

SATCOM –S band Antenna

Model number: XT-SBTXRXAV1-21

The Compact S-band Antenna operates from 2560 to 2690 MHz frequency band which covers SATCOM TX/Rx bands. The wide beamwidth with good roll-off characteristics supports broader lower angle beam coverage. This antenna is placed on a 1.6 mm PCB substrate and a square dual-band antenna for IRNSS L5 and GPS L1 band can be mounted near the S-band antenna as shown.

Technical Specifications

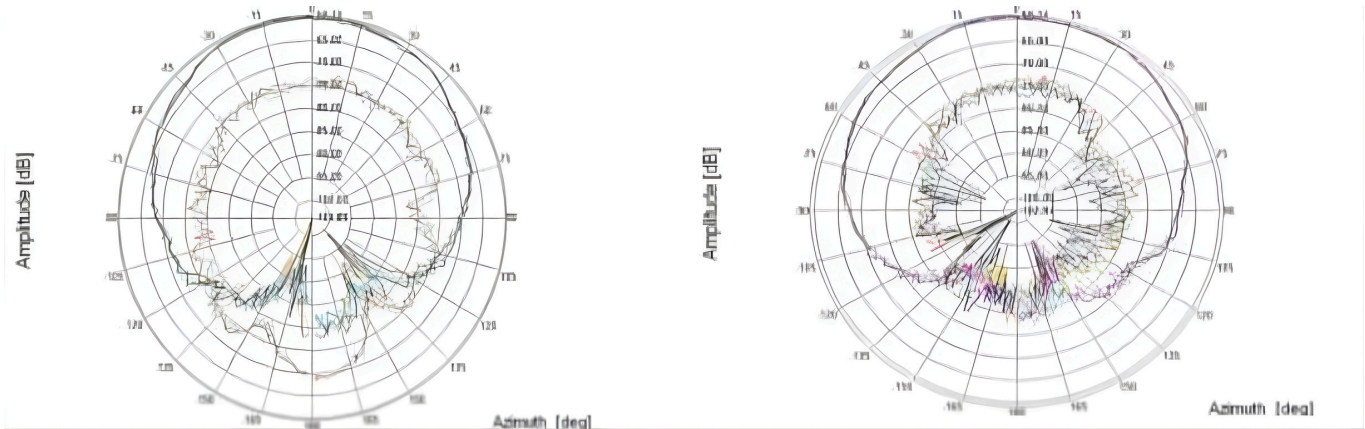
Electrical Specifications

- ✓ Frequencies : 2560 to 2690 MHz
- ✓ Radiation Pattern : Hemispherical
- ✓ Polarization : RHCP
- ✓ VSWR : 1.4:1
- ✓ Antenna Gain : ≥ 4 dBic
- ✓ Axial Ratio : < 3 dB
- ✓ Gain @ ± 45 deg : ≥ 2.5 dBic
- ✓ Impedance : 50 ohm

Mechanical Specifications

- ✓ Operating Temperature : -40° to 85° C
- ✓ Mounting PCB (DxH) : 100 mm x 1.6 mm
- ✓ Weight : < 0.2 KG
- ✓ Connector : SMA/U.FL cable
- ✓ Operating Temperature : -40° to 85° C
- ✓ Mounting : Screw Mounting
- ✓ Mounting Option : IRNSS L5/GPS L1
ceramic patch
antenna (25x25mm)

Receiver Band: 2560 to 2590 MHz



Transmitter Band: 2670 to 2690 MHz

