



# PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION  
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WASHINGTON D.C. 20554

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Report No. SES-01909

Wednesday December 7, 2016

## 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-AFS-20161122-00898** E E150098 EchoStar Broadcasting Corporation  
Amendment  
**Class of Station:** Fixed Earth Stations  
**Nature of Service:** Other

See IBFS File No. SES-MFS-20160919-00792 for a description of application.

SITE ID: 1  
LOCATION: 10020 Liberty Street, Meade, Summerset, SD  
44 ° 11 ' 14.20 " N LAT. 103 ° 20 ' 7.50 " W LONG.

ANTENNA ID:	1	9.2 meters	General Dynamics	9.2m
	12210.0000 - 12690.0000 MHz	24M0G7W	0.00 dBW	Digital Compressed Video
	12200.0000 - 12210.0000 MHz	300KGXD	0.00 dBW	Telemetry
	12690.0000 - 12700.0000 MHz	300KGXD	0.00 dBW	Telemetry
	12200.0000 - 12210.0000 MHz	800KF3D	0.00 dBW	Telemetry
	12690.0000 - 12700.0000 MHz	800KF3D	0.00 dBW	Telemetry
	17300.0000 - 17310.0000 MHz	1M50F2D	81.84 dBW	Telecommand
	17310.0000 - 17790.0000 MHz	24M0G7W	87.00 dBW	Digital Compressed Video
	17790.0000 - 17800.0000 MHz	1M50F2D	81.84 dBW	Telecommand

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**Points of Communication:**

1 - EHOSTAR 15 (S2811) - (45.1 W.L.)

1 - EHOSTAR 23 - (44.9 W.L.)

1 - EHOSTAR/DISH - ()

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**SES-DBM-20161116-00892** E E960347 Federal Aviation Administration

Database Entry Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

The Federal Aviation Administration requests modification of the data base entry for its fixed earth station in Biorka Island, AK to specify a modified location and emission designators, for operation with Permitted List satellites in the 5925-6425 MHz (Earth-to-space) and 3700-4200 MHz (space-to-Earth) frequency bands.

SITE ID: 1

LOCATION: BIORKA ISLAND, AK  
56 ° 51 ' 7.70 " N LAT.

135 ° 33 ' 6.90 " W LONG.

ANTENNA ID: 1 4.5 meters SSE 4.5METER

5925.0000 - 6425.0000 MHz 647KG7D 55.00 dBW QPSK

3700.0000 - 4200.0000 MHz 647KG7D QPSK

ANTENNA ID: 2 4.5 meters SSE 4.5METER

5925.0000 - 6425.0000 MHz 647KG7D 55.00 dBW QPSK

3700.0000 - 4200.0000 MHz 647KG7D QPSK

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-LIC-20161024-00853** E E160161 ViaSat, Inc.

Application for Authority

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Earth Exploration Satellite Service

SITE ID: 1

LOCATION: 1236 Wayne Poultry Rd (TT&C), Jackson, Pendergrass, GA  
33 ° 10 ' 29.00 " N LAT.

83 ° 40 ' 19.00 " W LONG.

ANTENNA ID: TTC 5.4 meters ViaSat, Inc. 841054

2025.0000 - 2120.0000 MHz 1M31F1D 53.20 dBW FM TT&C Command

**Points of Communication:**

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1 - Planet Labs (S2912) - (NGSO)

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**SES-LIC-20161109-00878** E E160169 Intelsat License LLC

Application for Authority

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: 961 Anselmo Court (NAP-K50), Napa, Napa, CA

38 ° 14 ' 43.00 " N LAT.

122 ° 16 ' 51.00 " W LONG.

ANTENNA ID: 1 8.1 meters Vertex 8.1KPK

13998.0000 - 13998.0000 MHz 900KF2D 75.00 dBW Command and Ranging

14000.0000 - 14500.0000 MHz 72M0G7W 88.50 dBW Data

14000.0000 - 14500.0000 MHz 36M0G7W 85.50 dBW Data

14000.0000 - 14500.0000 MHz 36M0G7W 75.00 dBW Data

12250.0000 - 12750.0000 MHz 36M0G7W Data

**Points of Communication:**

1 - INTELSAT 8 - (168.9)

1 - PERMITTED LIST - ()

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**SES-LIC-20161201-00925** E E160176 AC BidCo LLC

Application for Authority

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: 43W700 US Route 30, Kane, Sugar Grove, IL

41 ° 45 ' 57.20 " N LAT.

88 ° 28 ' 4.10 " W LONG.

ANTENNA ID: 1 1.8 meters Prodelin 1184

11700.0000 - 12200.0000 MHz 2M20G7D Digital Data Carrier

14000.0000 - 14500.0000 MHz 2M20G7D 54.28 dBW Digital Data Carrier

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-MFS-20160919-00792** E E150098 EchoStar Broadcasting Corporation

Modification

**Class of Station:** Fixed Earth Stations

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**Nature of Service:** Other

EchoStar Broadcasting Corporation requests modification of its fixed earth station in Summerset, SD to provide telemetry, tracking and command (TT&C) services for the EchoStar 23 satellite at the 44.9° W.L. orbital location in the 17.30-17.31 GHz and 17.79-17.80 GHz (Earth-to-space), and 12.20-12.21 GHz and 12.69-12.70 GHz (space-to-Earth) frequency bands. See IBFS File No. SES-AFS-20161122-00898.

**SITE ID:** 1

**LOCATION:** 10020 Liberty Street, Meade, Summerset, SD

44 ° 11 ' 14.20 " N LAT.

103 ° 20 ' 7.50 " W LONG.

ANTENNA ID:	1	9.2 meters	General Dynamics	9.2m
12210.0000 - 12690.0000 MHz		24M0G7W	0.00 dBW	Digital Compressed Video
12200.0000 - 12210.0000 MHz		300KGXD	0.00 dBW	Telemetry
12690.0000 - 12700.0000 MHz		300KGXD	0.00 dBW	Telemetry
12200.0000 - 12210.0000 MHz		800KF3D	0.00 dBW	Telemetry
12690.0000 - 12700.0000 MHz		800KF3D	0.00 dBW	Telemetry
17300.0000 - 17310.0000 MHz		1M50F2D	81.84 dBW	Telecommand
17310.0000 - 17790.0000 MHz		24M0G7W	87.00 dBW	Digital Compressed Video
17790.0000 - 17800.0000 MHz		1M50F2D	81.84 dBW	Telecommand

**Points of Communication:**

1 - EHOSTAR 15 (S2811) - (45.1 W.L.)

1 - EHOSTAR 23 - (44.9 W.L.)

1 - EHOSTAR/DISH - ()

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**SES-MFS-20161003-00823** E E140087 Astronics AeroSat Corporation

Modification

**Class of Station:** Other

**Nature of Service:** Fixed Satellite Service, Other

Astronics AeroSat Corporation (Astronics) requests authority to modify its earth station aboard aircraft blanket authorization to add 1,000, HR129 antennas, Antenna ID AES2, and to add new points of communication for Antenna ID AES1. Specifically, Astronics requests to communicate with the following existing points of communication using Antenna ID AES2: Apstar 7 at 76.5° E.L., using the 11.45-11.7 GHz (space-to-Earth) and 14.0-14.5 GHz (Earth-to-space) frequency bands; Eutelsat 117 West A (call sign S2873) at 116.8° W.L., using the 11.7-12.2 GHz (space-to-Earth) and 14.0-14.5 GHz (Earth-to-space) frequency bands; Eutelsat 172A at 172.0° E.L., using 10.95-11.2 GHz, 11.45-11.7 GHz and 12.2-12.75 (space-to-Earth) and 14.0-14.5 GHz (Earth-to-space) frequency bands; IS-14 (call sign S2785) at 45.0° W.L., using the 11.45-11.7 GHz (space-to-Earth) and 14.0-14.5 GHz (Earth-to-space) frequency bands; and Telstar 11N (call sign S2357) at 37.55° W.L., using 10.95- 12.2 GHz and 12.25-12.75 GHz (space-to-Earth) and 14.0-14.5 GHz (Earth-to-space) frequency bands.

Astronics AeroSat requests the following new satellite points of communication for use with its new HR129 terminals and its previously licensed HR6400 terminals: Anik G1 at 107.3° W.L., using the 11.7-12.2 GHz (space-to-Earth) and 14.0-14.5 GHz (Earth-to-space) frequency bands; Apstar 6 at 134.0° E.L., using the 10.7-12.75 GHz (space-to-Earth) and 14.0-14.5 GHz (Earth-to-space) frequency bands; AsiaSat 5 at 100.5° E.L., using the 11.45-12.2 GHz (space-to-Earth) and 14.0-14.5 GHz (Earth-to-space) frequency bands; Eutelsat 10A at 10.0° E.L., using 12.5-12.75 GHz (space-to-Earth) and 14.0-14.5 GHz (Earth-to-space) frequency bands; Eutelsat 70B at 70.5 E.L., using the 10.95-11.7 GHz and 12.5-12.75 GHz (space-to-Earth) and 14.0-14.5 GHz frequency bands; Eutelsat 115 West B (call sign S2983) at 114.9° W.L., using the 11.7-12.2 GHz (space-to-Earth) and 14.0-14.5 GHz (Earth-to-space) frequency bands; IS-15 (call sign S2789) at 85.0° E.L., using 12.2-12.75 (space-to-Earth) and 14.0-14.5 GHz (Earth-to-space) frequency bands; IS-29e (call sign S2913) at 50.0° W.L., using 10.95-12.2 (space-to-Earth) and 14.0-14.5 GHz (Earth-to-space) frequency bands; JCSAT-5A at 132° E.L., using the 12.25-12.75 GHz (space-to-Earth) and 14.0-14.5 GHz (Earth-to-space) frequency bands; NSS-6 at 95.0° E.L., using the 11.45-11.7 GHz and 12.5-12.75 (space-to-Earth) and 14.0-14.5 GHz (Earth-to-space) frequency bands; Superbird C2 (call sign S2639) at 144.0° E.L., using 12.2-12.75 (space-to-Earth) and 14.0-14.5 GHz (Earth-to-space) frequency bands; Telstar 12V (call sign S2933) at 15.0° W.L., using 10.95- 12.2 (space-to-Earth) and 14.0-14.5 GHz (Earth-to-space) frequency bands; Yamal 300K at 177° W.L., using the 10.95-11.2 GHz, and 11.45-11.7 GHz (space-to-Earth) and 14.0-14.5 GHz (Earth-to-space) frequency bands; and Yamal 401 at 90° E.L., using the 10.95-11.2 GHz, 11.45-11.7 GHz, and 12.5-12.75 GHz (space-to-Earth) and 14.0-14.5 GHz (Earth-to-space) frequency bands.

In addition, Astronics AeroSat seeks waiver of the Table of Frequency Allocations in Section 2.106 of the Commission's rules to permit space-to-Earth ESAA operations in parts of the 10.7-12.75 GHz frequency band.

SITE ID: AES1  
 LOCATION: Operate up to 1000 ESAA terminals .24 m CONUS AND OCONUS

ANTENNA ID:	AES1	0.24 meters	Astronics AeroSat	HR6400
	14000.0000 - 14500.0000 MHz	4M89G7D	43.69 dBW	Digital Data Services
	14000.0000 - 14500.0000 MHz	929KG7D	42.65 dBW	Digital Data Services
	14000.0000 - 14500.0000 MHz	2M43G7D	43.42 dBW	Digital Data Services
	14000.0000 - 14500.0000 MHz	1M22G7D	43.71 dBW	Digital Data Services
	14000.0000 - 14500.0000 MHz	4M86G7D	43.87 dBW	Digital Data Services
	14000.0000 - 14500.0000 MHz	9M72G7D	43.87 dBW	Digital Data Services
	14000.0000 - 14500.0000 MHz	4M94G7D	42.90 dBW	Digital Data Services
	11700.0000 - 12200.0000 MHz	5M69G7D		Digital Data Services
	10950.0000 - 11200.0000 MHz	25M0G7D		Digital Data Services
	11450.0000 - 11700.0000 MHz	25M0G7D		Digital Data Services
	12250.0000 - 12750.0000 MHz	25M0G7D		Digital Data Services
	10950.0000 - 11200.0000 MHz	10M9G7D		Digital Data Services

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12250.0000 - 12750.0000 MHz	3M90G7D		Digital Data Services
11700.0000 - 12200.0000 MHz	10M9G7D		Digital Data Services
11700.0000 - 12200.0000 MHz	25M0G7D		Digital Data Services
14000.0000 - 14500.0000 MHz	7M20KG7D	44.88 dBW	Digital Data Services
14000.0000 - 14500.0000 MHz	7M92KG7D	43.99 dBW	Digital Data Services
14000.0000 - 14500.0000 MHz	8M00KG7D	45.17 dBW	Digital Data Services
10700.0000 - 12750.0000 MHz	27M6KG7D		Digital Data Services
10950.0000 - 11200.0000 MHz	54M0KG7D		Digital Data Services
10950.0000 - 11700.0000 MHz	54M0KG7D		Digital Data Services
10950.0000 - 12200.0000 MHz	46M5KG7D		Digital Data Services
10950.0000 - 12500.0000 MHz	54M0G7D		Digital Data Services
11450.0000 - 11700.0000 MHz	36M0KG7D		Digital Data Services
11450.0000 - 12200.0000 MHz	54M0KG7D		Digital Data Services
11450.0000 - 12750.0000 MHz	8M00KG7D		Digital Data Services
11700.0000 - 12200.0000 MHz	28M6KG7D		Digital Data Services
11700.0000 - 12200.0000 MHz	36M0KG7D		Digital Data Services
11700.0000 - 12200.0000 MHz	8M00KG7D		Digital Data Services
12200.0000 - 12750.0000 MHz	27M0KG7D		Digital Data Services
12250.0000 - 12750.0000 MHz	27M0KG7D		Digital Data Services
12500.0000 - 12750.0000 MHz	2M00KG7D		Digital Data Services
12500.0000 - 12750.0000 MHz	36M0KG7D		Digital Data Services
12500.0000 - 12750.0000 MHz	54M0KG7D		Digital Data Services
12500.0000 - 12750.0000 MHz	5M50KG7D		Digital Data Services
14000.0000 - 14500.0000 MHz	5M40KG7D	44.93 dBW	Digital Data Services
14000.0000 - 14500.0000 MHz	6M00KG7D	45.18 dBW	Digital Data Services
12500.0000 - 12750.0000 MHz	8M10KG7D		Digital Data Services

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SITE ID: AES 2  
LOCATION: Operate up to 1000 ESAA terminals .29m CONUS AND OCONUS

ANTENNA ID:	AES2	0.29 meters	ASTRONICS AEROSAT	HR129
	14000.0000 - 14500.0000 MHz	8M00KG7D	41.90 dBW	Digital Data Services
	10700.0000 - 12750.0000 MHz	36M0KG7D		Digital Data Services
	10950.0000 - 11200.0000 MHz	16M5KG7D		Digital Data Services
	10950.0000 - 11200.0000 MHz	23M8KG7D		Digital Data Services
	10950.0000 - 11200.0000 MHz	24M0KG7D		Digital Data Services
	10950.0000 - 11200.0000 MHz	36M0KG7D		Digital Data Services
	10950.0000 - 11200.0000 MHz	5M25KG7D		Digital Data Services
	10950.0000 - 11200.0000 MHz	9M28KG7D		Digital Data Services
	10950.0000 - 11700.0000 MHz	18M0KG7D		Digital Data Services
	10950.0000 - 11700.0000 MHz	31M2KG7D		Digital Data Services
	10950.0000 - 11700.0000 MHz	54M0KG7D		Digital Data Services
	10950.0000 - 12200.0000 MHz	54M0KG7D		Digital Data Services
	10950.0000 - 12500.0000 MHz	54M0KG7D		Digital Data Services
	11450.0000 - 11700.0000 MHz	18M0KG7D		Digital Data Services
	11450.0000 - 11700.0000 MHz	23M8KG7D		Digital Data Services
	11450.0000 - 11700.0000 MHz	24M0KG7D		Digital Data Services
	11450.0000 - 11700.0000 MHz	31M3KG7D		Digital Data Services
	11450.0000 - 11700.0000 MHz	36M0KG7D		Digital Data Services
	11450.0000 - 11700.0000 MHz	5M25KG7D		Digital Data Services
	11450.0000 - 11700.0000 MHz	9M28KG7D		Digital Data Services
	11450.0000 - 12200.0000 MHz	24M0KG7D		Digital Data Services
	11450.0000 - 12750.0000 MHz	24M0KG7D		Digital Data Services
	11700.0000 - 12200.0000 MHz	36M0KG7D		Digital Data Services

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12200.0000 - 12750.0000 MHz	18M0KG7D	Digital Data Services
12200.0000 - 12750.0000 MHz	23M8KG7D	Digital Data Services
12200.0000 - 12750.0000 MHz	27M0KG7D	Digital Data Services
12200.0000 - 12750.0000 MHz	5M25KG7D	Digital Data Services
12200.0000 - 12750.0000 MHz	9M28KG7D	Digital Data Services
12250.0000 - 12750.0000 MHz	16M0KG7D	Digital Data Services
12250.0000 - 12750.0000 MHz	16M5KG7D	Digital Data Services
12250.0000 - 12750.0000 MHz	36M0KG7D	Digital Data Services
12500.0000 - 12750.0000 MHz	20M0KG7D	Digital Data Services
12500.0000 - 12750.0000 MHz	36M0KG7D	Digital Data Services
12500.0000 - 12750.0000 MHz	36M0KG7D	Digital Data Services
12500.0000 - 12750.0000 MHz	54M0KG7D	Digital Data Services

**Points of Communication:**

- AES 2 - ANIK G1 - (107.3 W.L.)
- AES 2 - APSTAR 6 - (226 W.L.)
- AES 2 - Apstar 7 - (76.5 E.L.)
- AES 2 - AsiaSat 5 - (100.5E)
- AES 2 - Eutelsat 10A (W2A) - (10.0 E.L.)
- AES 2 - EUTELSAT 115 WB - (114.9 W.L.)
- AES 2 - EUTELSAT 117 (S2873) - (116.8 W.L.)
- AES 2 - EUTELSAT 172A(S2610) - (172 E. L.)
- AES 2 - Eutelsat 70B - (70.5 E.L.)
- AES 2 - INTELSAT 14 (S2785) - (45.0 W.L.)
- AES 2 - INTELSAT 15 (S2789) - (85.0 W.L.)
- AES 2 - INTELSAT 29e (S2913) - (50.0 W.L.)
- AES 2 - JCSAT 5A - (132 E.L.)
- AES 2 - NSS-6 - (95 E.L.)



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AES 2 - SUPERBIRD C (S2639) - (144 E.L.)

AES 2 - TELSTAR 11N (S2357) - (37.5 W.L.)

AES 2 - TELSTAR 12 V (S2933) - (15 W.L.)

AES 2 - Yamal 300K - (183 E.L.)

AES 2 - Yamal 401 - (90 E.L.)

AES1 - ANIK G1 - (107.3 W.L.)

AES1 - APSTAR 6 - (226 W.L.)

AES1 - Apstar 7 - (76.5 E.L.)

AES1 - AsiaSat 5 - (100.5E)

AES1 - ESTRELA DO SUL 2 - (63 W.L.)

AES1 - Eutelsat 10A (W2A) - (10.0 E.L.)

AES1 - EUTELSAT 115 WB - (114.9 W.L.)

AES1 - EUTELSAT 117 (S2873) - (116.8 W.L.)

AES1 - EUTELSAT 172A(S2610) - (172 E. L.)

AES1 - Eutelsat 70B - (70.5 E.L.)

AES1 - GALAXY 3C (S2381) - (95.05 W.L.)

AES1 - INTELSAT 14 (S2785) - (45.0 W.L.)

AES1 - INTELSAT 15 (S2789) - (85.0 W.L.)

AES1 - INTELSAT 19 (S2850) - (166.0 E.L.)

AES1 - INTELSAT 22 - (72.1 E. L.)

AES1 - INTELSAT 29e (S2913) - (50.0 W.L.)

AES1 - JCSAT 5A - (132 E.L.)

AES1 - NSS-6 - (95 E.L.)

AES1 - SUPERBIRD B2 - (162 E.L.)

AES1 - TELSTAR 11N (S2357) - (37.5 W.L.)

AES1 - TELSTAR 12 V (S2933) - (15 W.L.)

AES1 - Yamal 300K - (183 E.L.)

AES1 - Yamal 401 - (90 E.L.)

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**SES–STA–20161122–00902**    E E980005    EchoStar Broadcasting Corporation

Special Temporary Authority

**Class of Station:**

EchoStar Broadcasting Corporation requests special temporary authority, for 180 days, to operate its earth station in Cheyenne, WY to provide telemetry, tracking, and command ("TT&C") services to the EchoStar 23 satellite while at its temporary location at 86.4° W.L. and during in-orbit test location at 44.9° W.L. in the 17.30-17.31 GHz, and 17.790-17.80 GHz (Earth-to-space), and 12.20-12.21 GHz and 12.69-12.70 GHz (space-to-Earth) frequency bands.

**Points of Communication:**

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**SES–STA–20161122–00903**    E E020248    EchoStar Broadcasting Corporation

Special Temporary Authority

**Class of Station:**

EchoStar Broadcasting Corporation requests special temporary authority, for 180 days, to operate its earth station in Blackhawk, SD to provide telemetry, tracking, and command ("TT&C") services to the EchoStar 23 satellite while at its temporary location at 86.4° W.L. and during in-orbit test location at 44.9° W.L. in the 17.30-17.31 GHz, and 17.790-17.80 GHz (Earth-to-space), and 12.20-12.21 GHz and 12.69-12.70 GHz (space-to-Earth) frequency bands.

**Points of Communication:**

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**SES–STA–20161122–00904**    E E070014    EchoStar Broadcasting Corporation

Special Temporary Authority

**Class of Station:**

EchoStar Broadcasting Corporation requests special temporary authority, for 180 days, to operate its earth station in Gilbert, AZ, to provide telemetry, tracking, and command ("TT&C") services to the EchoStar 23 satellite while at its temporary location at 86.4° W.L. and during in-orbit test location at 44.9° W.L. in the 17.30-17.31 GHz, and 17.790-17.80 GHz (Earth-to-space), and 12.20-12.21 GHz and 12.69-12.70 GHz (space-to-Earth) frequency bands.

**Points of Communication:**

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