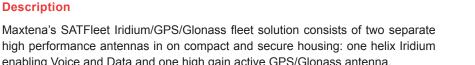


enabling Voice and Data and one high gain active GPS/Glonass antenna.

performance for any telematics and fleet management application.

The solution is designed for reliable Iridium network SBD/RUDICS Voice/Data modem applications and provides superior call/voice quality. The low profile SATFleet is a screw mount antenna with a rugged IP67 rated housing and is ideal for the





most demanding environmental challenges. The antenna provides outstanding



Electrical Specifications

Description

Parameter	Specification	
Frequency	1621 MHz	
Polarization	RHCP	
Beamwidth	120°	
Gain	1.5 dBic (typical) @ broadside	
Axial Ratio	1.5 dB (typical)	
Impedance	50 Ω	

Active GPS/Glonass Antenna

Electrical Specifications

Parameter	Specification
Frequency	1575.42 MHz (GPS) 1602 MHz (Glonass)
Polarization	RHCP
Antenna Element Peak Gain	5.5 dBic
DC voltage	2.5 to 5 V
DC current	7 mA @ 2.5 V / 11 mA @ 3.5 V
Bandwidth (-1dB)	20 MHz
LNA network gain	34 dBi @ 2.5 V / 34 dBi @ 3.5 V
Axial ratio	1.5 dB (typical) / 2.5 dB (max)
VSWR	2 (max)
Impedance	50 Ω

Features

- Superior Iridium Voice/Data performance
- Iridium ground plane independent
- · High performance helix Iridium antenna
- · Active GPS/Glonass antenna

Applications

- · Fleet Management
- · Circuit Switch Data
- Asset Tracking
- · Law Enforcement & Public Safety
- Heavy Machinery
- Oil & Gas

Advantages

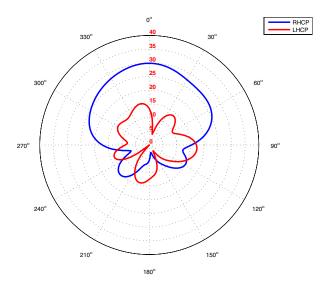
- · Iridium Certified
- · Rugged IP67 housing
- · Low profile with screw mount
- Superb low elevation performance
- · Low weight



Realized Gain Plot (Iridium 1621 MHz)

270° 240° 210° 180°

Realized Gain Plot (GPS 1575.42 MHz)



Mechanical Specification		
Cable type	RG 174 standard - customization on demand	
Cable length	508 mm standard - customization on demand	
Connector	SMA Plug (M) standard - customization on demand	
Operating temp.	from -40°C to 85°C	
Protection class	IP67 and UV Stable	
Weight	117 grams	
Dimensions (w x h x d)	61 x 50 x 116 mm	
Mounting hole diameter	10.5 mm ± 0.2 mm	
Max torque	4 Nm	

