

QuPanel 5G/LTE MIMO 4x4 TS9

Directional High Power multiband 5G/LTE MIMO 4x4 antenna for 5GEE router

QuPanel 5G/LTE for 5GEE directional, MIMO 4x4, high gain antenna is predicted for 5G and 4G LTE mainly, but is compatible with 3G and 2G as well. The antenna improves the signal in rural/suburban and locations where the mobile signal is weak. That antenna is predicted to be installed on the buildings (on the pole or on the wall). Due to very wide working frequency range, the antenna is universal client for 5G bands n77, n78 and LTE bands like LTE700 / 800 / 1800 / 1900 / 2100 / 2300 / 2600 / 3400 / 3800. It's compatible with 5GEE Smart 5G Hub and other MIMO 4x4, 5G routers.

Antenna comes with SMA connectors and SMA to TS9 adapters.

5G**4x4 MIMO****694-3800MHz****7 dBi****DIRECTIONAL****IP 67****-40° TO +80°**

OUTDOOR ANTENNA WORKS IN ANY WEATHER CONDITIONS, IP67



MOUNTING SYSTEM WITH TWO PLANES, 60 DEGREES REGULATION



FOUR TS9 ADAPTERS



7.5 DBI GAIN



70° BEAMWIDTH



MADE IN EUROPE



5G / LTE ANTENNA SPECIFICATION

| | |
|---------------------|---|
| FREQUENCY | 694 - 960 MHz 1.7 - 2.2 GHz 2.2 - 2.7 GHz 3.3 - 3.8 GHz |
| GAIN | 694 - 960 MHz : 7 dBi 1.7 - 2.2 GHz : 7 dBi 2.2 - 2.7 GHz : 7.5 dBi 3.3 - 3.8 GHz : 5.5 dBi |
| SUPPORTED LTE BANDS | 1, 2, 3, 4, 5, 7, 8, 9, 10, 12, 13, 14, 17, 18, 19, 20, 22, 25, 26, 27, 28, 29, 30, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 48, 49, 52, 53, 65, 66, 67, 68, 69, 85, 103, 106 |
| SUPPORTED 5G BANDS | n1, n2, n3, n5, n7, n8, n12, n13, n14, n18, n20, n25, n26, n28, n29, n30, n34, n38, n39, n40, n41, n48, n53, n65, n66, n67, n78, n80, n81, n82, n83, n84, n85, n86, n89, n90, n95, n97, n98, n100, n101, n256 |
| VSWR | <1.70, max <2.00 |
| BEAMWIDTH | 70°/70° ±15° |
| POLARIZATION | Dual polarized X-Pol |
| IMPEDANCE | 50 Ω |
| FRONT-TO-BACK | 694 - 960 MHz : >10 dB 1.7 - 2.2 GHz : >12 dB 2.2 - 2.7 GHz : >14 dB 3.3 - 3.8 GHz : >17 dB |

MECHANICAL SPECIFICATION

| | |
|-----------------------|--|
| MATERIALS | ABS, aluminum, PTFE, Fiberglass |
| CONNECTOR TYPE | 4x SMA plug |
| INGRESS PROTECTION | IP67 |
| DIMENSIONS | 392 x 392 x 99 mm 15.43 x 15.43 x 3.90 inch |
| WEIGHT | 3.7 kg 8.16 lbs |
| OPERATING TEMPERATURE | From -40°C to 80°C From -40°F to 176°F |
| CABLE LENGTH | 5m (P/N: AP5G4) or 10m (P/N: AP5G4-1) |
| CABLE TYPE | LMR195 white |
| MAST DIAMETER | 25-60mm 0.98-2.36 inch |

FREQUENCY BANDS

LTE / 4G

694
MHz

| | | | | | | |
|----|----|----|-----|-----|----|----|
| 1 | 2 | 3 | 4 | 5 | 7 | 8 |
| 9 | 10 | 12 | 13 | 14 | 17 | 18 |
| 19 | 20 | 22 | 25 | 26 | 27 | 28 |
| 29 | 30 | 33 | 34 | 35 | 36 | 37 |
| 38 | 39 | 40 | 41 | 42 | 43 | 44 |
| 48 | 49 | 52 | 53 | 65 | 66 | 67 |
| 68 | 69 | 85 | 103 | 106 | | |

3800
MHz

5G

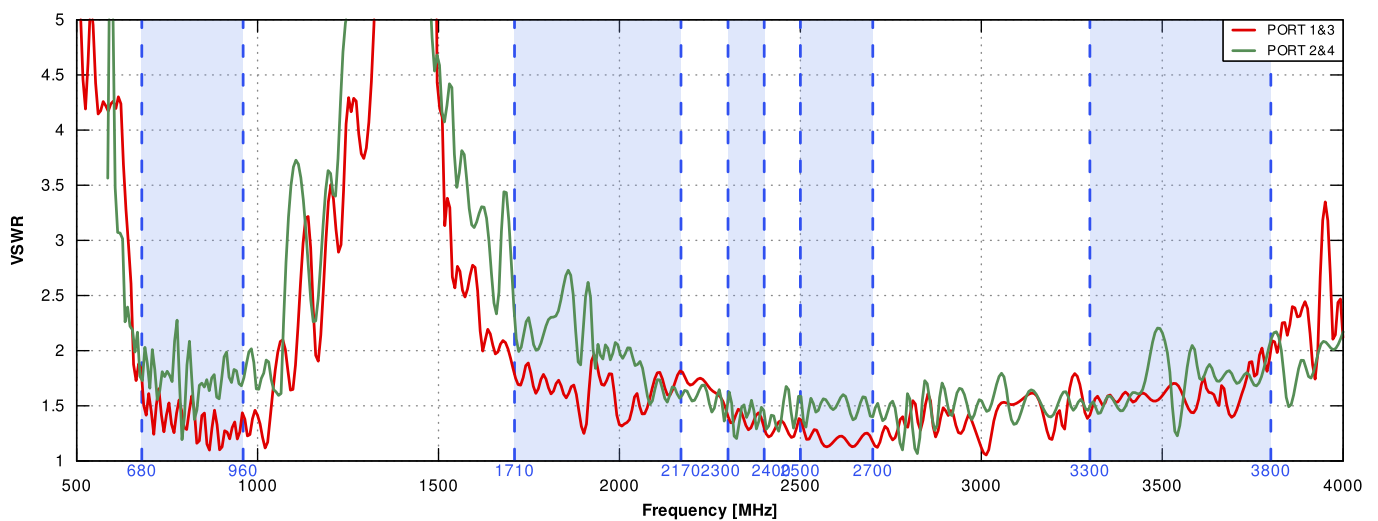
694
MHz

| | | | | | | |
|-----|-----|-----|-----|------|------|------|
| n1 | n2 | n3 | n5 | n7 | n8 | n12 |
| n13 | n14 | n18 | n20 | n25 | n26 | n28 |
| n29 | n30 | n34 | n38 | n39 | n40 | n41 |
| n48 | n53 | n65 | n66 | n67 | n78 | n80 |
| n81 | n82 | n83 | n84 | n85 | n86 | n89 |
| n90 | n95 | n97 | n98 | n100 | n101 | n256 |

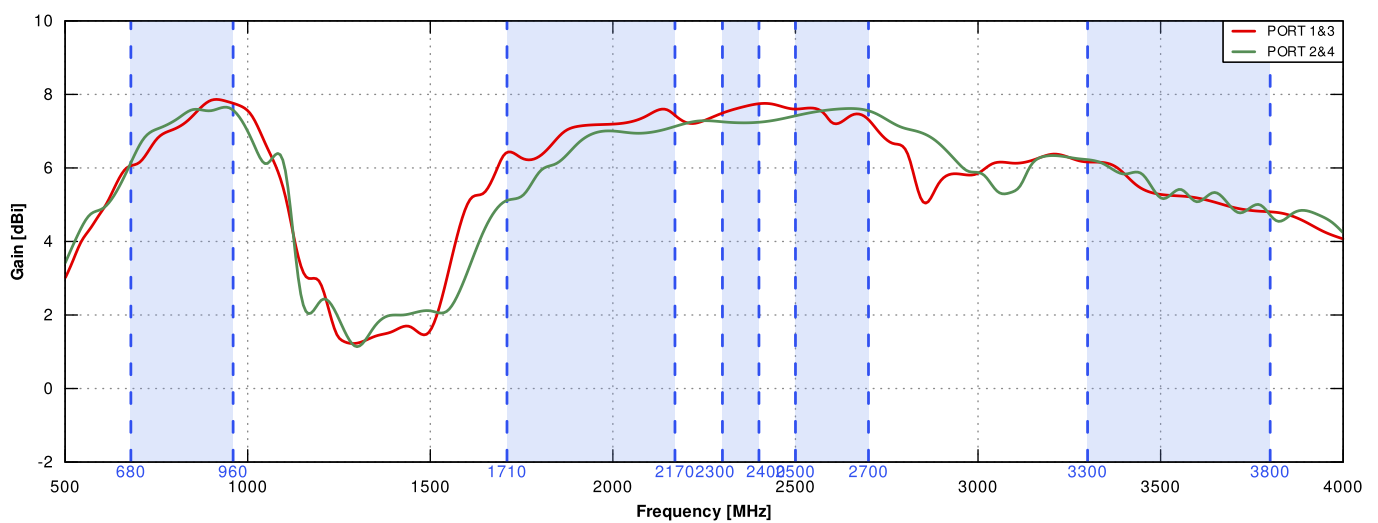
3800
MHz

PLOTS

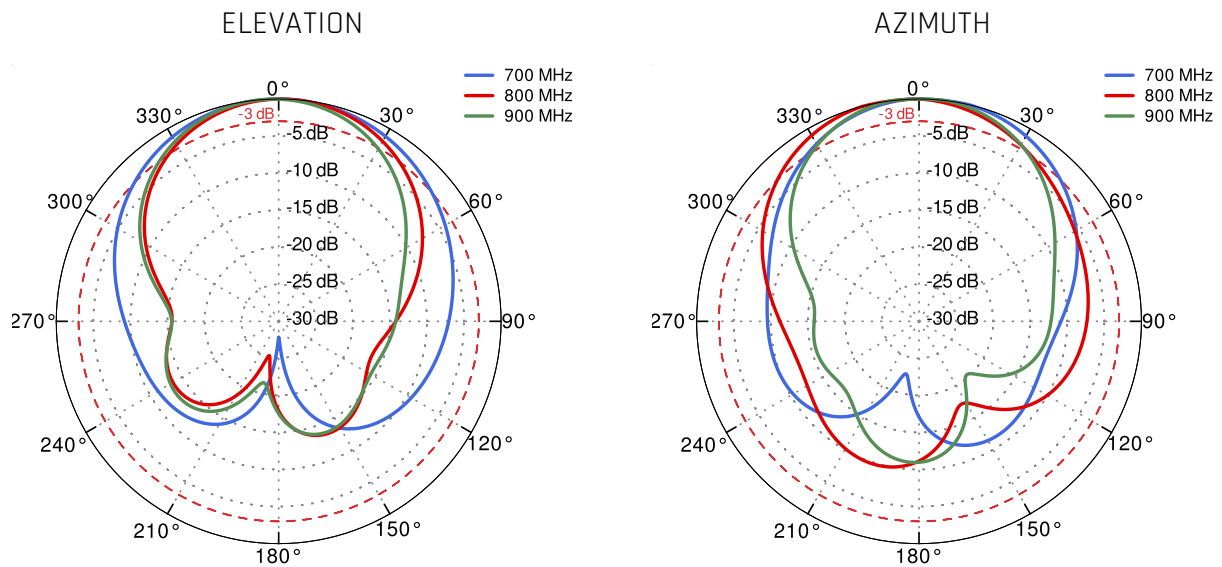
VSWR



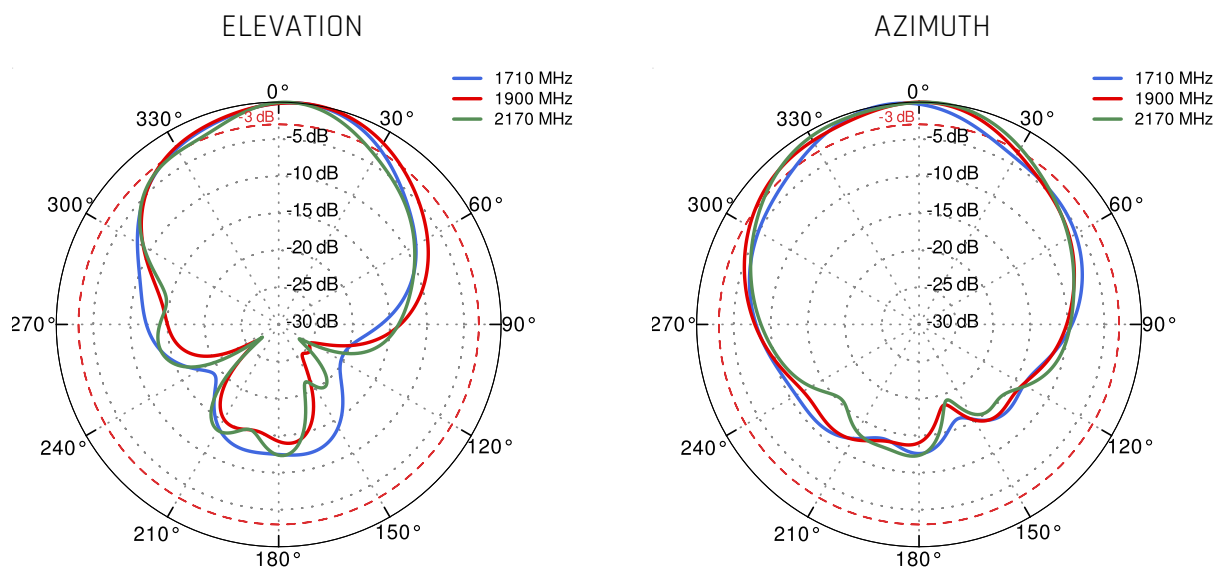
Gain



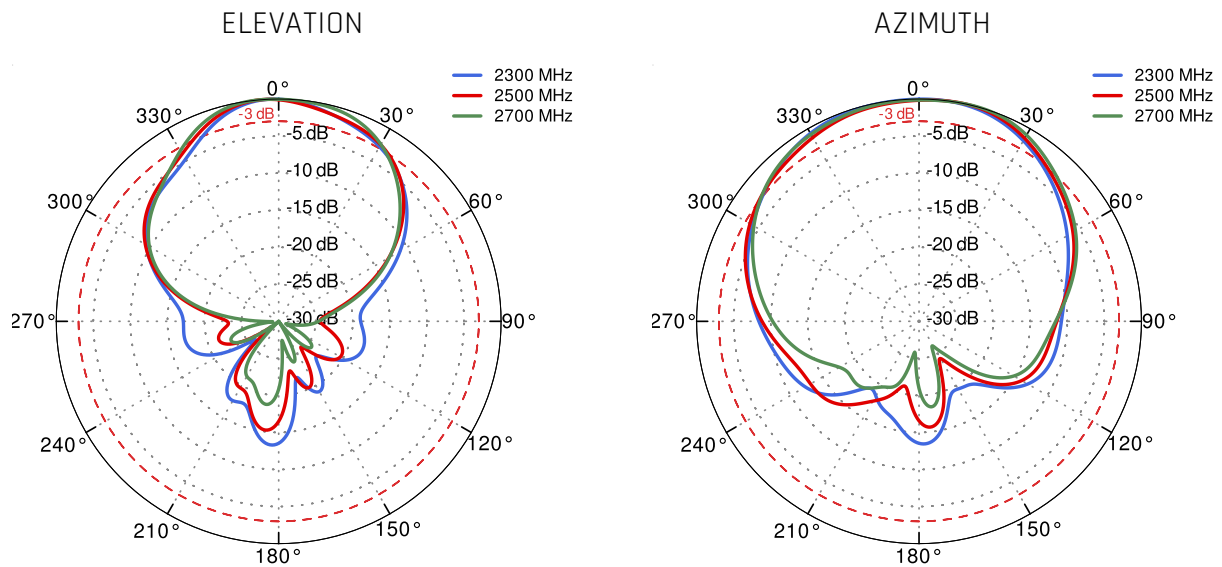
Port 1&3 700MHz to 900MHz



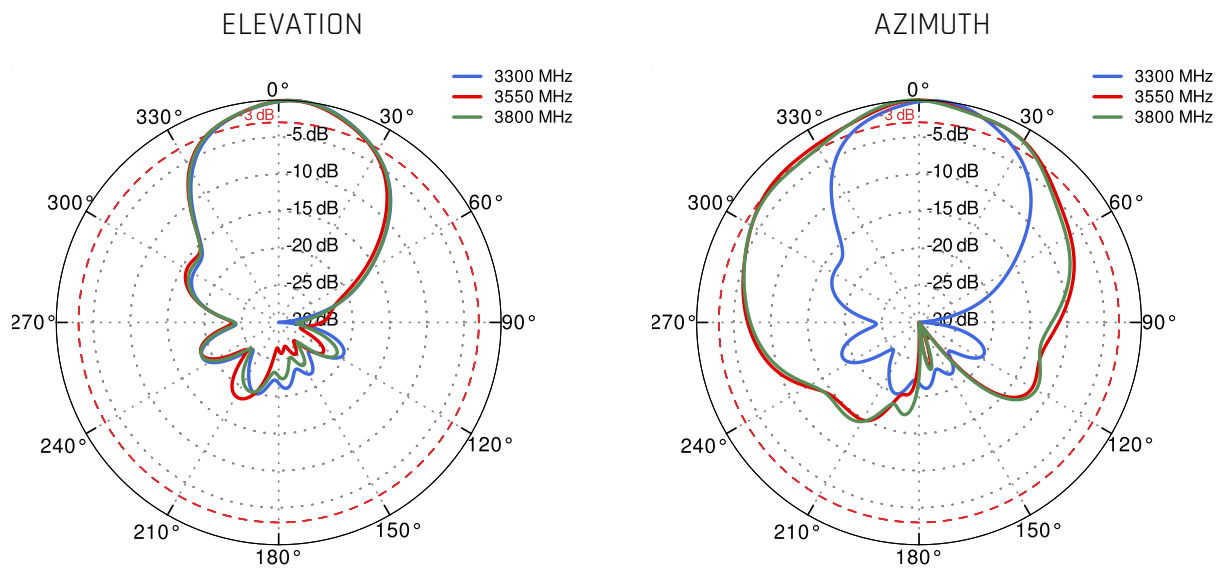
Port 1&3 1.71GHz to 2.17GHz



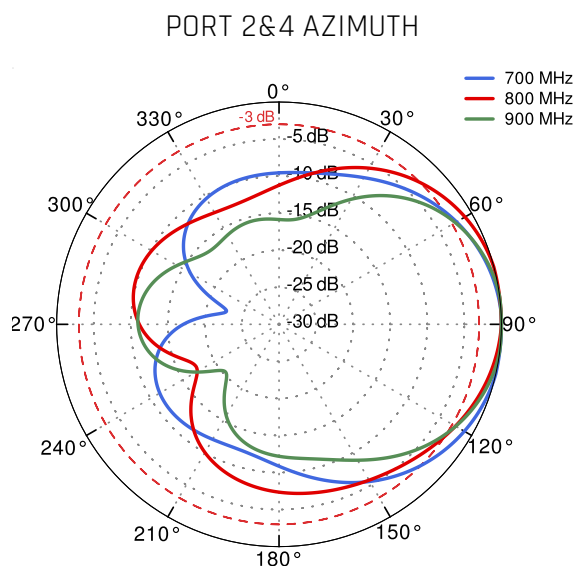
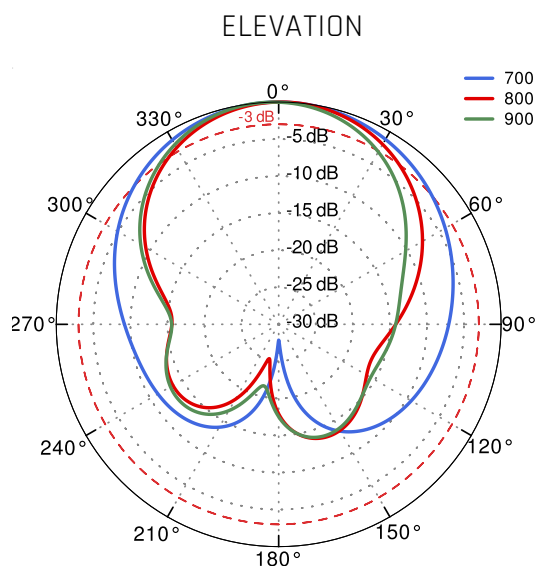
Port 1&3 2.3GHz to 2.7GHz



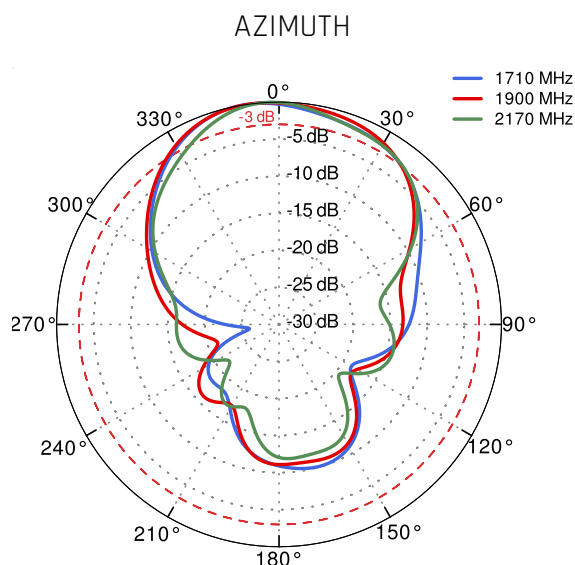
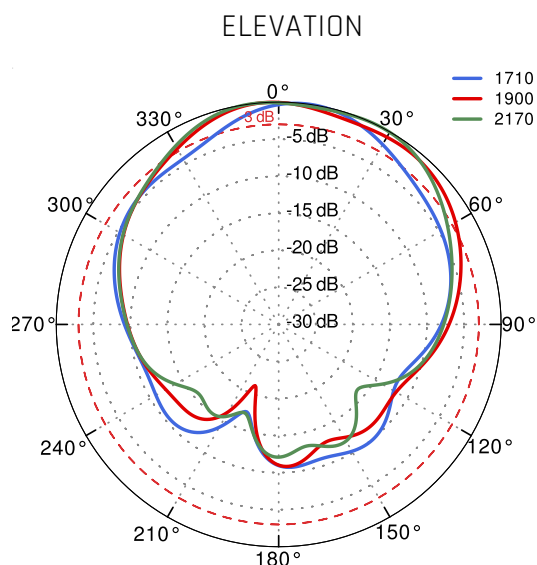
Port 1&3 3.3GHz to 3.8GHz



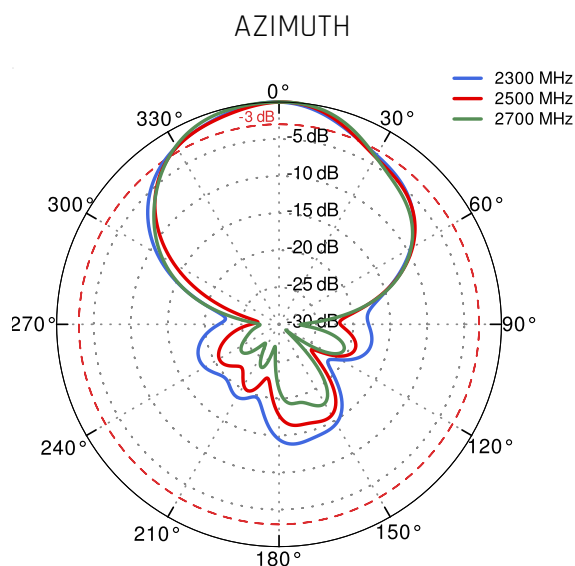
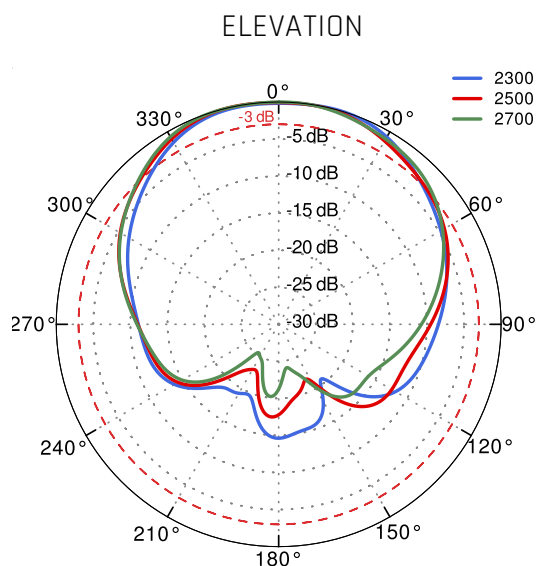
Port 2&4 700MHz to 900MHz



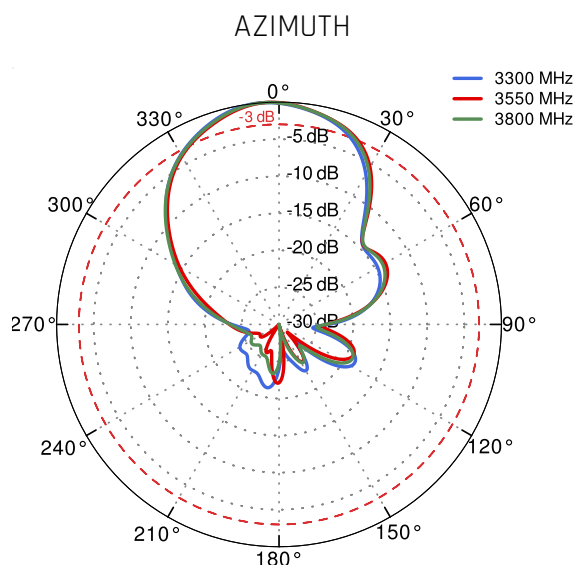
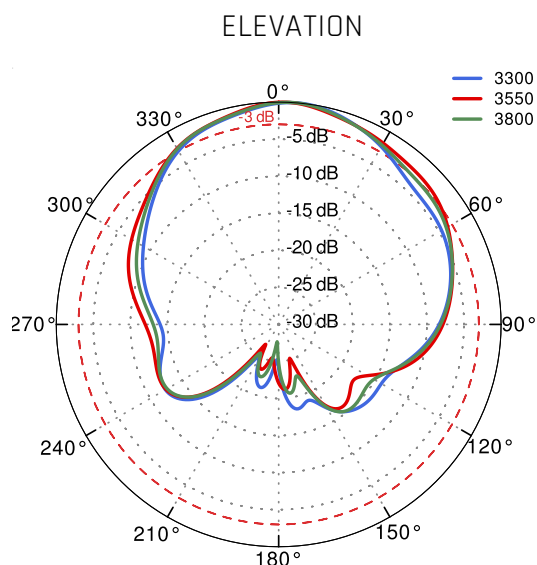
Port 2&4 1.71GHz to 2.17GHz



Port 2&4 2.3GHz to 2.7GHz



Port 2&4 3.3GHz to 3.8GHz



DIMENSIONS

