SATELLITE EARTH STATION AUTHORIZATIONS
FCC Form 312 - Schedule B:(Technical and Operational Description)
FOR OFFICIAL USE ONLY

**Location of Earth Station Site**

| | | | |
|---|---|---|---|
| E1: Site Identifier: | Remote 1 | E5: Call Sign: | |
| E2: Contact Name: | ALIEU ('Al) SAVAGE | E6: Phone Number: | 310-381-2000 |
| E3: Street: | up to 10,000 Receive-only METs | E7: City: | |
| E4: State: | | E8: County: | |
| | | E9: Zip Code: | |
| E10: Area of Operation: | | | |
| E11: Latitude: | 0° 0' 0" | | |
| E12: Longitude: | 0° 0' 0" | | |
| E13: Lat/Lon Coordinates are: | nad-83 | | |
| E14: Site Elevation (AMSL): | 0 | | |

| | |
|---|---|
| If the proposed antenna(s) operate in the Fixed Satellite Service (FSS) with geostationary satellites, do(es) the proposed antenna(s) comply with the antenna gain patterns specified in Section 25.209(a) and (b) as demonstrated by the manufacturer's qualification measurement? If NO, provide a technical analysis showing compliance with two-degree spacing policy. | N/A |
| If the proposed antenna(s) do not operate in the Fixed Satellite Service (FSS) or if they operate in the Fixed Satellite Service (FSS) with non-geostationary satellites, do(es) the proposed antenna(s) comply with the antenna gain patterns specified in Section 25.209(a) and (b) as demonstrated by the manufacturer's qualification measurement? | N/A |
| Is Frequency Coordination required? | No |
| Is coordination with another country required? | No |
| Is FAA notification required? | Yes |
| Is facility operated by remote control? | No |

**POINTS OF COMMUNICATION**

Satellite Name: INMARSAT 4F3 (S2932)

| | |
|---|---|
| E21. Common Name: INMARSAT 4F3 (S2932) | E22. ITU Name: INMARSAT 4F3 |
| E23. Orbit Location: 98 W.L. | E24. Country: |

| Satellite Name: INMARSAT 3F4 | |
|---|---|
| E21. Common Name: INMARSAT 3F4 | E22. ITU Name: INMARSAT 3F4 |
| E23. Orbit Location: 54 W.L. | E24. Country: |

| Satellite Name: INMARSAT 3F3 | |
|---|---|
| E21. Common Name: INMARSAT 3F3 | E22. ITU Name: INMARSAT 3F3 |
| E23. Orbit Location: 178 E.L. | E24. Country: |

| Satellite Name: INMARSAT 3F2 | |
|---|---|
| E21. Common Name: INMARSAT 3F2 | E22. ITU Name: INMARSAT 3F2 |
| E23. Orbit Location: 15.5 W.L. | E24. Country: |

| Satellite Name: INMARSAT 4F1 | |
|---|---|
| E21. Common Name: INMARSAT 4F1 (KA25) | E22. ITU Name: INMARSAT 4F1 |
| E23. Orbit Location: 143.5 E.L. | E24. Country: |

**ANTENNA**

| **Site ID** | **E28. Antenna Id** | **E29. Quantity** | **E30. Manufacturer** | **E31. Model** | **E32. Antenna Size (meters)** | **E41/42. Antenna Gain Transmit and/or Recieve (dBi at GHz)** |
|---|---|---|---|---|---|---|
| Remote 1 | 1 | 10000 | DEERE & COMPANY | PF80385 | 0.2 | undefined at 0 |

| **E28. Antenna Id** | **E33/34. Diameter Minor/Major (meters)** | **E35. Above Ground Level (meters)** | **E36. Above Sea Level (meters)** | **E37. Building Height Above Ground Level (meters)** | **E38. Total Input Power at Antenna Flange (Watts)** | **E39. Maximum Antenna Height Above Rooftop (meters)** | **E40. Total EIRP for all carriers (dBW)** |
|---|---|---|---|---|---|---|---|

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 0.2/0.2 | 0 | 0 | 0 | 0 | 0 | 0 |

**FREQUENCY**

| E28. Antenna Id | E43/44. Frequency Bands (MHz) | E45. T/R Mode | E46. Antenna Polarization (H,V,L,R) | E47. Emission Designator | E48. Maximum EIRP per Carrier (dBW) | E49. Maximum ERIP Density per Carrier (dBW/4kHz) |
|---|---|---|---|---|---|---|
| 1 | 1545.9775<br>1545.9775 | R | null | 2K50D1D | 0 | 0 |

**E50. Modulation and Services**

BPSK/MULTI-POINT LEASED DATA DOWNLINK SE

| E28. Antenna Id | E43/44. Frequency Bands (MHz) | E45. T/R Mode | E46. Antenna Polarization (H,V,L,R) | E47. Emission Designator | E48. Maximum EIRP per Carrier (dBW) | E49. Maximum ERIP Density per Carrier (dBW/4kHz) |
|---|---|---|---|---|---|---|
| 1 | 1545.9675<br>1545.9675 | R | null | 2K50D1D | 0 | 0 |

**E50. Modulation and Services**

BPSK/MULTI-POINT LEASED DATA DOWNLINK SE

| E28. Antenna Id | E43/44. Frequency Bands (MHz) | E45. T/R Mode | E46. Antenna Polarization (H,V,L,R) | E47. Emission Designator | E48. Maximum EIRP per Carrier (dBW) | E49. Maximum ERIP Density per Carrier (dBW/4kHz) |
|---|---|---|---|---|---|---|
| 1 | 1545.9875<br>1545.9875 | R | null | 2K50D1D | 0 | 0 |

**E50. Modulation and Services**

BPSK/MULTI-POINT LEASED DATA DOWNLINK SE

**FREQUENCY COORDINATION**

| E28. Antenna | E51. Satellite | E52/53. Frequency | E54/55. Range | E56. Earth Station Azimuth | E57. Antenna Elevation Angle | E60. Maximum |
|---|---|---|---|---|---|---|

| Id | Orbit Type | Limits(MHz) | of Satellite Arc E/W Limit | Angle Eastern/Western Limit | Eastern/Western Limit | EIRP Density toward the Horizon (dBW/4kHz) |
|---|---|---|---|---|---|---|
| 1 | null | 1545.9775<br>1545.9775 | 0 / 0 | 0 / 0 | 0 / 0 | -999 |

1null1545.9675
1545.96750 / 00 / 00 / 0-9991null1545.9875
1545.98750 / 00 / 00 / 0-999

**REMOTE CONTROL POINT LOCATION**

| | | | |
|---|---|---|---|
| E61. Call Sign:<br>undefined | | E65. Phone Number:<br>undefined | |
| E62. Street Address:<br>undefined | | | |
| E63. City:<br>undefined | E67. County:<br>undefined | E64/68. State/Country:<br>undefined / undefined | E66. Zip Code:<br>undefined |

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