

# 5G COMBO MIMO MOBILE/GNSS/WI-FI ROOF SMA ANTENNA



## Mechanical/Environmental

|                                  |                                       |
|----------------------------------|---------------------------------------|
| Mounting method                  | Screw                                 |
| Radome ingress protection rating | IP67 (exclude cable outlet)           |
| Radome material                  | UV-Resistant ABS/PC                   |
| Weight                           | 960 ± 30 g                            |
| Housing dimensions               | 189 x 182 x 85 mm                     |
| Cable                            | 7 x LMR100, 3000 mm                   |
| Recommended mounting dimensions  | Hole ø28 mm, panel thickness MAX 8 mm |
| Operating temperature            | -40 °C - +85 °C                       |
| RoHS Compliant                   | ✓                                     |

## 5G mobile MIMO antenna

|                          |   |
|--------------------------|---|
| Frequency Range          | 617 - 960 / 1710 - 2690 / 2900 - 4200 MHz |
| Polarization             | Linear                                    |
| Gain                     | 4.0 dBi                                   |
| V.S.W.R                  | ≤3.0                                      |
| Impedance                | 50 Ω                                      |
| Connector type and count | 4x SMA Male                               |

**GNSS antenna**

|                          |                               |
|--------------------------|-------------------------------|
| Frequency range          | 1164 - 1300 / 1559 - 1610 MHz |
| Polarization             | RHCP                          |
| Supply voltage           | 3 - 12 VDC                    |
| LNA Gain                 | 40 ± 2 dB                     |
| V.S.W.R                  | ≤2.0                          |
| Impedance                | 50 Ω                          |
| Current Consumption      | ≤60 mA                        |
| Connector type and count | SMA Male                      |

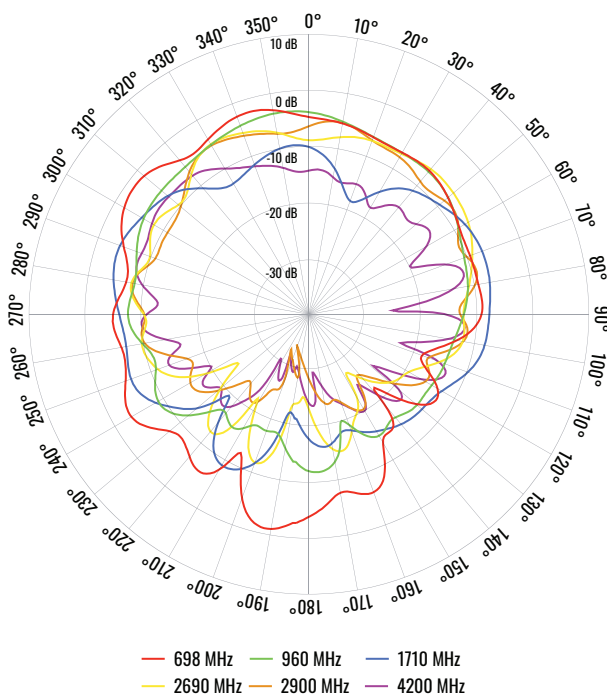
**Wi-Fi MIMO antenna**

|                          |                                 |
|--------------------------|---------------------------------|
| Frequency range          | 2400 - 2483.5 / 4900 - 5925 MHz |
| Polarization             | Linear                          |
| Gain                     | 4.0 dBi                         |
| V.S.W.R                  | ≤2.5                            |
| Impedance                | 50 Ω                            |
| Connector type and count | 2x RP SMA Male                  |

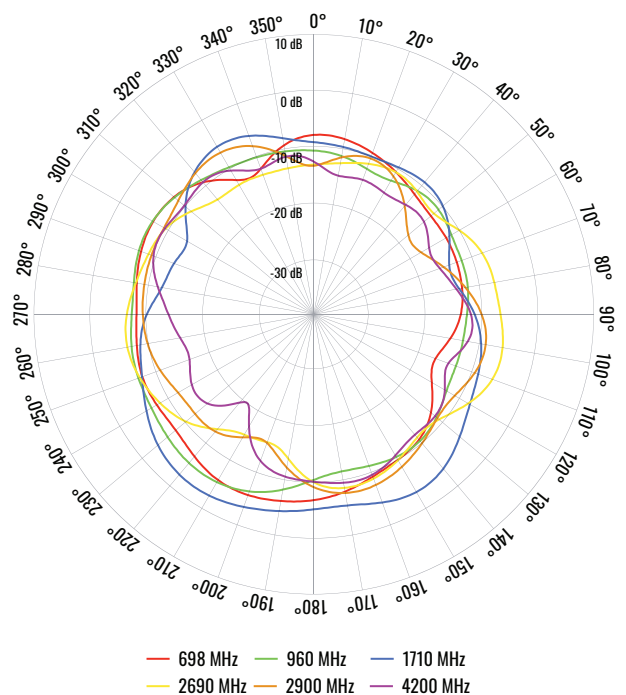
**Radiation patterns**

**Mobile - 1 Antenna**

**ELEVATION**



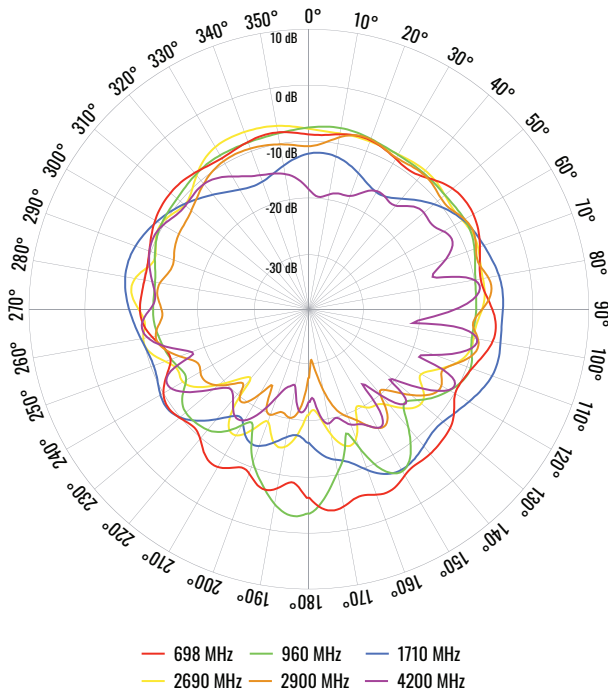
**AZIMUTH**



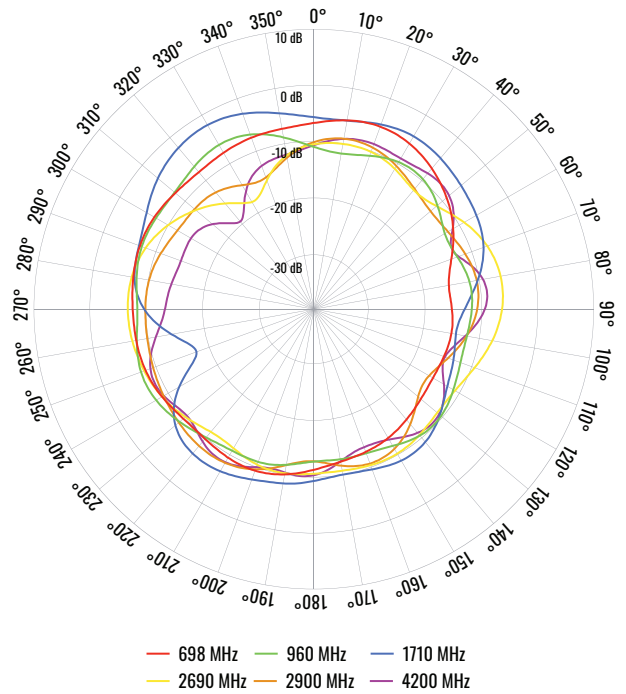
Radiation patterns

Mobile - 2 Antenna

ELEVATION

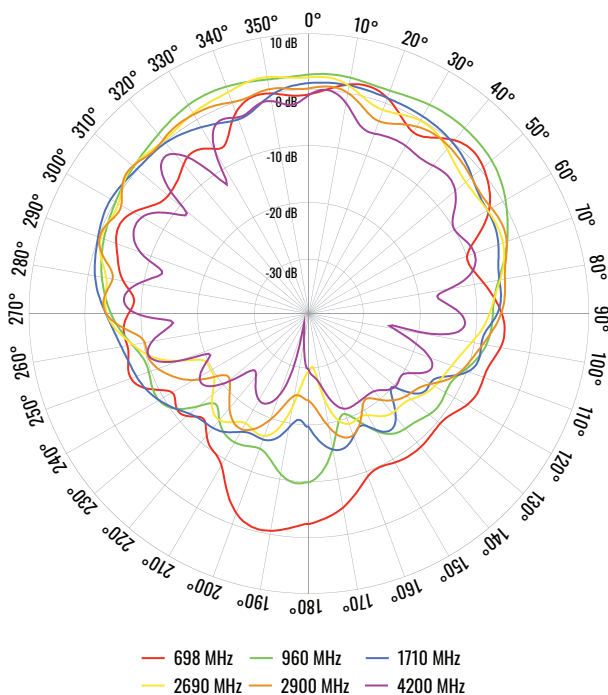


AZIMUTH

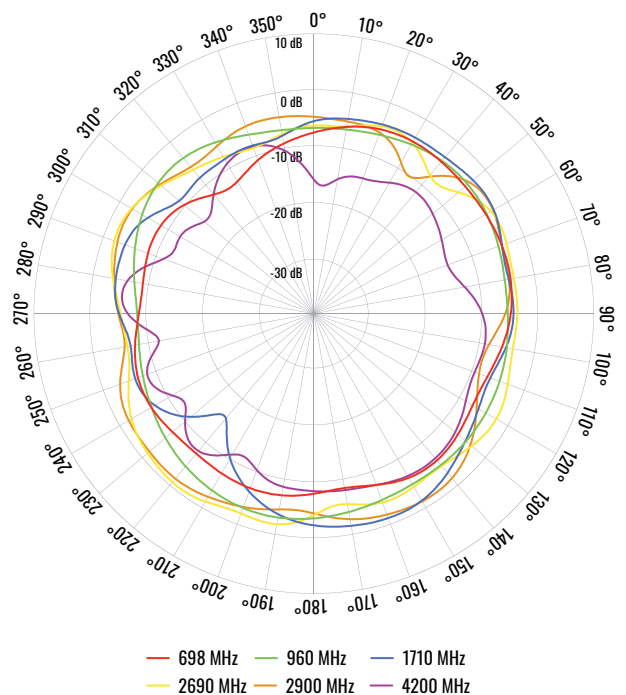


Mobile - 3 Antenna

ELEVATION



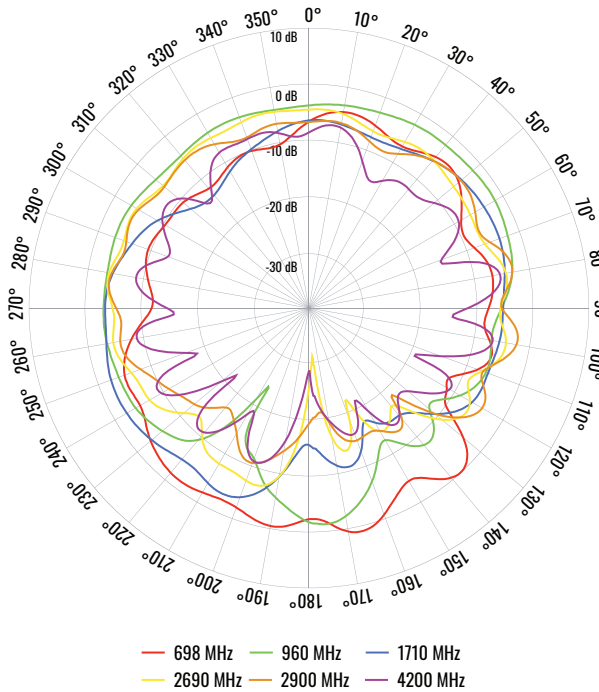
AZIMUTH



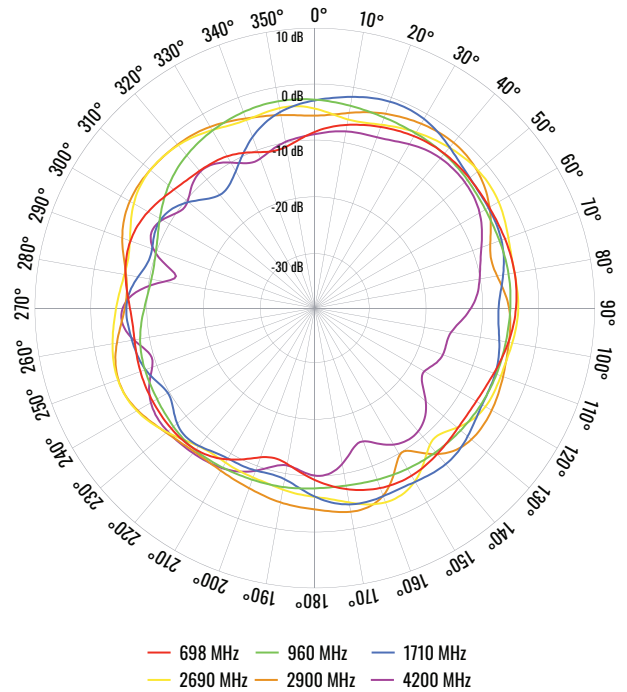
Radiation patterns

Mobile - 4 Antenna

ELEVATION

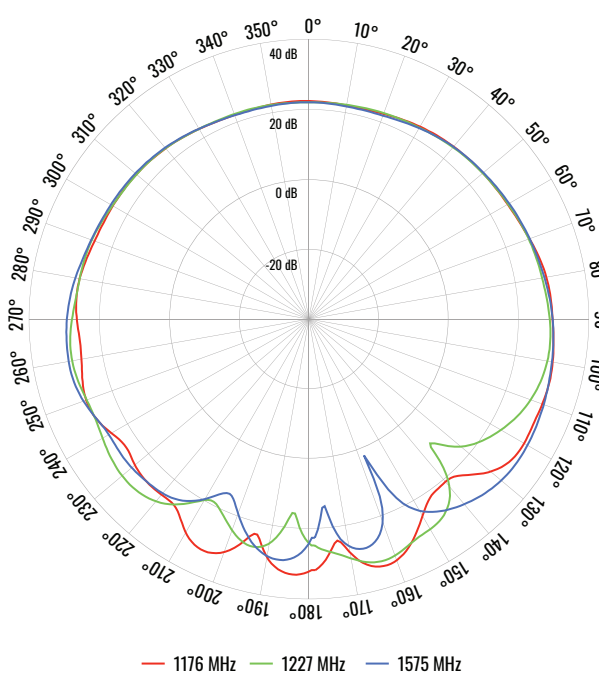


AZIMUTH

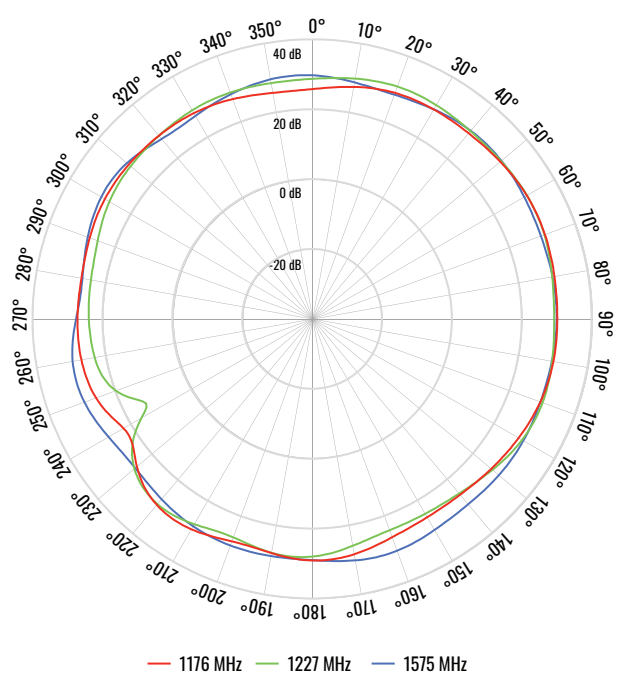


GNSS - 1 Antenna

ELEVATION



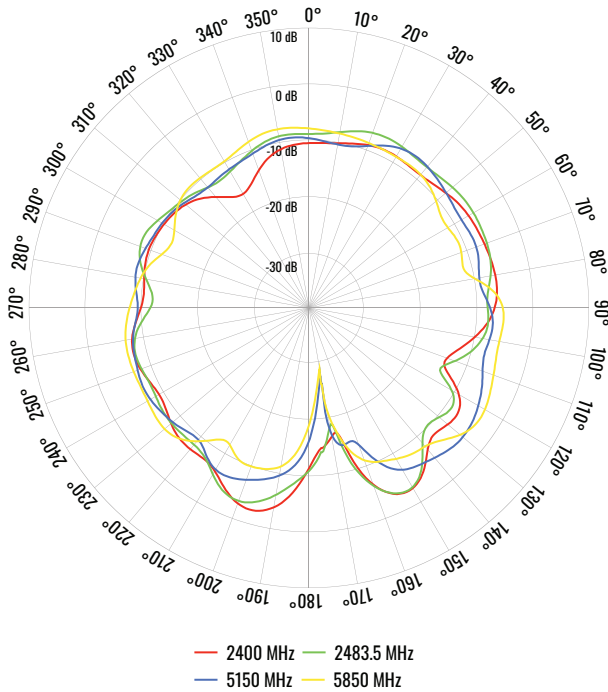
AZIMUTH



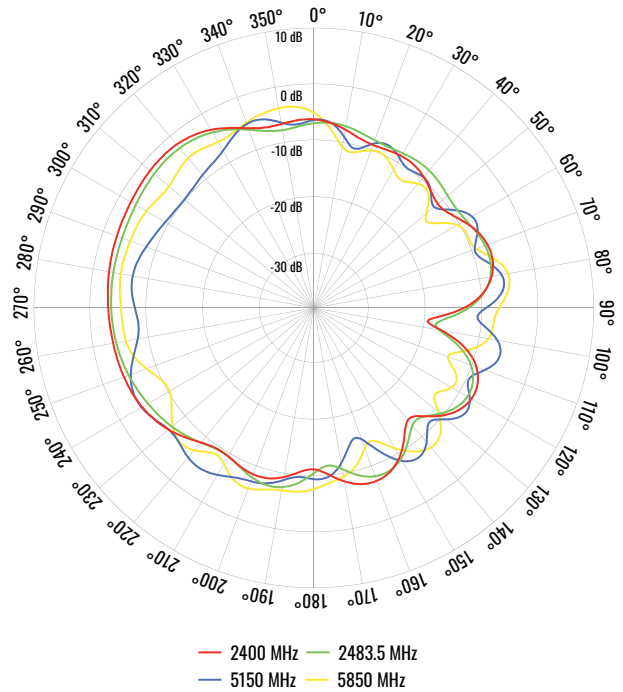
Radiation patterns

**Wi-Fi - 1 Antenna**

ELEVATION

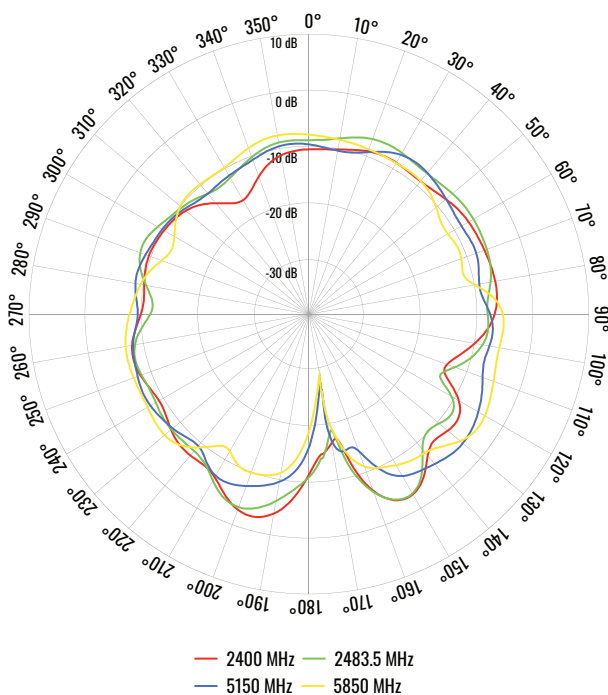


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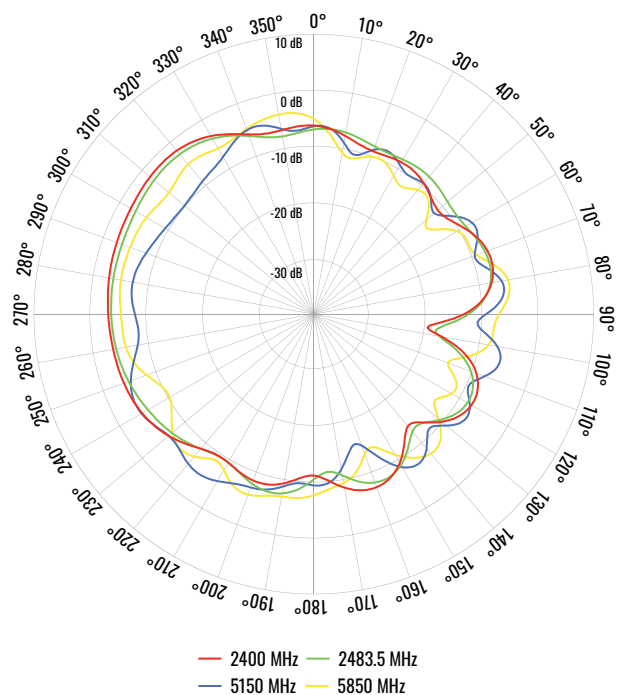


**Wi-Fi - 2 Antenna**

ELEVATION



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### Spatial measurements

