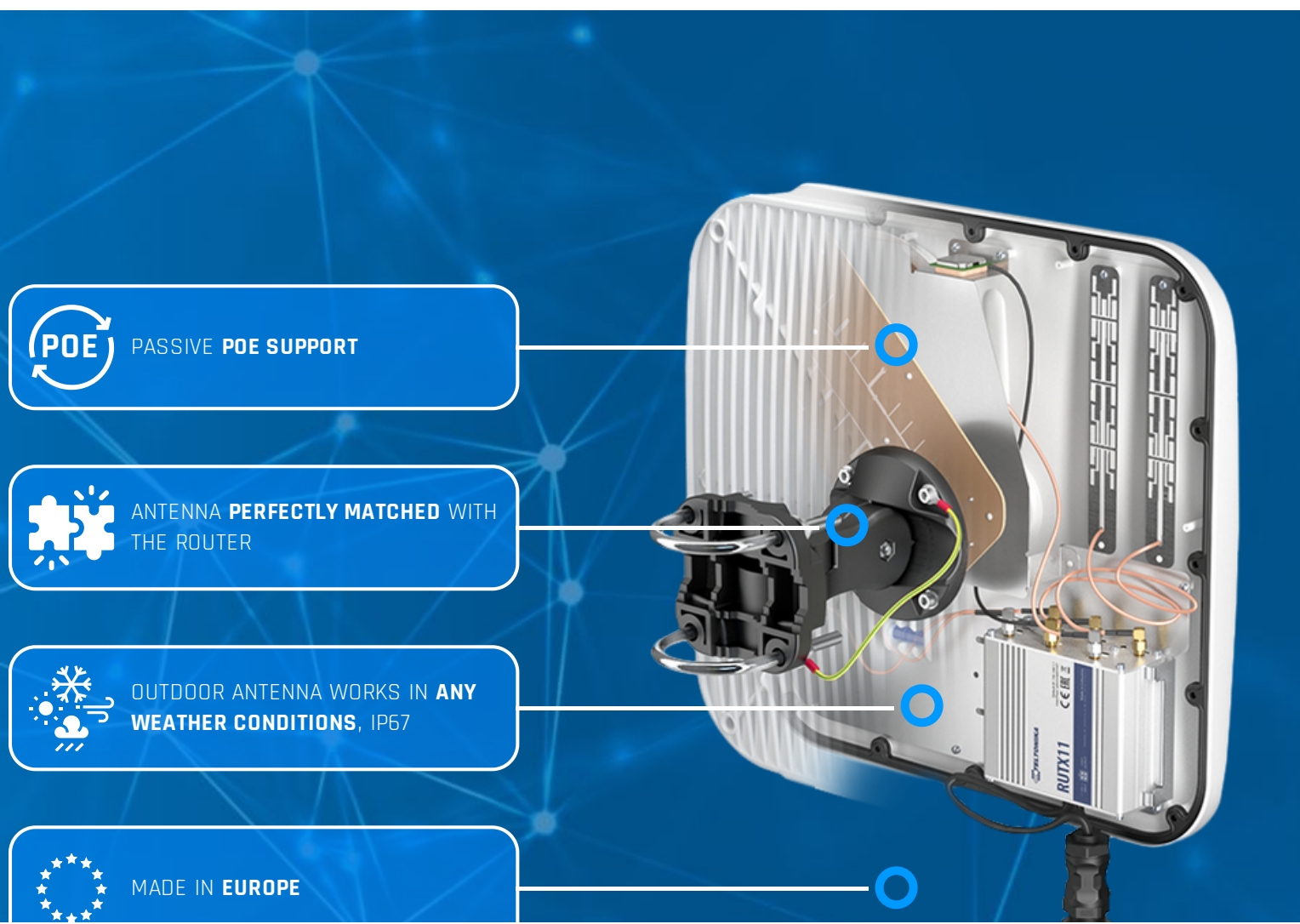


QuMax XR2 bi-directional kit for RUTX12

Set of two separate eXtra Range LTE directional antennas for bi-directional connection to two different LTE base stations. The main antenna has integrated also dualband Wi-Fi, GPS, Bluetooth antennas and space to install Teltonika RUTX12. The second antenna is only directional LTE XR antenna

The QuMax XR2 is a bi-directional LTE eXtra Range antenna set (two separate antenna) two connect to two different LTE base station (it can also be connected to one base station in order to obtain a greater share of the transfer from that base station). The main antenna additionally has built-in Wi-Fi dual band, GPS and Bluetooth antennas, 2x Nf connectors for the second LTE antenna and a space to install the RUTX12 router inside antenna enclosure. The second antenna is LTE Extra Range directional antenna only and is in smaller enclosure. The QuMax XR2 set is dedicated to long-range connections from the LTE base station, also to two different base stations, which gives optimal use of functions such as load balancing and carrier aggregation.



LTE ANTENNA SPECIFICATION

| | |
|------------------------|--|
| FREQUENCY | 694 - 960 MHz 1.7 - 2.2 GHz 2.2 - 2.7 GHz |
| SUPPORTED LTE/5G BANDS | 1, 2, 3, 4, 5, 7, 8, 9, 10, 12, 13, 14, 17, 18, 19, 20, 25, 26, 27, 28, 29, 30, 33, 34, 35, 36, 37, 38, 39, 40, 41, 44, 53, 65, 66, 67, 68, 69, 85, 103, n80, n81, n82, n83, n84, n86, n89, n90, n95, n97, n98, n100, n101, n256 |
| GAIN | 694 - 960 MHz : 7 dBi 1.7 - 2.2 GHz : 7 dBi 2.2 - 2.7 GHz : 7 dBi |
| FRONT-TO-BACK | >10 dB |
| VSWR | <1.70, max <2.00 |
| BEAMWIDTH | 70°/70° ±15° |
| POLARIZATION | Dual polarized X-Pol |
| IMPEDANCE | 50 Ω |

WI-FI ANTENNA SPECIFICATION

| | |
|--------------|--|
| FREQUENCY | 2.4 - 2.5 GHz 4.7 - 6 GHz |
| GAIN | 2.4 - 2.5 GHz : 6 dBi 5.00 - 6.00 GHz : 4 dBi |
| VSWR | <1.70, max <2.00 |
| BEAMWIDTH | 360°/25° ±5° |
| POLARIZATION | Vertical |
| IMPEDANCE | 50 Ω |

BLUETOOTH ANTENNA SPECIFICATION

| | |
|--------------|------------------|
| FREQUENCY | 2.40 - 2.50 GHz |
| GAIN | 3 dBi |
| VSWR | <1.70, max <2.00 |
| BEAMWIDTH | 360°/25° ±5° |
| POLARIZATION | Vertical |
| IMPEDANCE | 50 Ω |

MECHANICAL SPECIFICATION (MASTER)

| | |
|-----------------------|--|
| MATERIALS | ABS, aluminum, PTFE, Fiberglass |
| CONNECTOR TYPE | RJ45 + 2x Nf |
| 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 |
| MAST DIAMETER | 25-60mm 0.98-2.36 inch |

MECHANICAL SPECIFICATION (SLAVE)

| | |
|-----------------------|--|
| MATERIALS | ABS, aluminum, PTFE, Fiberglass |
| INGRESS PROTECTION | IP67 |
| DIMENSIONS | 272 x 276 x 96 mm 10.71 x 10.87 x 3.78 inch |
| WEIGHT | 1.8 kg 3.97 lbs |
| OPERATING TEMPERATURE | From -40°C to 80°C From -40°F to 176°F |
| CABLE LENGTH | 70 cm |
| CABLE TYPE | LMR195 white |

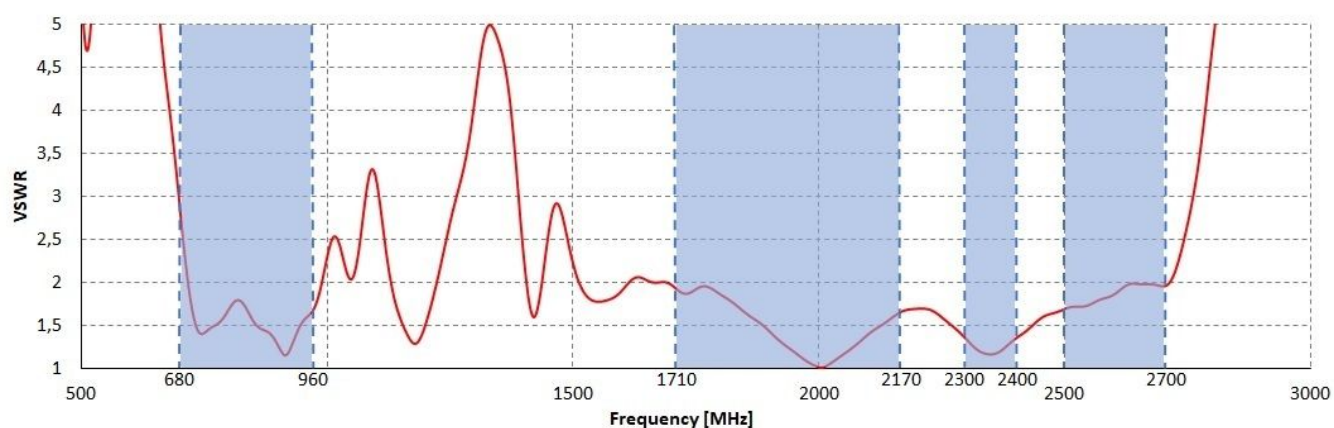
| | |
|----------------|---------------------------|
| CONNECTOR TYPE | 2x Nm plug |
| MAST DIAMETER | 25-60mm 0.98-2.36 inch |

FREQUENCY BANDS

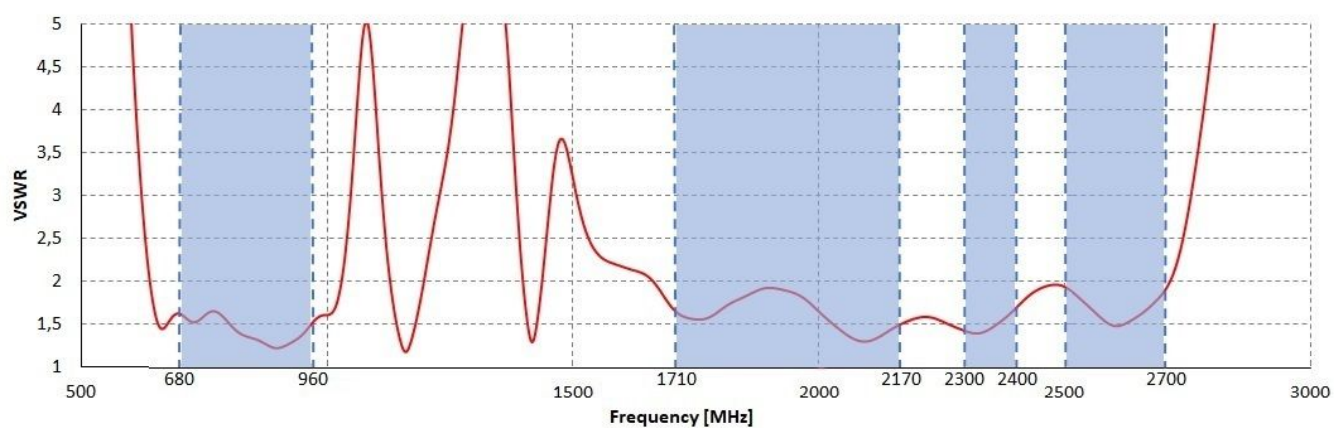
| | |
|-------------------|--|
| LTE / 4G GSM | <div> <div>581213141718</div> <div>694 MHz</div> <div> <div>19202627282944</div> <div>960 MHz</div> <div>676885103n81n82n83</div> <div>n89n100</div> </div> </div> |
| LTE / 4G UMTS | <div> <div>123491025</div> <div>1710 MHz</div> <div> <div>333435363739n80</div> <div>2170 MHz</div> <div>n84n86n95n98n101</div> </div> </div> |
| LTE / 4G WCS DARS | <div> <div>2300 MHz</div> <div>3040n97</div> <div>2400 MHz</div> </div> |
| LTE / 4G | <div> <div>2400 MHz</div> <div>738415369n90</div> <div>2700 MHz</div> </div> |

PLOTS

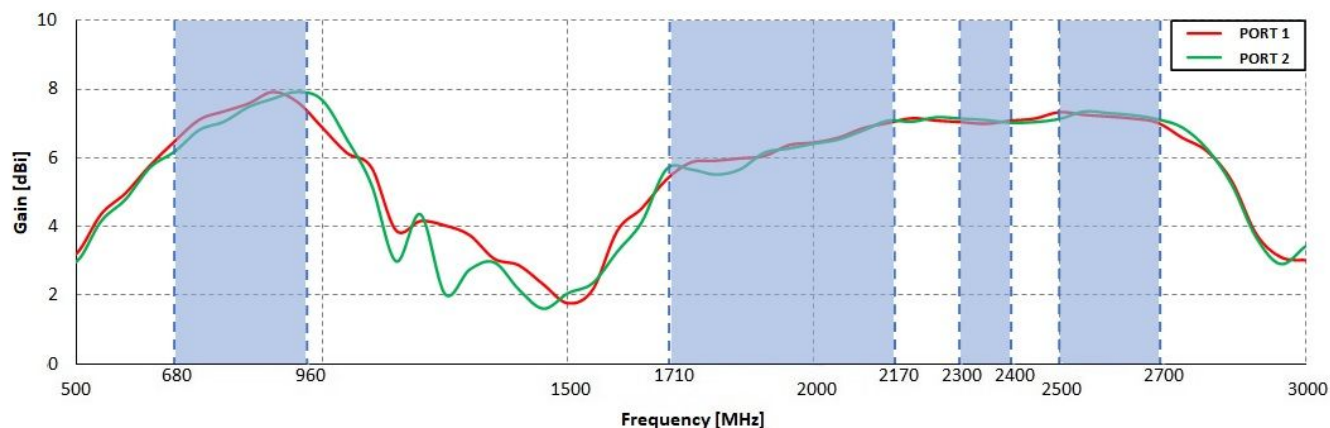
VSWR for LTE antenna PORT 1 



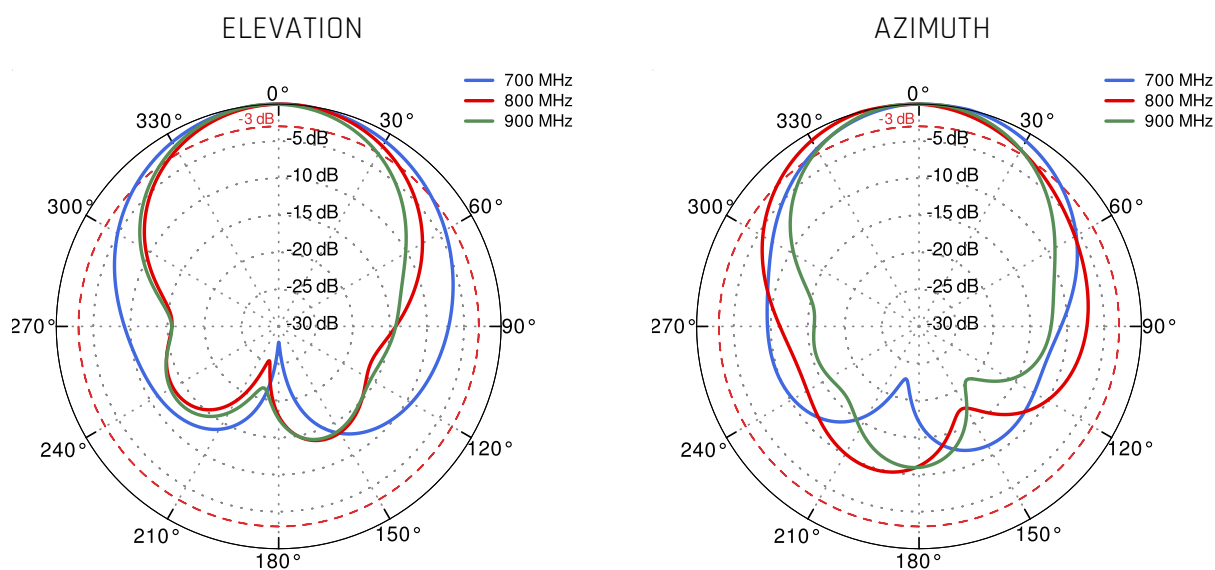
VSWR for LTE antenna PORT 2 



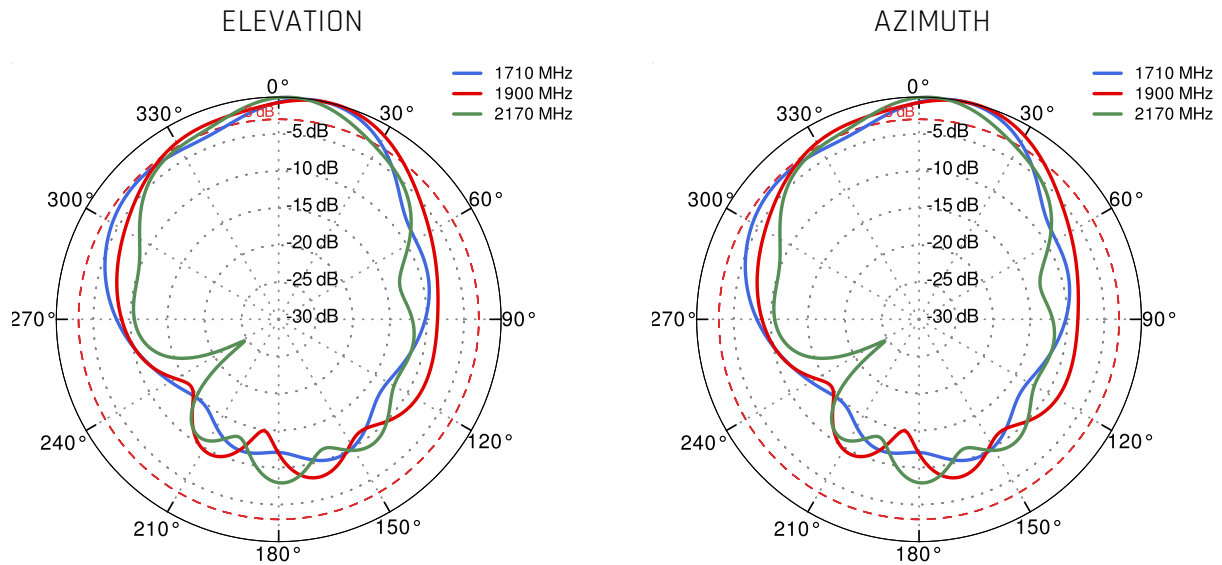
Gain for LTE antenna



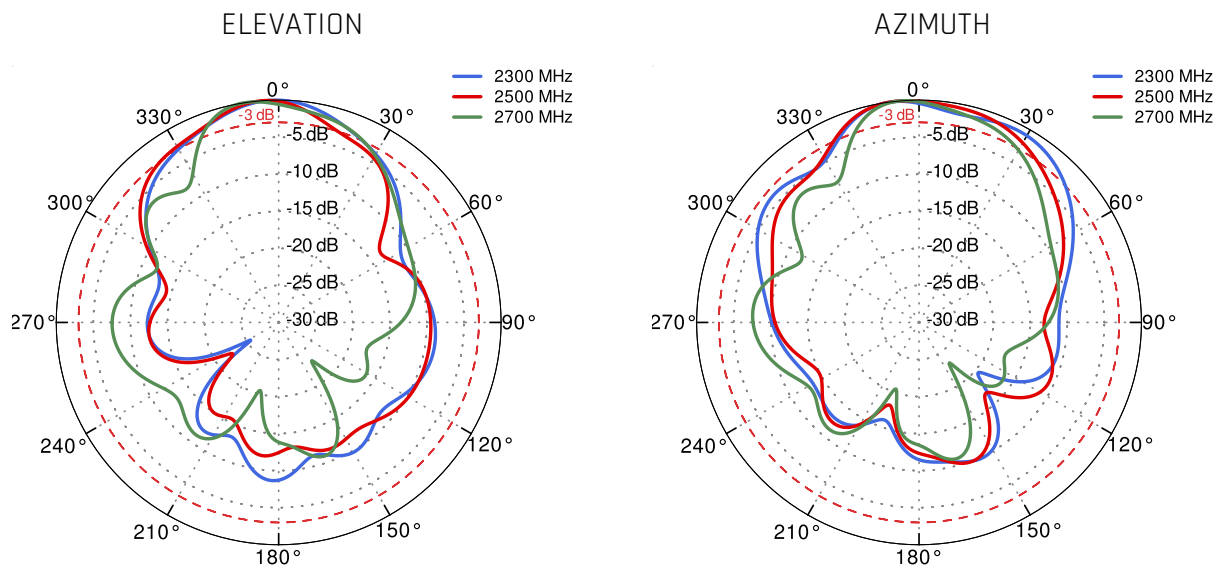
LTE Port 1 700MHz to 900MHz



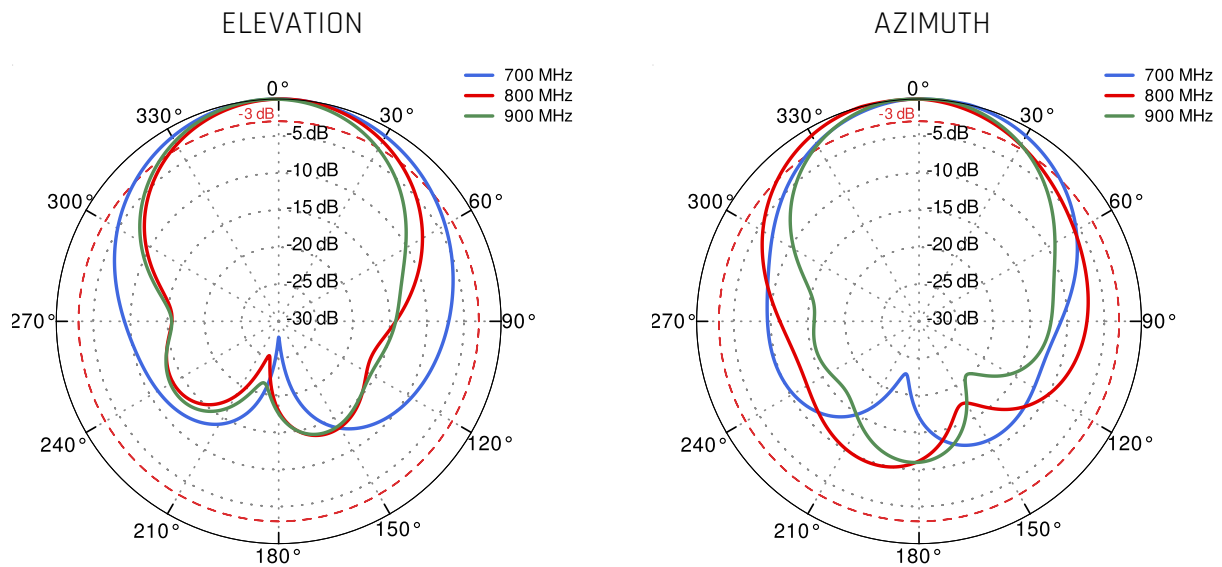
LTE Port 1 1.71GHz to 2.17GHz



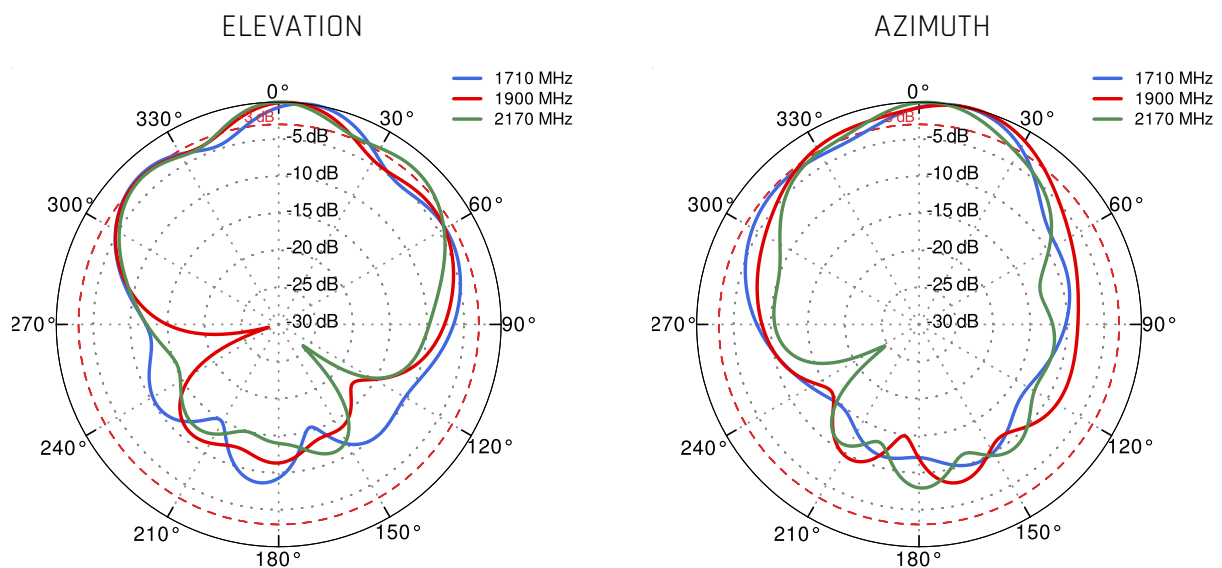
LTE Port 1 2.3GHz to 2.7GHz



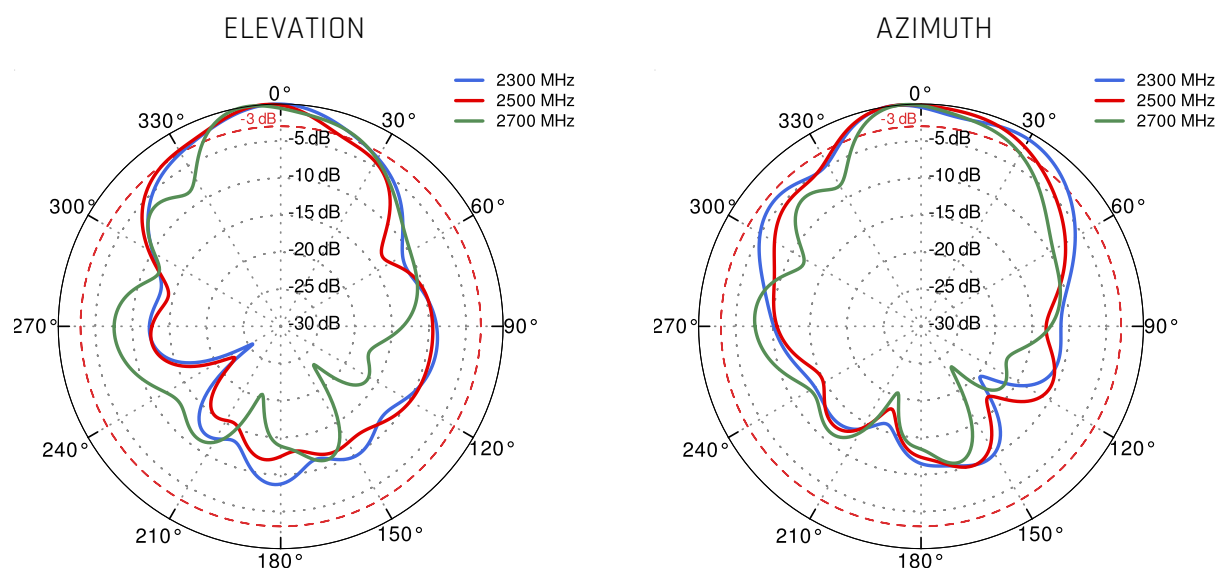
LTE Port 2 700MHz to 900MHz



LTE Port 2 1.71GHz to 2.17GHz



LTE Port 2 2.3GHz to 2.7GHz



DIMENSIONS

