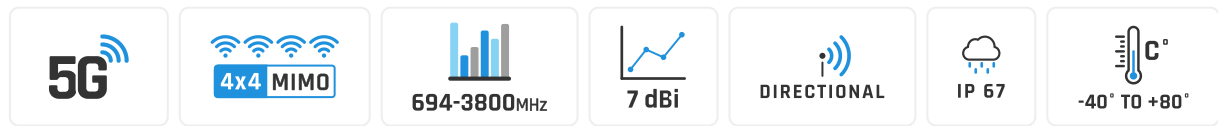


# QuPanel 5G/LTE MIMO 4x4

## Directional High Power multiband 5G/LTE MIMO 4x4 antenna

QuPanel 5G/LTE 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 Teltonika and other MIMO 4x4 5G / LTE / 3G / 2G modems and routers.



 OUTDOOR ANTENNA WORKS IN ANY WEATHER CONDITIONS, IP67

 MOUNTING SYSTEM WITH TWO PLANES, 60 DEGREES REGULATION

 FOUR SMA CONNECTORS

 7.5 DBI GAIN

 70° BEAMWIDTH

 MADE IN EUROPE



## 5G / LTE ANTENNA SPECIFICATION

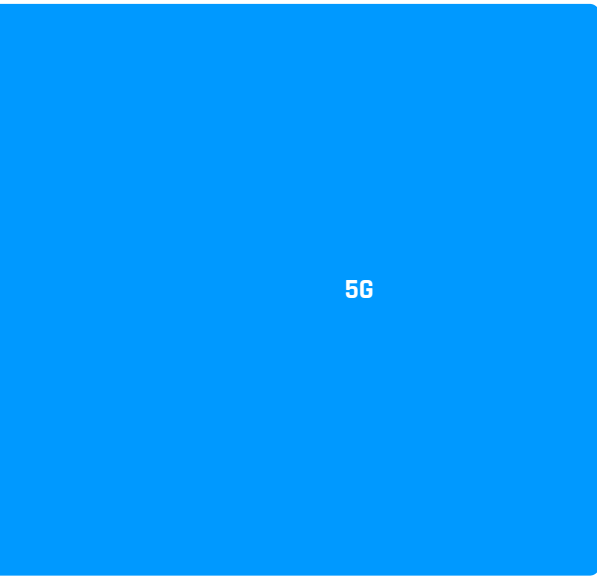
<b>FREQUENCY</b>	694 - 960 MHz 1.7 - 2.2 GHz 2.2 - 2.7 GHz 3.3 - 3.8 GHz
<b>GAIN</b>	694 - 960 MHz : 7 dBi 1.7 - 2.2 GHz : 7 dBi 2.2 - 2.7 GHz : 7.5 dBi 3.3 - 3.8 GHz : 5.5 dBi
<b>SUPPORTED LTE BANDS</b>	1, 2, 3, 4, 5, 7, 8, 9, 10, 12, 13, 14, 17, 18, 19, 20, 22, 25, 26, 27, 28, 29, 30, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 48, 49, 52, 53, 65, 66, 67, 68, 69, 85, 103, 106
<b>SUPPORTED 5G BANDS</b>	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
<b>VSWR</b>	<1.70, max <2.00
<b>BEAMWIDTH</b>	70°/70° ±15°
<b>POLARIZATION</b>	Dual polarized X-Pol
<b>IMPEDANCE</b>	50 Ω
<b>FRONT-TO-BACK</b>	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

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

## FREQUENCY BANDS

<b>LTE / 4G</b>	1	2	3	4	5	7	8	694 MHz	3800 MHz
	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				



694 MHz	n1	n2	n3	n5	n7	n8	n12	3800 MHz
	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	

## COMPATIBLE ROUTERS

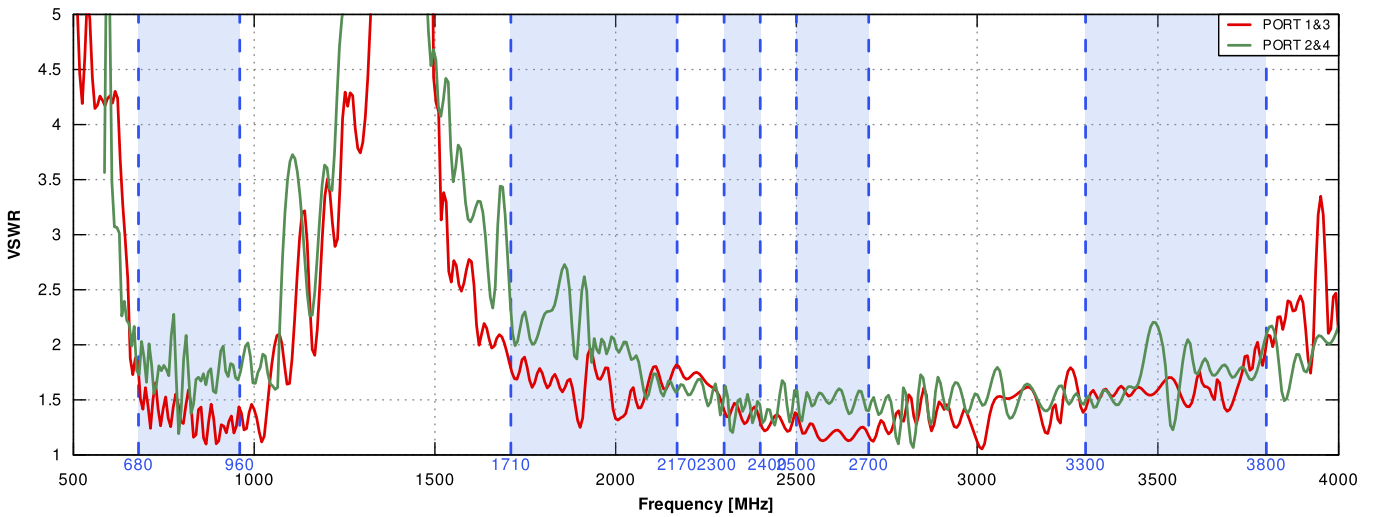
VARIANTS: AP5G4, AP5G4-1

- TELTONIKA**
- DIGI**
- ROBUSTEL**
- SIEMENS**
- COMSET**
- CRADLEPOINT**
- FORTINET**
- PEPLINK**

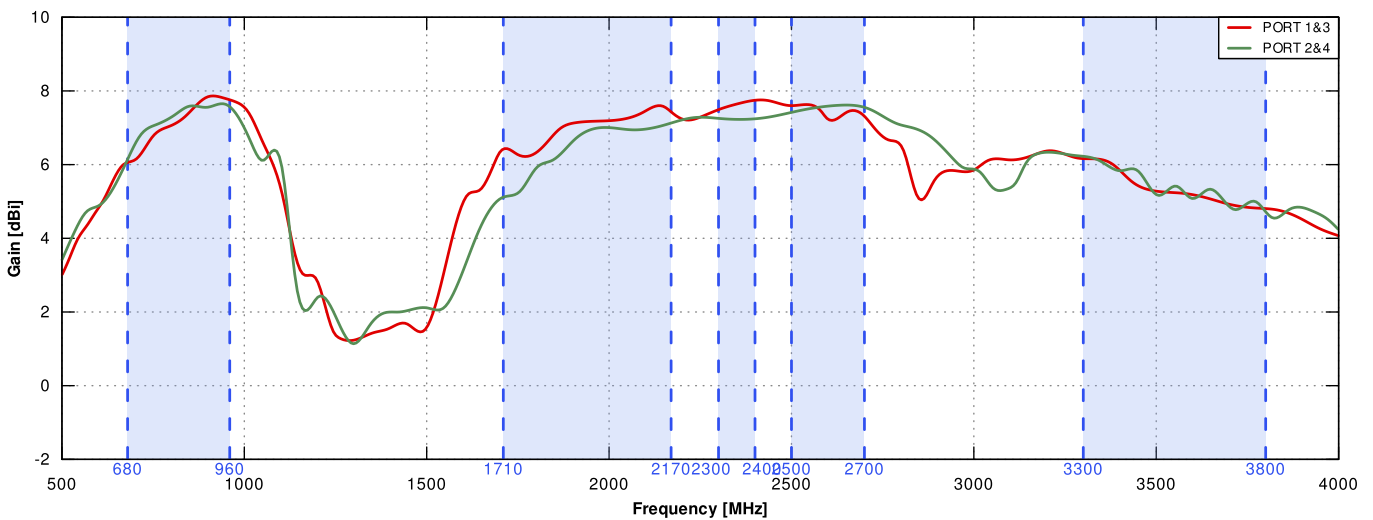
- RUTX12, RUTX14, RUTX50, TRB500
- TX54 LTE-Advanced
- R2000
- 6GK5853-2EA00-2DA1
- CM770W-6
- IBR1700
- FEX-311F
- BR1 Pro (CAT-20), MAX HD2, MAX HD2 Mini, MAX Transit, UBR Plus

# PLOTS

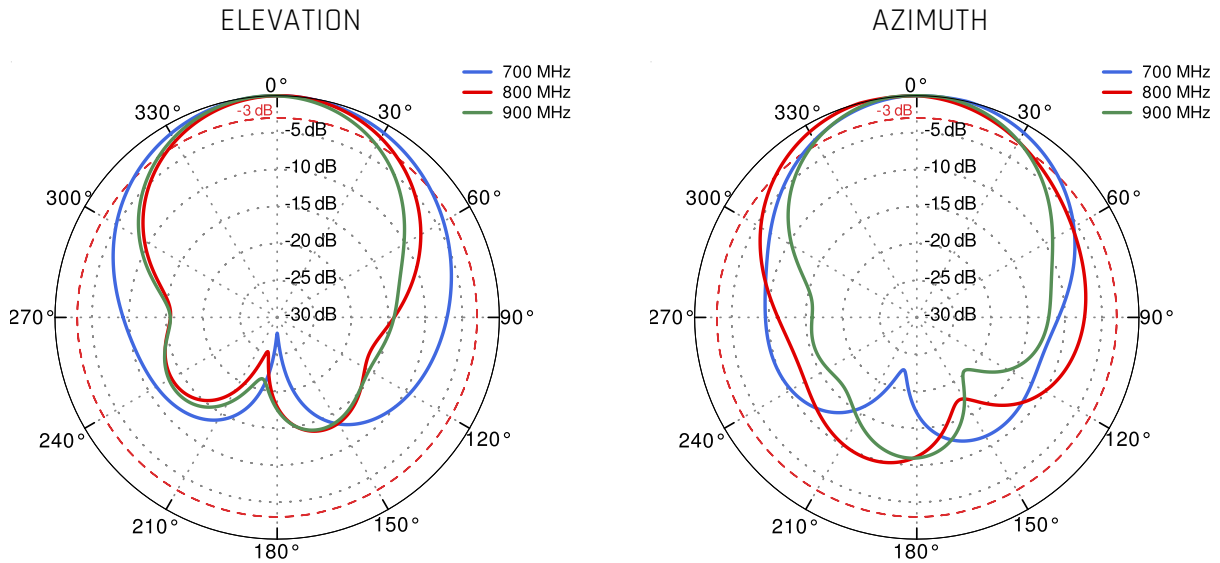
## VSWR



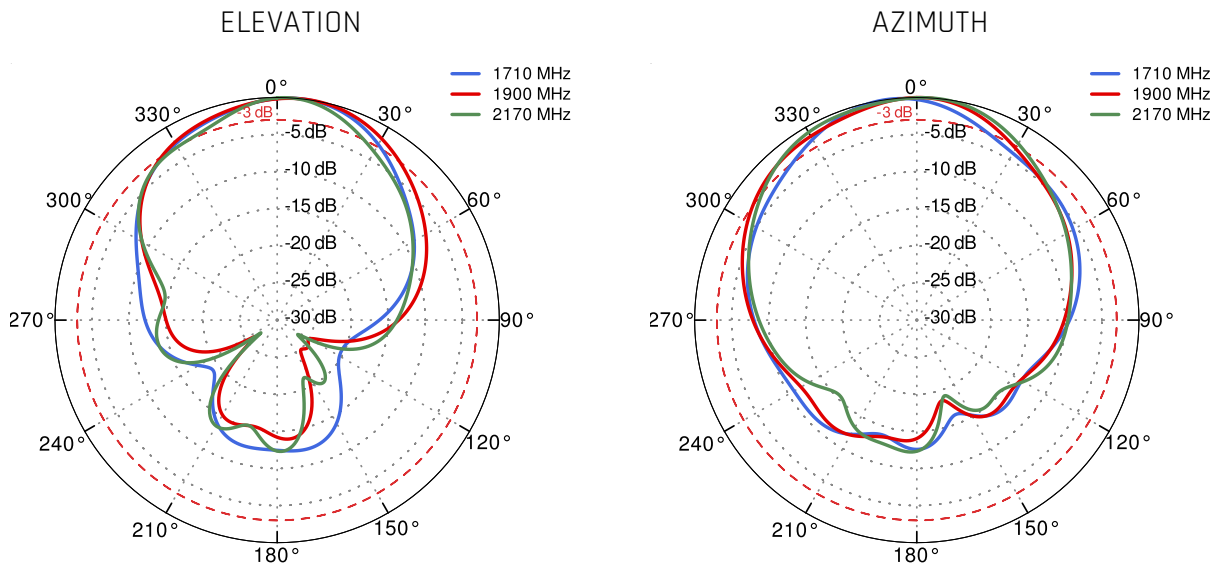
## Gain



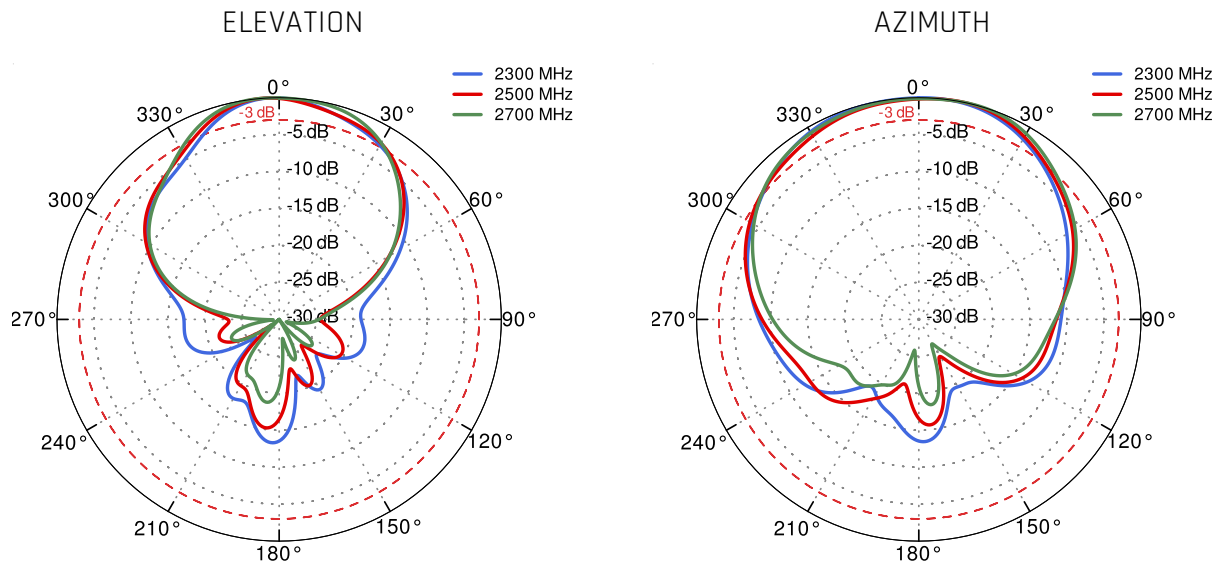
Port 1&3 700MHz to 900MHz



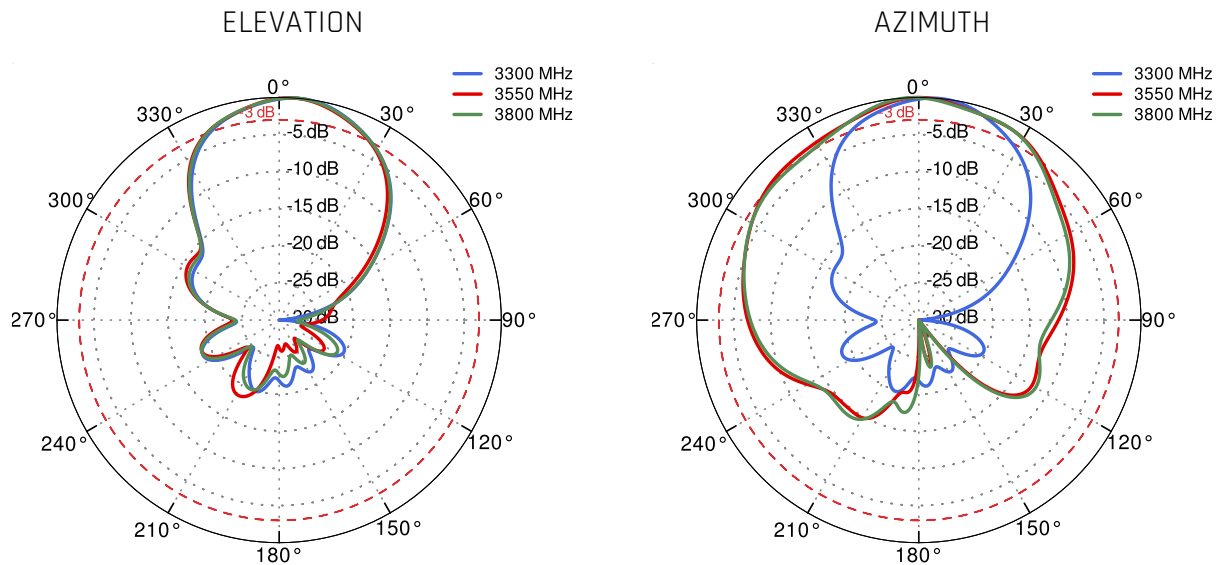
Port 1&3 1.71GHz to 2.17GHz



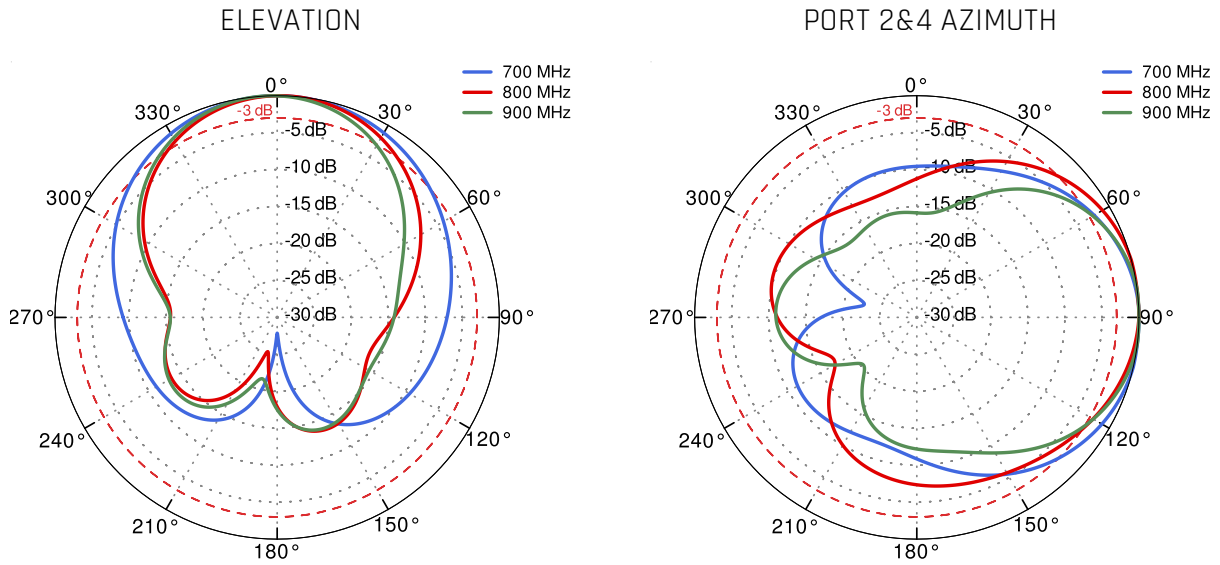
Port 1&3 2.3GHz to 2.7GHz



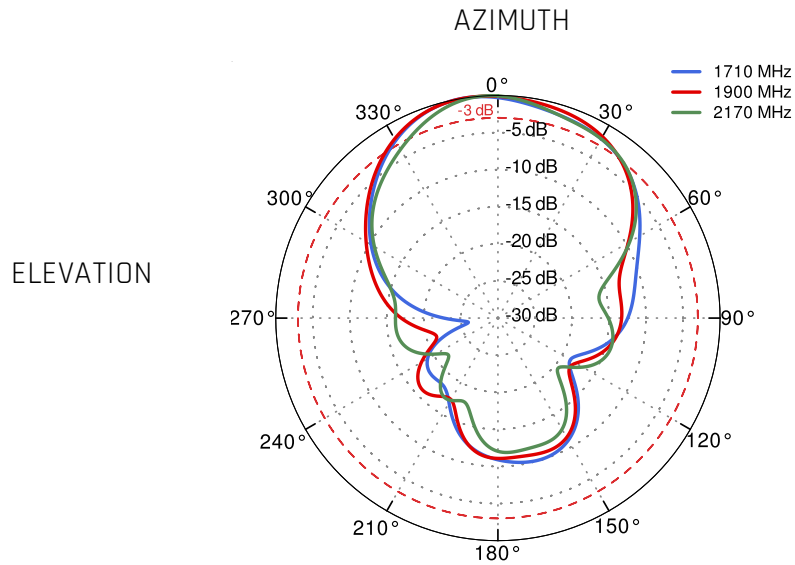
Port 1&3 3.3GHz to 3.8GHz



Port 2&4 700MHz to 900MHz

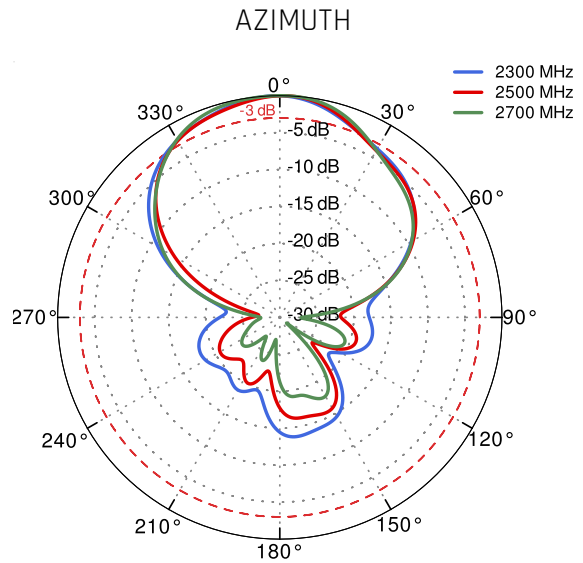
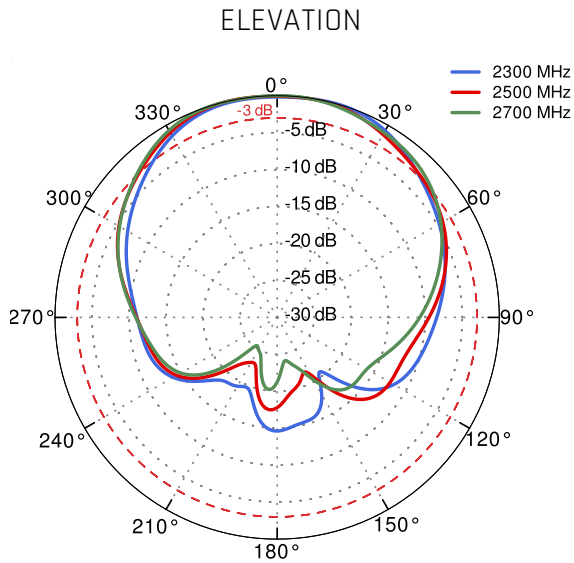


Port 2&4 1.71GHz to 2.17GHz

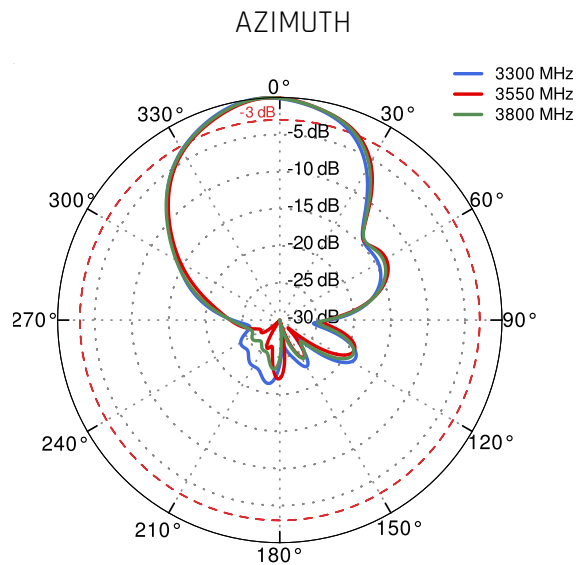
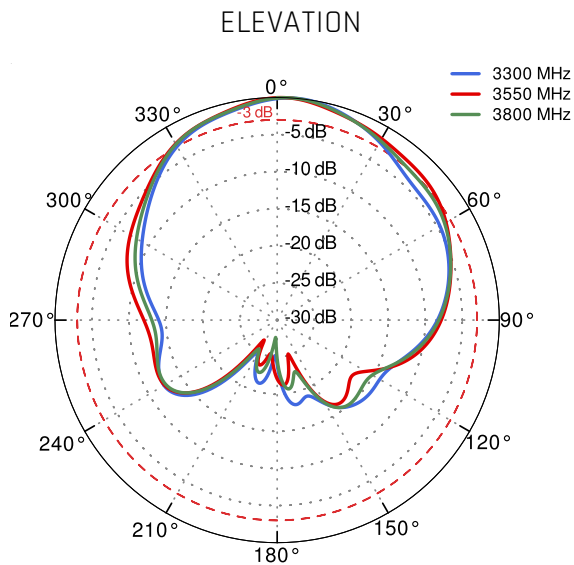




Port 2&4 2.3GHz to 2.7GHz



Port 2&4 3.3GHz to 3.8GHz



## **DIMENSIONS**

