



PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION
45 L STREET NE
WASHINGTON D.C. 20554

News media information 202-418-0500
Internet: <http://www.fcc.gov> (or <ftp.fcc.gov>)
TTY (202) 418-2555

Report No. SES-02373

Wednesday June 16, 2021

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-20200811-00852 E E202143 Viasat, Inc.

Application for Authority

Class of Station: Other

Nature of Service: Fixed Satellite Service

SITE ID: Enterprise 1

LOCATION:

ANTENNA ID:	1.8 m	1.87 meters	Viasat, Inc	13138xx
	28350.0000 - 29100.0000 MHz	464MG7D	67.60 dBW	464 MBd digital data carrier
	29500.0000 - 30000.0000 MHz	464MG7D	67.60 dBW	464 MBd digital data carrier
	18300.0000 - 19300.0000 MHz	464MG7D	0.00 dBW	464 MBd digital data carrier
	19700.0000 - 20200.0000 MHz	464MG7D	0.00 dBW	464 MBd digital data carrier
ANTENNA ID:	2.4 m	2.5 meters	Viasat, Inc.	13001xx
	28350.0000 - 29100.0000 MHz	464MG7D	68.20 dBW	464 MBd digital data carrier
	29500.0000 - 30000.0000 MHz	464MG7D	68.20 dBW	464 MBd digital data carrier
	18300.0000 - 19300.0000 MHz	464MG7D	0.00 dBW	464 MBd digital data carrier
	19700.0000 - 20200.0000 MHz	464MG7D	0.00 dBW	464 MBd digital data carrier

Points of Communication:

Enterprise 1 - ViaSat-3 (S2917) - (88.9 W.L.)

Enterprise 1 - VIASAT-89US(S3050) - (88.9 W.L.)

SES-LIC-20201230-01436 E E202212 Microsoft Infrastructure Group, LLC

Application for Authority

Class of Station: Fixed Earth Stations**Nature of Service:** Earth Exploration Satellite Service, Other

SITE ID: Quincy Earth Station

LOCATION: Port Industrial Way, Grant, Quincy, WA

47 ° 14 ' 22.00 " N LAT.

119 ° 53 ' 5.50 " W LONG.

ANTENNA ID:	MS01-S	6.1 meters	Comtech Ground Systems	T355
	2025.0000 - 2110.0000 MHz	140KF1D	72.60 dBW	Telecommand
ANTENNA ID:	MS01-X	6.1 meters	Comtech Ground Systems	T355
	8025.0000 - 8400.0000 MHz	45MG1D	0.00 dBW	Digital/Data Downlink, TT&C
	8025.0000 - 8400.0000 MHz	128KF1D	0.00 dBW	Digital/Data Downlink, TT&C

Points of Communication:

Quincy Earth Station - Planet SKYSAT(S2912) - (NGSO)

Quincy Earth Station - Planet SKYSAT(S2912) - (NGSO)

SES-LIC-20210311-00469 E E210049 SpaceX Services, Inc.

Application for Authority

Class of Station: Fixed Earth Stations**Nature of Service:** Fixed Satellite Service

SpaceX Services, Inc. seeks authority for a new Ka-band gateway earth station located in Lawrence, KS. The earth station would operate in the 29.5-30.00 GHz and 28.35-29.10 GHz (Earth-to-space) and 18.80-19.30 GHz, 17.80-18.60 GHz (space-to-Earth) and communicate with the SpaceX (S2983/3018) NGSO constellation.

SITE ID: 1

LOCATION: (Lawrence, KS Gateway), Douglas, Lawrence, KS

39 ° 0 ' 50.00 " N LAT.

95 ° 8 ' 57.80 " W LONG.

ANTENNA ID:	CO-1	1.47 meters	SpaceX	1.47M
	17800.0000 - 18600.0000 MHz	480MD7W	0.00 dBW	BPSK up to 64 QAM; Digital Data
	18800.0000 - 19300.0000 MHz	480MD7W	0.00 dBW	BPSK up to 64 QAM; Digital Data
	28350.0000 - 29100.0000 MHz	480MD7W	60.50 dBW	BPSK up to 64 QAM; Digital Data

29500.0000 - 30000.0000 MHz	480MD7W	60.50 dBW	BPSK up to 64 QAM; Digital Data
-----------------------------	---------	-----------	---------------------------------

Points of Communication:

1 - SPACEEX (S2983/3018) - (NGSO)

SES-LIC-20210311-00470 E E210050 SpaceX Services, Inc.

Application for Authority

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SpaceX Services, Inc. seeks authority for a new Ka-band gateway earth station located in Fort Lauderdale, FL. The earth station would operate in the 29.5-30.00 GHz and 28.35-29.10 GHz (Earth-to-space) and 18.80-19.30 GHz, 17.80-18.60 GHz (space-to-Earth) and communicate with the SpaceX (S2983/3018) NGSO constellation.

SITE ID: 1

LOCATION: (FtLauderdale Gateway), Broward, Fort Lauderdale, FL
26 ° 11 ' 27.10 " N LAT. 80 ° 11 ' 35.10 " W LONG.

ANTENNA ID:	CO-1	1.47 meters	SpaceX	1.47M
17800.0000 - 18600.0000 MHz	480MD7W	0.00 dBW	BPSK up to 64 QAM; Digital Data	
18800.0000 - 19300.0000 MHz	480MD7W	0.00 dBW	BPSK up to 64 QAM; Digital Data	
28350.0000 - 29100.0000 MHz	480MD7W	60.50 dBW	BPSK up to 64 QAM; Digital Data	
29500.0000 - 30000.0000 MHz	480MD7W	60.50 dBW	BPSK up to 64 QAM; Digital Data	

Points of Communication:

1 - SPACEEX (S2983/3018) - (NGSO)

SES-LIC-20210311-00472 E E210052 SpaceX Services, Inc.

Application for Authority

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SpaceX Services, Inc. seeks authority for a new Ka-band gateway earth station located in Norcross, GA. The earth station would operate in the 29.5-30.00 GHz and 28.35-29.10 GHz (Earth-to-space) and 18.80-19.30 GHz, 17.80-18.60 GHz (space-to-Earth) and communicate with the SpaceX (S2983/3018) NGSO constellation.

SITE ID: Norcross, GA Gateway

LOCATION: Gwinnett, Norcross, GA
33 ° 57 ' 17.90 " N LAT. 84 ° 11 ' 52.70 " W LONG.

ANTENNA ID:	CO-1	1.47 meters	SpaceX	1.47M
17800.0000 - 18600.0000 MHz	480MD7W	0.00 dBW	BPSK up to 64 QAM; Digital Data	
18800.0000 - 19300.0000 MHz	480MD7W	0.00 dBW	BPSK up to 64 QAM; Digital Data	

28350.0000 - 29100.0000 MHz	480MD7W	60.50 dBW	BPSK up to 64 QAM; Digital Data
29500.0000 - 30000.0000 MHz	480MD7W	60.50 dBW	BPSK up to 64 QAM; Digital Data

Points of Communication:

Norcross, GA Gateway - SPACEX (S2983/3018) - (NGSO)

SES-LIC-20210527-00861 E E210114 SpaceX Services, Inc.

Application for Authority

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Nome, AK

LOCATION: Nome Census Area, Nome, AK

64 ° 30 ' 12.60 " N LAT.

165 ° 25 ' 41.90 " W LONG.

ANTENNA ID: CO-1 1.47 meters SpaceX 1.47M

18800.0000 - 19300.0000 MHz	480MD7W	0.00 dBW	BPSK up to 64 QAM; Digital Data
17800.0000 - 18600.0000 MHz	480MD7W	0.00 dBW	BPSK up to 64 QAM; Digital Data
28350.0000 - 29100.0000 MHz	480MD7W	60.50 dBW	BPSK up to 64 QAM; Digital Data
29500.0000 - 30000.0000 MHz	480MD7W	60.50 dBW	BPSK up to 64 QAM; Digital Data

Points of Communication:

Nome, AK - SPACEX (S2983/3018) - (NGSO)

SES-MOD-20200831-00940 E E190037 ATLAS Space Operations, Inc

Application for Modification

Class of Station: Fixed Earth Stations

Nature of Service: Earth Exploration Satellite Service, Mobile Satellite Service

Atlas Space Operations, Inc. requests modification of its fixed earth station in Dededo, GU to add points of communication GNOMES-1, experimental call sign WK2XIU, and GNOMES-2, experimental call sign WL2XES and to add a new emission designator to Antenna ID 1 to communicate with those satellites in the 2080.9-2081.1 MHz (Earth-to-space) and 8250-8270 MHz (space-to-Earth) frequency bands.

SITE ID: 1

LOCATION: Birandan Anakko, Guam, Dededo, GU

13 ° 30 ' 48.80 " N LAT.

144 ° 49 ' 31.10 " E LONG.

ANTENNA ID: 1 3.7 meters ORBIT GAIA-100

8025.0000 - 8225.0000 MHz	200MG1D		Digital Data Carrier OQPSK
2071.7750 - 2071.9750 MHz	200KF1D	52.00 dBW	Digital Data Carrier GMSK
8250.0000 - 8270.0000 MHz	20M0G1D		Digital Data Carrier QPSK

2080.9000 - 2081.1000 MHz	200KF1D	52.00 dBW	Digital Data Carrier BPSK
ANTENNA ID: 2	3 meters	M2 Antenna Systems	450CP34/400CP30
450.1850 - 450.2150 MHz	30K0F1D	29.00 dBW	Digital Data Carrier GMSK
401.4850 - 401.5150 MHz	30K0F1D		Digital Data Carrier GMSK

Points of Communication:

- 1 - Global 1-16 (S3032) - (NGSO)
- 1 - GNOMES-1 (WK2XIU) - (NGSO)
- 1 - GNOMES-2 (WL2XES) - (NGSO)

SES-MOD-20201215-01381 E E050099 GUSA Licensee LLC

Application for Modification

Class of Station: Fixed Earth Stations

Nature of Service: Mobile Satellite Service

GUSA Licensee LLC (together with its parent Globalstar Inc., (Globalstar)) requests modification of its feeder link earth station antenna in Sebring, FL to operate a second-generation feeder link earth station antenna under this license to transmit a new waveform in the 5091-5250 MHz (Earth-to-space) and 6875-7055 MHz (space-to-Earth) frequency bands.

SITE ID: SBRG-3

LOCATION: BUILDING #735 185 SABRE DR., HIGHLANDS, SEBRING, FL

27 ° 27 ' 35.60 " N LAT.

81 ° 21 ' 28.40 " W LONG.

ANTENNA ID: SBR RFT3	6 meters	Cobham SATCOM	SeaTel
6875.9500 - 6877.1500 MHz	7K00G1D		Telemetry Carrier
6875.9000 - 6879.1000 MHz	70K0G7D		Telemetry Carrier
6875.0000 - 7055.0000 MHz	1M23XXX		White- noise- modulated carrier for testing
6875.0000 - 7055.0000 MHz	2M50G2D		Direct-sequence CDMA for single-carrier telemetry data
6875.0000 - 7055.0000 MHz	1M23G2W		Direct-sequence CDMA for single-carrier AMSS
6875.0000 - 7055.0000 MHz	1M23G7W		CDMA VOICE AND DATA
6875.0000 - 7055.0000 MHz	2M46G7W		Wideband CDMA voice and data
6875.0000 - 7055.0000 MHz	2M46G2W		Wideband CDMA for single-carrier AMSS
6875.0000 - 7055.0000 MHz	N0N		Unmodulated CW for testing

5096.0000 - 5250.0000 MHz	N0N	59.00 dBW	Unmodulated CW for testing; maximum EIRP density per carrier is 59.0 dBW in any bandwidth.
5096.0000 - 5250.0000 MHz	1M23G2W	55.00 dBW	Direct-sequence CDMA for single-carrier AMSS
5096.0000 - 5250.0000 MHz	1M23G7W	55.00 dBW	CDMA Voice and Data
5096.0000 - 5250.0000 MHz	1M23XXX	59.00 dBW	White- noise- modulated carrier for testing
5096.0000 - 5250.0000 MHz	2M46G7W	55.00 dBW	Wideband CDMA voice and data
5096.0000 - 5250.0000 MHz	2M46G2W	55.00 dBW	Wideband CDMA for single-carrier AMSS
5091.3800 - 5091.6200 MHz	40K0G2D	68.00 dBW	Telecommand Carrier
5096.0000 - 5250.0000 MHz	4M50G7D	68.00 dBW	Burst mode packet data with π/2-BPSK modulation
6900.0000 - 7055.0000 MHz	2M50G7D		Direct-sequence CDMA for single-carrier telemetry data
6900.0000 - 7055.0000 MHz	2M50G2D		Direct-sequence CDMA for single-carrier telemetry data
5091.0000 - 5092.0000 MHz	76K0F2D	68.00 dBW	FM subcarrier on telecommand carrier
6900.0000 - 7055.0000 MHz	1M23G2W		Direct-sequence CDMA for single-carrier AMSS
6900.0000 - 7055.0000 MHz	280KG7D		Burst mode packet data with BPSK modulation
6900.0000 - 7055.0000 MHz	230KG7D		Burst mode packet data with BPSK modulation
6900.0000 - 7055.0000 MHz	200KG7D		Burst mode packet data with BPSK modulation
6900.0000 - 7055.0000 MHz	1M23XXX		White- noise- modulated carrier for testing
6900.0000 - 7055.0000 MHz	2M46G2W		Wideband CDMA for single-carrier AMSS
6900.0000 - 7055.0000 MHz	2M46G7W		Wideband CDMA voice and data
6900.0000 - 7055.0000 MHz	N0N		Unmodulated CW for testing
6900.0000 - 7055.0000 MHz	1M23G7W		CDMA Voice and Data

Points of Communication:

SBRG-3 - GLOBALSTAR (S2115) - (NGSO)

SBRG-3 - GLOBALSTAR 2.0 - (NGSO)

SES-MOD-20210118-00061 E E160032 Spire Global, Inc.

Application for Modification

Class of Station: Fixed Earth Stations

Nature of Service: Earth Exploration Satellite Service, Other

Spire Global, Inc. requests modification to relocate its fixed earth station to Freeport, PA, change its UHF-1 antenna to a different model, to add another antenna as UHF-2, and to change the Site ID from BDLGS to PITGS, in order to communicate with the LEMUR NGSO (S2946) and MINAS NGSO (S3045) satellites in the 402-403 MHz (Earth-to-space), and 402-403 MHz and 2020-2025 MHz (space-to-Earth) frequency bands.

SITE ID: PITGS

LOCATION: 161 ARMSTRONG DR., PA, FREEPORT, PA

40 ° 45 ' 8.00 " N LAT.

79 ° 38 ' 14.00 " W LONG.

ANTENNA ID:	UHF-1	1.85 meters	M2 ANTENNA SYSTEMS	401CP14
	402.0000 - 403.0000 MHz		15K0F1D 29.95 dBW	Digital/TT&C Uplink
	402.0000 - 403.0000 MHz		15K0F1D	Digital/Data Downlink and TT&C Downlink
ANTENNA ID:	SBAND-1	1.2 meters	ARA-SEAVEY	C1502-800
	2020.0000 - 2025.0000 MHz		5M00W1D	Digital/Data Downlink
ANTENNA ID:	UHF-2	1.85 meters	M2 ANTENNA SYSTEMS	401CP14
	402.0000 - 403.0000 MHz		15K0F1D 29.95 dBW	Digital/TT&C Uplink
	402.0000 - 403.0000 MHz		15K0F1D	Digital/Data Downlink and TT&C Downlink

Points of Communication:

PITGS - LEMUR NGSO (S2946) - (NGSO)

PITGS - MINAS NGSO (S3045) - (NGSO)

SES-MOD-20210524-00842 E E120239 Hearst Properties Inc.

Application for Modification

Class of Station: Temporary Fixed Earth Station

Nature of Service: Fixed Satellite Service

Hearst Properties Inc. requests modification of its temporary-fixed earth station to replace the antenna 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: 1

LOCATION: (WXII-TV NEW SNG TRUCK), VARIOUS

ANTENNA ID:	1	1.45 meters	SAT-LITE	1411
	14000.0000 - 14500.0000 MHz	36M0G7W	64.71 dBW	Video, audio, and data
	14000.0000 - 14500.0000 MHz	3M50G7W	60.20 dBW	Video, audio, and data
	14000.0000 - 14500.0000 MHz	36M0D7W	64.71 dBW	Digital Video, audio, and data
	14000.0000 - 14500.0000 MHz	3M50D7W	60.20 dBW	Digital Video, audio, and data
	11700.0000 - 12200.0000 MHz	36M0G7W	0.00 dBW	Video, audio, and data
	11700.0000 - 12200.0000 MHz	3M50G7W	0.00 dBW	Video, audio, and data
	11700.0000 - 12200.0000 MHz	36M0D7W	0.00 dBW	Digital Video, audio, and data
	11700.0000 - 12200.0000 MHz	3M50D7W	0.00 dBW	Digital Video, audio, and data

Points of Communication:

1 - PERMITTED LIST - ()

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