-Earth) frequency bands.

Points of Communication:

SES-STA-20180705-01618 E KL92 Intelsat License LLC
Special Temporary Authority
Grant of Authority Date Effective: 07/11/2018

Class of Station:

On July 11, 2018, Intelsat License LLC was granted special temporary authority for 30 days, beginning July 11, 2018, to operate its fixed earth station in Castle Rock, CO to provide telemetry, tracking and command (TT&C) services for the Intelsat 16 (S2750) satellite while on-station at 76.2° W.L., to continue assisting customers in responding to the damage caused by Hurricane Maria to the communications networks in Puerto Rico. All operations will be performed on the following center frequencies: 12198.25 MHz, 12198.75 MHz (space-to-Earth), and 13997.5 MHz, 14499.5 MHz (Earth-to-space).

Points of Communication:

SURRENDER

SES-MOD-20151009-00724	E000285	Comsat, Inc.
License surrendered by letter filed on July 10, 2018.		
SES-MOD-20151009-00751	E000280	Comsat, Inc.
License surrendered by letter filed on July 10, 2018.		
SES-MOD-20151009-00752	E000282	Comsat, Inc.
License surrendered by letter filed on July 10, 2018.		
SES-MOD-20151009-00753	E000283	Comsat, Inc.
License surrendered by letter filed on July 10, 2018.		
SES-REG-20040414-00551	E040177	The Helicon Group, L.P.
License surrendered by letter filed on July 11, 2018.		
SES-REG-20051020-01430	E050294	Charter Communications, LLC
License surrendered by letter filed on July 11, 2018.		
SES-REG-20110224-00196	E110021	Renaissance Media LLC
License surrendered by letter filed on July 11, 2018.		
SES-REG-20110224-00197	E110022	Renaissance Media LLC
License surrendered by letter filed on July 11, 2018.		
SES-REG-20110427-00510	E110071	Charter Communications, LLC
License surrendered by letter filed on July 11, 2018.		
SES-REG-20110427-00517	E110074	Charter Communications, LLC
License surrendered by letter filed on July 11, 2018.		
SES-REG-20110428-00522	E110076	Charter Communications, LLC
License surrendered by letter filed on July 11, 2018.		
SES-REG-20110428-00523	E110077	Charter Communications, LLC
License surrendered by letter filed on July 11, 2018.		
SES-RWL-20030724-01025	KH85	Bresnan Communications, LLC
License surrendered by letter filed on July 10, 2018.		
SES-RWL-20031007-01378	E940159	Charter Communications, LLC
License surrendered by letter filed on July 11, 2018.		
SES-RWL-20040114-00037	E6756	Time Warner Cable Pacific West LLC
License surrendered by letter filed on July 11, 2018.		
SES-RWL-20040430-00620	E7385	Charter Communications, LLC
License surrendered by letter filed on July 11, 2018.		
SES-RWL-20040501-00623	E940402	Marcus Cable Associates, L.L.C.
License surrendered by letter filed on July 11, 2018.		
SES-RWL-20040501-00626	E940409	Marcus Cable Associates, L.L.C.
License surrendered by letter filed on July 11, 2018.		
SES-RWL-20040916-01395	E940490	Time Warner Cable Northeast LLC
License surrendered by letter filed on July 11, 2018.		
SES-RWL-20051212-01727	E960183	Charter Communications, LLC
License surrendered by letter filed on July 11, 2018.		
SES-RWL-20060627-01079	E860969	Time Warner Cable Northeast LLC
License surrendered by letter filed on July 11, 2018.		

SURRENDER

SES-RWL-20090910-01150	E890917	Robin Media Group, LLC
License surrendered by letter filed on July 11, 2018.		
SES-RWL-20091124-01496	WQ80	Time Warner Cable Northeast LLC
License surrendered by letter filed on July 11, 2018.		
SES-RWL-20100112-00062	WZ93	The Helicon Group, L.P.
License surrendered by letter filed on July 11, 2018.		
SES-RWL-20100223-00247	WD41	Time Warner Cable Southeast LLC
License surrendered by letter filed on July 11, 2018.		
SES-RWL-20100223-00252	E2018	Time Warner Cable Midwest LLC
License surrendered by letter filed on July 11, 2018.		
SES-RWL-20100823-01071	WE97	Time Warner Cable Southeast LLC
License surrendered by letter filed on July 11, 2018.		
SES-RWL-20100908-01146	WE80	Charter Communications, LLC
License surrendered by letter filed on July 11, 2018.		
SES-RWL-20101220-01575	WG32	Time Warner Cable Southeast LLC
License surrendered by letter filed on July 11, 2018.		
SES-RWL-20110516-00584	E3015	Time Warner Cable Pacific West LLC
License surrendered by letter filed on July 11, 2018.		
SES-RWL-20110606-00657	E3518	Charter Communications, LLC
License surrendered by letter filed on July 11, 2018.		
SES-RWL-20110621-00727	E3293	Time Warner Cable Pacific West LLC
License surrendered by letter filed on July 11, 2018.		
SES-RWL-20120223-00209	KP72	Time Warner Cable Pacific West LLC
License surrendered by letter filed on July 11, 2018.		
SES-RWL-20170830-00962	WT85	Time Warner Cable Northeast LLC
License surrendered by letter filed on July 11, 2018.		
SES-RWL-20170831-00969	E020285	Marcus Cable Associates, L.L.C.
License surrendered by letter filed on July 11, 2018.		

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