

**TENDER NO. KP1/1/3A/4/1/OT/003/24-25**  
**SPECIFICATIONS - GEODETIC ANTENNA**

<b>Geodetic Antenna</b>		
#	Item	Specs
1	Minimum tracking elevation	0 Degrees
2	Practical tracking elevation	<3 Degrees
3	Supported positioning signal bands	L1/L2/L5/G1/G2/G3/E1/E5ab/E6/B1/B2/B3
4	Supported SBAS signal bands	WAAS, EGNOS, QZSS, Gagan, MSAS, OmniSTAR®, RTX™
5	Phase-center accuracy	2 mm or better
6	Phase-center repeatability	<1 mm
7	Maximum phase-center eccentricity	2 mm
8	Antenna gain	50 dB ±2dB
9	LNA features	Trimble's advanced second generation filtering to reduce interference by nearband transmitters
10	LNA signal margin	13 dB
11	Supply voltage	3.5 V DC to 20 V DC
12	Supply current (maximum)	125 mA
13	Power consumption (maximum)	440 mW – 700 mW
14	Dimensions	34.3 cm diameter x 9.3 cm height 13.5 in diameter x 3.66 in height
15	Weight	1.36 kg (3 lb)
16	Element type	Dual four-point-feed patch
17	Polarization	Enhanced right-hand circular
18	Axial ratio	2 dB at Zenith
19	Voltage Standing Wave Ratio	2.0 maximum
20	Left-hand circular polarization (LHCP)	20 dB minimum
21	RoHS compliant	Yes
22	Multipath mitigation technologies	LHCP rejection and resistive ground plane
23	Ground plane design	Trimble Stealth resistive
24	Coaxial connector	TNC Female
25	External radome	46291-00 available
26	Shock rating	2 m (6.56 ft) drop
27	Vibration rating	MIL-STD-810-F on each axis
28	Humidity	100% humidity proof, fully sealed
29	Temperature Operating Storage	-55 °C to +85 °C (-67 °F to 185 °F) -55 °C to +85 °C (-67 °F to 185 °F)
30	Mounting thread	5/8"-11 Female