

2J6933MPGFz-300LL100-C43NBST_300D302-C906N_CU017570

GNSS and IRIDIUM Magnetic/Adhesive Mount



FEATURES

- Magnetic/Adhesive Mount
- Ground Plane Independent
- Cable 1: Iridium (1616-1627 MHz)
- Cable 2: GPS/GLONASS/QZSS/Galileo (1575-1610 MHz)
- IP67, IP69
- 89 x 76 x 27/30 mm
- Customized Cable and Connector

ANTENNA AND ELECTRICAL SPECIFICATIONS

Cable 1	Iridium Antenna
Standards	Iridium
Band (MHz)	1621
Frequency(MHz)	1616-1627
Return Loss (dB)	~-12.5
VSWR	~1.6:1
Efficiency (%)	~57.1
Peak Gain (dBi)	~2.2
Average Gain (dB)	~-2.4
Radiation Pattern	Hemispherical
Polarization	RHCP
Connector Type	SMA-Male Standard (Other Connectors Available)
Cable Length	300 cm Standard (Any Cable Length Available)
Cable Type	D302 Standard (Other Cables Available)

Antenna Measurement Conditions

Mounted on Dunkin Device

Measured in Certified CTIA 3D Anechoic Chamber

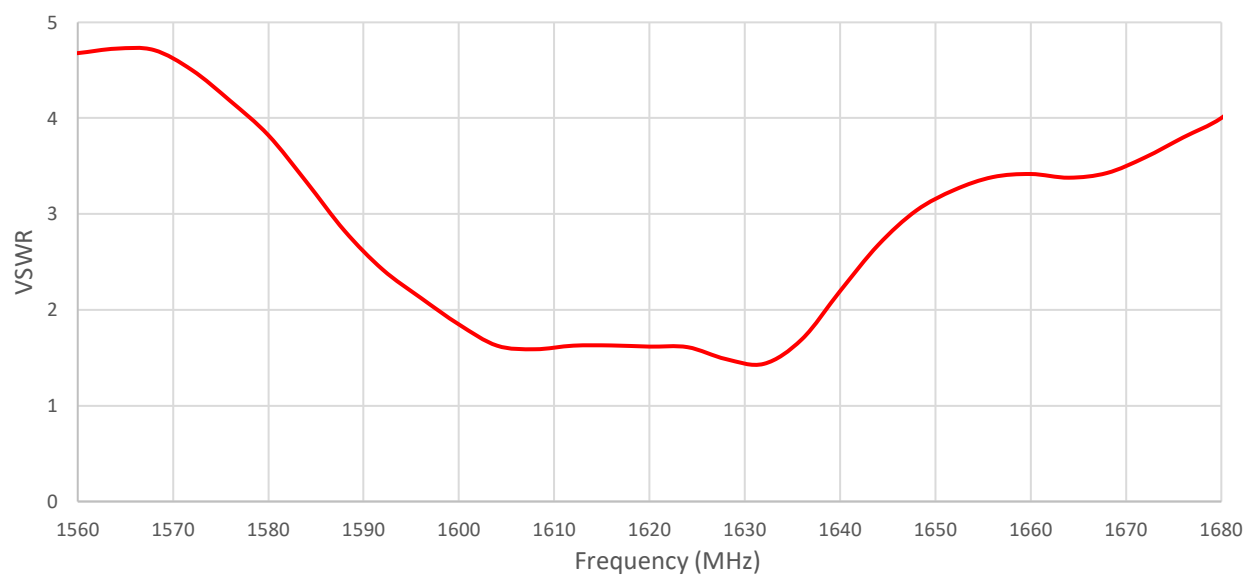
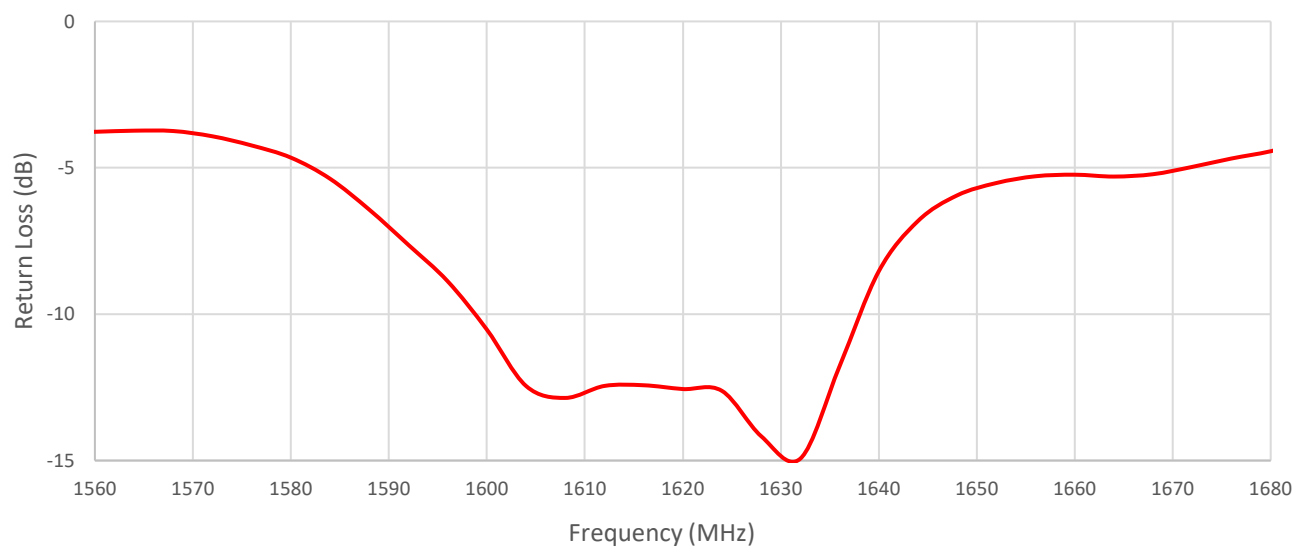
Cable 2	GPS/GLONASS Antenna	
Standards	GPS/QZSS/Galileo	GLONASS
Bands (MHz)	1575	1602
Frequency (MHz)	1575.42	1598-1606
Patch Size (mm)	25 x 25 x 4	
Return Loss (dB)	<=-15.0 dB	
VSWR	<=1.4:1 dB	
Impedance	50	
Radiation Pattern	Hemispherical	
Polarization	RHCP	
Saw Filter	Pre-filter	
Active Gain (dB)	28 @ 2.7 V	
Noise Figure (dB)	1.5 Typ	
Voltage (V)	1.5 – 3.6	
Current (mA)	9 Typ	
Power Consumption (mW)	24.3 Typ	
ESD Protection	2kV	
Connector Type	SMA-Male Standard (Other Connectors Available)	
Cable Length (m)	300 cm Standard (Any Cable Length Available)	
Cable Type	D100 Standard (Other Cables Available)	

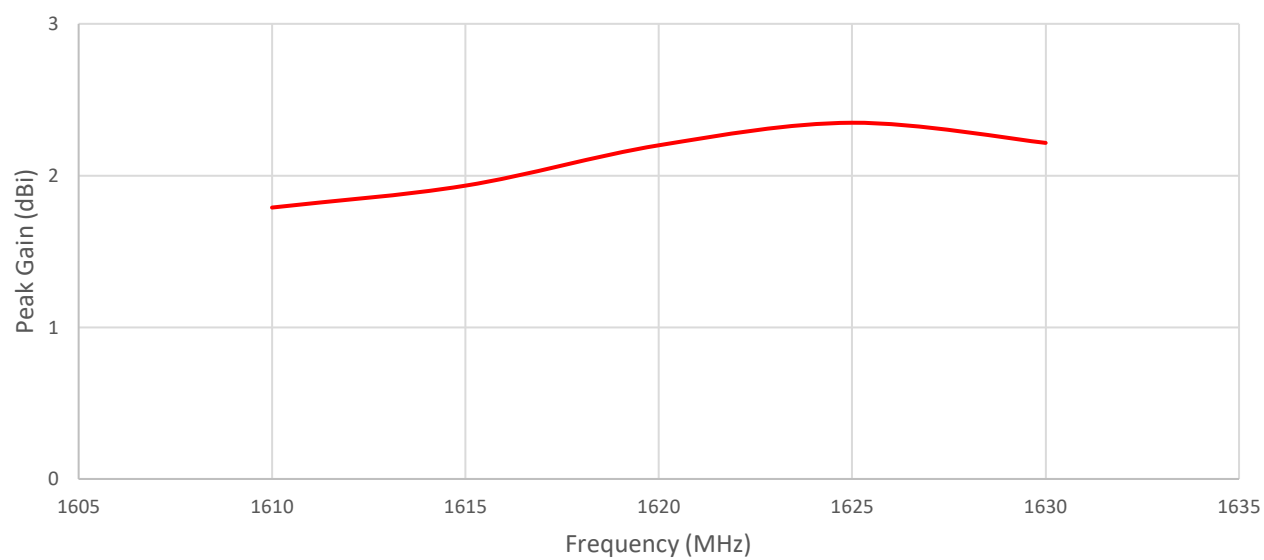
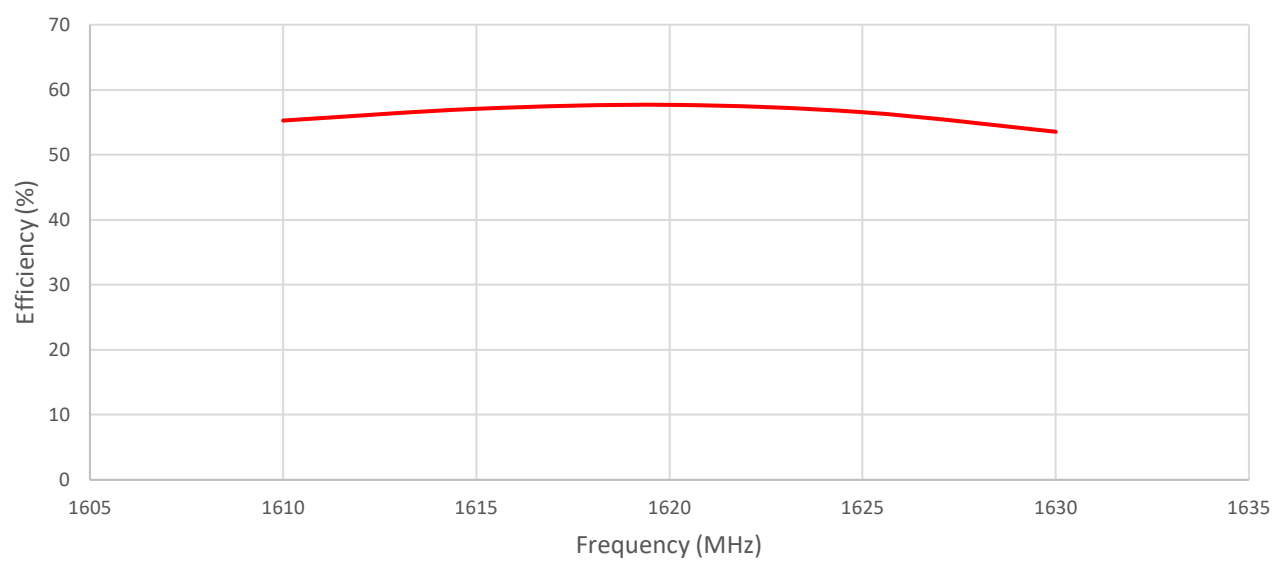
MECHANICAL AND ENVIRONMENTAL SPECIFICATIONS

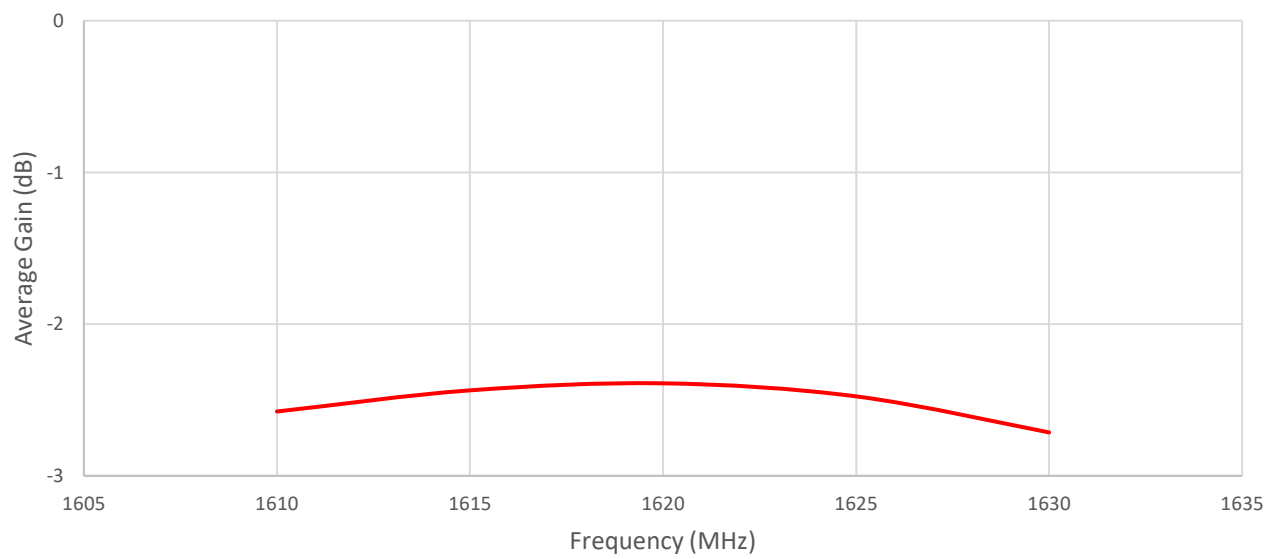
Specification	2J6933MPGFz-300LL100-C43NBST_300D302-C906N_CU017570
Mounting Type	Magnetic/Adhesive Mount
Dimensions (mm)	89 x 76 x 27/30
Radome Type	ABS UV Stable
Radome Color	Black, White
Operating Temperature (C)	-40 to +85
Storage Temperature (C)	-40 to +85
Ingress Protection	IP67, IP69
Substance Compliance	RoHS

ANTENNA PARAMETERS

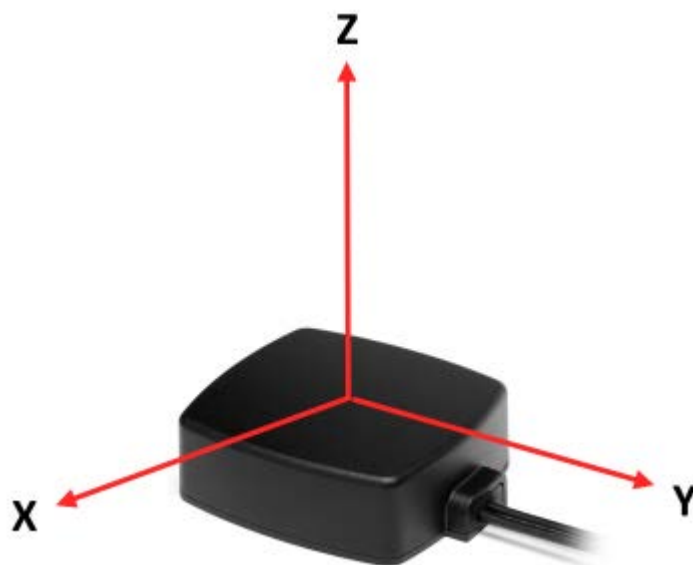
CABLE 1: Iridium





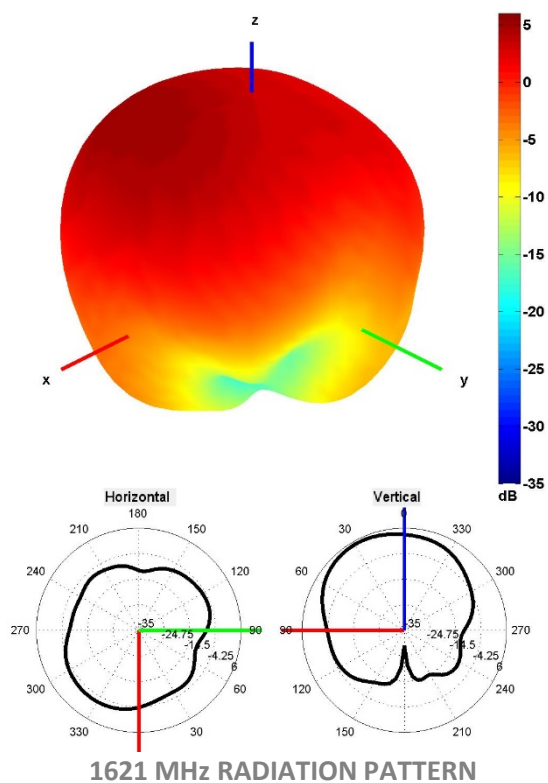


RADIATION PATTERNS



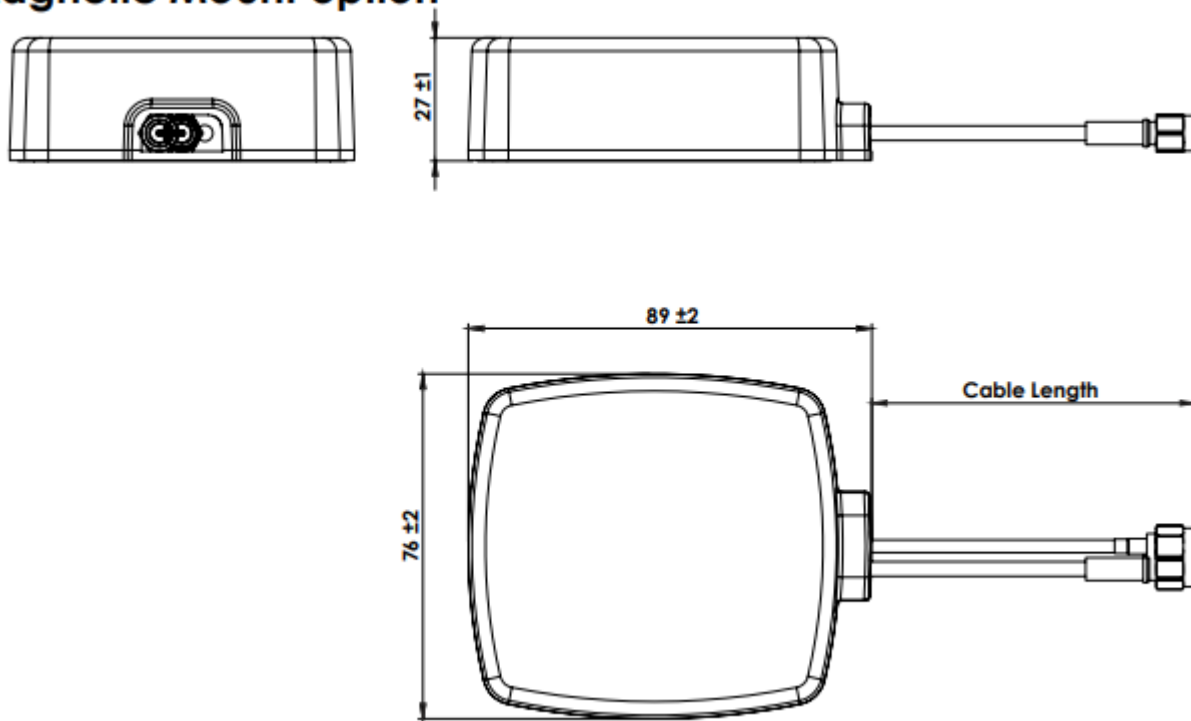
RADIATION PATTERN REFERENCE

CABLE 1: Iridium

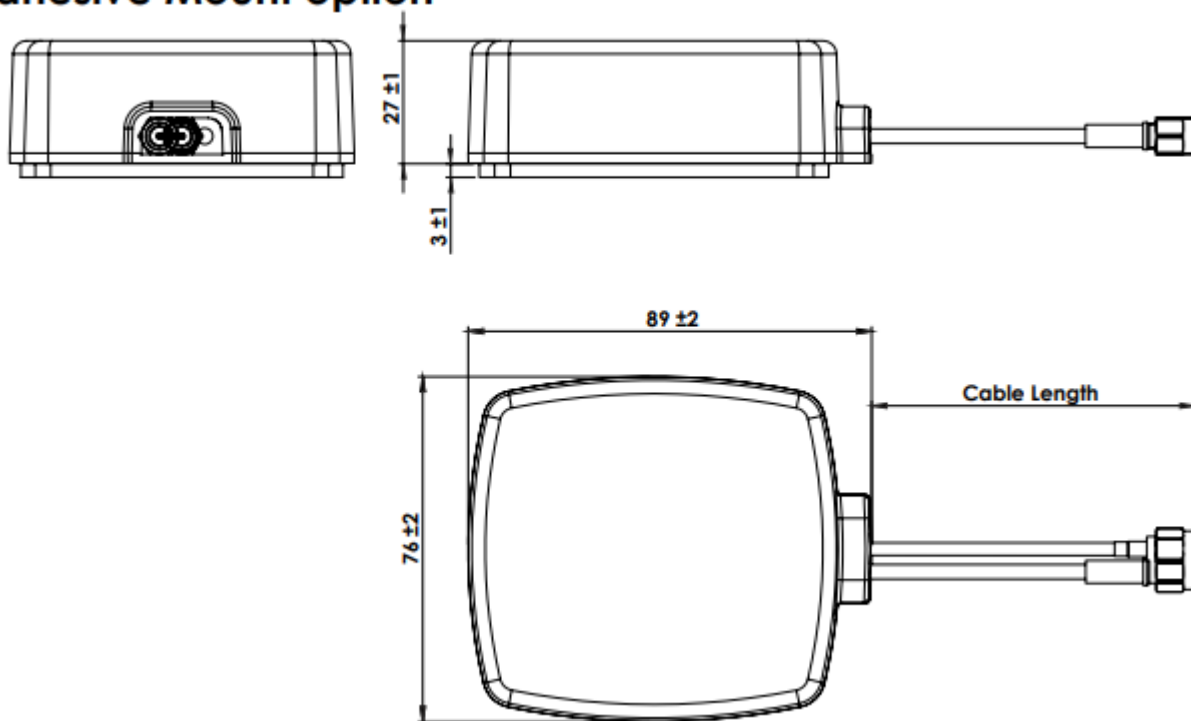


ANTENNA DRAWINGS

Magnetic Mount option



Adhesive Mount option



ANTENNA IMAGES



The Iridium logo, featuring a stylized orange and yellow dot pattern to the left of the text.
iridium
Certified