

DATASHEET MILANT



Figure 1.
Prototype

Active Compact GNSS Antenna for Military and Public Safety Applications

The antenna provides low-noise coverage of the entire GNSS frequency range in L band and efficient suppression of out-of-band interferences. The electrical and mechanical interfaces are compatible with those of most currently used narrowband L1/L2 GPS antennas and can be adjusted in accordance with customer's requirements.

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Technical Data

Parameter	Value
Passband	1160–1300 MHz and 1525–1610 MHz
Polarization	RHCP
Passive zenith gain	L1 & E1 (PRS, 1.55–1.60 GHz): >4 dBic
	L2: >2 dBic
	E6 (PRS, 1.25–1.30 GHz): >2 dBic
Passive horizon gain	>-10 dBic
Axial ratio	<3 dB @ zenith
LNA gain	30 dB
Impedance	50 Ohms
VSWR output connector	<2:1
Supply voltage	+3.3 to +40 VDC @ <50 mA
Lightning protection	DC grounded
Connector	TNC female
Diameter	89 mm
Height (w/o TNC)	25 mm

Table 1.
Specifications

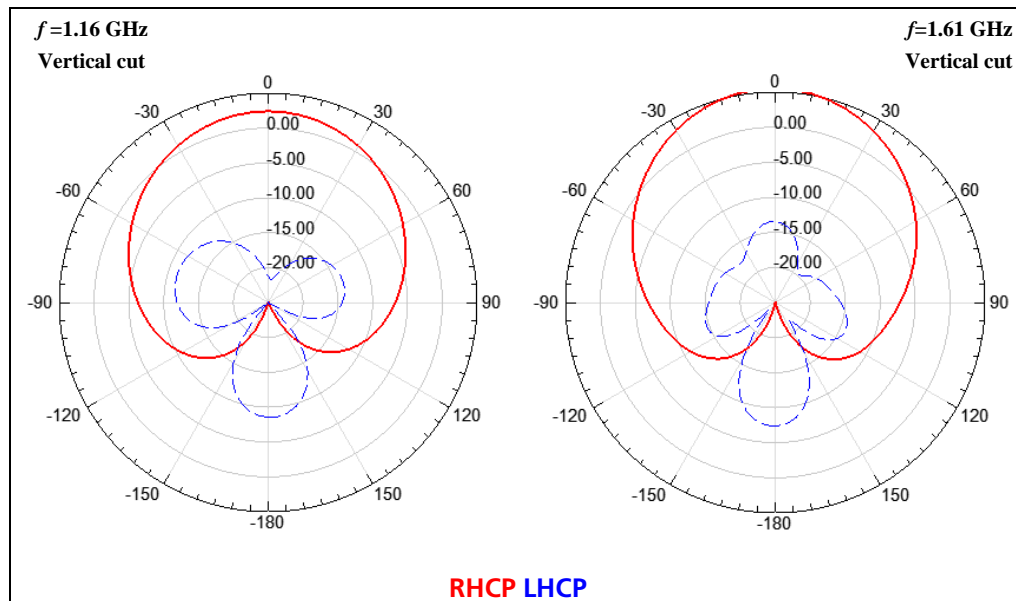


Figure 2.
Simulated Radiation Pattern:
GND Ø 200 mm