



PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION
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Report No. SES-01978

Wednesday August 2, 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-LIC-20170609-00636 E E170118 Telstra Broadcast Services

Application for Authority

Class of Station: Temporary Fixed Earth Station

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: Various

0 ° 0 ' 0.00 " N LAT.

0 ° 0 ' 0.00 " W LONG.

ANTENNA ID: 1 1.2 meters Holkirk TP120

14000.0000 - 14500.0000 MHz 18M0G7W 68.90 dBW Digital video

Points of Communication:

1 - PERMITTED LIST - ()

SES-LIC-20170626-00682 E E170121 Intelsat License LLC

Application for Authority

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

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

Intelsat License LLC (Intelsat) requests an earth stations aboard aircraft (ESAA) blanket license to operate with two Ku-band ESAA terminal types, the 18-inch Rantec Airborne SATCOM terminal and the TECOM KuStream 1500 terminal. Specifically, Intelsat requests downlinks with the following space stations: Intelsat 14 (S2785) at 45° W.L. in Regions 1 and 2 in the 11.45-11.95 GHz frequency band; Intelsat 17 (S2814) at 66° E.L., and Intelsat 20 (S2847) at 68.5° E.L. in Regions 1 and 3 in the 10.95-11.2, 11.45-11.7, and 12.5-12.75 GHz frequency bands; Intelsat 18 (S2817) at 180° E.L. in Regions 2 and 3 in the 10.95-11.2, 11.45-11.7, 12.25-12.75 GHz frequency bands; Intelsat 19 (S2850) at 166° E.L. in Regions 2 and 3 in the 12.25-12.75 GHz frequency bands; Intelsat 21 (S2863) at 58° W.L. and Intelsat 34 (S2915) at 55.5° W.L. in Regions 1 and 2 in the 11.45 - 11.7 GHz frequency band; Intelsat 22 (S2846) at 72.1° E.L. in Regions 1 and 3 in the 11.45-11.7, and 12.25-12.75 GHz frequency bands; Intelsat 23 (S2831) at 53° W.L. in Region 2 in the 11.45-11.7, and 11.7-12.2 GHz frequency bands; Intelsat 29e (S2913) at 50° W.L. in Regions 1 and 2, and Intelsat 33e (S2939) at 60° E.L. in Regions 1 and 3 in the 10.95-11.2, 11.45-11.7, and 11.7-12.2 GHz frequency bands; Intelsat 35 (S2959) at 34.5° W.L. in Regions 1 and 2 in the 10.95-11.2, and 11.45-11.7 GHz frequency bands; Intelsat 37e (S2972) at 18° W.L. Regions 1, 2, and 3 in the 10.95-11.2, 11.45-11.7, 11.7-11.95, and 12.50-12.75 GHz frequency bands; Horizons-3e (S2947) at 169° E.L. in Regions 2 and 3 in the 10.95-11.2, 11.45-11.7, 12.2-12.25, 12.25-12.75 GHz frequency band; Galaxy-19 (S2647) at 97° W.L. in Region 2, SKY-B1 (S2922) at 43.15° W.L. in Regions 1 and 2, and Horizons-1 (S2475) at 127° W.L. in Regions 2 and 3 in the 11.7-12.2 GHz frequency band. Intelsat is also requesting authority to operate its ESAA terminals with all U.S.-licensed satellites and non-U.S. licensed satellites on the Commission's Permitted Space Station List. Additionally, Intelsat requests to operate all terminals in the 14.0-14.5 GHz (Earth-to-space) frequency band. IS-21 (S2863) at 58° W.L. and IS-34 (S2915) at 55.5° W.L. will be limited to 14.0-14.25 (Earth-to-space) frequency band. Intelsat requests a partial waiver of the Section 25.115(g) (1) (i) requirement to provide off-axis ESD plots.

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 - 14500.0000 MHz	375KG7W	34.10 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 - 12200.0000 MHz	1M20G7W	0.00 dBW	Digital Data Services
	11450.0000 - 11700.0000 MHz	54M0G7W	0.00 dBW	Digital Data Services
	11450.0000 - 11700.0000 MHz	18M0G7W	0.00 dBW	Digital Data Services
	11450.0000 - 11700.0000 MHz	1M20G7W	0.00 dBW	Digital Data Services
	10950.0000 - 11200.0000 MHz	54M0G7W	0.00 dBW	Digital Data Services
	10950.0000 - 11200.0000 MHz	18M0G7W	0.00 dBW	Digital Data Services
	10950.0000 - 11200.0000 MHz	1M20G7W	0.00 dBW	Digital Data Services
	12250.0000 - 12750.0000 MHz	54M0G7W	0.00 dBW	Digital Data Services
	12250.0000 - 12750.0000 MHz	18M0G7W	0.00 dBW	Digital Data Services
	12250.0000 - 12750.0000 MHz	1M20G7W	0.00 dBW	Digital Data Services
	12500.0000 - 12750.0000 MHz	54M0G7W	0.00 dBW	Digital Data Services
	12500.0000 - 12750.0000 MHz	18M0G7W	0.00 dBW	Digital Data Services
	12500.0000 - 12750.0000 MHz	1M20G7W	0.00 dBW	Digital Data Services

11450.0000 - 11950.0000 MHz	54M0G7W	0.00 dBW	Digital Data Services
11450.0000 - 11950.0000 MHz	18M0G7W	0.00 dBW	Digital Data Services
11450.0000 - 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
11700.0000 - 11950.0000 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
12200.0000 - 12250.0000 MHz	1M20G7W	0.00 dBW	Digital Data Services
14000.0000 - 14250.0000 MHz	2M59G7W	42.50 dBW	Digital Data Services
14000.0000 - 14250.0000 MHz	375KG7W	34.10 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	7M05G7W	43.40 dBW	Digital Data Services	
14000.0000 - 14500.0000 MHz	375KG7W	30.60 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 - 12200.0000 MHz	1M20G7W	0.00 dBW	Digital Data Services	
11450.0000 - 11700.0000 MHz	54M0G7W	0.00 dBW	Digital Data Services	
11450.0000 - 11700.0000 MHz	18M0G7W	0.00 dBW	Digital Data Services	
11450.0000 - 11700.0000 MHz	1M20G7W	0.00 dBW	Digital Data Services	
10950.0000 - 11200.0000 MHz	54M0G7W	0.00 dBW	Digital Data Services	
10950.0000 - 11200.0000 MHz	18M0G7W	0.00 dBW	Digital Data Services	
10950.0000 - 11200.0000 MHz	1M20G7W	0.00 dBW	Digital Data Services	
12500.0000 - 12750.0000 MHz	54M0G7W	0.00 dBW	Digital Data Services	

12500.0000 - 12750.0000 MHz	18M0G7W	0.00 dBW	Digital Data Services
12500.0000 - 12750.0000 MHz	1M20G7W	0.00 dBW	Digital Data Services
12250.0000 - 12750.0000 MHz	54M0G7W	0.00 dBW	Digital Data Services
12250.0000 - 12750.0000 MHz	18M0G7W	0.00 dBW	Digital Data Services
12250.0000 - 12750.0000 MHz	1M20G7W	0.00 dBW	Digital Data Services
11450.0000 - 11950.0000 MHz	54M0G7W	0.00 dBW	Digital Data Services
11450.0000 - 11950.0000 MHz	18M0G7W	0.00 dBW	Digital Data Services
11450.0000 - 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
11700.0000 - 11950.0000 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
12200.0000 - 12250.0000 MHz	1M20G7W	0.00 dBW	Digital Data Services
14000.0000 - 14250.0000 MHz	7M05G7W	43.40 dBW	Digital Data Services
14000.0000 - 14250.0000 MHz	375KG7W	30.60 dBW	Digital Data Services

Points of Communication:

Rantec Remotes - GALAXY 19 (S2647) - (97 W.L.)

Rantec Remotes - HORIZONS 1 - (127 WL)

Rantec Remotes - HORIZONS-3 (S2947) - (169 E.L.)

Rantec Remotes - INTELSAT 14 (S2785) - (45.0 W.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 - OTHER -

Rantec Remotes - OTHER -

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 - (127 WL)

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

TECOM Remotes - INTELSAT 14 (S2785) - (45.0 W.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 - OTHER -

TECOM Remotes - OTHER -

TECOM Remotes - PERMITTED LIST - ()

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

SES-LIC-20170707-00740 E E170122 Intelsat License LLC

Application for Authority

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: ATL-K28
 LOCATION: 2857 Fork Creek Church Road, Clayton, Ellenwood, GA
 33 ° 39 ' 52.80 " N LAT. 84 ° 16 ' 12.00 " W LONG.

ANTENNA ID:	K28	16.4 meters	General Dynamics	16.4 FMA
	12750.0000 - 13250.0000 MHz	36M0G7W	83.30 dBW	Digital Data
	12750.0000 - 13250.0000 MHz	62M5G7W	83.30 dBW	Digital Data
	12750.0000 - 13250.0000 MHz	1M00G7W	83.30 dBW	Digital Data
	13750.0000 - 13770.0000 MHz	36M0G7W	85.00 dBW	Digital Data
	13750.0000 - 13770.0000 MHz	62M5G7W	85.00 dBW	Digital Data
	13750.0000 - 13770.0000 MHz	1M00G7W	85.00 dBW	Digital Data
	13249.5000 - 13249.5000 MHz	850KG7D	83.30 dBW	TT&C
	14498.5000 - 14498.5000 MHz	850KG7D	74.50 dBW	TT&C
	10950.0000 - 11200.0000 MHz	36M0G7W		Digital Data
	11450.0000 - 12200.0000 MHz	36M0G7W		Digital Data
	10950.0000 - 11200.0000 MHz	62M5G7W		Digital Data
	11450.0000 - 12200.0000 MHz	62M5G7W		Digital Data
	10950.0000 - 11200.0000 MHz	1M00G7W		Digital Data
	11450.0000 - 12200.0000 MHz	1M00G7W		Digital Data
	14494.5000 - 14494.5000 MHz	850KG7D	74.50 dBW	TT&C
	14000.5000 - 14000.5000 MHz	850KG7D	74.50 dBW	TT&C
	13246.5000 - 13246.5000 MHz	850KG7D	83.30 dBW	TT&C
	13995.5000 - 13995.5000 MHz	850KG7D	85.00 dBW	TT&C
	13750.5000 - 13750.5000 MHz	850KG7D	85.00 dBW	TT&C
	13994.5000 - 13994.5000 MHz	850KG7D	85.00 dBW	TT&C
	13997.5000 - 13997.5000 MHz	850KG7D	85.00 dBW	TT&C
	14499.5000 - 14499.5000 MHz	850KG7D	74.50 dBW	TT&C
	14001.0000 - 14001.0000 MHz	850KG7D	74.50 dBW	TT&C

14496.5000 - 14496.5000 MHz	850KG7D	74.50 dBW	TT&C
11200.0000 - 11450.0000 MHz	36M0G7W		Digital Data
13753.0000 - 13753.0000 MHz	850KG7D	85.00 dBW	TT&C
14003.0000 - 14003.0000 MHz	850KG7D	74.50 dBW	TT&C
14497.0000 - 14497.0000 MHz	850KG7D	74.50 dBW	TT&C
11700.5000 - 11700.5000 MHz	850KG7D		TT&C
11702.0000 - 11702.0000 MHz	850KG7D		TT&C
11448.0000 - 11448.0000 MHz	850KG7D		TT&C
11449.0000 - 11449.0000 MHz	850KG7D		TT&C
11451.2500 - 11451.2500 MHz	850KG7D		TT&C
11451.7500 - 11451.7500 MHz	850KG7D		TT&C
11453.2500 - 11453.2500 MHz	850KG7D		TT&C
11453.7500 - 11453.7500 MHz	850KG7D		TT&C
12198.2500 - 12198.2500 MHz	850KG7D		TT&C
12198.7500 - 12198.7500 MHz	850KG7D		TT&C
11700.7500 - 11700.7500 MHz	850KG7D		TT&C
11702.2500 - 11702.2500 MHz	850KG7D		TT&C
11696.0000 - 11696.0000 MHz	850KG7D		TT&C
11697.0000 - 11697.0000 MHz	850KG7D		TT&C
11702.0000 - 11702.0000 MHz	850KG7D		TT&C
11703.0000 - 11703.0000 MHz	850KG7D		TT&C
11705.5000 - 11705.5000 MHz	850KG7D		TT&C
12198.0000 - 12198.0000 MHz	850KG7D		TT&C
11200.0000 - 11450.0000 MHz	62M5G7W		Digital Data
11200.0000 - 11450.0000 MHz	1M00G7W		Digital Data
13770.0000 - 13780.0000 MHz	36M0G7W	78.60 dBW	Digital Data

13770.0000 - 13780.0000 MHz	62M5G7W	81.00 dBW	Digital Data
13780.0000 - 14500.0000 MHz	36M0G7W	85.00 dBW	Digital Data
13780.0000 - 14500.0000 MHz	62M5G7W	85.00 dBW	Digital Data
13780.0000 - 14500.0000 MHz	1M00G7W	75.20 dBW	Digital Data

Points of Communication:

ATL-K28 - GALAXY 16 (S2687) - (99 W.L.)

ATL-K28 - GALAXY 17 (S2715) - (91 W.L.)

ATL-K28 - GALAXY 18 - (123 W.L.)

ATL-K28 - GALAXY 19 (S2647) - (97 W.L.)

ATL-K28 - GALAXY 23 (S2592) - (121 W.L.)

ATL-K28 - GALAXY 25 (S2154) - (93.1 W.L.)

ATL-K28 - GALAXY 28 (S2160) - (89.0 W.L.)

ATL-K28 - GALAXY 3C (S2381) - (95.05 W.L.)

ATL-K28 - HORIZONS 1 - (127 WL)

ATL-K28 - INTELSAT 11 (S2237) - (43.0 W.L.)

ATL-K28 - INTELSAT 14 (S2785) - (45.0 W.L.)

ATL-K28 - INTELSAT 16 (S2750) - (58.10 W.L.)

ATL-K28 - INTELSAT 21 (S2863) - (58.0 W.L.)

ATL-K28 - INTELSAT 23 - (53 W. L.)

ATL-K28 - INTELSAT 29e (S2913) - (50.0 W.L.)

ATL-K28 - INTELSAT 30 (S2887) - (95.05 W.L.)

ATL-K28 - INTELSAT 31 (S2924) - (95.05 W.L.)

ATL-K28 - INTELSAT 34(S2915) - (55.5 W.L.)

ATL-K28 - INTELSAT 35e(S2959) - (34.5 W.L.)

ATL-K28 - INTELSAT 37e (S2972) - (18.0 W.L.)

ATL-K28 - INTELSAT 9 (S2380) - (29.5 W.L.)

ATL-K28 - OTHER -

ATL-K28 - PERMITTED LIST - ()

ATL-K28 - PERMITTED LIST - ()

ATL-K28 - SKY-B1(S2922) - (43.15 W.L.)

ATL-K28 - TELSTAR 11N (S2357) - (37.5 W.L.)

SES-LIC-20170710-00745 E E170123 Skyview Satellite Networks

Application for Authority

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 1850 W Deer Valley Rd, Maricopa, Phoenix, AZ

33 ° 41 ' 6.30 " N LAT.

112 ° 5 ' 50.60 " W LONG.

ANTENNA ID:	1	4.2 meters	Anderson Manufacturing	4.2 Meter
	3700.0000 - 4200.0000 MHz		3M52G7W	0.00 dBW
				di
	5925.0000 - 5989.5000 MHz		3M52G7W	63.40 dBW
				Digital Data
	6049.1500 - 6182.2400 MHz		3M52G7W	63.40 dBW
				Digital Data
	6390.1000 - 6425.0000 MHz		3M52G7W	63.40 dBW
				Digital Data

Points of Communication:

1 - PERMITTED LIST - ()

SES-LIC-20170710-00746 E E170124 Skyview Satellite Networks

Application for Authority

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 14605 N Airport Drive Suite 370, Maricopa, Scottsdale, AZ

33 ° 37 ' 1.00 " N LAT.

111 ° 55 ' 14.50 " W LONG.

ANTENNA ID:	1	4.2 meters	Anderson Manufacturing	4.2 Meter
	3700.0000 - 4200.0000 MHz		3M52G7W	
				Digital Data
	5925.0000 - 6425.0000 MHz		3M52G7W	70.40 dBW
				Digital Data

Points of Communication:

1 - PERMITTED LIST - ()

SES-LIC-20170721-00791 E E170136 Digital Comm Link, Inc.

Application for Authority

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 10450 State Road, Broward, Davie, FL

26 ° 6 ' 23.20 " N LAT.

80 ° 17 ' 16.20 " W LONG.

ANTENNA ID:	1	13 meters	RSI	1130C	
	3700.0000 - 4200.0000 MHz		2M00G7W	Digital Data Carrier	
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Data Carrier	
	5925.0000 - 6425.0000 MHz		2M00G7W	67.80 dBW	Digital Data Carrier
	5925.0000 - 6425.0000 MHz		36M0G7W	76.70 dBW	Digital Data Carrier
ANTENNA ID:	2	9.1 meters	Andrews	ESA91	
	3700.0000 - 4200.0000 MHz		2M00G7W	Digital Data Carrier	
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Data Carrier	
	5925.0000 - 6425.0000 MHz		2M00G7W	65.90 dBW	Digital Data Carrier
	5925.0000 - 6425.0000 MHz		36M0G7W	74.80 dBW	Digital Data Carrier
ANTENNA ID:	3	7.3 meters	General Dynamics	Satcom 7.3m	
	3700.0000 - 4200.0000 MHz		2M00G7W	Digital Data Carrier	
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Data Carrier	
	5925.0000 - 6425.0000 MHz		2M00G7W	63.80 dBW	Digital Data Carrier
	5925.0000 - 6425.0000 MHz		36M0G7W	72.70 dBW	Digital Data Carrier
ANTENNA ID:	4	3.8 meters	Prodelin	1383	
	3700.0000 - 4200.0000 MHz		2M00G7W	Digital Data Carrier	
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Data Carrier	
	5925.0000 - 6425.0000 MHz		2M00G7W	58.20 dBW	Digital Data Carrier
	5925.0000 - 6425.0000 MHz		36M0G7W	67.20 dBW	Digital Data Carrier
ANTENNA ID:	5	2.4 meters	Channel Master	243	
	3700.0000 - 4200.0000 MHz		2M00G7W	Digital Data Carrier	
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Data Carrier	

5925.0000 - 6425.0000 MHz	2M00G7W	54.00 dBW	Digital Data Carrier
5925.0000 - 6425.0000 MHz	36M0G7W	62.90 dBW	Digital Data Carrier

Points of Communication:

1 - PERMITTED LIST - ()

SES-LIC-20170731-00833 E E170144 Cox Media Group Northeast, LLC

Application for Authority

Class of Station: Temporary Fixed Earth Station

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: (WFXT), Various

ANTENNA ID: WFXT	1.4 meters	AVL Technologies	1410K
14000.0000 - 14500.0000 MHz	36M0G7W	65.47 dBW	One 36 Mbit MCPC digital carrier for voice/data with an emission designator of 36M0G7W

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20170522-00580 E E130021 O3b Limited

Application for Modification

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

O3b Limited requests modification of its fixed earth station in Vernon, TX to add an identical co-located antenna to communicate with the current licensed satellites and frequencies.

SITE ID: Texas Gateway

LOCATION: 2719 County Rd 93 S, Wilbarger, South Vernon, TX
34 ° 13 ' 4.73 " N LAT. 99 ° 23 ' 46.53 " W LONG.

ANTENNA ID: Ant 1-4	7.3 meters	Viasat	MEO7
29087.8000 - 29089.1000 MHz	500KG2D	85.14 dBW	TT&C
28600.0000 - 29100.0000 MHz	307KG7D	52.29 dBW	DVB-S2 (QPSK, 8APSK, 16APSK, 32APSK); Digital Data Link
28600.0000 - 29100.0000 MHz	40M0G7D	87.29 dBW	DVB-S2 (QPSK, 8APSK, 16APSK, 32APSK); Digital Data Link
28600.0000 - 29100.0000 MHz	216MG7D	87.29 dBW	DVB-S2 (QPSK, 8APSK, 16APSK, 32APSK); Digital Data Link

27600.0000 - 28400.0000 MHz	307KG7D	52.29 dBW	DVB-S2 (QPSK, 8APSK, 16APSK, 32APSK); Digital Data Link
27600.0000 - 28400.0000 MHz	216MG7D	87.29 dBW	DVB-S2 (QPSK, 8APSK, 16APSK, 32APSK); Digital Data Link
19296.2000 - 19299.9000 MHz	300KG1D		TT&C
18800.0000 - 19300.0000 MHz	307KG7D	0.00 dBW	DVB-S2 (QPSK, 8APSK, 16APSK, 32APSK); Digital Data Link
18800.0000 - 19300.0000 MHz	40M0G7D	0.00 dBW	DVB-S2 (QPSK, 8APSK, 16APSK, 32APSK); Digital Data Link
18800.0000 - 19300.0000 MHz	216MG7D	0.00 dBW	DVB-S2 (QPSK, 8APSK, 16APSK, 32APSK); Digital Data Link
17800.0000 - 18600.0000 MHz	307KG7D	0.00 dBW	DVB-S2 (QPSK, 8APSK, 16APSK, 32APSK); Digital Data Link
17800.0000 - 18600.0000 MHz	216MG7D	0.00 dBW	DVB-S2 (QPSK, 8APSK, 16APSK, 32APSK); Digital Data Link

Points of Communication:

Texas Gateway - O3B-A (S2935) - (Eq. NGSO)

~~SES-MOD-20170522-00581~~ E E100088 O3b Limited

Application for Modification

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

O3b Limited requests modification of its fixed earth station in Haleiwa, HI to add an identical co-located antenna to communicate with the current licensed satellites and frequencies.

SITE ID: Hawaii Gateway

LOCATION: 58-350 Kamehameha Hwy, Honolulu, Haleiwa, HI

21 ° 40 ' 17.80 " N LAT.

158 ° 1 ' 54.90 " W LONG.

ANTENNA ID: Ant 1-4 7.3 meters Viasat MEO7

29087.8000 - 29089.1000 MHz	500KG2D	85.14 dBW	TT&C
28600.0000 - 29100.0000 MHz	307KG7D	52.29 dBW	DVB-S2 (QPSK, 8APSK, 16APSK, 32APSK); Digital Data Link
28600.0000 - 29100.0000 MHz	40M0G7D	87.29 dBW	DVB-S2 (QPSK, 8APSK, 16APSK, 32APSK); Digital Data Link
28600.0000 - 29100.0000 MHz	216MG7D	87.29 dBW	DVB-S2 (QPSK, 8APSK, 16APSK, 32APSK); Digital Data Link

27600.0000 - 28400.0000 MHz	307KG7D	52.29 dBW	DVB-S2 (QPSK, 8APSK, 16APSK, 32APSK); Digital Data Link
27600.0000 - 28400.0000 MHz	216MX7D	87.29 dBW	DVB-S2 (QPSK, 8APSK, 16APSK, 32APSK); Digital Data Link
19296.2000 - 19299.9000 MHz	300KG1D	0.00 dBW	TT&C
18800.0000 - 19300.0000 MHz	307KG7D	0.00 dBW	DVB-S2 (QPSK, 8APSK, 16APSK, 32APSK); Digital Data Link
18800.0000 - 19300.0000 MHz	40M0G7D	0.00 dBW	DVB-S2 (QPSK, 8APSK, 16APSK, 32APSK); Digital Data Link
18800.0000 - 19300.0000 MHz	216MG7D	0.00 dBW	DVB-S2 (QPSK, 8APSK, 16APSK, 32APSK); Digital Data Link
17800.0000 - 18600.0000 MHz	307KG7D	0.00 dBW	DVB-S2 (QPSK, 8APSK, 16APSK, 32APSK); Digital Data Link
17800.0000 - 18600.0000 MHz	216MG7D	0.00 dBW	DVB-S2 (QPSK, 8APSK, 16APSK, 32APSK); Digital Data Link

Points of Communication:

Hawaii Gateway - O3B-A (S2935) - (Eq. NGSO)

SES-MOD-20170706-00732 E E080108 GATR Technologies

Application for Modification

Class of Station: VSAT Network

Nature of Service: Fixed Satellite Service

GATR Technologies, Inc. requests modification of its VSAT Network authorization to add a new type of antenna, See Antenna ID "5". This VSAT network will continue 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: Remote4

LOCATION: (4.0METER), 50 UNITS, CONUS, AK, HI

ANTENNA ID: 4	4 meters	GATR	GATR-COM4.0
14000.0000 - 14500.0000 MHz	32M0G7W	73.60 dBW	DIGITAL DATA, VOICE, AND VIDEO
14000.0000 - 14500.0000 MHz	7M26G7W	67.20 dBW	DIGITAL DATA, VOICE, AND VIDEO
14000.0000 - 14500.0000 MHz	6M67G7W	66.80 dBW	DIGITAL DATA, VOICE, AND VIDEO
14000.0000 - 14500.0000 MHz	512KG7W	55.70 dBW	DIGITAL DATA, VOICE, AND VIDEO
14000.0000 - 14500.0000 MHz	3M86G7W	64.40 dBW	DIGITAL DATA, VOICE, AND VIDEO
14000.0000 - 14500.0000 MHz	24M0G7W	72.40 dBW	DIGITAL DATA, VOICE, AND VIDEO

14000.0000 - 14500.0000 MHz	1M00G7W	58.60 dBW	DIGITAL DATA, VOICE, AND VIDEO
14000.0000 - 14500.0000 MHz	16M0G7W	70.60 dBW	DIGITAL DATA, VOICE, AND VIDEO
14000.0000 - 14500.0000 MHz	128KG7W	49.70 dBW	DIGITAL DATA, VOICE, AND VIDEO
14000.0000 - 14500.0000 MHz	10M0G7W	68.60 dBW	DIGITAL DATA, VOICE, AND VIDEO
11700.0000 - 12200.0000 MHz	7M26G7W		DIGITAL DATA, VOICE, AND VIDEO
11700.0000 - 12200.0000 MHz	6M67G7W		DIGITAL DATA, VOICE, AND VIDEO
11700.0000 - 12200.0000 MHz	512KG7W		DIGITAL DATA, VOICE, AND VIDEO
11700.0000 - 12200.0000 MHz	3M86G7W		DIGITAL DATA, VOICE, AND VIDEO
11700.0000 - 12200.0000 MHz	32M0G7W		DIGITAL DATA, VOICE, AND VIDEO
11700.0000 - 12200.0000 MHz	24M0G7W		DIGITAL DATA, VOICE, AND VIDEO
11700.0000 - 12200.0000 MHz	1M00G7W		DIGITAL DATA, VOICE, AND VIDEO
11700.0000 - 12200.0000 MHz	16M0G7W		DIGITAL DATA, VOICE, AND VIDEO
11700.0000 - 12200.0000 MHz	128KG7W		DIGITAL DATA, VOICE, AND VIDEO
11700.0000 - 12200.0000 MHz	10M0G7W		DIGITAL DATA, VOICE, AND VIDEO

SITE ID: Remote1
LOCATION: (2.4METER), 250 UNITS, CONUS, AK, HI, GA

ANTENNA ID: 1	2.4 meters	GATR	GATR-COM2.4
14000.0000 - 14500.0000 MHz	7M62G7W	60.14 dBW	DIGITAL DATA, VOICE, AND VIDEO
14000.0000 - 14500.0000 MHz	3M86G7W	60.14 dBW	DIGITAL DATA, VOICE, AND VIDEO
14000.0000 - 14500.0000 MHz	56K0G7W	45.60 dBW	DIGITAL DATA, VOICE, AND VIDEO
11700.0000 - 12200.0000 MHz	7M62G7W		DIGITAL DATA, VOICE, AND VIDEO
11700.0000 - 12200.0000 MHz	3M86G7W		DIGITAL DATA, VOICE, AND VIDEO
11700.0000 - 12200.0000 MHz	56K0G7W		DIGITAL DATA, VOICE, AND VIDEO

SITE ID: Remote2
LOCATION: (1.8METER), 250 UNITS, CONUS, AK, HI

ANTENNA ID: 2	1.8 meters	GATR	GATR-COM1.8
14000.0000 - 14500.0000 MHz	320KG7W	49.20 dBW	DIGITAL DATA, VOICE, AND VIDEO

14000.0000 - 14500.0000 MHz	6M67G7W	59.40 dBW	DIGITAL DATA, VOICE, AND VIDEO
14000.0000 - 14500.0000 MHz	56K0G7W	43.20 dBW	DIGITAL DATA, VOICE, AND VIDEO
11700.0000 - 12200.0000 MHz	320KG7W		DIGITAL DATA, VOICE, AND VIDEO
11700.0000 - 12200.0000 MHz	6M67G7W		DIGITAL DATA, VOICE, AND VIDEO
11700.0000 - 12200.0000 MHz	56K0G7W		DIGITAL DATA, VOICE, AND VIDEO

SITE ID: Remote3
LOCATION: (1.2METER), 250 UNITS, CONUS, AK, HI

ANTENNA ID: 3	1.2 meters	GATR	GATR-COM1.2
14000.0000 - 14500.0000 MHz	320KG7W	44.60 dBW	DIGITAL DATA, VOICE, AND VIDEO
14000.0000 - 14500.0000 MHz	3M86G7W	55.40 dBW	DIGITAL DATA, VOICE, AND VIDEO
14000.0000 - 14500.0000 MHz	56K0G7W	37.10 dBW	DIGITAL DATA, VOICE, AND VIDEO
14000.0000 - 14500.0000 MHz	6M67G7W	57.80 dBW	DIGITAL DATA, VOICE, AND VIDEO
14000.0000 - 14500.0000 MHz	7M26G7W	57.80 dBW	DIGITAL DATA, VOICE, AND VIDEO
11700.0000 - 12200.0000 MHz	320KG7W		DIGITAL DATA, VOICE, AND VIDEO
11700.0000 - 12200.0000 MHz	3M86G7W		DIGITAL DATA, VOICE, AND VIDEO
11700.0000 - 12200.0000 MHz	56K0G7W		DIGITAL DATA, VOICE, AND VIDEO
11700.0000 - 12200.0000 MHz	6M67G7W		DIGITAL DATA, VOICE, AND VIDEO
11700.0000 - 12200.0000 MHz	7M26G7W		DIGITAL DATA, VOICE, AND VIDEO

SITE ID: Remote5
LOCATION: (0.75METER), 250 UNITS, CONUS, AK, HI

ANTENNA ID: 5	0.75 meters	GATR TECHNOLOGIES	GATR-FLEX-0.75M.
14000.0000 - 14500.0000 MHz	7M26G7W	50.06 dBW	DIGITAL DATA, VOICE, AND VIDEO
14000.0000 - 14500.0000 MHz	6M67G7W	49.69 dBW	DIGITAL DATA, VOICE, AND VIDEO
14000.0000 - 14500.0000 MHz	56K0G7W	47.32 dBW	DIGITAL DATA, VOICE, AND VIDEO
11700.0000 - 12200.0000 MHz	7M26G7W		DIGITAL DATA, VOICE, AND VIDEO
11700.0000 - 12200.0000 MHz	6M67G7W		DIGITAL DATA, VOICE, AND VIDEO
11700.0000 - 12200.0000 MHz	56K0G7W		DIGITAL DATA, VOICE, AND VIDEO

11700.0000 - 12200.0000 MHz	3M86G7W		DIGITAL DATA, VOICE, AND VIDEO
11700.0000 - 12200.0000 MHz	320KG7W		DIGITAL DATA, VOICE, AND VIDEO
14000.0000 - 14500.0000 MHz	3M86G7W	36.50 dBW	DIGITAL DATA, VOICE, AND VIDEO
14000.0000 - 14500.0000 MHz	320KG7W	28.93 dBW	DIGITAL DATA, VOICE, AND VIDEO

Points of Communication:

Remote1 - PERMITTED LIST - ()

Remote2 - PERMITTED LIST - ()

Remote3 - PERMITTED LIST - ()

Remote4 - PERMITTED LIST - ()

Remote5 - PERMITTED LIST - ()

SES-MOD-20170707-00741 E E000296 Intelsat License LLC
Application for Modification

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

Intelsat License, LLC requests modification of its fixed earth station in Hagerstown, MD to provide telemetry, tracking and Command (TT&C) services to the Intelsat 35e (S2959) satellite at 34.5 W.L. and the Intelsat 37e (S2972) satellite at 18° W.L. on the following center frequencies: 6424.5 MHz and 5853 MHz (Earth-to-space) and 4197.75 MHz, 4198.25 MHz, 4198.75 MHz and 4199.25 MHz (space-to-Earth).

SITE ID: 1

LOCATION: 17625 TECHNOLOGY BLVD (MTN-C92), WASHINGTON, HAGERSTOWN, MD
39 ° 35 ' 54.00 " N LAT. 77 ° 45 ' 35.00 " W LONG.

ANTENNA ID:	MTN-C92	9 meters	VERTEX COMM.	9 KPC
	5925.0000 - 6425.0000 MHz	72M0G7W	86.50 dBW	DIGITAL DATA, VOICE AND VIDEO SERVICES
	5925.0000 - 6425.0000 MHz	660KF2D	73.00 dBW	DIGITAL DATA, VOICE AND VIDEO SERVICES
	5925.0000 - 6425.0000 MHz	56K0G7W	62.30 dBW	DIGITAL DATA, VOICE AND VIDEO SERVICES
	5925.0000 - 6425.0000 MHz	1M08F2D	75.10 dBW	DIGITAL DATA, VOICE AND VIDEO SERVICES
	5925.0000 - 6425.0000 MHz	900KF9D	74.30 dBW	TT&C
	5925.0000 - 6425.0000 MHz	800KF9D	73.80 dBW	TT&C
	3700.0000 - 4200.0000 MHz	900KF9D		TT&C

3700.0000 - 4200.0000 MHz	660KF2D		TT&C
3700.0000 - 4200.0000 MHz	250KG9D		TT&C
3700.0000 - 4200.0000 MHz	1M08F2D		TT&C
3625.0000 - 4200.0000 MHz	72M0G7W		DIGITAL DATA, VOICE AND VIDEO SERVICES
3625.0000 - 4200.0000 MHz	56K0G7W		DIGITAL DATA, VOICE AND VIDEO SERVICES
3625.0000 - 4200.0000 MHz	800KF9D		TT&C
6424.5000 - 6424.5000 MHz	850KF7D	84.70 dBW	TT&C
6424.5000 - 6424.5000 MHz	1M20F7D	84.70 dBW	TT&C
5853.0000 - 5853.0000 MHz	850KF7D	84.70 dBW	TT&C
5853.0000 - 5853.0000 MHz	1M20F7D	84.70 dBW	TT&C
4199.2500 - 4199.2500 MHz	500KF7D		TT&C
4198.7500 - 4198.7500 MHz	500KF7D		TT&C
4198.2500 - 4198.2500 MHz	500KF7D		TT&C
4197.7500 - 4197.7500 MHz	500KF7D		TT&C

Points of Communication:

- 1 - INTELSAT 35e(S2959) - (34.5 W.L.)
- 1 - INTELSAT 37e (S2972) - (18.0 W.L.)
- 1 - PERMITTED LIST - ()
- 1 - SIRIUS FM 5 - (96 W.L.)

SES-MOD-20170707-00742 E KA275 Intelsat License LLC

Application for Modification

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

Intelsat License, LLC requests modification of its fixed earth station in Hagerstown, MD to provide telemetry, tracking and Command (TT&C) services to the Intelsat 35e (S2959) satellite at 34.5 W.L. and the Intelsat 37e (S2972) satellite at 18° W.L. on the following center frequencies: 6424.5 MHz and 5853 MHz (Earth-to-space) and 4197.75 MHz, 4198.25 MHz, 4198.75 MHz and 4199.25 MHz (space-to-Earth).

SITE ID: 1

LOCATION: 17625 TECHNOLOGY BLVD, WASHINGTON, HAGERSTOWN, MD
 39 ° 35 ' 55.00 " N LAT. 77 ° 45 ' 35.00 " W LONG.

ANTENNA ID:	C90	19 meters	GD SATCOM	19M CFPA
	6389.0000 - 6391.0000 MHz	800KGXD	90.00 dBW	TELEMETRY SIGNAL
	6359.0000 - 6361.0000 MHz	800KGXD	90.00 dBW	TELEMETRY SIGNAL
	6329.0000 - 6331.0000 MHz	800KGXD	90.00 dBW	TELEMETRY SIGNAL
	6271.0000 - 6273.0000 MHz	800KGXD	90.00 dBW	TELEMETRY SIGNAL
	6217.0000 - 6219.0000 MHz	800KGXD	82.10 dBW	TELEMETRY SIGNAL
	6172.0000 - 6178.0000 MHz	800KFXD	93.00 dBW	TTC&M
	6172.0000 - 6178.0000 MHz	800KFXD	93.00 dBW	COMMAND/RANGING
	6135.0000 - 6137.0000 MHz	800KGXD	90.00 dBW	TELEMETRY SIGNAL
	6078.0000 - 6080.0000 MHz	800KGXD	90.00 dBW	TELEMETRY SIGNAL
	5961.0000 - 5963.0000 MHz	800KGXD	90.00 dBW	TELEMETRY SIGNAL
	5925.0000 - 6425.0000 MHz	1M50F3X	85.74 dBW	TTC&M
	5925.0000 - 6425.0000 MHz	800KFXD	93.00 dBW	TTC&M COMMAND AND RANGING CARRIER
	5925.0000 - 6425.0000 MHz	NON	56.40 dBW	TT&C RANGING
	5925.0000 - 6425.0000 MHz	1M0KF2D	81.58 dBW	TT&C RANGING
	5925.0000 - 6425.0000 MHz	660KF2D	79.77 dBW	TT&C RANGING
	5925.0000 - 6425.0000 MHz	72M0G7W	94.66 dBW	DIGITAL, DATA
	5925.0000 - 6425.0000 MHz	56K0G7W	69.06 dBW	DIGITAL, DATA
	5850.0000 - 5925.0000 MHz	800KGXD	90.00 dBW	TTC&M
	3700.0000 - 4200.0000 MHz	800KFXD		TTC&M
	3700.0000 - 4200.0000 MHz	800KGXD		TTC&M
	3700.0000 - 4200.0000 MHz	800KFXD		TELEMETRY/RANGING
	3700.0000 - 4200.0000 MHz	1M50F3X		TTC&M
	3700.0000 - 4200.0000 MHz	NON		TT&C RANGING
	3700.0000 - 4200.0000 MHz	1M0KF2D		TT&C RANGING

3700.0000 - 4200.0000 MHz	660KF2D		TT&C RANGING
3700.0000 - 4200.0000 MHz	72M0G7W		TT&C RANGING
3700.0000 - 4200.0000 MHz	56K0G7W		TT&C RANGING
3625.0000 - 3700.0000 MHz	1M50F3X		TTC&M
3625.0000 - 3700.0000 MHz	800KGXD		TTC&M
3625.0000 - 3700.0000 MHz	800KFXD		TTC&M COMMAND AND RANGING CARRIER
6424.5000 - 6424.5000 MHz	850KF7D	90.30 dBW	TT&C
6424.5000 - 6424.5000 MHz	1M20F7D	90.30 dBW	TT&C
5853.0000 - 5853.0000 MHz	850KF7D	90.30 dBW	TT&C
5853.0000 - 5853.0000 MHz	1M20F7D	90.30 dBW	TT&C
4199.2500 - 4199.2500 MHz	500KF7D		TT&C
4198.7500 - 4198.7500 MHz	500KF7D		TT&C
4198.2500 - 4198.2500 MHz	500KF7D		TT&C
4197.7500 - 4197.7500 MHz	500KF7D		TT&C

Points of Communication:

- 1 - INTELSAT 35e(S2959) - (34.5 W.L.)
- 1 - INTELSAT 37e (S2972) - (18.0 W.L.)
- 1 - INTELSAT 805 (S2404) - (304.5 E.L.)
- 1 - INTELSAT AOR - (310.0 E.L.)
- 1 - INTELSAT AOR - (325.5 E.L.)
- 1 - INTELSAT AOR - (328.5 E.L.)
- 1 - INTELSAT AOR - (330.5 E.L.)
- 1 - INTELSAT AOR - (332.5 E.L.)
- 1 - INTELSAT AOR - (335.5 E.L.)
- 1 - INTELSAT AOR - (340.0 E.L.)
- 1 - INTELSAT AOR - (342.0 E.L.)
- 1 - INTELSAT AOR(S2398) - (307.0 E.L.)

1 - New Skies 806 - (319.5 E.L.)

1 - PERMITTED LIST - ()

SES-MOD-20170707-00743 E E030306 Intelsat License LLC

Application for Modification

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

Intelsat License LLC requests modification of its fixed earth station in Ellenwood, GA to provide telemetry, tracking and Command (TT&C) services to the Intelsat 35e (S2959) satellite at the 34.5° W.L. orbital location and the Intelsat 37e (S2972) satellite at the 18° W.L. orbital on the following center frequencies: 6424.5 MHz and 5853 MHz (Earth-to-space) and 4197.75 MHz, 4198.25 MHz, 4198.75 MHz and 4199.25 MHz (space-to-Earth).

SITE ID: 1

LOCATION: 2857 FORK CREEK CHURCH ROAD ATLANTA TELEPORT(AC-38), DEKALB, ELLENWOOD, GA
33 ° 39 ' 50.00 " N LAT. 84 ° 16 ' 22.00 " W LONG.

ANTENNA ID:	AC-38	9 meters	VERTEX KPC	9.0 FMC	
5925.0000 - 6425.0000 MHz			64K0G7W	59.00 dBW	DIGITAL VIDEO AND DATA
5925.0000 - 6425.0000 MHz			36M0G7W	77.00 dBW	DIGITAL VIDEO AND DATA
5925.0000 - 6425.0000 MHz			36M0F8F	77.00 dBW	ANALOG VIDEO
5925.0000 - 6425.0000 MHz			750KF2D	73.70 dBW	COMMAND CARRIER
3700.0000 - 4200.0000 MHz			64K0G7W		DIGITAL VIDEO AND DATA
3700.0000 - 4200.0000 MHz			36M0G7W		DIGITAL VIDEO AND DATA
3700.0000 - 4200.0000 MHz			36M0F8F		ANALOG VIDEO
3700.0000 - 4200.0000 MHz			750KF2D		COMMAND CARRIER
6424.5000 - 6424.5000 MHz			850KF7D	80.80 dBW	TT&C
6424.5000 - 6424.5000 MHz			1M20F7D	80.80 dBW	TT&C
5853.0000 - 5853.0000 MHz			850KF7D	80.80 dBW	TT&C
5853.0000 - 5853.0000 MHz			1M20F7D	80.80 dBW	TT&C
4199.2500 - 4199.2500 MHz			500KF7D		TT&C
4198.7500 - 4198.7500 MHz			500KF7D		TT&C
4198.2500 - 4198.2500 MHz			500KF7D		TT&C
4197.7500 - 4197.7500 MHz			500KF7D		TT&C

Points of Communication:

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

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

1 - PERMITTED LIST - ()

SES-MOD-20170707-00744 E E030071 Intelsat License LLC

Application for Modification

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

Intelsat License LLC requests modification of its fixed earth station in Hagerstown, MD to provide telemetry, tracking and Command (TT&C) services to the Intelsat 35e (S2959) satellite at the 34.5° W.L. orbital location and the Intelsat 37e (S2972) satellite at the 18° W.L. orbital on the following center frequencies: 6424.5 MHz and 5853 MHz (Earth-to-space) and 4197.75 MHz, 4198.25 MHz, 4198.75 MHz and 4199.25 MHz (space-to-Earth).

SITE ID: 1

LOCATION: 17633 TECHNOLOGY BLVD., WASHINGTON, HAGERSTOWN, MD
39 ° 35 ' 57.90 " N LAT. 77 ° 45 ' 17.30 " W LONG.

ANTENNA ID:	1	16.4 meters	VERTEX	16.4 THC
6681.0000 - 6725.0000 MHz		1M00G7W	54.50 dBW	DIGITAL, DATA
6681.0000 - 6725.0000 MHz		36M0G7W	70.00 dBW	DIGITAL, DATA
6681.0000 - 6725.0000 MHz		44M0G7W	70.90 dBW	DIGITAL, DATA
6669.0000 - 6681.0000 MHz		12M0G7W	62.30 dBW	DIGITAL, DATA
6669.0000 - 6681.0000 MHz		1M00G7W	51.50 dBW	DIGITAL, DATA
6425.0000 - 6669.0000 MHz		1M00G7W	54.50 dBW	DIGITAL, DATA
6425.0000 - 6669.0000 MHz		36M0G7W	70.00 dBW	DIGITAL, DATA
6425.0000 - 6669.0000 MHz		62M5G7W	72.40 dBW	DIGITAL, DATA
6421.0000 - 6426.0000 MHz		1M20FXD	81.10 dBW	COMMAND AND RANGING
5925.0000 - 6425.0000 MHz		36M0F8W	83.00 dBW	ANALOG VIDEO WITH ASSOCIATED AUDIO CARRIERS
5925.0000 - 6425.0000 MHz		800KFXW	79.30 dBW	COMMAND AND RANGE CARRIER FOR SATELLITE CONTROL
5925.0000 - 6425.0000 MHz		72M0G7W	83.00 dBW	DIGITAL DATA CARRIER
5925.0000 - 6425.0000 MHz		100KG7D	70.30 dBW	DIGITAL, DATA

5850.0000 - 5925.0000 MHz	72M0G7W	83.00 dBW	DIGITAL DATA CARRIER
5850.0000 - 5925.0000 MHz	100KG7D	70.30 dBW	DIGITAL, DATA
5850.0000 - 5925.0000 MHz	36M0F8W	83.00 dBW	ANALOG VIDEO WITH ASSOCIATED AUDIO CARRIERS
5850.0000 - 5925.0000 MHz	800KFXW	79.30 dBW	COMMAND AND RANGE CARRIER FOR SATELLITE CONTROL
5850.0000 - 5925.0000 MHz	1M00G7W	80.30 dBW	DIGITAL, DATA
5850.0000 - 5925.0000 MHz	36M0G7W	82.00 dBW	DIGITAL, DATA
5850.0000 - 5925.0000 MHz	62M5G7W	82.00 dBW	DIGITAL, DATA
5850.0000 - 5854.0000 MHz	850KG7D	79.60 dBW	COMMAND AND RANGING
5850.0000 - 5853.5000 MHz	850KFXD	79.60 dBW	COMMAND AND RANGING
5850.0000 - 5853.5000 MHz	1M20FXD	81.10 dBW	COMMAND AND RANGING
3700.0000 - 4200.0000 MHz	36M0F8W		ANALOG VIDEO WITH ASSOCIATED AUDIO CARRIERS
3700.0000 - 4200.0000 MHz	800KFXW		COMMAND AND RANGE CARRIER FOR SATELLITE CONTROL
3700.0000 - 4200.0000 MHz	72M0G7W		DIGITAL, DATA
3700.0000 - 4200.0000 MHz	100KG7D		DIGITAL, DATA
3625.0000 - 3700.0000 MHz	72M0G7W		DIGITAL VIDEO WITH ASSOCIATED AUDIO CARRIERS
3625.0000 - 3700.0000 MHz	36M0F8W		ANALOG VIDEO WITH ASSOCIATED AUDIO CARRIERS
3625.0000 - 3700.0000 MHz	100KG7D		DIGITAL, DATA
3625.0000 - 3700.0000 MHz	800KFXW		COMMAND AND RANGE CARRIER FOR SATELLITE CONTROL
6424.5000 - 6424.5000 MHz	850KF7D	83.00 dBW	TT&C
6424.5000 - 6424.5000 MHz	1M20F7D	83.00 dBW	TT&C
5853.0000 - 5853.0000 MHz	850KF7D	83.00 dBW	TT&C
5853.0000 - 5853.0000 MHz	1M20F7D	83.00 dBW	TT&C
4199.2500 - 4199.2500 MHz	500KF7D		TT&C

4198.7500 - 4198.7500 MHz	500KF7D	TT&C
4198.2500 - 4198.2500 MHz	500KF7D	TT&C
4197.7500 - 4197.7500 MHz	500KF7D	TT&C

Points of Communication:

- 1 - INTELSAT 29e (S2913) - (50.0 W.L.)
- 1 - INTELSAT 35e(S2959) - (34.5 W.L.)
- 1 - INTELSAT 805 (S2404) - (304.5 E.L.)
- 1 - INTELSAT AOR - (310.0 E.L.)
- 1 - INTELSAT AOR - (325.5 E.L.)
- 1 - INTELSAT AOR - (328.5 E.L.)
- 1 - INTELSAT AOR - (330.5 E.L.)
- 1 - INTELSAT AOR - (332.5 E.L.)
- 1 - INTELSAT AOR - (335.5 E.L.)
- 1 - INTELSAT AOR - (340.0 E.L.)
- 1 - INTELSAT AOR - (342.0 E.L.)
- 1 - INTELSAT AOR(S2398) - (307.0 E.L.)
- 1 - PERMITTED LIST - ()

SES-MOD-20170720-00784 E E130087 Production & Satellite Services, Inc.

Application for Modification

Class of Station: Temporary Fixed Earth Station

Nature of Service: Fixed Satellite Service

PSSI requests modification of its temporary-fixed earth station, to replace the 2.4-meter Andrew Corp. antenna with a 2.4-meter AVL Technologies antenna and change the frequency band of operations. The station will communicate with Permitted List satellites in the 5925-6425 MHz (Earth-to-space) and 3700-4200 MHz (space-to-Earth) frequency bands.

SITE ID: 1

LOCATION: 4415 WAGON TRAIL, CLARK, LAS VEGAS, NV

ANTENNA ID: 1	2.4 meters	AVL TECHNOLOGIES	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	36M0F3F	0.00 dBW	DIGITAL TV WITH ASSOCIATED AUDIO
3700.0000 - 4200.0000 MHz	4M00G7F		DIGITAL TV WITH ASSOCIATED AUDIO

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20170726-00811 E E060445 HNS License Sub, LLC
 Application for Modification
Class of Station: Other

Nature of Service: Fixed Satellite Service

HNS License Sub, LLC requests modification of its 20/30 GHz VSAT Network authorization to add 100,000 units of a new 0.9-cm antenna type. See Antenna ID "90CM". The antenna will operate with currently authorized satellite points of communication in the 28.35-28.6 GHz and 29.25-30.0 GHz (Earth-to-space) and 18.3-19.3 GHz and 19.7-20.2 GHz (space-to-Earth) frequency bands.

SITE ID: TR3.5M
LOCATION: 50,000 (3.5m) CONUS, AK, HI, PR, VI
 0 ° 0 ' 0.00 " N LAT. 0 ° 0 ' 0.00 " W LONG.

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

SITE ID: TFTR1.2M
LOCATION: 1000 (1.2M) CONUS, AK, HI, PR, VI

ANTENNA ID: TFTR1.2	1.2 meters	AVL TECHNOLOGIES	1210K
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29500.0000 - 30000.0000 MHz	100KG7W	42.70 dBW	QPSK, DATA, INROUTE, 64 KSPS
29250.0000 - 30000.0000 MHz	2M00G7W	55.90 dBW	QPSK, DATA, INROUTE, 1600 KSPS
29250.0000 - 30000.0000 MHz	2M61G7W	55.90 dBW	QPSK, DATA, INROUTE, 2048 KSPS
29250.0000 - 29500.0000 MHz	100KG7W	42.70 dBW	QPSK, DATA, INROUTE, 64 KSPS
29250.0000 - 29500.0000 MHz	2M61G7W	55.90 dBW	QPSK, DATA, INROUTE, 2048 KSPS
19700.0000 - 20200.0000 MHz	100KG7W		QPSK, DATA, OUTROUTE, 64 KSPS
19700.0000 - 20200.0000 MHz	500MG7W		QPSK, DATA, OUTROUTE, 30 MSPS
18300.0000 - 19300.0000 MHz	100KG7W		QPSK, DATA, OUTROUTE, 64 KSPS
18300.0000 - 19300.0000 MHz	2M61G7W		500 MHZ WIDE, PSK, DIGITAL CARRIER

SITE ID: TFTR74CM
LOCATION: 25,000 (74cm) CONUS, AK, HI, PR, VI
0 ° 0 ' 0.00 " N LAT. 0 ° 0 ' 0.00 " W LONG.

ANTENNA ID: 74CM(TA)	0.74 meters	GD SATCOM	HNS1031929
29500.0000 - 30000.0000 MHz	650KG7W	47.00 dBW	512 KBPS, PSK, DIGITAL CARRIER
29250.0000 - 29500.0000 MHz	650KG7W	47.00 dBW	512 KBPS, PSK, DIGITAL CARRIER
28350.0000 - 28600.0000 MHz	650KG7W	47.00 dBW	512 KBPS, PSK, DIGITAL CARRIER
28350.0000 - 28600.0000 MHz	650KG7W	47.00 dBW	512 KBPS, PSK, DIGITAL CARRIER
19700.0000 - 20200.0000 MHz	500MG7W		500 MHZ WIDE, PSK, DIGITAL CARRIER
19700.0000 - 20200.0000 MHz	100KG7W		100 KHZ WIDE, PSK, DIGITAL CARRIER
18800.0000 - 19300.0000 MHz	500MG7W		500 MHZ WIDE, PSK, DIGITAL CARRIER
18300.0000 - 19300.0000 MHz	100KG7W		100 KHZ WIDE, PSK, DIGITAL CARRIER
18300.0000 - 18800.0000 MHz	500MG7W		500 MHZ WIDE, PSK, DIGITAL CARRIER
18300.0000 - 18800.0000 MHz	500MG7W		500 MHZ WIDE, PSK, DIGITAL CARRIER
ANTENNA ID: 74CM(TB)	0.74 meters	SKYWARE GLOBAL	AN8-074R

29500.0000 - 30000.0000 MHz	650KG7W	47.00 dBW	512 KBPS, PSK, DIGITAL CARRIER
29250.0000 - 29500.0000 MHz	650KG7W	45.80 dBW	512 KBPS, PSK, DIGITAL CARRIER
29250.0000 - 29500.0000 MHz	650KG7W	45.80 dBW	512 KSPS, PSK, DIGITAL CARRIER
28350.0000 - 28600.0000 MHz	650KG7W	45.80 dBW	512 KBPS, PSK, DIGITAL CARRIER
28350.0000 - 28600.0000 MHz	650KG7W	45.80 dBW	512 KBPS, PSK, DIGITAL CARRIER
19700.0000 - 20200.0000 MHz	500MG7W		500 MHZ, PSK, DIGITAL CARRIER
19700.0000 - 20200.0000 MHz	100KG7W		100 KHZ WIDE, PSK, DIGITAL CARRIER
18800.0000 - 19300.0000 MHz	500MG7W		500 MHZ WIDE, PSK, DIGITAL CARRIER
18300.0000 - 19300.0000 MHz	100KG7W		100 KHZ WIDE, PSK, DIGITAL CARRIER
18300.0000 - 18800.0000 MHz	500MG7W		500 MHZ WIDE, PSK, DIGITAL CARRIER
18300.0000 - 18800.0000 MHz	500MG7W		500 MHZ, PSK, DIGITAL CARRIER
ANTENNA ID: 74CM(TC)	0.74 meters	GD SATCOM	AN8-074P
29500.0000 - 30000.0000 MHz	650KG7W	47.00 dBW	512 KBPS, PSK, DIGITAL CARRIER
29250.0000 - 29500.0000 MHz	650KG7W	47.00 dBW	512 KBPS, PSK, DIGITAL CARRIER
29250.0000 - 29500.0000 MHz	650KG7W	47.00 dBW	512 KBPS, PSK, DIGITAL CARRIER
28350.0000 - 28600.0000 MHz	650KG7W	47.00 dBW	512 KBPS, PSK, DIGITAL CARRIER
28350.0000 - 28600.0000 MHz	650KG7W	47.00 dBW	512 KBPS, PSK, DIGITAL CARRIER
19700.0000 - 20200.0000 MHz	500MG7W		500 MHZ, PSK, DIGITAL CARRIER
19700.0000 - 20200.0000 MHz	100KG7W		100 KHZ WIDE, PSK, DIGITAL CARRIER
18800.0000 - 19300.0000 MHz	500MG7W		500 MHZ WIDE, PSK, DIGITAL CARRIER
18300.0000 - 19300.0000 MHz	100KG7W		100 KHZ WIDE, PSK, DIGITAL CARRIER
18300.0000 - 18800.0000 MHz	500MG7W		500 MHZ WIDE, PSK, DIGITAL CARRIER
18300.0000 - 18800.0000 MHz	500MG7W		500 MHZ WIDE, PSK, DIGITAL CARRIER

SITE ID: TFTR98CM
 LOCATION: 10,000 (98cm) CONUS, AK, HI, PR, VI
 0 ° 0 ' 0.00 " N LAT. 0 ° 0 ' 0.00 " W LONG.

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

29500.0000 - 30000.0000 MHz	2M61G7W	52.90 dBW	QPSK, DATA, INROUTE, 2048 KSPS
29250.0000 - 29500.0000 MHz	2M61G7W	52.90 dBW	QPSK, DATA, INROUTE, 204K KSPS
29250.0000 - 29500.0000 MHz	500MG7W	41.20 dBW	QPSK, DATA, INROUTE, 64 KSPS
19700.0000 - 20200.0000 MHz	100KG7W		QPSK, DATA, OUTROUTE, 64 KSPS
19700.0000 - 20200.0000 MHz	500MG7W		QPSK, DATA, OUTROUTE, 30 MSPS
18300.0000 - 19300.0000 MHz	100KG7W		QPSK, DATA, OUTROUTE, 64 KSPS
18300.0000 - 19300.0000 MHz	500MG7W		QPSK, DATA, OUTROUTE, 30 MSPS

SITE ID: TR98CM

LOCATION: 250,000 (98cm) CONUS, AK, HI, PR, VI
 0 ° 0 ' 0.00 " N LAT.

0 ° 0 ' 0.00 " W LONG.

ANTENNA ID: TR98CM(1)	0.98 meters	GD SATCOM	AN8-098P
29500.0000 - 30000.0000 MHz	650KG7W	49.40 dBW	512 KBPS, PSK, DIGITAL CARRIER
29500.0000 - 30000.0000 MHz	2M61G7W	53.40 dBW	2.048 MBPS, PSK, DIGITAL CARRIER
29250.0000 - 29500.0000 MHz	2M61G7W	53.40 dBW	2.048 MBPS, PSK, DIGITAL CARRIER
29250.0000 - 29500.0000 MHz	650KG7W	49.40 dBW	512 KBPS, PSK, DIGITAL CARRIER
19700.0000 - 20200.0000 MHz	500MG7W		500 MHZ WIDE, PSK, DIGITAL CARRIER
19700.0000 - 20200.0000 MHz	100KG7W		100 KHZ WIDE, PSK, DIGITAL CARRIER
18300.0000 - 19300.0000 MHz	100KG7W		100 KHZ WIDE, PSK, DIGITAL CARRIER
18300.0000 - 19300.0000 MHz	500MG7W		500 MHZ WIDE, PSK, DIGITAL CARRIER

ANTENNA ID: TR98CM(2)	0.98 meters	SKYWARE GLOBAL	AN8-098R
29500.0000 - 30000.0000 MHz	650KG7W	49.40 dBW	512 KBPS, PSK, DIGITAL CARRIER
29500.0000 - 30000.0000 MHz	2M61G7W	53.40 dBW	2.048 MBPS, PSK, DIGITAL CARRIER
29250.0000 - 29500.0000 MHz	650KG7W	45.80 dBW	512 KBPS, PSK, DIGITAL CARRIER
29250.0000 - 29500.0000 MHz	650KG7W	49.40 dBW	512 KBPS, PSK, DIGITAL CARRIER
29250.0000 - 29500.0000 MHz	2M61G7W	53.40 dBW	2.048 MBPS, PSK, DIGITAL CARRIER

19700.0000 - 20200.0000 MHz	500MG7W	500 MHZ WIDE, PSK, DIGITAL CARRIER
19700.0000 - 20200.0000 MHz	100KG7W	100 KHZ WIDE, PSK, DIGITAL CARRIER
18300.0000 - 19300.0000 MHz	100KG7W	100 KHZ WIDE, PSK DIGITAL CARRIER
18300.0000 - 19300.0000 MHz	500MG7W	500 MHZ WIDE, PSK, DIGITAL CARRIER

SITE ID: TR74CM
LOCATION: 5,000,000 (74cm) CONUS, AK, HI, PR, VI
0 ° 0 ' 0.00 " N LAT. 0 ° 0 ' 0.00 " W LONG.

ANTENNA ID: 74CM(FA)	0.74 meters	GD SATCOM	AN8-074P
28350.0000 - 28600.0000 MHz	650KG7W	45.80 dBW	512 KBPS, PSK, DIGITAL CARRIER
19700.0000 - 20200.0000 MHz	500MG7W		500 MHZ, PSK, DIGITAL CARRIER
19700.0000 - 20200.0000 MHz	100KG7W		100 KHZ, PSK, DIGITAL CARRIER
18800.0000 - 19300.0000 MHz	500MG7W		500 MHZ WIDE, PSK, DIGITAL CARRIER
18300.0000 - 19300.0000 MHz	100KG7W		100 KHZ WIDE, PSK, DIGITAL CARRIER
18300.0000 - 18800.0000 MHz	500MG7W		500 MHZ WIDE, PSK, DIGITAL CARRIER

ANTENNA ID: 74CM(FC)	0.74 meters	SKYWARE GLOBAL	AN8-074R
29250.0000 - 30000.0000 MHz	650KG7W	47.00 dBW	512 KBPS, PSK, DIGITAL CARRIER
19700.0000 - 20200.0000 MHz	100KG7W		100 KHZ WIDE, PSK, DIGITAL CARRIER
19700.0000 - 20200.0000 MHz	500MG7W		500 MHZ WIDE, PSK, DIGITAL CARRIER
18300.0000 - 19300.0000 MHz	100KG7W		100 KHZ WIDE, PASK, DIGITAL CARRIER
18300.0000 - 19300.0000 MHz	500MG7W		500 MHZ WIDE, PSK, DIGITAL CARRIER

ANTENNA ID: 74CM(FB)	0.74 meters	GD SATCOM	HNS1031929
29250.0000 - 30000.0000 MHz	650KG7W	45.80 dBW	512 KBPS, PSK, DIGITAL CARRIER
19700.0000 - 20200.0000 MHz	100KG7W		100 KHZ, PSK, DIGITAL CARRIER

19700.0000 - 20200.0000 MHz	500MG7W		500 MHZ, PSK, DIGITAL CARRIER
18300.0000 - 19300.0000 MHz	100KG7W		100 KHZ, PSK, DIGITAL CARRIER
18300.0000 - 19300.0000 MHz	500MG7W		500 MHZ, PSK, DIGITAL CARRIER
ANTENNA ID: 74CM(FD)	0.74 meters	SKYWARE GLOBAL	AN9-074
29250.0000 - 30000.0000 MHz	650KG7W	45.80 dBW	512 KSPS, PSK, DIGITAL CARRIER
28350.0000 - 2860.0000 MHz	650KG7W	45.80 dBW	512 KSPS, PSK, DIGITAL CARRIER
19700.0000 - 20200.0000 MHz	500MG7W	0.00 dBW	500 MHZ, PSK, DIGITAL CARRIER
19700.0000 - 20200.0000 MHz	100KG7W		100 KHZ, PSK, DIGITAL CARRIER
18300.0000 - 19300.0000 MHz	100KG7W		100 MHZ, PSK, DIGITAL CARRIER
18300.0000 - 19300.0000 MHz	500MG7W		500 MHZ, PSK, PSK, DIGITAL CARRIER

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

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

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

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

SITE ID: TFTR98CM
 LOCATION: 10,000 (1.0m) CONUS, AK, HI, PR, VI

SITE ID: TR69CM
 LOCATION: 1,000,000 (69CM)

ANTENNA ID:	69CM	0.69 meters	SKYWARE GLOBAL	HNS-AN8-069R
	29250.0000 - 29500.0000 MHz	100KG7W	38.50 dBW	M-ARY PHASE SHIFT KEYING DIGITAL CARRIER
	29250.0000 - 29500.0000 MHz	2M00G7W	46.80 dBW	M-ARY PHASE SHIFT KEYING DIGITAL CARRIER
	29250.0000 - 29500.0000 MHz	670KG7W	46.80 dBW	M-ARY PHASE SHIFT KEYING DIGITAL CARRIER
	19700.0000 - 20200.0000 MHz	100KG7W		M-ARY PHASE SHIFT KEYING DIGITAL CARRIER
	19700.0000 - 20200.0000 MHz	500MG7W		M-ARY PHASE SHIFT KEYING DIGITAL CARRIER
	18300.0000 - 19300.0000 MHz	100KG7W		M-ARY PHASE SHIFT KEYING DIGITAL CARRIER
	18300.0000 - 19300.0000 MHz	500MG7W		M-ARY PHASE SHIFT KEYING DIGITAL CARRIER

SITE ID: TR90CM
LOCATION: 100,000 (90CM) CONUS, AK, HI, PR, VI

ANTENNA ID:	90CM	0.9 meters	GLOBAL SKYWARE	6116047-01
	29250.0000 - 30000.0000 MHz	650KG7W	51.50 dBW	512 KSPS, PSK, DIGITAL CARRIER
	28350.0000 - 28600.0000 MHz	650KG7W	51.50 dBW	512 KSPS, PSK, DIGITAL CARRIER
	18300.0000 - 19300.0000 MHz	100KG7W		100 KHZ, PSK, DIGITAL CARRIER
	18300.0000 - 19300.0000 MHz	500MG7W		500 MHZ, PSK, DIGITAL CARRIER
	19700.0000 - 20200.0000 MHz	100KG7W		100 KHZ, PSK, DIGITAL CARRIER
	19700.0000 - 20200.0000 MHz	500MG7W		500 MHZ, PSK, DIGITAL CARRIER

Points of Communication:

TFTR1.2M - AMC-15 - (105 W.L.)
TFTR1.2M - AMC-16 - (85 W.L.)
TFTR1.2M - ECHOSTAR -9 - (121 W.L.)
TFTR1.2M - EchostarXVII(S2753) - (107.1 W.L.)
TFTR1.2M - JUPITER 97 W(S2834) - (97.1 W. L.)
TFTR1.2M - SPACEWAY 3 - (94.95 W.L.)
TFTR74CM - AMC-15 - (105 W.L.)
TFTR74CM - AMC-16 - (85 W.L.)
TFTR74CM - DIRECTV 10 - (102.8 W.L.)
TFTR74CM - DIRECTV 11 - (99.2 W.L.)
TFTR74CM - ECHOSTAR -9 - (121 W.L.)
TFTR74CM - EchostarXVII(S2753) - (107.1 W.L.)
TFTR74CM - JUPITER 97 W(S2834) - (97.1 W. L.)
TFTR74CM - SPACEWAY 1 - (103 W.L.)
TFTR74CM - SPACEWAY 2 - (99 W.L.)
TFTR74CM - SPACEWAY 3 - (94.95 W.L.)
TFTR98CM - AMC-15 - (105 W.L.)
TFTR98CM - AMC-16 - (85 W.L.)

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

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

TFTR98CM - JUPITER 97 W(S2834) - (97.1 W. L.)

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

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

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

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

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

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

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

TR1.2M - JUPITER 97 W(S2834) - (97.1 W. L.)

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

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

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

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

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

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

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

TR1.8M - JUPITER 97 W(S2834) - (97.1 W. L.)

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

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

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

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

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

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

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

TR3.5M - JUPITER 97 W(S2834) - (97.1 W. L.)

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

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

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

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

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

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

TR69CM - EchostarXVII(S2753) - (107.1 W.L.)

TR69CM - JUPITER 97 W(S2834) - (97.1 W. L.)

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

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

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

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

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

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

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

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

TR74CM - EchostarXVII(S2753) - (107.1 W.L.)

TR74CM - JUPITER 97 W(S2834) - (97.1 W. L.)

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

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

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

TR90CM - AMC-15 - (105 W.L.)

TR90CM - AMC-16 - (85 W.L.)

TR90CM - EHOSTAR -9 - (121 W.L.)

TR90CM - EchostarXVII(S2753) - (107.1 W.L.)

TR90CM - JUPITER 97 W(S2834) - (97.1 W. L.)

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

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

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

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

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

SES-RWL-20170706-00734 E E920553 Falcon Video Communications, L.P.

Renewal

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

Falcon Video Communications, L.P. requests renewal of its authorization and correction of the coordinates of the earth station in terms of the WGS84 datum.

SITE ID: 1

LOCATION: CONCONULLY HWY., OKANOGAN, OMAK, WA
48 ° 25 ' 4.40 " N LAT. 119 ° 33 ' 57.20 " W LONG.

ANTENNA ID: 1 4.5 meters SCIENTIFIC-ATLANTA 8345

3700.0000 - 4200.0000 MHz 36M0F3F

Points of Communication:

1 - PERMITTED LIST - ()

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