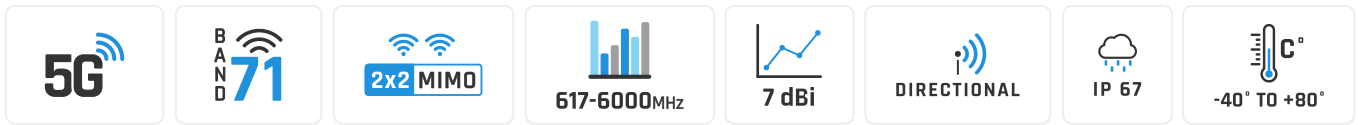


QuPanel 5G/LTE Global MIMO 2x2

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

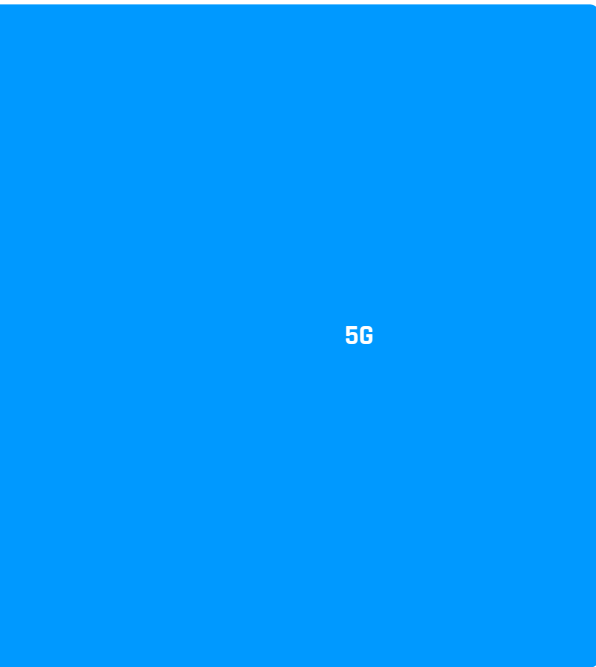
FREQUENCY	617 - 960 MHz 1.7 - 2.7 GHz 3.3 - 4.6 GHz 4.7 - 6.0 GHz
GAIN	617 - 960 MHz : 6 dBi 1.7 - 2.7 GHz : 7 dBi 3.3 - 4.6 GHz : 7 dBi 4.7 - 6.0 GHz : 5.5dBi
SUPPORTED LTE BANDS	1, 2, 3, 4, 5, 7, 8, 9, 10, 12, 13, 14, 17, 18, 19, 20, 22, 25, 26, 27, 28, 29, 30, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 46, 47, 48, 49, 52, 53, 65, 66, 67, 68, 69, 71, 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, 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
VSWR	<2.00, max <3.00
BEAMWIDTH	80°/80° ±15°
POLARIZATION	X (±45degrees)
IMPEDANCE	50 Ω

MECHANICAL SPECIFICATION

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

FREQUENCY BANDS

LTE / 4G	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

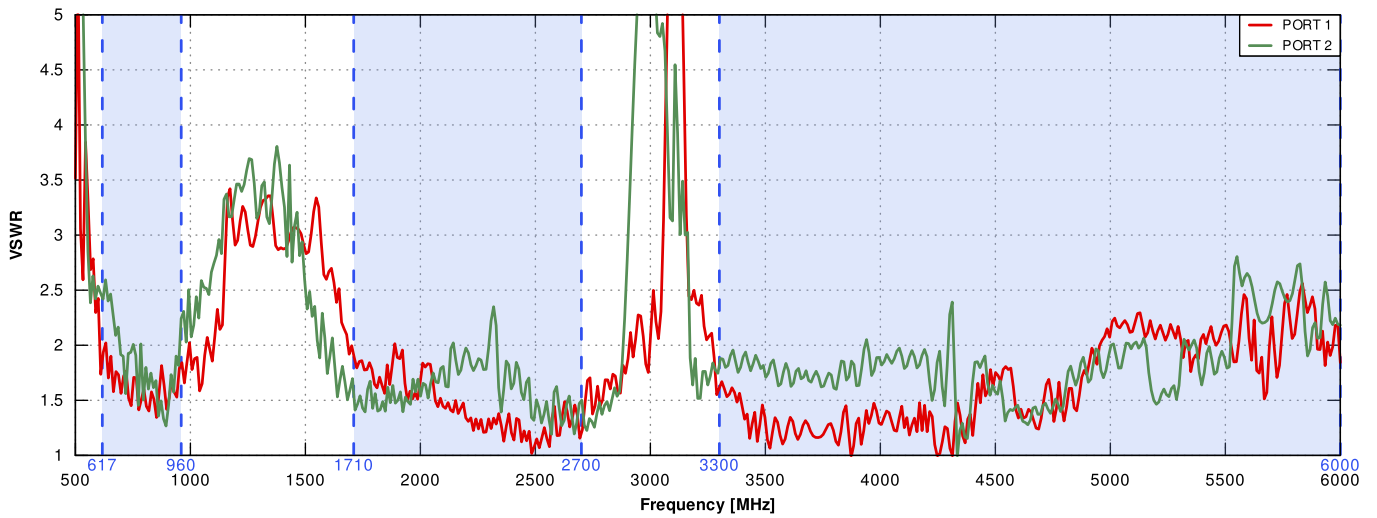
VARIANTS: AP5G2-G, AP5G2-G1

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

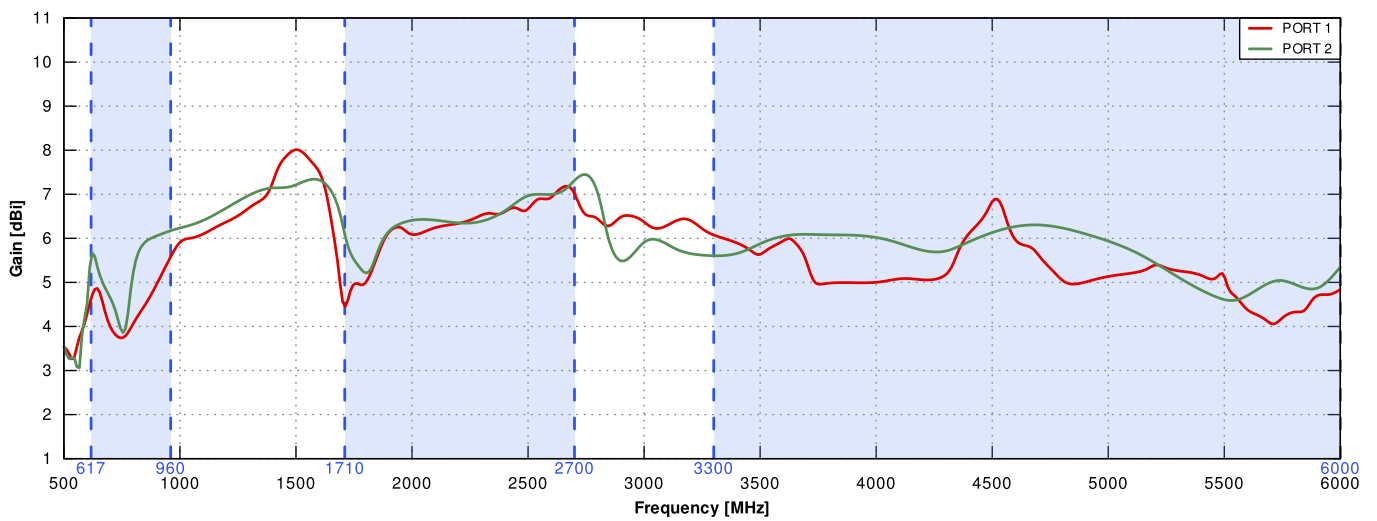
FORTINET	FEX-101F, FEX-201F, FEX-211E, FEX-212F
FOUR-FAITH	4G Cellular Router F-R100, Cellular Wireless Router F-R200, Dual-sim WiFi Router F3946, Industrial WiFi Router F3X36Q, LAN Port Router F3X26 V2, LTE Industrial Router F3X27 V2, LTE Wireless Router F3x36
MIKROTIK	RB912, RB922, RBM11G, RBM33G
PEPLINK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

PLOTS

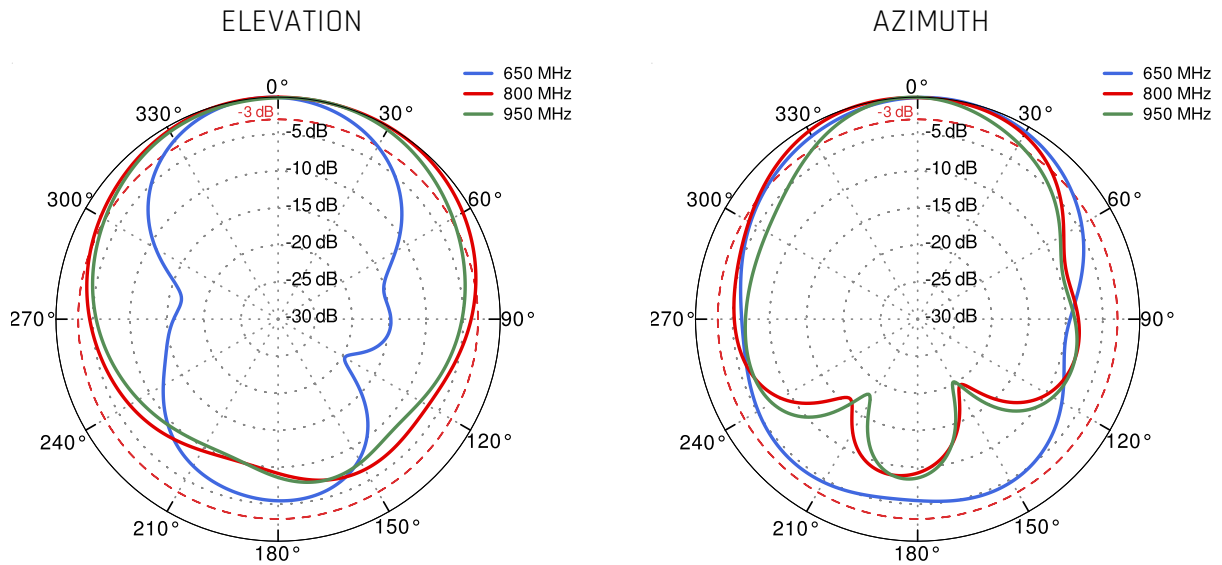
VSWR



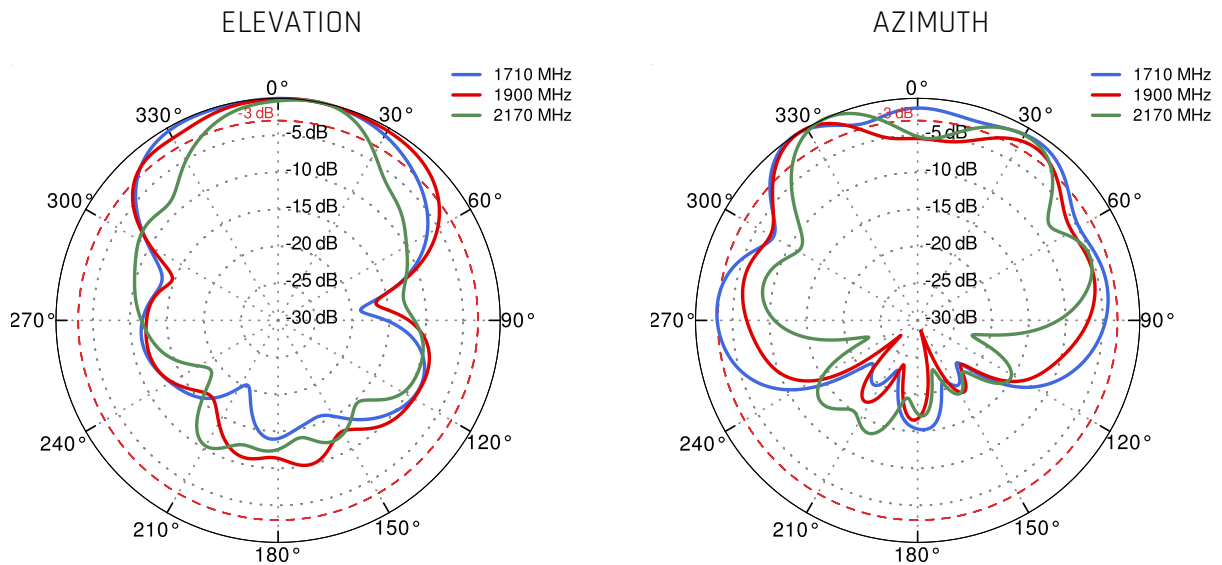
Gain



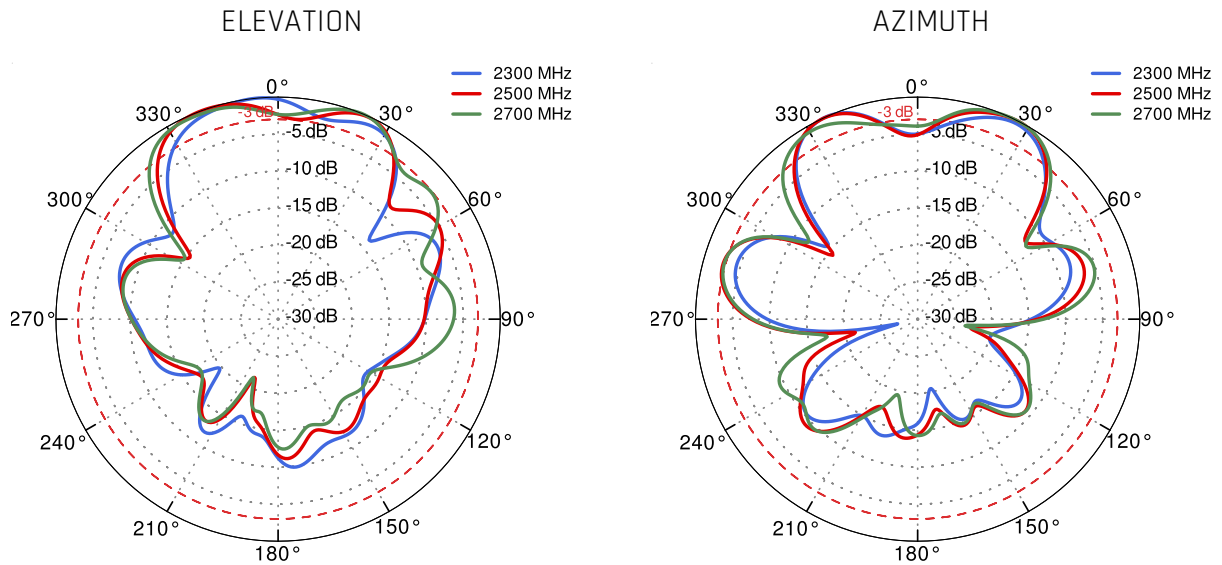
PORT 1 - 5G/LTE from 650MHz to 950MHz



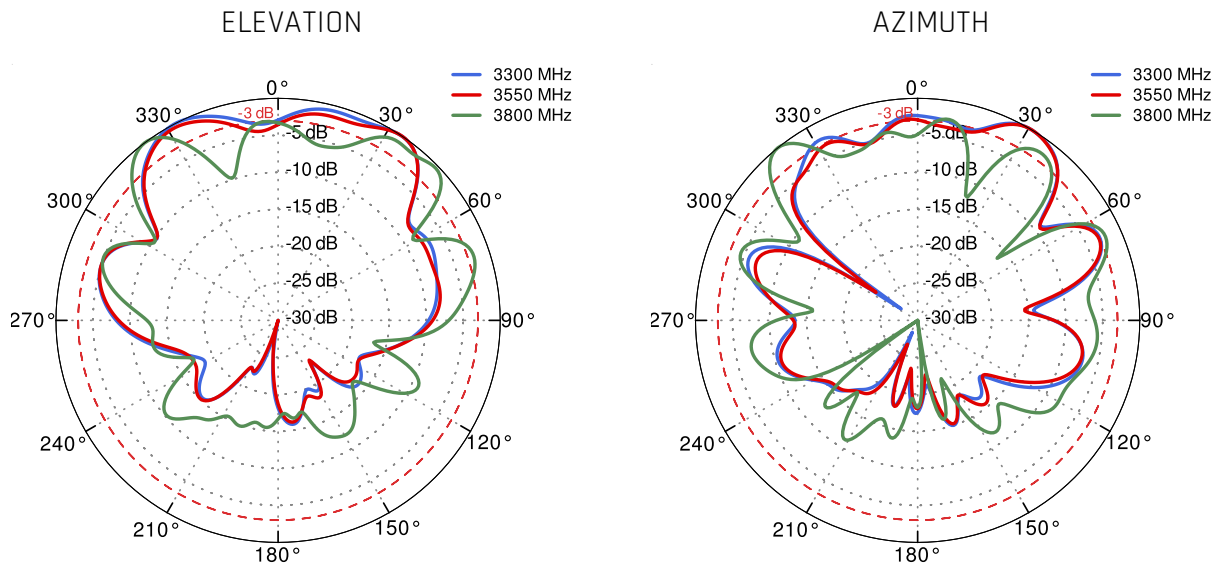
PORT 1 - 5G/LTE from 1.71GHz to 2.17GHz



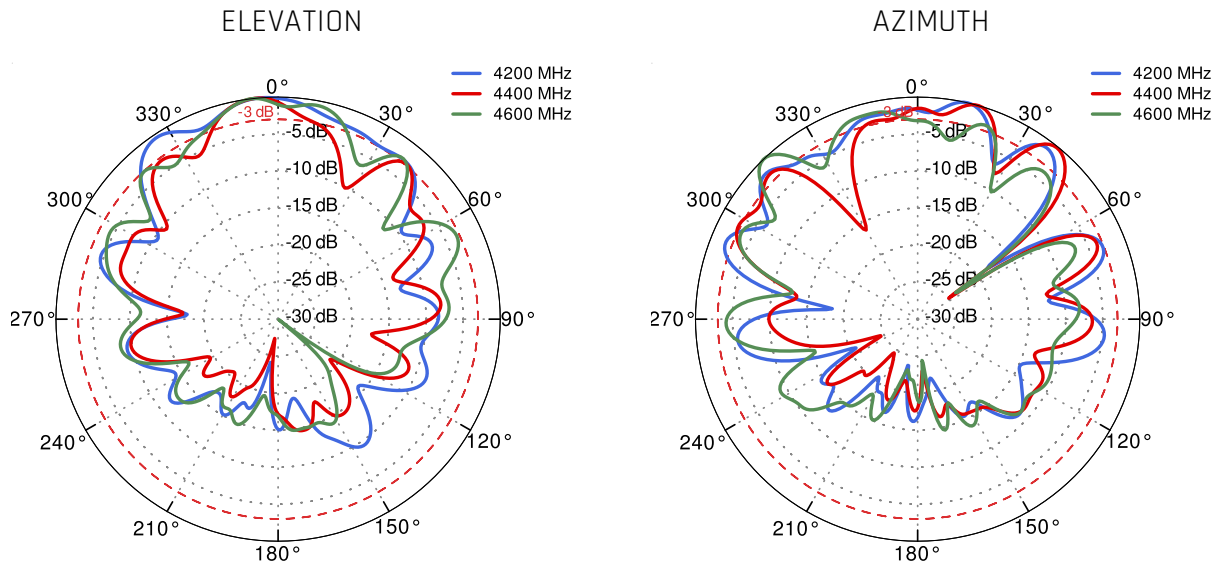
PORT 1 - 5G/LTE from 2.3GHz to 2.7GHz



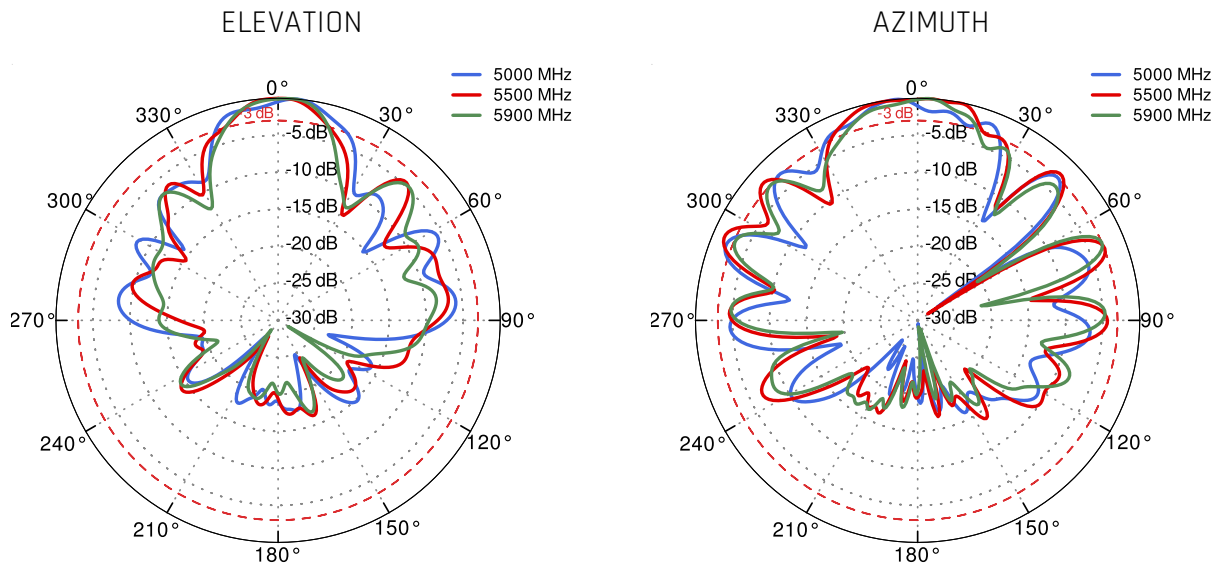
PORT 1 - 5G/LTE from 3.3GHz to 3.8GHz



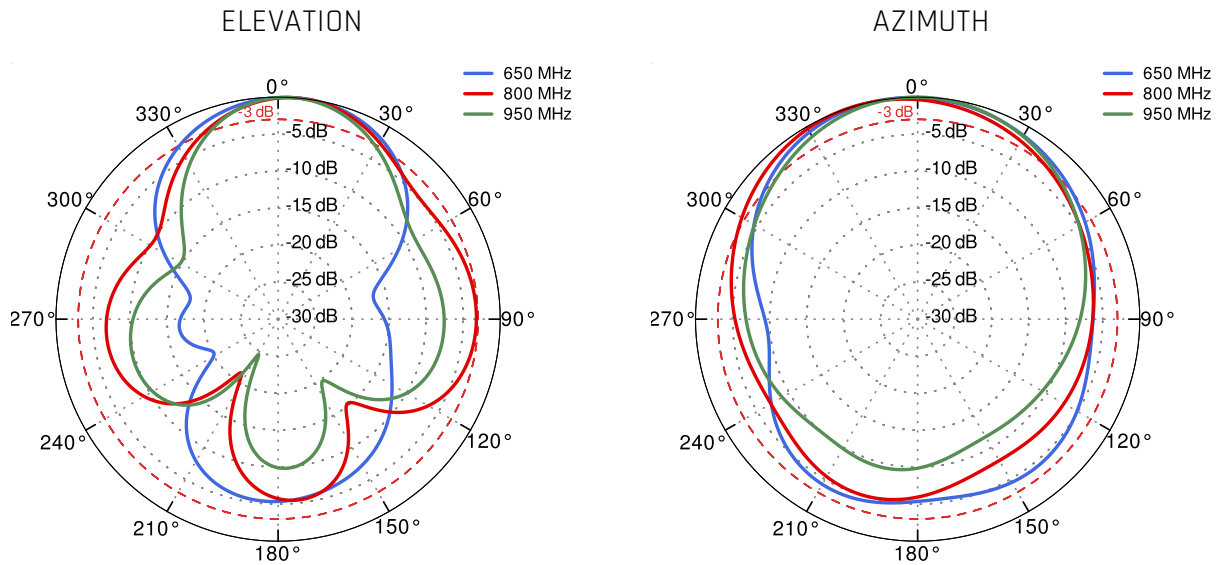
PORT 1 - 5G/LTE from 4.2GHz to 4.6GHz



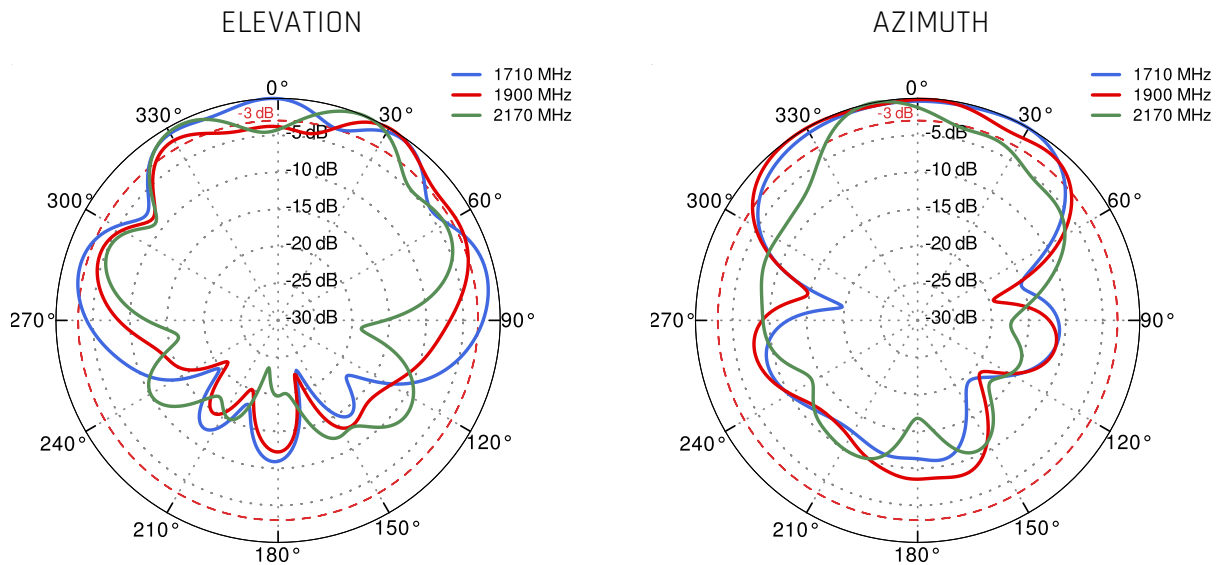
PORT 1 - 5G/LTE from 5.0GHz to 5.9GHz



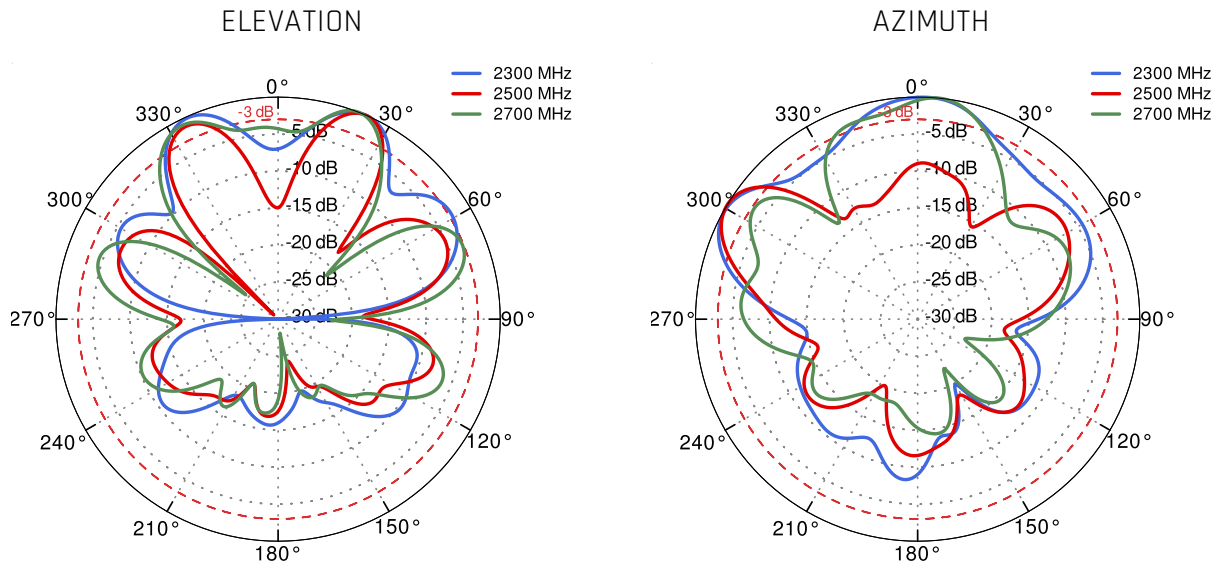
PORT 2 - 5G/LTE from 650MHz to 950MHz



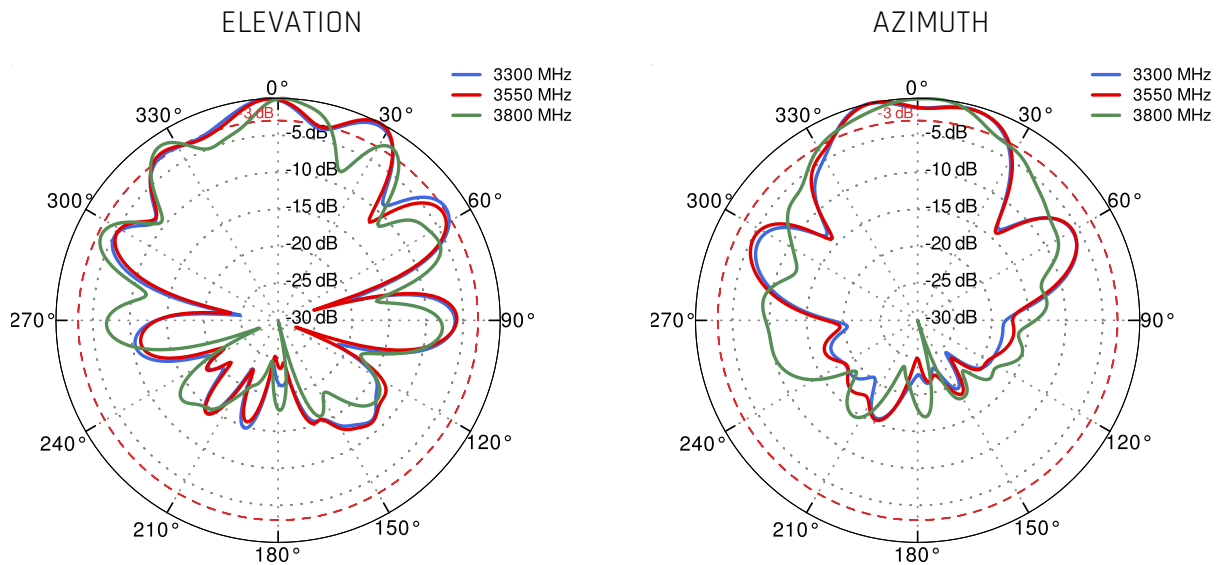
PORT 2 - 5G/LTE from 1.71GHz to 2.17GHz

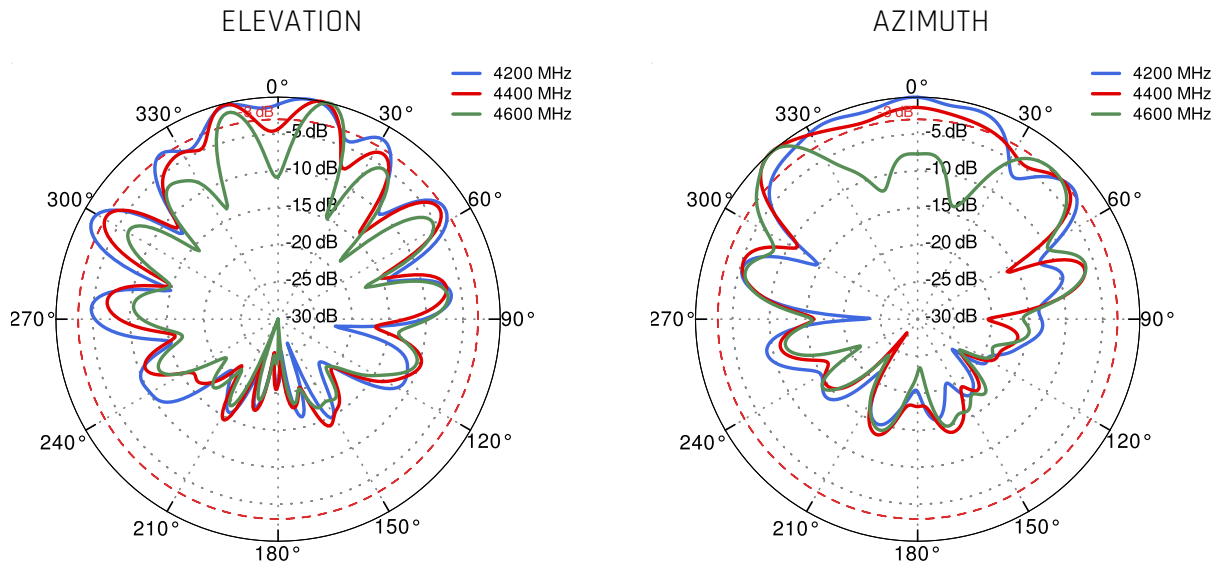


PORT 2 - 5G/LTE from 2.3GHz to 2.7GHz



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**