
14000.0000 - 14500.0000 MHz	36M0G2W	85.65 dBW	
14000.0000 - 14500.0000 MHz	36M0G3W	85.65 dBW	
14000.0000 - 14500.0000 MHz	36M0G7W	85.65 dBW	
14000.0000 - 14500.0000 MHz	36M0G8W	85.65 dBW	
14000.0000 - 14500.0000 MHz	36M0G9W	85.65 dBW	
14000.0000 - 14500.0000 MHz	36M0GXW	85.65 dBW	
5925.0000 - 6425.0000 MHz	2M50G7W	78.75 dBW	Digital Video Carrier
5925.0000 - 6425.0000 MHz	36M0G7W	78.75 dBW	Digital Video Carrier
3700.0000 - 4200.0000 MHz	2M50G7W		Digital Video Carrier
3700.0000 - 4200.0000 MHz	36M0G7W		Digital Video Carrier

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20181217-03532 E E160033 Spire Global, Inc. 06/22/2016 - 06/22/2031
Application for Modification Date Effective: 08/20/2019
Grant of Authority

Class of Station: Fixed Earth Stations

Nature of Service: Earth Exploration Satellite Service, Other

SITE ID: WBUGS
LOCATION: 1825 33RD STREET, BOULDER, BOULDER, CO
40 ° 1 ' 6.70 " N LAT. 105 ° 15 ' 4.10 " W LONG.

ANTENNA ID: UHF-1	1.85 meters	INNOV	405-18-R
402.0000 - 403.0000 MHz	15K0F1D	0.00 dBW	DIGITAL/DATA DOWNLINK AND TT&C DOWNLINK
402.0000 - 403.0000 MHz	15K0F1D	29.95 dBW	DIGITAL/TT&C UPLINK
ANTENNA ID: SBAND-1	1.8 meters	ELITE	999001
2020.0000 - 2025.0000 MHz	250KG1D	0.00 dBW	DIGITAL/DATA DOWNLINK

Points of Communication:

WBUGS - LEMUR NGSO (S2946) - (NGSO)

SES-REG-20180829-04127 E E190434 Desert Broadcasters LLC
Registration 08/29/2018 - 08/29/2033
Grant of Authority Date Effective: 08/22/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: SITE 1
LOCATION: 68-700 Dinah Shore Dr., Riverside, Cathedral City, CA
33 ° 48 ' 6.50 " N LAT. 116 ° 27 ' 46.10 " W LONG.

ANTENNA ID: ANT 1 3 meters SAMI S110
3700.0000 - 4200.0000 MHz 36M0G7W Digital video and audio

Points of Communication:

SITE 1 - PERMITTED LIST - ()

SES-REG-20180829-04128 E E190435 MacDonald Garber Broadcasting, Inc.
Registration 08/29/2018 - 08/29/2033
Grant of Authority Date Effective: 08/22/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 7825 Mackinaw Trail (WATT Studio), Wexford, Cadillac, MI
44 ° 13 ' 27.00 " N LAT. 85 ° 24 ' 5.60 " W LONG.

ANTENNA ID: ANT1 3.8 meters Comtech 3.8 meter
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Audio

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180829-04131 E E190438 MacDonald Garber Broadcasting, Inc.
Registration 08/29/2018 - 08/29/2033
Grant of Authority Date Effective: 08/22/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 2095 US131 S (WLXT Studio), Emmet, Petoskey, MI
45 ° 20 ' 49.00 " N LAT.

ANTENNA ID: ANT1 3.8 meters DH 3.8

3700.0000 - 4200.0000 MHz	45K0G7W			Phase modulated video, and data services.
3700.0000 - 4200.0000 MHz	36M0G7W			Phase modulated video, and data services.
3700.0000 - 4200.0000 MHz	45K0D7W			Phase and amplitude modulated video, and data services.
3700.0000 - 4200.0000 MHz	36M0D7W			Phase and amplitude modulated video, and data services.
ANTENNA ID: 1263	4.5 meters	Scientific-Atlanta		8345
3700.0000 - 4200.0000 MHz	45K0G7W			Phase modulated video, and data services.
3700.0000 - 4200.0000 MHz	36M0G7W			Phase modulated video, and data services.
3700.0000 - 4200.0000 MHz	45K0D7W			Phase and amplitude modulated video, and data services.
3700.0000 - 4200.0000 MHz	36M0D7W			Phase and amplitude modulated video, and data services.
ANTENNA ID: 1266	4.5 meters	Scientific-Atlanta		8345
3700.0000 - 4200.0000 MHz	45K0G7W			Phase modulated video, and data services,
3700.0000 - 4200.0000 MHz	36M0G7W			Phase modulated video, and data services.
3700.0000 - 4200.0000 MHz	45K0D7W			Phase and amplitude modulated video, and data services.
3700.0000 - 4200.0000 MHz	36M0D7W			Phase and amplitude modulated video, and data services.

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181212-03766	E E190075	CoxCom, LLC	07/24/2018 - 07/24/2033
Registration			Date Effective: 08/22/2019
Grant of Authority			

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 4902 S 48th St, Washington, Springdale, AR

36 ° 8 ' 27.00 " N LAT.

94 ° 10 ' 34.90 " W LONG.

ANTENNA ID: 5M. 5 meters DAWNco DH 5 meter
3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181212-03810 E E190111 CoxCom, LLC
Registration 07/24/2018 - 07/24/2033
Grant of Authority Date Effective: 08/22/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 2312 NW 10th Street, Oklahoma, Oklahoma City, OK
35 ° 28 ' 38.90 " N LAT. 97 ° 33 ' 10.60 " W LONG.

ANTENNA ID: 6M. 6 meters Scientific Atlanta 6 meter
3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181212-03937 E E190241 CoxCom, LLC
Registration 07/24/2018 - 07/24/2033
Grant of Authority Date Effective: 08/22/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 2312 NW 10th Street, Oklahoma, Oklahoma City, OK
35 ° 28 ' 40.00 " N LAT. 97 ° 33 ' 9.80 " W LONG.

ANTENNA ID: 2.8M. 2.8 meters Scientific Atlanta 2.8 meter
3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181212-04177 E E190494 CoxCom, LLC
Registration 07/24/2018 - 07/24/2033
Grant of Authority Date Effective: 08/22/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 6650 East 44th Street, Tulsa, Tulsa, OK
36 ° 5 ' 57.00 " N LAT. 95 ° 54 ' 4.30 " W LONG.

ANTENNA ID: 4.5M. 4.5 meters Patriot 4.5 meter
3700.0000 - 4200.0000 MHz 36M0G7W DIGITAL VIDEO CARRIER

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181212-04178 E E190495 CoxCom, LLC
Registration 07/24/2018 - 07/24/2033
Grant of Authority Date Effective: 08/22/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 6650 East 44th Street, Tulsa, Tulsa, OK
36 ° 5 ' 57.00 " N LAT. 95 ° 54 ' 5.00 " W LONG.

ANTENNA ID: 4.5M. 4.5 meters SCIENTIFIC-ATLANTA, INC 4.5 meter
3700.0000 - 4200.0000 MHz 36M0G7W DIGITAL VIDEO CARRIER

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20190814-01048 E E940448 Vyvx, LLC
Renewal 10/07/2019 - 10/07/2034
Grant of Authority Date Effective: 08/23/2019

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: 20021 SANTA ROSA MINE ROAD, RIVERSIDE, STEELE VALLEY PERRIS, CA
33 ° 45 ' 28.70 " N LAT. 117 ° 18 ' 55.10 " W LONG.

ANTENNA ID: 1 3.5 meters VERTEX 3.5KPK
14000.0000 - 14500.0000 MHz 36M0F8W 75.60 dBW
14000.0000 - 14500.0000 MHz 36M0G7F 75.60 dBW
11700.0000 - 12200.0000 MHz 36M0F8W

11700.0000 - 12200.0000 MHz 36M0G7F

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20190814-01050 E E940361 Vyvx, LLC

Renewal

09/23/2019 - 09/23/2034

Grant of Authority

Date Effective: 08/23/2019

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1

LOCATION: 9174 South Jamaica Street, ARAPAHOE, ENGLEWOOD, CO

39 ° 33 ' 1.00 " N LAT.

104 ° 51 ' 53.00 " W LONG.

ANTENNA ID: 1 4.5 meters ANDREW CORP. ESA45-4

5925.0000 - 6425.0000 MHz 25M0F8W 72.70 dBW

5925.0000 - 6425.0000 MHz 36M0G1D 72.70 dBW

3700.0000 - 4200.0000 MHz 25M0F8W

3700.0000 - 4200.0000 MHz 36M0G1D

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20190814-01053 E E940446 KATV Licensee, LLC

Renewal

10/14/2019 - 10/14/2034

Grant of Authority

Date Effective: 08/22/2019

Class of Station: Temporary Fixed Earth Station

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1

LOCATION: 401 MAIN STREET LITTLE ROCK , PULASKI AR 72201, VARIOUS

ANTENNA ID: 1 2.4 meters VERTEX COMM. 2.4DMK

14050.0000 - 14400.0000 MHz 25M0F3F 73.27 dBW

14050.0000 - 14400.0000 MHz 36M0F3F 73.27 dBW

14000.0000 - 14500.0000 MHz 15M0G7W 68.60 dBW

DIGITAL MCPC QPSK CARRIER
USED FOR VIDEO, AUDIO, AND
DATA

11700.0000 - 12200.0000 MHz

15M0G7W

DIGITAL MCPC QPSK CARRIER
USED FOR VIDEO, AUDIO, AND
DATA

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20190815-01051 E E7643 NBC Telemundo License LLC

Renewal

09/14/2019 - 09/14/2034

Grant of Authority

Date Effective: 08/23/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 1065 RUSSELL CAVE ROAD (WLEX), FAYETTE, LEXINGTON, KY
38 ° 3 ' 56.00 " N LAT. 84 ° 29 ' 13.00 " W LONG.

ANTENNA ID: 1 6.1 meters HARRIS 5346

14000.0000 - 14500.0000 MHz 112KG1D 57.00 dBW PSK PRIVATE DATA

14000.0000 - 14500.0000 MHz 36M0F8F 78.00 dBW ANALOG VIDEO W/ASSOC AUDIO
SUBCARRIERS

14000.0000 - 14500.0000 MHz 4M00G7F 70.00 dBW PSK DIGITAL VIDEO WITH ASSOC.
DIGITAL AUDIO AND DATA

14000.0000 - 14500.0000 MHz 36M0G7W 78.00 dBW NULL

11700.0000 - 12200.0000 MHz 36M0F8F ANALOG VIDEO W/ASSOC AUDIO
SUBCARRIERS

11700.0000 - 12200.0000 MHz 256KG1D PSK PRIVATE DATA

11700.0000 - 12200.0000 MHz 4M00G7F PSK DIGITAL VIDEO WITH ASSOC.
DIGITAL AUDIO AND DATA

11700.0000 - 12200.0000 MHz 36M0G7W NULL

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20190821-01075 E E7671 NBC Telemundo License LLC

Renewal

09/28/2019 - 09/28/2034

Grant of Authority

Date Effective: 08/23/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 4145 EVERGREEN ROAD, ALLEGHENY, PITTSBURGH, PA
40 ° 29 ' 45.20 " N LAT. 80 ° 0 ' 35.40 " W LONG.

ANTENNA ID: 1 5.6 meters ANDREW ES56-1
14000.0000 - 14500.0000 MHz 36M0G7W 78.00 dBW PSK, COMPRESSED VIDEO AND DATA
11700.0000 - 12200.0000 MHz 36M0G7W PSK, COMPRESSED VIDEO AND DATA

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20190821-01080 E E7672 NBC Telemundo License LLC
Renewal 09/28/2019 - 09/28/2034
Grant of Authority Date Effective: 08/23/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 558 BURR AVENUE, JEFFERSON, STEUBENVILLE, OH
40 ° 20 ' 31.00 " N LAT. 80 ° 37 ' 9.00 " W LONG.

ANTENNA ID: 1 6.1 meters HARRIS 5346
14000.0000 - 14500.0000 MHz 36M0G7W 78.60 dBW DIGITAL COMPRESSED VIDEO
11700.0000 - 12200.0000 MHz 36M0G7W DIGITAL COMPRESSED VIDEO

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20190821-01081 E E7670 NBC Telemundo License LLC
Renewal 09/28/2019 - 09/28/2034
Grant of Authority Date Effective: 08/23/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 246 SOUTH LAKE AVENUE (KBJR), ST. LOUIS, DULUTH, MN
46 ° 47 ' 4.51 " N LAT. 92 ° 5 ' 46.01 " W LONG.

ANTENNA ID: 1 6.1 meters HARRIS 5346
14000.0000 - 14500.0000 MHz 36M0G7W 78.60 dBW DIGITAL COMPRESSED VIDEO

11700.0000 - 12200.0000 MHz

36M0G7W

DIGITAL COMPRESSED VIDEO

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20190821-01082 E E7727 NBC Telemundo License LLC

Renewal

09/28/2019 - 09/28/2034

Grant of Authority

Date Effective: 08/23/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 6835 N.W. U.S. HIGHWAY 24, SHAWNEE, TOPEKA, KS

39 ° 5 ' 33.00 " N LAT.

95 ° 47 ' 8.00 " W LONG.

ANTENNA ID: 1 6.1 meters HARRIS 5346

14000.0000 - 14500.0000 MHz 112KG1D 57.00 dBW PSK PRIVATE DATA

14000.0000 - 14500.0000 MHz 36M0F8F 78.00 dBW ANALOG VIDEO W/ASSOC AUDIO SUBCARRIERS

14000.0000 - 14500.0000 MHz 4M00G7F 70.00 dBW PSK DIGITAL VIDEO WITH ASSOC. DIGITAL AUDIO AND DATA

14000.0000 - 14500.0000 MHz 36M0G7W 78.00 dBW PSK DIGITAL VIDEO WITH ASSOC. DIGITAL AUDIO AND DATA

11700.0000 - 12200.0000 MHz 36M0F8F ANALOG VIDEO W/ASSOC AUDIO SUBCARRIERS

11700.0000 - 12200.0000 MHz 256KG1D PSK PRIVATE DATA

11700.0000 - 12200.0000 MHz 4M00G7F PSK DIGITAL VIDEO WITH ASSOC. DIGITAL AUDIO AND DATA

11700.0000 - 12200.0000 MHz 36M0G7W PSK DIGITAL VIDEO WITH ASSOC. DIGITAL AUDIO AND DATA

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20190821-01083 E E7542 NBC Telemundo License LLC

Renewal

09/28/2019 - 09/28/2034

Grant of Authority

Date Effective: 08/23/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 550 WEST LAFAYETTE BOULEVARD, WAYNE, DETROIT, MI
42 ° 19 ' 48.00 " N LAT. 83 ° 3 ' 18.00 " W LONG.

ANTENNA ID:	1	6.1 meters	HARRIS	5346
14000.0000 - 14500.0000 MHz		112KG1D	57.10 dBW	PSK PRIVATE DATA
14000.0000 - 14500.0000 MHz		36M0F8F	78.00 dBW	ANALOG VIDEO W/ASSOC AUDIO SUBCARRIERS
14000.0000 - 14500.0000 MHz		4M00G7F	70.00 dBW	PSK DIGITAL VIDEO WITH ASSOC. DIGITAL AUDIO AND DATA
14000.0000 - 14500.0000 MHz		36M0G7W	78.00 dBW	PSK DIGITAL VIDEO WITH ASSOC. DIGITAL AUDIO AND DATA
11700.0000 - 12200.0000 MHz		256KG1D		PSK PRIVATE DATA
11700.0000 - 12200.0000 MHz		36M0F8F		ANALOG VIDEO W/ASSOC AUDIO SUBCARRIERS
11700.0000 - 12200.0000 MHz		4M00G7F		PSK DIGITAL VIDEO WITH ASSOC. DIGITAL AUDIO AND DATA
11700.0000 - 12200.0000 MHz		36M0G7W		PSK DIGITAL VIDEO WITH ASSOC. DIGITAL AUDIO AND DATA

Points of Communication:

1 - PERMITTED LIST - ()

SES-STA-20190812-01044 E GCI Communication Corp.
Special Temporary Authority
Grant of Authority Date Effective: 08/21/2019

Class of Station:

On August 21, 2019, GCI Communication Corp. was granted special temporary authority for 60 days, beginning August 21, 2019, to operate a 3.6-meter antenna fixed earth station in Kotzebue, AK with the Galaxy 18 (S2733) satellite at the 123° W.L. orbital location and the ANIK F3 (S2703) satellite at the 118.8° W.L. orbital location in the 3700-4200 MHz (space-to Earth) and 5925-6425 MHz (Earth-to-space) frequency bands. This station is an existing station currently operated by the Federal Aviation Administration under call sign E960346. GCI will be filing a request for regular authority for this service.

Points of Communication:

SES-STA-20190812-01045 E GCI Communication Corp.
Special Temporary Authority
Grant of Authority Date Effective: 08/21/2019

Class of Station:

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