



PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION
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Report No. SES-01980

Wednesday August 9, 2017

Satellite Communications Services re: Satellite Radio Applications Accepted For Filing

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

SES-AMD-20170726-00812 E E960132 Iridium Satellite LLC

Amendment

Class of Station: Mobile Earth Station

Nature of Service: Mobile Satellite Service

See IBFS File No. SES-MOD-20170413-00388 for a description of this application.

SITE ID: METS

LOCATION: (200,000) Handheld Operating in the US&P, Mobile

ANTENNA ID:	Handheld	0 meters	MOTOROLA (200,000)	TIME DOMAIN DUPLEX
	1618.7250 - 1626.5000 MHz		41K7Q7W	DQPSK
	1618.7250 - 1626.5000 MHz		41K7Q7W 11.95 dBW	DQPSK

SITE ID: OpenPort

LOCATION: (0.525 M.) 50,000 units, Mobile

ANTENNA ID:	OpenPort	0.525 meters	CELESTICA	AT7521-2-A
	1618.7250 - 1626.5000 MHz		667KQ7W 9.40 dBW	FDMA/TDMA/TDD
	1618.7250 - 1618.7250 MHz		667KQ7W	FDMA/TDMA/TDD

SITE ID: LiveTV

LOCATION: 0.407M. 50,000 units (LiveTV), Mobile

ANTENNA ID:	LiveTV	0.407 meters	LiveTV	LV16-100301-101
	1618.7250 - 1626.5000 MHz		667KQ7W 6.40 dBW	FDMA/TDMA/TDD
	1618.7250 - 1626.5000 MHz		667KQ7W	FDMA/TDMA/TDD
SITE ID:	AMS(R)S			
LOCATION:	20,000 AMS(R)S terminals Operating aboard aircraft, Fairfax, McLean, VA			
ANTENNA ID:	AMS(R)S-1		Aero Antenna	AT1621-23 Dual Patch
	1618.7250 - 1626.5000 MHz		41K7Q7W	Voice and Data; DQPSK
	1618.7250 - 1626.5000 MHz		41K7Q7W 9.00 dBW	Voice and Data; DQPSK
ANTENNA ID:	AMS(R)S-2	0.089 meters	Aero Antenna	AT2775-110 Single Pa
	1618.7250 - 1626.5000 MHz		41K7Q7W	Voice and Data; DQPSK
	1618.7250 - 1626.5000 MHz		41K7Q7W 8.00 dBW	Voice and Data; DQPSK
ANTENNA ID:	AMS(R)S-3	0.089 meters	Sensor Systems	S67-1575-409 Single
	1618.7250 - 1626.5000 MHz		41K7Q7W	Voice and Data; DQPSK
	1618.7250 - 1626.5000 MHz		41K7Q7W 9.00 dBW	Voice and Data; DQPSK
ANTENNA ID:	AMS(R)S-6	0.21 meters	Sensor Systems	S67-1575-160 Single
	1618.7250 - 1626.5000 MHz		41K7Q7W	Voice and Data; DQPSK
	1618.7250 - 1626.5000 MHz		41K7Q7W 9.00 dBW	Voice and Data; DQPSK
ANTENNA ID:	AMS(R)S-4	0.21 meters	Sensor Systems	S67-1575-365 Dual Pa
	1618.7250 - 1626.5000 MHz		41K7Q7W	Voice and Data; DQPSK
	1618.7250 - 1626.5000 MHz		41K7Q7W 9.00 dBW	Voice and Data; DQPSK
ANTENNA ID:	AMS(R)S-5	0.21 meters	Sensor Systems	S67-1575-168 Single
	1618.7250 - 1626.5000 MHz		41K7Q7W	Voice and Data; DQPSK
	1618.7250 - 1626.5000 MHz		41K7Q7W 6.00 dBW	Voice and Data; DQPSK
ANTENNA ID:	AMS(R)S-7	0.089 meters	Cobham	Comant CI 490-1 Sing
	1618.7250 - 1626.5000 MHz		41K7Q7W	Voice and Data; DQPSK
	1618.7250 - 1626.5000 MHz		41K7Q7W 9.00 dBW	Voice and Data; DQPSK
ANTENNA ID:	AMS(R)S-8	0.001 meters	Antcom	S4IR16RR-P-XX-X Sing

1618.7250 - 1626.5000 MHz	41K7Q7W		Voice and Data; DQPSK
1618.7250 - 1626.5000 MHz	41K7Q7W	8.50 dBW	Voice and Data; DQPSK
ANTENNA ID: AMS(R)S-9	0.102 meters	Antcom	S5GIR121RR-AP-XTN Si
1618.7250 - 1626.5000 MHz	41K7Q7W		Voice and Data; DQPSK
1618.7250 - 1626.5000 MHz	41K7Q7W	8.50 dBW	Voice and Data; DQPSK

SITE ID: Prototerminal
LOCATION: 1750 Tysons Boulevard, Suite 1400 0.312M. 30000 units, Fairfax, McLean, VA

ANTENNA ID: Prototerm	0.312 meters	Various	Various
1618.7250 - 1626.5000 MHz	333KQ7W	21.20 dBW	16 APSK Voice & Digital
1618.7250 - 1626.5000 MHz	83K3Q7W	14.50 dBW	QPSK Voice & Data
1618.7250 - 1626.5000 MHz	41K7Q7W	14.30 dBW	QPSK Voice & Data
1618.7250 - 1626.5000 MHz	41K7Q7W	11.70 dBW	QPSK Voice & Data
1618.7250 - 1626.5000 MHz	333KQ7W	14.30 dBW	QPSK Voice & Data
1618.7250 - 1626.5000 MHz	333KQ7W		16 APSK Voice & Digital
1618.7250 - 1626.5000 MHz	83K3Q7W		QPSK Voice & Data
1618.7250 - 1626.5000 MHz	41K7Q7W		QPSK Voice & Data
1618.7250 - 1626.5000 MHz	333KQ7W		QPSK Voice & Data

SITE ID: Iridium Certus
LOCATION: 1750 Tysons Boulevard, Suite 1400 0.312M. 10000 units, Fairfax, McLean, VA

ANTENNA ID: Aero 1-T	0.312 meters	Thales	General Aviation
1618.7250 - 1626.5000 MHz	333KQ7W	21.20 dBW	16 QPSK Voice & Digital
1618.7250 - 1626.5000 MHz	83K3Q7W	14.50 dBW	QPSK Voice & Data
1618.7250 - 1626.5000 MHz	41K7Q7W	14.30 dBW	QPSK Voice & Data
1618.7250 - 1626.5000 MHz	41K7Q7W	11.70 dBW	QPSK Voice & Data
1618.7250 - 1626.5000 MHz	333KQ7W	14.30 dBW	QPSK Voice & Data
1618.7250 - 1626.5000 MHz	333KQ7W		16 QPSK Voice & Digital
1618.7250 - 1626.5000 MHz	83K3Q7W		QPSK Voice & Data

	1618.7250 - 1626.5000 MHz	41K7Q7W		QPSK Voice & Data
	1618.7250 - 1626.5000 MHz	333KQ7W		QPSK Voice & Data
ANTENNA ID:	Aero 2-T	0.312 meters	Thales	AMS(R)S
	1618.7250 - 1626.5000 MHz	333KQ7W	21.20 dBW	16 QPSK Voice & Digital
	1618.7250 - 1626.5000 MHz	83K3Q7W	14.50 dBW	QPSK Voice & Data
	1618.7250 - 1626.5000 MHz	41K7Q7W	14.30 dBW	QPSK Voice & Data
	1618.7250 - 1626.5000 MHz	41K7Q7W	11.70 dBW	QPSK Voice & Data
	1618.7250 - 1626.5000 MHz	333KQ7W	14.30 dBW	QPSK Voice & Data
	1618.7250 - 1626.5000 MHz	333KQ7W		16 QPSK Voice & Digital
	1618.7250 - 1626.5000 MHz	83K3Q7W		QPSK Voice & Data
	1618.7250 - 1626.5000 MHz	41K7Q7W		QPSK Voice & Data
	1618.7250 - 1626.5000 MHz	333KQ7W		QPSK Voice & Data
ANTENNA ID:	Aero 1-C	0.312 meters	Cobham	General Aviation
	1618.7250 - 1626.5000 MHz	333KQ7W	21.20 dBW	16 QPSK Voice & Digital
	1618.7250 - 1626.5000 MHz	83K3Q7W	14.50 dBW	QPSK Voice & Data
	1618.7250 - 1626.5000 MHz	41K7Q7W	14.30 dBW	QPSK Voice & Data
	1618.7250 - 1626.5000 MHz	41K7Q7W	11.70 dBW	QPSK Voice & Data
	1618.7250 - 1626.5000 MHz	333KQ7W	14.30 dBW	QPSK Voice & Data
	1618.7250 - 1626.5000 MHz	333KQ7W		16 QPSK Voice & Digital
	1618.7250 - 1626.5000 MHz	83K3Q7W		QPSK Voice & Data
	1618.7250 - 1626.5000 MHz	41K7Q7W		QPSK Voice & Data
	1618.7250 - 1626.5000 MHz	333KQ7W		QPSK Voice & Data
ANTENNA ID:	Maritime	0.312 meters	Various	Various
	1618.7250 - 1626.5000 MHz	333KQ7W	21.20 dBW	16 QPSK Voice & Digital
	1618.7250 - 1626.5000 MHz	83K3Q7W	14.50 dBW	QPSK Voice & Data
	1618.7250 - 1626.5000 MHz	41K7Q7W	14.30 dBW	QPSK Voice & Data

1618.7250 - 1626.5000 MHz	41K7Q7W	11.70 dBW	QPSK Voice & Data
1618.7250 - 1626.5000 MHz	333KQ7W	14.30 dBW	QPSK Voice & Data
1618.7250 - 1626.5000 MHz	333KQ7W		16 QPSK Voice & Digital
1618.7250 - 1626.5000 MHz	83K3Q7W		QPSK Voice & Data
1618.7250 - 1626.5000 MHz	41K7Q7W		QPSK Voice & Data
1618.7250 - 1626.5000 MHz	333KQ7W		QPSK Voice & Data
ANTENNA ID: LandMobile	0.312 meters	Various	Various
1618.7250 - 1626.5000 MHz	333KQ7W	21.20 dBW	16 QPSK Voice & Digital
1618.7250 - 1626.5000 MHz	41K7Q7W	14.30 dBW	QPSK Voice & Digital
1618.7250 - 1626.5000 MHz	83K3Q7W	14.50 dBW	QPSK Voice & Data
1618.7250 - 1626.5000 MHz	41K7Q7W	11.70 dBW	QPSK Voice & Data
1618.7250 - 1626.5000 MHz	333KQ7W	14.30 dBW	QPSK Voice & Data
1618.7250 - 1626.5000 MHz	333KQ7W		16 QPSK Voice & Digital
1618.7250 - 1626.5000 MHz	83K3Q7W		QPSK Voice & Data
1618.7250 - 1626.5000 MHz	41K7Q7W		QPSK Voice & Data
1618.7250 - 1626.5000 MHz	333KQ7W		QPSK Voice & Data

Points of Communication:

AMS(R)S - IRIDIUM CONSTELLATIO - (NGSO)

Iridium Certus - IRIDIUM CONSTELLATIO - (NGSO)

LiveTV - IRIDIUM (S2110) - (NGSO)

METS - IRIDIUM (S2110) - (NGSO)

OpenPort - IRIDIUM (S2110) - (NGSO)

Prototerminal - IRIDIUM CONSTELLATIO - (NGSO)

SES-AMD-20170726-00813 E E960622 Iridium Carrier Services LLC
Amendment

Class of Station: Mobile Earth Station

Nature of Service: Mobile Satellite Service

See IBFS File No. SES-MOD-20170413-00389 for a description of this application.

SITE ID: METS
 LOCATION: (200,000) Mobile Earth station TerminalS Operating in the US&P, Mobile

ANTENNA ID:	Handheld	0 meters	MOTOROLA (200,000)	TIME DOMAIN DUPLEX
	1618.7250 - 1626.5000 MHz		41K7Q7W 11.95 dBW	DPSK
	1618.7250 - 1626.5000 MHz		41K7Q7W	DPSK

SITE ID: OpenPort
 LOCATION: (0.525 M.) 50,000 units, Mobile

ANTENNA ID:	OpenPort1	0.525 meters	CELESTICA	AT7521-2-A
	1618.7250 - 1626.5000 MHz		667KQ7W	FDMA/TDMA/TDD
	1618.7250 - 1626.5000 MHz		667KQ7W 9.40 dBW	FDMA/TDMA/TDD

SITE ID: LiveTV
 LOCATION: 0.407M. 50,000 units (LiveTV), Mobile

ANTENNA ID:	LIVETV	0.407 meters	LIVETV	LV16-100301-101
	1618.7250 - 1626.5000 MHz		667KQ7W 6.40 dBW	FDMA/TDMA/TDD
	1618.7250 - 1626.5000 MHz		667KQ7W	FDMA/TDMA/TDD

SITE ID: AMS(R)S
 LOCATION: 20,000 AMS(R)S terminals Operating aboard aircraft, Fairfax, McLean, VA

ANTENNA ID:	AMS(R)S-1	0.21 meters	Aero Antenna	AT1621-23 Dual Patch
	1618.7250 - 1626.5000 MHz		41K7Q7W 9.00 dBW	Voice and Data; DQPSK
	1618.7250 - 1626.5000 MHz		41K7Q7W	Voice and Data; DQPSK

ANTENNA ID:	AMS(R)S-2	0.089 meters	Aero Antenna	AT2775-110 Single Pa
	1618.7250 - 1626.5000 MHz		41K7Q7W 8.00 dBW	Voice and Data; DQPSK
	1618.7250 - 1626.5000 MHz		41K7Q7W	Voice and Data; DQPSK

ANTENNA ID:	AMS(R)S-3	0.089 meters	Sensor Systems	S67-1575-409 Single
	1618.7250 - 1626.5000 MHz		41K7Q7W 9.00 dBW	Voice and Data; DQPSK
	1618.7250 - 1626.5000 MHz		41K7Q7W	Voice and Data; DQPSK

ANTENNA ID:	AMS(R)S-4	0.21 meters	Sensor Systems	S67-1575-365 Dual Pa
	1618.7250 - 1626.5000 MHz		41K7Q7W 9.00 dBW	Voice and Data; DQPSK

	1618.7250 - 1626.5000 MHz		41K7Q7W		Voice and Data; DQPSK
ANTENNA ID:	AMS(R)S-5	0.21 meters	Sensor Systems		S67-1575-168 Singl
	1618.7250 - 1626.5000 MHz		41K7Q7W	6.00 dBW	Voice and Data; DQPSK
	1618.7250 - 1626.5000 MHz		41K7Q7W		Voice and Data; DQPSK
ANTENNA ID:	AMS(R)S-6	0.21 meters	Sensor Systems		S67-1575-160 Single
	1618.7250 - 1626.5000 MHz		41K7Q7W	9.00 dBW	Voice and Data; DQPSK
	1618.7250 - 1626.5000 MHz		41K7Q7W		Voice and Data; DQPSK
ANTENNA ID:	AMS(R)S-7	0.089 meters	Cobham		Comant CI 490-1 Sing
	1618.7250 - 1626.5000 MHz		41K7Q7W	9.00 dBW	Voice and Data; DQPSK
	1618.7250 - 1626.5000 MHz		41K7Q7W		Voice and Data; DQPSK
ANTENNA ID:	AMS(R)S-8	0.001 meters	Antcom		S4IR16RR-P-XX-X Sing
	1618.7250 - 1626.5000 MHz		41K7Q7W	8.50 dBW	Voice and Data; DQPSK
	1618.7250 - 1626.5000 MHz		41K7Q7W		Voice and Data; DQPSK
ANTENNA ID:	AMS(R)S-9	0.102 meters	Antcom		S5GIR121RR-AP-XTN Si
	1618.7250 - 1626.5000 MHz		41K7Q7W	8.50 dBW	Voice and Data; DQPSK
	1618.7250 - 1626.5000 MHz		41K7Q7W		Voice and Data; DQPSK
SITE ID:	Prototerminal				
LOCATION:	1750 Tysons Boulevard, Suite 1400 0.312M. 30000 units, Fairfax, McLean, VA				
ANTENNA ID:	Prototerm	0.312 meters	Various		Various
	1618.7250 - 1626.5000 MHz		333KQ7W	21.20 dBW	16 APSK Voice & Digital
	1618.7250 - 1626.5000 MHz		83K3Q7W	14.50 dBW	QPSK Voice & Data
	1618.7250 - 1626.5000 MHz		41K7Q7W	14.30 dBW	QPSK Voice & Data
	1618.7250 - 1626.5000 MHz		41K7Q7W	11.70 dBW	QPSK Voice & Data
	1618.7250 - 1626.5000 MHz		333KQ7W	14.30 dBW	QPSK Voice & Data
	1618.7250 - 1626.5000 MHz		333KQ7W		16 APSK Voice & Digital
	1618.7250 - 1626.5000 MHz		83K3Q7W		QPSK Voice & Data
	1618.7250 - 1626.5000 MHz		41K7Q7W		QPSK Voice & Data

1618.7250 - 1626.5000 MHz	333KQ7W		QPSK Voice & Data
SITE ID: Iridium Certus			
LOCATION: 1750 Tysons Boulevard, Suite 1400 0.312M. 10000 units, Fairfax, McLean, VA			
ANTENNA ID: Aero 1-T	0.312 meters	Thales	General Aviation
1618.7250 - 1618.7250 MHz	333KQ7W	21.20 dBW	16 APSK Voice & Digital
1618.7250 - 1618.7250 MHz	83K3Q7W	14.50 dBW	QPSK Voice & Data
1618.7250 - 1618.7250 MHz	41K7Q7W	14.30 dBW	QPSK Voice & Data
1618.7250 - 1618.7250 MHz	41K7Q7W	11.70 dBW	QPSK Voice & Data
1618.7250 - 1618.7250 MHz	333KQ7W	14.30 dBW	QPSK Voice & Data
1618.7250 - 1618.7250 MHz	333KQ7W		16 APSK Voice & Digital
1618.7250 - 1618.7250 MHz	83K3Q7W		QPSK Voice & Data
1618.7250 - 1618.7250 MHz	41K7Q7W		QPSK Voice & Data
1618.7250 - 1618.7250 MHz	333KQ7W		QPSK Voice & Data
ANTENNA ID: Aero 2-T	0.312 meters	Thales	AMS(R)S
1618.7250 - 1626.5000 MHz	333KQ7W	21.20 dBW	16 APSK Voice & Digital
1618.7250 - 1626.5000 MHz	83K3Q7W	14.50 dBW	QPSK Voice & Data
1618.7250 - 1626.5000 MHz	41K7Q7W	14.30 dBW	QPSK Voice & Data
1618.7250 - 1626.5000 MHz	41K7Q7W	11.70 dBW	QPSK Voice & Data
1618.7250 - 1626.5000 MHz	333KQ7W	14.30 dBW	QPSK Voice & Data
1618.7250 - 1626.5000 MHz	333KQ7W		16 APSK Voice & Digital
1618.7250 - 1626.5000 MHz	83K3Q7W		QPSK Voice & Data
1618.7250 - 1626.5000 MHz	41K7Q7W		QPSK Voice & Data
1618.7250 - 1626.5000 MHz	333KQ7W		QPSK Voice & Data
ANTENNA ID: Aero 1-C	0.312 meters	Cobham	General Aviation
1618.7250 - 1626.5000 MHz	333KQ7W	21.20 dBW	16 APSK Voice & Digital
1618.7250 - 1626.5000 MHz	83K3Q7W	14.50 dBW	QPSK Voice & Data
1618.7250 - 1626.5000 MHz	41K7Q7W	14.30 dBW	QPSK Voice & Data

	1618.7250 - 1626.5000 MHz	41K7Q7W	11.70 dBW	QPSK Voice & Data
	1618.7250 - 1626.5000 MHz	333KQ7W	14.30 dBW	QPSK Voice & Data
	1618.7250 - 1626.5000 MHz	333KQ7W		16 APSK Voice & Digital
	1618.7250 - 1626.5000 MHz	83K3Q7W		QPSK Voice & Data
	1618.7250 - 1626.5000 MHz	41K7Q7W		QPSK Voice & Data
	1618.7250 - 1626.5000 MHz	333KQ7W		QPSK Voice & Data
ANTENNA ID:	Maritime	0.312 meters	Various	Various
	1618.7250 - 1626.5000 MHz	333KQ7W	21.20 dBW	16 APSK Voice & Digital
	1618.7250 - 1626.5000 MHz	83K3Q7W	14.50 dBW	QPSK Voice & Data
	1618.7250 - 1626.5000 MHz	41K7Q7W	14.30 dBW	QPSK Voice & Data
	1618.7250 - 1626.5000 MHz	41K7Q7W	11.70 dBW	QPSK Voice & Data
	1618.7250 - 1626.5000 MHz	333KQ7W	14.30 dBW	QPSK Voice & Data
	1618.7250 - 1626.5000 MHz	333KQ7W		16 APSK Voice & Digital
	1618.7250 - 1626.5000 MHz	83K3Q7W		QPSK Voice & Data
	1618.7250 - 1626.5000 MHz	41K7Q7W		QPSK Voice & Data
	1618.7250 - 1626.5000 MHz	333KQ7W		QPSK Voice & Data
ANTENNA ID:	LandMobile	0.312 meters	Various	Various
	1618.7250 - 1626.5000 MHz	333KQ7W	21.20 dBW	16 APSK Voice & Digital
	1618.7250 - 1626.5000 MHz	83K3Q7W	14.50 dBW	QPSK Voice & Data
	1618.7250 - 1626.5000 MHz	41K7Q7W	14.30 dBW	QPSK Voice & Data
	1618.7250 - 1626.5000 MHz	41K7Q7W	11.70 dBW	QPSK Voice & Data
	1618.7250 - 1626.5000 MHz	333KQ7W	14.30 dBW	QPSK Voice & Data
	1618.7250 - 1626.5000 MHz	333KQ7W		16 APSK Voice & Digital
	1618.7250 - 1626.5000 MHz	83K3Q7W		QPSK Voice & Data
	1618.7250 - 1626.5000 MHz	41K7Q7W		QPSK Voice & Data
	1618.7250 - 1626.5000 MHz	333KQ7W		QPSK Voice & Data

Points of Communication:

AMS(R)S - IRIDIUM CONSTELLATIO - (NGSO)

Iridium Certus - IRIDIUM CONSTELLATIO - (NGSO)

LiveTV - IRIDIUM (S2110) - (NGSO)

METS - IRIDIUM (S2110) - (NGSO)

OpenPort - IRIDIUM (S2110) - (NGSO)

Prototerminal - IRIDIUM CONSTELLATIO - (NGSO)

SES-LIC-20170721-00785 E E170134 O3b Limited

Application for Authority

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 14700 Caribbean Way, Broward, Miramar, FL

25 ° 59 ' 18.60 " N LAT.

80 ° 20 ' 29.00 " W LONG.

ANTENNA ID:	1	2.2 meters	Orbit Communications	AL-7107-Ka
17800.0000 - 18600.0000 MHz		25M4G7D	0.00 dBW	QPSK, 8PSK, 16PSK, 32PSK, and Internet
18800.0000 - 19300.0000 MHz		25M4G7D	0.00 dBW	QPSK, 8PSK, 16PSK, 32PSK, and Internet
17800.0000 - 18600.0000 MHz		216MG7D	0.00 dBW	QPSK, 8PSK, 16PSK, 32PSK, and Internet
18800.0000 - 19300.0000 MHz		216MG7D	0.00 dBW	QPSK, 8PSK, 16PSK, 32PSK, and Internet
27600.0000 - 28400.0000 MHz		216MG7D	70.60 dBW	QPSK, 8PSK, 16PSK, 32PSK, and Internet
28600.0000 - 29100.0000 MHz		216MG7D	70.60 dBW	QPSK, 8PSK, 16PSK, 32PSK, and Internet
27600.0000 - 28400.0000 MHz		25M4G7D	70.60 dBW	QPSK, 8PSK, 16PSK, 32PSK, and Internet
28600.0000 - 28400.0000 MHz		25M4G7D	70.60 dBW	QPSK, 8PSK, 16PSK, 32PSK, and Internet

Points of Communication:

1 - O3B-A (S2935) - (Eq. NGSO)

SES-LIC-20170726-00805 E E170138 SES Americom, Inc.

Application for Authority

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Woodbine

LOCATION: 2323 Grimville Rd, Mt. Airy, MD
39 ° 22 ' 36.80 " N LAT.

77 ° 4 ' 47.46 " W LONG.

ANTENNA ID:	WDB-K12	9 meters	GD Satcom	9.0 M.	
13750.0000 - 14000.0000 MHz			1M00F9D	77.94 dBW	Telecommand Carrier to the satellite
13750.0000 - 14000.0000 MHz			525KG7W	68.00 dBW	Digital Data
13750.0000 - 14000.0000 MHz			36M0G7W	85.00 dBW	Digital Data
13750.0000 - 14000.0000 MHz			54M0G7W	85.00 dBW	Digital Data
13750.0000 - 14000.0000 MHz			72M0G7W	85.00 dBW	Digital Data
13750.0000 - 14000.0000 MHz			525KG7W	68.00 dBW	Digital Data
14000.0000 - 14500.0000 MHz			1M00F9D	77.94 dBW	Telecommand Carrier to the satellite
14000.0000 - 14500.0000 MHz			100KG7W	60.08 dBW	Digital Data
14000.0000 - 14500.0000 MHz			36M0G7W	85.60 dBW	Digital Data
14000.0000 - 14500.0000 MHz			54M0G7W	87.10 dBW	Digital data
14000.0000 - 14500.0000 MHz			72M0G7W	87.10 dBW	Digital Data
10700.0000 - 10950.0000 MHz			500KG9D		Telemetry Carrier
10700.0000 - 10950.0000 MHz			100KG7W		Digital Data
10700.0000 - 10950.0000 MHz			36M0G7W		Digital Data
10700.0000 - 10950.0000 MHz			54M0G7W		Digital Data
10700.0000 - 10950.0000 MHz			72M0G7W		Digital Data
14000.0000 - 14500.0000 MHz			N0N	52.10 dBW	CW carrier
10700.0000 - 10950.0000 MHz			N0N		CW Carrier
10950.0000 - 11200.0000 MHz			N0N		CW Carrier
10950.0000 - 11200.0000 MHz			72M0G7W		Digital Data
10950.0000 - 11200.0000 MHz			54M0G7W		Digital Data
10950.0000 - 11200.0000 MHz			36M0G7W		Digital Data

10950.0000 - 11200.0000 MHz	100KG7W	Digital Data
10950.0000 - 11200.0000 MHz	500KG9D	Telemetry Carrier
11200.0000 - 11450.0000 MHz	72M0G7W	Digital Data
11200.0000 - 11450.0000 MHz	54M0G7W	Digital Data
11200.0000 - 11450.0000 MHz	36M0G7W	Digital Data
11200.0000 - 11450.0000 MHz	100KG7W	Digital Data
11200.0000 - 11450.0000 MHz	500KG9D	Telemetry Carrier
11200.0000 - 11450.0000 MHz	N0N	CW Carrier
11450.0000 - 11700.0000 MHz	72M0G7W	Digital Data
11450.0000 - 11700.0000 MHz	54M0G7W	Digital Data
11450.0000 - 11700.0000 MHz	36M0G7W	Digital Data
11450.0000 - 11700.0000 MHz	100KG7W	Digital Data
11450.0000 - 11700.0000 MHz	500KG9D	Telemetry Carrier
11450.0000 - 11700.0000 MHz	N0N	CW Carrier
11700.0000 - 12200.0000 MHz	72M0G7W	Digital Carrier
11700.0000 - 12200.0000 MHz	54M0G7W	Digital Carrier
11700.0000 - 12200.0000 MHz	36M0G7W	Digital Carrier
11700.0000 - 12200.0000 MHz	100KG7W	Digital Data
11700.0000 - 12200.0000 MHz	500KG9D	Telemetry Carrier
11700.0000 - 12200.0000 MHz	N0N	Digital Carrier

Points of Communication:

Woodbine - PERMITTED LIST - ()

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

SES-LIC-20170726-00806 E E170139 SES Americom, Inc.

Application for Authority

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: South Mountain
 LOCATION: 5990 Solano Verde Dr, Ventura, Somis, CA
 34 ° 19 ' 32.27 " N LAT.

118 ° 59 ' 43.18 " W LONG.

ANTENNA ID:	SM-K06	9 meters	GD Satcom	9.0M.	
	13750.0000 - 14000.0000 MHz		1M82F9D	68.00 dBW	Digital Data
	13750.0000 - 14000.0000 MHz		1M82G7W	68.00 dBW	Digital Data
	13750.0000 - 14000.0000 MHz		36M0G7W	79.00 dBW	Digital Data
	13750.0000 - 14000.0000 MHz		54M0G7W	80.80 dBW	Digital Data
	13750.0000 - 14000.0000 MHz		1M82G7W	68.00 dBW	Digital Data
	14000.0000 - 14500.0000 MHz		1M00F9D	77.94 dBW	Telecommand Carrier to the satellite
	14000.0000 - 14500.0000 MHz		100K0G7W	60.08 dBW	Digital Data
	14000.0000 - 14500.0000 MHz		36M0G7W	85.60 dBW	Digital Data
	14000.0000 - 14500.0000 MHz		54M0G7W	87.10 dBW	Digital data
	14000.0000 - 14500.0000 MHz		72M0G7W	87.10 dBW	Digital Data
	10700.0000 - 10950.0000 MHz		500KG9D		Telemetry Carrier
	10700.0000 - 10950.0000 MHz		100KG7W		Digital Data
	10700.0000 - 10950.0000 MHz		36M0G7W		Digital Data
	10700.0000 - 10950.0000 MHz		54M0G7W		Digital Data
	10700.0000 - 10950.0000 MHz		72M0G7W		Digital Data
	14000.0000 - 14500.0000 MHz		N0N	52.10 dBW	CW Carrier
	10700.0000 - 10950.0000 MHz		N0N		CW Carrier
	10950.0000 - 11200.0000 MHz		72M0G7W		Digital Data
	10950.0000 - 11200.0000 MHz		54M0G7W		Digital Data
	10950.0000 - 11200.0000 MHz		36M0G7W		Digital Data
	10950.0000 - 11200.0000 MHz		100KG7W		Didgital Data
	10950.0000 - 11200.0000 MHz		500KG9D		Telemetry Carrier
	10950.0000 - 11200.0000 MHz		N0N		CW Carrier

11200.0000 - 11450.0000 MHz	72M0G7W		Digital Data
11200.0000 - 11450.0000 MHz	36M0G7W		Digital Data
11200.0000 - 11450.0000 MHz	100KG7W		Digital Data
11200.0000 - 11450.0000 MHz	500KG9D		Telemetry Carrier
11200.0000 - 11450.0000 MHz	N0N		CW Carrier
11450.0000 - 11700.0000 MHz	72M0G7W		Digital Data
11450.0000 - 11700.0000 MHz	54M0G7W		Digital Data
11450.0000 - 11700.0000 MHz	36M0G7W		Digital Data
11450.0000 - 11700.0000 MHz	100KG7W		Digital Data
11450.0000 - 11700.0000 MHz	500KG9D		Telemetry Carrier
11450.0000 - 11700.0000 MHz	N0N		CW Carrier
11700.0000 - 12200.0000 MHz	72M0G7W		Digital Data
11700.0000 - 12200.0000 MHz	54M0G7W		Digital Data
11700.0000 - 12200.0000 MHz	36M0G7W		Digital Data
11700.0000 - 12200.0000 MHz	100KG7W		Digital Data
11700.0000 - 12200.0000 MHz	500KG9D		Telemetry Carrier
11700.0000 - 12200.0000 MHz	N0N		CW Carrier
11200.0000 - 14500.0000 MHz	54M0G7W		Digital Data
13750.0000 - 14000.0000 MHz	72M0G7W	82.00 dBW	Digital Data

Points of Communication:

South Mountain - PERMITTED LIST - ()

South Mountain - SES-15 (S2951) - (129.15 W.L)

SES-LIC-20170726-00807 E E170140 SES Americom, Inc.

Application for Authority

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: CH-TX-Ka1
 LOCATION: 777 Westar Lane, Cedar Hill, TX
 32 ° 34 ' 41.75 " N LAT. 96 ° 58 ' 57.20 " W LONG.

ANTENNA ID:	CH-TX-Ka1	6.3 meters	GD Satcom	6.3m Ka	
	28350.0000 - 28600.0000 MHz		100K0G7W	56.28 dBW	Digital Data
	28350.0000 - 28600.0000 MHz		201MG7W	89.30 dBW	Digital Data
	28350.0000 - 28600.0000 MHz		250M0G7W	89.30 dBW	Digital Data
	28350.0000 - 28600.0000 MHz		N0N	42.30 dBW	CW
	29500.0000 - 30000.0000 MHz		100K0G7W	56.28 dBW	Digital Data
	29500.0000 - 30000.0000 MHz		201M0G7W	89.30 dBW	Digital Data
	29500.0000 - 30000.0000 MHz		250M0G7W	89.30 dBW	Digital Data
	29500.0000 - 30000.0000 MHz		N0N	42.30 dBW	Digital Data
	18550.0000 - 18800.0000 MHz		100K0G7W		Digital Data
	18550.0000 - 18800.0000 MHz		201M0G7W		Digital Data
	18550.0000 - 18800.0000 MHz		250M0G7W		Digital Data
	18550.0000 - 18800.0000 MHz		N0N		CW
	19700.0000 - 20200.0000 MHz		100K0G7W		Digital Data
	19700.0000 - 20200.0000 MHz		201M0G7W		Digital data
	19700.0000 - 20200.0000 MHz		250M0G7W		Digital Data
	19700.0000 - 20200.0000 MHz		N0N		CW

Points of Communication:

CH-TX-Ka1 - PERMITTED LIST - ()

SES-LIC-20170731-00843 E E170145 Kaufman Broadcast Services Corporation

Application for Authority

Class of Station: Temporary Fixed Earth Station

Nature of Service: Fixed Satellite Service

SITE ID: 1
 LOCATION: Various

ANTENNA ID:	Offsat	2.4 meters	Comtech	Offsat
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5925.0000 - 6425.0000 MHz	36M0G7W	71.34 dBW	digital data: various FEC, data rates and modulation
5925.0000 - 6425.0000 MHz	1M20G7W	56.57 dBW	digital data: various FEC, data rates and modulation

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20170413-00388 E E960132 Iridium Satellite LLC

Application for Modification

Class of Station: Mobile Earth Station

Nature of Service: Mobile Satellite Service

Iridium Satellite LLC requests modification of its blanket mobile earth station authorization to add the Iridium Certus earth station antennas and associated emission designators for terrestrial, maritime, and aeronautical operations. This application was amended by IBFS File No. SES-AMD-20170726-00812 to respond to the Bureau questions relating to this application, submit a revised radiation hazard study, and delineate the emission parameters for Certus earth station terrestrial, maritime, and aeronautical operations.

SITE ID: METS

LOCATION: (200,000) Handheld Operating in the US&P, Mobile

ANTENNA ID: Handheld	0 meters	MOTOROLA (200,000)	TIME DOMAIN DUPLEX
1618.7250 - 1626.5000 MHz		41K7Q7W	DQPSK
1618.7250 - 1626.5000 MHz		41K7Q7W	11.95 dBW
			DQPSK

SITE ID: OpenPort

LOCATION: (0.525 M.) 50,000 units, Mobile

ANTENNA ID: OpenPort	0.525 meters	CELESTICA	AT7521-2-A
1618.7250 - 1626.5000 MHz		667KQ7W	9.40 dBW
1618.7250 - 1618.7250 MHz		667KQ7W	FDMA/TDMA/TDD
			FDMA/TDMA/TDD

SITE ID: LiveTV

LOCATION: 0.407M. 50,000 units (LiveTV), Mobile

ANTENNA ID: LiveTV	0.407 meters	LiveTV	LV16-100301-101
1618.7250 - 1626.5000 MHz		667KQ7W	6.40 dBW
1618.7250 - 1626.5000 MHz		667KQ7W	FDMA/TDMA/TDD
			FDMA/TDMA/TDD

SITE ID: AMS(R)S

LOCATION: 20,000 AMS(R)S terminals Operating aboard aircraft, Fairfax, McLean, VA

ANTENNA ID: AMS(R)S-1		Aero Antenna	AT1621-23 Dual Patch
1618.7250 - 1626.5000 MHz		41K7Q7W	Voice and Data; DQPSK

	1618.7250 - 1626.5000 MHz	41K7Q7W	9.00 dBW	Voice and Data; DQPSK
ANTENNA ID:	AMS(R)S-2	0.089 meters	Aero Antenna	AT2775-110 Single Pa
	1618.7250 - 1626.5000 MHz	41K7Q7W		Voice and Data; DQPSK
	1618.7250 - 1626.5000 MHz	41K7Q7W	8.00 dBW	Voice and Data; DQPSK
ANTENNA ID:	AMS(R)S-3	0.089 meters	Sensor Systems	S67-1575-409 Single
	1618.7250 - 1626.5000 MHz	41K7Q7W		Voice and Data; DQPSK
	1618.7250 - 1626.5000 MHz	41K7Q7W	9.00 dBW	Voice and Data; DQPSK
ANTENNA ID:	AMS(R)S-6	0.21 meters	Sensor Systems	S67-1575-160 Single
	1618.7250 - 1626.5000 MHz	41K7Q7W		Voice and Data; DQPSK
	1618.7250 - 1626.5000 MHz	41K7Q7W	9.00 dBW	Voice and Data; DQPSK
ANTENNA ID:	AMS(R)S-4	0.21 meters	Sensor Systems	S67-1575-365 Dual Pa
	1618.7250 - 1626.5000 MHz	41K7Q7W		Voice and Data; DQPSK
	1618.7250 - 1626.5000 MHz	41K7Q7W	9.00 dBW	Voice and Data; DQPSK
ANTENNA ID:	AMS(R)S-5	0.21 meters	Sensor Systems	S67-1575-168 Single
	1618.7250 - 1626.5000 MHz	41K7Q7W		Voice and Data; DQPSK
	1618.7250 - 1626.5000 MHz	41K7Q7W	6.00 dBW	Voice and Data; DQPSK
ANTENNA ID:	AMS(R)S-7	0.089 meters	Cobham	Comant CI 490-1 Sing
	1618.7250 - 1626.5000 MHz	41K7Q7W		Voice and Data; DQPSK
	1618.7250 - 1626.5000 MHz	41K7Q7W	9.00 dBW	Voice and Data; DQPSK
ANTENNA ID:	AMS(R)S-8	0.001 meters	Antcom	S4IR16RR-P-XX-X Sing
	1618.7250 - 1626.5000 MHz	41K7Q7W		Voice and Data; DQPSK
	1618.7250 - 1626.5000 MHz	41K7Q7W	8.50 dBW	Voice and Data; DQPSK
ANTENNA ID:	AMS(R)S-9	0.102 meters	Antcom	S5GIR121RR-AP-XTN Si
	1618.7250 - 1626.5000 MHz	41K7Q7W		Voice and Data; DQPSK
	1618.7250 - 1626.5000 MHz	41K7Q7W	8.50 dBW	Voice and Data; DQPSK

SITE ID: Prototerminal

LOCATION: 1750 Tysons Boulevard, Suite 1400 0.312M. 30000 units, Fairfax, McLean, VA

ANTENNA ID:	Prototerm	0.312 meters	Various	Various
	1618.7250 - 1626.5000 MHz	333KQ7W	21.20 dBW	16 APSK Voice & Digital
	1618.7250 - 1626.5000 MHz	83K3Q7W	14.50 dBW	QPSK Voice & Data
	1618.7250 - 1626.5000 MHz	41K7Q7W	14.30 dBW	QPSK Voice & Data
	1618.7250 - 1626.5000 MHz	41K7Q7W	11.70 dBW	QPSK Voice & Data
	1618.7250 - 1626.5000 MHz	333KQ7W	14.30 dBW	QPSK Voice & Data
	1618.7250 - 1626.5000 MHz	333KQ7W		16 APSK Voice & Digital
	1618.7250 - 1626.5000 MHz	83K3Q7W		QPSK Voice & Data
	1618.7250 - 1626.5000 MHz	41K7Q7W		QPSK Voice & Data
	1618.7250 - 1626.5000 MHz	333KQ7W		QPSK Voice & Data

SITE ID: Iridium Certus

LOCATION: 1750 Tysons Boulevard, Suite 1400 0.312M. 10000 units, Fairfax, McLean, VA

ANTENNA ID:	Aero 1-T	0.312 meters	Thales	General Aviation
	1618.7250 - 1626.5000 MHz	333KQ7W	21.20 dBW	16 QPSK Voice & Digital
	1618.7250 - 1626.5000 MHz	83K3Q7W	14.50 dBW	QPSK Voice & Data
	1618.7250 - 1626.5000 MHz	41K7Q7W	14.30 dBW	QPSK Voice & Data
	1618.7250 - 1626.5000 MHz	41K7Q7W	11.70 dBW	QPSK Voice & Data
	1618.7250 - 1626.5000 MHz	333KQ7W	14.30 dBW	QPSK Voice & Data
	1618.7250 - 1626.5000 MHz	333KQ7W		16 QPSK Voice & Digital
	1618.7250 - 1626.5000 MHz	83K3Q7W		QPSK Voice & Data
	1618.7250 - 1626.5000 MHz	41K7Q7W		QPSK Voice & Data
	1618.7250 - 1626.5000 MHz	333KQ7W		QPSK Voice & Data

ANTENNA ID:	Aero 2-T	0.312 meters	Thales	AMS(R)S
	1618.7250 - 1626.5000 MHz	333KQ7W	21.20 dBW	16 QPSK Voice & Digital
	1618.7250 - 1626.5000 MHz	83K3Q7W	14.50 dBW	QPSK Voice & Data
	1618.7250 - 1626.5000 MHz	41K7Q7W	14.30 dBW	QPSK Voice & Data
	1618.7250 - 1626.5000 MHz	41K7Q7W	11.70 dBW	QPSK Voice & Data

	1618.7250 - 1626.5000 MHz	333KQ7W	14.30 dBW	QPSK Voice & Data
	1618.7250 - 1626.5000 MHz	333KQ7W		16 QPSK Voice & Digital
	1618.7250 - 1626.5000 MHz	83K3Q7W		QPSK Voice & Data
	1618.7250 - 1626.5000 MHz	41K7Q7W		QPSK Voice & Data
	1618.7250 - 1626.5000 MHz	333KQ7W		QPSK Voice & Data
ANTENNA ID:	Maritime	0.312 meters	Various	Various
	1618.7250 - 1626.5000 MHz	333KQ7W	21.20 dBW	16 QPSK Voice & Digital
	1618.7250 - 1626.5000 MHz	83K3Q7W	14.50 dBW	QPSK Voice & Data
	1618.7250 - 1626.5000 MHz	41K7Q7W	14.30 dBW	QPSK Voice & Data
	1618.7250 - 1626.5000 MHz	41K7Q7W	11.70 dBW	QPSK Voice & Data
	1618.7250 - 1626.5000 MHz	333KQ7W	14.30 dBW	QPSK Voice & Data
	1618.7250 - 1626.5000 MHz	333KQ7W		16 QPSK Voice & Digital
	1618.7250 - 1626.5000 MHz	83K3Q7W		QPSK Voice & Data
	1618.7250 - 1626.5000 MHz	41K7Q7W		QPSK Voice & Data
	1618.7250 - 1626.5000 MHz	333KQ7W		QPSK Voice & Data
ANTENNA ID:	LandMobile	0.312 meters	Various	Various
	1618.7250 - 1626.5000 MHz	333KQ7W	21.20 dBW	16 QPSK Voice & Digital
	1618.7250 - 1626.5000 MHz	41K7Q7W	14.30 dBW	QPSK Voice & Digital
	1618.7250 - 1626.5000 MHz	83K3Q7W	14.50 dBW	QPSK Voice & Data
	1618.7250 - 1626.5000 MHz	41K7Q7W	11.70 dBW	QPSK Voice & Data
	1618.7250 - 1626.5000 MHz	333KQ7W	14.30 dBW	QPSK Voice & Data
	1618.7250 - 1626.5000 MHz	333KQ7W		16 QPSK Voice & Digital
	1618.7250 - 1626.5000 MHz	83K3Q7W		QPSK Voice & Data
	1618.7250 - 1626.5000 MHz	41K7Q7W		QPSK Voice & Data
	1618.7250 - 1626.5000 MHz	333KQ7W		QPSK Voice & Data
ANTENNA ID:	Aero 1-C	0.312 meters	Cobham	General Aviation

1618.7250 - 1626.5000 MHz	333KQ7W	21.20 dBW	16 QPSK Voice & Digital
1618.7250 - 1626.5000 MHz	83K3Q7W	14.50 dBW	QPSK Voice & Data
1618.7250 - 1626.5000 MHz	41K7Q7W	14.30 dBW	QPSK Voice & Data
1618.7250 - 1626.5000 MHz	41K7Q7W	11.70 dBW	QPSK Voice & Data
1618.7250 - 1626.5000 MHz	333KQ7W	14.30 dBW	QPSK Voice & Data
1618.7250 - 1626.5000 MHz	333KQ7W		16 QPSK Voice & Digital
1618.7250 - 1626.5000 MHz	83K3Q7W		QPSK Voice & Data
1618.7250 - 1626.5000 MHz	41K7Q7W		QPSK Voice & Data
1618.7250 - 1626.5000 MHz	333KQ7W		QPSK Voice & Data

Points of Communication:

AMS(R)S - IRIDIUM CONSTELLATIO - (NGSO)

Iridium Certus - IRIDIUM CONSTELLATIO - (NGSO)

LiveTV - IRIDIUM (S2110) - (NGSO)

METS - IRIDIUM (S2110) - (NGSO)

OpenPort - IRIDIUM (S2110) - (NGSO)

Prototerminal - IRIDIUM CONSTELLATIO - (NGSO)

SES-MOD-20170413-00389 E E960622 Iridium Carrier Services LLC

Application for Modification

Class of Station: Mobile Earth Station

Nature of Service: Mobile Satellite Service

Iridium Carrier Services LLC requests modification of its blanket mobile earth station authorization to add the Iridium Certus earth station antennas and associated emission designators for terrestrial, maritime, and aeronautical operations. This application was amended by IBFS File No. SES-AMD-20170726-00813 to respond to Bureau questions relating to this application, submit a revised radiation hazard study, and delineate the emission parameters for Certus earth station terrestrial, maritime, and aeronautical operations.

SITE ID: METS

LOCATION: (200,000) Mobile Earth station TerminalS Operating in the US&P, Mobile

ANTENNA ID:	Handheld	0 meters	MOTOROLA (200,000)	TIME DOMAIN DUPLEX
	1618.7250 - 1626.5000 MHz	41K7Q7W	11.95 dBW	DPSK
	1618.7250 - 1626.5000 MHz	41K7Q7W		DPSK

SITE ID: OpenPort

LOCATION: (0.525 M.) 50,000 units, Mobile

ANTENNA ID:	OpenPort1	0.525 meters	CELESTICA	AT7521-2-A
	1618.7250 - 1626.5000 MHz		667KQ7W	FDMA/TDMA/TDD
	1618.7250 - 1626.5000 MHz		667KQ7W	9.40 dBW
				FDMA/TDMA/TDD
SITE ID:	LiveTV			
LOCATION:	0.407M. 50,000 units (LiveTV), Mobile			
ANTENNA ID:	LIVETV	0.407 meters	LIVETV	LV16-100301-101
	1618.7250 - 1626.5000 MHz		667KQ7W	6.40 dBW
	1618.7250 - 1626.5000 MHz		667KQ7W	FDMA/TDMA/TDD
SITE ID:	AMS(R)S			
LOCATION:	20,000 AMS(R)S terminals Operating aboard aircraft, Fairfax, McLean, VA			
ANTENNA ID:	AMS(R)S-1	0.21 meters	Aero Antenna	AT1621-23 Dual Patch
	1618.7250 - 1626.5000 MHz		41K7Q7W	9.00 dBW
	1618.7250 - 1626.5000 MHz		41K7Q7W	Voice and Data; DQPSK
				Voice and Data; DQPSK
ANTENNA ID:	AMS(R)S-2	0.089 meters	Aero Antenna	AT2775-110 Single Pa
	1618.7250 - 1626.5000 MHz		41K7Q7W	8.00 dBW
	1618.7250 - 1626.5000 MHz		41K7Q7W	Voice and Data; DQPSK
				Voice and Data; DQPSK
ANTENNA ID:	AMS(R)S-3	0.089 meters	Sensor Systems	S67-1575-409 Single
	1618.7250 - 1626.5000 MHz		41K7Q7W	9.00 dBW
	1618.7250 - 1626.5000 MHz		41K7Q7W	Voice and Data; DQPSK
				Voice and Data; DQPSK
ANTENNA ID:	AMS(R)S-4	0.21 meters	Sensor Systems	S67-1575-365 Dual Pa
	1618.7250 - 1626.5000 MHz		41K7Q7W	9.00 dBW
	1618.7250 - 1626.5000 MHz		41K7Q7W	Voice and Data; DQPSK
				Voice and Data; DQPSK
ANTENNA ID:	AMS(R)S-5	0.21 meters	Sensor Systems	S67-1575-168 Singl
	1618.7250 - 1626.5000 MHz		41K7Q7W	6.00 dBW
	1618.7250 - 1626.5000 MHz		41K7Q7W	Voice and Data; DQPSK
				Voice and Data; DQPSK
ANTENNA ID:	AMS(R)S-6	0.21 meters	Sensor Systems	S67-1575-160 Single
	1618.7250 - 1626.5000 MHz		41K7Q7W	9.00 dBW
				Voice and Data; DQPSK

1618.7250 - 1626.5000 MHz		41K7Q7W		Voice and Data; DQPSK
ANTENNA ID:	AMS(R)S-7	0.089 meters	Cobham	Comant CI 490-1 Sing
1618.7250 - 1626.5000 MHz		41K7Q7W	9.00 dBW	Voice and Data; DQPSK
1618.7250 - 1626.5000 MHz		41K7Q7W		Voice and Data; DQPSK
ANTENNA ID:	AMS(R)S-8	0.001 meters	Antcom	S4IR16RR-P-XX-X Sing
1618.7250 - 1626.5000 MHz		41K7Q7W	8.50 dBW	Voice and Data; DQPSK
1618.7250 - 1626.5000 MHz		41K7Q7W		Voice and Data; DQPSK
ANTENNA ID:	AMS(R)S-9	0.102 meters	Antcom	S5GIR121RR-AP-XTN Si
1618.7250 - 1626.5000 MHz		41K7Q7W	8.50 dBW	Voice and Data; DQPSK
1618.7250 - 1626.5000 MHz		41K7Q7W		Voice and Data; DQPSK

SITE ID: Prototerminal
LOCATION: 1750 Tysons Boulevard, Suite 1400 0.312M. 30000 units, Fairfax, McLean, VA

ANTENNA ID:	Prototerm	0.312 meters	Various	Various
1618.7250 - 1626.5000 MHz		333KQ7W	21.20 dBW	16 APSK Voice & Digital
1618.7250 - 1626.5000 MHz		83K3Q7W	14.50 dBW	QPSK Voice & Data
1618.7250 - 1626.5000 MHz		41K7Q7W	14.30 dBW	QPSK Voice & Data
1618.7250 - 1626.5000 MHz		41K7Q7W	11.70 dBW	QPSK Voice & Data
1618.7250 - 1626.5000 MHz		333KQ7W	14.30 dBW	QPSK Voice & Data
1618.7250 - 1626.5000 MHz		333KQ7W		16 APSK Voice & Digital
1618.7250 - 1626.5000 MHz		83K3Q7W		QPSK Voice & Data
1618.7250 - 1626.5000 MHz		41K7Q7W		QPSK Voice & Data
1618.7250 - 1626.5000 MHz		333KQ7W		QPSK Voice & Data

SITE ID: Iridium Certus
LOCATION: 1750 Tysons Boulevard, Suite 1400 0.312M. 10000 units, Fairfax, McLean, VA

ANTENNA ID:	Aero I-T	0.312 meters	Thales	General Aviation
1618.7250 - 1626.5000 MHz		333KQ7W	21.20 dBW	16 APSK Voice & Digital
1618.7250 - 1626.5000 MHz		83K3Q7W	14.50 dBW	QPSK Voice & Data

1618.7250 - 1626.5000 MHz	41K7Q7W	14.30 dBW	QPSK Voice & Data
1618.7250 - 1618.7250 MHz	41K7Q7W	11.70 dBW	QPSK Voice & Data
1618.7250 - 1618.7250 MHz	333KQ7W	14.30 dBW	QPSK Voice & Data
1618.7250 - 1618.7250 MHz	333KQ7W		16 APSK Voice & Digital
1618.7250 - 1618.7250 MHz	83K3Q7W		QPSK Voice & Data
1618.7250 - 1618.7250 MHz	41K7Q7W		QPSK Voice & Data
1618.7250 - 1618.7250 MHz	333KQ7W		QPSK Voice & Data
ANTENNA ID: Aero 2-T	0.312 meters	Thales	AMS(R)S
1618.7250 - 1626.5000 MHz	333KQ7W	21.20 dBW	16 APSK Voice & Digital
1618.7250 - 1626.5000 MHz	83K3Q7W	14.50 dBW	QPSK Voice & Data
1618.7250 - 1626.5000 MHz	41K7Q7W	14.30 dBW	QPSK Voice & Data
1618.7250 - 1626.5000 MHz	41K7Q7W	11.70 dBW	QPSK Voice & Data
1618.7250 - 1626.5000 MHz	333KQ7W	14.30 dBW	QPSK Voice & Data
1618.7250 - 1626.5000 MHz	333KQ7W		16 APSK Voice & Digital
1618.7250 - 1626.5000 MHz	83K3Q7W		QPSK Voice & Data
1618.7250 - 1626.5000 MHz	41K7Q7W		QPSK Voice & Data
1618.7250 - 1626.5000 MHz	333KQ7W		QPSK Voice & Data
ANTENNA ID: Aero 1-C	0.312 meters	Cobham	General Aviation
1618.7250 - 1626.5000 MHz	333KQ7W	21.20 dBW	16 APSK Voice & Digital
1618.7250 - 1626.5000 MHz	83K3Q7W	14.50 dBW	QPSK Voice & Data
1618.7250 - 1626.5000 MHz	41K7Q7W	14.30 dBW	QPSK Voice & Data
1618.7250 - 1626.5000 MHz	41K7Q7W	11.70 dBW	QPSK Voice & Data
1618.7250 - 1626.5000 MHz	333KQ7W	14.30 dBW	QPSK Voice & Data
1618.7250 - 1626.5000 MHz	333KQ7W		16 APSK Voice & Digital
1618.7250 - 1626.5000 MHz	83K3Q7W		QPSK Voice & Data
1618.7250 - 1626.5000 MHz	41K7Q7W		QPSK Voice & Data

1618.7250 - 1626.5000 MHz		333KQ7W		QPSK Voice & Data
ANTENNA ID:	Maritime	0.312 meters	Various	Various
1618.7250 - 1626.5000 MHz		333KQ7W	21.20 dBW	16 APSK Voice & Digital
1618.7250 - 1626.5000 MHz		83K3Q7W	14.50 dBW	QPSK Voice & Data
1618.7250 - 1626.5000 MHz		41K7Q7W	14.30 dBW	QPSK Voice & Data
1618.7250 - 1626.5000 MHz		41K7Q7W	11.70 dBW	QPSK Voice & Data
1618.7250 - 1626.5000 MHz		333KQ7W	14.30 dBW	QPSK Voice & Data
1618.7250 - 1626.5000 MHz		333KQ7W		16 APSK Voice & Digital
1618.7250 - 1626.5000 MHz		83K3Q7W		QPSK Voice & Data
1618.7250 - 1626.5000 MHz		41K7Q7W		QPSK Voice & Data
1618.7250 - 1626.5000 MHz		333KQ7W		QPSK Voice & Data
ANTENNA ID:	LandMobile	0.312 meters	Various	Various
1618.7250 - 1626.5000 MHz		333KQ7W	21.20 dBW	16 APSK Voice & Digital
1618.7250 - 1626.5000 MHz		83K3Q7W	14.50 dBW	QPSK Voice & Data
1618.7250 - 1626.5000 MHz		41K7Q7W	14.30 dBW	QPSK Voice & Data
1618.7250 - 1626.5000 MHz		41K7Q7W	11.70 dBW	QPSK Voice & Data
1618.7250 - 1626.5000 MHz		333KQ7W	14.30 dBW	QPSK Voice & Data
1618.7250 - 1626.5000 MHz		333KQ7W		16 APSK Voice & Digital
1618.7250 - 1626.5000 MHz		83K3Q7W		QPSK Voice & Data
1618.7250 - 1626.5000 MHz		41K7Q7W		QPSK Voice & Data
1618.7250 - 1626.5000 MHz		333KQ7W		QPSK Voice & Data

Points of Communication:

AMS(R)S - IRIDIUM CONSTELLATIO - (NGSO)

Iridium Certus - IRIDIUM CONSTELLATIO - (NGSO)

LiveTV - IRIDIUM (S2110) - (NGSO)

METS - IRIDIUM (S2110) - (NGSO)

OpenPort - IRIDIUM (S2110) - (NGSO)

SES-MOD-20170725-00801 E E980502 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 9 (S2380) satellite at the 29.5° W.L. orbital location on center frequencies: 14000.5 MHz and 14494.5 MHz (Earth-to-space), and 11702 MHz and 11700.5-MHz (space-to-Earth).

SITE ID: 1

LOCATION: 2857 FORK CREEK CHURCH ROAD, CLAYTON, ELLENWOOD, GA

33 ° 39 ' 53.00 " N LAT.

84 ° 16 ' 19.00 " W LONG.

ANTENNA ID:	AK-6	8.1 meters	COMSAT RSI	8.1 KPC
	14000.0000 - 14500.0000 MHz	36M0F8F	85.00 dBW	ANALOG VIDEO
	14000.0000 - 14500.0000 MHz	18M0F8F	82.00 dBW	ANALOG VIDEO
	14000.0000 - 14500.0000 MHz	36M0G7W	85.00 dBW	DIGITAL DATA/VIDEO
	14000.0000 - 14500.0000 MHz	3M00G7W	74.45 dBW	DIGITAL DATA/VIDEO
	14000.0000 - 14500.0000 MHz	64K0G7D	57.74 dBW	DIGITAL DATA
	14000.0000 - 14500.0000 MHz	750KF2D	85.00 dBW	COMMAND
	13750.0000 - 14000.0000 MHz	36M0F8F	85.00 dBW	ANALOG VIDEO
	13750.0000 - 14000.0000 MHz	18M0F8F	82.00 dBW	ANALOG VIDEO
	13750.0000 - 14000.0000 MHz	36M0G7W	85.00 dBW	DIGITAL DATA/VIDEO
	13750.0000 - 14000.0000 MHz	3M00G7W	75.00 dBW	DIGITAL DATA/VIDEO
	13750.0000 - 14000.0000 MHz	64K0G7D	68.00 dBW	DIGITAL DATA
	13750.0000 - 14000.0000 MHz	750KF2D	85.00 dBW	COMMAND
	12750.0000 - 13250.0000 MHz	36M0F8F	85.00 dBW	ANALOG VIDEO
	12750.0000 - 13250.0000 MHz	18M0F8F	82.00 dBW	ANALOG VIDEO
	12750.0000 - 13250.0000 MHz	36M0G7W	85.00 dBW	DIGITAL DATA/VIDEO
	12750.0000 - 13250.0000 MHz	3M00G7W	74.45 dBW	DIGITAL DATA/VIDEO
	12750.0000 - 13250.0000 MHz	64K0G7D	57.74 dBW	DIGITAL DATA
	12750.0000 - 13250.0000 MHz	750KF2D	85.00 dBW	COMMAND

11700.0000 - 12200.0000 MHz	36M0F8F		ANALOG VIDEO
11700.0000 - 12200.0000 MHz	18M0F8F		ANALOG VIDEO
11700.0000 - 12200.0000 MHz	36M0G7W		DIGITAL DATA/VIDEO
11700.0000 - 12200.0000 MHz	3M00G7W		DIGITAL DATA/VIDEO
11700.0000 - 12200.0000 MHz	64K0G7D		DIGITAL DATA
11700.0000 - 12200.0000 MHz	750KF2D		COMMAND
11200.0000 - 11450.0000 MHz	36M0F8F		ANALOG VIDEO
11200.0000 - 11450.0000 MHz	18M0F8F		ANALOG VIDEO
11200.0000 - 11450.0000 MHz	36M0G7W		DIGITAL DATA/VIDEO
11200.0000 - 11450.0000 MHz	3M00G7W		DIGITAL DATA/VIDEO
11200.0000 - 11450.0000 MHz	64K0G7D		DIGITAL DATA
11200.0000 - 11450.0000 MHz	750KF2D		COMMAND
10700.0000 - 11200.0000 MHz	36M0F8F		ANALOG VIDEO
10700.0000 - 11200.0000 MHz	18M0F8F		ANALOG VIDEO
10700.0000 - 11200.0000 MHz	36M0G7W		DIGITAL DATA/VIDEO
10700.0000 - 11200.0000 MHz	3M00G7W		DIGITAL DATA/VIDEO
10700.0000 - 11200.0000 MHz	64K0G7D		DIGITAL DATA
10700.0000 - 11200.0000 MHz	750KF2D		COMMAND
14000.5000 - 14000.5000 MHz	850KF7D	68.80 dBW	TT&C
14494.5000 - 14494.5000 MHz	850KF7D	68.80 dBW	TT&C
11702.0000 - 11702.0000 MHz	850KF7D		TT&C
11700.5000 - 11700.5000 MHz	850KF7D		TT&C

Points of Communication:

- 1 - INTELSAT 9 (S2380) - (29.5 W.L.)
- 1 - PAS-1R - (45.0 W.L.)
- 1 - PAS-3R - (43.0 W.L.)
- 1 - PAS-8B - (43 W.L.)

1 - PAS-9 (S2380) - (58.0 W.L.)

1 - PERMITTED LIST - ()

SES-MOD-20170725-00802 E E140121 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 9 (S2380)satellite at the 29.5° W.L. orbital location on center frequencies: 14000.5 MHz and 14494.5 MHz (Earth-to-space), and 11702 MHz and 11700.5-MHz (space-to-Earth).

SITE ID: MTN-1

LOCATION: 17625 Technology BLVD, Washington, Hagerstown, MD

39 ° 35 ' 53.10 " N LAT.

77 ° 45 ' 22.30 " W LONG.

ANTENNA ID:	K78	13.5 meters	Viasat	13.5m	
	11198.5000 - 11198.5000 MHz		500KG7D	TELEMETRY	
	14499.5000 - 14499.5000 MHz		750KF2D	85.00 dBW	COMMAND AND RANGING
	14498.5000 - 14498.5000 MHz		850KF2D	85.00 dBW	COMMAND AND RANGING
	14497.0000 - 14497.0000 MHz		750KF2D	85.00 dBW	COMMAND AND RANGING
	14494.5000 - 14494.5000 MHz		750KF2D	85.00 dBW	COMMAND AND RANGING
	14006.0000 - 14006.0000 MHz		1M00G9D	85.00 dBW	COMMAND AND RANGING
	14003.5000 - 14003.5000 MHz		1M00G9D	85.00 dBW	COMMAND AND RANGING
	14003.0000 - 14003.0000 MHz		750KF2D	85.00 dBW	COMMAND AND RANGING
	14001.0000 - 14001.0000 MHz		750KF2D	85.00 dBW	COMMAND AND RANGING
	14000.5000 - 14000.5000 MHz		850KF2D	85.00 dBW	COMMAND AND RANGING
	14000.5000 - 14000.5000 MHz		750KF2D	85.00 dBW	COMMAND AND RANGING
	14000.0000 - 14500.0000 MHz		62M5G7W	85.00 dBW	Digital Data
	14000.0000 - 14500.0000 MHz		36M0G7W	85.00 dBW	Digital Data
	14000.0000 - 14500.0000 MHz		1M00G7W	73.30 dBW	Digital Data
	14000.0000 - 14500.0000 MHz		34M0G7D	88.00 dBW	DIGITAL DATA
	14000.0000 - 14500.0000 MHz		43K0G7D	59.00 dBW	DIGITAL DATA
	14000.0000 - 14500.0000 MHz		72M0G7D	88.00 dBW	DIGITAL DATA

13998.5000 - 13998.5000 MHz	1M00G9D	85.00 dBW	COMMAND AND RANGING
13997.5000 - 13997.5000 MHz	750KF2D	85.00 dBW	COMMAND AND RANGING
13995.5000 - 13995.5000 MHz	750KF2D	85.00 dBW	COMMAND AND RANGING
13995.0000 - 13995.0000 MHz	850KF2D	85.00 dBW	COMMAND AND RANGING
13994.5000 - 13994.5000 MHz	1M00G9D	85.00 dBW	COMMAND AND RANGING
13780.0000 - 14000.0000 MHz	62M5G7W	85.00 dBW	Digital Data
13780.0000 - 14000.0000 MHz	1M00G7W	73.30 dBW	Digital Data
13770.0000 - 13780.0000 MHz	62M5G7W	81.20 dBW	Digital Data
13770.0000 - 13780.0000 MHz	36M0G7W	78.80 dBW	Digital Data
13770.0000 - 13780.0000 MHz	5M00G7W	68.00 dBW	Digital Data
13753.0000 - 13753.0000 MHz	850KF2D	85.00 dBW	COMMAND AND RANGING
13750.5000 - 13750.5000 MHz	1M00G9D	85.00 dBW	COMMAND AND RANGING
13750.5000 - 13750.5000 MHz	850KF2D	85.00 dBW	COMMAND AND RANGING
13750.0000 - 13770.0000 MHz	62M5G7W	85.00 dBW	Digital Data
13750.0000 - 13770.0000 MHz	36M0G7W	85.00 dBW	Digital Data
13750.0000 - 13770.0000 MHz	1M00G7W	73.30 dBW	Digital Data
12875.0000 - 13250.0000 MHz	62M5G7W	76.30 dBW	Digital Data
12875.0000 - 13250.0000 MHz	36M0G7W	73.90 dBW	Digital Data
12875.0000 - 13250.0000 MHz	1M00G7W	58.30 dBW	Digital Data
12200.0000 - 12500.0000 MHz	62M5G7W		Digital Data
12200.0000 - 12500.0000 MHz	1M00G7W		Digital Data
12198.0000 - 12200.0000 MHz	N0N		BEACON
12195.0000 - 12200.0000 MHz	500KG7D		TELEMETRY
11950.0000 - 12200.0000 MHz	62M5G7W		Digital Data
11950.0000 - 12200.0000 MHz	1M00G7W		Digital Data
11700.0000 - 12200.0000 MHz	43K0G7D		DIGITAL DATA

11700.0000 - 12200.0000 MHz	72M0G7D	DIGITAL DATA
11700.0000 - 11950.0000 MHz	62M5G7W	Digital Data
11700.0000 - 11950.0000 MHz	1M00G7W	Digital Data
11700.0000 - 11710.0000 MHz	1M60G7D	TELEMETRY
11700.0000 - 11710.0000 MHz	500KG7D	TELEMETRY
11700.0000 - 11705.0000 MHz	N0N	BEACON
11697.0000 - 11700.0000 MHz	N0N	BEACON
11695.0000 - 11700.0000 MHz	500KG7D	TELEMETRY
11450.0000 - 11700.0000 MHz	1M00G7W	Digital Data
11450.0000 - 11700.0000 MHz	250KG7D	Digital Data
11450.0000 - 11700.0000 MHz	43K0G7D	DIGITAL DATA
11450.0000 - 11700.0000 MHz	72M0G7D	DIGITAL DATA
11450.0000 - 11452.0000 MHz	N0N	BEACON
11445.0000 - 11460.0000 MHz	500KG7W	TELEMETRY
11200.0000 - 11450.0000 MHz	62M5G7W	Digital Data
11200.0000 - 11450.0000 MHz	1M00G7W	Digital Data
11199.7500 - 11199.7500 MHz	500KG7D	TELEMETRY
11199.2500 - 11199.2500 MHz	500KG7D	TELEMETRY
11198.0000 - 11198.0000 MHz	500KG7D	TELEMETRY
11196.7500 - 11196.7500 MHz	500KG7D	TELEMETRY
11196.2500 - 11196.2500 MHz	500KG7D	TELEMETRY
11195.5000 - 11195.5000 MHz	500KG7D	TELEMETRY
11194.2500 - 11194.2500 MHz	500KG7D	TELEMETRY
10950.0000 - 11200.0000 MHz	43K0G7D	DIGITAL DATA
10950.0000 - 11200.0000 MHz	72M0G7D	DIGITAL DATA
10700.0000 - 10950.0000 MHz	62M0G7W	Digital Data

10700.0000 - 10950.0000 MHz	1M00G7W		Digital Data
14000.5000 - 14000.5000 MHz	850KF7D	73.20 dBW	TT&C
14494.5000 - 14494.5000 MHz	850KF7D	73.20 dBW	TT&C
11702.0000 - 11702.0000 MHz	850KF7D		TT&C
11700.5000 - 11700.5000 MHz	850KF7D		TT&C
ANTENNA ID: K77	13.1 meters	Vertex/RSI	ST 13.1
14000.0000 - 14500.0000 MHz	62M5G7W	85.00 dBW	Digital Data
14000.0000 - 14500.0000 MHz	36M0G7W	85.00 dBW	Digital Data
14000.0000 - 14500.0000 MHz	1M00G7W	72.70 dBW	Digital Data
13780.0000 - 14000.0000 MHz	62M5G7W	85.00 dBW	Digital Data
13780.0000 - 14000.0000 MHz	36M0G7W	85.00 dBW	Digital Data
13780.0000 - 14000.0000 MHz	1M00G7W	72.70 dBW	Digital Data
13770.0000 - 13780.0000 MHz	62M5G7W	81.20 dBW	Digital Data
13770.0000 - 13780.0000 MHz	36M0G7W	78.80 dBW	Digital Data
13770.0000 - 13780.0000 MHz	5M00G7W	68.00 dBW	Digital Data
13750.0000 - 13770.0000 MHz	62M5G7W	85.00 dBW	Digital Data
13750.0000 - 13770.0000 MHz	36M0G7W	85.00 dBW	Digital Data
13750.0000 - 13770.0000 MHz	1M00G7W	72.70 dBW	Digital Data
12875.0000 - 13250.0000 MHz	62M5G7W	75.70 dBW	Digital Data
12875.0000 - 13250.0000 MHz	36M0G7W	73.30 dBW	Digital Data
12875.0000 - 13250.0000 MHz	1M00G7W	57.70 dBW	Digital Data
12200.0000 - 12500.0000 MHz	62M5G7W		Digital Data
12200.0000 - 12500.0000 MHz	1M00G7W		Digital Data
11950.0000 - 12200.0000 MHz	62M5G7W		Digital Data
11950.0000 - 12200.0000 MHz	1M00G7W		Digital Data
11950.0000 - 12200.0000 MHz	250KG7D		Digital Data

11700.0000 - 11950.0000 MHz	62M0G7W	Digital Data
11700.0000 - 11950.0000 MHz	1M00G7W	Digital Data
11450.0000 - 11700.0000 MHz	250KG7D	Digital Data
11450.0000 - 11700.0000 MHz	1M00G7W	Digital Data
11200.0000 - 11450.0000 MHz	62M5G7W	Digital Data
11200.0000 - 11450.0000 MHz	1M00G7W	Digital Data
10700.0000 - 10950.0000 MHz	62M0G7W	Digital Data
10700.0000 - 10950.0000 MHz	1M00G7W	Digital Data

Points of Communication:

- MTN-1 - GALAXY 23 (S2592) - (121 W.L.)
- MTN-1 - GALAXY 3C (S2381) - (95.05 W.L.)
- MTN-1 - INTELSAT 11 (S2237) - (43.0 W.L.)
- MTN-1 - INTELSAT 16 (S2750) - (58.10 W.L.)
- MTN-1 - INTELSAT 1R (S2368) - (50.1 W.L.)
- MTN-1 - INTELSAT 21 (S2863) - (58.0 W.L.)
- MTN-1 - INTELSAT 29e (S2913) - (50.0 W.L.)
- MTN-1 - INTELSAT 30 (S2887) - (95.05 W.L.)
- MTN-1 - INTELSAT 31 (S2924) - (95.05 W.L.)
- MTN-1 - INTELSAT 9 (S2380) - (29.5 W.L.)
- MTN-1 - PERMITTED LIST - ()

SES-MOD-20170725-00803 E KA258 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 9 (S2380) satellite at the 29.5° W.L. orbital location on center frequencies: 14000.5 MHz and 14494.5 MHz (Earth-to-space), and 11702 MHz and 11700.5-MHz (space-to-Earth).

SITE ID: MTN-K91

LOCATION: 17625 TECHNOLOGY BLVD, WASHINGTON, HAGERSTOWN, MD

39 ° 35 ' 54.60 " N LAT.

77 ° 45 ' 33.00 " W LONG.

ANTENNA ID: 1

14.2 meters

TIW

14.2 METER

17300.0000 - 17800.0000 MHz	2M00F2D	83.30 dBW	TT&C
17300.0000 - 17800.0000 MHz	400KF2D	76.30 dBW	TT&C
14498.0000 - 14498.0000 MHz	950KG7D	74.50 dBW	TT&C
14000.0000 - 14500.0000 MHz	NON	51.10 dBW	IOT
14000.0000 - 14500.0000 MHz	2M00F9D	78.10 dBW	TT&C
14000.0000 - 14500.0000 MHz	400KF9D	71.10 dBW	TT&C
14000.0000 - 14500.0000 MHz	56K0G7W	62.60 dBW	DIGITAL DATA, VOICE AND VIDEO SERVICE
14000.0000 - 14500.0000 MHz	72M0G7W	88.00 dBW	DIGITAL DATA, VOICE AND VIDEO SERVICE
13778.0000 - 14000.0000 MHz	850KF9D	87.00 dBW	TT&C
13750.0000 - 13770.0000 MHz	850KF9D	87.00 dBW	TT&C
13249.5000 - 13249.5000 MHz	950KG7D	87.50 dBW	TT&C
13246.5000 - 13246.5000 MHz	850KF2D	87.00 dBW	TT&C
12200.0000 - 12700.0000 MHz	2M00F2D		TT&C
12200.0000 - 12700.0000 MHz	400KF2D		TT&C
11700.0000 - 12200.0000 MHz	56K0G7W		DIGITAL DATA, VOICE AND VIDEO SERVICE
11700.0000 - 12200.0000 MHz	72M0G7W		DIGITAL DATA, VOICE AND VIDEO SERVICE
11450.0000 - 12200.0000 MHz	NON	0.00 dBW	IOT
11450.0000 - 12200.0000 MHz	800KF9D		TT&C
11450.0000 - 12200.0000 MHz	800KG9D		TT&C
11450.0000 - 12200.0000 MHz	200KF3N		DATA, VOICE AND VIDEO SERVICE
11450.0000 - 12200.0000 MHz	2M00F3N		DATA, VOICE AND VIDEO SERVICE
11447.0000 - 11447.0000 MHz	500KG7D		TT&C
11446.5000 - 11446.5000 MHz	500KG7D		TT&C
11443.5000 - 11443.5000 MHz	500KG7D		TT&C
11443.0000 - 11443.0000 MHz	500KG7D		TT&C

10950.0000 - 11200.0000 MHz	NON	0.00 dBW	IOT
10950.0000 - 11200.0000 MHz	800KG9D	0.00 dBW	TT&C
10950.0000 - 11200.0000 MHz	800KF9D	0.00 dBW	TT&C
10950.0000 - 11200.0000 MHz	2M00F3N		DATA, VOICE AND VIDEO SERVICE
10950.0000 - 11200.0000 MHz	200KF3N		DIGITAL DATA, VOICE AND VIDEO SERVICE
14494.5000 - 14494.5000 MHz	850KF7D	73.20 dBW	TT&C
14000.5000 - 14000.5000 MHz	850KF7D	73.20 dBW	TT&C
11700.5000 - 11700.5000 MHz	850KF7D		TT&C
11702.0000 - 11702.0000 MHz	850KF7D		TT&C

Points of Communication:

- MTN-K91 - INTELSAT 11 (S2237) - (43.0 W.L.)
- MTN-K91 - INTELSAT 16 - (58 W.L.)
- MTN-K91 - INTELSAT 30 (S2887) - (95.05 W.L.)
- MTN-K91 - INTELSAT 31 (S2924) - (95.05 W.L.)
- MTN-K91 - INTELSAT 9 (S2380) - (29.5 W.L.)
- MTN-K91 - PAS-1R - (45.0 W.L.)
- MTN-K91 - PERMITTED LIST - ()
- MTN-K91 - SKY-B1(S2922) - (43.15 W.L.)

SES-MOD-20170804-00855 E E030183 Christopher S. Borghesani dba/CBTV

Application for Modification

Class of Station: Temporary Fixed Earth Station

Nature of Service: Fixed Satellite Service

Christopher S. Borghesani dba/CBTV requests modification its temporary fixed earth station authorization, to change site location to Various, United States and Territories. This station will continue to operate, within current emission designators and related services, with the Permitted List satellites in the 14000-14500 MHz (Earth-to-space), and 11700-12200 MHz (space-to-Earth) frequency bands.

SITE ID: 1
LOCATION: VARIOUS

ANTENNA ID: 1	1.5 meters	SWE-DISH	DA150K
14000.0000 - 14500.0000 MHz	36M0G2W	63.50 dBW	PSK MODULATED DATA
14000.0000 - 14500.0000 MHz	36M0G7W	63.50 dBW	PSK MODULATED DATA

11700.0000 - 12200.0000 MHz	36M0G7W	PSK MODULATED DATA
11700.0000 - 12200.0000 MHz	36M0G2W	PSK MODULATED DATA

Points of Communication:

1 - PERMITTED LIST - ()

SES-STA-20170731-00848 E RBC Signals, LLC
Special Temporary Authority
Class of Station:

RBC Signals, LLC requests special temporary authorization for 180-days to operate a 3.5 meter fixed earth station antenna in Deadhorse, AK to provide tracking, telemetry and command (TT&C) service to the foreign-licensed low-Earth orbit (LEO) mobile-satellite service (MSS) cubesats: "Red Diamond," "Green Diamond" and "Blue Diamond" (the "3 Diamonds") which are licensed by United Kingdom in the 399.926-399.950 MHz (Earth-to-space) and 401.05-401.25 MHz (space-to-Earth) frequency bands.

Points of Communication:

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