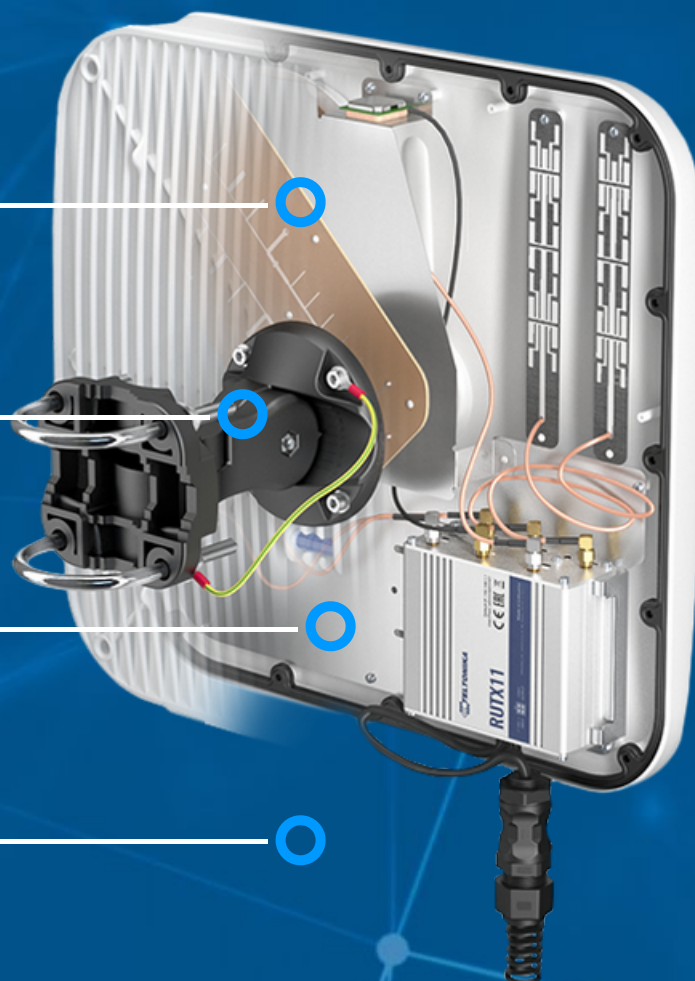


# QuMax XR All In

**Integrated outdoor multi band eXtra Range LTE directional antenna + Wi-Fi dual band 2.4 & 5 GHz omni antenna + Bluetooth antenna + GPS antenna + place to install Teltonika RUT200/240/241/900/901/950/951/955/956/X09/X11 (All-in-one)**

QuMAX eXtra Range All In offers the most powerful directional LTE antenna of all QuWireless antennas. It is dedicated to connections with long distance to base station. It also has embedded Wi-Fi dual band 2.4 & 5 GHz omni antennas, GPS antenna and Bluetooth antenna. It is designed to have Teltonika RUT200/240/241/900/901/950/951/955/956/X09/X11 router installed inside IP67 enclosure. It is the first choice for fixed installations in industrial environment.



## UNIVERSAL MOUNTING BRACKET



## 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, 6, 7, 8, 9, 10, 12, 13, 14, 17, 18, 19, 20, 23, 25, 26, 27, 28, 29, 30, 33, 34, 35, 36, 37, 38, 39, 40, 41, 44, 53, 59, 62, 65, 66, 67, 68, 69, 85, n80, n81, n82, n83, n84, n86, n89, n90, n95
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 4.7 - 6 GHz : 7 dBi
VSWR	<1.70, max <2.00
BEAMWIDTH	360°/25° ±5°
POLARIZATION	Vertical
IMPEDANCE	50 $\Omega$

## BLUETOOTH ANTENNA SPECIFICATION

FREQUENCY	2.30 - 2.60 GHz
GAIN	3 dBi
VSWR	<1.70, max <2.00
BEAMWIDTH	360°/25° ±5°
POLARIZATION	Vertical
IMPEDANCE	50 $\Omega$

## MECHANICAL SPECIFICATION

MATERIALS	ABS, aluminum, PTFE, Fiberglass
CONNECTOR TYPE	RJ45
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

## FREQUENCY BANDS

LTE / 4G GSM	<div>56812131417</div> <div>617 MHz<div>18192026272829</div><div>44676885n81n82n83</div><div>n89</div>960 MHz</div>
LTE / 4G UMTS	<div>123491025</div> <div>1710 MHz<div>33343536373959</div><div>62n80n84n86n95</div>2170 MHz</div>

**LTE / 4G WCS DARS**

2300  
MHz

30

40

2400  
MHz

**LTE / 4G**

2400  
MHz

7

38

41

53

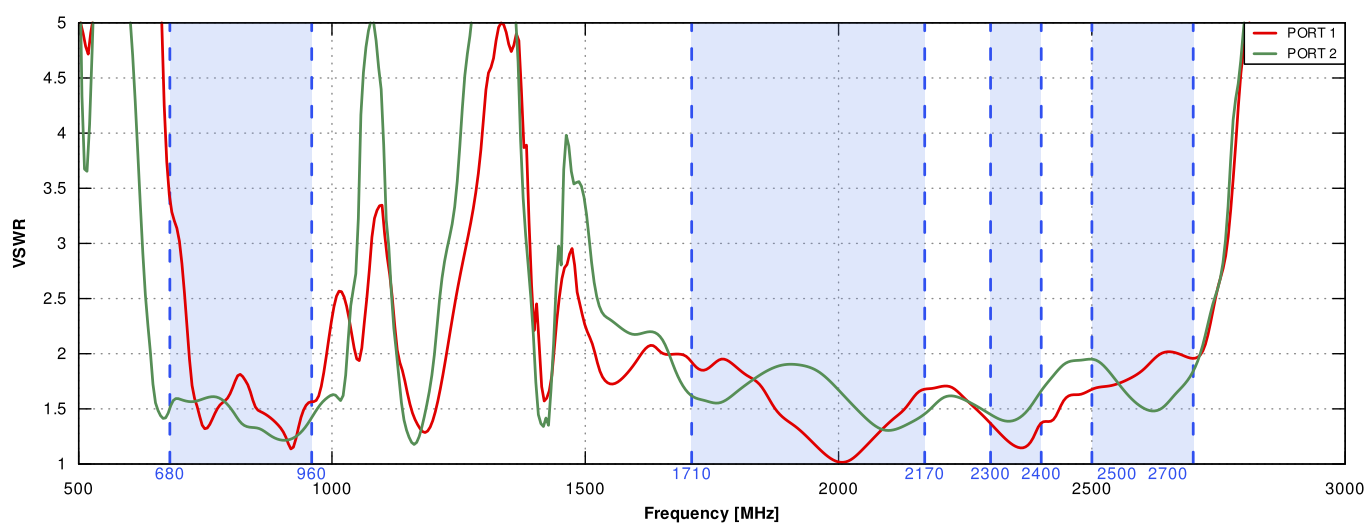
69

n90

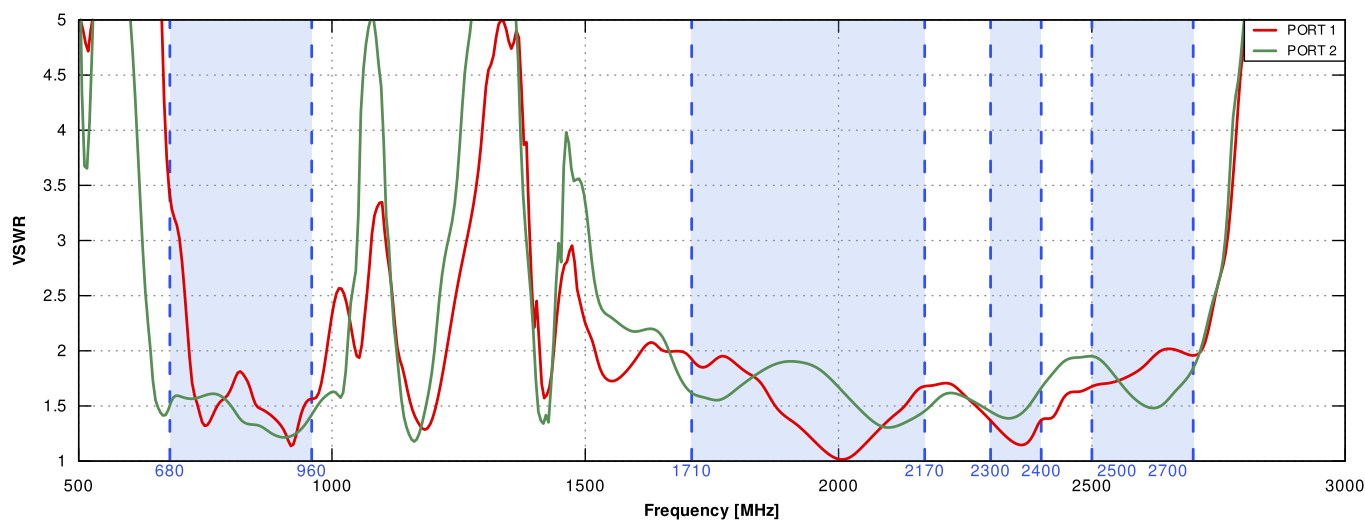
2700  
MHz

## PLOTS

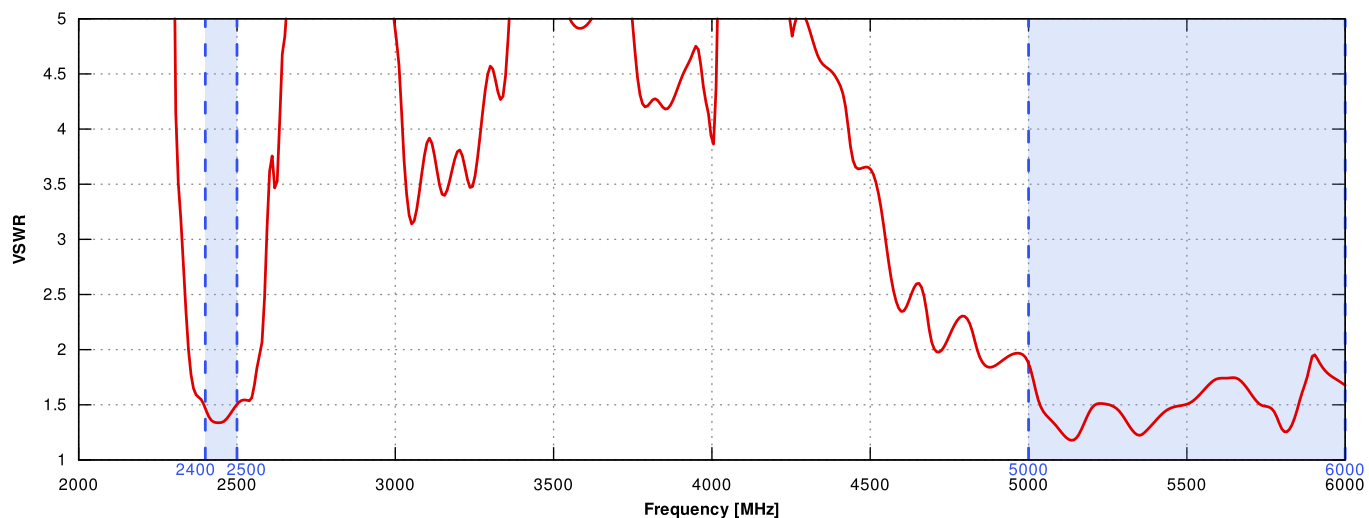
VSWR for LTE antenna PORT 1



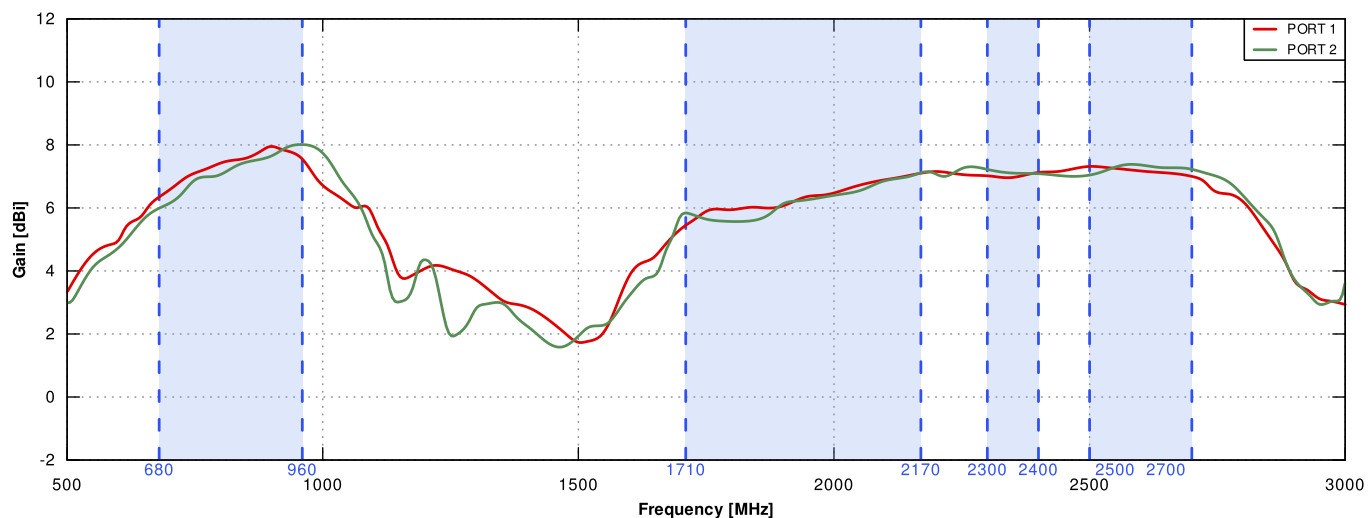
VSWR for LTE antenna PORT 2



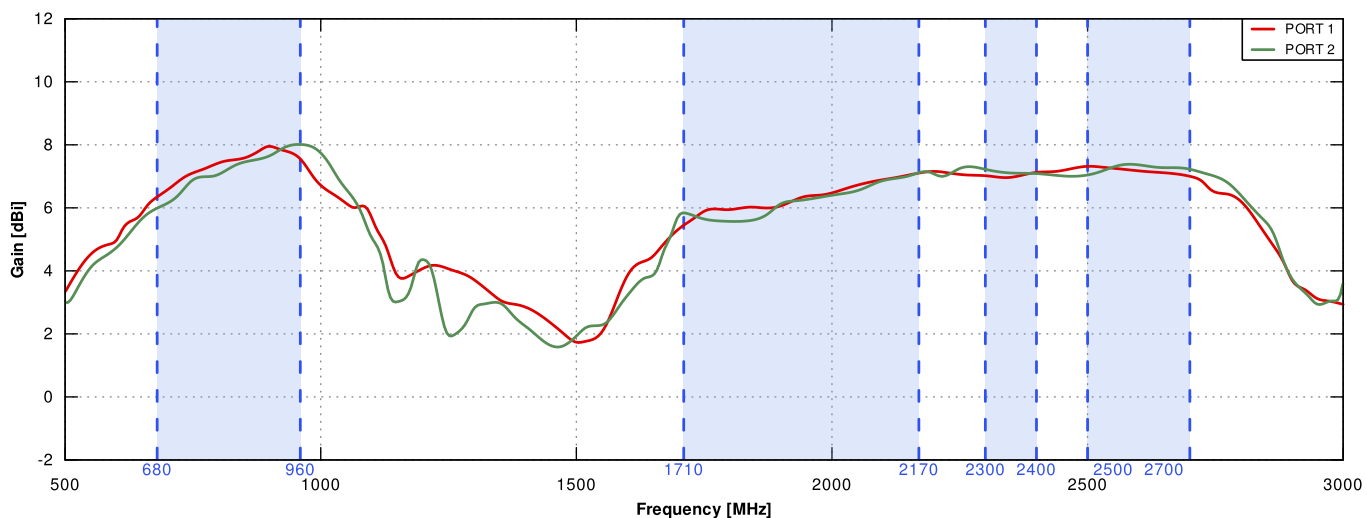
## VSWR for Wi-Fi antenna



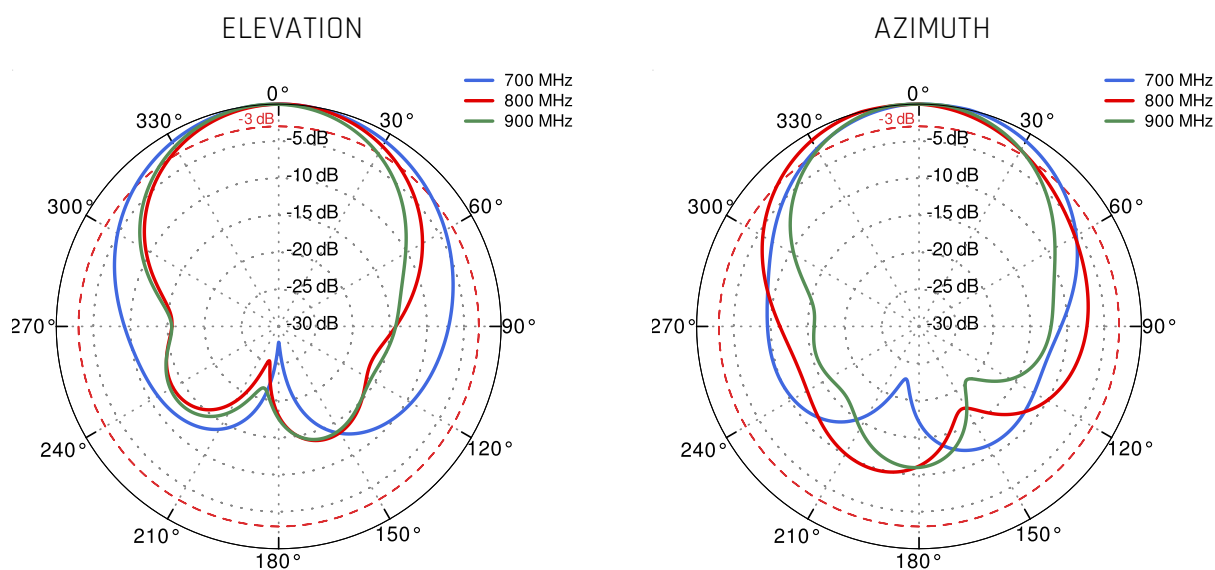
## Gain for LTE antenna



## Gain for Wi-Fi antenna

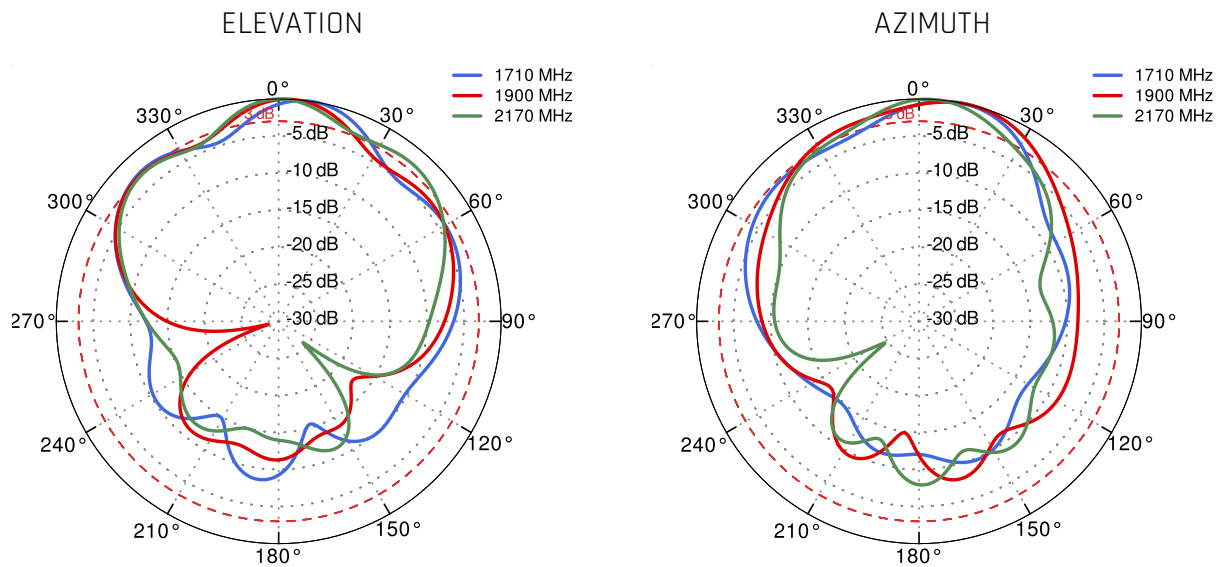


## PORT 1 700MHz to 900MHz

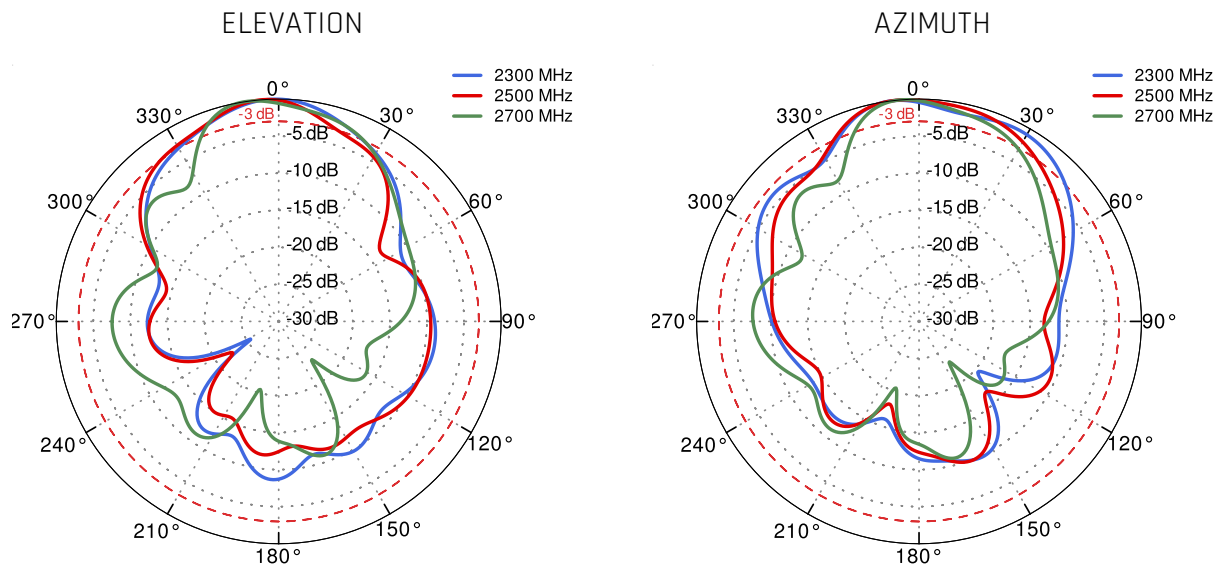




## PORT 1 1.71GHz to 2.17GHz

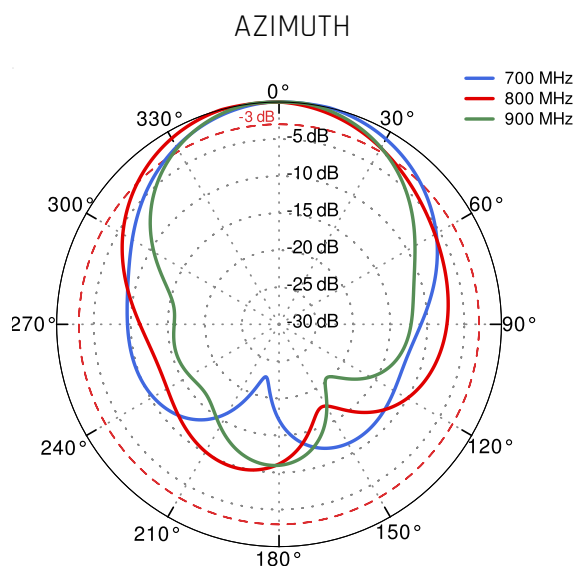
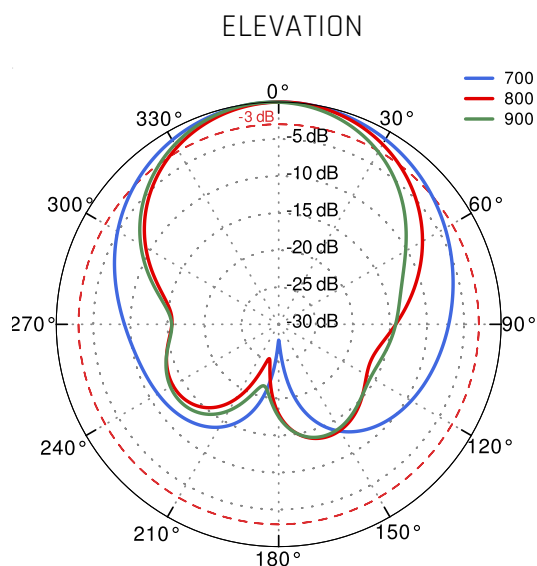


## PORT 1 2.3GHz to 2.7GHz

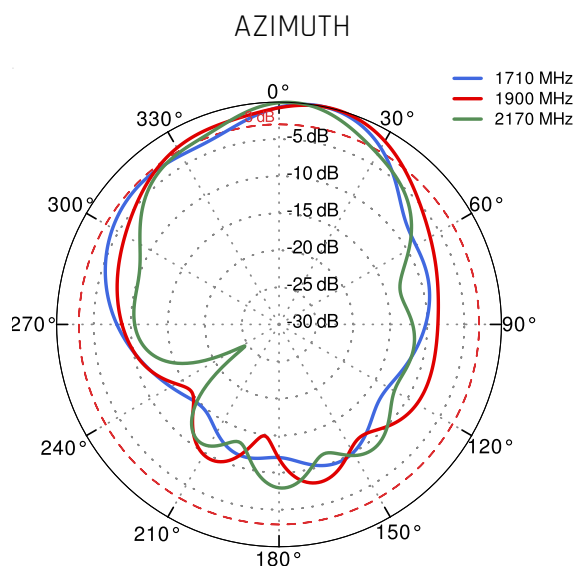
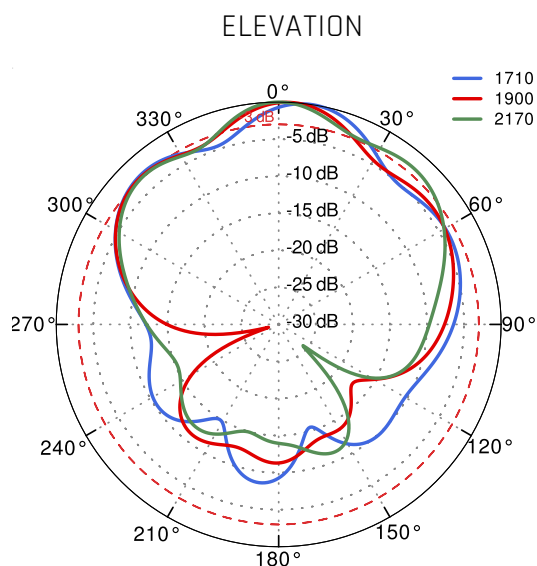




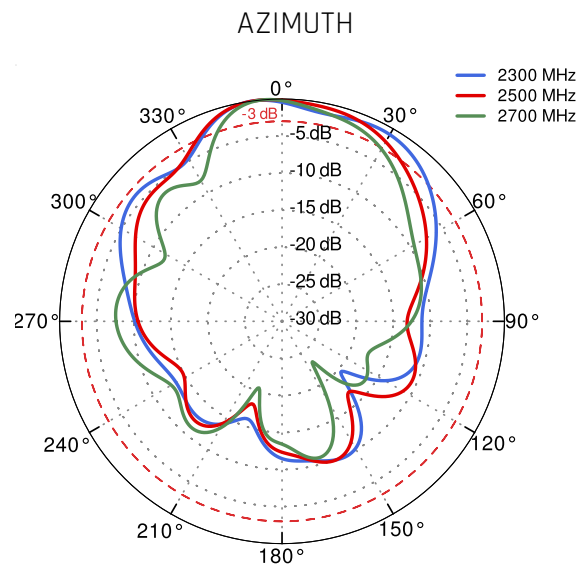
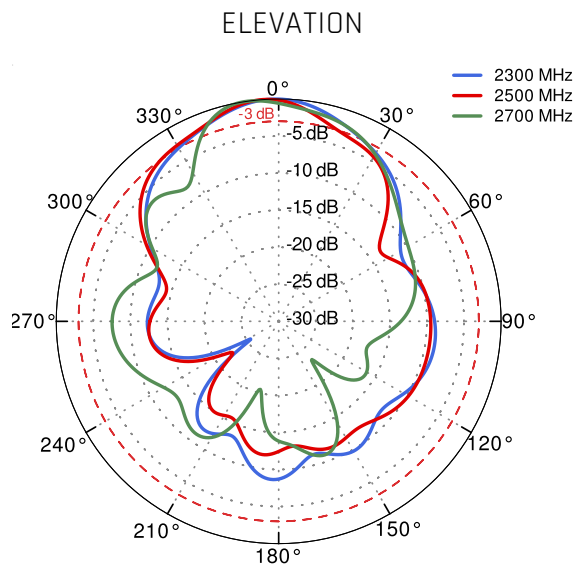
## PORT 2 700MHz to 900MHz



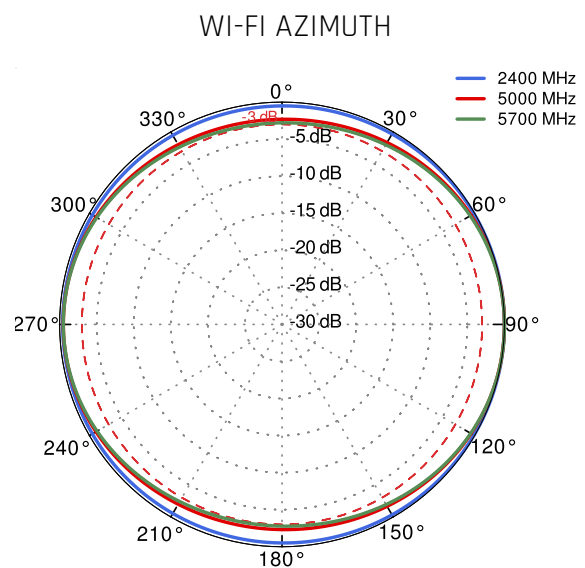
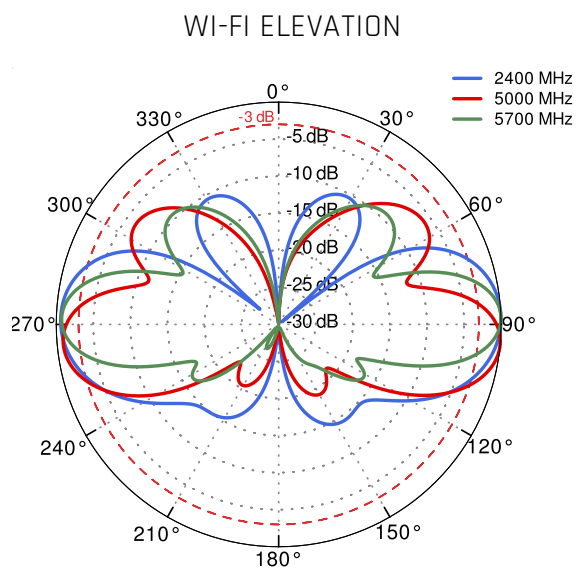
## PORT 2 1.71GHz to 2.17GHz



## PORT 2 2.3GHz to 2.7GHz



## 2.4GHz & 5GHz



## DIMENSIONS

