

# COMBO MIMO MOBILE/GNSS/WIFI ROOF SMA ANTENNA



## Mechanical/Environmental

Mounting method	Screw
Radome ingress protection rating	IP67 (exclude cable outlet)
Radome material	ABS
Housing dimensions	Ø 110 x 55 mm
Cable	5x RG174, 3000 mm
Operating temperature	- 40 ~ +85 °C
Weight	535 ± 10 g
UV resistance	✓
RoHS Compliant	✓

## LTE MIMO antenna

Frequency Range	698 – 960, 1710 – 2690 MHz
Polarization	Linear
Gain	3.0 dBi
V.S.W.R	≤3.0
Impedance	50 Ω
Connector type and count	2x SMA Male

**GNSS antenna**

Frequency range	1575.42 – 1610 MHz
Polarization	RHCP
LNA Gain	28 ± 2 dB
LNA noise figure	≤1.5 dB
V.S.W.R	≤2.0
Impedance	50 Ω
Supply voltage	3 – 5 VDC
Current consumption	< 15 mA
Connector type and count	SMA Male

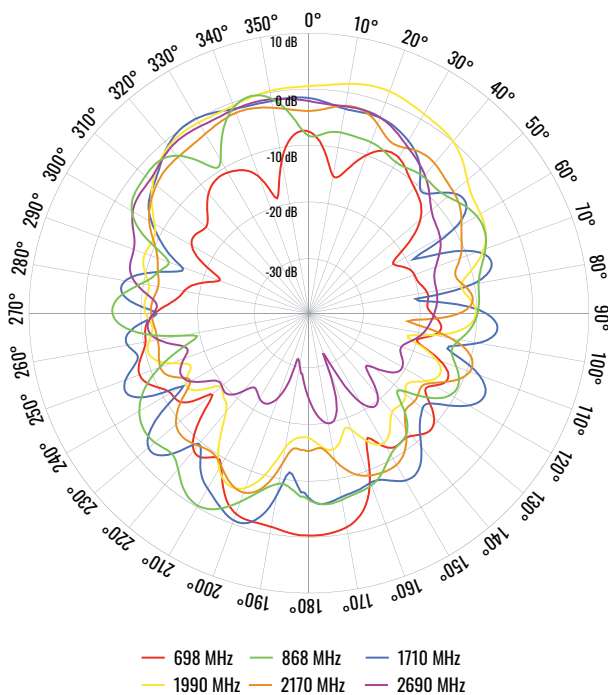
**Wi-Fi MIMO antenna**

Frequency range	2400 - 2483.5 / 4900 - 5925 MHz
Polarization	Linear
Gain	2.0 dBi
V.S.W.R	≤2.5
Impedance	50 Ω
Connector type and count	2x RP-SMA Male

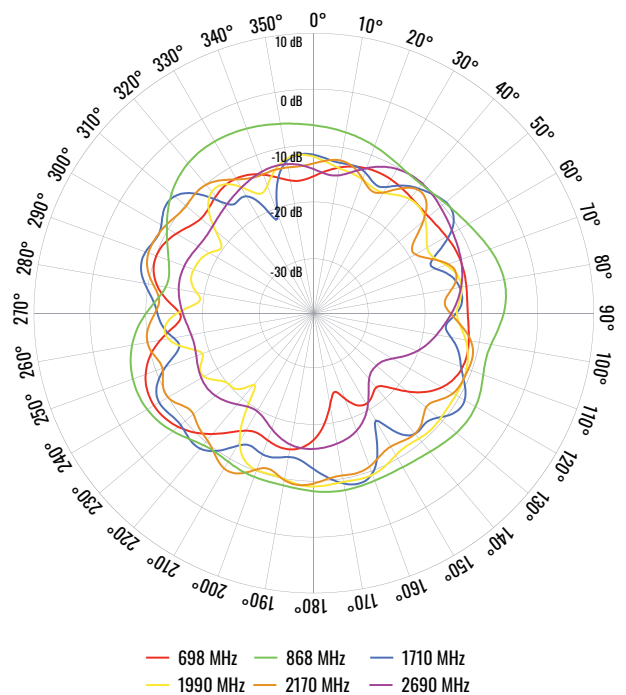
**Radiation patterns**

**Mobile - 1 Antenna**

**ELEVATION**



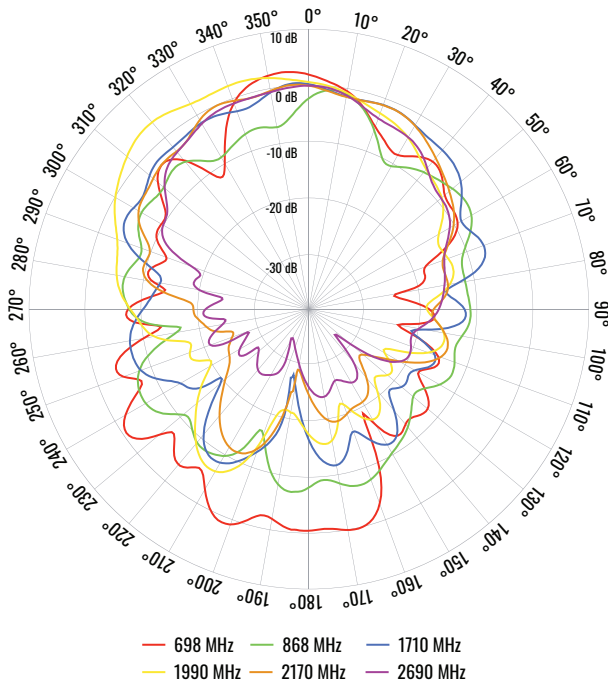
**AZIMUTH**



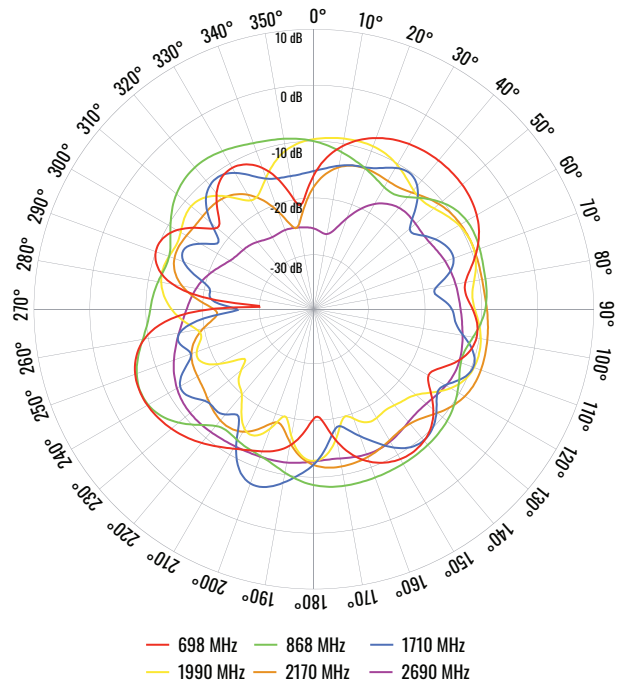
Radiation patterns

**Mobile - 2 Antenna**

ELEVATION

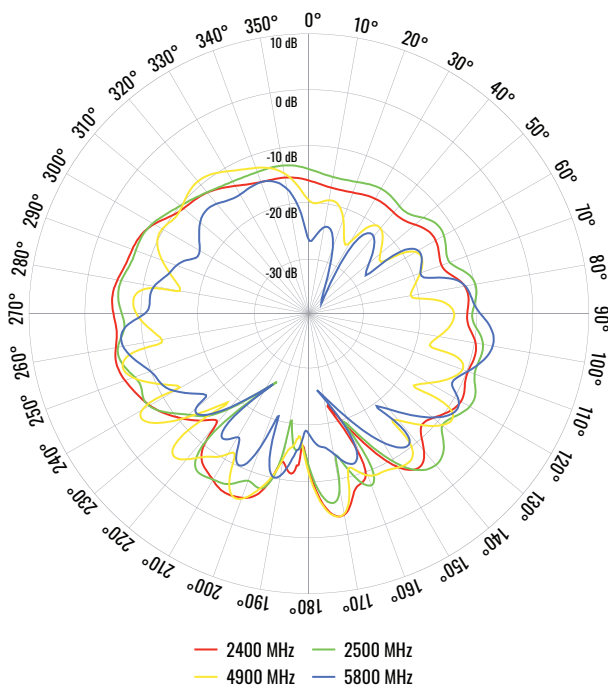


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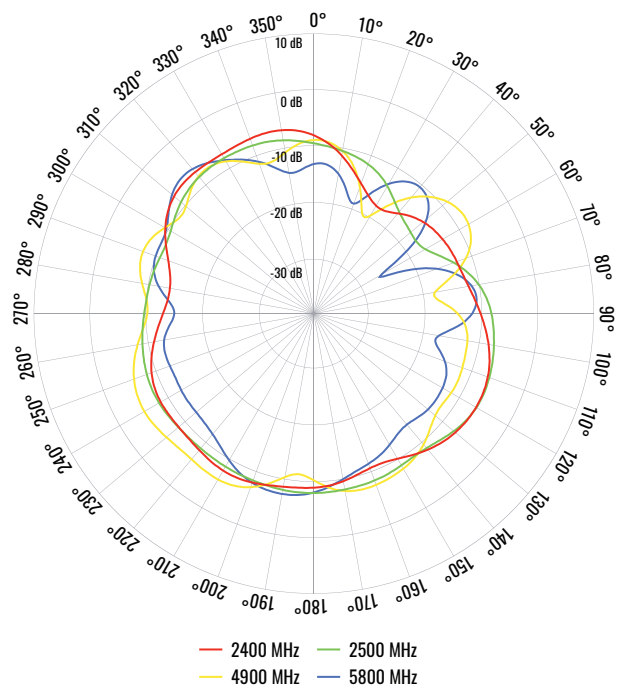


**Wi-Fi - 1 Antenna**

ELEVATION



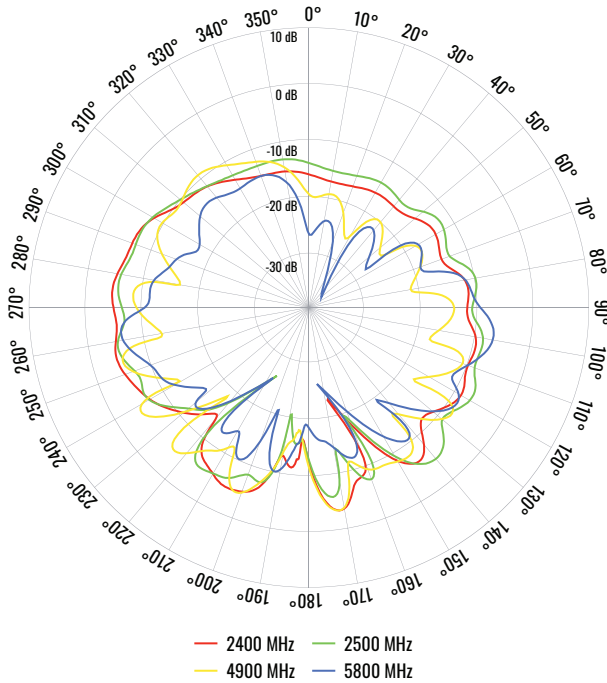
AZIMUTH



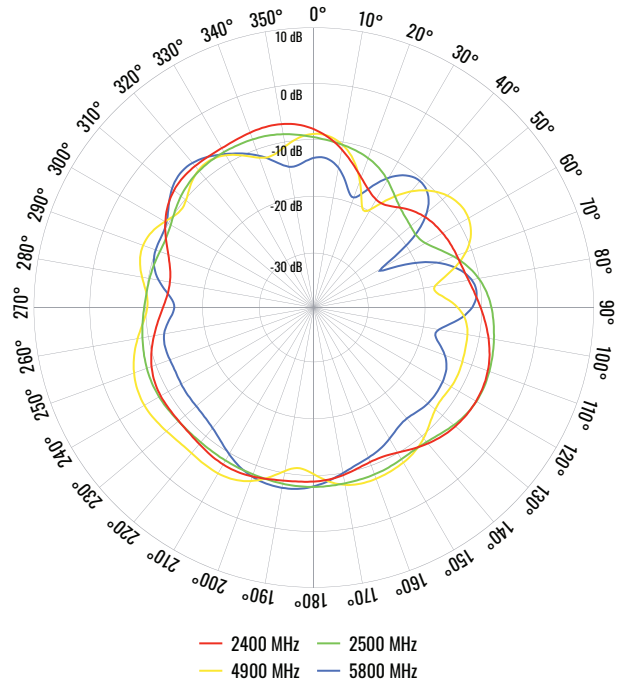
Radiation patterns

Wi-Fi - 2 Antenna

ELEVATION

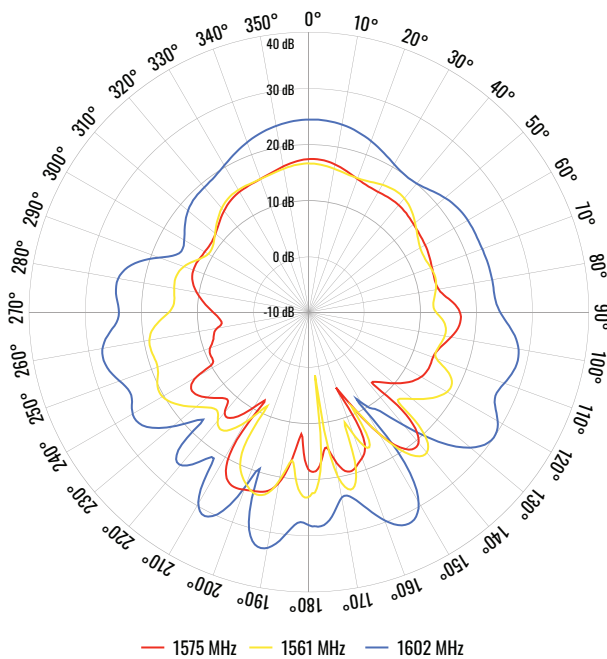


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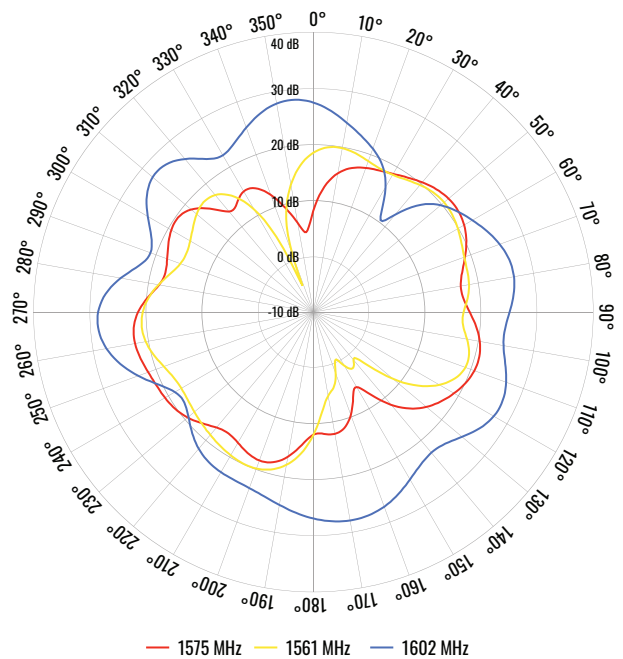


GNSS - Antenna

ELEVATION



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Spatial measurements

