



PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION
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DA No. 18-1235

Friday December 7, 2018

Report No. SAT-01363

Satellite Policy Branch Information Actions Taken

The Commission, by its International Bureau, took the following actions pursuant to delegated authority. The effective date of these actions is the release date of this Notice, except where an effective date is specified.

SAT-AMD-20180102-00001 E S2946 Spire Global, Inc.
Amendment
Granted in Part/ Deferred in Part Effective Date: 11/29/2018

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

See IBFS File No. SAT-LOA-20151123-00078 for a description of the action taken.

SAT-LOA-20151123-00078 E S2946 Spire Global, Inc.
Launch and Operating Authority
Granted in Part/ Deferred in Part Effective Date: 11/29/2018

Nature of Service: Earth Exploration Satellite Service, Other

On November 29, 2018, the Satellite Division granted in part and deferred in part, with conditions, the application, as amended, of Spire Global, Inc. Specifically, Spire was authorized to construct, deploy, and operate up to 872 LEMUR Phase II satellites, initially deployed to altitudes from 385 to 650 km with inclinations ranging from equatorial to polar sun-synchronous (98 degrees). The satellites will operate data downlinks (space-to-Earth) in the 8025-8400 MHz (primary), 2020-2025 MHz, and 2200-2290 MHz frequency bands, and operate data uplinks (Earth-to-space) in the 2025-2110 MHz frequency band. Spire will also operate data links in the 402-403 MHz frequency band (Earth-to-space and space-to-Earth (data back up only)). Spire will conduct telemetry, tracking and command operations for satellites in the 401-402 MHz (space-to-Earth), 402-403 MHz (Earth-to-space), 449.75-450.25 MHz (Earth-to-space), and 2025-2110 MHz (Earth-to-space) frequency bands. The satellites will receive Automatic Identification System (AIS) signals the 156.7625-156.7875 MHz (AIS 3), 156.8125-156.8375 MHz (AIS 4), 161.9625-161.9875 MHz (AIS 1), and 162.0125-162.0375 MHz (AIS 2) frequency bands; Application Specific Messages (ASM) signals in the 161.9375-161.9625 MHz (ASM 1) and 161.9875-162.0125 MHz (ASM 2) frequency bands; Automatic Dependent Surveillance-Broadcast (ADS-B) signals in the 1087.7-1092.3 MHz frequency band; and Atmospheric and Land Surface Profiling in the 1164-1300 MHz and 1559-1610 MHz bands. Spire was also authorized for its satellites to receive GPS signals with center frequencies of 1575.42 MHz and 1227.60 MHz and to receive Galileo signals in the 1559-1591 MHz frequency band (Galileo E1) and 1164-1219 MHz frequency band (Galileo E5). Action was deferred on the remainder of Spire's requests.

SAT-LOA-20171027-00145 E S3022 Intelsat License LLC

Launch and Operating Authority

Grant of Authority

Effective Date: 12/04/2018

Nature of Service: Fixed Satellite Service

On December 4, 2018, the Satellite Division granted Intelsat License LLC's request for authority to construct, deploy, and operate a new space station, to be known as Intelsat 15R, at the 85.0° E.L. orbital location. Intelsat 15R will provide Fixed-Satellite Service using the 10.95-11.2 GHz (space-to-Earth), 11.45-11.7 GHz (space-to-Earth), 11.7-12.2 GHz (space-to-Earth), 12.5-12.75 GHz (space-to-Earth), 17.8-20.2 GHz (space-to-Earth), 13.75-14.5 GHz (Earth-to-space), 17.3-17.8 GHz (Earth-to-space), and 27.5-30.0 GHz (Earth-to-space) frequency bands. Intelsat 15R will conduct telemetry, tracking, and command operations using the following center frequencies: 11090 MHz and 11092 MHz (space-to-Earth); 14002 MHz and 14004.5 MHz (Earth-to-space).

SAT-MOD-20181016-00078 E S2811 EchoStar Satellite Operating Corporation

Modification

Grant of Authority

12/04/2018 - 08/06/2020

Effective Date: 12/04/2018

Nature of Service: Direct Broadcast Satellite Service, Other

On December 4, 2018, the Satellite Division granted, with conditions, the request of EchoStar Satellite Operating Corporation to modify its authorization for the EchoStar 15 satellite at the 61.65° W.L. orbital location. Specifically, EchoStar was authorized to provide direct broadcast satellite service on channels 3 through 32 via EchoStar 15 using the 12.2-12.7 GHz (space-to-Earth) and 17.3-17.8 GHz (Earth-to-space) frequency bands.

SAT-STA-20181119-00084 E AMSC-1 Ligado Networks Subsidiary LLC

Special Temporary Authority

Withdrawn

Effective Date: 12/03/2018

For more information concerning this Notice, contact the Satellite Division at 202-418-0719; TTY 1-888-835-5322.