

RM2x-XXXX

MIMO LTE, MIMO Wi-Fi and GNSS

Vehicular Antenna with Mag or Direct Mount



Features:

- 2 x Wideband Cellular/LTE Elements (MIMO)
- 2 x 2.4 & 4.9-6 GHz Wi-Fi Element (MIMO)
- 1 x GNSS Antenna
- Leading LTE performance while in coexistence with multiple other embedded antenna technologies
- Lower profile and smaller footprint than competing solutions
- Must be mounted on metal
- Direct Mount, Adhesive Mount, and Magnetic Mount available
- Available in black or white



Magnetic Mount



Direct Mount

RM2D-xxxx

MIMO LTE, MIMO Wi-Fi and GNSS

Vehicular Antenna with Mag or Direct Mount



Electrical Specifications

Frequency 1	1550-1610 MHz
Frequency 2	698-960 MHz
Frequency 3	1710-2700 MHz
Frequency 4	2.4 GHz
Frequency 5	4.9-6.0 GHz
Gain 1	30.5 dBi
Gain 2	3.0 dBi
Gain 3	6.0 dBi
Gain 4	6.5 dBi
Gain 5	4.2 dBi
Impedance	50 Ohms
Isolation	Elements 2&3: >10 dB Elements 4&5: >30 dB
Correlation Co-efficient	Elements 2&3: <0.1

Environmental Specifications

Hazardous Substances	RoHS Compliant
Operating Temperature [°C]	-40 to 65
Storage Temperature [°C]	-40 to 65
Environmental Rating	IP67
Military Specs	MIL-STD 810 conformance to vibration

Mechanical Specifications

Height	2.06" (52.32 mm)
Width	2.56" (65.02 mm)
Length	4.84" (122.92 mm)
Cable Type	CFD195 Low Loss
Cable Length	See Below

RM2D-xxxx

MIMO LTE, MIMO Wi-Fi and GNSS
 Vehicular Antenna with Mag or Direct Mount



SKU	# of LTE	# of WiFi	# of GPS	Mount
RM2D-G44WW-15-SSRR-B	2x, SMA-Male	2x, RP SMA-Male	1x, SMA-Male	Direct Mount
RM2M-G44WW-15-SSRR-B	2x, SMA-Male	2x, RP SMA-Male	1x, SMA-Male	Magnetic Mount
RM2D-44-35-SS-B	2x, SMA-Male	N/A	N/A	Direct Mount
RM2A-G4-14-SS-B	1x, SMA-Male	N/A	1x, SMA-Male	Adhesive Mount

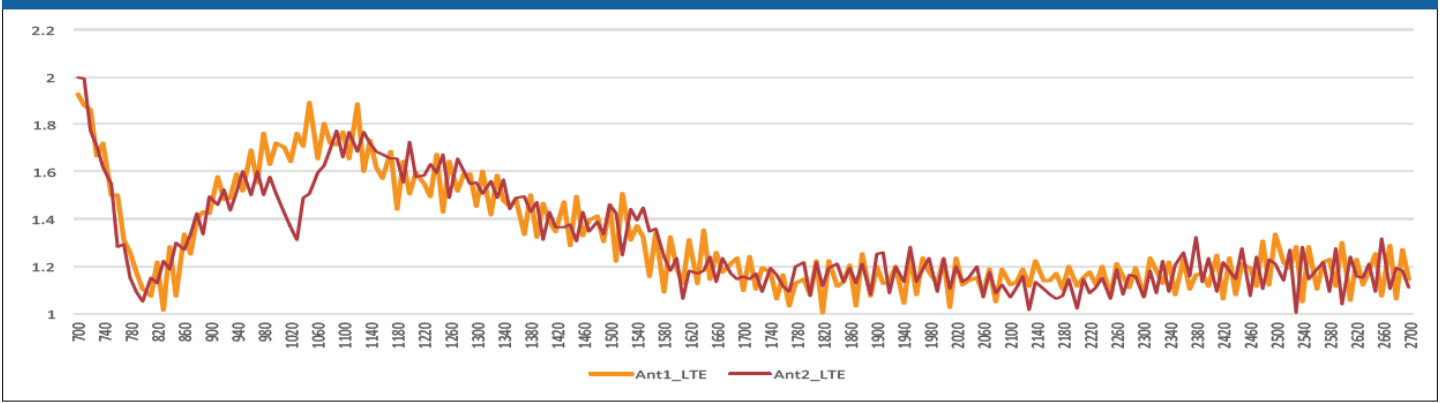


SMA-Male

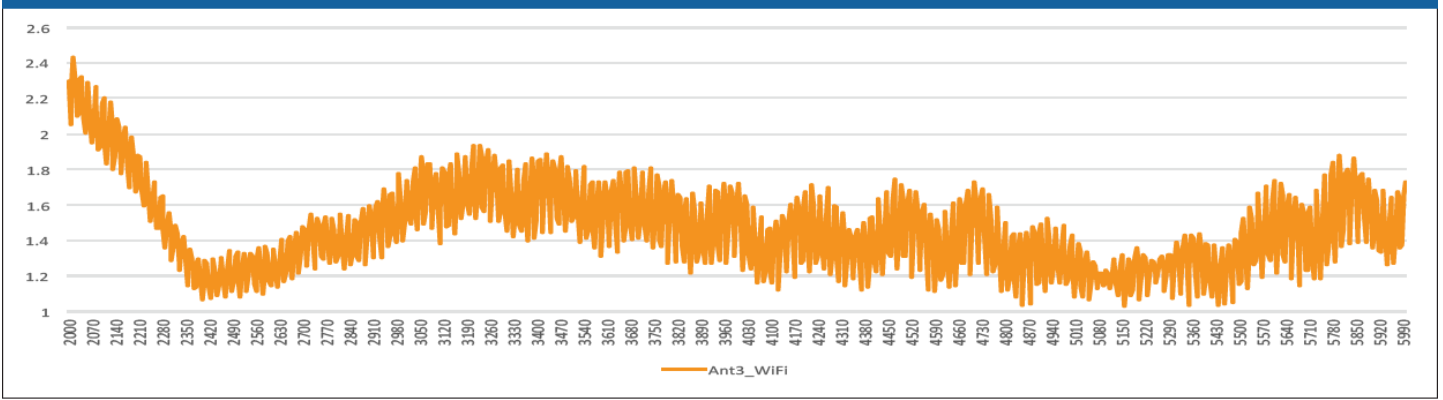


RP SMA-Male

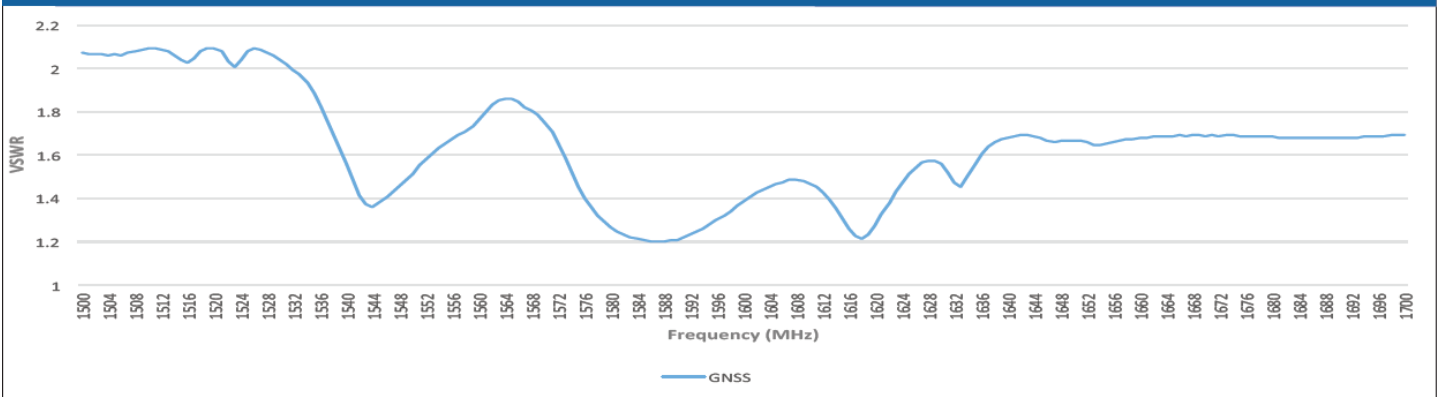
VSWR of LTE Antennas



VSWR of WiFi Antenna



VSWR of GNSS Antenna



Isolation of LTE Antennas

