



# 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>)  
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**Report No. SES-02531**

**Wednesday January 11, 2023**

## 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.

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**SES-AMD-20221129-01285** E E220146 WML Services, LLC

Amendment

**Class of Station:** Temporary Fixed Earth Station

**Nature of Service:** Fixed Satellite Service

WML Services, Inc. requests amendment of SES-LIC-20220915-00991 to change the antenna.

SITE ID: WML - NS-3 LA2

LOCATION:

ANTENNA ID:	NS-3	1.8 meters	AVL Technologies	1810
	14000.0000 - 14500.0000 MHz	4M00G7F	64.28 dBW	Compressed Digital Video and Audio
	14000.0000 - 14500.0000 MHz	36M0G7F	72.52 dBW	Compressed Digital Video and Audio
	11700.0000 - 12200.0000 MHz	4M00G7F	0.00 dBW	Compressed Digital Video and Audio
	11700.0000 - 12200.0000 MHz	36M0G7F	0.00 dBW	Compressed Digital Video and Audio

### Points of Communication:

WML - NS-3 LA2 - PERMITTED LIST - ()

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**SES-AMD-20221216-01366** E E210127 SpaceX Services, Inc.

Amendment

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

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SpaceX Services Inc. requests amendment of IBFS File No. SES-MOD-20211216-01909 to communicate with the non-geostationary (NGSO) Gen2 Starlink satellite constellation in the 14000-14500 MHz (Earth-to-space), and 10700-12700 MHz (space-to-Earth) frequency bands.

SITE ID: SpaceX UT2 Blanket  
LOCATION: ALL CONTIGUOUS US/TERRITORIES AK, HI, PR, USVI, GU, AS, USNMI

ANTENNA ID:	UT-2	0.42 meters	SpaceX	UTA 205/206/207
	14000.0000 - 14500.0000 MHz	60M0D7W	38.20 dBW	BPSK up to 64QAM; Digital Data
	10700.0000 - 12700.0000 MHz	240MD7W	0.00 dBW	BPSK up to 64QAM; Digital Data

**Points of Communication:**

SpaceX UT2 Blanket - Gen2 Starlink - (NGSO)

SpaceX UT2 Blanket - SPACEEX (S2983/3018) - (NGSO)

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**SES-AMD-20221221-01418** E E220122 SpaceX Services, Inc.  
Amendment

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SpaceX Services, Inc. requests amendment of IBFS File No. SES-LIC-20220822-00894 to communicate with the non-geostationary (NGSO) SpaceX Gen2 (S3069) satellite constellation in the 29500-30000 MHz and 27500-29100 MHz (Earth-to-space), and 18800-19300 MHz and 17800-18600 MHz (space-to-Earth) frequency bands.

SITE ID: Anchorage AK Gateway  
LOCATION: Anchorage, Anchorage, AK  
61 ° 11 ' 9.10 " N LAT. 149 ° 52 ' 36.80 " W LONG.

ANTENNA ID:	CO-1	1.47 meters	SpaceX	1.47M
	29500.0000 - 30000.0000 MHz	480MD7W	60.50 dBW	BPSK up to 64 QAM; Digital Data
	27500.0000 - 29100.0000 MHz	480MD7W	60.50 dBW	BPSK up to 64 QAM; Digital Data
	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

**Points of Communication:**

Anchorage AK Gateway - SPACEEX (S2983/3018) - (NGSO)

Anchorage AK Gateway - SpaceX GEN2 NGSO (S6 - (NGSO))

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**SES-AMD-20221222-01429** E E210417 SpaceX Services, Inc.  
Amendment

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

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SpaceX Services, Inc. requests amendment of IBFS File No. SES-LIC-20220822-00894 to communicate with the non-geostationary (NGSO) SpaceX Gen2 (S3069) satellite constellation in the 29500-30000 MHz and 27500-29100 MHz (Earth-to-space), and 18800-19300 MHz and 17800-18600 MHz (space-to-Earth) frequency bands.

SITE ID: Molokai HI Gateway  
LOCATION: Maui, Molokai, HI  
21 ° 6 ' 33.60 " N LAT. 157 ° 3 ' 50.20 " W LONG.

ANTENNA ID:	CO-1	1.47 meters	SpaceX	1.47M
	29500.0000 - 30000.0000 MHz	480MD7W	60.50 dBW	BPSK up to 64 QAM; Digital Data
	27500.0000 - 29100.0000 MHz	480MD7W	60.50 dBW	BPSK up to 64 QAM; Digital Data
	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

**Points of Communication:**

Molokai HI Gateway - SPACEX (S2983/3018) - (NGSO)

Molokai HI Gateway - SpaceX GEN2 NGSO (S6 - (NGSO))

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**SES-AMD-20221222-01431** E E220007 SpaceX Services, Inc.  
Amendment

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SpaceX Services, Inc. requests amendment of IBFS File No. SES-LIC-20220119-00064 to communicate with the non-geostationary (NGSO) SpaceX Gen2 (S3069) satellite constellation in the 29500-30000 MHz and 27500-29100 MHz (Earth-to-space), and 18800-19300 MHz and 17800-18600 MHz (space-to-Earth) frequency bands.

SITE ID: Ponce PR Gateway  
LOCATION: Ponce, Ponce, PR  
18 ° 3 ' 43.10 " N LAT. 66 ° 32 ' 52.20 " W LONG.

ANTENNA ID:	CO-1	1.47 meters	SpaceX	1.47M
	29500.0000 - 30000.0000 MHz	480MD7W	60.50 dBW	BPSK up to 64 QAM; Digital Data
	27500.0000 - 29100.0000 MHz	480MD7W	60.50 dBW	BPSK up to 64 QAM; Digital Data
	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

**Points of Communication:**

Ponce PR Gateway - SPACEX (S2983/3018) - (NGSO)

Ponce PR Gateway - SpaceX GEN2 NGSO (S6 - (NGSO))

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**SES-AMD-20221222-01434** E E220025 SpaceX Services, Inc.

Amendment

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SpaceX Services, Inc. requests amendment of IBFS File No. SES-LIC-20220204-00164 to communicate with the non-geostationary (NGSO) SpaceX Gen2 (S3069) satellite constellation in the 29500-30000 MHz and 27500-29100 MHz (Earth-to-space), and 18800-19300 MHz and 17800-18600 MHz (space-to-Earth) frequency bands.

SITE ID: Toa Baja PR Gateway

LOCATION: Toa Baja, Toa Baja, PR

18 ° 25 ' 51.80 " N LAT.

66 ° 11 ' 31.50 " W LONG.

ANTENNA ID:	CO-1	1.47 meters	SpaceX	1.47M
	29500.0000 - 30000.0000 MHz	480MD7W	60.50 dBW	BPSK up to 64 QAM; Digital Data
	27500.0000 - 29100.0000 MHz	480MD7W	60.50 dBW	BPSK up to 64 QAM; Digital Data
	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

**Points of Communication:**

Toa Baja PR Gateway - SPACEX (S2983/3018) - (NGSO)

Toa Baja PR Gateway - SpaceX GEN2 NGSO (S6 - (NGSO))

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**SES-LIC-20200410-00399** E E201606 SpaceX Services, Inc.

Application for Authority

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

See IBFS File No. SES-AMD-20221221-01417, SpaceX Services, Inc. requests amendment of IBFS File No. SES-LIC-20200410-00399 to communicate with the non-geostationary (NGSO) SpaceX Gen2 (S3069) satellite constellation in the 29500-30000 MHz and 27500-29100 MHz (Earth-to-space), and 18800-19300 MHz and 17800-18600 MHz (space-to-Earth) frequency bands.

SITE ID: Litchfield CT Gate

LOCATION: Litchfield, Litchfield, CT

41 ° 32 ' 42.10 " N LAT.

73 ° 21 ' 14.50 " W LONG.

ANTENNA ID:	CO-1	1.47 meters	SpaceX	1.47M
	17800.0000 - 18600.0000 MHz	480MD7W	0.00 dBW	Modulation and Services BPSK up to 64 QAM; Digital Data
	18800.0000 - 19300.0000 MHz	480MD7W	0.00 dBW	Modulation and Services BPSK up to 64 QAM; Digital Data
	27500.0000 - 29100.0000 MHz	480MD7W	60.50 dBW	Modulation and Services BPSK up to 64 QAM; Digital Data

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29500.0000 - 30000.0000 MHz	480MD7W	60.50 dBW	Modulation and Services BPSK up to 64 QAM; Digital Data
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**Points of Communication:**

Litchfield CT Gate - SPACEX (S2983/3018) - (NGSO)

Litchfield CT Gate - SpaceX GEN2 NGSO (S6 - (NGSO))

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**SES-LIC-20210915-01588** E E210417 SpaceX Services, Inc.

Application for Authority

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

See IBFS File No. SES-AMD-20221222-01429, SpaceX Services, Inc. requests amendment of IBFS File No. SES-LIC-20210915-01588 to communicate with the non-geostationary (NGSO) SpaceX Gen2 (S3069) satellite constellation in the 29500-30000 MHz and 27500-29100 MHz (Earth-to-space), and 18800-19300 MHz and 17800-18600 MHz (space-to-Earth) frequency bands.

SITE ID: Molokai HI Gateway

LOCATION: Maui, Molokai, HI

21 ° 6 ' 33.60 " N LAT.

157 ° 3 ' 50.20 " 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	
27500.0000 - 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:**

Molokai HI Gateway - SPACEX (S2983/3018) - (NGSO)

Molokai HI Gateway - SpaceX GEN2 NGSO (S6 - (NGSO))

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**SES-LIC-20220119-00064** E E220007 SpaceX Services, Inc.

Application for Authority

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

See IBFS File No. SES-AMD-20221222-01431, SpaceX Services, Inc. requests amendment of IBFS File No. SES-LIC-20220119-00064 to communicate with the non-geostationary (NGSO) SpaceX Gen2 (S3069) satellite constellation in the 29500-30000 MHz and 27500-29100 MHz (Earth-to-space), and 18800-19300 MHz and 17800-18600 MHz (space-to-Earth) frequency bands.

SITE ID: Ponce PR Gateway

LOCATION: Ponce, Ponce, PR

18 ° 3 ' 43.10 " N LAT.

66 ° 32 ' 52.20 " W LONG.

ANTENNA ID:	CO-1	1.47 meters	SpaceX	1.47M
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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
27500.0000 - 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:**

Ponce PR Gateway - SPACEX (S2983/3018) - (NGSO)

Ponce PR Gateway - SpaceX GEN2 NGSO (S6 - (NGSO)

**SES-LIC-20220204-00164** E E220025 SpaceX Services, Inc.

Application for Authority

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

See IBFS File No. SES-AMD-20221222-01434, SpaceX Services, Inc. requests amendment of IBFS File No. SES-LIC-20220204-00164 to communicate with the non-geostationary (NGSO) SpaceX Gen2 (S3069) satellite constellation in the 29500-30000 MHz and 27500-29100 MHz (Earth-to-space), and 18800-19300 MHz and 17800-18600 MHz (space-to-Earth) frequency bands.

SITE ID: Toa Baja PR Gateway

LOCATION: Toa Baja, Toa Baja, PR

18 ° 25 ' 51.80 " N LAT.

66 ° 11 ' 31.50 " 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
27500.0000 - 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:**

Toa Baja PR Gateway - SPACEX (S2983/3018) - (NGSO)

Toa Baja PR Gateway - SpaceX GEN2 NGSO (S6 - (NGSO)

**SES-LIC-20220822-00894** E E220122 SpaceX Services, Inc.

Application for Authority

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

See IBFS File No. SES-AMD-20221221-01418, SpaceX Services, Inc. requests amendment of IBFS File No. SES-LIC-20220822-00894 to communicate with the non-geostationary (NGSO) SpaceX Gen2 (S3069) satellite constellation in the 29500-30000 MHz and 27500-29100 MHz (Earth-to-space), and 18800-19300 MHz and 17800-18600 MHz (space-to-Earth) frequency bands.

SITE ID: Anchorage AK Gateway  
 LOCATION: Anchorage, Anchorage, AK  
 61 ° 11 ' 9.10 " N LAT. 149 ° 52 ' 36.80 " 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
	27500.0000 - 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:**

Anchorage AK Gateway - SPACEX (S2983/3018) - (NGSO)

Anchorage AK Gateway - SpaceX GEN2 NGSO (S6 - (NGSO))

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**SES-LIC-20220829-00925** E E220133 Intelsat License LLC

Application for Authority

**Class of Station:** Other

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
 LOCATION: 2875 Fork Creek Church Road, Ellenwood, GA  
 0 ° 0 ' 0.00 " N LAT. 0 ° 0 ' 0.00 " W LONG.

ANTENNA ID:	AVL 60 cm	0.6 meters	AVL	AVL0614
	14000.0000 - 14500.0000 MHz	1M56G7W	39.30 dBW	Digital data
	14000.0000 - 14500.0000 MHz	998KG7W	36.60 dBW	Digital data
	14000.0000 - 14500.0000 MHz	2M40G7W	41.10 dBW	Digital data
	11700.0000 - 12200.0000 MHz	14M9G7W		Digital data
ANTENNA ID:	AVL 75 cm	0.75 meters	AVL	AVL0714
	14000.0000 - 14500.0000 MHz	1M56G7W	42.20 dBW	Digital data
	14000.0000 - 14500.0000 MHz	998KG7W	40.39 dBW	Digital data
	14000.0000 - 14500.0000 MHz	2M40G7W	44.60 dBW	Digital data
	11700.0000 - 12200.0000 MHz	14M9G7W		Digital data
ANTENNA ID:	AVL 98 cm	0.98 meters	AVL	AVL0914
	14000.0000 - 14500.0000 MHz	1M56G7W	50.00 dBW	Digital data

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14000.0000 - 14500.0000 MHz	998KG7W	47.27 dBW	Digital data
14000.0000 - 14500.0000 MHz	2M40G7W	51.70 dBW	Digital data
11700.0000 - 12200.0000 MHz	14M9G7W		Digital data
ANTENNA ID: AVL 135 cm	1.35 meters	AVL	AVL1314
14000.0000 - 14500.0000 MHz	1M56G7W	54.00 dBW	Digital data
14000.0000 - 14500.0000 MHz	998KG7W	51.40 dBW	Digital data
14000.0000 - 14500.0000 MHz	2M40G7W	55.30 dBW	Digital data
11700.0000 - 12200.0000 MHz	14M9G7W		Digital data
ANTENNA ID: FL30P .3m	0.3 meters	Starwin	FL30P-M
14000.0000 - 14500.0000 MHz	1M29G7W	35.10 dBW	Digital data
14000.0000 - 14500.0000 MHz	996KG7W	34.00 dBW	Digital data
14000.0000 - 14500.0000 MHz	4M32G7W	40.30 dBW	Digital data
11700.0000 - 12200.0000 MHz	14M9G7W		Digital data
ANTENNA ID: FL60P .6m	0.6 meters	Starwin	FL60-P
14000.0000 - 14500.0000 MHz	1M29G7W	41.30 dBW	Digital data
14000.0000 - 14500.0000 MHz	996KG7W	40.20 dBW	Digital data
14000.0000 - 14500.0000 MHz	4M32G7W	43.00 dBW	Digital data
11700.0000 - 12200.0000 MHz	14M9G7W		Digital data
ANTENNA ID: ULV .6m	0.6 meters	Gigasat	ULV
14000.0000 - 14500.0000 MHz	707KG7W	39.50 dBW	Digital data
14000.0000 - 14500.0000 MHz	998KG7W	41.00 dBW	Digital data
14000.0000 - 14500.0000 MHz	467KG7W	35.20 dBW	Digital data
11700.0000 - 12200.0000 MHz	14M9G7W		Digital data

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-LIC-20220915-00984** E E220139 WML Services, LLC

Application for Authority

**Class of Station:** Temporary Fixed Earth Station

**Nature of Service:** Fixed Satellite Service

SITE ID: WML- NT-7 DAL

LOCATION:

ANTENNA ID:	#8	2.4 meters	AVL Technologies	2410
	11700.0000 - 12200.0000 MHz	36M0G7F	0.00 dBW	Compressed Digital Video and Audio
	11700.0000 - 12200.0000 MHz	4M00G7F	0.00 dBW	Compressed Digital Video and Audio
	14000.0000 - 14500.0000 MHz	36M0G7F	73.82 dBW	Compressed Digital Video and Audio
	14000.0000 - 14500.0000 MHz	4M00G7F	64.28 dBW	Compressed Digital Video and Audio

**Points of Communication:**

WML- NT-7 DAL - PERMITTED LIST - ()

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**SES-LIC-20220915-00985** E E220140 WML Services, LLC

Application for Authority

**Class of Station:** Temporary Fixed Earth Station

**Nature of Service:** Fixed Satellite Service

SITE ID: WML - NT-7 MIA

LOCATION:

ANTENNA ID:	#9	2.4 meters	AVL Technologies	2410
	11700.0000 - 12200.0000 MHz	36M0G7F	0.00 dBW	Compressed Digital Video and Audio
	11700.0000 - 12200.0000 MHz	4M00G7F	0.00 dBW	Compressed Digital Video and Audio
	14000.0000 - 14500.0000 MHz	36M0G7F	73.82 dBW	Compressed Digital Video and Audio
	14000.0000 - 14500.0000 MHz	4M00G7F	64.28 dBW	Compressed Digital Video and Audio

**Points of Communication:**

WML - NT-7 MIA - PERMITTED LIST - ()

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**SES-LIC-20220915-00986** E E220141 WML Services, LLC

Application for Authority

**Class of Station:** Temporary Fixed Earth Station

**Nature of Service:** Fixed Satellite Service

SITE ID: WML - NS-5 DC1

LOCATION:

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ANTENNA ID: #3	2.4 meters	AVL Technologies	2410
11700.0000 - 12200.0000 MHz	36M0G7F	0.00 dBW	Compressed Digital Video and Audio
11700.0000 - 12200.0000 MHz	4M00G7F	0.00 dBW	Compressed Digital Video and Audio
14000.0000 - 14500.0000 MHz	36M0G7F	73.82 dBW	Compressed Digital Video and Audio
14000.0000 - 14500.0000 MHz	4M00G7F	64.28 dBW	Compressed Digital Video and Audio

**Points of Communication:**

WML - NS-5 DC1 - PERMITTED LIST - ()

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**SES-LIC-20220915-00987** E E220142 WML Services, LLC

Application for Authority

**Class of Station:** Temporary Fixed Earth Station

**Nature of Service:** Fixed Satellite Service

SITE ID: WML - NT-7 NY1

LOCATION:

ANTENNA ID: #6	2.4 meters	AVL Technologies	2410
11700.0000 - 12200.0000 MHz	36M0G7F	0.00 dBW	Compressed Digital Video and Audio
11700.0000 - 12200.0000 MHz	4M00G7F	0.00 dBW	Compressed Digital Video and Audio
14000.0000 - 14500.0000 MHz	36M0G7F	73.82 dBW	Compressed Digital Video and Audio
14000.0000 - 14500.0000 MHz	4M00G7F	64.28 dBW	Compressed Digital Video and Audio

**Points of Communication:**

WML - NT-7 NY1 - PERMITTED LIST - ()

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**SES-LIC-20220915-00988** E E220143 WML Services, LLC

Application for Authority

**Class of Station:** Temporary Fixed Earth Station

**Nature of Service:** Fixed Satellite Service

SITE ID: WML - NT-7 SFO

LOCATION:

ANTENNA ID: #5	2.4 meters	AVL Technologies	2410
11700.0000 - 12200.0000 MHz	36M0G7F	0.00 dBW	Compressed Digital Video and Audio
11700.0000 - 12200.0000 MHz	4M00G7F	0.00 dBW	Compressed Digital Video and Audio
14000.0000 - 14500.0000 MHz	36M0G7F	73.82 dBW	Compressed Digital Video and Audio

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14000.0000 - 14500.0000 MHz	4M00G7F	64.28 dBW	Compressed Digital Video and Audio
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**Points of Communication:**

WML - NT-7 SFO - PERMITTED LIST - ()

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**SES-LIC-20220915-00991** E E220146 WML Services, LLC

Application for Authority

**Class of Station:** Temporary Fixed Earth Station

**Nature of Service:** Fixed Satellite Service

See IBFS File No. SES-AMD-20221129-01285, WML Services, Inc. requests amendment to change the antenna.

SITE ID: WML - NS-3 LA2

LOCATION:

ANTENNA ID: NS-3	1.8 meters	AVL Technologies	1810
11700.0000 - 12200.0000 MHz	36M0G7F	0.00 dBW	Compressed Digital Video and Audio
11700.0000 - 12200.0000 MHz	4M00G7F	0.00 dBW	Compressed Digital Video and Audio
14000.0000 - 14500.0000 MHz	36M0G7F	72.52 dBW	Compressed Digital Video and Audio
14000.0000 - 14500.0000 MHz	4M00G7F	64.28 dBW	Compressed Digital Video and Audio

**Points of Communication:**

WML - NS-3 LA2 - PERMITTED LIST - ()

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**SES-LIC-20220915-00997** E E220149 WML Services, LLC

Application for Authority

**Class of Station:** Temporary Fixed Earth Station

**Nature of Service:** Fixed Satellite Service

SITE ID: WML - NS-4 NY3

LOCATION: All US Territories, CONUS, AK, HI,

ANTENNA ID: NS-4	2.4 meters	AVL Technologies	2400
11700.0000 - 12200.0000 MHz	36M0G7F	0.00 dBW	Compressed Digital Video and Audio
11700.0000 - 12200.0000 MHz	4M00G7F	0.00 dBW	Compressed Digital Video and Audio
14000.0000 - 14500.0000 MHz	36M0G7F	73.82 dBW	Compressed Digital Video and Audio
14000.0000 - 14500.0000 MHz	4M00G7F	64.28 dBW	Compressed Digital Video and Audio

**Points of Communication:**

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**SES-LIC-20220915-00998** E E220150 WML Services, LLC

Application for Authority

**Class of Station:** Temporary Fixed Earth Station

**Nature of Service:** Fixed Satellite Service

SITE ID: WML - NS-7 DC2

LOCATION: All US Territories, CONUS, AK, HI,

ANTENNA ID:	NS-7	1.8 meters	AVL Technologies	1810
	11700.0000 - 12200.0000 MHz	36M0G7F	0.00 dBW	Compressed Digital Video and Audio
	11700.0000 - 12200.0000 MHz	4M00G7F	0.00 dBW	Compressed Digital Video and Audio
	14000.0000 - 14500.0000 MHz	36M0G7F	73.82 dBW	Compressed Digital Video and Audio
	14000.0000 - 14500.0000 MHz	4M00G7F	64.28 dBW	Compressed Digital Video and Audio

**Points of Communication:**

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**SES-LIC-20220915-01002** E E220154 WML Services, LLC

Application for Authority

**Class of Station:** Temporary Fixed Earth Station

**Nature of Service:** Fixed Satellite Service

SITE ID: WML - NT-7 DEN

LOCATION: Various United State

ANTENNA ID:	#4	2.4 meters	AVL Technologies	2410
	11700.0000 - 12200.0000 MHz	36M0G7F	0.00 dBW	Compressed Digital Video and Audio
	11700.0000 - 12200.0000 MHz	4M00G7F	0.00 dBW	Compressed Digital Video and Audio
	14000.0000 - 14500.0000 MHz	36M0G7F	73.82 dBW	Compressed Digital Video and Audio
	14000.0000 - 14500.0000 MHz	4M00G7F	64.28 dBW	Compressed Digital Video and Audio

**Points of Communication:**

WML - NT-7 DEN - PERMITTED LIST - ()

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**SES-LIC-20221104-01205** E E220172 GCI Communication Corp.

Application for Authority

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: Nikolski Clinic

LOCATION: At the Nikolski clinic, Aleutians West, Nikolski, AK

52 ° 56 ' 19.50 " N LAT.

168 ° 51 ' 36.08 " W LONG.

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ANTENNA ID:	01	3.8 meters	CPI	2385
	3700.0000 - 4200.0000 MHz		45K0G7W -	Phase modulated voice, video, and data services.
	3700.0000 - 4200.0000 MHz		108MG7W	Phase modulated voice, video, and data services.
	5925.0000 - 6425.0000 MHz		45K0G7W - 67.80 dBW	Phase modulated voice, video, and data services.
	5925.0000 - 6425.0000 MHz		108MG7W 67.80 dBW	Phase modulated voice, video, and data services.
	3700.0000 - 4200.0000 MHz		45K0D7W -	Phase and amplitude modulated voice, video, and data services.
	3700.0000 - 4200.0000 MHz		108MD7W	Phase and amplitude modulated voice, video, and data services.
	5925.0000 - 6425.0000 MHz		45K0D7W - 67.80 dBW	Phase and amplitude modulated voice, video, and data services.
	5925.0000 - 6425.0000 MHz		108MD7W 67.80 dBW	Phase and amplitude modulated voice, video, and data services.

**Points of Communication:**

Nikolski Clinic - PERMITTED LIST - ()

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**SES-LIC-20221229-01545** E E230006 SpaceX Services, Inc.

Application for Authority

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: Arlington Gateway

LOCATION: Gilliam, Arlington, OR

45 ° 37 ' 31.90 " N LAT.

120 ° 10 ' 29.20 " W LONG.

ANTENNA ID:	CO-1	1.85 meters	SpaceX	1.85M
	71000.0000 - 76000.0000 MHz		1G20D7W 0.00 dBW	BPSK up to 64 QAM; Digital Data
	81000.0000 - 86000.0000 MHz		1G20D7W 70.92 dBW	BPSK up to 64 QAM; Digital Data

**Points of Communication:**

Arlington Gateway - Gen2 Starlink - (NGSO)

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**SES-LIC-20221229-01546** E E230007 SpaceX Services, Inc.

Application for Authority

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

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SITE ID: Adelanto Gateway  
LOCATION: San Bernadino, Adelanto, CA  
34 ° 36 ' 8.60 " N LAT. 117 ° 27 ' 16.40 " W LONG.

ANTENNA ID: CO-1 1.85 meters SpaceX 1.85M  
71000.0000 - 76000.0000 MHz 1G20D7W 0.00 dBW BPSK up to 64 QAM; Digital Data  
81000.0000 - 86000.0000 MHz 1G20D7W 70.92 dBW BPSK up to 64 QAM; Digital Data

**Points of Communication:**

Adelanto Gateway - Gen2 Starlink - (NGSO)

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**SES-LIC-20221229-01547** E E230008 SpaceX Services, Inc.  
Application for Authority  
**Class of Station:** Fixed Earth Stations  
**Nature of Service:** Fixed Satellite Service

SITE ID: Prosser Gateway  
LOCATION: Benton, Prosser, WA  
46 ° 7 ' 36.70 " N LAT. 119 ° 41 ' 2.40 " W LONG.

ANTENNA ID: CO-1 1.85 meters SpaceX 1.85M  
71000.0000 - 76000.0000 MHz 1G20D7W 0.00 dBW BPSK up to 64 QAM; Digital Data  
81000.0000 - 86000.0000 MHz 1G20D7W 70.92 dBW BPSK up to 64 QAM; Digital Data

**Points of Communication:**

Prosser Gateway - Gen2 Starlink - (NGSO)

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**SES-LIC-20221229-01548** E E230009 SpaceX Services, Inc.  
Application for Authority  
**Class of Station:** Fixed Earth Stations  
**Nature of Service:** Fixed Satellite Service

SITE ID: Marshall Gateway  
LOCATION: Harrison, Marshall, TX  
32 ° 31 ' 56.10 " N LAT. 94 ° 25 ' 49.10 " W LONG.

ANTENNA ID: CO-1 1.85 meters SpaceX 1.85M  
71000.0000 - 76000.0000 MHz 1G20D7W 0.00 dBW BPSK up to 64 QAM; Digital Data  
81000.0000 - 86000.0000 MHz 1G20D7W 70.92 dBW BPSK up to 64 QAM; Digital Data

**Points of Communication:**

Marshall Gateway - Gen2 Starlink - (NGSO)

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**SES-LIC-20221229-01549** E E230010 SpaceX Services, Inc.

Application for Authority

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: Sheffield, IL Gatewa

LOCATION: Bureau, Sheffield, IL

41 ° 21 ' 40.40 " N LAT.

89 ° 44 ' 35.90 " W LONG.

ANTENNA ID:	CO-1	1.85 meters	SpaceX	1.85M
	71000.0000 - 76000.0000 MHz	1G20D7W	0.00 dBW	BPSK up to 64 QAM; Digital Data
	81000.0000 - 86000.0000 MHz	1G20D7W	70.92 dBW	BPSK up to 64 QAM; Digital Data

**Points of Communication:**

Sheffield, IL Gatewa - Gen2 Starlink - (NGSO)

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**SES-MOD-20211216-01909** E E210127 SpaceX Services, Inc.

Application for Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

See IBFS File No. SES-AMD-20221216-01366. SpaceX Services Inc. requests amendment of IBFS File No. SES-MOD-20211216-01909 to communicate with the non-geostationary (NGSO) Gen2 Starlink satellite constellation in the 14000-14500 MHz (Earth-to-space), and 10700-12700 MHz (space-to-Earth) frequency bands.

SITE ID: SpaceX UT2 Blanket

LOCATION: ALL CONTIGUOUS US/TERRITORIES AK, HI, PR, USVI, GU, AS, USNMI

ANTENNA ID:	UT-2	0.42 meters	SpaceX	UTA 205/206/207
	14000.0000 - 14500.0000 MHz	60M0D7W	38.20 dBW	BPSK up to 64QAM; Digital Data
	10700.0000 - 12700.0000 MHz	240MD7W	0.00 dBW	BPSK up to 64QAM; Digital Data

**Points of Communication:**

SpaceX UT2 Blanket - Gen2 Starlink - (NGSO)

SpaceX UT2 Blanket - SPACEX (S2983/3018) - (NGSO)

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**SES-MOD-20221221-01441** E E201995 SpaceX Services, Inc.

Application for Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SpaceX Services, Inc. requests modification of its fixed earth station in Cass County, ND to communicate with the non-geostationary (NGSO) SpaceX Gen2 (S3069) satellite constellation in the 29500-30000 MHz and 27500-29100 MHz (Earth-to-space), and 18800-19300 MHz and 17800-18600 MHz (space-to-Earth) frequency bands.

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SITE ID: Cass County, ND  
LOCATION: Cass, Cass County, ND  
47 ° 9 ' 6.10 " N LAT. 97 ° 24 ' 32.00 " W LONG.

ANTENNA ID:	CO-1	1.47 meters	SpaceX	1.47M
	29500.0000 - 30000.0000 MHz	480MD7W	60.50 dBW	Modulation and Services BPSK up to 64 QAM; Digital Data
	27500.0000 - 29100.0000 MHz	480MD7W	60.50 dBW	Modulation and Services BPSK up to 64 QAM; Digital Data
	18800.0000 - 19300.0000 MHz	480MD7W	0.00 dBW	Modulation and Services BPSK up to 64 QAM; Digital Data
	17800.0000 - 18600.0000 MHz	480MD7W	0.00 dBW	Modulation and Services BPSK up to 64 QAM; Digital Data

**Points of Communication:**

Cass County, ND - SPACEX (S2983/3018) - (NGSO)

Cass County, ND - SpaceX GEN2 NGSO (S6 - (NGSO))

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**SES-MOD-20221221-01442** E E202175 SpaceX Services, Inc.

Application for Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SpaceX Services, Inc. requests modification of its fixed earth station in Dumas, TX to communicate with the non-geostationary (NGSO) SpaceX Gen2 (S3069) satellite constellation in the 29500-30000 MHz and 27500-29100 MHz (Earth-to-space), and 18800-19300 MHz and 17800-18600 MHz (space-to-Earth) frequency bands.

SITE ID: Dumas, TX Gateway  
LOCATION: Moore, Dumas, TX  
35 ° 48 ' 29.70 " N LAT. 102 ° 1 ' 54.70 " W LONG.

ANTENNA ID:	CO-1	1.47 meters	SpaceX	1.47M
	29500.0000 - 30000.0000 MHz	480MD7W	60.50 dBW	BPSK up to 64 QAM; Digital Data
	27500.0000 - 29100.0000 MHz	480MD7W	60.50 dBW	BPSK up to 64 QAM; Digital Data
	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

**Points of Communication:**

Dumas, TX Gateway - SPACEX (S2983/3018) - (NGSO)

Dumas, TX Gateway - SpaceX GEN2 NGSO (S6 - (NGSO))

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**SES-MOD-20221221-01444** E E201370 SpaceX Services, Inc.

Application for Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SpaceX Services, Inc. requests modification of its fixed earth station in Evanston, WY to communicate with the non-geostationary (NGSO) SpaceX Gen2 (S3069) satellite constellation in the 29500-30000 MHz and 27500-29100 MHz (Earth-to-space), and 18800-19300 MHz and 17800-18600 MHz (space-to-Earth) frequency bands.

SITE ID: EVANSTON WY

LOCATION: UINTA, EVANSTON, WY

41 ° 5 ' 33.00 " N LAT.

110 ° 50 ' 33.40 " W LONG.

ANTENNA ID:	CO-1	1.47 meters	SPACEX	1.47M
	29500.0000 - 30000.0000 MHz	480MD7W	60.50 dBW	BPSK up to 64 QAM; Digital Data
	27500.0000 - 29100.0000 MHz	480MD7W	60.50 dBW	BPSK up to 64 QAM; Digital Data
	18800.0000 - 19300.0000 MHz	480MD7W		BPSK up to 64 QAM; Digital Data
	17800.0000 - 18600.0000 MHz	480MD7W		BPSK up to 64 QAM; Digital Data

**Points of Communication:**

EVANSTON WY - SPACEX (S2983/3018) - (NGSO)

EVANSTON WY - SpaceX GEN2 NGSO (S6 - (NGSO))

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**SES-MOD-20221221-01445** E E210298 SpaceX Services, Inc.

Application for Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SpaceX Services, Inc. requests modification of its fixed earth station in Elbert, CO to communicate with the non-geostationary (NGSO) SpaceX Gen2 (S3069) satellite constellation in the 29500-30000 MHz and 27500-29100 MHz (Earth-to-space), and 18800-19300 MHz and 17800-18600 MHz (space-to-Earth) frequency bands.

SITE ID: Elbert, CO Gateway

LOCATION: Elbert, Elbert, CO

39 ° 17 ' 33.10 " N LAT.

104 ° 30 ' 17.10 " W LONG.

ANTENNA ID:	CO-1	1.47 meters	SpaceX	1.47M
	29500.0000 - 30000.0000 MHz	480MD7W	60.50 dBW	BPSK up to 64 QAM; Digital Data
	27500.0000 - 29100.0000 MHz	480MD7W	60.50 dBW	BPSK up to 64 QAM; Digital Data
	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

**Points of Communication:**

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Elbert, CO Gateway - SPACEX (S2983/3018) - (NGSO)

Elbert, CO Gateway - SpaceX GEN2 NGSO (S6 - (NGSO))

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**SES-MOD-20221221-01446** E E210090 SpaceX Services, Inc.

Application for Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SpaceX Services, Inc. requests modification of its fixed earth station in Fairbanks, AK to communicate with the non-geostationary (NGSO) SpaceX Gen2 (S3069) satellite constellation in the 29500-30000 MHz and 27500-29100 MHz (Earth-to-space), and 18800-19300 MHz and 17800-18600 MHz (space-to-Earth) frequency bands.

SITE ID: Fairbanks, AK Gatewa

LOCATION: Fairbanks North Star C, Fairbanks, AK

64 ° 48 ' 18.60 " N LAT.

147 ° 30 ' 0.80 " W LONG.

ANTENNA ID:	CO-1	1.47 meters	SpaceX	1.47M
	29500.0000 - 30000.0000 MHz	480MD7W	60.50 dBW	BPSK up to 64 QAM; Digital Data
	27500.0000 - 29100.0000 MHz	480MD7W	60.50 dBW	BPSK up to 64 QAM; Digital Data
	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

**Points of Communication:**

Fairbanks, AK Gatewa - SPACEX (S2983/3018) - (NGSO)

Fairbanks, AK Gatewa - SpaceX GEN2 NGSO (S6 - (NGSO))

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**SES-MOD-20221221-01447** E E210421 SpaceX Services, Inc.

Application for Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SpaceX Services, Inc. requests modification of its fixed earth station in Frederick, MD to communicate with the non-geostationary (NGSO) SpaceX Gen2 (S3069) satellite constellation in the 29500-30000 MHz and 27500-29100 MHz (Earth-to-space), and 18800-19300 MHz and 17800-18600 MHz (space-to-Earth) frequency bands.

SITE ID: Frederick,MD Gateway

LOCATION: Frederick, Frederick, MD

39 ° 23 ' 49.10 " N LAT.

77 ° 26 ' 11.90 " W LONG.

ANTENNA ID:	CO-1	1.47 meters	SpaceX	1.47M
	29500.0000 - 30000.0000 MHz	480MD7W	60.50 dBW	BPSK up to 64 QAM; Digital Data
	27500.0000 - 29100.0000 MHz	480MD7W	60.50 dBW	BPSK up to 64 QAM; Digital Data

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

**Points of Communication:**

Frederick,MD Gateway - SPACEX (S2983/3018) - (NGSO)

Frederick,MD Gateway - SpaceX GEN2 NGSO (S6 - (NGSO))

**SES-MOD-20221221-01450** E E202201 SpaceX Services, Inc.

Application for Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SpaceX Services, Inc. requests modification of its fixed earth station in Hamshire, TX to communicate with the non-geostationary (NGSO) SpaceX Gen2 (S3069) satellite constellation in the 29500-30000 MHz and 27500-29100 MHz (Earth-to-space), and 18800-19300 MHz and 17800-18600 MHz (space-to-Earth) frequency bands.

SITE ID: Hamshire, TX Gateway

LOCATION: Jefferson, Hamshire, TX

29 ° 51 ' 35.50 " N LAT.

94 ° 18 ' 44.40 " W LONG.

ANTENNA ID: CO-1 1.47 meters SpaceX 1.47M

29500.0000 - 30000.0000 MHz	480MD7W	60.50 dBW	BPSK up to 64 QAM; Digital Data
27500.0000 - 29100.0000 MHz	480MD7W	60.50 dBW	BPSK up to 64 QAM; Digital Data
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

**Points of Communication:**

Hamshire, TX Gateway - SPACEX (S2983/3018) - (NGSO)

Hamshire, TX Gateway - SpaceX GEN2 NGSO (S6 - (NGSO))

**SES-MOD-20221221-01451** E E190724 SpaceX Services, Inc.

Application for Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SpaceX Services, Inc. requests modification of its fixed earth station in Greenville, PA to communicate with the non-geostationary (NGSO) SpaceX Gen2 (S3069) satellite constellation in the 29500-30000 MHz and 27500-29100 MHz (Earth-to-space), and 18800-19300 MHz and 17800-18600 MHz (space-to-Earth) frequency bands.

SITE ID: 1

LOCATION: 1020 Methodist Road, Mercer, Greenville, PA

41 ° 26 ' 0.80 " N LAT.

80 ° 19 ' 59.60 " W LONG.

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ANTENNA ID:	1	1.47 meters	SpaceX	1.47M
	29500.0000 - 30000.0000 MHz	480MD7W	60.50 dBW	BPSK up to 64QAM; Digital Data
	27500.0000 - 29100.0000 MHz	480MD7W	60.50 dBW	BPSK up to 64QAM; Digital Data
	18800.0000 - 19300.0000 MHz	480MD7W	0.00 dBW	BPSK up to 64QAM; Digital Data
	17800.0000 - 18600.0000 MHz	480MD7W	0.00 dBW	BPSK up to 64QAM; Digital Data

**Points of Communication:**

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

1 - SpaceX GEN2 NGSO (S6 - (NGSO))

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**SES-MOD-20221221-01454** E E200453 SpaceX Services, Inc.

Application for Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SpaceX Services, Inc. requests modification of its fixed earth station in Kalama, WA to communicate with the non-geostationary (NGSO) SpaceX Gen2 (S3069) satellite constellation in the 29500-30000 MHz and 27500-29100 MHz (Earth-to-space), and 18800-19300 MHz and 17800-18600 MHz (space-to-Earth) frequency bands.

SITE ID: Kalama WA Gateway

LOCATION: MARION, Kalama, WA

45 ° 2 ' 20.30 " N LAT.

122 ° 48 ' 29.60 " W LONG.

ANTENNA ID:	CO-1	1.47 meters	SpaceX	1.47M
	29500.0000 - 30000.0000 MHz	480MD7W	60.50 dBW	BPSK up to 64 QAM; Digital Data
	27500.0000 - 29100.0000 MHz	480MD7W	60.50 dBW	BPSK up to 64 QAM; Digital Data
	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

ANTENNA ID:	LO-1	1.47 meters	SPACE X	1.47M
	29500.0000 - 30000.0000 MHz	480MD7W	60.50 dBW	BPSK up to 64 QAM; Digital Data
	27500.0000 - 29100.0000 MHz	480MD7W	60.50 dBW	BPSK up to 64 QAM; Digital Data
	18800.0000 - 19300.0000 MHz	480MD7W		BPSK up to 64 QAM; Digital Data
	17800.0000 - 18600.0000 MHz	480MD7W		BPSK up to 64 QAM; Digital Data

**Points of Communication:**

Kalama WA Gateway - SPACE X (S2983/3018) - (NGSO)

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Kalama WA Gateway - SpaceX GEN2 NGSO (S6 - (NGSO))

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**SES-MOD-20221221-01455** E E202127 SpaceX Services, Inc.

Application for Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SpaceX Services, Inc. requests modification of its fixed earth station in Inman, KS to communicate with the non-geostationary (NGSO) SpaceX Gen2 (S3069) satellite constellation in the 29500-30000 MHz and 27500-29100 MHz (Earth-to-space), and 18800-19300 MHz and 17800-18600 MHz (space-to-Earth) frequency bands.

SITE ID: Inman KS Gateway

LOCATION: RICE, Inman, KS

38 ° 13 ' 44.40 " N LAT.

97 ° 55 ' 19.10 " W LONG.

ANTENNA ID:	CO-1	1.47 meters	SpaceX	1.47M
29500.0000 - 30000.0000 MHz		480MD7W	60.50 dBW	BPSK up to 64 QAM; Digital Data
27500.0000 - 29100.0000 MHz		480MD7W	60.50 dBW	BPSK up to 64 QAM; Digital Data
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

**Points of Communication:**

Inman KS Gateway - SPACEX (S2983/3018) - (NGSO)

Inman KS Gateway - SpaceX GEN2 NGSO (S6 - (NGSO))

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**SES-MOD-20221221-01458** E E210002 SpaceX Services, Inc.

Application for Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SpaceX Services, Inc. requests modification of its fixed earth station in Lockport, NY to communicate with the non-geostationary (NGSO) SpaceX Gen2 (S3069) satellite constellation in the 29500-30000 MHz and 27500-29100 MHz (Earth-to-space), and 18800-19300 MHz and 17800-18600 MHz (space-to-Earth) frequency bands.

SITE ID: Gateway

LOCATION: Niagara, Lockport, NY

43 ° 9 ' 59.60 " N LAT.

78 ° 45 ' 18.40 " W LONG.

ANTENNA ID:	CO-1	1.47 meters	SpaceX	1.47M
29500.0000 - 30000.0000 MHz		480MD7W	60.50 dBW	BPSK up to 64 QAM; Digital Data
27500.0000 - 29100.0000 MHz		480MD7W	60.50 dBW	BPSK up to 64 QAM; Digital Data
18800.0000 - 19300.0000 MHz		480MD7W	0.00 dBW	BPSK up to 64 QAM; Digital Data

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17800.0000 - 18600.0000 MHz	480MD7W	0.00 dBW	BPSK up to 64 QAM; Digital Data
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**Points of Communication:**

Gateway - SPACEX (S2983/3018) - (NGSO)

Gateway - SpaceX GEN2 NGSO (S6 - (NGSO))

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**SES-MOD-20221222-01461** E E202179 SpaceX Services, Inc.

Application for Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SpaceX Services, Inc. requests modification of its fixed earth station in Wise, NC to communicate with the non-geostationary (NGSO) SpaceX Gen2 (S3069) satellite constellation in the 29500-30000 MHz and 27500-29100 MHz (Earth-to-space), and 18800-19300 MHz and 17800-18600 MHz (space-to-Earth) frequency bands.

SITE ID: Wise, NC Gateway

LOCATION: Warren, Wise, NC

36 ° 28 ' 14.30 " N LAT.

78 ° 10 ' 24.20 " W LONG.

ANTENNA ID: CO-1 1.47 meters SpaceX 1.47M

29500.0000 - 30000.0000 MHz	480MD7W	60.50 dBW	BPSK up to 64 QAM; Digital Data
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27500.0000 - 29100.0000 MHz	480MD7W	60.50 dBW	BPSK up to 64 QAM; Digital Data
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18800.0000 - 19300.0000 MHz	480MD7W	0.00 dBW	BPSK up to 64 QAM; Digital Data
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17800.0000 - 18600.0000 MHz	480MD7W	0.00 dBW	BPSK up to 64 QAM; Digital Data
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**Points of Communication:**

Wise, NC Gateway - SPACEX (S2983/3018) - (NGSO)

Wise, NC Gateway - SpaceX GEN2 NGSO (S6 - (NGSO))

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**SES-MOD-20221222-01462** E E202144 SpaceX Services, Inc.

Application for Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SpaceX Services, Inc. requests modification of its fixed earth station in Punta Gorda, FL to communicate with the non-geostationary (NGSO) SpaceX Gen2 (S3069) satellite constellation in the 29500-30000 MHz and 27500-29100 MHz (Earth-to-space), and 18800-19300 MHz and 17800-18600 MHz (space-to-Earth) frequency bands.

SITE ID: Punta Gorda FL Gatew

LOCATION: Charlotte, Punta Gorda, FL

27 ° 1 ' 10.80 " N LAT.

81 ° 45 ' 43.30 " W LONG.

ANTENNA ID: CO-1 1.47 meters SpaceX 1.47M

29500.0000 - 30000.0000 MHz	480MD7W	60.50 dBW	BPSK up to 64 QAM; Digital Data
27500.0000 - 29100.0000 MHz	480MD7W	60.50 dBW	BPSK up to 64 QAM; Digital Data
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

**Points of Communication:**

Punta Gorda FL Gateway - SPACEX (S2983/3018) - (NGSO)

Punta Gorda FL Gateway - SpaceX GEN2 NGSO (S6 - (NGSO))

**SES-MOD-20221222-01464** E E202178 SpaceX Services, Inc.

Application for Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SpaceX Services, Inc. requests modification of its fixed earth station in Mandale, NC to communicate with the non-geostationary (NGSO) SpaceX Gen2 (S3069) satellite constellation in the 29500-30000 MHz and 27500-29100 MHz (Earth-to-space), and 18800-19300 MHz and 17800-18600 MHz (space-to-Earth) frequency bands.

**SITE ID:** Mandale NC Gateway

**LOCATION:** Orange, Mandale, NC

35 ° 53 ' 43.30 " N LAT.

79 ° 13 ' 29.60 " W LONG.

**ANTENNA ID:** CO-1 1.47 meters SpaceX 1.47M

29500.0000 - 30000.0000 MHz	480MD7W	60.50 dBW	BPSK up to 64 QAM; Digital Data
27500.0000 - 29100.0000 MHz	480MD7W	60.50 dBW	BPSK up to 64 QAM; Digital Data
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

**Points of Communication:**

Mandale NC Gateway - SPACEX (S2983/3018) - (NGSO)

Mandale NC Gateway - SpaceX GEN2 NGSO (S6 - (NGSO))

**SES-MOD-20221222-01465** E E201990 SpaceX Services, Inc.

Application for Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SpaceX Services, Inc. requests modification of its fixed earth station in Manistique, MI to communicate with the non-geostationary (NGSO) SpaceX Gen2 (S3069) satellite constellation in the 29500-30000 MHz and 27500-29100 MHz (Earth-to-space), and 18800-19300 MHz and 17800-18600 MHz (space-to-Earth) frequency bands.

SITE ID: Manistique Gateway  
 LOCATION: Schoolcraft, Manistique, MI  
 45 ° 54 ' 31.00 " N LAT. 86 ° 29 ' 0.90 " W LONG.

ANTENNA ID:	CO-1	1.47 meters	SpaceX	1.47M
	29500.0000 - 30000.0000 MHz	480MD7W	60.50 dBW	Modulation and Services BPSK up to 64 QAM; Digital Data
	27500.0000 - 29100.0000 MHz	480MD7W	60.50 dBW	Modulation and Services BPSK up to 64 QAM; Digital Data
	18800.0000 - 19300.0000 MHz	480MD7W	0.00 dBW	Modulation and Services BPSK up to 64 QAM; Digital Data
	17800.0000 - 18600.0000 MHz	480MD7W	0.00 dBW	Modulation and Services BPSK up to 64 QAM; Digital Data
ANTENNA ID:	LO-1	1.47 meters	SPACEX	
	29500.0000 - 30000.0000 MHz	480MD7W	60.50 dBW	Modulation and Services BPSK up to 64 QAM; Digital Data
	28350.0000 - 29100.0000 MHz	480MD7W	60.50 dBW	Modulation and Services BPSK up to 64 QAM; Digital Data
	18800.0000 - 19300.0000 MHz	480MD7W		Modulation and Services BPSK up to 64 QAM; Digital Data
	17800.0000 - 18600.0000 MHz	480MD7W		Modulation and Services BPSK up to 64 QAM; Digital Data

**Points of Communication:**

Manistique Gateway - SPACEX (S2983/3018) - (NGSO)

Manistique Gateway - SpaceX GEN2 NGSO (S6 - (NGSO))

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**SES-MOD-20221222-01466** E E201414 SpaceX Services, Inc.

Application for Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SpaceX Services, Inc. requests modification of its fixed earth station in McGregor, TX to communicate with the non-geostationary (NGSO) SpaceX Gen2 (S3069) satellite constellation in the 29500-30000 MHz and 27500-29100 MHz (Earth-to-space), and 18800-19300 MHz and 17800-18600 MHz (space-to-Earth) frequency bands.

SITE ID: McGregor TX Gateway  
 LOCATION: McLennan, McGregor, TX  
 31 ° 24 ' 17.70 " N LAT. 97 ° 26 ' 17.30 " W LONG.

ANTENNA ID:	CO-1	1.47 meters	SpaceX	1.47M
	29500.0000 - 30000.0000 MHz	480MD7W	60.50 dBW	BPSK up to 64 QAM; Digital Data



27500.0000 - 29100.0000 MHz	480MD7W	60.50 dBW	BPSK up to 64 QAM; Digital Data
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

**Points of Communication:**

McGregor TX Gateway - SPACEX (S2983/3018) - (NGSO)

McGregor TX Gateway - SpaceX GEN2 NGSO (S6 - (NGSO))

**SES-MOD-20221222-01467** E E190725 SpaceX Services, Inc.

Application for Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SpaceX Services, Inc. requests modification of its fixed earth station in Merrillan, WI to communicate with the non-geostationary (NGSO) SpaceX Gen2 (S3069) satellite constellation in the 29500-30000 MHz and 27500-29100 MHz (Earth-to-space), and 18800-19300 MHz and 17800-18600 MHz (space-to-Earth) frequency bands.

SITE ID: 1

LOCATION: Jackson, Merrillan, WI

44 ° 24 ' 22.80 " N LAT.

90 ° 48 ' 51.40 " W LONG.

ANTENNA ID: 1 1.47 meters SpaceX 1.47M

29500.0000 - 30000.0000 MHz	480MD7W	60.50 dBW	BPSK up to 64QAM; Digital Data
27500.0000 - 29100.0000 MHz	480MD7W	60.50 dBW	BPSK up to 64QAM; Digital Data
18800.0000 - 19300.0000 MHz	480MD7W	0.00 dBW	BPSK up to 64QAM; Digital Data
17800.0000 - 18600.0000 MHz	480MD7W	0.00 dBW	BPSK up to 64QAM; Digital Data

**Points of Communication:**

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

1 - SpaceX GEN2 NGSO (S6 - (NGSO))

**SES-MOD-20221222-01468** E E201763 SpaceX Services, Inc.

Application for Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SpaceX Services, Inc. requests modification of its fixed earth station in Nemaha, NE to communicate with the non-geostationary (NGSO) SpaceX Gen2 (S3069) satellite constellation in the 29500-30000 MHz and 27500-29100 MHz (Earth-to-space), and 18800-19300 MHz and 17800-18600 MHz (space-to-Earth) frequency bands.

SITE ID: Nemaha NE Gateway  
 LOCATION: Nemaha, Nemaha, NE  
 40 ° 20 ' 1.20 " N LAT. 95 ° 48 ' 55.00 " W LONG.

ANTENNA ID:	CO-1	1.47 meters	SpaceX	1.47M
29500.0000 - 30000.0000 MHz		480MD7W	60.50 dBW	Modulation and Services BPSK up to 64 QAM; Digital Data
27500.0000 - 29100.0000 MHz		480MD7W	60.50 dBW	Modulation and Services BPSK up to 64 QAM; Digital Data
18800.0000 - 19300.0000 MHz		480MD7W	0.00 dBW	Modulation and Services BPSK up to 64 QAM; Digital Data
17800.0000 - 18600.0000 MHz		480MD7W	0.00 dBW	Modulation and Services BPSK up to 64 QAM; Digital Data

**Points of Communication:**

Nemaha NE Gateway - SPACEX (S2983/3018) - (NGSO)

Nemaha NE Gateway - SpaceX GEN2 NGSO (S6 - (NGSO)

**SES-MOD-20221222-01469** E E210114 SpaceX Services, Inc.

Application for Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SpaceX Services, Inc. requests modification of its fixed earth station in Nome, AK to communicate with the non-geostationary (NGSO) SpaceX Gen2 (S3069) satellite constellation in the 29500-30000 MHz and 27500-29100 MHz (Earth-to-space), and 18800-19300 MHz and 17800-18600 MHz (space-to-Earth) frequency bands.

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

**Points of Communication:**

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

Nome, AK - SpaceX GEN2 NGSO (S6 - (NGSO)

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**SES-MOD-20221222-01470** E E201371 SpaceX Services, Inc.

Application for Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SpaceX Services, Inc. requests modification of its fixed earth station in Panaca, NV to communicate with the non-geostationary (NGSO) SpaceX Gen2 (S3069) satellite constellation in the 29500-30000 MHz and 27500-29100 MHz (Earth-to-space), and 18800-19300 MHz and 17800-18600 MHz (space-to-Earth) frequency bands.

SITE ID: Panaca NV Gateway

LOCATION: Lincoln, Panaca, NV

37 ° 47 ' 1.10 " N LAT.

114 ° 41 ' 33.70 " W LONG.

ANTENNA ID:	CO-1	1.47 meters	SpaceX	1.47M
	29500.0000 - 30000.0000 MHz	480MD7W	60.50 dBW	BPSK up to 64 QAM; Digital Data
	27500.0000 - 29100.0000 MHz	480MD7W	60.50 dBW	BPSK up to 64 QAM; Digital Data
	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

ANTENNA ID:	LO-1	1.47 meters	SPACE X	1.47M
	29500.0000 - 30000.0000 MHz	480MD7W	60.50 dBW	BPSK up to 64 QAM; Digital Data
	27500.0000 - 29100.0000 MHz	480MD7W	60.50 dBW	BPSK up to 64 QAM; Digital Data
	18800.0000 - 19300.0000 MHz	480MD7W		BPSK up to 64 QAM; Digital Data
	17800.0000 - 18600.0000 MHz	480MD7W		BPSK up to 64 QAM; Digital Data

**Points of Communication:**

Panaca NV Gateway - SPACEX (S2983/3018) - (NGSO)

Panaca NV Gateway - SpaceX GEN2 NGSO (S6 - (NGSO))

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**SES-MOD-20221222-01471** E E210052 SpaceX Services, Inc.

Application for Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SpaceX Services, Inc. requests modification of its fixed earth station in Norcross, GA to communicate with the non-geostationary (NGSO) SpaceX Gen2 (S3069) satellite constellation in the 29500-30000 MHz and 27500-29100 MHz (Earth-to-space), and 18800-19300 MHz and 17800-18600 MHz (space-to-Earth) frequency bands.

SITE ID: 1

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
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29500.0000 - 30000.0000 MHz	480MD7W	60.50 dBW	BPSK up to 64 QAM; Digital Data
27500.0000 - 29100.0000 MHz	480MD7W	60.50 dBW	BPSK up to 64 QAM; Digital Data
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

**Points of Communication:**

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

1 - SpaceX GEN2 NGSO (S6 - (NGSO))

**SES-MOD-20221222-01472** E E210105 SpaceX Services, Inc.

Application for Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SpaceX Services, Inc. requests modification of its fixed earth station in New Braunfels, TX to communicate with the non-geostationary (NGSO) SpaceX Gen2 (S3069) satellite constellation in the 29500-30000 MHz and 27500-29100 MHz (Earth-to-space), and 18800-19300 MHz and 17800-18600 MHz (space-to-Earth) frequency bands.

**SITE ID:** NewBraunfels Gateway

**LOCATION:** Comal, New Braunfels, TX

29 ° 47 ' 2.60 " N LAT.

98 ° 3 ' 2.80 " W LONG.

**ANTENNA ID:** CO-1 1.47 meters SpaceX 1.47M

29500.0000 - 30000.0000 MHz	480MD7W	60.50 dBW	BPSK up to 64 QAM; Digital Data
27500.0000 - 29100.0000 MHz	480MD7W	60.50 dBW	BPSK up to 64 QAM; Digital Data
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

**Points of Communication:**

NewBraunfels Gateway - SPACEX (S2983/3018) - (NGSO)

NewBraunfels Gateway - SpaceX GEN2 NGSO (S6 - (NGSO))

**SES-MOD-20221222-01480** E E210089 SpaceX Services, Inc.

Application for Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SpaceX Services, Inc. requests modification of its fixed earth station in Rolette County, ND to communicate with the non-geostationary (NGSO) SpaceX Gen2 (S3069) satellite constellation in the 29500-30000 MHz and 27500-29100 MHz (Earth-to-space), and 18800-19300 MHz and 17800-18600 MHz (space-to-Earth) frequency bands.

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SITE ID: Rolette, ND Gateway  
LOCATION: Rolette, Rolette County, ND  
48 ° 39 ' 37.30 " N LAT. 99 ° 48 ' 37.90 " W LONG.

ANTENNA ID:	CO-1	1.47 meters	SpaceX	1.47M
29500.0000 - 30000.0000 MHz		480MD7W	60.50 dBW	BPSK up to 64 QAM; Digital Data
27500.0000 - 29100.0000 MHz		480MD7W	60.50 dBW	BPSK up to 64 QAM; Digital Data
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

**Points of Communication:**

Rolette, ND Gateway - SPACEX (S2983/3018) - (NGSO)

Rolette, ND Gateway - SpaceX GEN2 NGSO (S6 - (NGSO)

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**SES-MOD-20221222-01481** E E201989 SpaceX Services, Inc.

Application for Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SpaceX Services, Inc. requests modification of its fixed earth station in Slope County, ND to communicate with the non-geostationary (NGSO) SpaceX Gen2 (S3069) satellite constellation in the 29500-30000 MHz and 27500-29100 MHz (Earth-to-space), and 18800-19300 MHz and 17800-18600 MHz (space-to-Earth) frequency bands.

SITE ID: Slope County Gateway  
LOCATION: Slope, Slope County, ND  
46 ° 24 ' 30.20 " N LAT. 103 ° 6 ' 52.50 " W LONG.

ANTENNA ID:	CO-1	1.47 meters	SpaceX	1.47M
29500.0000 - 30000.0000 MHz		480MD7W	60.50 dBW	Modulation and Services BPSK up to 64 QAM; Digital Data
27500.0000 - 29100.0000 MHz		480MD7W	60.50 dBW	Modulation and Services BPSK up to 64 QAM; Digital Data
18800.0000 - 19300.0000 MHz		480MD7W	0.00 dBW	Modulation and Services BPSK up to 64 QAM; Digital Data
17800.0000 - 18600.0000 MHz		480MD7W	0.00 dBW	Modulation and Services BPSK up to 64 QAM; Digital Data

**Points of Communication:**

Slope County Gateway - SPACEX (S2983/3018) - (NGSO)

Slope County Gateway - SpaceX GEN2 NGSO (S6 - (NGSO)

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**SES-MOD-20221222-01482** E E201998 SpaceX Services, Inc.

Application for Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SpaceX Services, Inc. requests modification of its fixed earth station in Sanderson, TX to communicate with the non-geostationary (NGSO) SpaceX Gen2 (S3069) satellite constellation in the 29500-30000 MHz and 27500-29100 MHz (Earth-to-space), and 18800-19300 MHz and 17800-18600 MHz (space-to-Earth) frequency bands.

SITE ID: Sanderson TX Gateway

LOCATION: Brewster, Sanderson, TX

30 ° 11 ' 38.40 " N LAT.

102 ° 53 ' 24.00 " W LONG.

ANTENNA ID:	CO-1	1.47 meters	SpaceX	1.47M
	29500.0000 - 30000.0000 MHz	480MD7W	60.50 dBW	Modulation and Services BPSK up to 64 QAM; Digital Data
	27500.0000 - 29100.0000 MHz	480MD7W	60.50 dBW	Modulation and Services BPSK up to 64 QAM; Digital Data
	18800.0000 - 19300.0000 MHz	480MD7W	0.00 dBW	Modulation and Services BPSK up to 64 QAM; Digital Data
	17800.0000 - 18600.0000 MHz	480MD7W	0.00 dBW	Modulation and Services BPSK up to 64 QAM; Digital Data

**Points of Communication:**

Sanderson TX Gateway - SPACEX (S2983/3018) - (NGSO)

Sanderson TX Gateway - SpaceX GEN2 NGSO (S6 - (NGSO))

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**SES-MOD-20221222-01484** E E202007 SpaceX Services, Inc.

Application for Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SpaceX Services, Inc. requests modification of its fixed earth station in Springer, OK to communicate with the non-geostationary (NGSO) SpaceX Gen2 (S3069) satellite constellation in the 29500-30000 MHz and 27500-29100 MHz (Earth-to-space), and 18800-19300 MHz and 17800-18600 MHz (space-to-Earth) frequency bands.

SITE ID: Springer OK Gateway

LOCATION: Carter, Springer, OK

34 ° 16 ' 6.60 " N LAT.

97 ° 12 ' 47.40 " W LONG.

ANTENNA ID:	CO-1	1.47 meters	SpaceX	1.47M
	29500.0000 - 30000.0000 MHz	480MD7W	60.50 dBW	Modulation and Services BPSK up to 64 QAM; Digital Data
	27500.0000 - 29100.0000 MHz	480MD7W	60.50 dBW	Modulation and Services BPSK up to 64 QAM; Digital Data

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18800.0000 - 19300.0000 MHz	480MD7W	0.00 dBW	Modulation and Services BPSK up to 64 QAM; Digital Data
17800.0000 - 18600.0000 MHz	480MD7W	0.00 dBW	Modulation and Services BPSK up to 64 QAM; Digital Data

**Points of Communication:**

Springer OK Gateway - SPACEX (S2983) - (NGSO)

Springer OK Gateway - SpaceX GEN2 NGSO (S6 - (NGSO))

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**SES-MOD-20221222-01487** E E201981 SpaceX Services, Inc.

Application for Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SpaceX Services, Inc. requests modification of its fixed earth station in Warren, MO to communicate with the non-geostationary (NGSO) SpaceX Gen2 (S3069) satellite constellation in the 29500-30000 MHz and 27500-29100 MHz (Earth-to-space), and 18800-19300 MHz and 17800-18600 MHz (space-to-Earth) frequency bands.

SITE ID: Warren MO Gateway

LOCATION: Warren, Warren, MO

38 ° 38 ' 6.60 " N LAT.

91 ° 6 ' 57.70 " W LONG.

ANTENNA ID: CO-1 1.47 meters SpaceX 1.47M

29500.0000 - 30000.0000 MHz	480MD7W	60.50 dBW	Modulation and Services BPSK up to 64 QAM; Digital Data
27500.0000 - 29100.0000 MHz	480MD7W	60.50 dBW	Modulation and Services BPSK up to 64 QAM; Digital Data
18800.0000 - 19300.0000 MHz	480MD7W	0.00 dBW	Modulation and Services BPSK up to 64 QAM; Digital Data
17800.0000 - 18600.0000 MHz	480MD7W	0.00 dBW	Modulation and Services BPSK up to 64 QAM; Digital Data

**Points of Communication:**

Warren MO Gateway - SPACEX (S2983/3018) - (NGSO)

Warren MO Gateway - SpaceX GEN2 NGSO (S6 - (NGSO))

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For more information concerning this Notice, contact the Satellite Division at 418-0719.