



PUBLIC NOTICE

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

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Internet: <http://www.fcc.gov> (or <ftp.fcc.gov>)
TTY (202) 418-2555

Report No. SES-02170

Wednesday June 12, 2019

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-AFS-20190401-00394 E E120106 AC BidCo LLC

Amendment

Class of Station: Blanket Earth Stations

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

See IBFS File No. SES-MFS-20190304-00227 for a description of application.

SITE ID: AES1

LOCATION: UP TO 1000 ESAA TERMINALS (0.24 m) 111 N. CANAL ST., CONUS and OCONUS

ANTENNA ID:	AES1	0.24 meters	AeroSat	HR6400
14000.0000 - 14500.0000 MHz		8M00G7D	44.50 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz		6M94G7D	44.45 dBW	DIGITAL DATA SERVICES
11700.0000 - 12200.0000 MHz		30M0G7D		Digital Data Services
10950.0000 - 11200.0000 MHz		30M0G7D		Digital Data Services
11450.0000 - 11700.0000 MHz		30M0G7D		Digital Data Services
14000.0000 - 14500.0000 MHz		6M56G7D	44.43 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz		6M00G7D	44.40 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz		4M10G7D	42.80 dBW	DIGITAL DATA SERVICES

14000.0000 - 14500.0000 MHz	2M34G7D	44.63 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	2M40G7D	43.89 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	2M50G7D	44.57 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	3M66G7D	44.55 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	3M79G7D	44.48 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	3M89G7D	44.55 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	3M90G7D	44.49 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	6M57G7D	44.53 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	882KG7D	44.56 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	9M36G7D	42.32 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	8M19G7D	43.20 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	4M10G7D	38.10 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	1M40G7D	44.60 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	1M00G7W	44.33 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	1M20G7W	44.20 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	1M67G7W	42.74 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	1M75G7W	43.10 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	2M00G7W	44.50 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	3M00G7W	44.50 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	4M00G7W	44.50 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	5M00G7W	44.50 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	6M76G7W	43.50 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	830KG7W	42.40 dBW	DIGITAL DATA SERVICES
12200.0000 - 12750.0000 MHz	30M0G7D	0.00 dBW	Digital Data Services
14000.0000 - 14500.0000 MHz	6M35G7W	43.70 dBW	Digital Data Services
14000.0000 - 14500.0000 MHz	2M50G7W	44.25 dBW	Digital Data Services

14000.0000 - 14500.0000 MHz	2M30G7W	44.50 dBW	Digital Data Services
14000.0000 - 14250.0000 MHz	2M05G7W	42.67 dBW	Digital Data Services
11200.0000 - 11450.0000 MHz	30M0G7W		Digital Data Services
10700.0000 - 12750.0000 MHz	138MG7W		DIGITAL DATA SERVICES

SITE ID: AES2

LOCATION: UP TO 1000 ESAA TERMINALS (0.74 m) 111 N. CANAL ST., CONUS and OCONUS

ANTENNA ID:	AES2	0.74 meters	THINKOM	2KUANTENNA
	14000.0000 - 14500.0000 MHz	7M28G7D	41.60 dBW	DIGITAL DATA SERVICES
	14000.0000 - 14500.0000 MHz	1M51G7D	44.60 dBW	DIGITAL DATA SERVICES
	14000.0000 - 14500.0000 MHz	1M80G7D	43.20 dBW	DIGITAL DATA SERVICES
	14000.0000 - 14500.0000 MHz	2M00G7D	43.90 dBW	DIGITAL DATA SERVICES
	14000.0000 - 14500.0000 MHz	2M00G7D	44.60 dBW	DIGITAL DATA SERVICES
	14000.0000 - 14500.0000 MHz	2M10G7D	44.20 dBW	DIGITAL DATA SERVICES
	14000.0000 - 14500.0000 MHz	2M27G7D	44.60 dBW	DIGITAL DATA SERVICES
	14000.0000 - 14500.0000 MHz	2M40G7D	44.50 dBW	DIGITAL DATA SERVICES
	14000.0000 - 14500.0000 MHz	3M00G7D	44.50 dBW	DIGITAL DATA SERVICES
	14000.0000 - 14500.0000 MHz	3M60G7D	44.60 dBW	DIGITAL DATA SERVICES
	14000.0000 - 14500.0000 MHz	4M10G7D	41.60 dBW	DIGITAL DATA SERVICES
	14000.0000 - 14500.0000 MHz	4M80G7D	44.60 dBW	DIGITAL DATA SERVICES
	14000.0000 - 14500.0000 MHz	5M60G7D	44.50 dBW	DIGITAL DATA SERVICES
	14000.0000 - 14500.0000 MHz	5M64G7D	40.70 dBW	DIGITAL DATA SERVICES
	14000.0000 - 14500.0000 MHz	5M83G7D	44.50 dBW	DIGITAL DATA SERVICES
	14000.0000 - 14500.0000 MHz	5M97G7D	43.10 dBW	DIGITAL DATA SERVICES
	14000.0000 - 14500.0000 MHz	6M72G7D	42.30 dBW	DIGITAL DATA SERVICES
	14000.0000 - 14500.0000 MHz	7M17G7D	40.90 dBW	DIGITAL DATA SERVICES
	14000.0000 - 14500.0000 MHz	7M40G7D	41.40 dBW	DIGITAL DATA SERVICES
	14000.0000 - 14500.0000 MHz	7M50G7D	41.60 dBW	DIGITAL DATA SERVICES

14000.0000 - 14500.0000 MHz	8M00G7D	44.60 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	8M10G7D	43.20 dBW	DIGITAL DATA SERVICES
10950.0000 - 11200.0000 MHz	30M0G7D		DIGITAL DATA SERVICES
11450.0000 - 11700.0000 MHz	30M0G7D		DIGITAL DATA SERVICES
11700.0000 - 12200.0000 MHz	30M0G7D		DIGITAL DATA SERVICES
12250.0000 - 12750.0000 MHz	30M0G7D		DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	1M00G7W	44.71 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	1M20G7W	44.50 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	1M75G7W	42.60 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	2M00G7W	46.98 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	3M00G7W	50.20 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	4M00G7W	45.94 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	6M00G7W	45.08 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	7M48G7W	43.87 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	930KG7W	42.40 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	7M20G7W	42.43 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	6M35G7W	44.80 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	5M05G7W	45.50 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	2M50G7W	48.70 dBW	DIGITAL DATA SERVICES
14000.0000 - 14250.0000 MHz	2M05G7W	41.70 dBW	DIGITAL DATA SERVICES
11200.0000 - 11450.0000 MHz	30M0G7W		DIGITAL DATA SERVICES
10700.0000 - 12750.0000 MHz	138MG7W		DIGITAL DATA SERVICES

Points of Communication:

AES1 - ABS-3A (S2987) - (3 W. L.)

AES1 - ABS-3A (S2987) - (3.0 W.L.)

AES1 - AMAZONAS 2 (S2793) - (61 W.L.)

AES1 - AMC 21 - (124.9 W.L.)

AES1 - AMC-1(S2445) - (130.90)

AES1 - AMC-6 (S2347) - (83 W.L.)

AES1 - APSTAR 5 - (138 E.L.)

AES1 - ARSAT-2 - (81.0 W.L.)

AES1 - AsiaSat 7 - (105.5 E.L.)

AES1 - ASTRA 4A - (4.8 E.L.)

AES1 - E117 WA (S2873) - (116.8 W.L.)

AES1 - EUTELSAT115WB(S2938) - (114.9 W.L.)

AES1 - EUTELSAT172B(S3021) - (172 E.L.)

AES1 - GALAXY 17 (S2715) - (91 W.L.)

AES1 - GALAXY 28 (S2160) - (89.0 W.L.)

AES1 - HORIZONS-3 (S2947) - (169 E.L.)

AES1 - INTEL 907 (S2411) - (27.5 W.L.)

AES1 - INTELSAT 14 (S2785) - (45.0 W.L.)

AES1 - INTELSAT 18 (S2817) - (180 E.L.)

AES1 - INTELSAT 19 (S2850) - (166.0 E.L.)

AES1 - INTELSAT 20 - (68.5 E.L.)

AES1 - INTELSAT 21 (S2863) - (58.0 W.L.)

AES1 - INTELSAT 22 - (72.1 E. L.)

AES1 - INTELSAT 29e (S2913) - (50.0 W.L.)

AES1 - INTELSAT 33e (S2939) - (60.0 E.L.)

AES1 - INTELSAT 37e (S2972) - (18.0 W.L.)

AES1 - JCSAT 5A - (132 E.L.)

AES1 - JCSAT-2B - (154 E.L.)

AES1 - JCSAT-3A - (128 E.L.)

AES1 - OPTUS D2 - (152 E.L.)

AES1 - OTHER -

AES1 - OTHER -

AES1 - SES-1 (S2807) - (101.0 W.L.)

AES1 - SES-10 (S2950) - (66.9 W.L.)

AES1 - SES-14 (S2974) - (47.5 W.L.)

AES1 - SES-15 (S2951) - (129.15 W.L.)

AES1 - SES-2 (S2826) - (87 W.L.)

AES1 - SES-3 (S2892) - (103 W.L.)

AES1 - SES-4 (S2828) - (22.0 W.L.)

AES1 - SES-6 (S2870) - (40.5 W.L.)

AES1 - TELSTAR 11N (S2357) - (37.5 W.L.)

AES1 - TELSTAR 12 V (S2933) - (15 W.L.)

AES1 - TELSTAR 18 - (138 E. L.)

AES1 - Yamal 300K - (177 W.L.)

AES1 - Yamal 401 - (90 E.L.)

AES2 - AMAZONAS 2 (S2793) - (61 W.L.)

AES2 - AMC 21 - (124.9 W.L.)

AES2 - AMC-4 (S2135) - (134.9 W.L.)

AES2 - AMC-6 (S2347) - (83 W.L.)

AES2 - AMC-6 (S2347) - (83 W.L.)

AES2 - APSTAR 5 - (138 E.L.)

AES2 - APSTAR 6C - (134 E.L.)

AES2 - ARSAT-2 - (81.0 W.L.)

AES2 - AsiaSat 7 - (105.5 E.L.)

AES2 - AsiaSat-9 - (122 E.L.)

AES2 - ASTRA 4A - (4.8 E.L.)

AES2 - E117 WA (S2873) - (116.8 W.L.)

AES2 - EUTELSAT115WB(S2938) - (114.9 W.L.)

AES2 - GALAXY 17 (S2715) - (91 W.L.)

AES2 - GALAXY 28 (S2160) - (89.0 W.L.)

AES2 - HORIZONS-3 (S2947) - (169 E.L.)

AES2 - INTEL 907 (S2411) - (27.5 W.L.)

AES2 - INTELSAT 14 (S2785) - (45.0 W.L.)

AES2 - INTELSAT 18 (S2817) - (180 E.L.)

AES2 - INTELSAT 19 (S2850) - (166.0 E.L.)

AES2 - INTELSAT 20 - (68.5 E.L.)

AES2 - INTELSAT 21 (S2863) - (58.0 W.L.)

AES2 - INTELSAT 22 - (72.1 E. L.)

AES2 - INTELSAT 29e (S2913) - (50.0 W.L.)

AES2 - INTELSAT 33e (S2939) - (60.0 E.L.)

AES2 - INTELSAT 37e (S2972) - (18.0 W.L.)

AES2 - JCSAT-110A - (110 E. L.)

AES2 - JCSAT-2B - (154 E.L.)

AES2 - JCSAT-3A - (128 E.L.)

AES2 - OPTUS D2 - (152 E.L.)

AES2 - SES-1 (S2807) - (101.0 W.L.)

AES2 - SES-10 (S2950) - (66.9 W.L.)

AES2 - SES-14 (S2974) - (47.5 W.L.)

AES2 - SES-15 (S2951) - (129.15 W.L.)

AES2 - SES-3 (S2892) - (103 W.L.)

AES2 - SES-4 (S2828) - (22.0 W.L.)

AES2 - SES-6 (S2870) - (40.5 W.L.)

AES2 - TELSTAR 11N (S2357) - (37.5 W.L.)

AES2 - TELSTAR 12 V (S2933) - (15 W.L.)

AES2 - TELSTAR 18 - (138 E. L.)

AES2 - Yamal 300K - (177 W.L.)

AES2 - Yamal 401 - (90 E.L.)

SES-AMD-20181016-03241 E E181395 Spectrum Mid-America, LLC

Amendment

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

See IBFS File No. SES-REG-20180717-02243 for description of application.

SITE ID: 1

LOCATION: 333 Mesa Ridge, Knott, Bulan, KY

37 ° 21 ' 26.00 " N LAT.

83 ° 6 ' 35.60 " W LONG.

ANTENNA ID:	1	5 meters	Antenna Technology Corp.	Simulsat 5M
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	2	5 meters	Scientific-Atlanta	8008B
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	3	4.6 meters	Andrew	ESA46
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	4	4.6 meters	Scientific-Atlanta	8346
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	5	4.5 meters	Andrew	ESA45
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	6	4.5 meters	DH Satellite	4.5M
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	7	4.5 meters	Scientific-Atlanta	8345
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	8	3.8 meters	Comtech	934D0015-G5
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	9	3.7 meters	Prodelin	1374
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	10	1.8 meters	Patriot	TX-INT180KU
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	11	2.7 meters	SA	80280
	3700.0000 - 4200.0000 MHz		36M0G7W	Video, Audio, Data

Points of Communication:

1 - PERMITTED LIST - ()

SES-LIC-20190211-00151 E E190066 SpaceX Services, Inc.
Application for Authority
Class of Station: Blanket Earth Stations

Nature of Service: Fixed Satellite Service, Other

SITE ID: 1

LOCATION: 18390 NE 68th Street, King, Redmond, WA

ANTENNA ID:	1	0.48 meters	SpaceX	N/A
	10700.0000 - 12700.0000 MHz	240MD7W		BPSK up to 64QAM; Digital Data
	14000.0000 - 14500.0000 MHz	62M5D7W	38.20 dBW	BPSK up to 64QAM; Digital Data

Points of Communication:

1 - SPACEEX (S2983) - (NGSO)

SES-LIC-20190305-00258 E E190102 Hawaii Pacific Teleport, L.P.

Application for Authority

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: Flame Tree Rd., Saipan, Gualo Rai, MP

15 ° 7 ' 41.10 " N LAT.

145 ° 43 ' 23.60 " E LONG.

ANTENNA ID:	1	3.8 meters	Challenger	OffSat
	3700.0000 - 4200.0000 MHz	51K2G7W		Digital traffic, various FEC, data rates and modulation
	3700.0000 - 4200.0000 MHz	36M0G7W		Digital traffic, various FEC, data rates and modulation
	6168.0000 - 6425.0000 MHz	51K2G7W	43.17 dBW	Digital traffic, various FEC, data rates and modulation
	6168.0000 - 6425.0000 MHz	36M0G7W	69.11 dBW	Digital traffic, various FEC, data rates and modulation

Points of Communication:

1 - JCSAT-2B - (154 E.L.)

SES-LIC-20190418-00527 E E190229 Arctic Slope Telephone Association Cooperative, Inc.

Application for Authority

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 301 Airport Road, Dillingham Borough, Dillingham, AK

59 ° 2 ' 28.60 " N LAT.

158 ° 31 ' 26.40 " W LONG.

ANTENNA ID:	1	3.8 meters	Viking	3.8 meter
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3700.0000 - 4200.0000 MHz	3M40G7W		Digital Data Carrier
5925.0000 - 6425.0000 MHz	3M40G7W	66.20 dBW	Digital Data Carrier

Points of Communication:

1 - PERMITTED LIST - ()

SES-MFS-20180911-02588 E E990402 Globecom License Sub LLC

Modification

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

Globecom License Sub LLC requests modification of its fixed earth station in Hauppauge, NY to operate with the Eutelsat 65 West A satellite at 65.2° W.L. orbital location as a new point of communication in the 12751.000-12994.500 MHz (Earth-to-space) and 10701.000-10944.500 MHz (space-to-Earth) frequency bands in accordance with FCC Telefax message 800C2/SEB16174 on 27 April 2016.

SITE ID: 1

LOCATION: 45 OSER AVENUE, SUFFOLK, HAUPPAUGE, NY

40 ° 48 ' 54.10 " N LAT.

73 ° 14 ' 17.80 " W LONG.

ANTENNA ID:	AOT-10	9.3 meters	VERTEX	9.3 KPK
14000.0000 - 14500.0000 MHz	36M0G7W	85.70 dBW	DIGITAL DATA/VIDEO, QPSK FEC 3/4 45,000 KBPS	
14000.0000 - 14500.0000 MHz	222KG7D	64.20 dBW	DIGITAL DATA, QPSK FEC 3/4 & REED SOLOMON 188/204, 256 KBPS	
13874.0000 - 13910.0000 MHz	15M4G7D	72.50 dBW	DIGITAL DATA, 16QAM, FEC 7/8, 45,000 KBPS	
13874.0000 - 13910.0000 MHz	18M0G7D	72.50 dBW	DIGITAL DATA, 16QAM, FEC 7/8, 45,000 KBPS	
13834.0000 - 13870.0000 MHz	15M4G7D	72.50 dBW	DIGITAL DATA, 16QAM, FEC 7/8, 45,000 KBPS	
13834.0000 - 13870.0000 MHz	18M0G7D	72.50 dBW	DIGITAL DATA, 16QAM, FEC 7/8, 45,000 KBPS	
13794.0000 - 13830.0000 MHz	15M4G7D	72.50 dBW	DIGITAL DATA, 16QAM, FEC 7/8, 45,000 KBPS	
13794.0000 - 13830.0000 MHz	18M0G7D	72.50 dBW	DIGITAL DATA, 16QAM, FEC 7/8, 45,000 KBPS	
13754.0000 - 13790.0000 MHz	15M4G7D	72.50 dBW	DIGITAL DATA, 16QAM, FEC 7/8, 45,000 KBPS	
13754.0000 - 13790.0000 MHz	18M0G7D	72.50 dBW	DIGITAL DATA, 16QAM, FEC 7/8, 45,000 KBPS	
13750.0000 - 14000.0000 MHz	3M00G2D	64.60 dBW	DIGITAL DATA	

13750.0000 - 14000.0000 MHz	615KG2D	57.90 dBW	DIGITAL DATA
11700.0000 - 12200.0000 MHz	36M0G7W		DIGITAL DATA/VIDEO, QPSK FEC 3/4 45,000 KBPS
11700.0000 - 12200.0000 MHz	222KG7D		DIGITAL DATA, QPSK FEC 3/4 & REED SOLOMON 188/204, 256 KBPS
11700.0000 - 12200.0000 MHz	615KG2D		DIGITAL DATA
11700.0000 - 12200.0000 MHz	3M00G2D		DIGITAL DATA
11700.0000 - 12200.0000 MHz	15M4G7D		DIGITAL DATA, 16QAM, FEC 7/8, 45,000 KBPS
11700.0000 - 12200.0000 MHz	18M0G7D		DIGITAL DATA, 16QAM, FEC 7/8, 45,000 KBPS
10701.0000 - 10944.5000 MHz	36M0G7W		DIGITAL DATA
12751.0000 - 12994.5000 MHz	36M0G7W	85.00 dBW	DIGITAL DATA
ANTENNA ID: AOT-7	9.3 meters	VERTEX CORPORATION	9.3 KPK
14000.0000 - 14500.0000 MHz	222KG7D	64.20 dBW	DIGITAL DATA
14000.0000 - 14500.0000 MHz	36M0G7W	86.30 dBW	DIGITAL VIDEO, AUDIO, AND DATA
11700.0000 - 12200.0000 MHz	15M4G7D		DIGITAL DATA
11700.0000 - 12200.0000 MHz	18M0G7D		DIGITAL DATA
11700.0000 - 12200.0000 MHz	222KG7D		DIGITAL DATA
11700.0000 - 12200.0000 MHz	3M00G2D		DIGITAL DATA
11700.0000 - 12200.0000 MHz	615KG2D		DIGITAL DATA
11700.0000 - 12200.0000 MHz	36M0G7W		DIGITAL VIDEO, AUDIO, AND DATA
13750.0000 - 14000.0000 MHz	30M0G7W	75.90 dBW	DIGITAL VIDEO, AUDIO, AND DATA
13750.0000 - 13770.0000 MHz	600KG7W	68.50 dBW	DIGITAL VIDEO, AUDIO, AND DATA
13780.0000 - 14000.0000 MHz	36M0G7W	84.80 dBW	DIGITAL VIDEO, AUDIO, AND DATA
13780.0000 - 14000.0000 MHz	600KG7W	68.50 dBW	DIGITAL VIDEO, AUDIO, AND DATA

Points of Communication:

1 - EUTELSAT AB-2(S2596) - (8.0 W.L.)

1 - PERMITTED LIST - ()

SES-MFS-20181213-03453 E E170121 Intelsat License LLC

Modification

Class of Station: Other

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

Intelsat License LLC requests modification of its blanket license earth stations aboard aircraft (ESAA) to add two new terminal types, the SkyTech Model BB30Ku (BB30) and the SkyTech Model BB45Ku (BB45), for ESAA and VMES operations with previously authorized satellite points of communication (including any U.S.-licensed or non-U.S. licensed satellite on the Commission's Permitted Space Station List). Intelsat also requests authority to operate with four additional satellites as points of communication for ESAA operations outside the United States at power levels higher than those allowed for communications with Permitted List satellites. Specifically, Intelsat requests authority for the following additional operations: Intelsat 33e (S2939) at the 60° E.L. orbital location in the 10.95-11.2 GHz, 11.45-11.7 GHz, and 11.7-12.2 GHz frequency bands; Galaxy 16 (S2687) at the 43.15° W.L. orbital location in the 11.7-12.2 GHz frequency band; Galaxy 18 (S2733) at the 60° E.L. orbital location in the 11.7-12.2 GHz frequency band; and Intelsat 905 (S2409) at the 335.5° E.L. orbital location in the 10.95-11.20 GHz and 11.45-11.7 GHz frequency bands. Additionally, Intelsat requests that the Commission permit ESAA operations using the BB30 and BB45 in the 12.2-12.75 GHz frequency band under the same non-interference conditions that currently apply to the other terminals authorized under its current license. See IBFS File No. SES-LIC-20170626-00682.

SITE ID: TECOM REMOTES

LOCATION: 2875 Fork Creek Church Road .65 METER, (1000 UNITS), Ellenwood, GA

ANTENNA ID:	TECOM	0.65 meters	TECOM	1500
14000.0000 - 14500.0000 MHz		2M59G7W	42.50 dBW	Digital Data Services
14000.0000 - 14250.0000 MHz		375KG7W	34.10 dBW	Digital Data Services
14000.0000 - 14250.0000 MHz		2M59G7W	42.50 dBW	Digital Data Services
12500.0000 - 12750.0000 MHz		1M20G7W	0.00 dBW	Digital Data Services
12500.0000 - 12750.0000 MHz		18M0G7W	0.00 dBW	Digital Data Services
12500.0000 - 12750.0000 MHz		54M0G7W	0.00 dBW	Digital Data Services
12250.0000 - 12750.0000 MHz		1M20G7W	0.00 dBW	Digital Data Services
12250.0000 - 12750.0000 MHz		18M0G7W	0.00 dBW	Digital Data Services
12250.0000 - 12750.0000 MHz		54M0G7W	0.00 dBW	Digital Data Services
12200.0000 - 12250.0000 MHz		1M20G7W	0.00 dBW	Digital Data Services
12200.0000 - 12250.0000 MHz		54M0G7W	0.00 dBW	Digital Data Services
12200.0000 - 12250.0000 MHz		18M0G7W	0.00 dBW	Digital Data Services
11700.0000 - 12200.0000 MHz		1M20G7W	0.00 dBW	Digital Data Services
11700.0000 - 12200.0000 MHz		18M0G7W	0.00 dBW	Digital Data Services
11700.0000 - 12200.0000 MHz		54M0G7W	0.00 dBW	Digital Data Services

11700.0000 - 11950.0000 MHz	1M20G7W	0.00 dBW	Digital Data Services
11700.0000 - 11950.0000 MHz	54M0G7W	0.00 dBW	Digital Data Services
11700.0000 - 11950.0000 MHz	18M0G7W	0.00 dBW	Digital Data Services
11450.0000 - 11950.0000 MHz	1M20G7W	0.00 dBW	Digital Data Services
11450.0000 - 11950.0000 MHz	18M0G7W	0.00 dBW	Digital Data Services
11450.0000 - 11950.0000 MHz	54M0G7W	0.00 dBW	Digital Data Services
11450.0000 - 11700.0000 MHz	1M20G7W	0.00 dBW	Digital Data Services
11450.0000 - 11700.0000 MHz	18M0G7W	0.00 dBW	Digital Data Services
11450.0000 - 11700.0000 MHz	54M0G7W	0.00 dBW	Digital Data Services
10950.0000 - 11200.0000 MHz	1M20G7W	0.00 dBW	Digital Data Services
10950.0000 - 11200.0000 MHz	18M0G7W	0.00 dBW	Digital Data Services
10950.0000 - 11200.0000 MHz	54M0G7W	0.00 dBW	Digital Data Services

SITE ID: RANTEC REMOTES

LOCATION: 2875 Fork Creek Church Road .46 METER, (1000 UNITS), Ellenwood, GA

ANTENNA ID:	Rantec	0.46 meters	Rantec Microwave Systems	Rantec SATCOM
	14000.0000 - 14500.0000 MHz	375KG7W	30.60 dBW	Digital Data Services
	14000.0000 - 14500.0000 MHz	7M05G7W	43.40 dBW	Digital Data Services
	14000.0000 - 14250.0000 MHz	375KG7W	30.60 dBW	Digital Data Services
	14000.0000 - 14250.0000 MHz	7M05G7W	43.40 dBW	Digital Data Services
	12500.0000 - 12750.0000 MHz	1M20G7W	0.00 dBW	Digital Data Services
	12500.0000 - 12750.0000 MHz	18M0G7W	0.00 dBW	Digital Data Services
	12500.0000 - 12750.0000 MHz	54M0G7W	0.00 dBW	Digital Data Services
	12250.0000 - 12750.0000 MHz	1M20G7W	0.00 dBW	Digital Data Services
	12250.0000 - 12750.0000 MHz	18M0G7W	0.00 dBW	Digital Data Services
	12250.0000 - 12750.0000 MHz	54M0G7W	0.00 dBW	Digital Data Services
	12200.0000 - 12250.0000 MHz	1M20G7W	0.00 dBW	Digital Data Services
	12200.0000 - 12250.0000 MHz	18M0G7W	0.00 dBW	Digital Data Services

12200.0000 - 12250.0000 MHz	54M0G7W	0.00 dBW	Digital Data Services
11700.0000 - 12200.0000 MHz	1M20G7W	0.00 dBW	Digital Data Services
11700.0000 - 12200.0000 MHz	54M0G7W	0.00 dBW	Digital Data Services
11700.0000 - 12200.0000 MHz	18M0G7W	0.00 dBW	Digital Data Services
11700.0000 - 11950.0000 MHz	1M20G7W	0.00 dBW	Digital Data Services
11700.0000 - 11950.0000 MHz	18M0G7W	0.00 dBW	Digital Data Services
11700.0000 - 11950.0000 MHz	54M0G7W	0.00 dBW	Digital Data Services
11450.0000 - 11950.0000 MHz	1M20G7W	0.00 dBW	Digital Data Services
11450.0000 - 11950.0000 MHz	18M0G7W	0.00 dBW	Digital Data Services
11450.0000 - 11950.0000 MHz	54M0G7W	0.00 dBW	Digital Data Services
11450.0000 - 11700.0000 MHz	1M20G7W	0.00 dBW	Digital Data Services
11450.0000 - 11700.0000 MHz	18M0G7W	0.00 dBW	Digital Data Services
11450.0000 - 11700.0000 MHz	54M0G7W	0.00 dBW	Digital Data Services
10950.0000 - 11200.0000 MHz	1M20G7W	0.00 dBW	Digital Data Services
10950.0000 - 11200.0000 MHz	18M0G7W	0.00 dBW	Digital Data Services
10950.0000 - 11200.0000 MHz	54M0G7W	0.00 dBW	Digital Data Services
SITE ID: HR129 REMOTES LOCATION: 2875 FORK CREEK ROAD 0.29 METER (1000 UNITS), ELLENWOOD, GA			
ANTENNA ID: HR129	0.24 meters	ASTRONICS AEROS	HR129
14000.0000 - 14250.0000 MHz	72M0G7W	40.20 dBW	Digital Data Services
10950.0000 - 11200.0000 MHz	18M0G7W		Digital Data Services
10950.0000 - 11200.0000 MHz	54M0G7W		Digital Data Services
11450.0000 - 11700.0000 MHz	1M20G7W		Digital Data Services
11450.0000 - 11950.0000 MHz	18M0G7W		Digital Data Services
11450.0000 - 11950.0000 MHz	54M0G7W		Digital Data Services
11700.0000 - 11950.0000 MHz	1M20G7W		Digital Data Services
11700.0000 - 12200.0000 MHz	18M0G7W		Digital Data Services

11700.0000 - 12200.0000 MHz	54M0G7W		Digital Data Services
12200.0000 - 12250.0000 MHz	1M20G7W		Digital Data Services
12250.0000 - 12750.0000 MHz	18M0G7W		Digital Data Services
12250.0000 - 12750.0000 MHz	54M0G7W		Digital Data Services
12500.0000 - 12750.0000 MHz	1M20G7W		Digital Data Services
11700.0000 - 11950.0000 MHz	18M0G7W		Digital Data Services
14000.0000 - 14250.0000 MHz	375KG7W	27.40 dBW	Digital Data Services
14000.0000 - 14500.0000 MHz	375KG7W	27.40 dBW	Digital Data Services
14000.0000 - 14500.0000 MHz	7M05G7W	40.20 dBW	Digital Data Services
10950.0000 - 11200.0000 MHz	1M20G7W		Digital Data Services
11450.0000 - 11700.0000 MHz	18M0G7W		Digital Data Services
11450.0000 - 11700.0000 MHz	54M0G7W		Digital Data Services
11450.0000 - 11950.0000 MHz	1M20G7W		Digital Data Services
11700.0000 - 11950.0000 MHz	54M0G7W		Digital Data Services
11700.0000 - 12200.0000 MHz	1M20G7W		Digital Data Services
12200.0000 - 12250.0000 MHz	18M0G7W		Digital Data Services
12200.0000 - 12250.0000 MHz	54M0G7W		Digital Data Services
12250.0000 - 12750.0000 MHz	1M20G7W		Digital Data Services
12500.0000 - 12750.0000 MHz	18M0G7W		Digital Data Services
12500.0000 - 12750.0000 MHz	54M0G7W		Digital Data Services
SITE ID: HR6400 REMOTES			
LOCATION: 2875 FORK CREEK ROAD 0.86 METER (1000 UNITS), ELLENWOOD, GA			
ANTENNA ID: HR6400	0.86 meters	ASTRONICS AEROSAT	HR6400
14000.0000 - 14250.0000 MHz	2M59G7W	42.00 dBW	Digital Data Services
14000.0000 - 14500.0000 MHz	2M59G7W	42.00 dBW	Digital Data Services
10950.0000 - 11200.0000 MHz	18M0G7W		Digital Data Services
10950.0000 - 11200.0000 MHz	54M0G7W		Digital Data Services

11450.0000 - 11700.0000 MHz	54M0G7W		Digital Data Services
11450.0000 - 11950.0000 MHz	1M20G7W		Digital Data Services
11700.0000 - 11950.0000 MHz	18M0G7W		Digital Data Services
11700.0000 - 11950.0000 MHz	54M0G7W		Digital Data Services
12200.0000 - 12250.0000 MHz	54M0G7W		Digital Data Services
11700.0000 - 12200.0000 MHz	54M0G7W		Digital Data Services
12200.0000 - 12250.0000 MHz	1M20G7W		Digital Data Services
12250.0000 - 12750.0000 MHz	18M0G7W		Digital Data Services
12250.0000 - 12750.0000 MHz	54M0G7W		Digital Data Services
12500.0000 - 12750.0000 MHz	54M0G7W		Digital Data Services
11450.0000 - 11700.0000 MHz	18M0G7W		Digital Data Services
14000.0000 - 14250.0000 MHz	375KG7W	33.60 dBW	Digital Data Services
14000.0000 - 14500.0000 MHz	375KG7W	33.60 dBW	Digital Data Services
10950.0000 - 11200.0000 MHz	1M20G7W		Digital Data Services
11450.0000 - 11700.0000 MHz	1M20G7W		Digital Data Services
11450.0000 - 11950.0000 MHz	18M0G7W		Digital Data Services
11450.0000 - 11950.0000 MHz	54M0G7W		Digital Data Services
11700.0000 - 11950.0000 MHz	1M20G7W		Digital Data Services
11700.0000 - 12200.0000 MHz	18M0G7W		Digital Data Services
11700.0000 - 12200.0000 MHz	1M20G7W		Digital Data Services
12200.0000 - 12250.0000 MHz	18M0G7W		Digital Data Services
12250.0000 - 12750.0000 MHz	1M20G7W		Digital Data Services
12500.0000 - 12750.0000 MHz	18M0G7W		Digital Data Services
12500.0000 - 12750.0000 MHz	1M20G7W		Digital Data Services

SITE ID: BB45KUREMOTES

LOCATION: 2875 FORK CREEK ROAD 0.45 METER (250 UNITS), ELLENWOOD, GA

ANTENNA ID: BB45KU 0.45 meters SKYTECH BB45

10950.0000 - 11200.0000 MHz	1M20G7W		Digital Data Services
11450.0000 - 11700.0000 MHz	18M0G7W		Digital Data Services
11450.0000 - 11700.0000 MHz	54M0G7W		Digital Data Services
11450.0000 - 11950.0000 MHz	1M20G7W		Digital Data Services
11700.0000 - 11950.0000 MHz	18M0G7W		Digital Data Services
11700.0000 - 11950.0000 MHz	1M20G7W		Digital Data Services
11700.0000 - 12200.0000 MHz	18M0G7W		Digital Data Services
11700.0000 - 12200.0000 MHz	54M0G7W		Digital Data Services
12200.0000 - 12250.0000 MHz	1M20G7W		Digital Data Services
12250.0000 - 12750.0000 MHz	18M0G7W		Digital Data Services
12250.0000 - 12750.0000 MHz	54M0G7W		Digital Data Services
12500.0000 - 12750.0000 MHz	1M20G7W		Digital Data Services
14000.0000 - 14250.0000 MHz	375KG7W	29.90 dBW	Digital Data Services
14000.0000 - 14500.0000 MHz	7M05G7W	42.60 dBW	Digital Data Services
10950.0000 - 11200.0000 MHz	18M0G7W		Digital Data Services
10950.0000 - 11200.0000 MHz	54M0G7W		Digital Data Services
11450.0000 - 11700.0000 MHz	1M20G7W		Digital Data Services
11450.0000 - 11950.0000 MHz	18M0G7W		Digital Data Services
11450.0000 - 11950.0000 MHz	54M0G7W		Digital Data Services
11700.0000 - 11950.0000 MHz	54M0G7W		Digital Data Services
11700.0000 - 12200.0000 MHz	1M20G7W		Digital Data Services
12200.0000 - 12250.0000 MHz	18M0G7W		Digital Data Services
12200.0000 - 12250.0000 MHz	54M0G7W		Digital Data Services
12250.0000 - 12750.0000 MHz	1M20G7W		Digital Data Services
12500.0000 - 12750.0000 MHz	18M0G7W		Digital Data Services
12500.0000 - 12750.0000 MHz	54M0G7W		Digital Data Services

14000.0000 - 14250.0000 MHz	7M05G7W	42.60 dBW	Digital Data Services
14000.0000 - 14500.0000 MHz	375KG7W	29.90 dBW	Digital Data Services

SITE ID: BB30KUREMOTES

LOCATION: 2875 FORK CREEK ROAD 0.3 METER (250 UNITS), ELLENWOOD, GA

ANTENNA ID:	BB30KU	0.3 meters	SKYTECH	BB30
	14000.0000 - 14500.0000 MHz	375KG7W	34.10 dBW	Digital Data Services
	10950.0000 - 11200.0000 MHz	1M20G7W		Digital Data Services
	11450.0000 - 11700.0000 MHz	18M0G7W		Digital Data Services
	11450.0000 - 11700.0000 MHz	54M0G7W		Digital Data Services
	11450.0000 - 11950.0000 MHz	1M20G7W		Digital Data Services
	11700.0000 - 11950.0000 MHz	18M0G7W		Digital Data Services
	11700.0000 - 11950.0000 MHz	54M0G7W		Digital Data Services
	11700.0000 - 12200.0000 MHz	18M0G7W		Digital Data Services
	11700.0000 - 12200.0000 MHz	54M0G7W		Digital Data Services
	12200.0000 - 12250.0000 MHz	1M20G7W		Digital Data Services
	12250.0000 - 12750.0000 MHz	18M0G7W		Digital Data Services
	12250.0000 - 12750.0000 MHz	54M0G7W		Digital Data Services
	12500.0000 - 12750.0000 MHz	1M20G7W		Digital Data Services
	14000.0000 - 14250.0000 MHz	7M05G7W	37.00 dBW	Digital Data Services
	14000.0000 - 14500.0000 MHz	7M05G7W	37.00 dBW	Digital Data Services
	14000.0000 - 14250.0000 MHz	375KG7W	24.30 dBW	Digital Data Services
	14000.0000 - 14500.0000 MHz	375KG7W	24.30 dBW	Digital Data Services
	10950.0000 - 11200.0000 MHz	18M0G7W		Digital Data Services
	10590.0000 - 11200.0000 MHz	54M0G7W		Digital Data Services
	11450.0000 - 11700.0000 MHz	1M20G7W		Digital Data Services
	11450.0000 - 11950.0000 MHz	18M0G7W		Digital Data Services
	11450.0000 - 11950.0000 MHz	54M0G7W		Digital Data Services

11700.0000 - 11950.0000 MHz	1M20G7W	Digital Data Services
11700.0000 - 12200.0000 MHz	1M20G7W	Digital Data Services
12200.0000 - 12250.0000 MHz	18M0G7W	Digital Data Services
12200.0000 - 12250.0000 MHz	54M0G7W	Digital Data Services
12250.0000 - 12750.0000 MHz	1M20G7W	Digital Data Services
12500.0000 - 12750.0000 MHz	18M0G7W	Digital Data Services
12500.0000 - 12750.0000 MHz	54M0G7W	Digital Data Services

Points of Communication:

BB30KUREMOTES - GALAXY 16 (S2687) - (99 W.L.)

BB30KUREMOTES - GALAXY 18 (S2733) - (123 W.L.)

BB30KUREMOTES - HORIZONS-3 (S2947) - (169 E.L.)

BB30KUREMOTES - INTELSAT 14 (S2785) - (45.0 W.L.)

BB30KUREMOTES - INTELSAT 17 (S2814) - (66 E.L.)

BB30KUREMOTES - INTELSAT 18 (S2817) - (180 E.L.)

BB30KUREMOTES - INTELSAT 19 (S2850) - (166.0 E.L.)

BB30KUREMOTES - INTELSAT 20 - (68.5 E.L.)

BB30KUREMOTES - INTELSAT 21 (S2863) - (58.0 W.L.)

BB30KUREMOTES - INTELSAT 22 - (72.1 E. L.)

BB30KUREMOTES - INTELSAT 29e (S2913) - (50.0 W.L.)

BB30KUREMOTES - INTELSAT 33e (S2939) - (60.0 E.L.)

BB30KUREMOTES - INTELSAT 34(S2915) - (55.5 W.L.)

BB30KUREMOTES - INTELSAT 37e (S2972) - (18.0 W.L.)

BB30KUREMOTES - Intelsat 905 (S2409) - (24.5 W.L.)

BB30KUREMOTES - PERMITTED LIST - ()

BB45KUREMOTES - GALAXY 16 (S2687) - (99 W.L.)

BB45KUREMOTES - GALAXY 18 (S2733) - (123 W.L.)

BB45KUREMOTES - HORIZONS 2 - (74.05 DEG)

BB45KUREMOTES - INTELSAT 14 (S2785) - (45.0 W.L.)

BB45KUREMOTES - INTELSAT 17 (S2814) - (66 E.L.)

BB45KUREMOTES - INTELSAT 18 (S2817) - (180 E.L.)

BB45KUREMOTES - INTELSAT 19 (S2850) - (166.0 E.L.)

BB45KUREMOTES - INTELSAT 20 - (68.5 E.L.)

BB45KUREMOTES - INTELSAT 21 (S2863) - (58.0 W.L.)

BB45KUREMOTES - INTELSAT 22 - (72.1 E. L.)

BB45KUREMOTES - INTELSAT 29e (S2913) - (50.0 W.L.)

BB45KUREMOTES - INTELSAT 33e (S2939) - (60.0 E.L.)

BB45KUREMOTES - INTELSAT 34(S2915) - (55.5 W.L.)

BB45KUREMOTES - INTELSAT 37e (S2972) - (18.0 W.L.)

BB45KUREMOTES - Intelsat 905 (S2409) - (24.5 W.L.)

BB45KUREMOTES - PERMITTED LIST - ()

HR129 REMOTES - GALAXY 19 (S2647) - (97 W.L.)

HR129 REMOTES - HORIZONS 1 (S2475) - (127 WL)

HR129 REMOTES - HORIZONS-3 (S2947) - (169 E.L.)

HR129 REMOTES - INTELSAT 14 (S2785) - (45.0 W.L.)

HR129 REMOTES - INTELSAT 17 (S2814) - (66 E.L.)

HR129 REMOTES - INTELSAT 18 (S2817) - (180 E.L.)

HR129 REMOTES - INTELSAT 19 (S2850) - (166.0 E.L.)

HR129 REMOTES - INTELSAT 20 - (68.5 E.L.)

HR129 REMOTES - INTELSAT 21 (S2863) - (58.0 W.L.)

HR129 REMOTES - INTELSAT 22 - (72.1 E. L.)

HR129 REMOTES - INTELSAT 23 - (53 W. L.)

HR129 REMOTES - INTELSAT 29e (S2913) - (50.0 W.L.)

HR129 REMOTES - INTELSAT 33e (S2939) - (60.0 E.L.)

HR129 REMOTES - INTELSAT 34(S2915) - (55.5 W.L.)

HR129 REMOTES - INTELSAT 35e(S2959) - (34.5 W.L.)

HR129 REMOTES - INTELSAT 37e (S2972) - (18.0 W.L.)

HR129 REMOTES - PERMITTED LIST - ()

HR129 REMOTES - SKY-B1(S2922) - (43.15 W.L.)

HR6400 REMOTES - GALAXY 19 (S2647) - (97 W.L.)

HR6400 REMOTES - HORIZONS 1 (S2475) - (127 WL)

HR6400 REMOTES - HORIZONS-3 (S2947) - (169 E.L.)

HR6400 REMOTES - INTELSAT 14 (S2785) - (45.0 W.L.)

HR6400 REMOTES - INTELSAT 17 (S2814) - (66 E.L.)

HR6400 REMOTES - INTELSAT 18 (S2817) - (180 E.L.)

HR6400 REMOTES - INTELSAT 19 (S2850) - (166.0 E.L.)

HR6400 REMOTES - INTELSAT 20 - (68.5 E.L.)

HR6400 REMOTES - INTELSAT 21 (S2863) - (58.0 W.L.)

HR6400 REMOTES - INTELSAT 22 - (72.1 E. L.)

HR6400 REMOTES - INTELSAT 23 - (53 W. L.)

HR6400 REMOTES - INTELSAT 29e (S2913) - (50.0 W.L.)

HR6400 REMOTES - INTELSAT 33e (S2939) - (60.0 E.L.)

HR6400 REMOTES - INTELSAT 34(S2915) - (55.5 W.L.)

HR6400 REMOTES - INTELSAT 35e(S2959) - (34.5 W.L.)

HR6400 REMOTES - INTELSAT 37e (S2972) - (18.0 W.L.)

HR6400 REMOTES - PERMITTED LIST - ()

HR6400 REMOTES - SKY-B1(S2922) - (43.15 W.L.)

RANTEC REMOTES - GALAXY 19 (S2647) - (97 W.L.)

RANTEC REMOTES - HORIZONS 1 (S2475) - (127 WL)

RANTEC REMOTES - HORIZONS-3 (S2947) - (169 E.L.)

RANTEC REMOTES - INTELSAT 14 (S2785) - (45.0 W.L.)

RANTEC REMOTES - INTELSAT 17 (S2814) - (66 E.L.)

RANTEC REMOTES - INTELSAT 18 (S2817) - (180 E.L.)

RANTEC REMOTES - INTELSAT 19 (S2850) - (166.0 E.L.)

RANTEC REMOTES - INTELSAT 20 - (68.5 E.L.)

RANTEC REMOTES - INTELSAT 21 (S2863) - (58.0 W.L.)

RANTEC REMOTES - INTELSAT 22 - (72.1 E. L.)

RANTEC REMOTES - INTELSAT 23 - (53 W. L.)

RANTEC REMOTES - INTELSAT 29e (S2913) - (50.0 W.L.)

RANTEC REMOTES - INTELSAT 33e (S2939) - (60.0 E.L.)

RANTEC REMOTES - INTELSAT 34(S2915) - (55.5 W.L.)

RANTEC REMOTES - INTELSAT 35e(S2959) - (34.5 W.L.)

RANTEC REMOTES - INTELSAT 37e (S2972) - (18.0 W.L.)

RANTEC REMOTES - PERMITTED LIST - ()

RANTEC REMOTES - SKY-B1(S2922) - (43.15 W.L.)

TECOM REMOTES - GALAXY 19 (S2647) - (97 W.L.)

TECOM REMOTES - HORIZONS 1 (S2475) - (127 WL)

TECOM REMOTES - HORIZONS-3 (S2947) - (169 E.L.)

TECOM REMOTES - INTELSAT 14 (S2785) - (45.0 W.L.)

TECOM REMOTES - INTELSAT 17 (S2814) - (66 E.L.)

TECOM REMOTES - INTELSAT 18 (S2817) - (180 E.L.)

TECOM REMOTES - INTELSAT 19 (S2850) - (166.0 E.L.)

TECOM REMOTES - INTELSAT 20 - (68.5 E.L.)

TECOM REMOTES - INTELSAT 21 (S2863) - (58.0 W.L.)

TECOM REMOTES - INTELSAT 22 - (72.1 E. L.)

TECOM REMOTES - INTELSAT 23 - (53 W. L.)

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

TECOM REMOTES - INTELSAT 33e (S2939) - (60.0 E.L.)

TECOM REMOTES - INTELSAT 34(S2915) - (55.5 W.L.)

TECOM REMOTES - INTELSAT 35e(S2959) - (34.5 W.L.)

TECOM REMOTES - INTELSAT 37e (S2972) - (18.0 W.L.)

TECOM REMOTES - PERMITTED LIST - ()

TECOM REMOTES - SKY-B1(S2922) - (43.15 W.L.)

SES-MFS-20190304-00227 E E120106 AC BidCo LLC

Modification

Class of Station: Blanket Earth Stations

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

AC BidCo requests a modification of its blanket license to operate Ku-band earth stations aboard aircraft (ESAAs) to include additional spacecraft as authorized points of communication. Specifically, AC BidCo requests that the Commission permit ESAA operations with: (1) Telstar 18 VANTAGE (Tonga-licensed) at the 138° E.L. orbital location in the 14-14.5 GHz (Earth-to-space) on a primary basis, and in the 11.45-11.7 GHz (space-to-Earth) on an unprotected basis; (2) JCSAT-3A (Japan-licensed) at the 128° E.L. orbital location in the 14-14.5 GHz (Earth-to-space) on a primary basis, and in the 12.2-12.75 GHz (space-to-Earth) on a nonconforming basis; (3) AsiaSat-9 (China-licensed) at the 122° E. L. orbital location in the 14-14.5 GHz (Earth-to-space) and the 11.7-12.2 GHz (space-to-Earth) on a primary basis, and in the 10.95-11.7 GHz (space-to-Earth) on an unprotected basis; (4) APSTAR 6C (China-licensed) at the 134° E.L. orbital location in the 14-14.5 GHz (Earth-to-space) on a primary basis, and in the 12.25-12.75 GHz (space-to-Earth) on a nonconforming basis; and (5) Amazonas-2 (Brazil-licensed) at the 61° W.L. orbital location in the 14-14.5 GHz (Earth-to-space) and in the 11.7-12.2 (space-to-Earth) on a primary basis, and in the 10.95-11.2 GHz (space-to-Earth) on an unprotected basis. Additionally, AC BidCo requests: (1) a waiver of the U.S. Table of Allocations in Section 2.106 to permit ESAA operations in the 12.2-12.75 GHz spectrum; and (2) a waiver of Section 25.283(c) for the orbital debris mitigation requirements for JCSAT-3A and APSTAR 6C, which cannot fully vent propellants and/or relieve pressure vessels at end of life. This application was amended by IBFS File No. SES-AFS-20190401-00394.

SITE ID: AES1

LOCATION: UP TO 1000 ESAA TERMINALS (0.24 m) 111 N. CANAL ST., CONUS and OCONUS

ANTENNA ID:	AES1	0.24 meters	AeroSat	HR6400
	14000.0000 - 14500.0000 MHz	8M00G7D	44.50 dBW	DIGITAL DATA SERVICES
	14000.0000 - 14500.0000 MHz	6M94G7D	44.45 dBW	DIGITAL DATA SERVICES
	11700.0000 - 12200.0000 MHz	30M0G7D		Digital Data Services
	10950.0000 - 11200.0000 MHz	30M0G7D		Digital Data Services
	11450.0000 - 11700.0000 MHz	30M0G7D		Digital Data Services
	14000.0000 - 14500.0000 MHz	6M56G7D	44.43 dBW	DIGITAL DATA SERVICES
	14000.0000 - 14500.0000 MHz	6M00G7D	44.40 dBW	DIGITAL DATA SERVICES
	14000.0000 - 14500.0000 MHz	4M10G7D	42.80 dBW	DIGITAL DATA SERVICES
	14000.0000 - 14500.0000 MHz	2M34G7D	44.63 dBW	DIGITAL DATA SERVICES
	14000.0000 - 14500.0000 MHz	2M40G7D	43.89 dBW	DIGITAL DATA SERVICES
	14000.0000 - 14500.0000 MHz	2M50G7D	44.57 dBW	DIGITAL DATA SERVICES
	14000.0000 - 14500.0000 MHz	3M66G7D	44.55 dBW	DIGITAL DATA SERVICES
	14000.0000 - 14500.0000 MHz	3M79G7D	44.48 dBW	DIGITAL DATA SERVICES
	14000.0000 - 14500.0000 MHz	3M89G7D	44.55 dBW	DIGITAL DATA SERVICES
	14000.0000 - 14500.0000 MHz	3M90G7D	44.49 dBW	DIGITAL DATA SERVICES
	14000.0000 - 14500.0000 MHz	6M57G7D	44.53 dBW	DIGITAL DATA SERVICES
	14000.0000 - 14500.0000 MHz	882KG7D	44.56 dBW	DIGITAL DATA SERVICES
	14000.0000 - 14500.0000 MHz	9M36G7D	42.32 dBW	DIGITAL DATA SERVICES

14000.0000 - 14500.0000 MHz	8M19G7D	43.20 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	4M10G7D	38.10 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	1M40G7D	44.60 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	1M00G7W	44.33 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	1M20G7W	44.20 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	1M67G7W	42.74 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	1M75G7W	43.10 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	2M00G7W	44.50 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	3M00G7W	44.50 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	4M00G7W	44.50 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	5M00G7W	44.50 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	6M76G7W	43.50 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	830KG7W	42.40 dBW	DIGITAL DATA SERVICES
12200.0000 - 12750.0000 MHz	30M0G7D	0.00 dBW	Digital Data Services
14000.0000 - 14500.0000 MHz	6M35G7W	43.70 dBW	Digital Data Services
14000.0000 - 14500.0000 MHz	2M50G7W	44.25 dBW	Digital Data Services
14000.0000 - 14500.0000 MHz	2M30G7W	44.50 dBW	Digital Data Services
14000.0000 - 14250.0000 MHz	2M05G7W	42.67 dBW	Digital Data Services
11200.0000 - 11450.0000 MHz	30M0G7W		Digital Data Services
10700.0000 - 12750.0000 MHz	138MG7W		DIGITAL DATA SERVICES

SITE ID: AES2

LOCATION: UP TO 1000 ESAA TERMINALS (0.74 m) 111 N. CANAL ST., CONUS and OCONUS

ANTENNA ID:	AES2	0.74 meters	THINKOM	2KUANTENNA
14000.0000 - 14500.0000 MHz	7M28G7D	41.60 dBW	DIGITAL DATA SERVICES	
14000.0000 - 14500.0000 MHz	1M51G7D	44.60 dBW	DIGITAL DATA SERVICES	
14000.0000 - 14500.0000 MHz	1M80G7D	43.20 dBW	DIGITAL DATA SERVICES	
14000.0000 - 14500.0000 MHz	2M00G7D	43.90 dBW	DIGITAL DATA SERVICES	

14000.0000 - 14500.0000 MHz	2M00G7D	44.60 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	2M10G7D	44.20 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	2M27G7D	44.60 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	2M40G7D	44.50 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	3M00G7D	44.50 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	3M60G7D	44.60 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	4M10G7D	41.60 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	4M80G7D	44.60 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	5M60G7D	44.50 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	5M64G7D	40.70 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	5M83G7D	44.50 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	5M97G7D	43.10 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	6M72G7D	42.30 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	7M17G7D	40.90 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	7M40G7D	41.40 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	7M50G7D	41.60 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	8M00G7D	44.60 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	8M10G7D	43.20 dBW	DIGITAL DATA SERVICES
10950.0000 - 11200.0000 MHz	30M0G7D		DIGITAL DATA SERVICES
11450.0000 - 11700.0000 MHz	30M0G7D		DIGITAL DATA SERVICES
11700.0000 - 12200.0000 MHz	30M0G7D		DIGITAL DATA SERVICES
12250.0000 - 12750.0000 MHz	30M0G7D		DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	1M00G7W	44.71 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	1M20G7W	44.50 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	1M75G7W	42.60 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	2M00G7W	46.98 dBW	DIGITAL DATA SERVICES

14000.0000 - 14500.0000 MHz	3M00G7W	50.20 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	4M00G7W	45.94 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	6M00G7W	45.08 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	7M48G7W	43.87 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	930KG7W	42.40 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	7M20G7W	42.43 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	6M35G7W	44.80 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	5M05G7W	45.50 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	2M50G7W	48.70 dBW	DIGITAL DATA SERVICES
14000.0000 - 14250.0000 MHz	2M05G7W	41.70 dBW	DIGITAL DATA SERVICES
11200.0000 - 11450.0000 MHz	30M0G7W		DIGITAL DATA SERVICES
10700.0000 - 12750.0000 MHz	138MG7W		DIGITAL DATA SERVICES

Points of Communication:

AES1 - ABS-3A (S2987) - (3 W. L.)

AES1 - ABS-3A (S2987) - (3.0 W.L.)

AES1 - AMAZONAS 2 (S2793) - (61 W.L.)

AES1 - AMC 21 - (124.9 W.L.)

AES1 - AMC-1(S2445) - (130.90)

AES1 - AMC-6 (S2347) - (83 W.L.)

AES1 - APSTAR 5 - (138 E.L.)

AES1 - APSTAR 6C - (134 E.L.)

AES1 - ARSAT-2 - (81.0 W.L.)

AES1 - AsiaSat 7 - (105.5 E.L.)

AES1 - AsiaSat-9 - (122 E.L.)

AES1 - ASTRA 4A - (4.8 E.L.)

AES1 - E117 WA (S2873) - (116.8 W.L.)

AES1 - EUTELSAT115WB(S2938) - (114.9 W.L.)

AES1 - EUTELSAT172B(S3021) - (172 E.L.)

AES1 - GALAXY 17 (S2715) - (91 W.L.)

AES1 - GALAXY 28 (S2160) - (89.0 W.L.)

AES1 - HORIZONS-3 (S2947) - (169 E.L.)

AES1 - INTEL 907 (S2411) - (27.5 W.L.)

AES1 - INTELSAT 14 (S2785) - (45.0 W.L.)

AES1 - INTELSAT 18 (S2817) - (180 E.L.)

AES1 - INTELSAT 19 (S2850) - (166.0 E.L.)

AES1 - INTELSAT 20 - (68.5 E.L.)

AES1 - INTELSAT 21 (S2863) - (58.0 W.L.)

AES1 - INTELSAT 22 - (72.1 E. L.)

AES1 - INTELSAT 29e (S2913) - (50.0 W.L.)

AES1 - INTELSAT 33e (S2939) - (60.0 E.L.)

AES1 - INTELSAT 37e (S2972) - (18.0 W.L.)

AES1 - JCSAT 5A - (132 E.L.)

AES1 - JCSAT-2B - (154 E.L.)

AES1 - JCSAT-3A - (128 E.L.)

AES1 - OPTUS D2 - (152 E.L.)

AES1 - SES-1 (S2807) - (101.0 W.L.)

AES1 - SES-10 (S2950) - (66.9 W.L.)

AES1 - SES-14 (S2974) - (47.5 W.L.)

AES1 - SES-15 (S2951) - (129.15 W.L.)

AES1 - SES-2 (S2826) - (87 W.L.)

AES1 - SES-3 (S2892) - (103 W.L.)

AES1 - SES-4 (S2828) - (22.0 W.L.)

AES1 - SES-6 (S2870) - (40.5 W.L.)

AES1 - TELSTAR 11N (S2357) - (37.5 W.L.)

AES1 - TELSTAR 12 V (S2933) - (15 W.L.)

AES1 - TELSTAR 18 - (138 E. L.)

AES1 - Yamal 300K - (177 W.L.)

AES1 - Yamal 401 - (90 E.L.)

AES2 - AMAZONAS 2 (S2793) - (61 W.L.)

AES2 - AMC 21 - (124.9 W.L.)

AES2 - AMC-4 (S2135) - (134.9 W.L.)

AES2 - AMC-6 (S2347) - (83 W.L.)

AES2 - AMC-6 (S2347) - (83 W.L.)

AES2 - APSTAR 5 - (138 E.L.)

AES2 - ARSAT-2 - (81.0 W.L.)

AES2 - AsiaSat 7 - (105.5 E.L.)

AES2 - ASTRA 4A - (4.8 E.L.)

AES2 - E117 WA (S2873) - (116.8 W.L.)

AES2 - EUTELSAT115WB(S2938) - (114.9 W.L.)

AES2 - GALAXY 17 (S2715) - (91 W.L.)

AES2 - GALAXY 28 (S2160) - (89.0 W.L.)

AES2 - HORIZONS-3 (S2947) - (169 E.L.)

AES2 - INTEL 907 (S2411) - (27.5 W.L.)

AES2 - INTELSAT 14 (S2785) - (45.0 W.L.)

AES2 - INTELSAT 18 (S2817) - (180 E.L.)

AES2 - INTELSAT 19 (S2850) - (166.0 E.L.)

AES2 - INTELSAT 20 - (68.5 E.L.)

AES2 - INTELSAT 21 (S2863) - (58.0 W.L.)

AES2 - INTELSAT 22 - (72.1 E. L.)

AES2 - INTELSAT 29e (S2913) - (50.0 W.L.)

AES2 - INTELSAT 33e (S2939) - (60.0 E.L.)

AES2 - INTELSAT 37e (S2972) - (18.0 W.L.)

AES2 - JCSAT-110A - (110 E. L.)

AES2 - JCSAT-2B - (154 E.L.)

AES2 - JCSAT-3A - (128 E.L.)

AES2 - OPTUS D2 - (152 E.L.)

AES2 - OTHER -

AES2 - OTHER -

AES2 - Yamal 401 - (90 E.L.)

Nature of Service: Fixed Satellite Service

ANTENNA ID: 2 8.1M.SC1 8.1 meters SATCOM 8.1M.

3700.0000 - 4200.0000 MHz	36M0G7W	DIGITAL VIDEO.AUDIO AND DATA
ANTENNA ID: 3-4.5M.SC2	4.5 meters SATCOM	4.5M.
3700.0000 - 4200.0000 MHz	36M0G7W	DIGITAL VIDEO.AUDIO AND DATA
ANTENNA ID: 4-4.2M.SC3	4.2 meters SATCOM	4.2M.
3700.0000 - 4200.0000 MHz	36M0G7W	DIGITAL VIDEO.AUDIO AND DATA
ANTENNA ID: 5-6.3M.SC4	6.3 meters SATCOM	6.3M.
3700.0000 - 4200.0000 MHz	36M0G7W	DIGITAL VIDEO.AUDIO AND DATA

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180717-02243 E E181395 Spectrum Mid-America, LLC

Registration

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

Spectrum Mid-America, LLC requests registration of fixed earth station to operate with Permitted List satellites in the 3700-4200 MHz frequency band. Spectrum Mid-America, LLC amended this application to add another C-band antenna and correct and update site information. See IBFS File No. SES-AMD-20181016-03241.

SITE ID: 1

LOCATION: 333 Mesa Ridge, Knott, Bulan, KY

37 ° 21 ' 26.00 " N LAT.

83 ° 6 ' 35.60 " W LONG.

ANTENNA ID: 1	5 meters	Antenna Technology Corp.	Simulsat 5M
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video, Audio, Data	
ANTENNA ID: 2	5 meters	Scientific-Atlanta	8008B
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video, Audio, Data	
ANTENNA ID: 3	4.6 meters	Andrew	ESA46
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video, Audio, Data	
ANTENNA ID: 4	4.6 meters	Scientific-Atlanta	8346
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video, Audio, Data	
ANTENNA ID: 5	4.5 meters	Andrew	ESA45
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video, Audio, Data	
ANTENNA ID: 6	4.5 meters	DH Satellite	4.5M

3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data	
ANTENNA ID:	7	4.5 meters	Scientific-Atlanta	8345
3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data	
ANTENNA ID:	8	3.8 meters	Comtech	934D0015-G5
3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data	
ANTENNA ID:	9	3.7 meters	Prodelin	1374
3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data	
ANTENNA ID:	10	1.8 meters	Patriot	TX-INT180KU
3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data	
ANTENNA ID:	11	2.7 meters	SA	80280
3700.0000 - 4200.0000 MHz		36M0G7W	Video, Audio, Data	

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180808-03826 E E190146 Sangre de Cristo Communications, LLC

Registration

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 2200 7th Avenue, Pueblo, Pueblo, CO

38 ° 17 ' 19.00 " N LAT.

104 ° 37 ' 21.00 " W LONG.

ANTENNA ID:	N1	7 meters	Scientific Atlanta	Unknown
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital video audio data
ANTENNA ID:	N2	4.5 meters	Scientific Atlanta	Unknown
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital video audio data
ANTENNA ID:	S3	3.8 meters	Patriot	Unknown
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital video audio data
ANTENNA ID:	S4	3.7 meters	AFC	Unknown
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital video audio data

ANTENNA ID:	S5	3.8 meters	Patriot	Unknown
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital video audio data
ANTENNA ID:	S7	3.8 meters	Patriot	Unknown
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital video audio data
ANTENNA ID:	S8	3.8 meters	Patriot	Unknown
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital video audio data

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180808-04048 E E190353 Idaho State Board of Education (Boise State University)
 Registration
Class of Station: Fixed Earth Stations
Nature of Service: Fixed Satellite Service

SITE ID: 1
 LOCATION: 220 E Parkcenter Blvd Boise, Idaho, Ada, Boise, ID
 43 ° 35 ' 58.00 " N LAT. 116 ° 11 ' 3.00 " W LONG.

ANTENNA ID:	1	3.8 meters	Comtek	934D0015-G2
	3700.0000 - 4200.0000 MHz		36M0G7W	Modulation and services digital audio

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180813-03864 E E190195 Sheldon Broadcasting Co. Inc.
 Registration
Class of Station: Fixed Earth Stations
Nature of Service: Fixed Satellite Service

SITE ID: 1
 LOCATION: 411 9th Street, O'Brien, Sheldon, IA
 43 ° 10 ' 49.80 " N LAT. 95 ° 51 ' 10.40 " W LONG.

ANTENNA ID:	Sheldon	3.8 meters	California Amplifier	140194
	3700.0000 - 4200.0000 MHz		36M0G7F	Digital

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180813-03865 E E190196 Noalmark Broadcasting Corp

Registration

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 402 N Washington, Columbia, Magnolia, AR

33 ° 16 ' 12.70 " N LAT.

93 ° 14 ' 22.92 " W LONG.

ANTENNA ID: ANT1 3.8 meters Comtec 829066-G2RC

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

3700.0000 - 4200.0000 MHz 36M0F8F 0.00 dBW Modulation and Services Analog Video
with associated subcarriers

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180813-03866 E E190197 Mississippi TV License Company, LLC

Registration

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 1359 Beech Springs Rd, Tupelo, MS

34 ° 19 ' 27.57 " N LAT.

88 ° 42 ' 44.80 " W LONG.

ANTENNA ID: WTVA 9 4.5 meters Patriot 4.5

3700.0000 - 4200.0000 MHz 36M0G7W

ANTENNA ID: WTVA 1 4.5 meters Scientific Atlanta 4.5M

3700.0000 - 4200.0000 MHz 36M0G7F

ANTENNA ID: WTVA 2 3.6 meters Prodelin 3.6

3700.0000 - 4200.0000 MHz 36M0G7W

ANTENNA ID: WTVA 3 5 meters Scientific Atlanta 5

3700.0000 - 4200.0000 MHz 36M0G7W

ANTENNA ID: WTVA 4 3.8 meters Patriot 3.8

3700.0000 - 4200.0000 MHz 36M0G7W

ANTENNA ID: WTVA 5-6 3 meters DH 3

3700.0000 - 4200.0000 MHz	36M0G7W			
ANTENNA ID: WTVA 7	3 meters	Orbitron		3
3700.0000 - 4200.0000 MHz	36M0G7W			
ANTENNA ID: WTVA 8	4.5 meters	Andrews		4.5
3700.0000 - 4200.0000 MHz	36M0G7W			

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180813-03867 E E190198 Noalmark Broadcasting Corp

Registration

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 2525 N West Ave, Union, El Dorado, AR

33 ° 14 ' 14.28 " N LAT.

92 ° 39 ' 54.72 " W LONG.

ANTENNA ID: ANT1 3.8 meters Comtec 829066-G2RC

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

3700.0000 - 4200.0000 MHz 36M0F8F 0.00 dBW Modulation and Services Analog Video with associated subcarriers

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180813-03868 E E190199 Lima Communications Corp

Registration

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 1424 Rice Avenue (Studio/Offices/MCR), Allen, Lima, OH

40 ° 44 ' 51.20 " N LAT.

84 ° 7 ' 54.30 " W LONG.

ANTENNA ID: 001 5 meters DH 50M

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital video

ANTENNA ID: 002 4.5 meters DH 45M

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Video

ANTENNA ID:	003	4.5 meters	DH	42M
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				Digital Video
ANTENNA ID:	004	3.7 meters	Andrew	AN37
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				Digital video
ANTENNA ID:	005	3 meters	Prodelin	1305
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				Digital video
ANTENNA ID:	006	3.4 meters	Prodelin	1345
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				Digital video
ANTENNA ID:	007	3.8 meters	Patriot	PT38
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				Digital video
ANTENNA ID:	008	4 meters	Patriot	PT40
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				Digital video

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180813-03869 E E190200 Terre Haute TV License Company, LLC

Registration

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 800 Ohio St. (WTHI-TV), Terre Haute, IN
39 ° 27 ' 56.07 " N LAT.

87 ° 24 ' 19.06 " W LONG.

ANTENNA ID:	WTHI 2	4.2 meters	DH	42DH1
	3700.0000 - 4200.0000 MHz		36M0G7W	NULL
ANTENNA ID:	WTHI 1	3.7 meters	DH	37DH1
	3700.0000 - 4200.0000 MHz		36M0G7W	NULL
ANTENNA ID:	WTHI 3	4.5 meters	DH	45DH1
	3700.0000 - 4200.0000 MHz		36M0G7W	NULL
ANTENNA ID:	WTHI 4	3.8 meters	Patriot	PRT-380

3700.0000 - 4200.0000 MHz	36M0G7W	NULL	
ANTENNA ID: WTHI 5	4.5 meters	Scientific Atlanta	8345
3700.0000 - 4200.0000 MHz	36M0G7W	NULL	
Points of Communication:			
1 - PERMITTED LIST - ()			
SES-REG-20180814-03880 E E190212 Ohio/Oklahoma Hearst Television Inc.			
Registration			
Class of Station: Fixed Earth Stations			
Nature of Service: Fixed Satellite Service			
SITE ID: 1			
LOCATION: 1300 E. Britton Road (KOCO-TV STUDIO), Oklahoma, Oklahoma City, OK			
35 ° 33 ' 49.10 " N LAT. 97 ° 29 ' 15.10 " W LONG.			
ANTENNA ID: Dish 1	3.7 meters	DH Satellite	3.7 meter
3700.0000 - 4200.0000 MHz	36M0G7W	Digital video, audio, data	
ANTENNA ID: Dish 6	4.5 meters	Andrew	ESA45-4A
3700.0000 - 4200.0000 MHz	36M0G7W	Digital video, audio, data	
ANTENNA ID: Dish 8	7 meters	Scientific Atlanta	7 meter
3700.0000 - 4200.0000 MHz	36M0G7W	Digital video, audio, data	
ANTENNA ID: Dish 14	3.1 meters	Patriot	PRT-310
3700.0000 - 4200.0000 MHz	36M0G7W	Digital video, audio, data	
Points of Communication:			
1 - PERMITTED LIST - ()			
SES-REG-20180814-03881 E E190213 WBAL Hearst Television Inc.			
Registration			
Class of Station: Fixed Earth Stations			
Nature of Service: Fixed Satellite Service			
SITE ID: 1			
LOCATION: 3800 Hooper Avenue (WBAL-TV STUDIO), Baltimore, Baltimore, MD			
39 ° 20 ' 5.30 " N LAT. 76 ° 38 ' 58.40 " W LONG.			
ANTENNA ID: Dish 1 7m	7 meters	Scientific Atlanta	7 meter
3700.0000 - 4200.0000 MHz	36M0G7W	Digital video, audio, data	

ANTENNA ID:	Dish 2 5m	5 meters	Andrew	5 meter
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital video, audio, data
ANTENNA ID:	Dish3 news	4.5 meters	Patriot	4.5 meter
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital video, audio, data
ANTENNA ID:	Dish4 NBC	3 meters	Comtech	3 meter
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital video, audio, data
ANTENNA ID:	Dish5 CNN	3 meters	Prodelin	3 meter
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital video, audio, data
ANTENNA ID:	Dish6 MeTV	3.7 meters	AFC	3.7 meter
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital video, audio, data
ANTENNA ID:	Dish7 Path	3.1 meters	Patriot	3.1 meter
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital video, audio, data
ANTENNA ID:	Dish8 PBlu	3 meters	Comtech	3 meter
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital video, audio, data

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180814-03883 E E190215 Hearst Properties Inc.

Registration

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 3970 RCA Blvd Suite 7007 (WPBF STUDIO), Palm Beach, Palm Beach Gardens, FL
26 ° 50 ' 11.70 " N LAT. 80 ° 5 ' 38.70 " W LONG.

ANTENNA ID:	ABC Main	7.3 meters	Andrew	ESA73
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital video, audio, data
ANTENNA ID:	C Band GP1	3 meters	Antesky	3 meter
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital video, audio, data
ANTENNA ID:	C Band GP2	7 meters	Microdyne	7 meter

3700.0000 - 4200.0000 MHz	36M0G7W	Digital video, audio, data
ANTENNA ID: C Band GP3	5 meters	Microdyne
3700.0000 - 4200.0000 MHz	36M0G7W	Digital video, audio, data
ANTENNA ID: Estrl Net1	3.7 meters	Prodelin
3700.0000 - 4200.0000 MHz	36M0G7W	Digital video, audio, data
ANTENNA ID: Justc Net1	4.5 meters	Scientific Atlanta
3700.0000 - 4200.0000 MHz	36M0G7W	Digital video, audio, data
ANTENNA ID: C Band GP4	4.5 meters	Patriot
3700.0000 - 4200.0000 MHz	36M0G7W	Digital video, audio, data

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180814-03885 E E190217 KCTN KADR Design Homes Inc
Registration

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 24493 HIGHWAY 128, CLAYTON, ELKADER, IA
42 ° 53 ' 6.20 " N LAT. 91 ° 19 ' 13.00 " W LONG.

ANTENNA ID: 1	3.7 meters	DH SATELLITE	37DH1
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3700.0000 - 4200.0000 MHz	36M0G7W	Digital Multiplex Carrier
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ANTENNA ID: 2	3 meters	DH SATELLITE	30DH1
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3700.0000 - 4200.0000 MHz	36M0G7W	Digital Multiplex Carrier
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Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180814-03886 E E190218 Disney Channel
Registration

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 3800 W. Alameda Ave, Los Angeles, Burbank, CA
34 ° 9 ' 13.00 " N LAT. 118 ° 20 ' 26.00 " W LONG.

ANTENNA ID:	E	3.8 meters	Comtech	3.8M
	3700.0000 - 4200.0000 MHz		36M0G7W	QPSK, 8PSK, DVB-S, DVB-S2, Audio, Video, Data

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180814-03887 E E190219 New Orleans Hearst Television Inc.
 Registration
Class of Station: Fixed Earth Stations
Nature of Service: Fixed Satellite Service

SITE ID: 1
 LOCATION: 846 Howard Avenue (WDSU STUDIO), Orleans, New Orleans, LA
 29 ° 56 ' 37.50 " N LAT. 90 ° 4 ' 28.70 " W LONG.

ANTENNA ID:	Dish 2	3 meters	Prodelin	3 meter
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital video, audio, data
ANTENNA ID:	Dish 3	4.5 meters	Scientific Atlanta	4.5 meter
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital video, audio, data
ANTENNA ID:	Dish 4	3.7 meters	Andrew	3.7 meter
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital video, audio, data
ANTENNA ID:	Dish 5	3.7 meters	Andrew	3.7 meter
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital video, audio, data
ANTENNA ID:	Dish 7	3 meters	Prodelin	3 meter
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital video, audio, data
ANTENNA ID:	Dish 8	4.5 meters	Patriot	4.5 meter
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital video, audio, data
ANTENNA ID:	Dish 9	3.1 meters	Patriot	3.1 meter
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital video, audio, data
ANTENNA ID:	Dish 10	3.8 meters	Patriot	3.8 meter
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital video, audio, data
ANTENNA ID:	Dish 11	3.8 meters	Patriot	3.8 meter

3700.0000 - 4200.0000 MHz	36M0G7W	Digital video, audio, data
Points of Communication:		
1 - PERMITTED LIST - ()		
SES-REG-20180814-03890 E E190222 New Orleans Hearst Television Inc.		
Registration		
Class of Station:	Fixed Earth Stations	
Nature of Service:	Fixed Satellite Service	
SITE ID:	1	
LOCATION:	221 E Josephine St (WDSU TOWER), St. Bernard, Chalmette, LA	
	29 ° 56 ' 59.60 " N LAT.	89 ° 57 ' 28.50 " W LONG.
ANTENNA ID:	Dish 2	3.7 meters AFC PR-12
3700.0000 - 4200.0000 MHz	36M0G7W	Digital video, audio, data
ANTENNA ID:	Dish 3	5 meters Viking 5 meter
3700.0000 - 4200.0000 MHz	36M0G7W	Digital video, audio, data
Points of Communication:		
1 - PERMITTED LIST - ()		
SES-REG-20180815-03891 E E190223 Lovcom, Inc.		
Registration		
Class of Station:	Fixed Earth Stations	
Nature of Service:	Fixed Satellite Service	
SITE ID:	1	
LOCATION:	1716 Kroe Lane, Sheridan, Sheridan, WY	
	44 ° 47 ' 55.40 " N LAT.	106 ° 55 ' 51.40 " W LONG.
ANTENNA ID:	DH 1	3.8 meters DH Satellite 38DH1
3700.0000 - 4200.0000 MHz	36M0G7W	Digital
ANTENNA ID:	DH2	3.8 meters DH Satellite 38DH1
3700.0000 - 4200.0000 MHz	36M0G7W	Digital
Points of Communication:		
1 - PERMITTED LIST - ()		
SES-REG-20180830-04134 E E190441 Consolidated Communications Enterprise Services, Inc.		
Registration		
Class of Station:	Fixed Earth Stations	

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 5411 Luce Avenue McClellan, USA, Sacramento, CA
41 ° 31 ' 59.55 " N LAT. 80 ° 52 ' 6.51 " W LONG.

ANTENNA ID: 1 5.5 meters AFC 5.5m

3700.0000 - 4200.0000 MHz 36M0G7W Analog and digital video

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180830-04135 E E190442 Consolidated Communications Enterprise Services, Inc.

Registration

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 5411 Luce Avenue McClellan, USA, Sacramento, CA
41 ° 31 ' 59.55 " N LAT. 80 ° 52 ' 6.51 " W LONG.

ANTENNA ID: 1 3.7 meters Prodelin 3.7m

3700.0000 - 4200.0000 MHz 36M0G7W Analog and digital video

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180830-04136 E E190443 Consolidated Communications Enterprise Services, Inc.

Registration

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 5411 Luce Avenue McClellan, USA, Sacramento, CA
41 ° 31 ' 59.55 " N LAT. 80 ° 52 ' 6.61 " W LONG.

ANTENNA ID: 1 4 meters Unimesh 4m

3700.0000 - 4200.0000 MHz 36M0G7W Analog and digital video

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180917-03896 E E190228 University of Houston System

Registration

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 4343 Elgin St (KUHF1), Harris, Houston, TX

29 ° 43 ' 35.04 " N LAT.

95 ° 20 ' 18.96 " W LONG.

ANTENNA ID: KUHF1 8.5 meters Comtech 5meter

3700.0000 - 4200.0000 MHz 60K0G7W NULL

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181004-03642 E E190024 KSWO License Subsidiary, LLC

Registration

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 1401 SE 60th St, Comanche, Lawton, OK

34 ° 35 ' 32.80 " N LAT.

98 ° 19 ' 6.20 " W LONG.

ANTENNA ID: 7.3M 7.3 meters Andrew Corporation ESA73

3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

ANTENNA ID: 3.7M 3.7 meters Prodelin 1374

3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

ANTENNA ID: 4.5M 4.5 meters Scientific Atlanta 8345

3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

ANTENNA ID: 3.7D 3.7 meters DH Satellite 37DH1

3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

ANTENNA ID: 5.0M 5 meters DH Satellite 50DH1

3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

ANTENNA ID: 4.5A 4.5 meters Andrew ESA4.5

3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

ANTENNA ID: 3.1M 3.1 meters Patriot PRT-310

3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

ANTENNA ID:	2.4M	2.4 meters	Prodelin	1252
3700.0000 - 4200.0000 MHz		36M0G7W		Digital Video Carrier

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181212-03778 E E190087 CoxCom, LLC

Registration

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 6650 East 44th Street, Tulsa, Tulsa, OK

36 ° 5 ' 56.70 " N LAT.

95 ° 54 ' 4.70 " W LONG.

ANTENNA ID:	4.5M.	4.5 meters	SCIENTIFIC-ATLANTA, INC	4.5 meter
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3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video Carrier
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Points of Communication:

1 - PERMITTED LIST - ()

SES-STA-20190516-00668 E E170122 Intelsat License LLC

Special Temporary Authority

Class of Station:

Intelsat License LLC requests special temporary authority for 180 days to operate its fixed earth station in Ellenwood, GA to provide launch and early orbit phase service for the Eutelsat-7C satellite, and conduct telemetry, tracking, and command services during in-orbit testing and as the satellite drifts to its final orbital location. LEOP operations will be performed on the following frequencies: 11199.0 MHz, 11200.6 MHz, 11698.2 MHz, and 11699.0 MHz (space-to-Earth), and 13750.40 MHz, 13999.25 MHz, 14250.00 MHz, and 14499.80 MHz (Earth-to-space).

Points of Communication:

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