

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:	Santa Paula	E5: Call Sign:	
E2: Contact Name:	Paul Watts	E6: Phone Number:	8059334010
E3: Street:	7676 Pine Grove Road	E7: City:	Santa Paula
E4: State:	0f2d5cd7dbbd22008e0b75131f961907	E8: County:	Ventura
		E9: Zip Code:	93060
E10: Area of Operation:	CONUS		
E11: Latitude:	34° 24' 9"		
E12: Longitude:	119° 4' 24.7"		
E13: Lat/Lon Coordinates are:	nad-83		
E14: Site Elevation (AMSL):	228.6		

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.	Yes
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?	Yes
Is coordination with another country required?	No
Is FAA notification required?	No
Is facility operated by remote control?	No

POINTS OF COMMUNICATION

Satellite Name: INMARSAT Ltd-3

E21. Common Name: INMARSAT Ltd-3	E22. ITU Name: INMARSAT Ltd-3
E23. Orbit Location: 178 E.L.	E24. Country: USA

Satellite Name: INMARSAT Ltd.-2 POR	
E21. Common Name: INMARSAT Ltd.-2 POR	E22. ITU Name: INMARSAT Ltd.-2 POR
E23. Orbit Location: 179 DEGR	E24. Country: USA

Satellite Name: PERMITTED LIST	
E21. Common Name: PERMITTED LIST	E22. ITU Name: PERMITTED LIST
E23. Orbit Location: GSO	E24. Country: USA

Satellite Name: ISAT List	
E21. Common Name: ISAT List	E22. ITU Name: ISAT List
E23. Orbit Location: SYSTEM	E24. Country: USA

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)
Santa Paula	13M	1	Universal	1130	13	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)
13M	0/0	13.7	242.3	0	5000	0	93.21

FREQUENCY

E28. Antenna	E43/44. Frequency	E45. T/R	E46. Antenna Polarization	E47. Emission	E48. Maximum	E49. Maximum ERIP Density
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Id	Bands (MHz)	Mode	(H,V,L,R)	Designator	EIRP per Carrier (dBW)	per Carrier (dBW/4kHz)
13M	6454.4 6456.6	T	null	2M20G1D	82.3	54.8963731

E50. Modulation and Services

Digital Data & Feederlink to support FAA

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)
13M	5925 6425	T	null	36M0F8F	82.7	43.1575749

E50. Modulation and Services

Analog Video

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)
13M	3700 4200	R	null	36M0F8F	0	0

E50. Modulation and Services

Analog Video

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)
13M	3700 4200	R	null	69K0G7W	0	0

E50. Modulation and Services

Digital Voice, Video and Data

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)
13M	5925 6425	T	null	48M6G7W	83.1	42.2542372

E50. Modulation and Services

Digital Voice, Video and Data

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)
13M	6440.8 6443	T	null	2M20G1D	78	50.5963731

E50. Modulation and Services

Digital Data & Feederlink to support FAA

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)
13M	3629.4 3631.6	R	null	2M20G1D	0	0

E50. Modulation and Services

Digital Data & Feederlink to support FAA

FREQUENCY COORDINATION

E28. Antenna Id	E51. Satellite Orbit Type	E52/53. Frequency Limits(MHz)	E54/55. Range of	E56. Earth Station Azimuth Angle	E57. Antenna Elevation Angle Eastern/Western	E60. Maximum EIRP
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			Satellite Arc E/W Limit	Eastern/Western Limit	Limit	Density toward the Horizon (dBW/4kHz)
13M	Geostationary	5925 6425	46 / 168	99.75 / 260.15	5.23 / 5.36	42.6

13MGeostationary3700

420046 / 16899.75 / 260.155.23 / 5.36013MGeostationary6440.8

6443180 / 179252.56 / 253.2215.24 / 14.421.6413MGeostationary5925

642546 / 16899.75 / 260.155.23 / 5.3642.613MGeostationary3700

420046 / 16899.75 / 260.155.23 / 5.36013MGeostationary3629.4

3631.6180 / 179252.56 / 253.2215.24 / 14.42013MGeostationary6454.4

6456.6180 / 179252.56 / 253.2215.24 / 14.421.64

REMOTE CONTROL POINT LOCATION

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

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