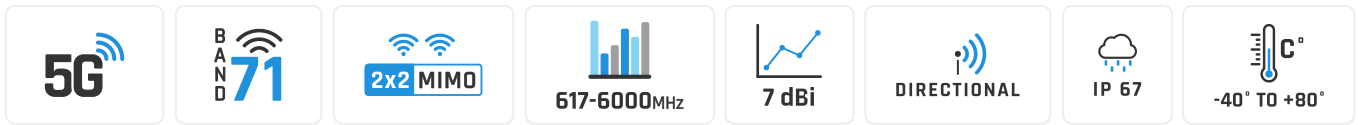


# QuPanel 5G/LTE Global MIMO 2x2

## Directional ultra wideband 5G/LTE MIMO 2x2 antenna

QuPanel **5G**/LTE directional MIMO 2x2 is ultra wideband 5G outdoor antenna. It's primary designed for LTE/5G/3G/2G devices which require high efficiency connections. The antenna covers many LTE bands including the new Extended LTE **Band 71** and frequencies: **600 - 6000MHz**. The mounting bracket allows the antenna to be installed on the pole or on the wall, as the client antenna to receive Internet by LTE/5G/3G/2G. It's ideal solution to use with all industrial and domestic 2x2 5G modems and routers like: Teltonika, Digi, Mikrotik, Robustel, Cisco, etc.



WIDE BAND 600-6000MHZ, 5G TECHNOLOGY



GALVANIZED STEEL, WALL OR POLE MOUNTING BRACKET



TWO SMA CONNECTORS



80° BEAMWIDTH



7DBI GAIN



MADE IN EUROPE



## 5G / LTE ANTENNA SPECIFICATION

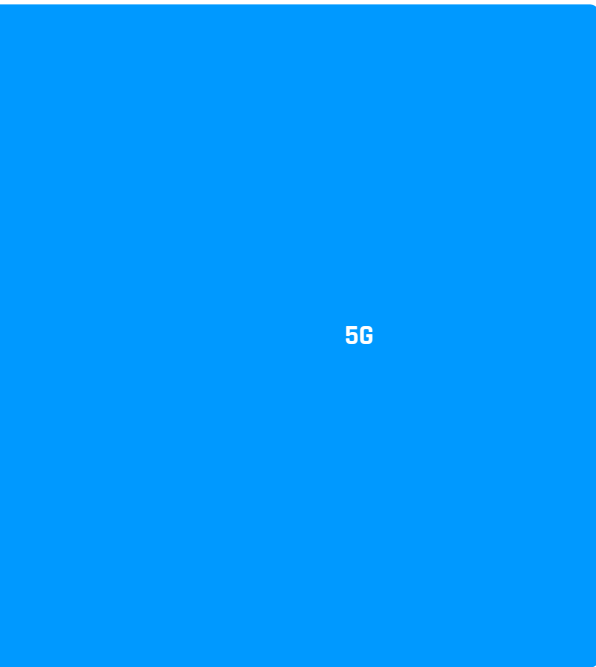
<b>FREQUENCY</b>	617 - 960 MHz 1.7 - 2.7 GHz 3.3 - 4.6 GHz 4.7 - 6.0 GHz
<b>GAIN</b>	617 - 960 MHz : 6 dBi 1.7 - 2.7 GHz : 7 dBi 3.3 - 4.6 GHz : 7 dBi 4.7 - 6.0 GHz : 5.5dBi
<b>SUPPORTED LTE BANDS</b>	1, 2, 3, 4, 5, 7, 8, 9, 10, 12, 13, 14, 17, 18, 19, 20, 22, 25, 26, 27, 28, 29, 30, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 46, 47, 48, 49, 52, 53, 65, 66, 67, 68, 69, 71, 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, n46, n47, n48, n53, n65, n66, n67, n71, n77, n78, n79, n80, n81, n82, n83, n84, n85, n86, n89, n90, n95, n97, n98, n100, n101, n256
<b>VSWR</b>	<2.00, max <3.00
<b>BEAMWIDTH</b>	80°/80° ±15°
<b>POLARIZATION</b>	X (±45degrees)
<b>IMPEDANCE</b>	50 Ω

## MECHANICAL SPECIFICATION

<b>MATERIALS</b>	ABS, aluminum, PTFE, fiberglass
<b>CONNECTOR TYPE</b>	SMA
<b>INGRESS PROTECTION</b>	IP67
<b>DIMENSIONS</b>	486.0 x 292.2 x 105.6 mm 19.13 x 11.50 x 4.16 inch
<b>WEIGHT</b>	2.8 kg 6.17 lbs
<b>OPERATING TEMPERATURE</b>	From -40°C to 80°C From -40°F to 176°F

## FREQUENCY BANDS

<b>LTE / 4G</b>	1	2	3	4	5	7	8	6000 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		
	46	47	48	49	52	53	65		
	66	67	68	69	71	85	103		
	106								
	617 MHZ								



n1	n2	n3	n5	n7	n8	n12		
n13	n14	n18	n20	n25	n26	n28		
n29	n30	n34	n38	n39	n40	n41		
617 MHz	n46	n47	n48	n53	n65	n66	n67	6000 MHz
n71	n77	n78	n79	n80	n81	n82		
n83	n84	n85	n86	n89	n90	n95		
n97	n98	n100	n101	n256				

## COMPATIBLE ROUTERS

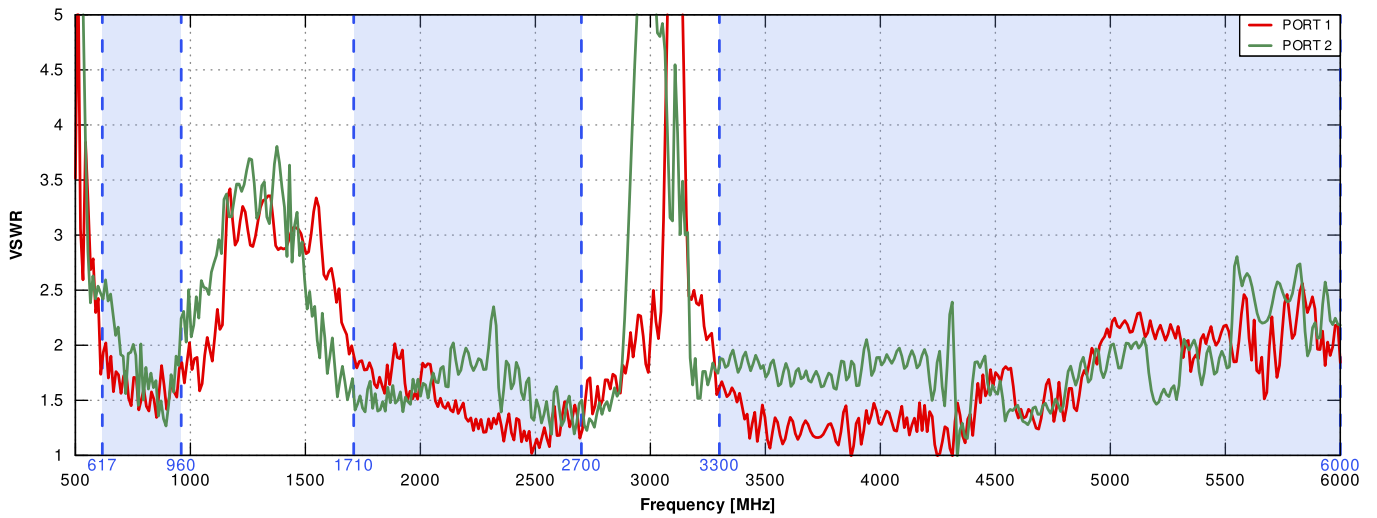
VARIANTS: AP5G2-G, AP5G2-G1

<b>TELTONIKA</b>	RUT200, RUT230, RUT240, RUT241, RUT260, RUT900, RUT901, RUT950, RUT951, RUT955, RUT956, RUTX09, RUTX11
<b>DIGI</b>	6310-DX, 6330-MX, EX12, EX15, IX10, IX20, WR31
<b>ROBUSTEL</b>	EG5100, LG5100, R1500, R1510, R1511P, R151x, R1520 Global, R2010, R2011, R201x, R2110, R3000 Industrial, R3000 LG, R3000 Lite, R3000 Quad, R3010
<b>ANYBUS</b>	Wireless Router WLAN
<b>COMSET</b>	CM210A-W, CM210Q-W, CM510Q-W, CM685T-W, CM685V-1, CM685V-4, CM685V-6, CM685V-6-G, CM820T-W, CM820V-4, CM820V-W
<b>CRADLEPOINT</b>	CBA550, E100, E102, IBR200, IBR600C, IBR900, L950
<b>D-LINK</b>	G415 AX1500, G416 AX1500, N300 4G
<b>DIGI</b>	6310-DX, 6330-MX, EX12, EX15, IX10, IX20, WR31

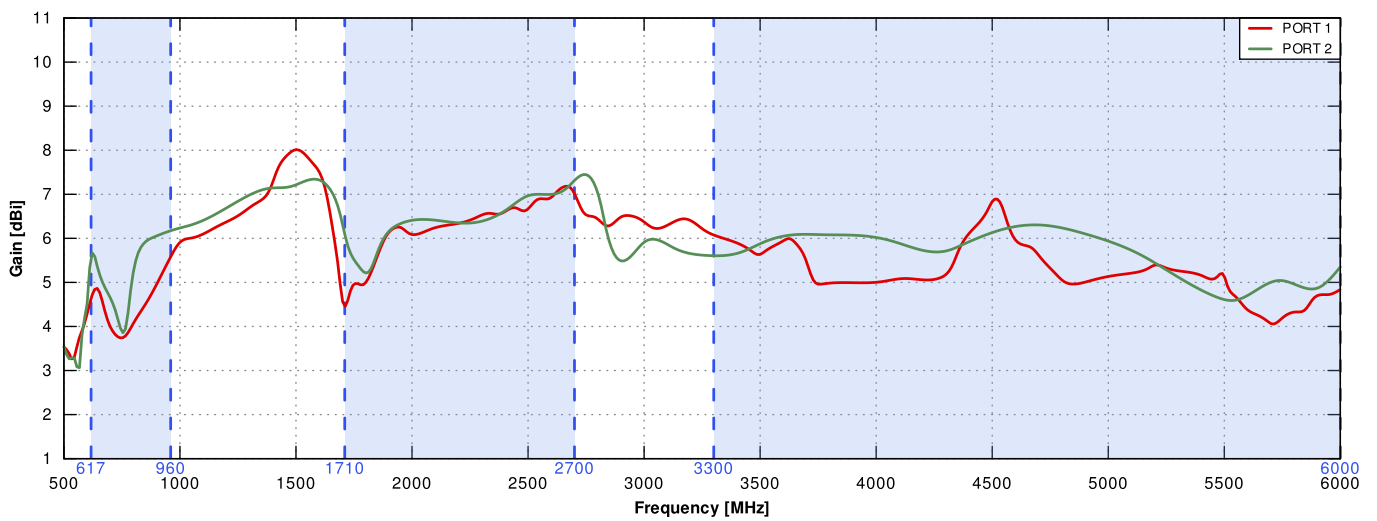
<b>FORTINET</b>	FEX-101F, FEX-201F, FEX-211E, FEX-212F
<b>FOUR-FAITH</b>	4G Cellular Router F-R100, Cellular Wireless Router F-R200, Dual-sim WiFi Router F3946, Industrial WiFi Router F3X36Q, LAN Port Router F3X26 V2, LTE Industrial Router F3X27 V2, LTE Wireless Router F3x36
<b>MIKROTIK</b>	RB912, RB922, RBM11G, RBM33G
<b>PEPLINK</b>	MAX BR1 Classic, MAX BR1 ENT, MAX BR1 M2M, MAX BR1 Mini, MAX BR1 MK2, MAX BR1 Pro, MAX BR1 Slim
<b>PROROUTE</b>	H685 4G Router
<b>ROBUSTEL</b>	EG5100, LG5100, R1500, R1510, R1511P, R151x, R1520 Global, R2010, R2011, R201x, R2110, R3000 Industrial, R3000 LG, R3000 Lite, R3000 Quad, R3010
<b>SIEMENS</b>	6GK5876-4AA00-2BA2, 6GK5876-4AA00-2DA2, 6GK5876-4AA10-2BA2
<b>SIERRA WIRELESS</b>	AirLink LX40, AirLink LX60, AirLink MP70, AirLink RV50X, AirLink RV55, AirLink RX55
<b>TELTONIKA</b>	RUT200, RUT230, RUT240, RUT241, RUT260, RUT900, RUT901, RUT950, RUT951, RUT955, RUT956, RUTX09, RUTX11
<b>WAVETEL</b>	W2400 LTE , W3600 4G/LTE Dual WAN, W3604 Multi-WAN, W3608 Multi-WAN, W421, W4600, W4600-S2
<b>WLINK</b>	G200, G510, G520, R210, R220, R520
<b>ZYXEL</b>	NR5101
<b>OTHER</b>	2 * SMA, 3 * SMA

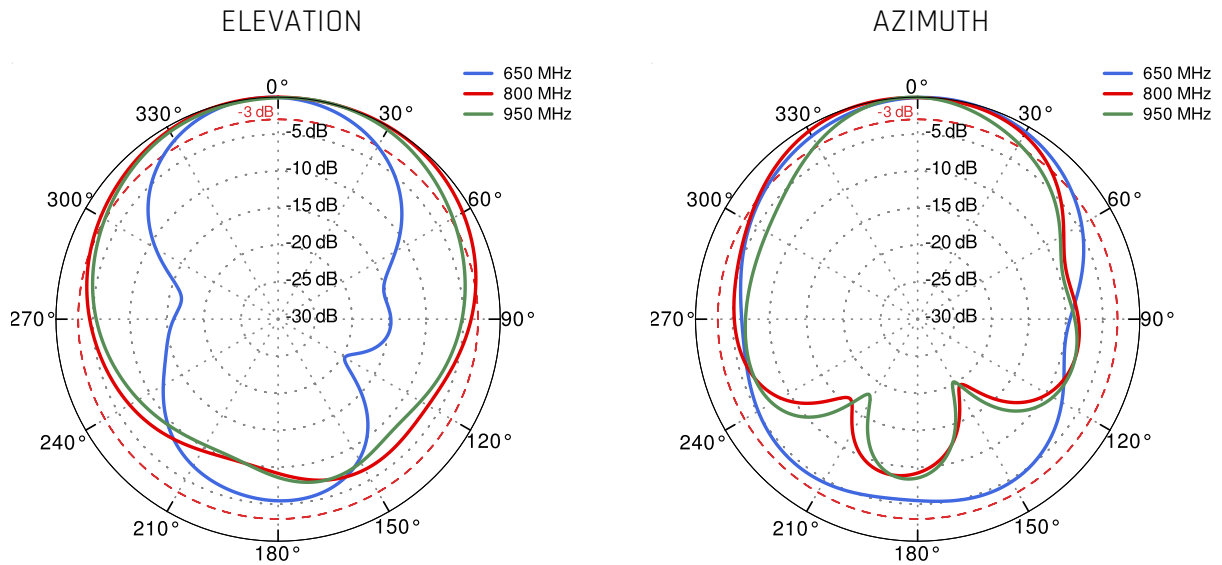
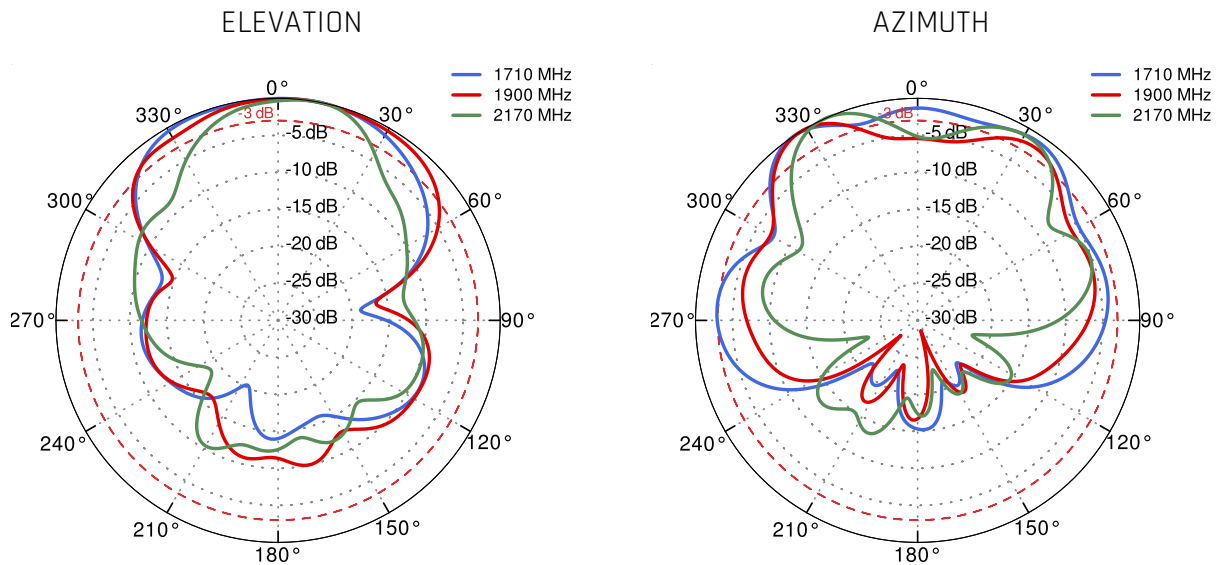
# PLOTS

## VSWR

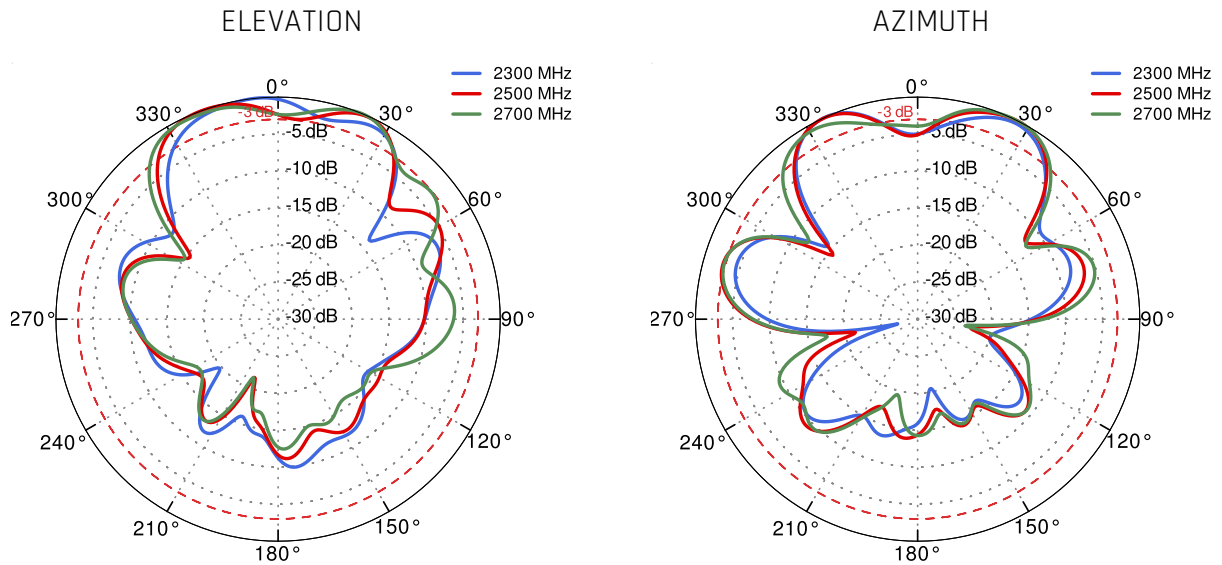


## Gain

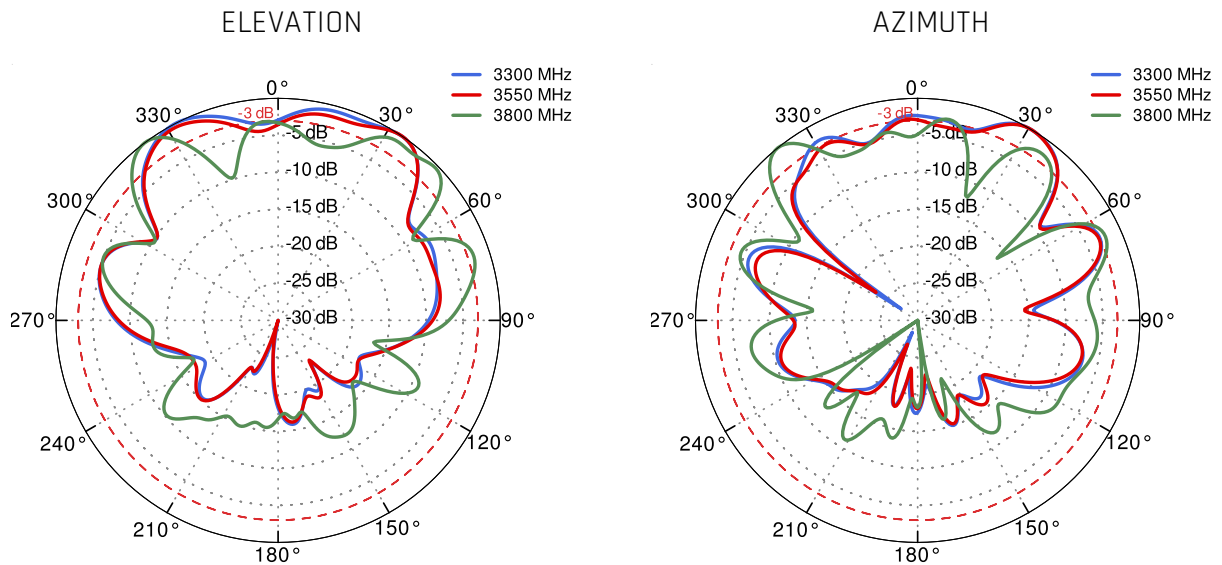


**PORT 1 - 5G/LTE from 650MHz to 950MHz**

**PORT 1 - 5G/LTE from 1.71GHz to 2.17GHz**


PORT 1 - 5G/LTE from 2.3GHz to 2.7GHz

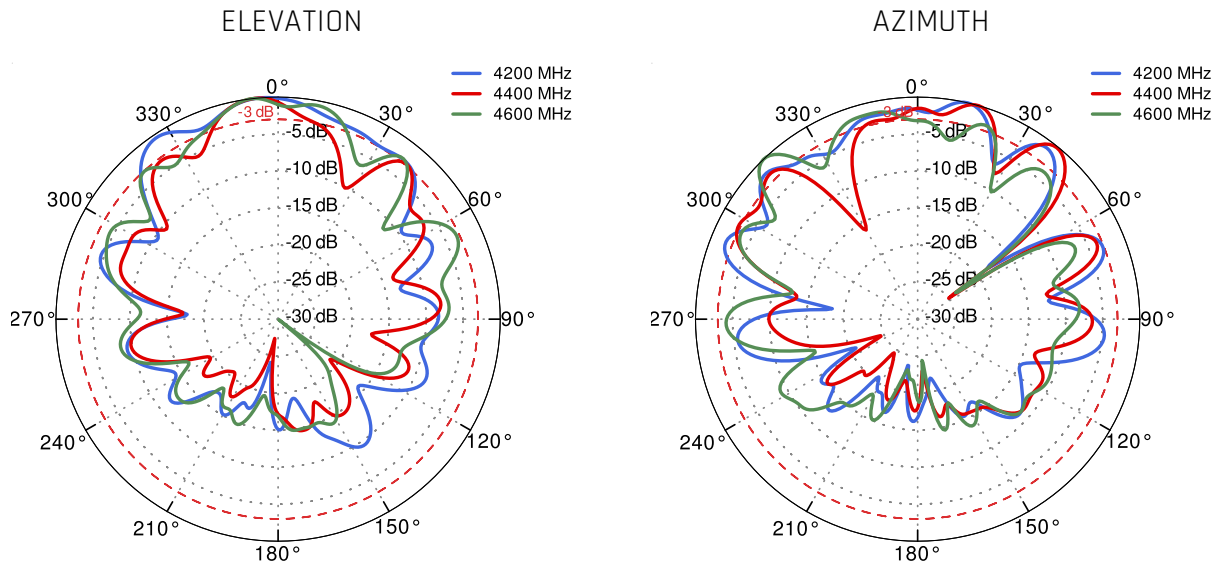


PORT 1 - 5G/LTE from 3.3GHz to 3.8GHz

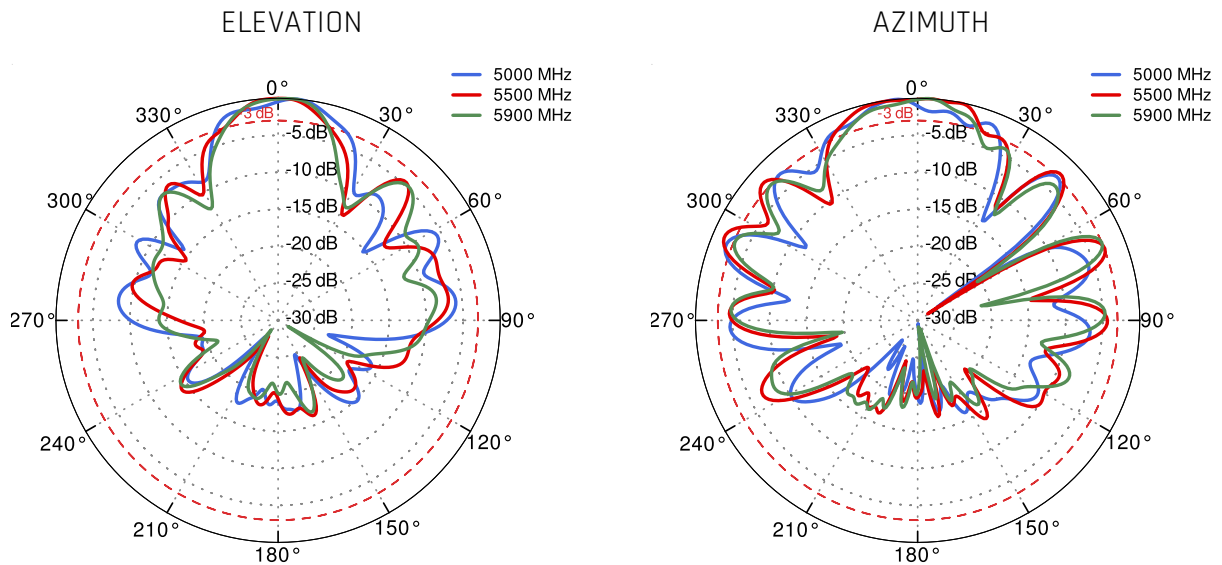




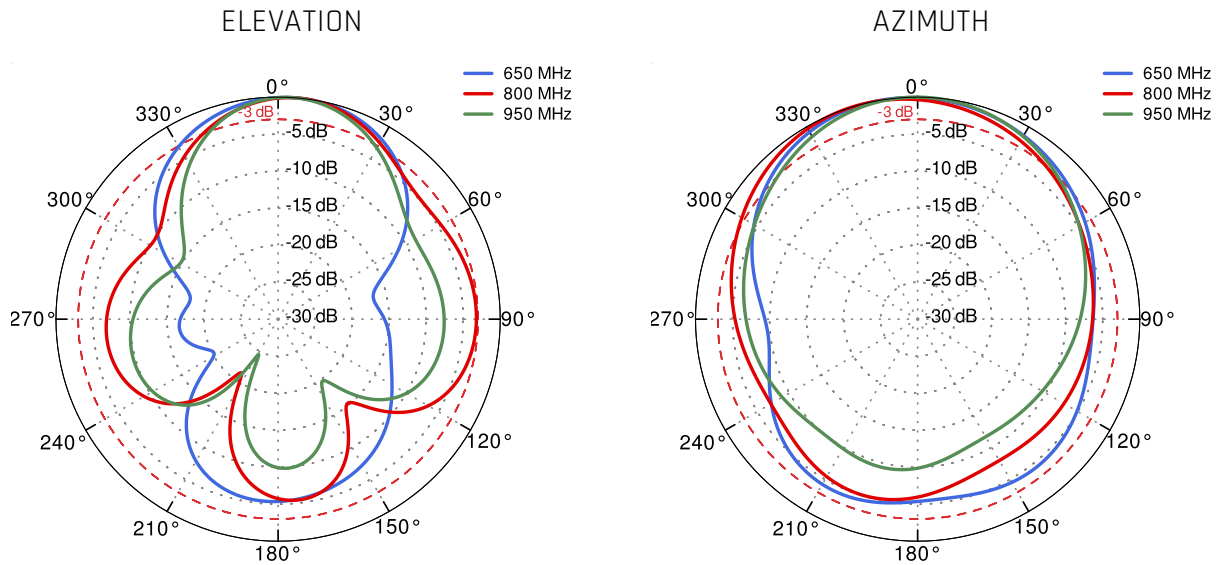
PORT 1 - 5G/LTE from 4.2GHz to 4.6GHz



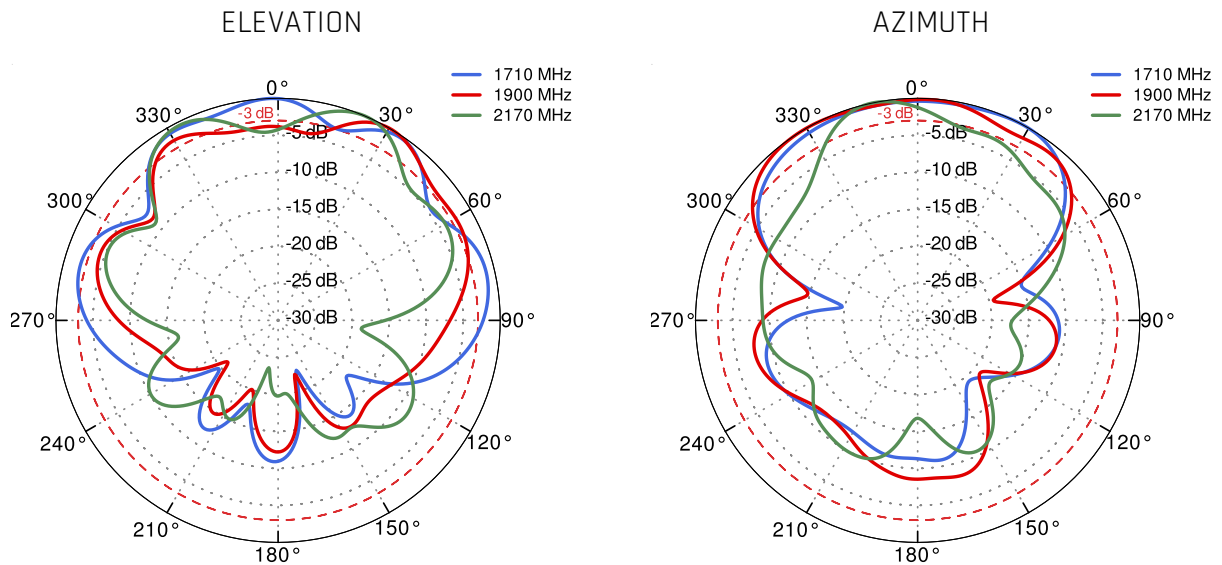
PORT 1 - 5G/LTE from 5.0GHz to 5.9GHz

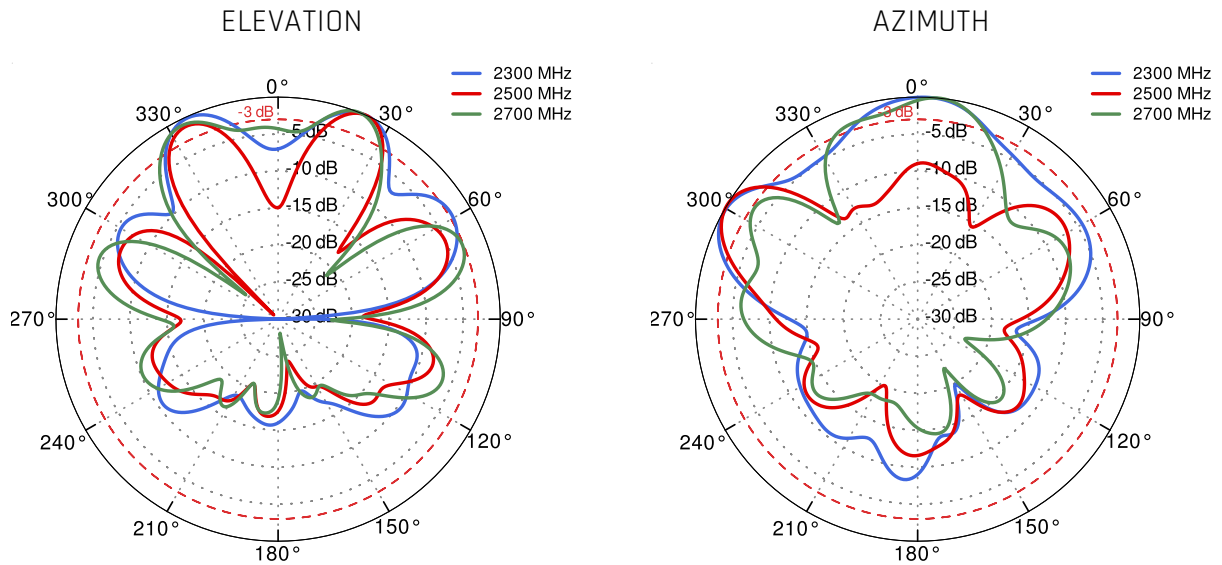
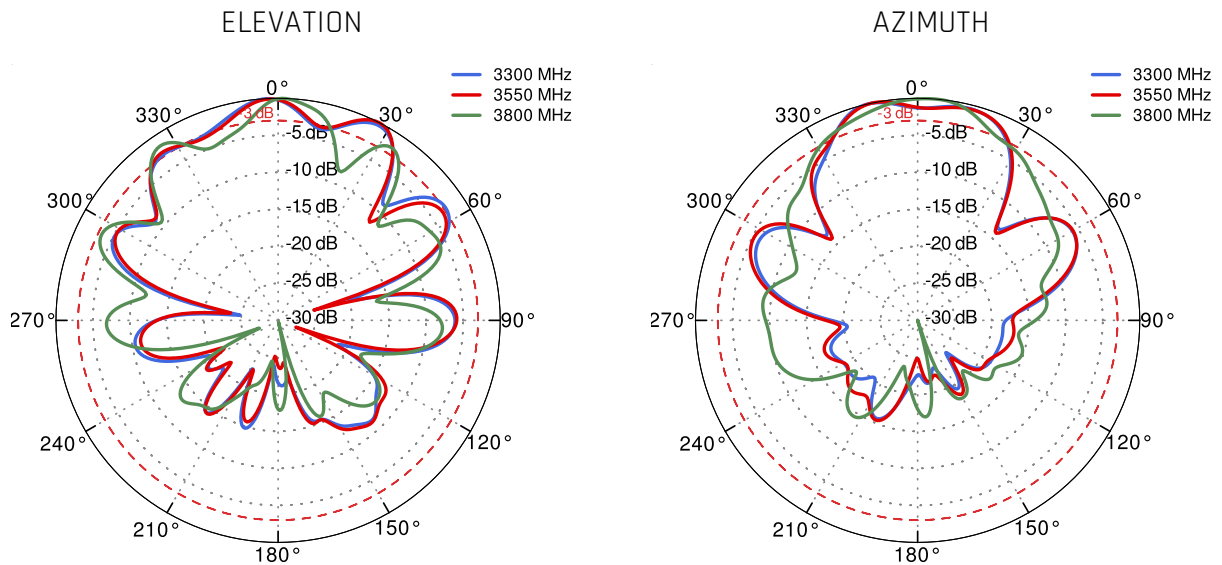


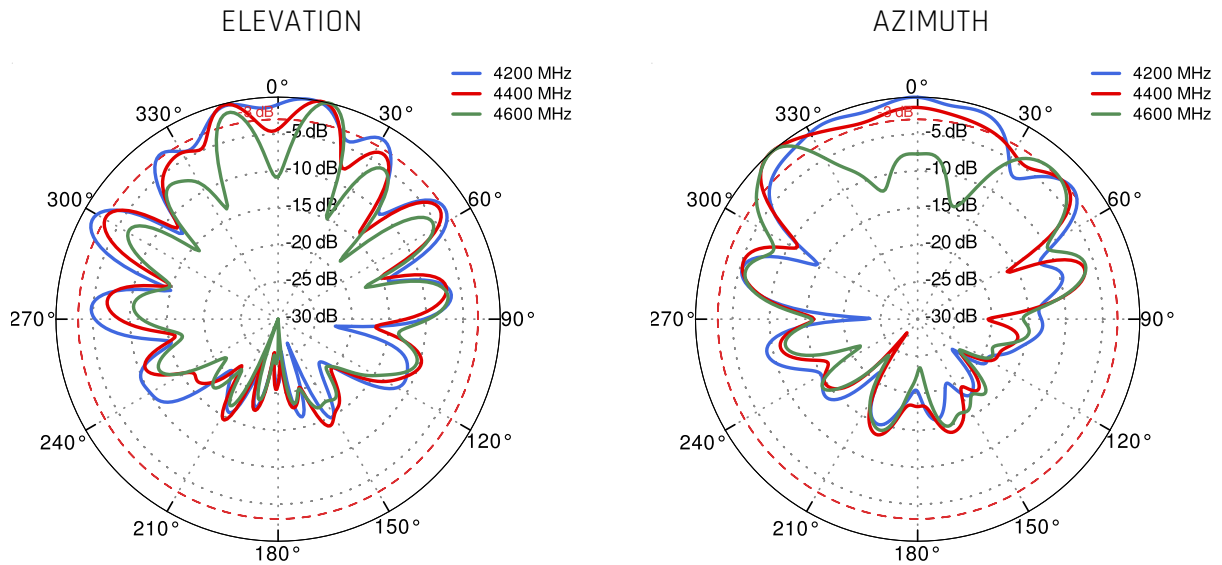
PORT 2 - 5G/LTE from 650MHz to 950MHz



PORT 2 - 5G/LTE from 1.71GHz to 2.17GHz



**PORT 2 - 5G/LTE from 2.3GHz to 2.7GHz**

**PORT 2 - 5G/LTE from 3.3GHz to 3.8GHz**


**PORT 2 - 5G/LTE from 4.2GHz to 4.6GHz****PORT 2 - 5G/LTE from 5.0GHz to 5.9GHz**