



Helix Antenna for L1/L5/S Band Model No. XT-GNSS-IGATHAV1-22



For more details contact
+91 9500042618
Email: sales@xtragen.in



Product Features:

- IRNSS/GPS (L1/L2/L5) band application
- Simultaneous Multiband coverage
- High Gain and Good Axial Ratio
- Excellent end-of-coverage performance

Technical Specifications:

Electrical Specifications						
Frequency						
GPS	GLONASS	Galileo	BeiDou	SBAS	IRNSS	QZSS
L1/L5	L1	E1/E5a	B1	L1/L5	L5/S	L1/L5
Antenna Gain at Zenith		$\geq 3 \pm 1$ dBic				
Antenna Gain at EOC		$\geq 0 \pm 0.5$ dBic in all azimuth phi-75° from zenith				
Propagation delay between L5 & S		≤ 5 ns				
Polarization		RHCP				
Front to back ratio		≥ 10 dB				
Axial Ratio		< 3 dB in coverage from zenith				
LNA gain		≥ 28 dB +/- 2 dB				
Noise Figure		≤ 2 dB				
Output VSWR		≤ 2.0 within pass-band				
Input Voltage		5V				
Current		< 120 mA				
Out of band Rejection		> 40 dB				
Impedance		50 ohm				

Mechanical Specifications

- Dimensions (D x H) : Dia 60 mm x Height 110 mm
- Connector : SMA (F)
- Operating Temperature : -20° to 80° C
- Mounting : Screw Mounting

Xtragen Technologies Private Limited

Enabling connectivity between Technology & People