



PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION
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Report No. SES-01952

Wednesday May 3, 2017

Satellite Communications Services re: Satellite Radio Applications Accepted For Filing

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

SES-AMD-20170411-00391 E E980214 Production & Satellite Services, Inc.

Amendment

Class of Station: Temporary Fixed Earth Station

Nature of Service: Fixed Satellite Service

See IBFS File No. SES-MOD-20170317-00303 for description of application.

SITE ID: 1

LOCATION: 4415 WAGON TRAIL AVE., VARIOUS

ANTENNA ID:	1	2.4 meters	AVL TECHNOLOGIES INC.	2400C
	5925.0000 - 6425.0000 MHz	4M00G7F	58.99 dBW	DIGITAL TV WITH ASSOCIATED AUDIO
	5925.0000 - 6425.0000 MHz	36M0G7F	66.94 dBW	DIGITAL TV WITH ASSOCIATED AUDIO
	3700.0000 - 4200.0000 MHz	4M00G7F		DIGITAL TV WITH ASSOCIATED AUDIO
	3700.0000 - 4200.0000 MHz	36M0G7F		DIGITAL TV WITH ASSOCIATED AUDIO

Points of Communication:

1 - PERMITTED LIST - ()

SES-AMD-20170414-00395 E E080100 Row 44 Inc.

Amendment

Class of Station: Other

Nature of Service: Fixed Satellite Service

See IBFS File No. SES-MFS-20170221-00188 for a description of application.

SITE ID: Remotes1

LOCATION: Operate up to 1000 ESAA terminals (.6 m) CONUS, TERR., INTERNATIONAL WATERS

ANTENNA ID:	Remotes1	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: Remotes2

LOCATION: Operate up to 1000 ESAA terminals (.62m) CONUS, TERR., INTERNATIONAL WATERS

ANTENNA ID:	Remotes2	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
SITE ID: Remotes3			
LOCATION: Operate up to 1000 ESAA terminals (.63m) CONUS, TERR., INTERNATIONAL WATERS			
ANTENNA ID: Remotes3	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

Points of Communication:

- Remotes1 - AMC 9 (S2434) - (83 W.L.)
- Remotes1 - HORIZONS 1 - (127 WL)
- Remotes1 - SES-1 - (101.0 W.L.)
- Remotes2 - AMC 2 - (84.85)
- Remotes2 - AMC 9 (S2434) - (83 W.L.)
- Remotes2 - AMC-1(S2445) - (129.15)
- Remotes2 - AMC-3 - (72 W.L.)
- Remotes2 - E117 WA (S2873) - (116.8 W.L.)
- Remotes2 - ESTRELA DO SUL 2 - (63 W.L.)
- Remotes2 - EUTELSAT115WA(S2589) - (114.9 W.L.)
- Remotes2 - EUTELSAT115WB(S2938) - (114.9 W.L.)
- Remotes2 - HORIZONS 1 - (127 WL)
- Remotes2 - INTELSAT 19 (S2850) - (166.0 E.L.)
- Remotes2 - INTELSAT 29e (S2913) - (50.0 W.L.)
- Remotes2 - SES-1 - (101.0 W.L.)

Remotes2 - SES-10 (S2950) - (69.9 W.L.)

Remotes2 - SES-6 (S2870) - (40.5 W.L.)

Remotes2 - TELSTAR 11N (S2357) - (37.5 W.L.)

Remotes3 - AMC 2 - (84.85)

Remotes3 - AMC 9 (S2434) - (83 W.L.)

Remotes3 - AMC-1(S2445) - (129.15)

Remotes3 - AMC-3 - (72 W.L.)

Remotes3 - EUTELSAT115WB(S2938) - (114.9 W.L.)

Remotes3 - INTELSAT 29e (S2913) - (50.0 W.L.)

Remotes3 - SES-1 - (101.0 W.L.)

Remotes3 - SES-10 (S2950) - (69.9 W.L.)

SES-LIC-20170315-00273 E E170084 Intelsat License LLC

Application for Authority

Class of Station: Temporary Fixed Earth Station

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 220 Community Drive, Nassau, Manhasset, NY

40 ° 46 ' 40.00 " N LAT.

73 ° 42 ' 3.00 " W LONG.

ANTENNA ID:	1	3.9 meters	Andrew	ESA39AA-1
	5925.0000 - 6329.0000 MHz	1M84G7W	60.70 dBW	Digital Data
	6362.0000 - 6425.0000 MHz	1M84G7W	60.70 dBW	Digital Data
	3700.0000 - 4200.0000 MHz	1M84G7W		Digital Data

Points of Communication:

1 - INTEL 907 (S2411) - (27.5 W.L.)

1 - PERMITTED LIST - ()

SES-LIC-20170401-00357 E E170088 ViaSat, Inc.

Application for Authority

Class of Station: Other

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION:

ANTENNA ID:	1	0.745 meters	ViaSat	RA40750-AB
	28350.0000 - 29100.0000 MHz	320MG7D	57.88 dBW	320 MBd, Digital Carrier
	28350.0000 - 29100.0000 MHz	160MG7D	57.88 dBW	160 MBd, Digital Carrier
	28350.0000 - 29100.0000 MHz	80M0G7D	57.88 dBW	80 MBd, Digital Carrier
	28350.0000 - 29100.0000 MHz	40M0G7D	57.88 dBW	40 MBd, Digital Carrier
	28350.0000 - 29100.0000 MHz	20M0G7D	57.88 dBW	20 MBd, Digital Carrier
	28350.0000 - 29100.0000 MHz	10M0G7D	56.40 dBW	10 MBd, Digital Carrier
	28350.0000 - 29100.0000 MHz	5M00G7D	53.40 dBW	5 MBd, Digital Carrier
	29500.0000 - 30000.0000 MHz	320MG7D	58.48 dBW	320 MBd, Digital Carrier
	29500.0000 - 30000.0000 MHz	160MG7D	58.48 dBW	160 MBd, Digital Carrier
	29500.0000 - 30000.0000 MHz	80M0G7D	58.48 dBW	80 MBd, Digital Carrier
	29500.0000 - 30000.0000 MHz	40M0G7D	58.48 dBW	40 MBd, Digital Carrier
	29500.0000 - 30000.0000 MHz	20M0G7D	58.48 dBW	20 MBd, Digital Carrier
	29500.0000 - 30000.0000 MHz	10M0G7D	58.48 dBW	10 MBd, Digital Carrier
	29500.0000 - 30000.0000 MHz	5M00G7D	57.56 dBW	5 MBd, Digital Carrier
	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 Data
	19700.0000 - 20200.0000 MHz	417MG7D		416.6 MBd M-ary PSK Digital Data
ANTENNA ID:	2	1.8 meters	General Dynamics	3180
	19700.0000 - 20200.0000 MHz	417MG7D		416.6 MBd M-ary PSK Digital Data
	17700.0000 - 18300.0000 MHz	500MG7D		500 MBd M-ary PSK Digital Data
	17800.0000 - 19300.0000 MHz	417MG7D		416.6 MBd M-ary PSK Digital Data
	28350.0000 - 29100.0000 MHz	5M00G7D	65.24 dBW	5 MBd, Digital Carrier
	28350.0000 - 29100.0000 MHz	10M0G7D	67.04 dBW	10 MBd, Digital Carrier
	28350.0000 - 29100.0000 MHz	20M0G7D	67.04 dBW	20 MBd, Digital Carrier
	28350.0000 - 29100.0000 MHz	40M0G7D	67.04 dBW	40 MBd, Digital Carrier

28350.0000 - 29100.0000 MHz	80M0G7D	67.04 dBW	80 MBd, Digital Carrier
28350.0000 - 29100.0000 MHz	160MG7D	67.04 dBW	160 MBd, Digital Carrier
28350.0000 - 29100.0000 MHz	320MG7D	67.04 dBW	320 MBd, Digital Carrier
29500.0000 - 30000.0000 MHz	5M00G7D	65.27 dBW	5 MBd, Digital Carrier
29500.0000 - 30000.0000 MHz	10M0G7D	67.42 dBW	10 MBd, Digital Carrier
29500.0000 - 30000.0000 MHz	20M0G7D	67.42 dBW	20 MBd, Digital Carrier
29500.0000 - 30000.0000 MHz	40M0G7D	67.42 dBW	40 MBd, Digital Carrier
29500.0000 - 30000.0000 MHz	80M0G7D	67.42 dBW	80 MBd, Digital Carrier
29500.0000 - 30000.0000 MHz	160MG7D	67.42 dBW	160 MBd, Digital Carrier
29500.0000 - 30000.0000 MHz	320MG7D	67.42 dBW	320 MBd, Digital Carrier

Points of Communication:

- 1 - ANIK-F2 (S2742) - (111.1 W.L.)
- 1 - GALAXY 28 (S2160) - (89.0 W.L.)
- 1 - VIASAT-1 (S2747) - (115.1W.L.)
- 1 - VIASAT-2 (S2902) - (69.9 W.L.)
- 1 - WILDBLUE 1(S2355) - (111.1 W.L.)

SES-LIC-20170407-00375 E E170090 SES Americom, Inc.

Application for Authority

Class of Station: Fixed Earth Stations

Nature of Service: Direct to Home Fixed Satellite, Fixed Satellite Service

SITE ID: 1

LOCATION: 5990 Solano Verde Dr, Ventura, Somis, CA

34 ° 19 ' 31.20 " N LAT.

118 ° 59 ' 43.60 " W LONG.

ANTENNA ID: 1 9 meters GD Satcom 904106-2421

10950.0000 - 11200.0000 MHz	100KG7W	0.00 dBW	Digital data
10950.0000 - 11200.0000 MHz	54M0G7W	0.00 dBW	Digital data
11450.0000 - 11700.0000 MHz	100KG7W	0.00 dBW	Digital data
11450.0000 - 11700.0000 MHz	54M0G7W	0.00 dBW	Digital data

11700.0000 - 12200.0000 MHz	100KG7W	0.00 dBW	Digital data
11700.0000 - 12200.0000 MHz	54M0G7W	0.00 dBW	Digital data
13750.0000 - 14000.0000 MHz	2M83G7W	68.00 dBW	Digital data
13750.0000 - 14000.0000 MHz	54M0G7W	80.80 dBW	Digital data
14000.0000 - 14500.0000 MHz	100KG7W	60.10 dBW	Digital data
14000.0000 - 14500.0000 MHz	54M0G7W	87.10 dBW	Digital data
17300.0000 - 17550.0000 MHz	100KG7W	58.38 dBW	Digital data
17300.0000 - 17550.0000 MHz	36M0G7W	83.82 dBW	Digital data
14000.0000 - 14500.0000 MHz	N0N	52.10 dBW	Analog CW carrier
14000.0000 - 14500.0000 MHz	800KF9W	75.10 dBW	Analog command carrier
17300.0000 - 17550.0000 MHz	N0N	44.38 dBW	Unmodulated analog carrier

Points of Communication:

1 - PERMITTED LIST - ()

1 - SES-10 (S2950) - (69.9 W.L.)

SES-LIC-20170419-00420 E E170096 Intelsat License LLC

Application for Authority

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 17625 Technology Blvd. Washington MTN-K81, Washington, Hagerstown, MD
 39 ° 35 ' 54.32 " N LAT. 77 ° 45 ' 20.35 " W LONG.

ANTENNA ID: K81 9 meters General Dynamics K90KPFRL1

11450.0000 - 11700.0000 MHz	64M0G7W		Digital Data
11450.0000 - 11700.0000 MHz	36M0G7W		Digital Data
10950.0000 - 11200.0000 MHz	64M0G7W		Digital Data
10950.0000 - 11200.0000 MHz	36M0G7W		Digital Data
13750.0000 - 14500.0000 MHz	64M0G7W	81.00 dBW	Digital Data
13750.0000 - 14500.0000 MHz	36M0G7W	78.50 dBW	Digital Data

Points of Communication:

1 - INTELSAT 35e(S2959) - (34.5 W.L.)

1 - PERMITTED LIST - ()

SES-LIC-20170420-00456 E E170097 North Slope Borough

Application for Authority

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 1068 Kiogak Street, North Slope Borough, Barrow, AK

71 ° 17 ' 30.10 " N LAT.

156 ° 47 ' 15.70 " W LONG.

ANTENNA ID:	3.8M.	3.8 meters	General Dynamics	1385	
	3700.0000 - 4200.0000 MHz		240KG7W	Digital Data Carrier	
	3700.0000 - 4200.0000 MHz		680KG7W	Digital Data Carrier	
	5925.0000 - 6425.0000 MHz		240KG7W	47.18 dBW	Digital Data Carrier
	5925.0000 - 6425.0000 MHz		680KG7W	51.70 dBW	Digital Data Carrier

Points of Communication:

1 - EUTELSAT115WB(S2938) - (114.9 W.L.)

1 - PERMITTED LIST - ()

SES-LIC-20170426-00463 E E170098 DIRECTV Enterprises, LLC

Application for Authority

Class of Station: Fixed Earth Stations

Nature of Service: Direct to Home Fixed Satellite, Fixed Satellite Service

SITE ID: 1

LOCATION: 4901 Ashe Road, Kern, Bakersfield, CA

35 ° 18 ' 34.50 " N LAT.

119 ° 4 ' 34.10 " W LONG.

ANTENNA ID:	1	13.2 meters	General Dynamics	GD-13.2m	
	29250.0000 - 30000.0000 MHz		36M0G7W	80.00 dBW	PSK MOD Digital Video/Audio
	28350.0000 - 28600.0000 MHz		36M0G7W	80.00 dBW	PSK MOD Digital Video/Audio
	19700.0000 - 20200.0000 MHz		36M0G7W	0.00 dBW	PSK MOD Digital Video/Audio
	18300.0000 - 18800.0000 MHz		36M0G7W	0.00 dBW	PSK MOD Digital Video/Audio

ANTENNA ID:	2	13.2 meters	General Dynamics	GD-13.2m
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29250.0000 - 30000.0000 MHz	36M0G7W	80.00 dBW	PSK MOD Digital Video/Audio
28350.0000 - 28600.0000 MHz	36M0G7W	80.00 dBW	PSK MOD Digital Video/Audio
19700.0000 - 20200.0000 MHz	36M0G7W	0.00 dBW	PSK MOD Digital Video/Audio
18300.0000 - 18800.0000 MHz	36M0G7W	0.00 dBW	PSK MOD Digital Video/Audio

ANTENNA ID: 3 13.2 meters General Dynamics GD-13.2m

29250.0000 - 30000.0000 MHz	36M0G7W	80.00 dBW	PSK MOD Digital Video/Audio
28350.0000 - 28600.0000 MHz	36M0G7W	80.00 dBW	PSK MOD Digital Video/Audio
19700.0000 - 20200.0000 MHz	36M0G7W	0.00 dBW	PSK MOD Digital Video/Audio
18300.0000 - 18800.0000 MHz	36M0G7W	0.00 dBW	PSK MOD Digital Video/Audio

Points of Communication:

1 - PERMITTED LIST - ()

SES-MFS-20170221-00188 E E080100 Row 44 Inc.

Modification

Class of Station: Other

Nature of Service: Fixed Satellite Service, Other

This application was amended by IBFS File No. SES-AMD-20170414-00395 to add the SES-10 satellite at the 69.9° W.L. orbital location as a new point of communication for Antenna IDs "Remote 2" and "Remote 3".

SITE ID: Remotes1

LOCATION: Operate up to 1000 ESAA terminals (.6 m) CONUS, TERR., INTERNATIONAL WATERS

ANTENNA ID: Remotes1 0.6 meters AeroSat Avionics 70-100-0000-01

11700.0000 - 12200.0000 MHz	36M0G7D	0.00 dBW	QPSK OR OCTAL PSK
14050.0000 - 14470.0000 MHz	1M60G7D	38.60 dBW	QPSK OR OCTAL PSK

SITE ID: Remotes2

LOCATION: Operate up to 1000 ESAA terminals (.62m) CONUS, TERR., INTERNATIONAL WATERS

ANTENNA ID: Remotes2 0.62 meters TECOM Ku-Stream

14050.0000 - 14470.0000 MHz	1M60G7D	41.30 dBW	QPSK OR OCTAL PSK
11450.0000 - 12200.0000 MHz	36M0G7D		QPSK OR OCTAL PSK
12250.0000 - 12750.0000 MHz	36M0G7D		QPSK OR OCTAL PSK
14050.0000 - 14470.0000 MHz	6M40G7D	43.80 dBW	QPSK OR OCTAL PSK

14050.0000 - 14470.0000 MHz	1M60G7D	38.80 dBW	QPSK OR OCTAL PSK
14050.0000 - 14470.0000 MHz	3M20G7D	43.80 dBW	QPSK OR OCTAL PSK
10950.0000 - 11200.0000 MHz	36M0G7D		QPSK OR OCTAL PSK
14050.0000 - 14470.0000 MHz	3M20G7D	41.80 dBW	QPSK OR OCTAL PSK
14050.0000 - 14470.0000 MHz	1M60G7D	36.00 dBW	QPSK OR OCTAL PSK
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
10950.0000 - 11200.0000 MHz	36M0G7D		QPSK OR OCTAL PSK
11200.0000 - 11450.0000 MHz	36M0G7D		QPSK OR OCTAL PSK

SITE ID: Remotes3

LOCATION: Operate up to 1000 ESAA terminals (.63m) CONUS, TERR., INTERNATIONAL WATERS

ANTENNA ID:	Remotes3	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	

Points of Communication:

Remotes1 - AMC 9 (S2434) - (83 W.L.)

Remotes1 - HORIZONS 1 - (127 WL)

Remotes1 - SES-1 - (101.0 W.L.)

Remotes2 - AMC 2 - (84.85)
Remotes2 - AMC 9 (S2434) - (83 W.L.)
Remotes2 - AMC-1(S2445) - (129.15)
Remotes2 - AMC-3 - (72 W.L.)
Remotes2 - E117 WA (S2873) - (116.8 W.L.)
Remotes2 - ESTRELA DO SUL 2 - (63 W.L.)
Remotes2 - EUTELSAT115WA(S2589) - (114.9 W.L.)
Remotes2 - EUTELSAT115WB(S2938) - (114.9 W.L.)
Remotes2 - HORIZONS 1 - (127 WL)
Remotes2 - INTELSAT 19 (S2850) - (166.0 E.L.)
Remotes2 - INTELSAT 29e (S2913) - (50.0 W.L.)
Remotes2 - SES-1 - (101.0 W.L.)
Remotes2 - SES-10 (S2950) - (69.9 W.L.)
Remotes2 - SES-6 (S2870) - (40.5 W.L.)
Remotes2 - TELSTAR 11N (S2357) - (37.5 W.L.)
Remotes3 - AMC 2 - (84.85)
Remotes3 - AMC 9 (S2434) - (83 W.L.)
Remotes3 - AMC-1(S2445) - (129.15)
Remotes3 - AMC-3 - (72 W.L.)
Remotes3 - EUTELSAT115WB(S2938) - (114.9 W.L.)
Remotes3 - INTELSAT 29e (S2913) - (50.0 W.L.)
Remotes3 - SES-1 - (101.0 W.L.)
Remotes3 - SES-10 (S2950) - (69.9 W.L.)

SES-MFS-20170312-00255 E E100089 Panasonic Avionics Corporation

Modification

Class of Station: Other

Nature of Service: Earth Station Aboard Aircraft, Fixed Satellite Service, Other

Panasonic Avionics Corporation (Panasonic) requests modification of its earth station aboard aircraft (ESAA) license to add three points of communication for the Panasonic Phased Array (Antenna ID "PPA") antennas and four points of communication for the Single-Panel Antenna (Antenna ID "SPA") antennas. Specifically, Panasonic seeks to add: (1) AsiaSat-7 at 105.5° E.L., in the 12.5-12.75 GHz (space-to-Earth) and 14.0-4.5 GHz (Earth-to-space) frequency bands, (2) IS-33 at 60.0° E.L., in the 10.95-11.2 GHz, 11.45-12.2 GHz, and 12.5-12.6 GHz (space-to-Earth) and 14.0-4.5 GHz (Earth-to-space) frequency bands, and (3) JCSAT-2B at 154° E.L., in the 11.45-11.7 GHz (space-to-Earth) and 14.0-4.5 GHz (Earth-to-space) frequency bands, as authorized points of communication for both the PPA and SPA antennas. Panasonic requests waiver of the U.S. Table of Allocations to allow operations with IS-33 in the 12.5-12.6 GHz (space-to-Earth) frequency band and AsiaSat-7 in the 12.5-12.75 GHz (space-to-Earth) frequency band on a non-interference basis. Panasonic also requests the addition of Galaxy 16 at 99.0° W.L. in the 11.7-12.2 GHz (space-to-Earth) and 14.0-4.5 GHz (Earth-to-space) frequency bands as an authorized point of communication for the SPA antennas. Panasonic also requests to add 1,000 TECOM Ku-Stream 1000 antennas, which have been previously authorized by the Commission, for operation with Permitted List satellites and other U.S.-serving satellites currently authorized in Panasonic's blanket license, pursuant to Section 25.227(a) (12) of the Commission's rules, in permissible portions of the 14.0-14.5 GHz band consistent with the uplink off-axis ESD limits, and in the 10.95-11.2 GHz and 11.45-12.2 GHz downlink bands. Finally, Panasonic requests removal of the Anik-F1, Amazonas-2, Galaxy 17, and SES-6 as points of communication with PPA terminals under its current license, and to update the frequency coordination, power level and certain emission designators associated with its ESAA terminal operations. Panasonic also seeks to remove the following MELCO satellite points of communication from its license: Galaxy 16, Galaxy 17, SES-6, AMC-16, Eutelsat 115WB, and IS-29E.

SITE ID: MELCO Remotes

LOCATION: Operate up to 50 ESAA stations (0.68 m) US&P and over International waters

ANTENNA ID:	MELCO	0.68 meters	Mitsubishi Electronics	726-20176-101
	14000.0000 - 14400.0000 MHz	9M00G7D	45.25 dBW	BPSK, QPSK DIGITAL DATA
	14000.0000 - 14400.0000 MHz	500KG7D	32.70 dBW	BPSK, QPSK DIGITAL DATA
	10950.0000 - 11200.0000 MHz	1M20G7D		BPSK, QPSK DIGITAL DATA
	10950.0000 - 11200.0000 MHz	27M0G7D		BPSK, QPSK DIGITAL DATA
	10950.0000 - 11200.0000 MHz	54M0G7D		BPSK, QPSK DIGITAL DATA
	11450.0000 - 12200.0000 MHz	1M20G7D		BPSK, QPSK DIGITAL DATA
	11450.0000 - 12200.0000 MHz	27M0G7D		BPSK, QPSK DIGITAL DATA
	11450.0000 - 12200.0000 MHz	54M0G7D		BPSK, QPSK DIGITAL DATA
	11700.0000 - 12200.0000 MHz	1M20G7D		BPSK, QPSK DIGITAL DATA
	11700.0000 - 12200.0000 MHz	54M0G7D		BPSK, QPSK DIGITAL DATA

SITE ID: PPA Remotes

LOCATION: Operate up to 2000 ESAA stations (0.89m) US&P and over International waters

ANTENNA ID:	PPA	0.89 meters	PANASONIC	AURA LE
	14000.0000 - 14500.0000 MHz	500KG7D	44.50 dBW	BPSK, SPREAD SPECTRUM
	14000.0000 - 14500.0000 MHz	9M00G7D	48.00 dBW	BPSK, SPREAD SPECTRUM
	11450.0000 - 12750.0000 MHz	72M0G7D		PSK
	11450.0000 - 12750.0000 MHz	36M0G7D		PSK

14000.0000 - 14500.0000 MHz	9M00G7D	48.00 dBW	BPSK, SPREAD SPECTRUM
10700.0000 - 12750.0000 MHz	1M20G7D		PSK
10700.0000 - 12750.0000 MHz	36M0G7D		PSK
10700.0000 - 12750.0000 MHz	54M0G7D		PSK
12500.0000 - 12750.0000 MHz	54M0G7D		PSK
12500.0000 - 12750.0000 MHz	1M20G7D		PSK
12250.0000 - 12750.0000 MHz	54M0G7D		PSK
12250.0000 - 12750.0000 MHz	1M20G7D		PSK
11700.0000 - 12200.0000 MHz	54M0G7D		PSK
11700.0000 - 12200.0000 MHz	1M20G7D		PSK
11450.0000 - 12750.0000 MHz	27M0G7D		PSK
11450.0000 - 12750.0000 MHz	1M20G7D		PSK
10950.0000 - 11700.0000 MHz	54M0G7D		PSK
10950.0000 - 11700.0000 MHz	1M20G7D		PSK
10950.0000 - 11200.0000 MHz	27M0G7D		PSK
11700.0000 - 12200.0000 MHz	36M0G7D		PSK
10950.0000 - 12500.0000 MHz	54M0G7D		PSK
10950.0000 - 12500.0000 MHz	36M0G7D		PSK
10950.0000 - 12500.0000 MHz	1M20G7D		PSK
10950.0000 - 12200.0000 MHz	54M0G7D		PSK
10950.0000 - 12200.0000 MHz	1M20G7D		PSK
10950.0000 - 11200.0000 MHz	48M6G7D		PSK
10950.0000 - 11200.0000 MHz	54M0G7D		PSK
11450.0000 - 12200.0000 MHz	1M20G7D		PSK
11450.0000 - 12200.0000 MHz	48M6G7D		PSK
11450.0000 - 12200.0000 MHz	54M0G7D		PSK

12500.0000 - 12600.0000 MHz	1M20G7D	PSK
12500.0000 - 12600.0000 MHz	48M6G7D	PSK
12500.0000 - 12600.0000 MHz	54M0G7D	PSK
10950.0000 - 11200.0000 MHz	1M20G7D	PSK

SITE ID: SPA Remotes

LOCATION: Operate up to 1000 ESAA stations (0.949) US&P and over International waters

ANTENNA ID:	SPA	0.949 meters	PANASONIC	SPA
	14000.0000 - 14500.0000 MHz	500KG7D	45.00 dBW	QPSK, 8PSK, 16APSK
	14000.0000 - 14500.0000 MHz	9M00G7D	45.00 dBW	QPSK, 8PSK, 16APSK
	10700.0000 - 12750.0000 MHz	1M20G7D		QPSK, 8PSK, 16APSK
	10700.0000 - 12750.0000 MHz	36M0G7D		QPSK, 8PSK, 16APSK
	10950.0000 - 11200.0000 MHz	54M0G7D		QPSK, 8PSK, 16APSK
	10950.0000 - 11700.0000 MHz	1M20G7D		QPSK, 8PSK, 16APSK
	10950.0000 - 11700.0000 MHz	54M0G7D		QPSK, 8PSK, 16APSK
	10950.0000 - 12500.0000 MHz	1M20G7D		QPSK, 8PSK, 16APSK
	10950.0000 - 12500.0000 MHz	54M0G7D		QPSK, 8PSK, 16APSK
	11450.0000 - 11700.0000 MHz	1M20G7D		QPSK, 8PSK, 16APSK
	11450.0000 - 11700.0000 MHz	54M0G7D		QPSK, 8PSK, 16APSK
	11450.0000 - 11950.0000 MHz	1M20G7D		QPSK, 8PSK, 16APSK
	11450.0000 - 11950.0000 MHz	54M0G7D		QPSK, 8PSK, 16APSK
	11450.0000 - 12200.0000 MHz	1M20G7D		QPSK, 8PSK, 16APSK
	11450.0000 - 12200.0000 MHz	27M0G7D		QPSK, 8PSK, 16APSK
	11450.0000 - 12200.0000 MHz	54M0G7D		QPSK, 8PSK, 16APSK
	11450.0000 - 12750.0000 MHz	1M20G7D		QPSK, 8PSK, 16APSK
	11450.0000 - 12750.0000 MHz	36M0G7D		QPSK, 8PSK, 16APSK
	11450.0000 - 12750.0000 MHz	54M0G7D		QPSK, 8PSK, 16APSK

11700.0000 - 12200.0000 MHz	1M20G7D	QPSK, 8PSK, 16APSK
11700.0000 - 12200.0000 MHz	36M0G7D	QPSK, 8PSK, 16APSK
11700.0000 - 12200.0000 MHz	54M0G7D	QPSK, 8PSK, 16APSK
12200.0000 - 12750.0000 MHz	1M20G7D	QPSK, 8PSK, 16APSK
12200.0000 - 12750.0000 MHz	36M0G7D	QPSK, 8PSK, 16APSK
12250.0000 - 12750.0000 MHz	1M20G7D	QPSK, 8PSK, 16APSK
12250.0000 - 12750.0000 MHz	54M0G7D	QPSK, 8PSK, 16APSK
12500.0000 - 12750.0000 MHz	36M0G7D	QPSK, 8PSK, 16APSK
12500.0000 - 12750.0000 MHz	54M0G7D	QPSK, 8PSK, 16APSK
12500.0000 - 12600.0000 MHz	1M20G7D	QPSK, 8PSK, 16APSK
12500.0000 - 12600.0000 MHz	48M6G7D	QPSK, 8PSK, 16APSK
12500.0000 - 12600.0000 MHz	54M0G7D	QPSK, 8PSK, 16APSK
10950.0000 - 11200.0000 MHz	1M20G7D	QPSK, 8PSK, 16APSK
10950.0000 - 11200.0000 MHz	48M6G7D	QPSK, 8PSK, 16APSK
11450.0000 - 12200.0000 MHz	48M6G7D	QPSK, 8PSK, 16APSK
12500.0000 - 12750.0000 MHz	1M20G7D	QPSK, 8PSK, 16APSK

SITE ID: TECOM Remotes
LOCATION: Operate up to 1000 ESAA stations (0.62) US&P and over International waters

ANTENNA ID:	TECOM	0.62 meters	TECOM	KU-STREAM 1000
14000.0000 - 14500.0000 MHz	9M00G7D	43.80 dBW		BPSK, QPSK DIGITAL DATA
10950.0000 - 11200.0000 MHz	1M20G7D			QPSK, 8PSK, 16APSK
10950.0000 - 11200.0000 MHz	54M0G7D			QPSK, 8PSK, 16APSK
10950.0000 - 11700.0000 MHz	1M20G7D			QPSK, 8PSK, 16APSK
10950.0000 - 11700.0000 MHz	54M0G7D			QPSK, 8PSK, 16APSK
10950.0000 - 12200.0000 MHz	1M20G7D			QPSK, 8PSK, 16APSK
10950.0000 - 12200.0000 MHz	54M0G7D			QPSK, 8PSK, 16APSK

11450.0000 - 11700.0000 MHz	1M20G7D		QPSK, 8PSK, 16APSK
11450.0000 - 11700.0000 MHz	54M0G7D		QPSK, 8PSK, 16APSK
11450.0000 - 12200.0000 MHz	1M20G7D		QPSK, 8PSK, 16APSK
11450.0000 - 12200.0000 MHz	54M0G7D		QPSK, 8PSK, 16APSK
11700.0000 - 12200.0000 MHz	1M20G7D		QPSK, 8PSK, 16APSK
11700.0000 - 12200.0000 MHz	36M0G7D		QPSK, 8PSK, 16APSK
14000.0000 - 14500.0000 MHz	500KG7D	43.80 dBW	BPSK, QPSK DIGITAL DATA

Points of Communication:

- MELCO Remotes - ESTRELA DO SUL 2 - (63 W.L.)
- MELCO Remotes - TELSTAR 11N (S2357) - (37.5 W.L.)
- PPA Remotes - ANIK G1 - (107.3 W.L.)
- PPA Remotes - APSTAR 6 - (226 W.L.)
- PPA Remotes - Apstar 7 - (76.5 E.L.)
- PPA Remotes - AsiaSat 5 - (100.5E)
- PPA Remotes - AsiaSat 7 - (105.5 E.L.)
- PPA Remotes - E117 WA (S2873) - (116.8 W.L.)
- PPA Remotes - ESTRELA DO SUL 2 - (63 W.L.)
- PPA Remotes - Eutelsat 10A (W2A) - (10.0 E.L.)
- PPA Remotes - EUTELSAT 172A(S2610) - (172 E. L.)
- PPA Remotes - Eutelsat 70B - (70.5 E.L.)
- PPA Remotes - EUTELSAT115WB(S2938) - (114.9 W.L.)
- PPA Remotes - GALAXY 16 - (99 W.L.)
- PPA Remotes - INTELSAT 14 (S2785) - (45.0 W.L.)
- PPA Remotes - INTELSAT 15 (S2789) - (85.15 E.L.)
- PPA Remotes - INTELSAT 29e (S2913) - (50.0 W.L.)
- PPA Remotes - INTELSAT 33e - (60.0 E.L.)
- PPA Remotes - JCSAT 5A - (132 E.L.)
- PPA Remotes - JCSAT-2B - (154 E.L.)

PPA Remotes - NSS-6 - (95 E.L.)

PPA Remotes - Superbird C2 - (144 E.L.)

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

PPA Remotes - TELSTAR 12 V (S2933) - (15 W.L.)

PPA Remotes - Yamal 300K - (177 W.L.)

PPA Remotes - Yamal 401 - (90 E.L.)

SPA Remotes - ANIK G1 - (107.3 W.L.)

SPA Remotes - APSTAR 6 - (226 W.L.)

SPA Remotes - Apstar 7 - (76.5 E.L.)

SPA Remotes - AsiaSat 5 - (100.5E)

SPA Remotes - AsiaSat 7 - (105.5 E.L.)

SPA Remotes - E117 WA (S2873) - (116.8 W.L.)

SPA Remotes - ESTRELA DO SUL 2 - (63 W.L.)

SPA Remotes - Eutelsat 10A (W2A) - (10.0 E.L.)

SPA Remotes - EUTELSAT 172A(S2610) - (172 E. L.)

SPA Remotes - Eutelsat 70B - (70.5 E.L.)

SPA Remotes - EUTELSAT115WB(S2938) - (114.9 W.L.)

SPA Remotes - GALAXY 16 - (99 W.L.)

SPA Remotes - INTELSAT 14 (S2785) - (45.0 W.L.)

SPA Remotes - INTELSAT 15 (S2789) - (85.15 E.L.)

SPA Remotes - INTELSAT 29e (S2913) - (50.0 W.L.)

SPA Remotes - INTELSAT 33e - (60.0 E.L.)

SPA Remotes - JCSAT 5A - (132 E.L.)

SPA Remotes - JCSAT-2B - (154 E.L.)

SPA Remotes - NSS-6 - (95 E.L.)

SPA Remotes - SUPERBIRD C2 (S2639) - (144 E.L.)

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

SPA Remotes - TELSTAR 12 V (S2933) - (15 W.L.)

SPA Remotes - Yamal 300K - (183 E.L.)

SPA Remotes - Yamal 401 - (90 E.L.)

TECOM Remotes - ANIK G1 - (107.3 W.L.)

TECOM Remotes - GALAXY 16 - (99 W.L.)

TECOM Remotes - GE-23 - (188 W.L.)

TECOM Remotes - INTELSAT 29e (S2913) - (50.0 W.L.)

TECOM Remotes - PERMITTED LIST - ()

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

TECOM Remotes - Yamal 300K - (177 W.L.)

SES-MOD-20170317-00303 E E980214 Production & Satellite Services, Inc.

Application for Modification

Class of Station: Temporary Fixed Earth Station

Nature of Service: Fixed Satellite Service

Production & Satellite Services, Inc. requests modification of its temporary-fixed earth station to replace its antenna, change from Ku-band to C-band frequencies, update emission designators, remove previously authorized satellites, and add Permitted List satellites as points of communication. See IBFS File No. SES-AMD-20170411-00391.

SITE ID: 1

LOCATION: 4415 WAGON TRAIL AVE., VARIOUS

ANTENNA ID:	1	2.4 meters	AVL TECHNOLOGIES INC.	2400C
	5925.0000 - 6425.0000 MHz	4M00G7F	58.99 dBW	DIGITAL TV WITH ASSOCIATED AUDIO
	5925.0000 - 6425.0000 MHz	36M0G7F	66.94 dBW	DIGITAL TV WITH ASSOCIATED AUDIO
	3700.0000 - 4200.0000 MHz	4M00G7F		DIGITAL TV WITH ASSOCIATED AUDIO
	3700.0000 - 4200.0000 MHz	36M0G7F		DIGITAL TV WITH ASSOCIATED AUDIO

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20170407-00446 E E140040 Planet Labs Inc.

Application for Modification

Class of Station: Fixed Earth Stations

Nature of Service: Earth Exploration Satellite Service

Planet Labs Inc. requests modification of its fixed earth station in Wallingford, KY to increase the number of authorized antennas from one to three, to relocate the earth station, and to increase the output power of the transmit center frequency 450.0 MHz. The additional antennas are technically identical to, and will be co-located with, the original antenna at the new site.

SITE ID: 1
LOCATION: MOREHEAD STATE BROWNING ORCHARD KY-559, FLEMING, WALLINGFORD, KY
38 ° 25 ' 2.17 " N LAT. 83 ° 33 ' 13.07 " W LONG.

ANTENNA ID:	1	2.7 meters	M2 Inc.	450CP34
	449.9700 - 450.0300 MHz	60K0F1D	36.50 dBW	Digital
ANTENNA ID:	2	2.7 meters	M2 Inc.	400CP30
	401.2700 - 401.3300 MHz	60K0F1D	0.00 dBW	Digital

Points of Communication:

1 - FLOCK 1 (S2912) - (NGSO)

SES-MOD-20170418-00406 E E150079 HNS License Sub, LLC

Application for Modification

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

HNS License Sub, LLC requests modification of its fixed earth station in Roseburg, OR to update station location coordinates.

SITE ID: 1
LOCATION: 455 SE Spruce St., Douglas, Roseburg, OR
43 ° 12 ' 41.90 " N LAT. 123 ° 20 ' 45.90 " W LONG.

ANTENNA ID:	1	8.1 meters	ASC Signal	KA 8.1M.
	29250.0000 - 30000.0000 MHz	89M8G7W	88.30 dBW	M-ary PSK Outroute
	29250.0000 - 30000.0000 MHz	250MG7D	88.30 dBW	M-ary PSK Outroute
	29250.0000 - 30000.0000 MHz	100KG7W	58.80 dBW	M-ary PSK Outroute
	27850.0000 - 29100.0000 MHz	89M8G7W	88.30 dBW	M-ary PSK Outroute
	27850.0000 - 29100.0000 MHz	250MG7D	88.30 dBW	M-ary PSK Outroute
	27850.0000 - 29100.0000 MHz	100KG7W	58.80 dBW	M-ary PSK Outroute
	19700.0000 - 20200.0000 MHz	100KG7W	0.00 dBW	M-ary PSK Inroute
	19700.0000 - 20200.0000 MHz	250MG7W	0.00 dBW	M-ary PSK Inroute
	18300.0000 - 19300.0000 MHz	250MG7W	0.00 dBW	M-ary PSK Inroute
	18300.0000 - 19300.0000 MHz	100KG7W	0.00 dBW	M-ary PSK Inroute

Points of Communication:

1 - JUPITER 97 W(S2834) - (97.1 W. L.)

SES-MOD-20170418-00408 E E150076 HNS License Sub, LLC

Application for Modification

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

HNS License Sub, LLC requests modification of its fixed earth station in Gilbert, AZ to update station location coordinates.

SITE ID: 1

LOCATION: 801 North Dish Drive J2 Gateway application for 9.2M, Maricopa, Gilbert, AZ

33 ° 21 ' 56.10 " N LAT.

111 ° 48 ' 49.10 " W LONG.

ANTENNA ID:	1	9.2 meters	GD SATCOM	KA 9.2M
29300.0000 - 30000.0000 MHz		100KG7W	59.60 dBW	M-ary PSK Outroute
29300.0000 - 30000.0000 MHz		89M8G7W	89.10 dBW	M-ary PSK Outroute
29300.0000 - 30000.0000 MHz		250MG7W	89.10 dBW	M-ary PSK Outroute
28350.0000 - 28360.0000 MHz		1M30F9D	67.30 dBW	Command and Ranging Carrier
27850.0000 - 29100.0000 MHz		89M8G7W	89.10 dBW	M-ary PSK Outroute
27850.0000 - 29100.0000 MHz		250MG7W	89.10 dBW	M-ary PSK Outroute
27850.0000 - 29100.0000 MHz		100KG7W	59.60 dBW	M-ary PSK Outroute
20199.0000 - 20199.0000 MHz		NON	0.00 dBW	Satellite Beacon
19700.0000 - 20200.0000 MHz		100KG7W	0.00 dBW	M-ary PSK Inroute
19700.0000 - 20200.0000 MHz		250MG7W	0.00 dBW	M-ary PSK Inroute
19700.0000 - 19710.0000 MHz		300KG7W	0.00 dBW	Telemetry and Ranging
18300.0000 - 19300.0000 MHz		250MG7W	0.00 dBW	M-ary PSK Inroute
18300.0000 - 19300.0000 MHz		100KG7W	0.00 dBW	M-ary PSK Inroute

Points of Communication:

1 - JUPITER 97 W(S2834) - (97.1 W. L.)

SES-MOD-20170418-00410 E E150085 HNS License Sub, LLC

Application for Modification

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

HNS License Sub, LLC requests modification of its fixed earth station in Bellevue, NE to update station location coordinates.

SITE ID: 1
LOCATION: 1001 FORT CROOK RD N J2 Gateway application for 13.2m antenna, SARPY, BELLEVUE, NE
41 ° 10 ' 41.10 " N LAT. 95 ° 55 ' 24.10 " W LONG.

ANTENNA ID:	1	13.2 meters	GD Satcom	13.2M. KA
	29250.0000 - 30000.0000 MHz	89M8G7W	91.80 dBW	M-ary PSK Outroute
	29250.0000 - 30000.0000 MHz	250MG7W	91.80 dBW	M-ary PSK Outroute
	29250.0000 - 30000.0000 MHz	100KG7W	62.30 dBW	M-ary PSK Outroute
	27850.0000 - 29100.0000 MHz	89M8G7W	91.80 dBW	M-ary PSK Outroute
	27850.0000 - 29100.0000 MHz	250MG7W	91.80 dBW	M-ary PSK Outroute
	27850.0000 - 29100.0000 MHz	100KG7W	62.30 dBW	M-ary PSK Outroute
	19700.0000 - 20200.0000 MHz	250MG7W	0.00 dBW	M-ary PSK Inroute
	19700.0000 - 20200.0000 MHz	100KG7W	0.00 dBW	M-ary PSK Inroute
	18300.0000 - 19100.0000 MHz	250MG7W	0.00 dBW	M-ary PSK Inroute
	18300.0000 - 19100.0000 MHz	100KG7W	0.00 dBW	M-ary PSK Inroute

Points of Communication:

1 - JUPITER 97 W(S2834) - (97.1 W. L.)

SES-MOD-20170418-00412 E E150087 HNS License Sub, LLC

Application for Modification

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

HNS License Sub, LLC requests modification of its fixed earth station in Santa Clara, CA to update station location coordinates.

SITE ID: 1
LOCATION: 2050 Martin Ave., Santa Clara, Santa Clara, CA
37 ° 21 ' 54.50 " N LAT. 121 ° 57 ' 41.00 " W LONG.

ANTENNA ID:	1	5.6 meters	ASC Signal	Ka 5.6m
	29250.0000 - 30000.0000 MHz	56M1G7W	83.00 dBW	M-ary PSK Outroute
	29250.0000 - 30000.0000 MHz	250MG7W	83.00 dBW	M-ary PSK Outroute
	29250.0000 - 30000.0000 MHz	100KG7W	55.50 dBW	M-ary PSK Outroute

27850.0000 - 29100.0000 MHz	56M1G7W	83.00 dBW	M-ary PSK Outroute
27850.0000 - 29100.0000 MHz	250MG7W	83.00 dBW	M-ary PSK Outroute
27850.0000 - 29100.0000 MHz	100KG7W	55.50 dBW	M-ary PSK Outroute
19700.0000 - 20200.0000 MHz	100KG7W	0.00 dBW	M-ary PSK Inroute
19700.0000 - 20200.0000 MHz	250MG7W	0.00 dBW	M-ary PSK Inroute
18300.0000 - 19300.0000 MHz	100KG7W	0.00 dBW	M-ary PSK Inroute
18300.0000 - 18800.0000 MHz	250MG7W	0.00 dBW	M-ary PSK Inroute

Points of Communication:

1 - JUPITER 97 W(S2834) - (97.1 W. L.)

SES-MOD-20170418-00414 E E150077 HNS License Sub, LLC

Application for Modification

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

HNS License Sub, LLC requests modification of its fixed earth station in Cheyenne, WY to update station location coordinates.

SITE ID: 1

LOCATION: 530 Echostar Drive, Laramie, Cheyenne, WY

41 ° 7 ' 54.40 " N LAT.

104 ° 44 ' 13.90 " W LONG.

ANTENNA ID: 1	9.2 meters	GD Satcom	Ka 9.2
29250.0000 - 30000.0000 MHz	100KG7W	59.60 dBW	M-ary PSK Outroute
29250.0000 - 30000.0000 MHz	89M8G7W	89.10 dBW	M-ary PSK Outroute
29250.0000 - 30000.0000 MHz	250MG7W	89.10 dBW	M-ary PSK Outroute
28350.0000 - 28360.0000 MHz	1M30F9D	67.30 dBW	Command and Ranging Carrier
27850.0000 - 29100.0000 MHz	89M8G7W	89.10 dBW	M-ary PSK Outroute
27850.0000 - 29100.0000 MHz	250MG7W	89.10 dBW	M-ary PSK Outroute
27850.0000 - 29100.0000 MHz	100KG7W	59.60 dBW	M-ary PSK Outroute
20199.0000 - 20199.0000 MHz	NON	0.00 dBW	Satelite Beacon
19700.0000 - 20200.0000 MHz	100KG7W	0.00 dBW	M-ary PSK Inroute
19700.0000 - 20200.0000 MHz	250MG7W	0.00 dBW	M-ary PSK Inroute

19700.0000 - 19710.0000 MHz	300KG7W	0.00 dBW	Telemetry and Ranging
18300.0000 - 19300.0000 MHz	250MG7W	0.00 dBW	M-ary PSK Inroute
18300.0000 - 19300.0000 MHz	100KG7W	0.00 dBW	M-ary PSK Inroute

Points of Communication:

1 - JUPITER 97 W(S2834) - (97.1 W. L.)

SES-MOD-20170418-00415 E E150078 HNS License Sub, LLC

Application for Modification

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

HNS license Sub, LLC requests modification of its fixed earth station in Duluth, MN to update station location coordinates.

SITE ID: 1

LOCATION: 3401 Technology Drive, Saint Louis, Duluth, MN
46 ° 49 ' 37.80 " N LAT.

92 ° 7 ' 49.90 " W LONG.

ANTENNA ID:	1	8.1 meters	ASC SIGNAL	KA 8.1M.
29250.0000 - 30000.0000 MHz	89M8G7W	88.30 dBW	M-ary PSK Outroute	
29250.0000 - 30000.0000 MHz	250MG7D	88.30 dBW	M-ary PSK Outroute	
29250.0000 - 30000.0000 MHz	100KG7W	58.80 dBW	M-ary PSK Outroute	
27850.0000 - 29100.0000 MHz	89M8G7W	88.30 dBW	M-ary PSK Outroute	
27850.0000 - 29100.0000 MHz	250MG7D	88.30 dBW	M-ary PSK Outroute	
27850.0000 - 29100.0000 MHz	100KG7W	58.80 dBW	M-ary PSK Outroute	
19700.0000 - 20200.0000 MHz	100KG7W		M-ary PSK Inroute	
19700.0000 - 20200.0000 MHz	250MG7W		M-ary PSK Inroute	
18300.0000 - 19300.0000 MHz	250MG7W		M-ary PSK Inroute	
18300.0000 - 19300.0000 MHz	100KG7W		M-ary PSK Inroute	

Points of Communication:

1 - JUPITER 97 W(S2834) - (97.1 W. L.)

SES-MOD-20170418-00416 E E150089 HNS License Sub, LLC

Application for Modification

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

HNS License Sub, LLC requests modification of its fixed earth station in North Las Vegas, NV to update station location coordinates.

SITE ID: 1
LOCATION: 1 Aerojet Way J2 Gateway application for 5.6M, Clark, North Las Vegas, NV
36 ° 14 ' 11.80 " N LAT. 115 ° 7 ' 4.70 " W LONG.

ANTENNA ID:	1	5.6 meters	ASC SIGNAL	KA 5.6M
	29250.0000 - 30000.0000 MHz	56M1G7W	83.00 dBW	M-ary PSK Outroute
	29250.0000 - 30000.0000 MHz	250MG7W	83.00 dBW	M-ary PSK Outroute
	29250.0000 - 30000.0000 MHz	100KG7W	55.50 dBW	M-ary PSK Outroute
	27850.0000 - 29100.0000 MHz	56M1G7W	83.00 dBW	M-ary PSK Outroute
	27850.0000 - 29100.0000 MHz	250MG7W	83.00 dBW	M-ary PSK Outroute
	27850.0000 - 29100.0000 MHz	100KG7W	55.50 dBW	M-ary PSK Outroute
	19700.0000 - 20200.0000 MHz	100KG7W	0.00 dBW	M-ary PSK Inroute
	19700.0000 - 20200.0000 MHz	250MG7W	0.00 dBW	M-ary PSK Inroute
	18300.0000 - 19300.0000 MHz	100KG7W	0.00 dBW	M-ary PSK Inroute
	18300.0000 - 18800.0000 MHz	250MG7W	0.00 dBW	M-ary PSK Inroute

Points of Communication:

1 - JUPITER 97 W(S2834) - (97.1 W. L.)

SES-MOD-20170419-00443 E E880547 WALGREEN CO.

Application for Modification

Class of Station: VSAT Network

Nature of Service: Fixed Satellite Service

WALGREEN CO. requests modification of its VSAT Network authorization to add Site ID "Remote4" consisting of 7,000 1.2-meter antennas, to communicate with Permitted List satellites in the 14.0-14.5 GHz (Earth-to-space) and 11.7-12.2 GHz (space-to-Earth) frequency bands.

SITE ID: HUB1
LOCATION: 1084 MOUNT PROSPECT PLAZA (6.1M. HUB), COOK, MOUNT PROSPECT, IL
42 ° 4 ' 8.00 " N LAT. 87 ° 55 ' 6.00 " W LONG.

ANTENNA ID:	HUB1	6.1 meters	VERTEX	6.1 KPK
	14000.0000 - 14500.0000 MHz	1M23G7D	69.30 dBW	PSK, DATA, OUTROUTE 1024KSPS
	14000.0000 - 14500.0000 MHz	36M0G7D	82.00 dBW	PSK, DATA, OUTROUTE 30MSPS

14000.0000 - 14500.0000 MHz	12M0G7D	77.60 dBW	PSK, DATA, OUTROUTE 10MSPS
11700.0000 - 12200.0000 MHz	307KG7D		PSK, DATA, INROUTE 256KSPS
11700.0000 - 12200.0000 MHz	1M60G7D		PSK, DATA, INROUTE 1024KSPS

SITE ID: REMOTE1

LOCATION: 1084 MOUNT PROSPECT PLAZA (2.4M. VSAT), 1000 UNITS, COOK, CONUS, PR, AK, HI VI, IL

ANTENNA ID: REMOTE1 2.4 meters PRODELIN 1244

14000.0000 - 14500.0000 MHz	1M60G7D	52.20 dBW	PSK, DATA, INROUTE 1024KSPS
14000.0000 - 14500.0000 MHz	307KG7D	52.20 dBW	PSK, DATA, INROUTE 256KSPS
11700.0000 - 12200.0000 MHz	1M23G7D		PSK, DATA, OUTROUTE 1024KSPS
11700.0000 - 12200.0000 MHz	36M0G7D		PSK, DATA, OUTROUTE 30MSPS
11700.0000 - 12200.0000 MHz	12M0G7D		PSK, DATA, OUTROUTE 10MSPS

SITE ID: REMOTE2

LOCATION: 1084 MOUNT PROSPECT PLAZA (1.8M. VSAT), 5000 UNITS, COOK, CONUS, PR, AK, HI VI, IL

ANTENNA ID: REMOTE2 1.8 meters PRODELIN 1184

14000.0000 - 14500.0000 MHz	1M60G7D	49.70 dBW	PSK, DATA, INROUTE 1024KSPS
14000.0000 - 14500.0000 MHz	307KG7D	49.70 dBW	PSK, DATA, INROUTE 256KSPS
11700.0000 - 12200.0000 MHz	1M23G7D		PSK, DATA, OUTROUTE 1024KSPS
11700.0000 - 12200.0000 MHz	36M0G7D		PSK, DATA, OUTROUTE 30MSPS
11700.0000 - 12200.0000 MHz	12M0G7D		PSK, DATA, OUTROUTE 10MSPS

SITE ID: REMOTE3

LOCATION: 1084 MOUNT PROSPECT PLAZA (1.2M. VSAT), 7000 UNITS, COOK, CONUS, PR, AK, HI VI, IL

ANTENNA ID: REMOTE3 1.2 meters PRODELIN 1123

14000.0000 - 14500.0000 MHz	1M60G7D	46.10 dBW	PSK, DATA, INROUTE 1024KSPS
14000.0000 - 14500.0000 MHz	307KG7D	46.10 dBW	PSK, DATA, INROUTE 256KSPS
11700.0000 - 12200.0000 MHz	1M23G7D		PSK, DATA, OUTROUTE 1024KSPS
11700.0000 - 12200.0000 MHz	36M0G7D		PSK, DATA, OUTROUTE 30MSPS
11700.0000 - 12200.0000 MHz	12M0G7D		PSK, DATA, OUTROUTE 10MSPS

SITE ID: REMOTE4
LOCATION: 1084 MOUNT PROSPECT PLAZA (1.2M. VSAT), 7000 UNITS, COOK, CONUS, PR, AK, HI, V, IL

ANTENNA ID:	REMOTE4	1.2 meters	PRODELIN	1134	
	14000.0000 - 14500.0000 MHz		1M60G7D	46.10 dBW	PSK, DATA, OUTROUTE 1024KSPS
	14000.0000 - 14500.0000 MHz		307KG7D	46.10 dBW	PSK, DATA, INROUTE 256KSPS
	11700.0000 - 12200.0000 MHz		12M0G7D		PSK, DATA, OUTROUTE 10MSPS
	11700.0000 - 12200.0000 MHz		36M0G7D		PSK, DATA, INROUTE 256KSPS
	11700.0000 - 12200.0000 MHz		1M23G7D		PSK, DATA, OUTROUTE 1024KSPS

Points of Communication:

HUB1 - PERMITTED LIST - ()

REMOTE1 - PERMITTED LIST - ()

REMOTE2 - PERMITTED LIST - ()

REMOTE3 - PERMITTED LIST - ()

REMOTE4 - PERMITTED LIST - ()

SES-MOD-20170427-00474 E E030159 SpeedCast Communications Inc

Application for Modification

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SpeedCast Communications Inc. requests modification of its fixed earth station on an oil platform in the Gulf of Mexico to add emission designator "9M38G7W" to communicate with Permitted List satellites in the 5925-6425 MHz (Earth-to-space) and 3700-4200 (space-to-Earth) frequency bands.

SITE ID: Gunnison Spar
LOCATION: GULF OF MEXICO, GULF OF MEXICO, GULF OF MEXICO, TX
27 ° 18 ' 19.00 " N LAT. 93 ° 32 ' 20.00 " W LONG.

ANTENNA ID:	Seatel9797	2.4 meters	Seatel	9797	
	5925.0000 - 6425.0000 MHz		1M00G1W	48.97 dBW	Digital Data, QPSK
	5925.0000 - 6425.0000 MHz		4M47G7W	50.05 dBW	DIGITAL
	5925.0000 - 6425.0000 MHz		640KG7W	39.92 dBW	DIGITAL
	3700.0000 - 4200.0000 MHz		1M00G1W		Digital Data, QPSK
	3700.0000 - 4200.0000 MHz		4M47G7W		DIGITAL

3700.0000 - 4200.0000 MHz	640KG7W		DIGITAL
5925.0000 - 6425.0000 MHz	9M38G7W	59.50 dBW	Digital video, audio and data
3700.0000 - 4200.0000 MHz	9M38G7W		Digital video, audio and data

Points of Communication:

Gunnison Spar - AMC-9 - (85 W.L.)

Gunnison Spar - Eutelsat 113W(S2695) - (113 W.L.)

Gunnison Spar - PERMITTED LIST - ()

SES-MOD-20170427-00475 E E050333 SpeedCast Communications Inc

Application for Modification

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SpeedCast Communications Inc. requests modification of its fixed earth station on an oil platform in the Gulf of Mexico to add emission designator "9M38G7W" to communicate with Permitted List satellites in the 5925-6425 MHz (Earth-to-space) and 3700-4200 (space-to-Earth) frequency bands.

SITE ID: Nansen

LOCATION: East Breaks 602 (Nansen) Oil Platform Gulf of Mexico, Gulf of Mexico, Gulf of Mexico, TX
 27 ° 22 ' 1.70 " N LAT. 94 ° 28 ' 3.60 " W LONG.

ANTENNA ID: A1	2.4 meters	Sea Tel	9797
5925.0000 - 6425.0000 MHz	450KG7W	35.30 dBW	Digital Voice and Data
5925.0000 - 6425.0000 MHz	341KG7W	35.30 dBW	Digital Voice and Data
5925.0000 - 6425.0000 MHz	1M80G7W	50.80 dBW	Digital
5925.0000 - 6425.0000 MHz	619KG7W	39.77 dBW	DIGITAL
3700.0000 - 4200.0000 MHz	450KG7W		Digital Voice and Data
3700.0000 - 4200.0000 MHz	341KG7W		Digital Voice and Data
3700.0000 - 4200.0000 MHz	1M80G7W		Digital
3700.0000 - 4200.0000 MHz	619KG7W		DIGITAL
5925.0000 - 6425.0000 MHz	9M38G7W	59.50 dBW	Digital video, audio and data
3700.0000 - 4200.0000 MHz	9M38G7W		Digital video, audio and data

Points of Communication:

Nansen - PERMITTED LIST - ()

SES-MOD-20170427-00476 E E140005 Anadarko Petroleum Corporation

Application for Modification

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

Anadarko Petroleum Corporation requests modification of its fixed earth station on an oil platform in the Gulf of Mexico to add emission designator "9M38G7W" to communicate with Permitted List satellites in the 5925-6425 MHz (Earth-to-space) and 3700-4200 (space-to-Earth) frequency bands.

SITE ID: 1

LOCATION: Offshore oil Platform in the GOM, GULF OF MEXICO, GULF OF MEXICO, TX
26 ° 7 ' 54.80 " N LAT. 92 ° 2 ' 25.10 " W LONG.

ANTENNA ID:	1	2.4 meters	SeaTel	9797
	5925.0000 - 6425.0000 MHz	4M59G7W	49.46 dBW	Digital
	5925.0000 - 6425.0000 MHz	2M29G7W	46.46 dBW	Digital
	3700.0000 - 4200.0000 MHz	7M66G7W	0.00 dBW	Digital
	3700.0000 - 4200.0000 MHz	3M88G7W	0.00 dBW	Digital
	5925.0000 - 6425.0000 MHz	9M38G7W	59.50 dBW	Digital video, audio and data
	3700.0000 - 4200.0000 MHz	9M38G7W		Digital video, audio and data

Points of Communication:

1 - Eutelsat 113W(S2695) - (113 W.L.)

1 - PERMITTED LIST - ()

SES-MOD-20170427-00477 E E150008 Anadarko Petroleum Corporation

Application for Modification

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

Anadarko Petroleum Corporation requests modification of its fixed earth station on an oil platform in the Gulf of Mexico to add emission "9M38G7W" to communicate with Permitted List satellites in the 5925-6425 MHz (Earth-to-space) and 3700-4200 (space-to-Earth) frequency bands.

SITE ID: 1

LOCATION: Offshore oil platform in the GOM Block GC859, Gulf of Mexico, Gulf of Mexico, TX
27 ° 6 ' 41.10 " N LAT. 90 ° 45 ' 50.30 " W LONG.

ANTENNA ID:	1	2.4 meters	SeaTel	9797
	5925.0000 - 6425.0000 MHz	4M59G7W	46.46 dBW	Digital

5925.0000 - 6425.0000 MHz	2M29G7W	49.46 dBW	Digital
3700.0000 - 4200.0000 MHz	7M66G7W	0.00 dBW	Digital
3700.0000 - 4200.0000 MHz	3M88G7W	0.00 dBW	Digital
5925.0000 - 6425.0000 MHz	9M38G7W	59.50 dBW	Digital video, audio and data
3700.0000 - 4200.0000 MHz	9M38G7W		Digital video, audio and data

Points of Communication:

1 - Eutelsat 113W(S2695) - (113 W.L.)

1 - PERMITTED LIST - ()

SES-STA-20170421-00448 E E110104 SES Americom, Inc.

Special Temporary Authority

Class of Station:

SES Americom, Inc. requests special temporary authority for 180 days, beginning May 21, 2017, to use its fixed earth station in Bristow, VA, to provide telemetry, tracking, and command (TT&C) services for the ASTRA 1D satellite during the planned relocation of the spacecraft from its current position at 47.3° W.L. to 72.5° W.L., and once the satellite arrives on-station at 72.5° W.L. (+/- 0.10° east/west station keeping) on center frequencies: 14013 MHz, 14493 MHz (Earth-to-space) and 11447.5 MHz, 11454 MHz (space-to-Earth).

Points of Communication:

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