



PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION
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Report No. SES-02242

Wednesday February 19, 2020

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.

SES-MOD-20191021-01351 E E181423 Haras Development

Application for Modification

Class of Station: Fixed Earth Stations

Nature of Service: Earth Exploration Satellite Service

Haras Development requests modification of its fixed earth station in Dublin, OH to add new antennas, frequencies, and emission designators, to communicate with the Skysat satellites in the 8075 MHz, 8200 MHz, 8325 MHz, 8375 MHz, and 8380 MHz (space-to-Earth), and 2081 MHz and 2083 MHz (Earth-to-space) frequency bands, and with the Planet Labs (S2912) satellites in the 401.3 MHz, 8087.5 MHz, 8212.5 MHz, and 8337.5MHz (space-to-Earth), and 450.0 MHz, 2057.31 MHz, 2054.69 MHz, and 2056.0 MHz (Earth-to-space) frequency bands.

SITE ID: 1

LOCATION: 6665 Crosby Court, Franklin, Dublin, OH

40 ° 6 ' 2.68 " N LAT.

83 ° 11 ' 51.22 " W LONG.

| ANTENNA ID: | 5.4 | 5.4 meters | Viasat | 5.4 meter |
|-------------|---------------------------|------------|---------|-----------------------|
| | 8212.5000 - 8212.5000 MHz | | 370MG7D | Digital Data Carrier |
| | 8212.5000 - 8212.5000 MHz | | 120KG1D | Digital Data Carrier |
| | 8212.5000 - 8212.5000 MHz | | 59K7G1D | Digital Data Carrier |
| | 8212.5000 - 8212.5000 MHz | | 5M80G7D | Digital Data Carrier |
| | 8212.5000 - 8212.5000 MHz | | 375MG7D | Digital Data Carrier |
| | 8212.5000 - 8212.5000 MHz | | 200MF1D | Digital Data Carrier |
| | 2056.0000 - 2056.0000 MHz | | 1M31G1D | 50.00 dBW TT&C PSK |

| | | | |
|---------------------------|----------|--------------------|-----------------|
| 2054.6900 - 2054.6900 MHz | 1M31G1D | 50.00 dBW | TT&C PSK |
| 2056.6500 - 2057.9700 MHz | 1M31G1D | 50.00 dBW | TT&C PSK |
| 8087.5000 - 8087.5000 MHz | 94M5G1D | | DVB-S2 PSK |
| 8212.5000 - 8212.5000 MHz | 375MG1D | | DVB-S2-PSK |
| 8212.5000 - 8212.5000 MHz | 94M5G1D | | DVB-S2 PSK |
| 2083.0000 - 2083.0000 MHz | 110KG1D | 50.00 dBW | TT&C PSK |
| 2081.0000 - 2081.0000 MHz | 110KG1D | 50.00 dBW | TT&C PSK |
| 8375.0000 - 8375.0000 MHz | 256KG1D | | TT&C PSK |
| 8380.0000 - 8380.0000 MHz | 256KG1D | | TT&C PSK |
| 8075.0000 - 8075.0000 MHz | 60M0G1D | | DVB-S2 PSK |
| 8325.0000 - 8325.0000 MHz | 60M0G1D | | DVB-S2 PSK |
| 2071.8750 - 2071.8750 MHz | 200KG1D | 50.00 dBW | GMSK, TT&C |
| 2052.0000 - 2052.0000 MHz | 1M32G1D | 59.20 dBW | BPSK, TT&C |
| 2085.7000 - 2085.7000 MHz | 1M32G1D | 59.20 dBW | BPSK,TT&C |
| 2057.3100 - 2057.3100 MHz | 1M31G1D | 50.00 dBW | TT&C PSK |
| 2092.6000 - 2092.6000 MHz | 1M32G1D | 59.20 dBW | BPSK, TT&C |
| 8337.5000 - 8337.5000 MHz | 94M5G1D | | DVB-S2-PSK |
| 8200.0000 - 8200.0000 MHz | 60M0G1D | | DVB-S2 PSK |
| ANTENNA ID: UHF | 3 meters | M2 Antenna Systems | 450CP34/400CP30 |
| 450.2000 - 450.2000 MHz | 30K0F1D | 28.50 dBW | GMSK, TT&C |
| 402.0000 - 403.0000 MHz | 15K0F1D | | Telemetry |
| 402.0000 - 403.0000 MHz | 15K0F1D | 28.50 dBW | BPSK, TT&C |
| 401.0000 - 402.0000 MHz | 30K0F1D | | GMSK, Telemetry |
| 401.3000 - 401.3000 MHz | 60K0G1D | | TT&C PSK |
| 450.0000 - 450.0000 MHz | 60K0G1D | 28.50 dBW | TT&C PSK |

Points of Communication:

- 1 - Global 1-4 (S3032) - (NGSO)
- 1 - Planet Labs (S2912) - (NGSO)
- 1 - SKYSAT - (NGSO)
- 1 - WORLDVIEW-1(S2129) - (NGSO)
- 1 - WORLDVIEW-2(S2129) - (NGSO)
- 1 - WORLDVIEW-3 (S2129) - (NGSO)

SES-MOD-20191121-01544 E E181611 Maris Developments

Application for Modification

Class of Station: Fixed Earth Stations

Nature of Service: Earth Exploration Satellite Service

Maris Developments requests modification of its fixed earth station in Boardman, OR to add new antennas, frequencies, and emission designators, to communicate with the Global 1-4 satellites in the 401.375 MHz, 401.5 MHz, and 8025-8400 MHz (space-to-Earth), and 450.2 MHz and 2071.875 MHz (Earth-to-space) frequency bands, and with the Skysat satellites in the 8075 MHz, 8200 MHz, 8325 MHz, 8375 MHz, and 8380 MHz (space-to-Earth), and 2081 MHz and 2083 MHz (Earth-to-space) frequency bands, and the Planet Labs (S2912) satellites in the 401.3 MHz, 8087.5 MHz, 8212.5 MHz, and 8337.5MHz (space-to-Earth), and 450.0 MHz, 2057.31 MHz, 2054.69 MHz, and 2056.0 MHz (Earth-to-space) frequency bands.

SITE ID: 2

LOCATION: 73579 Lewis and Clark Drive, Morrow, Boardman, OR
45 ° 51 ' 16.96 " N LAT.

119 ° 37 ' 53.08 " W LONG.

| ANTENNA ID: | 5.4 | 5.4 meters | Viasat | 5.4 meter |
|-------------|---------------------------|------------|---------|----------------------------------|
| | 8212.5000 - 8212.5000 MHz | | 59K7G1D | Digital Data Carrier |
| | 8212.5000 - 8212.5000 MHz | | 120KG1D | Digital Data Carrier |
| | 8212.5000 - 8212.5000 MHz | | 5M80G7D | Digital Data Carrier |
| | 8212.5000 - 8212.5000 MHz | | 200MF1D | Digital Data Carrier |
| | 8212.5000 - 8212.5000 MHz | | 375MG7D | Digital Data Carrier |
| | 8212.5000 - 8212.5000 MHz | | 370MG7D | Digital Data Carrier |
| | 2092.6000 - 2092.6000 MHz | | 1M32G1D | 59.20 dBW BPSK, TT&C |
| | 2092.6000 - 2092.6000 MHz | | 1M32G1D | 59.20 dBW BPSK, TT&C |
| | 2092.6000 - 2092.6000 MHz | | N0N | 49.00 dBW Unmodulated Carrier |
| | 2085.6875 - 2086.6875 MHz | | 1M32G1D | 59.20 dBW BPSK, TT&C |
| | 2052.0000 - 2052.0000 MHz | | 1M32G1D | 59.20 dBW BPSK, TT&C |
| | 2052.0000 - 2052.0000 MHz | | 200KF1D | 50.90 dBW GMSK, TT&C |

| | | | |
|---------------------------|----------|------------------|---------------------------|
| 2052.0000 - 2052.0000 MHz | N0N | 49.00 dBW | Unmodulated Carrier |
| 2081.0000 - 2081.0000 MHz | 110KG1D | 50.00 dBW | TT&C PSK |
| 2083.0000 - 2083.0000 MHz | 110KG1D | 50.00 dBW | TT&C PSK |
| 8375.0000 - 8375.0000 MHz | 256KG1D | | TT&C PSK |
| 8380.0000 - 8380.0000 MHz | 256KG1D | | TT&C PSK |
| 8075.0000 - 8075.0000 MHz | 60M0G1D | | DVB-S5 PSK |
| 8200.0000 - 8200.0000 MHz | 60M0G1D | | DVB-S5 PSK |
| 8325.0000 - 8325.0000 MHz | 60M0G1D | | DVB-S5 PSK |
| 2071.8750 - 2071.8750 MHz | 200KG1D | 51.40 dBW | GMSK, TT&C |
| 2071.8750 - 2170.8750 MHz | 200KG1D | 53.00 dBW | GMSK, TT&C |
| 8025.0000 - 8400.0000 MHz | 200MF1D | 0.00 dBW | OQPSK |
| 2056.0000 - 2056.0000 MHz | 1M31G1D | 50.00 dBW | TT&C PSK |
| 2054.6900 - 2054.6900 MHz | 1M31G1D | 50.00 dBW | TT&C PSK |
| 2057.3100 - 2057.3100 MHz | 1M31G1D | 50.00 dBW | TT&C PSK |
| 8337.5000 - 8337.5000 MHz | 94M5G1D | | DVB-S2 PSK |
| 8212.5000 - 8212.5000 MHz | 375MG1D | | DVB-S2 PSK |
| 8212.5000 - 8212.5000 MHz | 94M5G1D | | DVB-S2 PSK |
| 8087.5000 - 8087.5000 MHz | 94M5G1D | | DVB-S2 PSK |
| ANTENNA ID: UHF | 3 meters | M2ANTENNASYSTEMS | 450CP34/400CP30 |
| 401.3000 - 401.3000 MHz | 60K0G1D | | TT&C PSK |
| 401.3750 - 401.3750 MHz | 30K0F1D | | GMSK TT&C DOWNLINK |
| 450.2000 - 450.2000 MHz | 30K0F1D | 21.50 dBW | GMSK SECONDAR TT&C UPLINK |
| 450.0000 - 450.0000 MHz | 60K0G1D | 28.50 dBW | TT&C PSK |
| 401.5000 - 401.5000 MHz | 30K0F1D | | |

Points of Communication:

2 - Global 1-4 (S3032) - (NGSO)

2 - OTHER -

2 - Planet Labs (S2912) - (NGSO)

2 - SKYSAT - (NGSO)

2 - WORLDVIEW-1(S2129) - (NGSO)

2 - WORLDVIEW-2(S2129) - (NGSO)

2 - WORLDVIEW-3 (S2129) - (NGSO)

SES-REG-20181001-04641 E E191007 Microsoft Corp

Registration

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Microsoft Corp

LOCATION: 4400 148th Ave NE Building 127, King, Redmond, WA

47 ° 38 ' 21.50 " N LAT.

122 ° 7 ' 42.10 " W LONG.

ANTENNA ID: MSSTUDIOS 3 meters CHANNEL MASTER 6346

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW

Points of Communication:

Microsoft Corp - PERMITTED LIST - ()

SES-REG-20181002-04697 E E191063 Riverfront Broadcasting LLC

Registration

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Riverfront Yankton

LOCATION: 202 W 2nd St, Yankton, Yankton, SD

42 ° 52 ' 8.28 " N LAT.

97 ° 23 ' 39.77 " W LONG.

ANTENNA ID: DISH1 3.8 meters DH Products 38DH1

3700.0000 - 4200.0000 MHz 36M0G7W Digital

Points of Communication:

Riverfront Yankton - PERMITTED LIST - ()

SES-REG-20181004-04821 E E191192 Broadco of Texas, Inc.

Registration

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 1421 Great Plains Boulevard, Suite C (KMGZ Studio), Commanche, Lawton, OK
34 ° 37 ' 25.20 " N LAT. 98 ° 28 ' 6.20 " W LONG.

ANTENNA ID: SA 9000 2.8 meters Scientific Atlanta SA 9000 2.8 meter
3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Modulation and Services Analog Audio

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181005-04858 E E191229 CAJUN BROADCASTING INC

Registration

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Site A
LOCATION: 10586 LA Hwy. 1, Avoyelles, Moreauville, LA
31 ° 2 ' 43.80 " N LAT. 91 ° 59 ' 1.32 " W LONG.

ANTENNA ID: 1 3.7 meters Prodelin 1374
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital audio and data

ANTENNA ID: 2 3.7 meters Prodelin 1374
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital audio and data

Points of Communication:

Site A - PERMITTED LIST - ()

SES-REG-20181009-05031 E E191409 KAZT, L.L.C.

Registration

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 3211 Tower Road (KAZT Prescott), Yavapai, Prescott, AZ
34 ° 36 ' 14.50 " N LAT. 112 ° 27 ' 33.20 " W LONG.

ANTENNA ID: 2-4 4.5 meters Superior Satellite Navigator 45-111RSVY
3700.0000 - 4200.0000 MHz 36M0G7D Video

ANTENNA ID: 1 6.1 meters Vertex 6.1 KXC
3700.0000 - 4200.0000 MHz 36M0G7D 0.00 dBW Video

ANTENNA ID: 6-8 3.8 meters Patriot Prime Focus

| | | | |
|---------------------------|---------|----------|-------|
| 3700.0000 - 4200.0000 MHz | 36M0G7D | 0.00 dBW | Video |
|---------------------------|---------|----------|-------|

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181009-05035 E E191413 LaHarpe Communications, Inc

Registration

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 702 Jefferson, Allen, LaHarpe, KS

37 ° 54 ' 51.85 " N LAT.

95 ° 17 ' 54.60 " W LONG.

| | | | | |
|-------------|---|------------|---------|---------|
| ANTENNA ID: | 1 | 3.8 meters | unknown | unknown |
|-------------|---|------------|---------|---------|

| | | |
|---------------------------|---------|--------------|
| 3700.0000 - 4200.0000 MHz | 36M0G7W | analog video |
|---------------------------|---------|--------------|

| | | |
|---------------------------|---------|--------------|
| 3700.0000 - 4200.0000 MHz | 36M0G7W | analog video |
|---------------------------|---------|--------------|

| | | |
|---------------------------|---------|--------------|
| 3700.0000 - 4200.0000 MHz | 36M0G7W | analog video |
|---------------------------|---------|--------------|

| | | |
|---------------------------|---------|--------------|
| 3700.0000 - 4200.0000 MHz | 36M0G7W | analog video |
|---------------------------|---------|--------------|

| | | |
|---------------------------|---------|--------------|
| 3700.0000 - 4200.0000 MHz | 36M0G7W | analog video |
|---------------------------|---------|--------------|

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181009-05062 E E191440 Eyecom, Inc.

Registration

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 50 Riverside Dr, Aleutians West Census, Unalaska, AK

53 ° 52 ' 19.29 " N LAT.

166 ° 31 ' 52.60 " W LONG.

| | | | | |
|-------------|--------|----------|---------------|------|
| ANTENNA ID: | UNLS-1 | 9 meters | Harris/Vertex | 5251 |
|-------------|--------|----------|---------------|------|

| | | | |
|---------------------------|---------|----------|------------|
| 3700.0000 - 4200.0000 MHz | 6M00C7W | 0.00 dBW | Television |
|---------------------------|---------|----------|------------|

| | | | | |
|-------------|--------|------------|---------------|------|
| ANTENNA ID: | UNLS-2 | 6.1 meters | Harris/Vertex | 6712 |
|-------------|--------|------------|---------------|------|

| | | | |
|---------------------------|---------|----------|------------|
| 3700.0000 - 4200.0000 MHz | 6M00C7W | 0.00 dBW | Television |
|---------------------------|---------|----------|------------|

| | | | | |
|-------------|--------|------------|------------------|----------|
| ANTENNA ID: | UNLS-3 | 3.7 meters | GD Satcom/Viking | 1374-990 |
|-------------|--------|------------|------------------|----------|

| | | | |
|---------------------------|---------|----------|------------|
| 3700.0000 - 4200.0000 MHz | 6M00C7W | 0.00 dBW | Television |
|---------------------------|---------|----------|------------|

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181009-05076 E E191454 Luken Communications, LLC

Registration

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 225 E 8th Street, Hamilton, Chattanooga, TN

35 ° 2 ' 55.28 " N LAT.

85 ° 18 ' 18.99 " W LONG.

ANTENNA ID: 1 4.5 meters Upcom UP-45T

3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Modulation and Services Digital Video

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181010-04280 E E190613 Mapleton License of Medford, LLC

Registration

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 1438 Rossanley Lane (Medford Studio), Jackson, Medford, OR

42 ° 20 ' 28.20 " N LAT.

122 ° 54 ' 35.60 " W LONG.

ANTENNA ID: 1 3.7 meters DH 37DH1

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital video, audio and data

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181010-05153 E E191534 BFI Licenses, LLC

Registration

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 652 Glenbrook Rd, Fairfield, Stamford, CT

41 ° 4 ' 33.40 " N LAT.

73 ° 31 ' 12.00 " W LONG.

ANTENNA ID: RO 3 4.5 meters Scientific Atlanta 4.5M

3700.0000 - 4200.0000 MHz 36M0G7W Digital Video and Data

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181010-05159 E E191540 Wood Broadcasting, Inc.

Registration

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Site 1

LOCATION: 104 Z Country Lane, Smith, Carthage, TN

36 ° 14 ' 42.00 " N LAT.

85 ° 56 ' 44.00 " W LONG.

ANTENNA ID: Ant1 4.5 meters American Antennas Tyro-4.5

3700.0000 - 4200.0000 MHz 36M0G7W Digital Audio and Vidow signals

Points of Communication:

Site 1 - PERMITTED LIST - ()

SES-REG-20181010-05160 E E191541 Chippewa Valley cable Inc.

Registration

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: W7589 Komro Ln (CVCHeadend), Pepin, Arkansaw, WI

44 ° 39 ' 35.00 " N LAT.

92 ° 1 ' 40.00 " W LONG.

ANTENNA ID: Headend A 3.7 meters Prodelin Series 1374

3700.0000 - 4200.0000 MHz 36M0G7W -2.70 dBW Video

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181010-05172 E E191553 AirWaves, Inc

Registration

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 453 Simeron Dr., Cache, Ogden, UT

41 ° 15 ' 17.25 " N LAT.

111 ° 56 ' 22.83 " W LONG.

ANTENNA ID: Ogden KTI 3 meters KTI CKD-10

3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

Points of Communication:

1 - GALAXY 19 (S2647) - (97 W.L.)

SES-REG-20181010-05178 E E191559 Codcomm, Inc.

Registration

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Codcomm

LOCATION: 243 South Street 243 South Street, Barnstable, Hyannis, MA
41 ° 39 ' 2.00 " N LAT. 70 ° 17 ' 2.00 " W LONG.

ANTENNA ID: unknown

3700.0000 - 4200.0000 MHz 36M0G7W

Points of Communication:

Codcomm - SES-11 (S2964) - (104.95 W.L.)

SES-REG-20181010-05190 E E191571 6 Johnson Road Licenses, Inc.

Registration

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Pamal Rutland VT

LOCATION: Door Drive, Rutland, Rutland, VT
43 ° 35 ' 27.90 " N LAT. 72 ° 59 ' 29.46 " W LONG.

ANTENNA ID: 1 2.8 meters DH Satellite 2.8Meter

3700.0000 - 4200.0000 MHz 36M0G7W

Points of Communication:

Pamal Rutland VT - PERMITTED LIST - ()

SES-REG-20181010-05288 E E191663 Cripple Creek Broadcasting Company

Registration

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: sat2

LOCATION: 2 Mt. Alto Rd, Floyd, Rome, GA
34 ° 15 ' 37.50 " N LAT. 85 ° 12 ' 17.40 " W LONG.

ANTENNA ID: S1 3.7 meters DAWNCO D37F48

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital audio content with varying data rates

Points of Communication:

sat2 - PERMITTED LIST - ()

SES-REG-20181011-05400 E E200105 WAY MEDIA, Inc.

Registration

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Site 1

LOCATION: 15826 Highway 231, Bay County, Youngstown, FL
30 ° 26 ' 18.86 " N LAT. 85 ° 25 ' 27.11 " W LONG.

ANTENNA ID: ANT 1 3.7 meters PRODELIN 1374

3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW

Points of Communication:

SES-REG-20181011-05403 E E200108 WAY MEDIA, Inc.

Registration

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Site 1

LOCATION: 10319 FM 902, Collinsville, Grayson, Collinsville, TX
33 ° 33 ' 36.97 " N LAT. 96 ° 57 ' 35.47 " W LONG.

ANTENNA ID: ANT 1 3.7 meters PRODELIN 1374

3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW

Points of Communication:

SES-REG-20181011-05423 E E200128 KAAL-TV, LLC

Registration

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: KAAL-AUSTIN

LOCATION: 1701 10TH PLACE NE, MOWER, AUSTIN, MN
43 ° 40 ' 32.40 " N LAT. 92 ° 57 ' 9.30 " W LONG.

ANTENNA ID: KAAL AUSTI 5 meters AFC 5.0/PR-16

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW DIGITAL VIDEO, AUDIO, DATA

Points of Communication:

KAAL-AUSTIN - PERMITTED LIST - ()

SES-REG-20181011-05424 E E200129 KRCA License LLC

Registration

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: San Diego

LOCATION: 12197 HWY 94 Unit #2C, Spring Valley, CA

32 ° 41 ' 53.00 " N LAT.

116 ° 56 ' 3.00 " W LONG.

ANTENNA ID: KSDX 3.7 meters DH

D37F48-4PC-5.5

3700.0000 - 4200.0000 MHz 36M0G7W

Points of Communication:

San Diego - PERMITTED LIST - ()

SES-REG-20181011-05426 E E200131 Results Broadcasting, Inc.

Registration

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: WTCH / WOWN

LOCATION: 1456 E. Green Bay Street, Shawano, Shawano, WI

44 ° 46 ' 52.60 " N LAT.

88 ° 33 ' 59.18 " W LONG.

ANTENNA ID: 1 3.8 meters Comtech

Comtech 3.8M

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW

Digital Modulation for Audio and Video Services

Points of Communication:

WTCH / WOWN - PERMITTED LIST - ()

SES-REG-20181011-05427 E E200132 Bond Broadcasting, Inc

Registration

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Greenville

LOCATION: 1463 Hunter School Road, Bond, Greenville, IL

38 ° 48 ' 11.00 " N LAT.

89 ° 20 ' 56.00 " W LONG.

ANTENNA ID: 1 3.7 meters Prodelin

1385

3700.0000 - 4200.0000 MHz 36M0G7W

Digital Audio

Points of Communication:

Greenville - PERMITTED LIST - ()

SES-REG-20181011-05431 E E200136 Digital Networks-Wichita, LLC

Registration

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: KRPC

LOCATION: 3939 Skyline Dr, Pennington, Rapid City, SD

44 ° 2 ' 49.00 " N LAT.

103 ° 14 ' 47.00 " W LONG.

ANTENNA ID: ANT1 2.8 meters Scientific Atlanta 9000

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Modulation and Services Digital Video

Points of Communication:

KRPC - PERMITTED LIST - ()

SES-REG-20181011-05433 E E200138 Cedarvision

Registration

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Site 1

LOCATION: 104 W. Centre St., Cedar, Hartington, NE

42 ° 37 ' 15.11 " N LAT.

97 ° 15 ' 54.59 " W LONG.

ANTENNA ID: Site 1 3.8 meters Patriot Commercial 3.8

3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Digital Video

3700.0000 - 4200.0000 MHz 36M0F8F 0.00 dBW Analog Video and associated subcarriers

Points of Communication:

Site 1 - PERMITTED LIST - ()

SES-REG-20181011-05436 E E200141 WCBI-TV, LLC

Registration

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: WCBI Studio

LOCATION: 201 5th Street South, Mississippi, COLUMBUS, MS

33 ° 29 ' 37.64 " N LAT.

88 ° 25 ' 39.46 " W LONG.

ANTENNA ID: ANT12345 4.5 meters DH DH-HDP-4.5

3700.0000 - 4200.0000 MHz 36M0G7W Digital Data, Audio or Video

ANTENNA ID: ANT56 3.8 meters COMTECH C38F

| | | |
|---------------------------|----------------|------------------------------|
| 3700.0000 - 4200.0000 MHz | 36M0G7W | Digital Data, Audio or Video |
| ANTENNA ID: ANT7 | 3.7 meters AFC | 3.7/PR-12 |
| 3700.0000 - 4200.0000 MHz | 36M0G7W | Digital Data, Audio or Video |

Points of Communication:

WCBI Studio - PERMITTED LIST - ()

SES-REG-20181011-05437 E E200142 KAAL-TV, LLC

Registration

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: KAAL-AUSTIN

LOCATION: 1701 10TH PLACE NE, MOWER, AUSTIN, MN

43 ° 40 ' 32.10 " N LAT.

92 ° 57 ' 8.60 " W LONG.

ANTENNA ID: KAAL AUSTI 3.7 meters MIRALITE 370

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW DIGITAL VIDEO, AUDIO, DATA

Points of Communication:

KAAL-AUSTIN - PERMITTED LIST - ()

SES-REG-20181011-05438 E E200143 Alabama Broadcasting Partners

Registration

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Studio Address

LOCATION: 3251 Harrison Road, Montgomery, Montgomery, AL

32 ° 22 ' 4.10 " N LAT.

86 ° 15 ' 42.00 " W LONG.

ANTENNA ID: Ant 1 4.5 meters Patriot 45MC

3700.0000 - 4200.0000 MHz 36M0G7F Digital Data

ANTENNA ID: Ant 2 3.7 meters Patriot 37MC

3700.0000 - 4200.0000 MHz 36M0G7F Digital Data

Points of Communication:

SES-REG-20181012-05504 E E200209 Reedsburg Utility Commission

Registration

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 501 Utility Ct, Sauk, Reedsburg, WI
43 ° 31 ' 38.20 " N LAT. 89 ° 58 ' 32.20 " W LONG.

ANTENNA ID: 1 3.8 meters Patriot Commercial
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW digital

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181012-05817 E E200509 Milwaukee Area Technical College District Board

Registration

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: SITE1
LOCATION: 4350 N Humboldt Blvd, Milwaukee, Milwaukee, WI
43 ° 5 ' 46.00 " N LAT. 87 ° 54 ' 16.40 " W LONG.

ANTENNA ID: ANT1 3.8 meters Patriot Antenna Systems PRT-380
3700.0000 - 4200.0000 MHz 36M0G7W Digital Video, Audio, Data

Points of Communication:

SITE1 - PERMITTED LIST - ()

SES-REG-20181015-04283 E E190616 Mapleton License of Monterey, LLC

Registration

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 60 Garden Court Suite 300, California, Monterey, CA
36 ° 35 ' 5.53 " N LAT. 121 ° 51 ' 15.20 " W LONG.

ANTENNA ID: Site 1 4.5 meters AMERICAN ANTENNAS, INC TVRO- 4.5
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Analog & Digital Audio with associated subcarriers

ANTENNA ID: Site 2 4.5 meters AMERICAN ANTENNAS, INC TVRO-4.5
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Analog & Digital Audio with associated subcarriers

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181015-05761 E E200450 WPBN Licensee, LLC

Registration

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 8513 East Traverse Highway, Leelanau, Traverse City, MI
44 ° 46 ' 35.40 " N LAT. 85 ° 41 ' 4.60 " W LONG.

| | | | | |
|-------------|---------------------------|------------|---------|------------------------|
| ANTENNA ID: | 1 | 4.5 meters | DH | DH4.5 |
| | 3700.0000 - 4200.0000 MHz | | 36M0G7W | Digital Video and Data |
| ANTENNA ID: | 2 | 3.8 meters | Patriot | PRT380 |
| | 3700.0000 - 4200.0000 MHz | | 36M0G7W | Digital Video and Data |
| ANTENNA ID: | 3 | 3.8 meters | DH | DH3.8 |
| | 3700.0000 - 4200.0000 MHz | | 36M0G7W | Digital Video and Data |

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181015-05762 E E200451 Marc Radio Gainesville, LLC

Registration

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Hernando Studio

LOCATION: 3988 N. Roscoe Rd., Citrus, Hernando, FL
28 ° 55 ' 16.10 " N LAT. 82 ° 22 ' 11.20 " W LONG.

| | | | | |
|-------------|---------------------------|------------|---------|----------------------------------|
| ANTENNA ID: | 1 | 3.8 meters | Dawnco | 3.8 meter |
| | 3700.0000 - 4200.0000 MHz | | 30M0G7W | 0.00 dBW |
| | | | | Digital audio and video services |

Points of Communication:

Hernando Studio - PERMITTED LIST - ()

SES-REG-20181015-05764 E E200456 OzarksGo

Registration

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: OGO-1

LOCATION: 3641 Wedington Dr, Washington, Fayetteville, AR
36 ° 4 ' 38.56 " N LAT. 94 ° 12 ' 42.61 " W LONG.

| | | | | |
|-------------|---------------------------|------------|----------|---------------|
| ANTENNA ID: | ANT2 | 3.7 meters | Prodelin | 1374 |
| | 3700.0000 - 4200.0000 MHz | | 30M0G7W | 0.00 dBW |
| | | | | digital video |
| ANTENNA ID: | ANT1 | 4.5 meters | VIASAT | 8345 |
| | 3700.0000 - 4200.0000 MHz | | 30M0G7W | 0.00 dBW |
| | | | | digital video |

Points of Communication:

OGO-1 - PERMITTED LIST - ()

SES-REG-20181015-05773 E E200465 AMC Partners Escanaba, LLC

Registration

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: WTIQ

LOCATION: 7876 W COUNTY ROAD 442, MANISTIQUE, MI

45 ° 57 ' 49.00 " N LAT.

86 ° 16 ' 36.00 " W LONG.

| | | | | |
|-------------|---------------------------|------------|---------|-----------------------------------|
| ANTENNA ID: | ANT1 | 3.8 meters | COMTECH | 3.8M |
| | 3700.0000 - 4200.0000 MHz | | 30K0G7W | 0.00 dBW |
| | | | | DIGITAL TRAFFIC, PROGRAMMING DATA |

Points of Communication:

WTIQ - PERMITTED LIST - ()

SES-REG-20181015-05787 E E200479 WPBN Licensee, LLC

Registration

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: WPBN Studio, Site 3

LOCATION: 8513 East Traverse Highway, Leelanau, Traverse City, MI

44 ° 46 ' 34.30 " N LAT.

85 ° 41 ' 4.00 " W LONG.

| | | | | |
|-------------|---------------------------|------------|---------|------------------------|
| ANTENNA ID: | 1 | 3.8 meters | Patriot | PRT380 |
| | 3700.0000 - 4200.0000 MHz | | 36M0G7W | |
| | | | | Digital Video and Data |

Points of Communication:

WPBN Studio, Site 3 - PERMITTED LIST - ()

SES-REG-20181015-05818 E E200510 Harrisburg Licensee, LLC

Registration

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: WHP Site 2
LOCATION: 3300 North 6th Street, Dauphin, Harrisburg, PA, PA
40 ° 17 ' 59.50 " N LAT. 76 ° 53 ' 48.00 " W LONG.

ANTENNA ID: 1 3.8 meters Comtech 847303-G1
3700.0000 - 4200.0000 MHz 36M0G7W Digital Video and Data
ANTENNA ID: 2 3 meters Dawn D30PLB-48
3700.0000 - 4200.0000 MHz 36M0G7W Digital Video and Data

Points of Communication:

WHP Site 2 - PERMITTED LIST - ()

SES-REG-20181016-05395 E E200100 Standard Tobacco Company, Inc.

Registration

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: WFTM Studio
LOCATION: 626 Forest Avenue PO Box 100, USA, Maysville, KY
38 ° 38 ' 30.00 " N LAT. 83 ° 45 ' 0.00 " W LONG.

ANTENNA ID: WFTMStudio 4.1 meters Patriot xxxxx
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW

Points of Communication:

WFTM Studio - AMC-8 formerly GE-8 - (139 W.L.)

SES-REG-20181016-05765 E E200457 Sparta-Tomah Broadcasting Co., Inc.

Registration

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Sparta Studio
LOCATION: 113 W. Oak Street, Monroe, Sparta, WI
43 ° 56 ' 35.33 " N LAT. 90 ° 48 ' 41.48 " W LONG.

ANTENNA ID: Ant 1 3.7 meters Design Homes 37DH1
3700.0000 - 4200.0000 MHz 36M0G7W digital audio

Points of Communication:

Sparta Studio - PERMITTED LIST - ()

SES-REG-20181016-05791 E E200483 NBC Telemundo License LLC

Registration

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: ChicagoRSN

LOCATION: 50 North Orleans Street Suite S1-100, COOK, Chicago, IL

41 ° 53 ' 17.70 " N LAT.

87 ° 38 ' 18.40 " W LONG.

ANTENNA ID: RSNCHI123 4.5 meters Andrew Corporation ESA45MPJ

3700.0000 - 4200.0000 MHz 36M0G7W Digital video, audio and data on phase modulated carriers

Points of Communication:

ChicagoRSN - PERMITTED LIST - ()

SES-REG-20181016-05810 E E200502 RUNESTONE TELEPHONE ASSOCIATION

Registration

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 314 County Road 2, Grant, Barrett, MN

45 ° 54 ' 36.60 " N LAT.

95 ° 54 ' 4.10 " W LONG.

ANTENNA ID: 1 3 meters Comtech N/A

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Receive Only

ANTENNA ID: 2 3 meters Comtech N/A

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Receive Only

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Receive Only

ANTENNA ID: 3 3 meters Comtech N/A

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Receive Only

ANTENNA ID: 4 4 meters USS N/A

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Receive Only

ANTENNA ID: 5 4 meters USS N/A

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Receive Only

ANTENNA ID: 6 4 meters USS N/A

| | | | |
|---------------------------|----------|--------------|--------------|
| 3700.0000 - 4200.0000 MHz | 36M0G7W | 0.00 dBW | Receive Only |
| ANTENNA ID: 7 | 3 meters | DH Satellite | N/A |
| 3700.0000 - 4200.0000 MHz | 36M0G7W | 0.00 dBW | Receive Only |
| ANTENNA ID: 8 | 3 meters | DH Satellite | N/A |
| 3700.0000 - 4200.0000 MHz | 36M0G7W | 0.00 dBW | Receive Only |
| ANTENNA ID: 9 | 3 meters | DH Satellite | N/A |
| 3700.0000 - 4200.0000 MHz | 36M0G7W | 0.00 dBW | Receive Only |
| ANTENNA ID: 10 | 3 meters | DH Satellite | N/A |
| 3700.0000 - 4200.0000 MHz | 36M0G7W | 0.00 dBW | Receive Only |

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181016-05812 E E200504 Burgess Broadcasting Corporation

Registration

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 34

LOCATION: 413 Lakeview Dr, POLK, CEDARTOWN, GA

34 ° 2 ' 5.00 " N LAT.

85 ° 15 ' 8.00 " W LONG.

ANTENNA ID: studio-1 3.7 meters AFC PR 12/4

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW DIGITAL AUDIO CONTENT WITH VARYING DATA RATES

Points of Communication:

34 - PERMITTED LIST - ()

SES-REG-20181016-05815 E E200507 GREATER DAYTON PUBLIC TELEVISION INC

Registration

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Site 1

LOCATION: 110 S Jefferson Street, Montgomery, Dayton, OH

39 ° 45 ' 26.02 " N LAT.

84 ° 11 ' 20.14 " W LONG.

ANTENNA ID: Ku/CB 6.1 meters Vertex 6.1 KPC

3715.0000 - 4180.0000 MHz 30M0G7W 0.00 dBW Video

Points of Communication:

Site 1 - PERMITTED LIST - ()

SES-REG-20181016-05866 E E200556 DIRECTV Enterprises, LLC

Registration

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 100 NE Barry Road, Kansas City, MO

39 ° 49 ' 50.00 " N LAT.

94 ° 34 ' 45.00 " W LONG.

ANTENNA ID: 1 4.5 meters ViaSat Superior 8345

3700.0000 - 4200.0000 MHz 36M0G7W Video

ANTENNA ID: 2 9.6 meters ATCI Simulsat 5B

3700.0000 - 4200.0000 MHz 36M0G7W Video

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181016-05873 E E200563 AT&T Sports Net Rocky Mountain, LLC

Registration

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 323 N Shore Dr. Suite 200, Pittsburgh, PA

40 ° 26 ' 45.50 " N LAT.

80 ° 0 ' 37.17 " W LONG.

ANTENNA ID: 1 4.5 meters Patriot Unknown

3700.0000 - 4200.0000 MHz 36M0G7W Video

ANTENNA ID: 2 4.5 meters Patriot Unknown

3700.0000 - 4200.0000 MHz 36M0G7W Video

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181017-05783 E E200475 WSMH Licensee, LLC

Registration

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: WSMH Site 2

LOCATION: 3463 W Pierson Rd, Genesee, Flint, MI
43 ° 3 ' 35.60 " N LAT.

83 ° 45 ' 0.03 " W LONG.

ANTENNA ID: 1 4.5 meters ASC ASC4.5

3700.0000 - 4200.0000 MHz 36M0G7W Digital Video and Data

Points of Communication:

WSMH Site 2 - PERMITTED LIST - ()

SES-REG-20181017-05808 E E200500 Stanford Communications Inc

Registration

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Amory Studio

LOCATION: 515 Highway 278 W, Monroe, Amory, MS
33 ° 58 ' 36.62 " N LAT.

88 ° 29 ' 28.75 " W LONG.

ANTENNA ID: westwood-1 3.7 meters patriot 12-ft mesh

3700.0000 - 4200.0000 MHz 36M0G7W QPSK modulation, digital audio and video data

ANTENNA ID: westwood-2 3 meters patriot 10-ft mesh

3700.0000 - 4200.0000 MHz 36M0G7W QPSK modulation, digital audio and video data

Points of Communication:

Amory Studio - PERMITTED LIST - ()

SES-REG-20181018-05813 E E200505 Hutton Broadcasting, LLC

Registration

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Studio

LOCATION: 2502 Camino Entrada Suite C, Santa Fe, Santa Fe, NM
35 ° 38 ' 15.70 " N LAT.

106 ° 1 ' 14.50 " W LONG.

ANTENNA ID: Sat 1 3.8 meters Comtech 934D0015-G2

3700.0000 - 4200.0000 MHz 36M0G7W digital audio and video

Points of Communication:

Studio - PERMITTED LIST - ()

SES-REG-20181019-05759 E E200448 Calvary Chapel of the Finger Lakes

Registration

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: WZXV

LOCATION: 1777 Rochester Road, Ontario, Farmington, NY

42 ° 56 ' 46.60 " N LAT.

77 ° 19 ' 58.80 " W LONG.

ANTENNA ID: Kaultronic 3.8 meters Kaul Tronics STI-12

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital audio and video services

Points of Communication:

WZXV - PERMITTED LIST - ()

SES-REG-20181029-05809 E E200501 NBC Telemundo License LLC

Registration

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: PhilaRSN

LOCATION: 1351 S Columbus Blvd, PHILADELPHIA, Philadelphia, PA

39 ° 55 ' 47.60 " N LAT.

75 ° 8 ' 33.70 " W LONG.

ANTENNA ID: RSNPHL-1 5 meters Scientific Atlanta 8008B (5 METER)

3700.0000 - 4200.0000 MHz 36M0G7W Digital video, audio and data on phase modulated carriers

Points of Communication:

PhilaRSN - PERMITTED LIST - ()

SES-REG-20181031-04278 E E190611 Brantley Broadcast Associates, LLC

Registration

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: WWTM Dish

LOCATION: 1209 Danville Road Suite N, Morgan, Decatur, AL

34 ° 35 ' 17.72 " N LAT.

87 ° 0 ' 1.16 " W LONG.

ANTENNA ID: Antenna 1 3.7 meters DAWNco D37F48

3700.0000 - 4200.0000 MHz 36M0G7W DIGITAL

Points of Communication:

WWTM Dish - PERMITTED LIST - ()

SES-STA-20200110-00069 E E170198 SES Americom, Inc.

Special Temporary Authority

Class of Station:

SES Americom, Inc. requests special temporary authority for 180 days, to operate its fixed earth station in Port Lucie, FL, to communicate with the SES-14 (S2974) satellite at the 47.5° W.L. orbital location to conduct service performance testing in the 13.75-14.0 GHz (Earth-to-space) frequency band.

Points of Communication:

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