



# PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION  
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Report No. SES-02449

Wednesday March 16, 2022

## 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.

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SES-DBE-20220310-00275 E E220038 Federal Aviation Administration

Database Entry

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: PEV

LOCATION: Perryville, AK

55 ° 54 ' 34.40 " N LAT.

159 ° 9 ' 34.30 " W LONG.

ANTENNA ID: PEV 2.4 meters Skyware Global 2.4 meter

5925.0000 - 6425.0000 MHz 255KG7W 57.00 dBW QPSK

3700.0000 - 4200.0000 MHz 255KG7W QPSK

### Points of Communication:

PEV - PERMITTED LIST - ()

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SES-DBE-20220310-00276 E E220039 Federal Aviation Administration

Database Entry

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 4KA

LOCATION: Tununak, AK

60 ° 34 ' 9.00 " N LAT.

165 ° 14 ' 54.50 " W LONG.

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|             |                           |            |                   |           |
|-------------|---------------------------|------------|-------------------|-----------|
| ANTENNA ID: | 4KA                       | 2.4 meters | Skyware Global    | 2.4 meter |
|             | 6387.0000 - 6425.0000 MHz |            | 255KG7W 57.00 dBW | QPSK      |
|             | 3700.0000 - 4200.0000 MHz |            | 255KG7W           | QPSK      |
|             | 5925.0000 - 6185.0000 MHz |            | 255KG7W 57.00 dBW | QPSK      |

**Points of Communication:**

4KA - PERMITTED LIST - ()

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**SES-DBE-20220310-00277** E E220040 Federal Aviation Administration  
Database Entry

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: CJX

LOCATION: Crooked Creek, AK  
61 ° 52 ' 14.60 " N LAT.

158 ° 8 ' 5.20 " W LONG.

|             |                           |            |                   |           |
|-------------|---------------------------|------------|-------------------|-----------|
| ANTENNA ID: | CJX                       | 2.4 meters | Skyware Global    | 2.4 meter |
|             | 5925.0000 - 6425.0000 MHz |            | 255KG7W 57.00 dBW | QPSK      |
|             | 3700.0000 - 4200.0000 MHz |            | 255KG7W           | QPSK      |

**Points of Communication:**

CJX - PERMITTED LIST - ()

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**SES-DBE-20220310-00278** E E220041 Federal Aviation Administration  
Database Entry

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: Z13

LOCATION: Akiachak, AK  
60 ° 54 ' 56.20 " N LAT.

161 ° 29 ' 18.30 " W LONG.

|             |                           |          |                   |           |
|-------------|---------------------------|----------|-------------------|-----------|
| ANTENNA ID: | Z13                       | 4 meters | Skyware Global    | 2.4 meter |
|             | 3700.0000 - 4200.0000 MHz |          | 255KG7W           | QPSK      |
|             | 5925.0000 - 5937.0000 MHz |          | 255KG7W 57.00 dBW | QPSK      |
|             | 6161.0000 - 6425.0000 MHz |          | 255KG7W 57.00 dBW | QPSK      |

**Points of Communication:**

Z13 - PERMITTED LIST - ()

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**SES-LIC-20220125-00081** E E220009 SpaceX Services, Inc.

Application for Authority

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SpaceX Services seeks a blanket license for the operation of fixed earth station user terminals that will communicate with the Starlink non-geostationary orbit satellite system will transmit in the 14.0-14.5 GHz band and receive in the 10.7-12.7 GHz band. These terminals will operate with higher gain and lower transmit power, and a higher scan angle, than currently authorized fixed earth station user terminals.

SITE ID: HP UT Blanket

LOCATION: 22908 NE Alder Crest Drive, King, Redmond, WA

|             |                             |             |           |                                |
|-------------|-----------------------------|-------------|-----------|--------------------------------|
| ANTENNA ID: | HP-UT                       | 0.42 meters | SpaceX    | HP-UT                          |
|             | 10700.0000 - 12700.0000 MHz | 240MD7W     | 0.00 dBW  | BPSK up to 64QAM; Digital Data |
|             | 14000.0000 - 14500.0000 MHz | 60M0D7W     | 38.20 dBW | BPSK up to 64QAM; Digital Data |

**Points of Communication:**

HP UT Blanket - SPACEX (S2983/3018) - (NGSO)

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**SES-LIC-20220207-00162** E E220024 Universal Space Network, Inc.

Application for Authority

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Other

SITE ID: USHI02

LOCATION: 93-1704 South Point Road, Ka'u, Naalehu, HI  
19 ° 0 ' 49.60 " N LAT.

155 ° 39 ' 46.60 " W LONG.

|             |                           |           |           |   |
|-------------|---------------------------|-----------|-----------|---|
| ANTENNA ID: | HI-13M-2                  | 13 meters | Datron    | 1453  |
|             | 2041.5980 - 2042.0980 MHz | 1M00G2D   | 74.00 dBW | 125 bps on 8 KHz subcarrier with 500 KHz ranging tone |
|             | 2217.1200 - 2217.6200 MHz | 1M00G2D   | 0.00 dBW  | 2 Kbps on 32 KHz subcarrier with 500 KHz ranging tone |
|             | 8484.0000 - 8488.0000 MHz | 8M40G1D   |           | 4.2 Mbps QPSK modulation                              |

**Points of Communication:**

USHI02 - Chandrayaan-2 - (NGSO)

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**SES-MFS-20211108-01799** E KB34 Comsat, Inc.

Modification

**Class of Station:** Fixed Earth Stations

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

Comsat, Inc. requests modification of its fixed earth station in Santa Paula, CA to add new emission designators to communicate with the Inmarsat CARABINER NGSO FSS System (formerly Inmarsat 3F1, Inmarsat 3F2, Inmarsat 3F3) in the current licensed frequency bands.

SITE ID: 1  
 LOCATION: 7676 PINE GROVE ROAD, VENTURA, SANTA PAULA, CA  
 34 ° 24 ' 5.00 " N LAT. 119 ° 4 ' 29.40 " W LONG.

| ANTENNA ID: | 12.8M                     | 12.8 meters | PHILCO-FORD | 42 FT.                  |
|-------------|---------------------------|-------------|-------------|-------------------------|
|             | 5925.0000 - 6425.0000 MHz | 18M0F8F-    | 82.50 dBW   | ANALOG VIDEO            |
|             | 5925.0000 - 6425.0000 MHz | 36M0G7F     | 87.80 dBW   | DIGITAL VIDEO           |
|             | 5925.0000 - 6425.0000 MHz | 4M00G7F-    | 83.30 dBW   | DIGITAL VIDEO           |
|             | 5925.0000 - 6425.0000 MHz | 72M0G7W     | 87.80 dBW   | DIGITAL VOICE, AND DATA |
|             | 5925.0000 - 6425.0000 MHz | 21K9G7W-    | 60.70 dBW   | DIGITAL VOICE, AND DATA |
|             | 3700.0000 - 4200.0000 MHz | 36M0F8F     |             | ANALOG VIDEO            |
|             | 3700.0000 - 4200.0000 MHz | 18M0F8F-    |             | ANALOG VIDEO            |
|             | 3700.0000 - 4200.0000 MHz | 36M0G7F     |             | DIGITAL VIDEO           |
|             | 3700.0000 - 4200.0000 MHz | 4M00G7F-    |             | DIGITAL VIDEO           |
|             | 3700.0000 - 4200.0000 MHz | 72M0G7W     |             | DIGITAL VOICE, AND DATA |
|             | 3700.0000 - 4200.0000 MHz | 21K9G7W-    |             | DIGITAL VOICE, AND DATA |
|             | 1638.3500 - 1639.8500 MHz | N0N         | 33.00 dBW   | CW; PILOT               |
|             | 1638.3500 - 1639.8500 MHz | 10K0G1E     | 42.00 dBW   | PSK; TEST CARRIERS      |
|             | 1536.8500 - 1538.3500 MHz | 5K00G1E     |             | PSK; TEST CARRIERS      |
|             | 1642.3500 - 1643.3500 MHz | N0N         | 33.00 dBW   | CW; PILOT               |
|             | 1642.3500 - 1643.3500 MHz | 10K0G1E     | 42.00 dBW   | PSK; TEST CARRIERS      |
|             | 1540.8500 - 1541.8500 MHz | 5K00G1E     |             | PSK; TEST CARRIERS      |
| ANTENNA ID: | 12.8M2                    | 12.8 meters | PHILCO-FORD | 42 FT.                  |
|             | 6440.0000 - 6443.0000 MHz | 600HG1D     | 70.00 dBW   | AERO                    |
|             | 6440.0000 - 6443.0000 MHz | 1K20G1D     | 70.00 dBW   | AERO                    |
|             | 6440.0000 - 6443.0000 MHz | 2K40G1D     | 70.00 dBW   | AERO                    |
|             | 6440.0000 - 6443.0000 MHz | 10K5G1E     | 70.00 dBW   | AERO                    |

|                           |         |           |   |
|---------------------------|---------|-----------|---|
| 6425.0000 - 6443.0000 MHz | NON     | 70.00 dBW | Communications System Monitoring (CSM)                                      |
| 6425.0000 - 6443.0000 MHz | 600KFXN | 70.00 dBW | CSM   |
| 6425.0000 - 6440.0000 MHz | NON     | 77.00 dBW | PILOT   |
| 6425.0000 - 6440.0000 MHz | 30K0F3E | 77.00 dBW |   |
| 6425.0000 - 6440.0000 MHz | 600HG1D | 77.00 dBW |   |
| 6425.0000 - 6440.0000 MHz | 1K20G1D | 77.00 dBW |   |
| 6420.0000 - 6424.0000 MHz | 24K0F3E | 67.00 dBW |   |
| 6420.0000 - 6424.0000 MHz | 2K50G1D | 68.00 dBW |   |
| 6420.0000 - 6424.0000 MHz | 24K0G1D | 65.00 dBW |   |
| 6420.0000 - 6424.0000 MHz | 24K0F3E | 77.00 dBW | AFRTS audio program channel services<br>vis satellite at 176.5 degrees East |
| 6417.0000 - 6443.0000 MHz | 4K00G3E | 77.00 dBW |   |
| 6417.0000 - 6443.0000 MHz | 4K00G1D | 77.00 dBW |   |
| 6417.0000 - 6443.0000 MHz | 6K00G1D | 77.00 dBW |   |
| 6417.0000 - 6443.0000 MHz | 7K50G3E | 77.00 dBW |   |
| 6417.0000 - 6443.0000 MHz | 12K0G3E | 77.00 dBW |   |
| 6417.0000 - 6443.0000 MHz | 12K0G1D | 77.00 dBW |   |
| 6416.0000 - 6418.0000 MHz | 600KFXN | 75.00 dBW | TT&C / MARECS   |
| 6416.0000 - 6418.0000 MHz | 900KF2D | 75.00 dBW | TT&C / MARECS   |
| 6174.6000 - 6175.4000 MHz | 800KFXD | 85.00 dBW |   |
| 6170.0000 - 6180.0000 MHz | 900KF2D | 89.00 dBW | TT&C / INMARSAT II  |
| 5927.0000 - 5927.0000 MHz | 800KFXD | 85.00 dBW |   |
| 5925.0000 - 6425.0000 MHz | 34M0FXN | 85.00 dBW |   |
| 4195.0000 - 4199.0000 MHz | 24K0F3E |           |   |
| 4195.0000 - 4199.0000 MHz | 2K50G1D |           |   |
| 4195.0000 - 4199.0000 MHz | 24K0G1D |           |   |

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|                           |         |                    |
|---------------------------|---------|--------------------|
| 4192.5000 - 4200.0000 MHz | 3K00G1D |                    |
| 4192.5000 - 4200.0000 MHz | 4K00G1D |                    |
| 4192.5000 - 4200.0000 MHz | 4K00G3E |                    |
| 4192.5000 - 4200.0000 MHz | 7K50G3E |                    |
| 4192.5000 - 4200.0000 MHz | 12K0G1D |                    |
| 4192.5000 - 4200.0000 MHz | 12K0G3E |                    |
| 4192.5000 - 4200.0000 MHz | NON     | PILOT              |
| 4192.5000 - 4200.0000 MHz | 600HG1D |                    |
| 4192.5000 - 4200.0000 MHz | 1K20G1D |                    |
| 4192.5000 - 4200.0000 MHz | 4K80G1D |                    |
| 4188.0000 - 4189.0000 MHz | 1K00G1D | TT&C / MARECS      |
| 3954.5000 - 3954.5000 MHz | 1K00G1D |                    |
| 3954.5000 - 3954.5000 MHz | 14K5F2D |                    |
| 3945.5000 - 3945.5000 MHz | 1K00G1D |                    |
| 3945.5000 - 3945.5000 MHz | 1K00G1D |                    |
| 3945.5000 - 3945.5000 MHz | 14K5F2D |                    |
| 3945.0000 - 3955.0000 MHz | 1K00G1D | TT&C / INMARSAT II |
| 3700.5000 - 3700.5000 MHz | 1K00G1D |                    |
| 3620.0000 - 3623.0000 MHz | 600HG1D | AERO               |
| 3620.0000 - 3623.0000 MHz | 1K20G1D | AERO               |
| 3620.0000 - 3623.0000 MHz | 2K40G1D | AERO               |
| 3620.0000 - 3623.0000 MHz | 10K5G1E | AERO               |
| 3600.0000 - 3623.0000 MHz | NON     | CSM                |
| 3600.0000 - 3623.0000 MHz | 300KFXN | CSM                |
| 3600.0000 - 3623.0000 MHz | 3K00G1D |                    |
| 3600.0000 - 3623.0000 MHz | 4K00G1D |                    |

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|                           |         |           |       |
|---------------------------|---------|-----------|-------|
| 3600.0000 - 3623.0000 MHz | 4K00G3E |           |       |
| 3600.0000 - 3623.0000 MHz | 7K50G3E |           |       |
| 3600.0000 - 3623.0000 MHz | 12K0G1D |           |       |
| 3600.0000 - 3623.0000 MHz | 12K0G3E |           |       |
| 3600.0000 - 3620.0000 MHz | NON     |           | PILOT |
| 3600.0000 - 3620.0000 MHz | 600HG1D |           |       |
| 3600.0000 - 3620.0000 MHz | 4K80G1D |           |       |
| 3600.0000 - 3620.0000 MHz | 30K0F3E |           |       |
| 1646.5000 - 1649.5000 MHz | 600HG1D | 15.00 dBW | AERO  |
| 1646.5000 - 1649.5000 MHz | 1K20G1D | 18.00 dBW | AERO  |
| 1646.5000 - 1649.5000 MHz | 2K40G1D | 21.00 dBW | AERO  |
| 1646.5000 - 1649.5000 MHz | 10K5G1E | 27.00 dBW | AERO  |
| 1626.5000 - 1649.5000 MHz | 300KFXN | 62.00 dBW | CSM   |
| 1626.5000 - 1649.5000 MHz | NON     | 62.00 dBW | PILOT |
| 1626.5000 - 1646.5000 MHz | NON     | 37.00 dBW | PILOT |
| 1626.5000 - 1646.5000 MHz | 600HG1D | 16.00 dBW | CSM   |
| 1626.5000 - 1646.5000 MHz | 1K20G1D | 16.00 dBW | CSM   |
| 1626.5000 - 1646.5000 MHz | 4K80G1D | 37.00 dBW | CSM   |
| 1626.5000 - 1646.5000 MHz | 30K0F3E | 37.00 dBW | CSM   |
| 1545.0000 - 1548.0000 MHz | 600HG1D |           | AERO  |
| 1545.0000 - 1548.0000 MHz | 1K20G1D |           | AERO  |
| 1545.0000 - 1548.0000 MHz | 2K40G1D |           | AERO  |
| 1545.0000 - 1548.0000 MHz | 10K5G1E |           | AERO  |
| 1530.0000 - 1548.0000 MHz | NON     |           | CSM   |
| 1530.0000 - 1548.0000 MHz | 600KFXN |           | CSM   |
| 1530.0000 - 1545.0000 MHz | NON     |           | PILOT |

|                           |             |             |                         |
|---------------------------|-------------|-------------|-------------------------|
| 1530.0000 - 1545.0000 MHz | 600HG1D     |             | CSM                     |
| 1530.0000 - 1545.0000 MHz | 1K20G1D     |             | CSM                     |
| 1530.0000 - 1545.0000 MHz | 30K0F3E     |             | CSM                     |
| 6421.5000 - 6423.5000 MHz | 800KFXD     | 80.00 dBW   | FSK; OMNI TT&C          |
| 6421.5000 - 6423.5000 MHz | 800KFXD     | 80.00 dBW   | FSK; OMNI TT&C          |
| 6339.5000 - 6341.5000 MHz | 800KFXD     | 73.00 dBW   | FSK; GLOBAL TT&C        |
| 3950.6000 - 3950.6000 MHz | 800KFXD     |             | FSK; TM1                |
| 3628.5000 - 3628.5000 MHz | 800KFXD     |             | FSK; AUS TM             |
| 3607.2500 - 3607.2500 MHz | N0N         |             | CW; TRACKING            |
| ANTENNA ID: 10.4M.        | 10.4 meters | PHILCO-FORD | 34 FT.                  |
| 6420.0000 - 6424.0000 MHz | 24K0F3E     | 67.00 dBW   |                         |
| 6420.0000 - 6424.0000 MHz | 2K50G1D     | 68.00 dBW   |                         |
| 6420.0000 - 6424.0000 MHz | 24K0G1D     | 65.00 dBW   |                         |
| 6174.6000 - 6175.4000 MHz | 800KFXD     | 85.00 dBW   |                         |
| 5927.0000 - 5927.0000 MHz | 800KFXD     | 85.00 dBW   |                         |
| 5925.0000 - 6425.0000 MHz | 34M0FXN     | 85.00 dBW   |                         |
| 5925.0000 - 6425.0000 MHz | 36M0F8F     | 80.00 dBW   | ANALOG VIDEO            |
| 5925.0000 - 6425.0000 MHz | 18M0F8F-    | 80.00 dBW   | ANALOG VIDEO            |
| 5925.0000 - 6425.0000 MHz | 36M0G7F     | 85.30 dBW   | DIGITAL VIDEO           |
| 5925.0000 - 6425.0000 MHz | 4M00G7F-    | 80.80 dBW   | DIGITAL VIDEO           |
| 5925.0000 - 6425.0000 MHz | 72M0G7W     | 85.30 dBW   | DIGITAL VOICE, AND DATA |
| 5925.0000 - 6425.0000 MHz | 21K9G7W-    | 58.20 dBW   | DIGITAL VOICE, AND DATA |
| 4195.0000 - 4199.0000 MHz | 24K0F3E     |             |                         |
| 4195.0000 - 4199.0000 MHz | 2K50G1D     |             |                         |
| 4195.0000 - 4199.0000 MHz | 24K0G1D     |             |                         |
| 3954.5000 - 3954.5000 MHz | 1K00G1D     |             |                         |



|                           |             |             |  |  |
|---------------------------|-------------|-------------|--|--|
| 3954.5000 - 3954.5000 MHz | 14K5F2D     |             |  |  |
| 3945.5000 - 3945.5000 MHz | 1K00G1D     |             |  |  |
| 3945.5000 - 3945.5000 MHz | 1K00G1D     |             |  |  |
| 3945.5000 - 3945.5000 MHz | 14K5F2D     |             |  |  |
| 3700.5000 - 3700.5000 MHz | 1K00G1D     |             |  |  |
| 3700.0000 - 4200.0000 MHz | 36M0F8F     |             |  | ANALOG VIDEO   |
| 3700.0000 - 4200.0000 MHz | 18M0F8F-    |             |  | ANALOG VIDEO   |
| 3700.0000 - 4200.0000 MHz | 36M0G7F     |             |  | DIGITAL VIDEO  |
| 3700.0000 - 4200.0000 MHz | 4M00G7F-    |             |  | DIGITAL VIDEO  |
| 3700.0000 - 4200.0000 MHz | 72M0G7W     |             |  | DIGITAL VOICE, AND DATA                                |
| 3700.0000 - 4200.0000 MHz | 21K9G7W-    |             |  | DIGITAL VOICE, AND DATA                                |
| ANTENNA ID: SAPA13        | 10.4 meters | PHILCO-FORD |  | 34 FT.   |
| 5925.0000 - 6425.0000 MHz | 34M0F8W     | 82.50 dBW   |  | TEST ANALOG CARRIER TO MONITOR TRANSPONDER PERFORMANCE |
| 6424.0000 - 6454.0000 MHz | 34K0F3E     | 59.50 dBW   |  | FM TELEPHONY COMPANDED AND UNCOMPANDED                 |
| 6424.0000 - 6454.0000 MHz | 27K0F3W     | 59.50 dBW   |  | FM9 ANALOG BROADCAST CARRIER                           |
| 6424.0000 - 6454.0000 MHz | 40K0G1W     | 60.80 dBW   |  | 16 QAM DIGITAL TELEPHONY                               |
| 6424.0000 - 6454.0000 MHz | 400KG1F     | 59.50 dBW   |  | QPSK, DIGITAL VIDEO DATA                               |
| 6424.0000 - 6454.0000 MHz | NON         | 59.50 dBW   |  | UNMDULATED AFC PILOT                                   |
| 5927.0000 - 5927.0000 MHz | NON         | 50.80 dBW   |  | TT&C RANGING CARRIER                                   |
| 6424.0000 - 6454.0000 MHz | 5K60G1E     | 53.20 dBW   |  | QPSK, TELEPHONY  |
| 6424.0000 - 6454.0000 MHz | 24K0G1E     | 58.60 dBW   |  | QPSK, TELEPHONY  |
| 6424.0000 - 6454.0000 MHz | 5K60G1D     | 52.30 dBW   |  | QPSK, DATA/FAX   |
| 6424.0000 - 6454.0000 MHz | 2K40G7D     | 48.60 dBW   |  | QPSK, DATA/TDM   |
| 6424.0000 - 6454.0000 MHz | 24K0G1W     | 58.60 dBW   |  | QPSK, DATA/FAX   |
| 6424.0000 - 6454.0000 MHz | 132KG7D     | 59.50 dBW   |  | QPSK, DATA/TDM   |

|                           |            |             |  |
|---------------------------|------------|-------------|--|
| 6424.0000 - 6454.0000 MHz | 2M20G1D    | 71.70 dBW   | BPSK, DATA   |
| 6424.0000 - 6454.0000 MHz | 2K40G1D    | 48.60 dBW   | BPSK, DATA   |
| 3700.0000 - 4200.0000 MHz | 36M0F8W    |             | TEST ANALOG CARRIER TO MONITOR TRANSPONDER PERFORMANCE |
| 3600.0000 - 3629.0000 MHz | 34K0F3E    |             | FM TELEPHONY COMPOUNDED AND UNCOMPOUNDED               |
| 3600.0000 - 3629.0000 MHz | 2M20G1D    |             | BPSK SPREAD SPECTRUM DATA (NAVIGATION)                 |
| 3947.0000 - 3953.0000 MHz | 131KG2D    |             | PCM/PSK/BI-PHASE TRACKING BEACON                       |
| 3600.0000 - 3629.0000 MHz | 40K0G1W    |             | 16 QAM DIGITAL TELEPHONY                               |
| 3600.0000 - 3629.0000 MHz | 400KG1F    |             | QPSK, DIGITAL VIDEO DATA                               |
| 3600.0000 - 3629.0000 MHz | NON        |             | UNMODULATED AFC PILOT                                  |
| 3600.0000 - 3629.0000 MHz | 5K60G1E    |             | BPSK, TELEPHONY  |
| 3600.0000 - 3629.0000 MHz | 24K0G1E    |             | BPSK, TELEPHONY  |
| 3600.0000 - 3629.0000 MHz | 24K0G1W    |             | BPSK, DATA/FAX   |
| 3600.0000 - 3629.0000 MHz | 5K60G1W    |             | BPSK, DATA/FAX   |
| 3600.0000 - 3629.0000 MHz | 132KG7D    |             | BPSK, DATA/TDM   |
| 3500.0000 - 3629.0000 MHz | 24K0G7D    |             | BPSK, DATA/TDM   |
| 3600.0000 - 3629.0000 MHz | 2M20G1D    |             | BPSK, DATA   |
| 3600.0000 - 3629.0000 MHz | 2K40G1D    |             | BPSK, DATA   |
| ANTENNA ID: SAPA 13L      | 1.8 meters | PHILCO-FORD | 1.8M.  |
| 1626.5000 - 1660.5000 MHz | NON        | 27.20 dBW   | UNMODULATED AFC PILOT (CLOSE LOOP)                     |
| 1525.0000 - 1559.0000 MHz | 2M20G1D    |             | TEST BPSK SPREAD SPECTRUM DATA-CLOSE LOOP              |
| 1574.4000 - 1576.6000 MHz | 2M20G1D    |             | TEST BPSK SPREAD SPECTRUM DATA-CLOSE LOOP              |
| 1525.0000 - 1559.0000 MHz | 34K0F3E    |             | TEST FM TELEPHONY COMPANDED AND UNCOMPANDED            |
| 1525.0000 - 1559.0000 MHz | 400K0G1W   |             | TEST 16 QAM DIGITAL TELEPHONY                          |

|                           |         |                               |
|---------------------------|---------|-------------------------------|
| 1525.0000 - 1559.0000 MHz | 400KG1F | TEST QPSK, DIGITAL VIDEO DATA |
| 1525.0000 - 1559.0000 MHz | 5K60G1E | TEST QPSK, TELEPHONY          |
| 1525.0000 - 1559.0000 MHz | 24K0G1E | TEST QPSK, TELEPHONY          |
| 1525.0000 - 1559.0000 MHz | 5K60G1W | TEST QPSK, DATA/FAX           |
| 1525.0000 - 1559.0000 MHz | 24K0G7D | TEST BPSK, DATA/TDM           |
| 1525.0000 - 1559.0000 MHz | 24K0G1W | TEST QPSK, DATA/FAX           |
| 1525.0000 - 1559.0000 MHz | 132K7D  | TEST BPSK, DATA/TDM           |
| 1525.0000 - 1559.0000 MHz | NON     | UNMODULATED AFC PILOT         |
| 1525.0000 - 1559.0000 MHz | 2M20G1D | TEST BPSK, DATA               |
| 1525.0000 - 1559.0000 MHz | 24K0G1D | TEST BPSK, DATA               |

**Points of Communication:**

- 1 - INMARSAT 2F1 - (142 W.L.)
- 1 - INMARSAT 4F3 - (98.25 W.L.)
- 1 - INMARSAT POR -
- 1 - ISAT List -
- 1 - PERMITTED LIST - ()

**SES-MOD-20211110-01988** E E170070 Kymeta Corporation

Application for Modification

**Class of Station:** Mobile Earth Station

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

Kymeta seeks authority to add 1,000 terminals operating at up to 40 watts to its existing authorization to operate 10,000 terminals at 16.2 watts. There is no change to the antenna.

**SITE ID:** VMES

**LOCATION:** United States, its territories and terr international waters

| ANTENNA ID: | KyWay 1                     | 0.7 meters | Kymeta Corporation | Type 1 |
|-------------|-----------------------------|------------|--------------------|--------|
|             | 14000.0000 - 14500.0000 MHz | 6M96G1D    | 45.04 dBW          | Data   |
|             | 14000.0000 - 14500.0000 MHz | 5M00G1D    | 45.04 dBW          | Data   |
|             | 14000.0000 - 14500.0000 MHz | 3M48G1D    | 45.04 dBW          | Data   |
|             | 14000.0000 - 14500.0000 MHz | 3M00G1D    | 45.04 dBW          | Data   |

|                             |         |           |      |
|-----------------------------|---------|-----------|------|
| 14000.0000 - 14500.0000 MHz | 2M00G1D | 45.04 dBW | Data |
| 14000.0000 - 14500.0000 MHz | 1M50G1D | 44.74 dBW | Data |
| 14000.0000 - 14500.0000 MHz | 611KG1D | 40.84 dBW | Data |
| 11700.0000 - 12200.0000 MHz | 36M0G1D |           | Data |
| 11700.0000 - 12200.0000 MHz | 1M50G1D |           | Data |
| 11450.0000 - 11700.0000 MHz | 36M0G1D |           | Data |
| 11450.0000 - 11700.0000 MHz | 1M50G1D |           | Data |
| 10950.0000 - 11200.0000 MHz | 1M50G1D |           | Data |
| 10950.0000 - 11200.0000 MHz | 36M0G1D |           | Data |

SITE ID: ESV  
LOCATION: US territorial and international waters

ANTENNA ID: KyWay 1      0.7 meters      Kymeta Corporation      Type 1

SITE ID: VSAT  
LOCATION: United States, its territories and terr international waters

ANTENNA ID: KyWay 1      0.7 meters      Kymeta Corporation      Type 1

SITE ID: ESIM  
LOCATION: United States, its territories and terr international waters, US&P

ANTENNA ID: u8      0.82 meters      Kymeta Corporation      u8

|                             |         |           |         |
|-----------------------------|---------|-----------|---------|
| 14000.0000 - 14500.0000 MHz | 6M96G1D | 51.10 dBW | Digital |
| 14000.0000 - 14500.0000 MHz | 611KG1D | 42.76 dBW | Digital |
| 14000.0000 - 14500.0000 MHz | 3M00G1D | 49.67 dBW | Digital |
| 14000.0000 - 14500.0000 MHz | 36M0G1D | 51.12 dBW | Digital |
| 14000.0000 - 14500.0000 MHz | 2M00G1D | 47.91 dBW | Digital |
| 14000.0000 - 14500.0000 MHz | 1M50G1D | 46.66 dBW | Digital |
| 14000.0000 - 14500.0000 MHz | 15M0G1D | 51.10 dBW | Digital |
| 14000.0000 - 14500.0000 MHz | 125KG1D | 35.87 dBW | Digital |
| 11700.0000 - 12200.0000 MHz | 6M96G1D |           | Digital |
| 11700.0000 - 12200.0000 MHz | 611KG1D |           | Digital |

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|                             |         |         |
|-----------------------------|---------|---------|
| 11700.0000 - 12200.0000 MHz | 3M00G1D | Digital |
| 11700.0000 - 12200.0000 MHz | 36M0G1D | Digital |
| 11700.0000 - 12200.0000 MHz | 2M00G1D | Digital |
| 11700.0000 - 12200.0000 MHz | 1M50G1D | Digital |
| 11700.0000 - 12200.0000 MHz | 15M0G1D | Digital |
| 11450.0000 - 11700.0000 MHz | 125KG1D | Digital |
| 11450.0000 - 11700.0000 MHz | 611KG1D | Digital |
| 11450.0000 - 11700.0000 MHz | 1M50G1D | Digital |
| 11450.0000 - 11700.0000 MHz | 2M00G1D | Digital |
| 11450.0000 - 11700.0000 MHz | 3M00G1D | Digital |
| 11450.0000 - 11700.0000 MHz | 6M96G1D | Digital |
| 11450.0000 - 11700.0000 MHz | 15M0G1D | Digital |
| 10950.0000 - 11200.0000 MHz | 125KG1D | Digital |
| 10950.0000 - 11200.0000 MHz | 611KG1D | Digital |
| 10950.0000 - 11200.0000 MHz | 1M50G1D | Digital |
| 10950.0000 - 11200.0000 MHz | 2M00G1D | Digital |
| 10950.0000 - 11200.0000 MHz | 3M00G1D | Digital |
| 10950.0000 - 11200.0000 MHz | 6M96G1D | Digital |
| 10950.0000 - 11200.0000 MHz | 15M0G1D | Digital |
| 11700.0000 - 12200.0000 MHz | 125KG1D | Digital |

**Points of Communication:**

ESIM - PERMITTED LIST - ()

ESV - PERMITTED LIST - ()

VMES - PERMITTED LIST - ()

VSAT - PERMITTED LIST - ()

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