



PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION
445 12th STREET S.W.
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-02013

Wednesday November 29, 2017

Satellite Communications Services Information

re: Actions Taken

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

SES-LIC-20170804-00861 E E170171 Spire Global, Inc.
Application for Authority 11/27/2017 - 11/27/2032
Granted in Part/ Deferred in Part Date Effective: 11/27/2017

Class of Station: Fixed Earth Stations

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

This application was granted in part and deferred in part on November 27, 2017. Spire was granted authority to operate this earth station located in Charlotte, NC, with the LEMUR (S2946) NGSO satellite constellation system in the 402-403 MHz (Earth-to-space & space-to Earth) and the 2020-2025 MHz (space-to-Earth) frequency bands. Spire's requests for waiver of the U.S. Table of Frequency Allocations to use the 402-403 MHz (Earth-to-space & space-to Earth) band and to use the 2020- 2025 MHz band (space-to-Earth) band on a non-conforming, non-harmful interference basis was granted. Action on Spire's request to operate in the 449.75-450.25 MHz (Earth-to-space) frequency band and Spire's request for waiver of the U.S. Table of Frequency Allocations to use the 449.75-450.25 MHz on a non-conforming, non-harmful interference, subject to agreement obtained under ITU-R No. 9.21 was deferred.

SITE ID: 1
LOCATION: 5821 Fairview Road Suite G12/18, Charlotte, NC
35 ° 9 ' 8.28 " N LAT. 80 ° 50 ' 29.62 " W LONG.

ANTENNA ID:	1	1.85 meters	M2	401CP14SG
	402.0000 - 403.0000 MHz		15K0F1D 29.95 dBW	Digital/TT&C Uplink
	402.0000 - 403.0000 MHz		15K0F1D 0.00 dBW	Digital/Data Downlink and TT&C Downlink
ANTENNA ID:	2	2.46 meters	TACO	H-105
	449.7500 - 450.2500 MHz		15K0F1D 33.25 dBW	Digital/TT&C Uplink
ANTENNA ID:	3	1.2 meters	ARA; Seavey	C1502;800
	2020.0000 - 2025.0000 MHz		5M00D1W 0.00 dBW	Digital/Data Downlink

402.0000 - 403.0000 MHz	15K0F1D	31.50 dBW	Digital/TT&C Uplink
402.0000 - 403.0000 MHz	15K0F1D	0.00 dBW	Digital/Data Downlink and TT&C Downlink
ANTENNA ID: SBAND-2	1.2 meters	Elite	999001
2020.0000 - 2025.0000 MHz	5M00D1D	0.00 dBW	Digital/Data Downlink

Points of Communication:

TUSGS - LEMUR NGSO (S2946) - (NGSO)

SES-LIC-20170804-00866 E E170150 Spire Global, Inc.
 Application for Authority 11/27/2017 - 11/27/2032
 Granted in Part/ Deferred in Part Date Effective: 11/27/2017

Class of Station: Fixed Earth Stations

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

This application was granted in part and deferred in part on November 27, 2017. Spire was granted authority to operate this earth station located in Duluth, MN with LEMUR (S2946) NGSO satellite constellation system in the 402-403 MHz (Earth-to-space & space-to Earth) and the 2020-2025 MHz (space-to-Earth) frequency bands. Spire's requests for waiver of the U.S. Table of Frequency Allocations to use the 402-403 MHz (Earth-to-space & space-to Earth) band and to use the 2020- 2025 MHz band (space-to-Earth) band on a non-conforming, non-harmful interference basis was granted. Action on Spire's request to operate in the 449.75-450.25 MHz (Earth-to-space) frequency band and Spire's request for waiver of the U.S. Table of Frequency Allocations and to use the 449.75-450.25 MHz on a non-conforming, non-harmful interference, subject to agreement obtained under ITU-R No. 9.21 was deferred.

SITE ID: 1
 LOCATION: 3401 Technology Drive, Duluth, MN
 46 ° 49 ' 39.38 " N LAT. 92 ° 7 ' 49.82 " W LONG.

ANTENNA ID: 1	1.85 meters	Innov	405-18-R
402.0000 - 403.0000 MHz	15K0F1D	29.95 dBW	Digital/TT&C Uplink
402.0000 - 403.0000 MHz	15K0F1D	0.00 dBW	Digital/Data Downlink and TT&C Downlink
ANTENNA ID: 2	2.46 meters	TACO	H-105
449.7500 - 450.2500 MHz	15K0F1D	33.25 dBW	Digital/TT&C Uplink
ANTENNA ID: 3	1.2 meters	ARA; Seavey	C1502;800
2020.0000 - 2025.0000 MHz	5M00D1W	0.00 dBW	Digital/Data Downlink

Points of Communication:

1 - LEMUR NGSO (S2946) - (NGSO)

Application for Modification
Grant of Authority

08/05/2009 - 08/05/2024

Date Effective: 11/22/2017

Class of Station: Other

Nature of Service: Fixed Satellite Service, Other

SITE ID: Remotes1

LOCATION: AeroSat Avi CONUS, +TERR, INTERNATIONAL WATERS

ANTENNA ID: AeroSat Av 0.6 meters AeroSat Avionics 70-100-0000-01

14050.0000 - 14470.0000 MHz 1M60G7D 38.60 dBW QPSK OR OCTAL PSK

11700.0000 - 12200.0000 MHz 36M0G7D 0.00 dBW QPSK OR OCTAL PSK

SITE ID: Remotes2

LOCATION: TECOM CONUS,+ TERR, INTERNATIONAL WATERS

ANTENNA ID: TECOM 0.62 meters TECOM Ku-Stream

14050.0000 - 14470.0000 MHz 1M60G7D 41.30 dBW QPSK OR OCTAL PSK

14050.0000 - 14470.0000 MHz 6M40G7D 43.80 dBW QPSK OR OCTAL PSK

14050.0000 - 14470.0000 MHz 1M60G7D 38.80 dBW QPSK OR OCTAL PSK

14050.0000 - 14470.0000 MHz 3M20G7D 43.80 dBW QPSK OR OCTAL PSK

14050.0000 - 14470.0000 MHz 3M20G7D 41.80 dBW QPSK OR OCTAL PSK

14050.0000 - 14470.0000 MHz 1M60G7D 36.00 dBW QPSK OR OCTAL PSK

14050.0000 - 14470.0000 MHz 1M60G7D 41.30 dBW QPSK OR OCTAL PSK

14050.0000 - 14470.0000 MHz 3M20G7D 43.80 dBW QPSK OR OCTAL PSK

14050.0000 - 14470.0000 MHz 1M20G7D 42.80 dBW QPSK OR OCTAL PSK

14050.0000 - 14470.0000 MHz 2M04G7D 42.80 dBW QPSK OR OCTAL PSK

14050.0000 - 14470.0000 MHz 4M09G7D 42.80 dBW QPSK OR OCTAL PSK

12250.0000 - 12750.0000 MHz 36M0G7D QPSK OR OCTAL PSK

11450.0000 - 12200.0000 MHz 36M0G7D QPSK OR OCTAL PSK

11200.0000 - 11450.0000 MHz 36M0G7D QPSK OR OCTAL PSK

10950.0000 - 11200.0000 MHz 36M0G7D QPSK OR OCTAL PSK

10950.0000 - 11200.0000 MHz 36M0G7D QPSK OR OCTAL PSK

SITE ID: Remotes3
LOCATION: QEST CONUS,+ TERR, INTERNATIONAL WATERS

ANTENNA ID:	QEST	0.63 meters	QEST	Q050000
	14050.0000 - 14470.0000 MHz	4M09G7D	41.90 dBW	QPSK OR OCTAL PSK
	14050.0000 - 14470.0000 MHz	2M04G7D	41.90 dBW	QPSK OR OCTAL PSK
	14050.0000 - 14470.0000 MHz	1M02G7D	41.90 dBW	QPSK OR OCTAL PSK
	12200.0000 - 12500.0000 MHz	36M0G7D		QPSK OR OCTAL PSK
	11700.0000 - 12200.0000 MHz	36M0G7D		QPSK OR OCTAL PSK
	11450.0000 - 11700.0000 MHz	36M0G7D		QPSK OR OCTAL PSK
	11200.0000 - 11450.0000 MHz	36M0G7D		QPSK OR OCTAL PSK
	10950.0000 - 11200.0000 MHz	36M0G7D		QPSK OR OCTAL PSK

Points of Communication:

Remotes1 - AMC 9 (S2434) - (83 W.L.)
Remotes1 - HORIZONS 1 - (127 WL)
Remotes1 - SES-1 - (101.0 W.L.)
Remotes2 - AMC 2 - (84.85)
Remotes2 - AMC 9 (S2434) - (83 W.L.)
Remotes2 - AMC-1(S2445) - (129.15)
Remotes2 - AMC-3 - (72 W.L.)
Remotes2 - E117 WA (S2873) - (116.8 W.L.)
Remotes2 - ESTRELA DO SUL 2 - (63 W.L.)
Remotes2 - EUTELSAT115WA(S2589) - (114.9 W.L.)
Remotes2 - EUTELSAT115WB(S2938) - (114.9 W.L.)
Remotes2 - HORIZONS 1 - (127 WL)
Remotes2 - INTELSAT 19 (S2850) - (166.0 E.L.)
Remotes2 - INTELSAT 29e (S2913) - (50.0 W.L.)
Remotes2 - SES-1 - (101.0 W.L.)
Remotes2 - SES-10 (S2950) - (66.9 W.L.)
Remotes2 - SES-6 (S2870) - (40.5 W.L.)

3700.0000 - 4200.0000 MHz

36M0G7W

Digital Data Carrier

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20171009-01120 E E170188 Comcast of Colorado/Florida/Michigan/New Mexico/Pennsylvania/Washington, L
Registration 08/03/2017 - 08/03/2032
Grant of Authority Date Effective: 11/27/2017

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 5205 Fruitville Rd, Sarasota, Sarasota, FL

27 ° 20 ' 19.50 " N LAT.

82 ° 27 ' 56.20 " W LONG.

ANTENNA ID: 10M.

10 meters

SCIENTIFIC-ATLANTA, INC.

8002-SHORT MOUNT

3700.0000 - 4200.0000 MHz

36M0G7W

Digital Data Carrier

Points of Communication:

1 - PERMITTED LIST - ()

SES-STA-20171016-01172 E KA258 Intelsat License LLC
Special Temporary Authority
Grant of Authority Date Effective: 11/28/2017

Class of Station:

On November 28, 2017, Intelsat License LLC was granted special temporary authority for 180 days, beginning November 28, 2017, to operate its fixed earth station in Hagerstown, MD to provide telemetry, tracking and command (TT&C) services to the Intelsat 16 (S2750) satellite at the 76.2° W.L. orbital location on the following center frequencies: 13.9975 GHz and 14.4995 GHz (Earth-to-space), and 12.19825 GHz and 12.19875 GHz (space-to-Earth).

Points of Communication:

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