

RV-SC-MIMO-GPS

Vehicular Antenna

The RAMI RV-SC-MIMO-GPS is a MIMO 4G LTE and 5G vehicular antenna with GPS. The low profile antenna is meant to be mounted on the roof of a vehicle and an integrated gasket provides protection from water ingress around the antenna. The cables exit the antenna through a single threaded opening with a slotted nut. Four, 1-inch mounting studs are used to hold the antenna securely to the vehicle.

Product Specifications

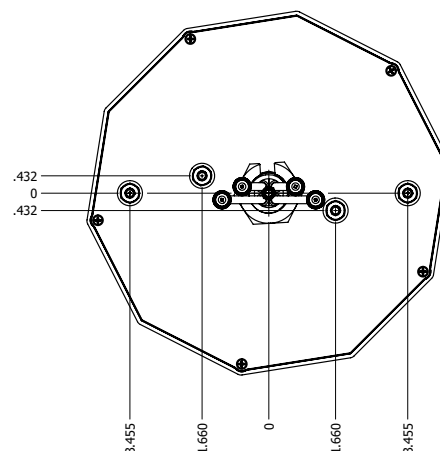
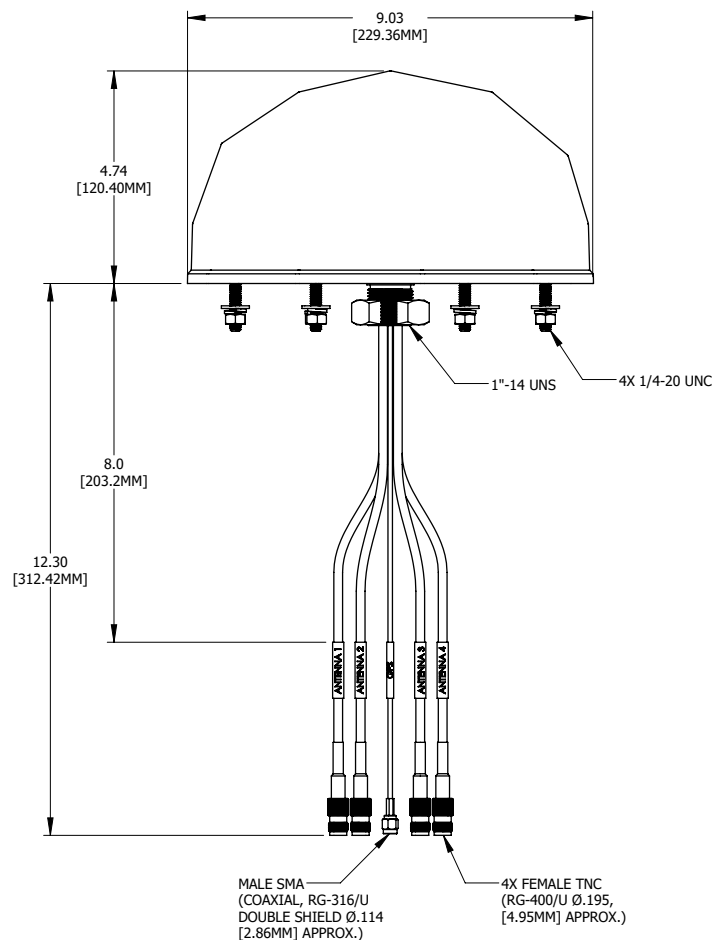
Application	4G LTE & 5G MIMO and GPS Navigation
Frequency	698 - 3800 MHz L1: 1575.42 +/- 2 MHz L2: 1227.6 +/- 2 MHz L5: 1176.45 +/- 2 MHz
Impedance	50 Ohms Nominal
VSWR	698-1000 MHz: <3.0:1 1710-2900 MHz: <2.5:1 3300-3800 MHz: <2.5:1 GPS: 1.5:1 Max
Polarization	Vertical: 698-3800 MHz Right Hand Circular: L1, L2, & L5
RF Power Handling	TBD
Connectors	Ant 1: TNC Female Ant 2: TNC Female Ant 3: TNC Female Ant 4: TNC Female GPS: SMA Male
Gain Coverage at Horizon	698-1000 MHz: -1 to +1 dBi 1710-2900 MHz: -2 to +2 dBi on 4-foot diameter ground plane 3300-3800 MHz: -3 to +3 dBi
GPS Gain	L1, L2, L5 GPS: 28 dB at 3 VDC

Mechanical Specifications

Max. Height	4.75"	120.65 mm
Max. Weight	4.8 lbs	2.18 kg

Available Colors

RV-SC-MIMO-GPS-S1	Sand (#33717)
RV-SC-MIMO-GPS-S	CARC Sand
RV-SC-MIMO-GPS-B	CARC Black
RV-SC-MIMO-GPS-B1	Black MIL-PRF-85285 #37038
RV-SC-MIMO-GPS-T	CARC Tan
RV-SC-MIMO-GPS-G	CARC Green



ENVIRONMENTAL SPECIFICATIONS

Per MIL-STD-810G
(unless otherwise noted)

Humidity	Method 507.5 Proc. II	Rain	Method 506.4 Proc. II
Salt Fog	Method 509.5	Sand and Dust	Method 510.5 Proc. I