



PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION
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Report No. SES-02618

Wednesday November 15, 2023

Satellite Communications Services Information re: Actions Taken

The Commission, by its Space Bureau, took the following actions pursuant to delegated authority. The effective dates of the actions are the dates specified.

SES-ASG-20230911-02198 E E201957 Gray Television Licensee, LLC
Application for Consent to Assignment
Consummated

Date Effective: 11/30/2021

Current Licensee: Legacy Broadcasting of Rapid City, LLC
FROM: LEGACY BROADCASTING OF RAPID CITY, LLC
TO: Gray Television Licensee, LLC

No. of Station(s) listed: 1

SES-LFS-20210521-00824 E E210112 Kacific Broadband Satellites International Ltd.
License to communicate with a Foreign Satellite
Surrender of Authorization

Date Effective: 11/08/2023

Class of Station: Blanket Earth Stations

Nature of Service: Fixed Satellite Service

License is surrendered by letter filed on November 8, 2023.

SITE ID: 1
LOCATION: American Samoa and Commonwealth of the Northern Mariana Islands

ANTENNA ID:	7	1.2 meters	JONSA	E1201V22-5
	29600.0000 - 29700.0000 MHz	194KG7W	37.90 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
	29600.0000 - 29700.0000 MHz	3M37G7W	50.30 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
	29600.0000 - 29700.0000 MHz	6M86G7W	53.40 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
	29750.0000 - 29800.0000 MHz	194KG7W	37.90 dBW	QPSK, 8PSK, 8APSK, 16APSK / data

29750.0000 - 29800.0000 MHz	3M37G7W	50.30 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
29750.0000 - 29800.0000 MHz	6M86G7W	53.40 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
19700.0000 - 20200.0000 MHz	450MG7W	0.00 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
19800.0000 - 19950.0000 MHz	143MG7W	0.00 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
20050.0000 - 20125.0000 MHz	71M5G7W	0.00 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
ANTENNA ID: 1	0.75 meters	Newtec	ANT2010
29600.0000 - 29700.0000 MHz	194KG7W	37.90 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
29600.0000 - 29700.0000 MHz	939KG7W	44.80 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
29600.0000 - 29700.0000 MHz	3M34G7W	50.30 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
29750.0000 - 29800.0000 MHz	194KG7W	37.90 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
29750.0000 - 29800.0000 MHz	939KG7W	44.80 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
29750.0000 - 29800.0000 MHz	3M34G7W	50.30 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
19700.0000 - 20200.0000 MHz	450MG7W	0.00 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
19800.0000 - 19950.0000 MHz	143MG7W	0.00 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
20050.0000 - 20125.0000 MHz	71M5G7W	0.00 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
ANTENNA ID: 2	0.75 meters	JONSA	E74
29600.0000 - 29700.0000 MHz	194KG7W	37.90 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
29600.0000 - 29700.0000 MHz	939KG7W	44.80 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
29600.0000 - 29700.0000 MHz	3M36G7W	50.30 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
29750.0000 - 29800.0000 MHz	194KG7W	37.90 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
29750.0000 - 29800.0000 MHz	939KG7W	44.80 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
29750.0000 - 29800.0000 MHz	3M36G7W	50.30 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
19700.0000 - 20200.0000 MHz	450MG7W	0.00 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
19800.0000 - 19950.0000 MHz	143MG7W	0.00 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
20050.0000 - 20125.0000 MHz	71M5G7W	0.00 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
ANTENNA ID: 3	1 meters	Newtec	ANT2025

29600.0000 - 29700.0000 MHz	194KG7W	37.90 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
29600.0000 - 29750.0000 MHz	3M37G7W	50.30 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
29600.0000 - 29700.0000 MHz	5M93G7W	52.80 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
29750.0000 - 29800.0000 MHz	194KG7W	37.90 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
29750.0000 - 29800.0000 MHz	3M37G7W	50.30 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
29750.0000 - 29800.0000 MHz	5M93G7W	52.80 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
19700.0000 - 20200.0000 MHz	450MG7W	0.00 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
19800.0000 - 19950.0000 MHz	143MG7W	0.00 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
20050.0000 - 20125.0000 MHz	71M5G7W	0.00 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
ANTENNA ID: 4	1 meters	JONSA	E0971V
29600.0000 - 29700.0000 MHz	194KG7W	37.90 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
29600.0000 - 29700.0000 MHz	3M37G7W	50.30 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
29600.0000 - 29700.0000 MHz	4M86G7W	51.90 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
29750.0000 - 29800.0000 MHz	194KG7W	37.90 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
29750.0000 - 29800.0000 MHz	3M37G7W	50.30 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
29750.0000 - 29800.0000 MHz	4M86G7W	51.90 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
19700.0000 - 20200.0000 MHz	450MG7W	0.00 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
19800.0000 - 19950.0000 MHz	143MG7W	0.00 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
20050.0000 - 20125.0000 MHz	71M5G7W	0.00 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
ANTENNA ID: 5	1.2 meters	Newtec	ANT2035
29600.0000 - 29700.0000 MHz	194KG7W	37.90 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
29600.0000 - 29700.0000 MHz	3M37G7W	50.30 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
29600.0000 - 29700.0000 MHz	8M58G7W	54.40 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
29750.0000 - 29800.0000 MHz	194KG7W	37.90 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
29750.0000 - 29800.0000 MHz	3M37G7W	50.30 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
29750.0000 - 29800.0000 MHz	8M58G7W	54.40 dBW	QPSK, 8PSK, 8APSK, 16APSK / data

19700.0000 - 20200.0000 MHz	450MG7W	0.00 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
19800.0000 - 19950.0000 MHz	143MG7W	0.00 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
20050.0000 - 20125.0000 MHz	71M5G7W	0.00 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
ANTENNA ID: 6	1.2 meters	Global Skyware	#12159
29600.0000 - 29700.0000 MHz	194KG7W	37.90 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
29600.0000 - 29700.0000 MHz	3M37G7W	50.30 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
29600.0000 - 29700.0000 MHz	7M88G7W	54.00 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
19700.0000 - 20200.0000 MHz	450MG7W	0.00 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
19800.0000 - 19950.0000 MHz	143MG7W	0.00 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
20050.0000 - 20125.0000 MHz	71M5G7W	0.00 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
29750.0000 - 29800.0000 MHz	194KG7W	37.90 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
29750.0000 - 29800.0000 MHz	3M37G7W	50.30 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
29750.0000 - 29800.0000 MHz	7M88G7W	54.00 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
ANTENNA ID: 8	1.8 meters	General Dynamics	3180
29600.0000 - 29700.0000 MHz	194KG7W	37.90 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
29600.0000 - 29700.0000 MHz	8M64G7W	54.40 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
29600.0000 - 29700.0000 MHz	20M8G7W	58.20 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
29750.0000 - 29800.0000 MHz	194KG7W	37.90 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
29750.0000 - 29800.0000 MHz	8M64G7W	54.40 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
29750.0000 - 29800.0000 MHz	20M8G7W	58.20 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
19700.0000 - 20200.0000 MHz	450MG7W	0.00 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
19800.0000 - 19950.0000 MHz	143MG7W	0.00 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
20050.0000 - 20125.0000 MHz	71M5G7W	0.00 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
ANTENNA ID: 9	1.8 meters	Newstar	NS-SECK-180
29600.0000 - 29700.0000 MHz	194KG7W	37.90 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
29600.0000 - 29700.0000 MHz	8M64G7W	54.40 dBW	QPSK, 8PSK, 8APSK, 16APSK / data

29600.0000 - 29700.0000 MHz	20M8G7W	58.20 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
29750.0000 - 29800.0000 MHz	194KG7W	37.90 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
29750.0000 - 29800.0000 MHz	8M64G7W	54.40 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
29750.0000 - 29800.0000 MHz	20M8G7W	58.20 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
19700.0000 - 20200.0000 MHz	450MG7W	0.00 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
19800.0000 - 19950.0000 MHz	143MG7W	0.00 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
20050.0000 - 20125.0000 MHz	71M5G7W	0.00 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
ANTENNA ID: 10	2.4 meters	Newstar	NS-SECK-240
29600.0000 - 29700.0000 MHz	194KG7W	37.90 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
29600.0000 - 29700.0000 MHz	8M64G7W	54.40 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
29600.0000 - 29700.0000 MHz	20M8G7W	58.20 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
29750.0000 - 29800.0000 MHz	194KG7W	37.90 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
29750.0000 - 29800.0000 MHz	8M64G7W	54.40 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
29750.0000 - 29800.0000 MHz	20M8G7W	58.20 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
19700.0000 - 20200.0000 MHz	450MG7W	0.00 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
19800.0000 - 19950.0000 MHz	143MG7W	0.00 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
20050.0000 - 20125.0000 MHz	71M5G7W	0.00 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
ANTENNA ID: 11	4.5 meters	Newstar	NS-SECK-450
29600.0000 - 29700.0000 MHz	194KG7W	37.90 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
29600.0000 - 29700.0000 MHz	8M64G7W	54.40 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
29600.0000 - 29700.0000 MHz	20M8G7W	58.20 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
29750.0000 - 29800.0000 MHz	194KG7W	37.90 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
29750.0000 - 29800.0000 MHz	8M64G7W	54.40 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
29750.0000 - 29800.0000 MHz	20M8G7W	58.20 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
19700.0000 - 20200.0000 MHz	450MG7W	0.00 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
19800.0000 - 19950.0000 MHz	143MG7W	0.00 dBW	QPSK, 8PSK, 8APSK, 16APSK / data

20050.0000 - 20125.0000 MHz	71M5G7W	0.00 dBW	QPSK, 8PSK, 8APSK, 16APSK / data
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Points of Communication:

1 - JCSAT-18/Kacific-1 - (150 E.L.)

SES-LIC-20221227-01438	E E220193	Kuiper Systems LLC	11/13/2023 - 11/13/2038
Application for Authority			Date Effective: 11/13/2023
Grant of Authority			

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service, Mobile Satellite Service

SITE ID: Carr, CO Gateway

LOCATION: 13765 West County Road 120, Weld, Carr, CO

40 ° 51 ' 24.40 " N LAT.

104 ° 47 ' 58.30 " W LONG.

ANTENNA ID:	AMZN-2.4M	2.4 meters	Kuiper	24001
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17800.0000 - 18600.0000 MHz	100MG7D	0.00 dBW	BPSK up to 64 QAM; Digital Data
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17800.0000 - 18600.0000 MHz	500MG7D	0.00 dBW	BPSK up to 64 QAM; Digital Data
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18800.0000 - 20200.0000 MHz	100MG7D	0.00 dBW	BPSK up to 64 QAM; Digital Data
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18800.0000 - 20200.0000 MHz	500MG7D	0.00 dBW	BPSK up to 64 QAM; Digital Data
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27500.0000 - 30000.0000 MHz	500MG7D	63.80 dBW	BPSK up to 512QAM; Digital Data
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27500.0000 - 30000.0000 MHz	50M0G7D	53.80 dBW	BPSK up to 512QAM; Digital Data
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Points of Communication:

Carr, CO Gateway - Kuiper NGSO - (NGSO)

SES-LIC-20230327-00421	E E230049	Discovery Productions Group, Inc.	11/13/2023 - 11/13/2038
Application for Authority			Date Effective: 11/13/2023
Grant of Authority			

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 45580 Terminal Drive, Loudoun, Sterling, VA

38 ° 59 ' 15.80 " N LAT.

77 ° 25 ' 31.90 " W LONG.

ANTENNA ID:	A14	9.1 meters	Viasat	8009
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5925.0000 - 6425.0000 MHz	36M0G7W	77.50 dBW	Digital Modulation, voice, video, QPSK, 8PSK, 16APSK
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SITE ID: 2
LOCATION: 45580 Terminal Drive, Loudoun, Sterling, VA
38 ° 59 ' 15.80 " N LAT. 77 ° 25 ' 32.90 " W LONG.

ANTENNA ID: A13 9.1 meters Viasat 8009
5925.0000 - 6425.0000 MHz 36M0G7W 77.50 dBW Digital Modulation, voice, video, QPSK, 8PSK, 16APSK

Points of Communication:

1 - PERMITTED LIST - ()

2 - PERMITTED LIST - ()

SES-MOD-20230814-01974 E E110172 Sirius XM Radio Inc.
Application for Modification 02/15/2012 - 02/15/2027
Grant of Authority Date Effective: 11/14/2023

Class of Station: Other

Nature of Service: Satellite Digital Audio Radio Service

Sirius XM Radio Inc. has been granted modification of its SDARS terrestrial repeater station to replace its points of communications listed individually to the Sirius FM and XM satellite fleet.

SITE ID: Blanket
LOCATION: United State and Territories, VARIOUS

ANTENNA ID: Blanket-1
2343.1250 - 2344.9650 MHz 1M84G1W 0.00 dBW
2341.2850 - 2343.1250 MHz 1M84G1W 0.00 dBW
2336.2250 - 2341.2850 MHz 5M06D7W 3.00 dBW
2334.3850 - 2336.2250 MHz 1M84G1W 0.00 dBW
2332.5450 - 2334.3850 MHz 1M84G1W 0.00 dBW
2324.2440 - 2328.2560 MHz 4M01D7W 3.00 dBW

ANTENNA ID: Blanket-2
2343.1250 - 2344.9650 MHz 1M84G1W 0.00 dBW
2341.2850 - 2343.1250 MHz 1M84G1W 0.00 dBW
2336.2250 - 2341.2850 MHz 5M06D7W 40.80 dBW
2334.3850 - 2336.2250 MHz 1M84G1W 0.00 dBW

2332.5450 - 2334.3850 MHz	1M84G1W	0.00 dBW
2324.2440 - 2328.2560 MHz	4M01D7W	40.80 dBW

SITE ID: Rensselaer
LOCATION: 400 Ridge Rd., Rensselaer, NY
42 ° 36 ' 12.00 " N LAT. 73 ° 44 ' 0.00 " W LONG.

ANTENNA ID: XMALB013B

2343.1250 - 2344.9650 MHz	1M84G1W	0.00 dBW
2341.2850 - 2343.1250 MHz	1M84G1W	0.00 dBW
2336.2250 - 2341.2850 MHz	5M06D7W	45.31 dBW
2334.3850 - 2336.2250 MHz	1M84G1W	0.00 dBW
2332.5450 - 2334.3850 MHz	1M84G1W	0.00 dBW
2324.2440 - 2328.2560 MHz	4M01D7W	45.31 dBW

SITE ID: Fresno
LOCATION: 4880 W. Jacquelyn St., Fresno, CA
36 ° 49 ' 0.00 " N LAT. 119 ° 52 ' 56.00 " W LONG.

ANTENNA ID: XMFRE002A

2343.1250 - 2344.9650 MHz	1M84G1W	0.00 dBW
2341.2850 - 2343.1250 MHz	1M84G1W	0.00 dBW
2336.2250 - 2341.2850 MHz	5M06D7W	45.80 dBW
2334.3850 - 2336.2250 MHz	1M84G1W	0.00 dBW
2332.5450 - 2334.3850 MHz	1M84G1W	0.00 dBW
2324.2440 - 2328.2560 MHz	4M01D7W	45.80 dBW

SITE ID: Tacoma
LOCATION: 5913 6th St., Tacoma, WA
47 ° 15 ' 48.00 " N LAT. 122 ° 20 ' 53.00 " W LONG.

ANTENNA ID: XMSEA52D

2343.1250 - 2344.9650 MHz	1M84G1W	0.00 dBW
2341.2850 - 2343.1250 MHz	1M84G1W	0.00 dBW
2336.2250 - 2341.2850 MHz	5M06D7W	42.55 dBW

2334.3850 - 2336.2250 MHz	1M84G1W	0.00 dBW
2332.5450 - 2334.3850 MHz	1M84G1W	0.00 dBW
2324.2440 - 2328.2560 MHz	4M01D7W	42.55 dBW

SITE ID: Washington
LOCATION: 4623 41st St., N.W., Washington, DC
38 ° 57 ' 1.00 " N LAT. 77 ° 4 ' 47.00 " W LONG.

ANTENNA ID: XMWDC105

2343.1250 - 2344.9650 MHz	1M84G1W	0.00 dBW
2341.2850 - 2343.1250 MHz	1M84G1W	0.00 dBW
2336.2250 - 2341.2850 MHz	5M06D7W	43.80 dBW
2334.3850 - 2336.2250 MHz	1M84G1W	0.00 dBW
2332.5450 - 2334.3850 MHz	1M84G1W	0.00 dBW
2324.2440 - 2328.2560 MHz	4M01D7W	43.80 dBW

SITE ID: Blanket-IM
LOCATION: United State and Territories, VARIOUS

ANTENNA ID: BlanketIM1

2324.2440 - 2328.2560 MHz	4M01D7W	3.00 dBW
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ANTENNA ID: BlanketIM2

2336.2250 - 2341.2850 MHz	5M06D7W	40.80 dBW
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Points of Communication:

Blanket - SDARS SATS - (VARIOUS)

Fresno - SDARS SATS - (VARIOUS)

Rensselaer - SDARS SATS - (VARIOUS)

Tacoma - SDARS SATS - (VARIOUS)

Washington - SDARS SATS - (VARIOUS)

SES-RWL-20230926-02121 E E080120 EchoStar BSS Corporation
Renewal
Grant of Authority

11/03/2023 - 11/03/2038
Date Effective: 11/08/2023

Class of Station: Fixed Earth Stations

Nature of Service: Direct Broadcast Satellite Service, Fixed Satellite Service, Other

SITE ID: D1

LOCATION: 530 EchoStar Drive, Laramie, Cheyenne, WY
41 ° 7 ' 54.40 " N LAT.

104 ° 44 ' 12.40 " W LONG.

ANTENNA ID:	D1	9 meters	Vertex	9m	
	17790.0000 - 17800.0000 MHz		800KG2D	78.10 dBW	Telecommand
	17790.0000 - 17800.0000 MHz		1M50F3D	80.84 dBW	Ranging Tones
	17790.0000 - 17800.0000 MHz		24M0G7W	86.50 dBW	Digital Data and Compressed Video
	17300.0000 - 17310.0000 MHz		800KG2D	78.10 dBW	Telecommand
	17300.0000 - 17310.0000 MHz		1M50F3D	80.84 dBW	Ranging Tones
	12690.0000 - 12700.0000 MHz		800KG2D	0.00 dBW	Telemetry
	12690.0000 - 12700.0000 MHz		1M50F3D	0.00 dBW	Ranging Tones
	12210.0000 - 12700.0000 MHz		24M0G7W	0.00 dBW	Digital Data and Compressed Video
	12200.0000 - 12210.0000 MHz		800KG2D	0.00 dBW	Telemetry
	12200.0000 - 12210.0000 MHz		1M50F3D	0.00 dBW	Ranging Tones

SITE ID: D2

LOCATION: 530 ECHOSTAR DRIVE, LARAMIE, CHEYENNE, WY
41 ° 7 ' 54.40 " N LAT.

104 ° 44 ' 13.10 " W LONG.

ANTENNA ID:	D2	9 meters	Vertex	9m	
	17790.0000 - 17800.0000 MHz		800KG2D	78.10 dBW	Telecommand
	17790.0000 - 17800.0000 MHz		1M50F3D	80.84 dBW	Ranging Tones
	17300.0000 - 17800.0000 MHz		24M0G7W	86.50 dBW	Digital Data and Compressed Video
	17300.0000 - 17310.0000 MHz		800KG2D	78.10 dBW	Telecommand
	17300.0000 - 17310.0000 MHz		1M50F3D	80.84 dBW	Ranging Tones
	12690.0000 - 12700.0000 MHz		800KG2D	0.00 dBW	Telemetry
	12690.0000 - 12700.0000 MHz		1M50F3D	0.00 dBW	Ranging Tones
	12210.0000 - 12700.0000 MHz		24M0G7W	0.00 dBW	Digital Data and Compressed Video
	12200.0000 - 12210.0000 MHz		1M50F3D	0.00 dBW	Ranging Tones

12200.0000 - 12210.0000 MHz	800KG2D	0.00 dBW	Telemetry
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Points of Communication:

- D1 - CIEL 2 - (128.85 W.L)
- D1 - EHOSTAR 15 (S2811) - (61.65 W.L.)
- D1 - EHOSTAR/DISH - ()
- D1 - NIMIQ 5 - (72.7 W.L.)
- D2 - CIEL 2 - (128.85 W.L)
- D2 - EHOSTAR 15 (S2811) - (61.65 W.L.)
- D2 - EHOSTAR/DISH - ()
- D2 - NIMIQ 5 - (72.7 W.L.)

SES-RWL-20230927-02154	E E080030	Ligado Networks Subsidiary LLC	10/27/2023 - 10/27/2038
Renewal			Date Effective: 11/08/2023
Grant of Authority			

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service, Mobile Satellite Service

SITE ID: Site 1
LOCATION: 961 Anselmo Court, Napa, Napa, CA
38 ° 14 ' 41.50 " N LAT. 122 ° 16 ' 47.50 " W LONG.

ANTENNA ID:	7.3M	7.3 meters	Viasat	7.3 Meter
13248.0000 - 13250.0000 MHz	1M20G7D	82.50 dBW	Digital Data Carrier	
13240.5000 - 13245.5000 MHz	0H00N0N	82.50 dBW	CW	
12780.0000 - 13140.0000 MHz	0H00N0N	68.70 dBW	CW	
12780.0000 - 13140.0000 MHz	6K00G7D	28.76 dBW	Digital Data Carrier	
12780.0000 - 13140.0000 MHz	312KG7D	56.50 dBW	Digital Data Carrier	
12780.0000 - 13140.0000 MHz	1M25G7D	68.70 dBW	Digital Data Carrier	
12780.0000 - 13140.0000 MHz	5M00G7D	68.70 dBW	Digital Data Carrier	
12750.0000 - 12752.0000 MHz	1M20G7D	82.50 dBW	Digital Data Carrier	
11200.0000 - 11450.0000 MHz	312KG7D	Digital Data Carrier		
11200.0000 - 11450.0000 MHz	6K00G7D	Digital Data Carrier		

11200.0000 - 11450.0000 MHz	0H00N0N			CW
11200.0000 - 11450.0000 MHz	1M25G7D			Digital Data Carrier
11200.0000 - 11450.0000 MHz	5M00G7D			Digital Data Carrier
11200.0000 - 11205.0000 MHz	1M20G7D			Digital Data Carrier
10700.0000 - 10950.0000 MHz	312KG7D			Digital Data Carrier
10700.0000 - 10950.0000 MHz	6K00G7D			Digital Data Carrier
10700.0000 - 10950.0000 MHz	0H00N0N			CW
10700.0000 - 10950.0000 MHz	1M25G7D			Digital Data Carrier
10700.0000 - 10950.0000 MHz	5M00G7D			Digital Data Carrier
ANTENNA ID: L-band 1	0.35 meters	Viasat		Horn antenna
1646.5000 - 1660.5000 MHz	1M25G7D	9.00 dBW		Digital Data Carrier
1646.5000 - 1660.5000 MHz	625KG7D	9.00 dBW		Digital Data Carrier
1646.5000 - 1660.5000 MHz	312KG7D	9.00 dBW		Digital Data Carrier
1626.5000 - 1645.5000 MHz	1M25G7D	9.00 dBW		Digital Data Carrier
1626.5000 - 1645.5000 MHz	625KG7D	9.00 dBW		Digital Data Carrier
1626.5000 - 1645.5000 MHz	312KG7D	9.00 dBW		Digital Data Carrier
1545.0000 - 1559.0000 MHz	1M25G7D			Digital Data Carrier
1545.0000 - 1559.0000 MHz	625KG7D			Digital Data Carrier
1545.0000 - 1559.0000 MHz	312KG7D			Digital Data Carrier
1525.0000 - 1544.0000 MHz	1M25G7D			Digital Data Carrier
1525.0000 - 1544.0000 MHz	625KG7D			Digital Data Carrier
1525.0000 - 1544.0000 MHz	312KG7D			Digital Data Carrier
ANTENNA ID: L-band 2	0.35 meters	Viasat		Horn antenna
1646.5000 - 1660.5000 MHz	1M25G7D	9.00 dBW		Digital Data Carrier
1646.5000 - 1660.5000 MHz	625KG7D	9.00 dBW		Digital Data Carrier
1646.5000 - 1660.5000 MHz	312KG7D	9.00 dBW		Digital Data Carrier

1626.5000 - 1645.5000 MHz	1M25G7D	9.00 dBW	Digital Data Carrier
1626.5000 - 1645.5000 MHz	625KG7D	9.00 dBW	Digital Data Carrier
1626.5000 - 1645.5000 MHz	312KG7D	9.00 dBW	Digital Data Carrier
1545.0000 - 1559.0000 MHz	1M25G7D		Digital Data Carrier
1545.0000 - 1559.0000 MHz	625KG7D		Digital Data Carrier
1545.0000 - 1559.0000 MHz	312KG7D		Digital Data Carrier
1525.0000 - 1544.0000 MHz	1M25G7D		Digital Data Carrier
1525.0000 - 1544.0000 MHz	625KG7D		Digital Data Carrier
1525.0000 - 1544.0000 MHz	312KG7D		Digital Data Carrier
ANTENNA ID: 11.3M - 2	11.3 meters	Viasat	11.3 Meter
14499.5000 - 14499.5000 MHz	700KF9D	85.00 dBW	Satellite Command Channel
14000.5000 - 14000.5000 MHz	700KF9D	85.00 dBW	Satellite Command Channel
13248.0000 - 13250.0000 MHz	1M20G7D	85.00 dBW	Digital Data Carrier
13240.5000 - 13245.5000 MHz	0H00N0N	85.00 dBW	CW
12780.0000 - 13140.0000 MHz	6K00G7D	32.26 dBW	Digital Data Carrier
12780.0000 - 13140.0000 MHz	312KG7D	60.00 dBW	Digital Data Carrier
12780.0000 - 13140.0000 MHz	0H00N0N	71.20 dBW	CW
12780.0000 - 13140.0000 MHz	1M25G7D	71.20 dBW	Digital Data Carrier
12780.0000 - 13140.0000 MHz	5M00G7D	71.20 dBW	Digital Data Carrier
12750.0000 - 12752.0000 MHz	1M20G7D	85.00 dBW	Digital Data Carrier
11701.0000 - 11700.1000 MHz	138KGXD		Satellite Telemetry Channel
11700.5000 - 11700.5000 MHz	138KGXD		Satellite Telemetry Channel
11200.0000 - 11450.0000 MHz	312KG7D		Digital Data Carrier
11200.0000 - 11450.0000 MHz	6K00G7D		Digital Data Carrier
11200.0000 - 11450.0000 MHz	0H00N0N		CW
11200.0000 - 11450.0000 MHz	1M25G7D		Digital Data Carrier

11200.0000 - 11450.0000 MHz	5M00G7D		Digital Data Carrier
11200.0000 - 11205.0000 MHz	1M20G7D		Digital Data Carrier
10700.0000 - 10950.0000 MHz	312KG7D		Digital Data Carrier
10700.0000 - 10950.0000 MHz	6K00G7D		Digital Data Carrier
10700.0000 - 10950.0000 MHz	0H00N0N		CW
10700.0000 - 10950.0000 MHz	1M25G7D		Digital Data Carrier
10700.0000 - 10950.0000 MHz	5M00G7D		Digital Data Carrier
ANTENNA ID: 11.3M -1	11.3 meters	Viasat	11.3 Meter
13248.0000 - 13250.0000 MHz	1M20G7D	85.00 dBW	Digital Data Carrier
13240.5000 - 13245.5000 MHz	0H00N0N	85.00 dBW	CW
12780.0000 - 13140.0000 MHz	6K00G7D	32.26 dBW	Digital Data Carrier
12780.0000 - 13140.0000 MHz	312KG7D	60.00 dBW	Digital Data Carrier
12780.0000 - 13140.0000 MHz	0H00N0N	71.20 dBW	CW
12780.0000 - 13140.0000 MHz	1M25G7D	71.20 dBW	Digital Data Carrier
12780.0000 - 13140.0000 MHz	5M00G7D	71.20 dBW	Digital Data Carrier
12750.0000 - 12752.0000 MHz	1M20G7D	85.00 dBW	Digital Data Carrier
11200.0000 - 11450.0000 MHz	312KG7D		Digital Data Carrier
11200.0000 - 11450.0000 MHz	6K00G7D		Digital Data Carrier
11200.0000 - 11450.0000 MHz	0H00N0N		CW
11200.0000 - 11450.0000 MHz	1M25G7D		Digital Data Carrier
11200.0000 - 11450.0000 MHz	5M00G7D		Digital Data Carrier
11200.0000 - 11205.0000 MHz	1M20G7D		Digital Data Carrier
10700.0000 - 10950.0000 MHz	312KG7D		Digital Data Carrier
10700.0000 - 10950.0000 MHz	6K00G7D		Digital Data Carrier
10700.0000 - 10950.0000 MHz	0H00N0N		CW
10700.0000 - 10950.0000 MHz	1M25G7D		Digital Data Carrier

10700.0000 - 10950.0000 MHz

5M00G7D

Digital Data Carrier

Points of Communication:

Site 1 - MSAT-2 (AMSC-1) - (107.5 W.L.)

Site 1 - SKYTERRA 1 - (101.3 W.L.)

SES-RWL-20231103-02383 E E910543 RCN License Subsidiary, Inc.

Renewal

10/04/2023 - 10/04/2038

Grant of Authority

Date Effective: 11/09/2023

Class of Station: Temporary Fixed Earth Station

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1

LOCATION: VARIOUS

ANTENNA ID: 1

4.5 meters

DALSAT

ARTIC

5925.0000 - 6425.0000 MHz

36M0F3F

70.80 dBW

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20231106-02384 E E080247 Cape Publications, Inc.

Renewal

01/26/2024 - 01/26/2039

Grant of Authority

Date Effective: 11/09/2023

Class of Station: Temporary Fixed Earth Station

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1

LOCATION: KFSM, VARIOUS

ANTENNA ID: T1

1.2 meters

Advantech

120

14000.0000 - 14500.0000 MHz

36M0G7W

63.50 dBW

Digital Video and Audio

14000.0000 - 14500.0000 MHz

2M00G7W

55.50 dBW

Digital Video and Audio

11700.0000 - 12200.0000 MHz

36M0G7W

Digital Video and Audio

11700.0000 - 12200.0000 MHz

2M00G7W

Digital Video and Audio

Points of Communication:

1 - PERMITTED LIST - ()

SES-STA-20220627-00702 E E190037 ATLAS Space Operations, Inc
Special Temporary Authority
Withdrawn
Date Effective: 11/08/2023

Class of Station:

Points of Communication:

SES-STA-20220921-00981 E E190037 ATLAS Space Operations, Inc
Special Temporary Authority
Withdrawn
Date Effective: 11/08/2023

Class of Station:

Points of Communication:

SES-STA-20230323-00638 E E170088 Viasat, Inc.
Special Temporary Authority
Grant of Authority
Date Effective: 11/14/2023

Class of Station:

On November 14, 2023, ViaSat, Inc. ("ViaSat"), was granted a 60-day special temporary authority (STA), commencing November 20, 2023, through January 18, 2024, to operate its earth stations throughout the United States, Hawaii, Puerto Rico, and U.S. Virgin Islands with the Viasat-3 (Call Sign S2917 and S3050) satellite at orbital location 88.9° W.L. as an additional point of communication, including in-orbit testing (IOT). Operations will be performed in the following frequency bands: 29.5-30.0 GHz (Earth-to-space) and 19.7-20.2 GHz, 17.7-18.3 GHz (space-to-Earth).

Points of Communication:

SES-STA-20230421-00914 E E190037 ATLAS Space Operations, Inc
Special Temporary Authority
Withdrawn
Date Effective: 11/08/2023

Class of Station:

Points of Communication:

SES-STA-20230630-01595 E E210397 Viasat, Inc.
Special Temporary Authority
Grant of Authority
Date Effective: 11/14/2023

Class of Station:

On November 14, 2023, ViaSat, Inc. was granted special temporary authority for 180 days, beginning on November 14, 2023, through May 11, 2024, to use its 2.4 meter fixed earth station in Tifton, GA to perform in-orbit testing (IOT) and to communicate with the ViaSat-3 satellite (S2917 and S3050) at the 88.9° W.L. orbital location in the 17.7-18.3 GHz (space-to-Earth) and 27.5-28.35 GHz (Earth-to-space) frequency bands.

Points of Communication:

SES-STA-20230808-01948 E E202173 ATLAS Space Operations, Inc
Special Temporary Authority
Withdrawn
Date Effective: 11/08/2023

Class of Station:

Points of Communication:

SES-STA-20230809-01953 E E120008 Intelsat License LLC

Special Temporary Authority

Grant of Authority

Date Effective: 11/08/2023

Class of Station:

On November 8, 2023, Intelsat License LLC was granted special temporary authority for 30 days, beginning on November 9, 2023 through December 8, 2023, to use its fixed earth station in Haleiwa, HI to provide telemetry, tracking, and command (TT&C) services for the Galaxy 11 (S2253) satellite during its drift from the 93.1° W.L. orbital location to the 166.3° E.L. orbital location at the 14000.5 MHz and 14498.5 MHz (Earth-to-space), and 11701.0 MHz and 11702.0 MHz (space-to-Earth) center frequencies.

Points of Communication:

SES-STA-20230825-02019 E E202133 O3b Limited

Special Temporary Authority

Grant of Authority

Date Effective: 11/14/2023

Class of Station:

On November 14, 2024, O3b Limited was granted special temporary authority for 30 days, beginning on November 16, 2023 through December 15, 2023, to test and evaluate the capabilities of the mPOWER gateway antennas in Haleiwa, HI to communicate with the AMC-15 (S2180) satellite at the 105.05° W.L. orbital location in the 19.7-20.2 GHz (space-to-Earth), 28.4-28.6 GHz and 29.5-30.0 GHz (Earth-to-space) frequency bands.

Points of Communication:

SES-STA-20230919-02099 E E230145 Viasat, Inc.

Special Temporary Authority

Grant of Authority

Date Effective: 11/14/2023

Class of Station:

On November 14, 2023, ViaSat, Inc. was granted an additional 60 days of special temporary authority beginning on November 14, 2023, through January 12, 2024, to operate up to 1,000 M40 and 3,000 GM40 aeronautical earth stations in motion (ESIM) throughout CONUS and Puerto Rico, and 10 fixed earth station reference antennas located in CONUS, to communicate with the SES-17 (S3043) satellite at orbital location 67.1° W.L. in the 18.8-19.3 GHz and 19.7-20.2 GHz (space-to-Earth), and 29.5-30.0 GHz (Earth-to-space) frequency bands.

Points of Communication:

SES-STA-20230929-02158 E E160032 Spire Global, Inc.

Special Temporary Authority

Grant of Authority

Date Effective: 11/09/2023

Class of Station:

On November 9, 2023, Spire Global, Inc. was granted special temporary authority for 30 days, beginning on November 9, 2023 through December 8, 2023, to operate its fixed earth station in Freeport, PA to provide telemetry, tracking, and command (TT&C) and data downlink services for the experimental Mango Two satellite (WW9XGO) at the 402.79 MHz and 2022.5 MHz (space-to-Earth), and the 402.79 MHz (Earth-to-space) center frequencies.

Points of Communication:

SES-STA-20230929-02180 E E160037 Spire Global, Inc.
Special Temporary Authority
Grant of Authority

Date Effective: 11/08/2023

Class of Station:

On November 8, 2023, Spire Global, Inc. was granted special temporary authority for 30 days, beginning on November 9, 2023 through December 8, 2023 to operate its antenna in Naahelu, HI to provide telemetry, tracking, and command (TT&C) support for the experimental Mango Two (WW9XGO) satellite at the 402.79 MHz (Earth-to-space) and 402.79 MHz and 2022.5 MHz (space-to-Earth) center frequencies.

Points of Communication:

SES-STA-20230929-02182 E E160039 Spire Global, Inc.
Special Temporary Authority
Grant of Authority

Date Effective: 11/08/2023

Class of Station:

On November 8, 2023, Spire Global, Inc. was granted special temporary authority for 30 days, beginning on November 9, 2023 through December 8, 2023 to operate its antenna in King, WA to provide telemetry, tracking, and command (TT&C) support for the experimental Mango Two (WW9XGO) satellite at the 402.79 MHz (Earth-to-space) and 402.79 MHz and 2022.5 MHz (space-to-Earth) center frequencies.

Points of Communication:

SES-STA-20230929-02186 E E170148 Spire Global, Inc.
Special Temporary Authority
Grant of Authority

Date Effective: 11/09/2023

Class of Station:

On November 9, 2023, Spire Global, Inc. was granted special temporary authority for 30 days, beginning on November 9, 2023 through December 8, 2023, to operate its fixed earth station in Juneau, AK to provide telemetry, tracking, and command (TT&C) and data downlink services for the experimental Mango Two satellite (WW9XGO) at the 402.79 MHz and 2022.5 MHz (space-to-Earth), and the 402.79 MHz (Earth-to-space) center frequencies.

Points of Communication:

SES-STA-20230929-02188 E E170149 Spire Global, Inc.
Special Temporary Authority
Grant of Authority

Date Effective: 11/09/2023

Class of Station:

On November 9, 2023, Spire Global, Inc. was granted special temporary authority for 30 days, beginning on November 9, 2023 through December 8, 2023, to operate its fixed earth station in Tucson, AZ to provide telemetry, tracking, and command (TT&C) and data downlink services for the experimental Mango Two satellite (WW9XGO) at the 402.79 MHz and 2022.5 MHz (space-to-Earth), and the 402.79 MHz (Earth-to-space) center frequencies.

Points of Communication:

SES-STA-20231012-02230 E E190037 ATLAS Space Operations, Inc.
Special Temporary Authority
Grant of Authority

Date Effective: 11/09/2023

Class of Station:

On November 9, 2023, ATLAS Space Operations, Inc. ("ATLAS"), was granted a 30-day special temporary authority (STA), commencing November 9, 2023, through December 8, 2023, to operate its earth station located in Dededo, Guam (Call Sign E190037) to provide telemetry, tracking, and control (TT&C) functions to the FalconSat-X (SPS- 26353/1) satellite using center frequencies 2109.75 MHz (Earth-to-space) and 2288 MHz (space-to-Earth).

Points of Communication:

SES-STA-20231018-02243 E E202173 ATLAS Space Operations, Inc
Special Temporary Authority
Grant of Authority
Date Effective: 11/09/2023

Class of Station:

On November 9, 2023, ATLAS Space Operations, Inc was granted special temporary authority for 30 days, beginning on November 9, 2023 through December 8, 2023, to operate its fixed earth station in Utqiagvik, AK to provide telemetry, tracking, and control (TT&C) functions for the FalconSat-X (SPS- 26353/1) satellite at the 2109.75 MHz (Earth-to-space), and 2288 MHz (space-to-Earth) center frequencies.

Points of Communication:

SES-STA-20231018-02247 E E230151 RBC Signals, LLC
Special Temporary Authority
Grant of Authority
Date Effective: 11/07/2023

Class of Station:

On November 7, 2023, RBC Signals, LLC ("RBC Signals"), was granted an additional 60-day special temporary authority (STA), commencing November 7, 2023, through January 5, 2024, to operate its fixed 3.7 meter S and X band earth station in Deadhorse, AK , Call Sign E230151, to conduct telemetry, tracking, and command (TT&C) uplink operations in the 8025-8400 MHz (space-to-Earth) and 2025-2110 MHz (Earth-to-space) frequency bands to support the Sherpa-LTE1, the Sherpa AC1 (Call Sign S3133), the Vigoride-5 (Call Sign S3144), Vigoride-6 (Call Sign S3154), the GHOST constellation (Call Sign S3139), the Starfish Otter Pup (Call Sign WN2XEL) and the Tranche 0 (Call Sign WM2XVE) spacecrafts. RBC Signals will conduct TT&C operations as specified.

Points of Communication:

SES-STA-20231026-02271 E E120008 Intelsat License LLC
Special Temporary Authority
Grant of Authority
Date Effective: 11/08/2023

Class of Station:

On November 8, 2023, Intelsat License LLC ("Intelsat"), was granted an additional 30-day special temporary authority (STA), commencing November 9, 2023, through December 8, 2023, to operate its Ku-band antenna located in Haleiwa, HI to provide telemetry, tracking, and command (TT&C) services for the Intelsat 5 (S2704) satellite on-station at 166.15° E.L. orbital location using center frequencies 14.498 GHz (Earth-to-space), and 11.451 GHz, 11.452 GHz, and 11.454 GHz (space-to-Earth).

Points of Communication:

SES-STA-20231031-02280 E Telesat Network Services, Inc.
Special Temporary Authority
Grant of Authority
Date Effective: 11/14/2023

Class of Station:

On November 14, 2023, Telesat Network Services, Inc. was granted special temporary authority for 30 days, beginning on November 29, 2023 through December 28, 2023 to operate its antenna in Jackson, VA to communicate with the LEO 3, non-geostationary satellite orbit (NGSO) satellite in the 28.6-29.1 GHz (Earth-to-space) and 18.8-19.3 GHz (space-to-Earth) frequency bands.

Points of Communication:

For more information concerning this Notice, contact the Earth Station Licensing Division at (202) 418-0719.