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.

5G | BAND 71 | 2x2 MIMO | 617-6000MHz | 7 dBi | DIRECTIONAL | IP 67 | -40° TO +80°

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

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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
MAST DIAMETER	25-60mm 0.98-2.36 inch

FREQUENCY BANDS

LTE / 4G	617 MHz	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
	6000 MHz	

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5G	617 MHz	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		
	6000 MHz							

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, IX15, IX20, IX30, WR31
ROBUSTEL	EG5100, LG5100, R1500, R1510, R1511P, R151x, R1520 Global, R1520-4L (S), R1520-4L (V), R2010, R2011, R201x, R2110, R3000, R3000 Industrial, R3000 LG, R3000 Lite, R3000 Quad, R3010
ACKSYS	AirBox LTE, AirWan
ANYBUS	Wireless Router WLAN
COMSET	CM210A-W, CM210Q-W, CM510Q-W, CM685T-W, CM685V-1, CM685V-4, CM685V-6, CM685V-6-G, CM820Q-4, CM820Q-6, CM820T-W, CM820V-4, CM820V-W
CRADLEPOINT	CBA550, E100, E102, IBR200, IBR600C, IBR900, L950, R500, R920, S700

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D-LINK	DWR-960, G415 AX1500, G416 AX1500, N300 4G
DIGI	6310-DX, 6330-MX, EX12, EX15, IX10, IX15, IX20, IX30, WR31
FORTINET	FEX-101F, FEX-201F, FEX-211E, FEX-212F, FortiGate Rugged 60F-3G4G, FortiGate Rugged 70F-3G4G
FOUR-FAITH	4G Cellular Router F-R100, 4G Industrial Computer F4931-R2H, 4G Industrial Computer F4932-R2H-DF1, Android Industrial Computer F4932-R1Q, Cellular Wireless Router F-R200, Dual Sim 4G Router F3X46, Dual-sim WiFi Router F3946, Edge Computing Gateway F-G100, Industrial WiFi Router F3X36Q, LAN Port Router F3X26 V2, LTE Industrial Router F3X27 V2, LTE Wireless Router F3x36
MIKROTIK	RB912, RB922, RBM11G, RBM33G
MILESIGHT	UR32
OPTION	CloudGate LTE WW CAT4
PEPLINK	Balance 20X, Balance 310 5G, MAX BR1 Classic, MAX BR1 ENT, MAX BR1 IP55, MAX BR1 M2M, MAX BR1 Mini, MAX BR1 Mini (HW3), MAX BR1 Mini Core (HW3), MAX BR1 Mini M2M, MAX BR1 MK2, MAX BR1 Pro, MAX BR1 Slim
PROROUTE	H685 4G Router, H685 LTE 4G CAT6 Router, H820 M2M 4G Router
ROBUSTEL	EG5100, LG5100, R1500, R1510, R1511P, R151x, R1520 Global, R1520-4L (S), R1520-4L (V), R2010, R2011, R201x, R2110, R3000, 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

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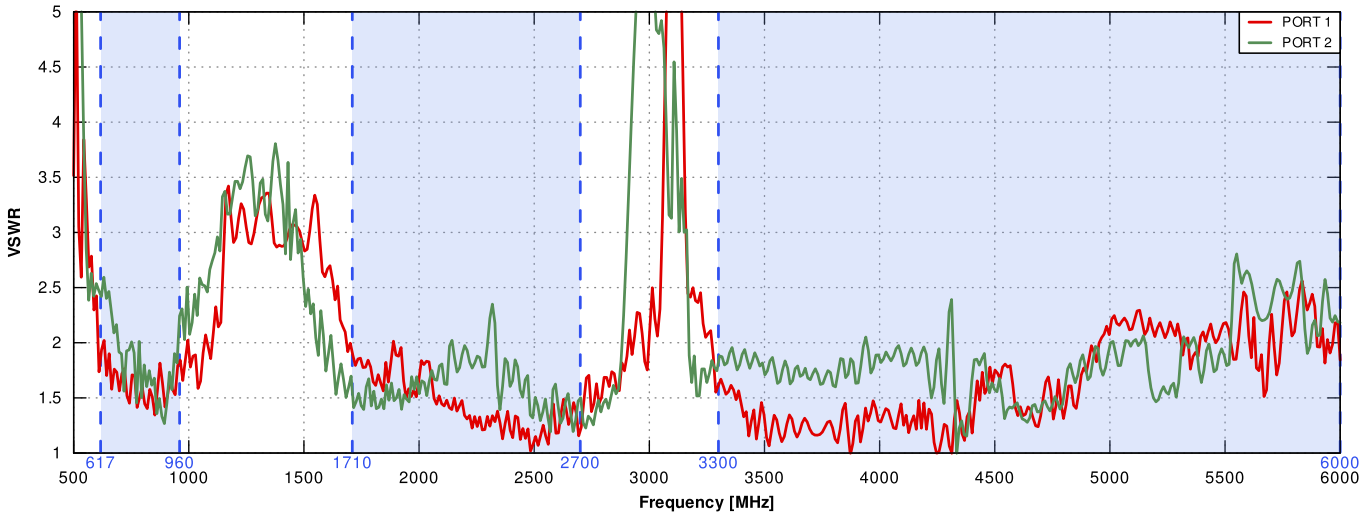
WAVETEL	W2400 LTE , W3600 4G/LTE Dual WAN, W3604 Multi-WAN, W3608 Multi-WAN, W421, W4600, W4600-S2
WLINK	ER120, G200, G510, G520, R210, R220, R520
ZYXEL	LTE3202-M437, LTE3301-PLUS, LTE5388-M804, LTE5398-M904, NR5101
OTHER	2 * SMA, 3 * SMA

PLOTS

VSWR



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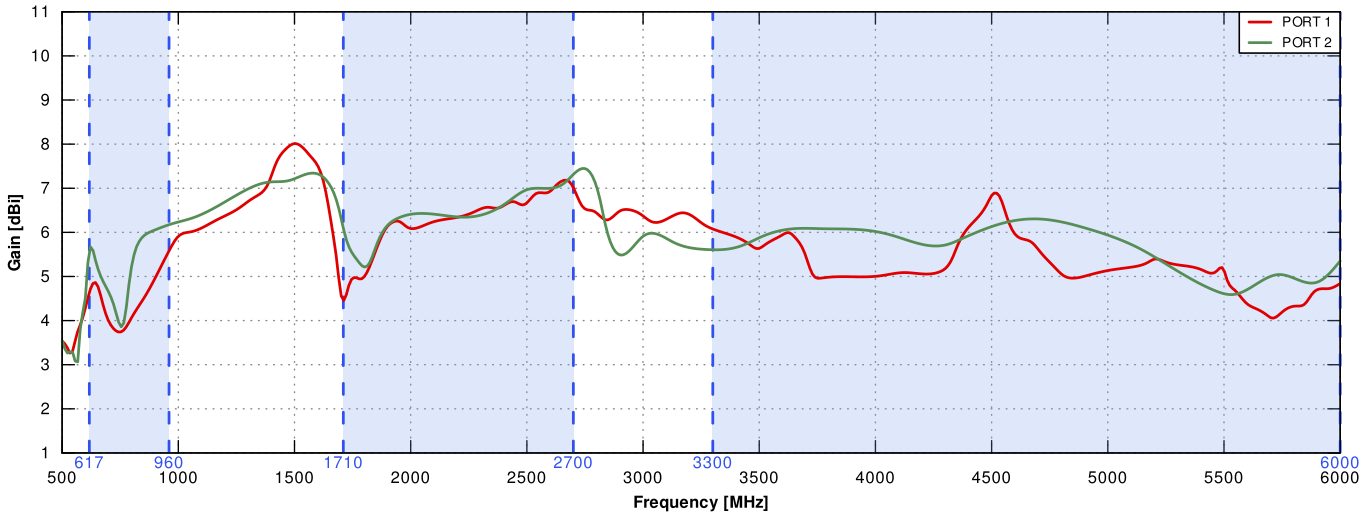
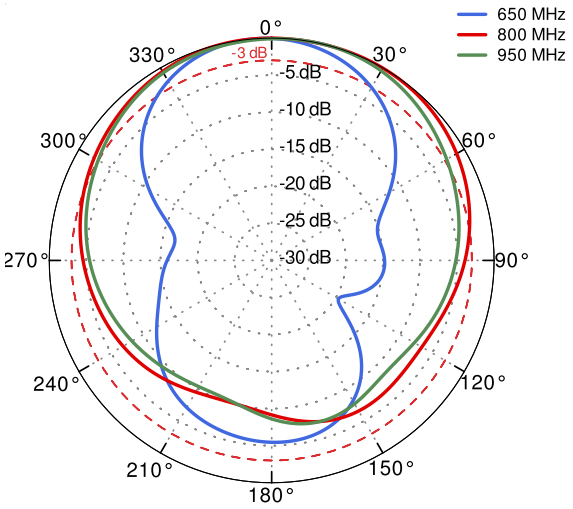
Gain



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

ELEVATION



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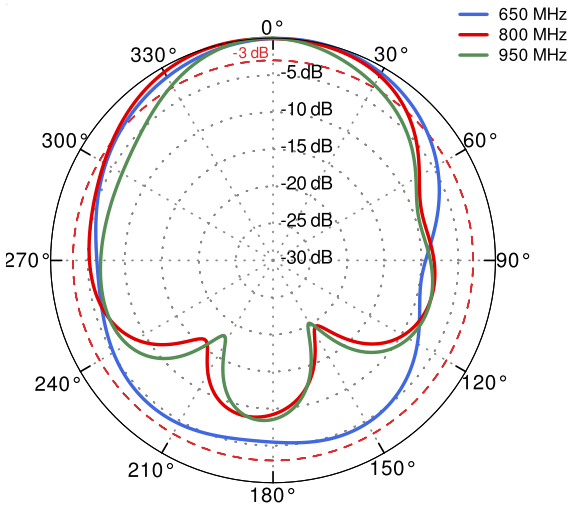

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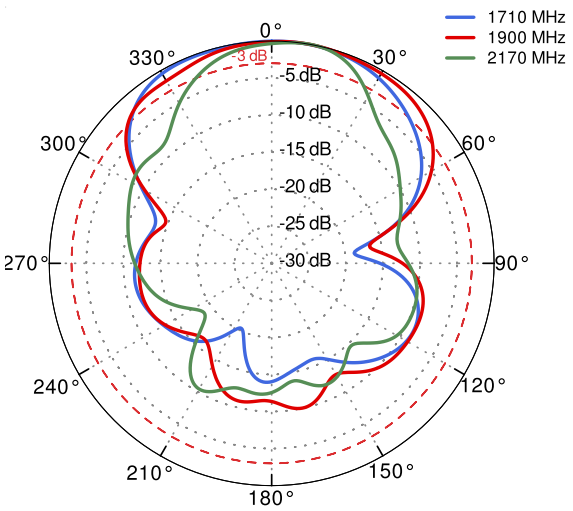
PORT 1 - 5G/LTE from 1.71GHz to 2.17GHz

ELEVATION



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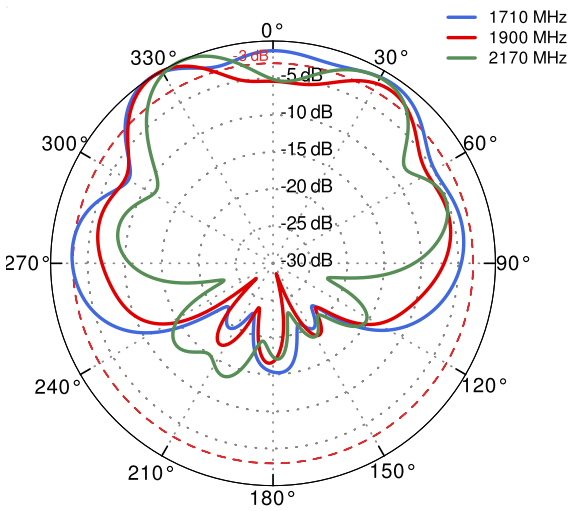
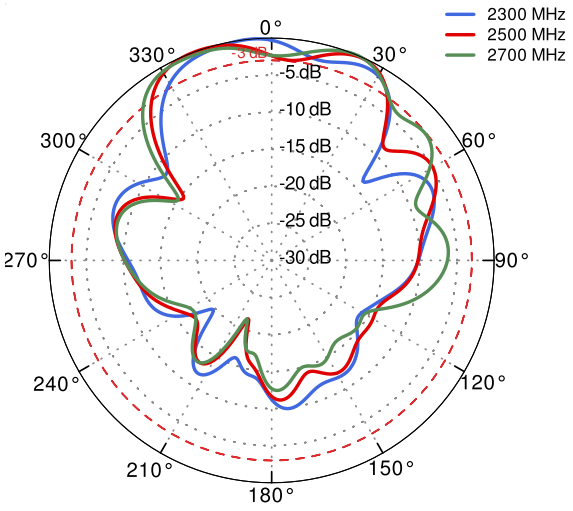


PORT 1 - 5G/LTE from 2.3GHz to 2.7GHz

ELEVATION



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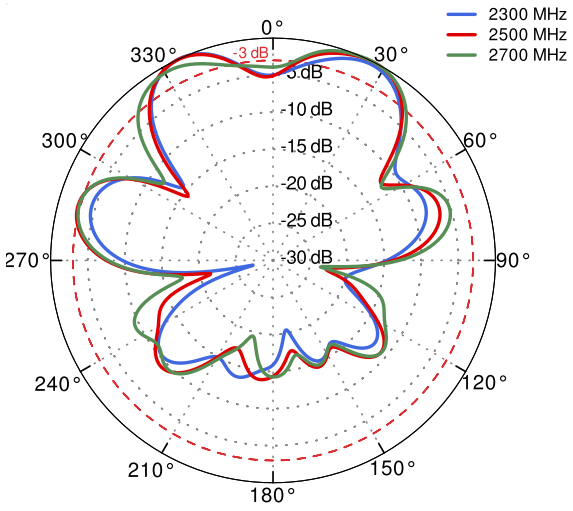

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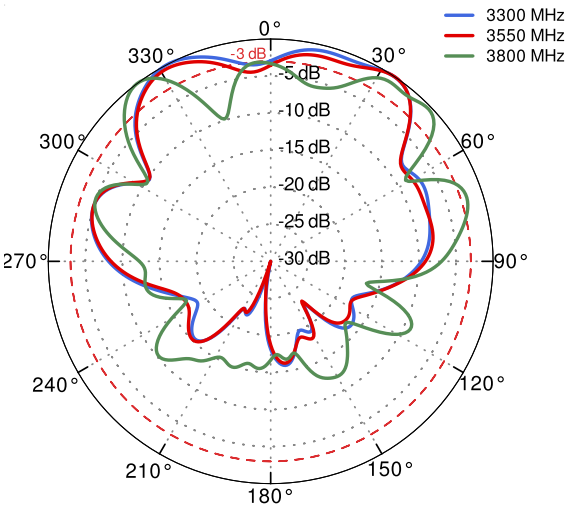
PORT 1 - 5G/LTE from 3.3GHz to 3.8GHz

ELEVATION



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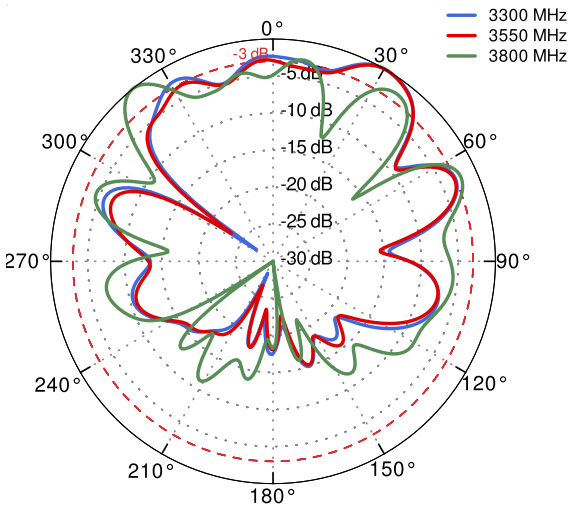
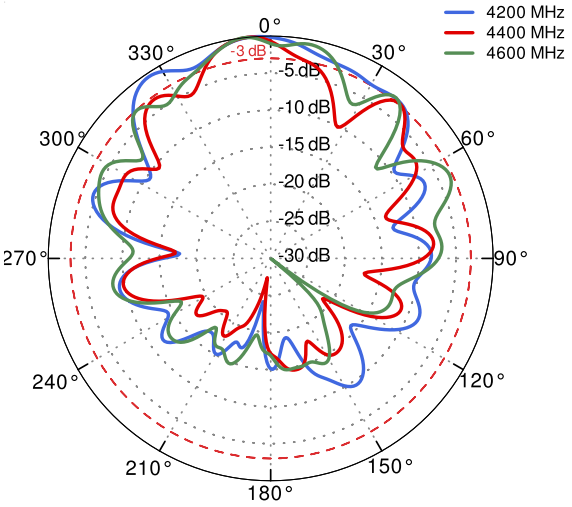


PORT 1 - 5G/LTE from 4.2GHz to 4.6GHz

ELEVATION



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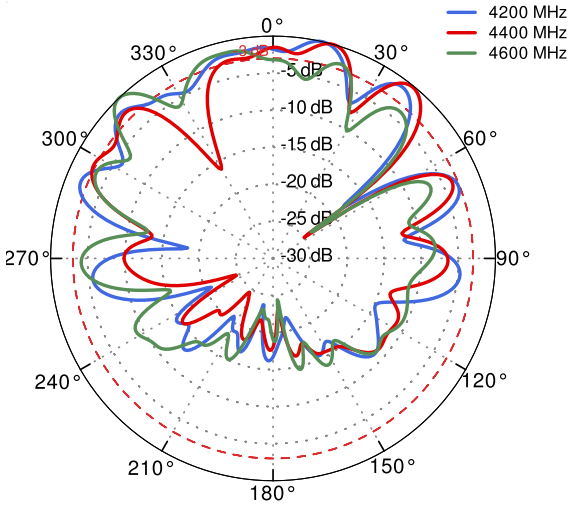

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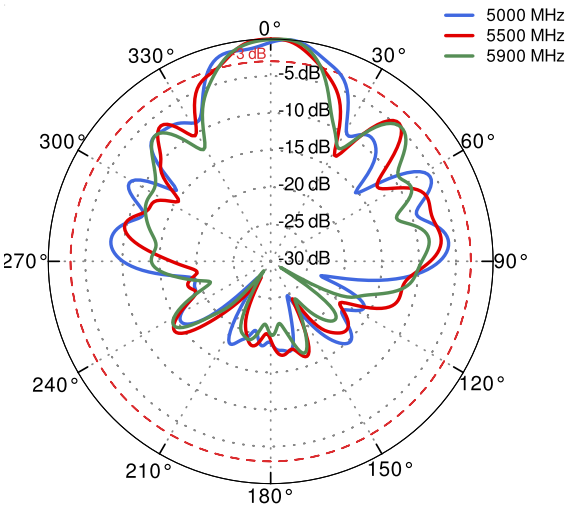
PORT 1 - 5G/LTE from 5.0GHz to 5.9GHz

ELEVATION



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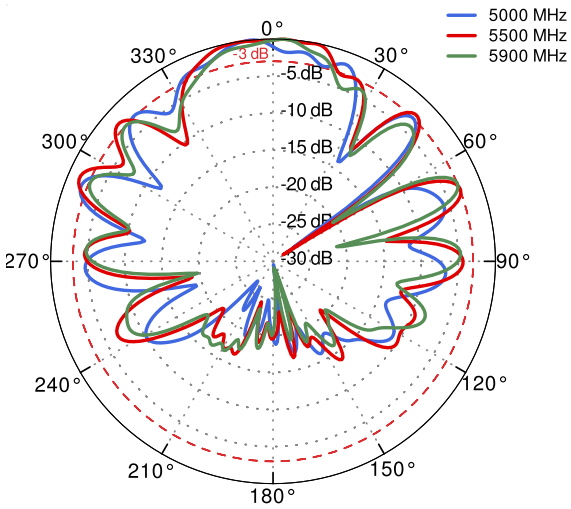
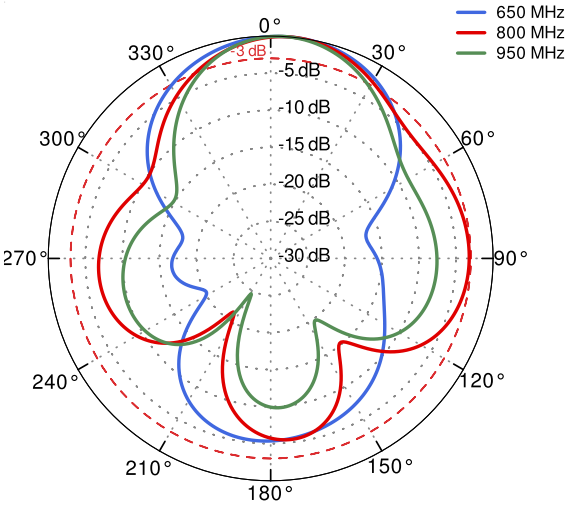


PORT 2 - 5G/LTE from 650MHz to 950MHz

ELEVATION



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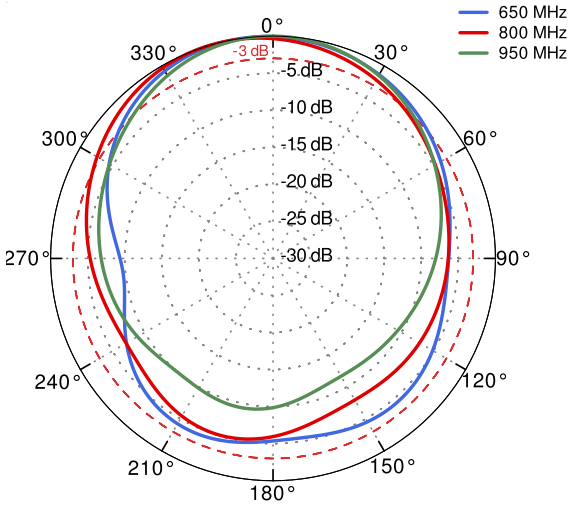

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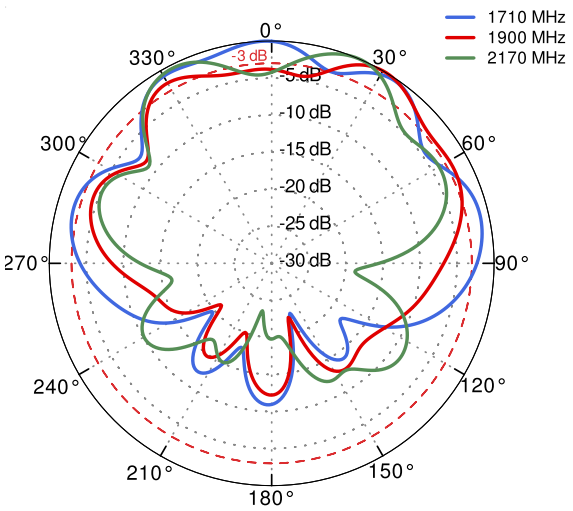
PORT 2 - 5G/LTE from 1.71GHz to 2.17GHz

ELEVATION



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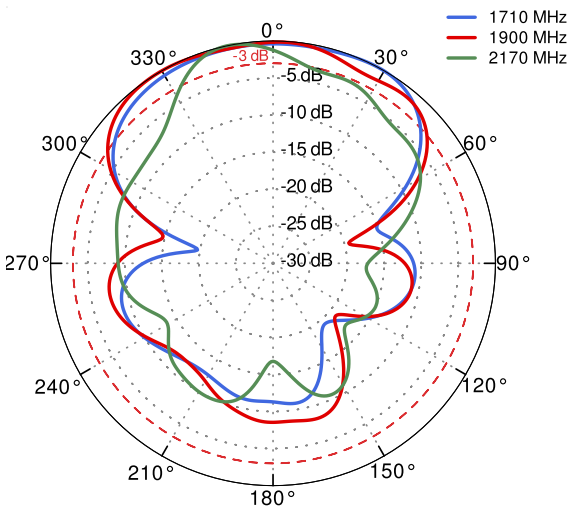
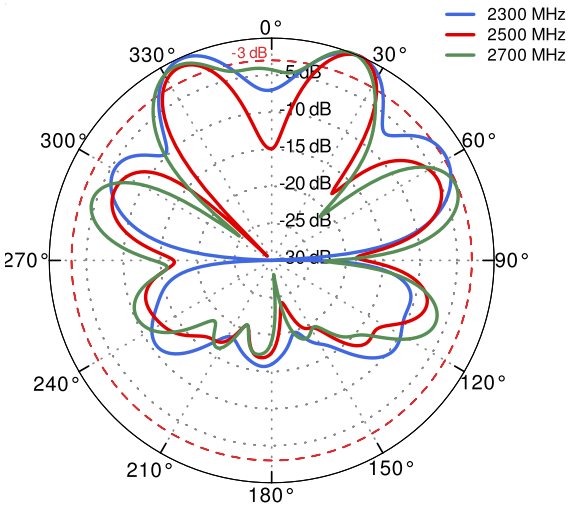


PORT 2 - 5G/LTE from 2.3GHz to 2.7GHz

ELEVATION



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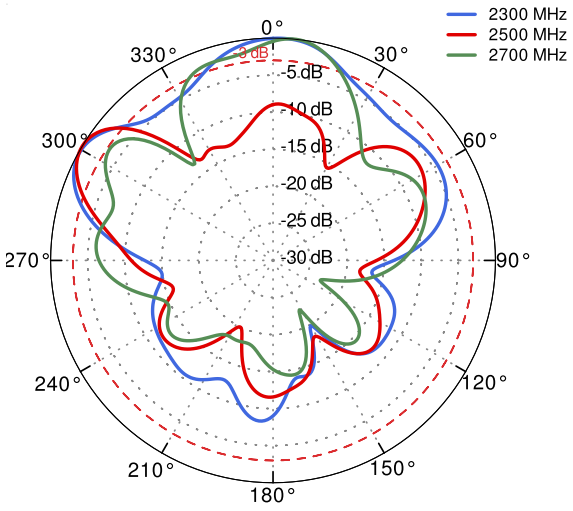

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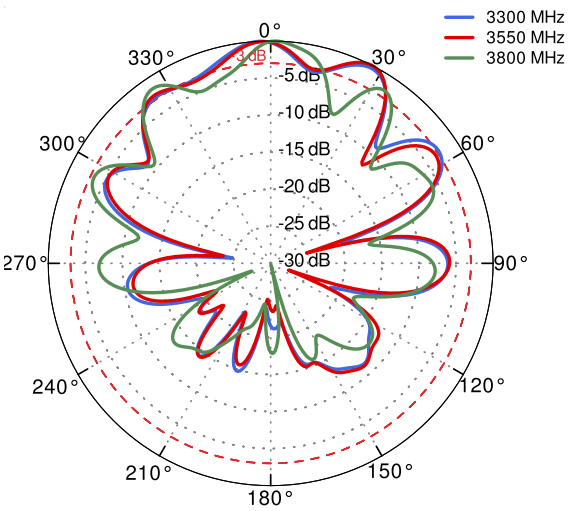
PORT 2 - 5G/LTE from 3.3GHz to 3.8GHz

ELEVATION



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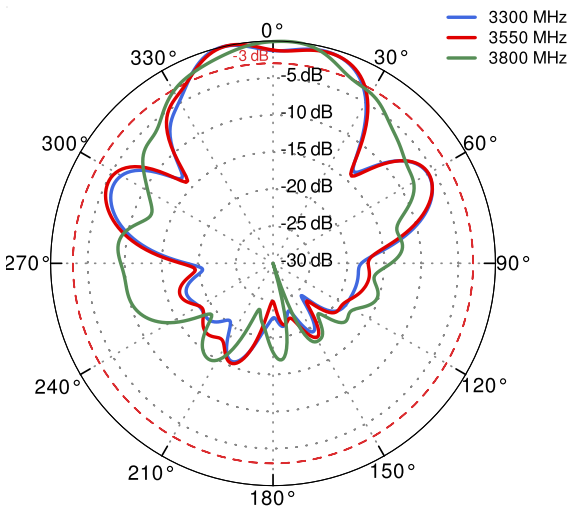
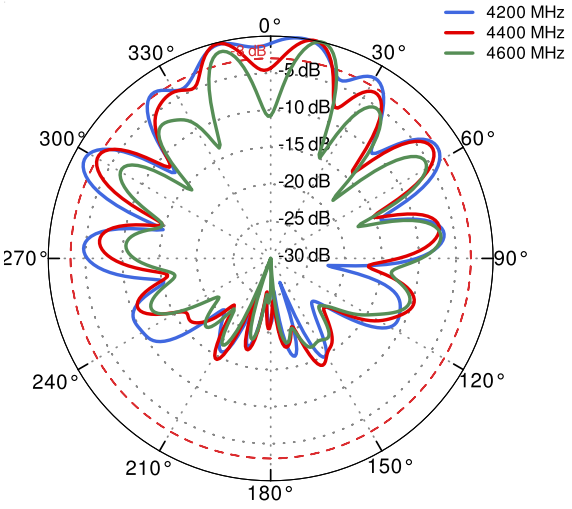


PORT 2 - 5G/LTE from 4.2GHz to 4.6GHz

ELEVATION



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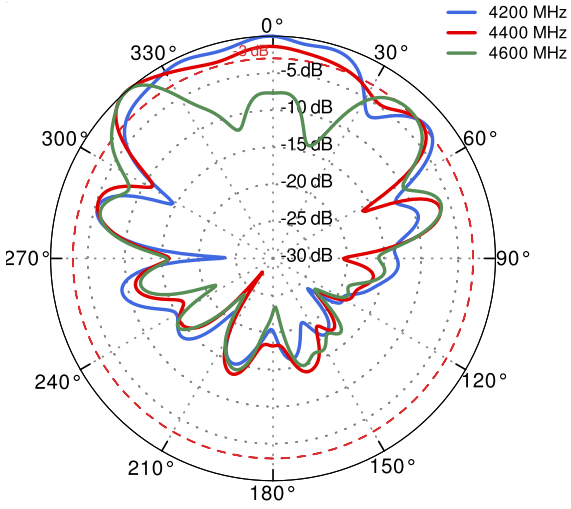

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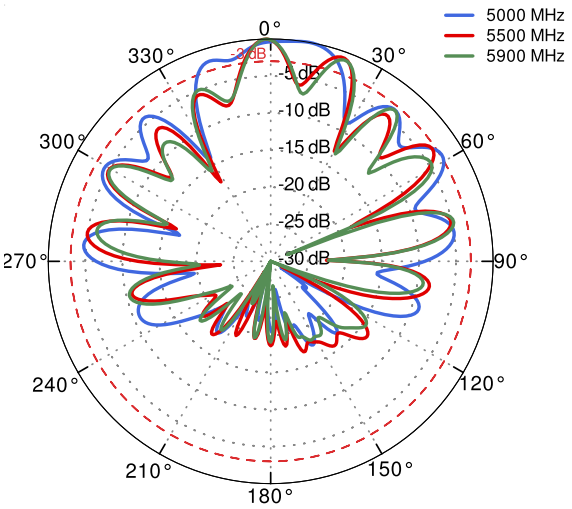
PORT 2 - 5G/LTE from 5.0GHz to 5.9GHz

ELEVATION



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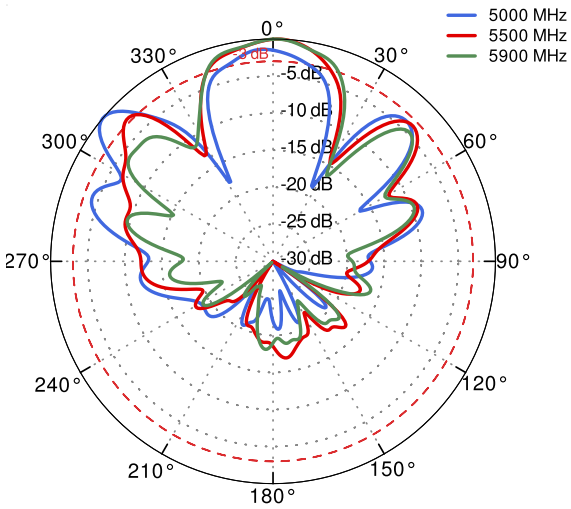
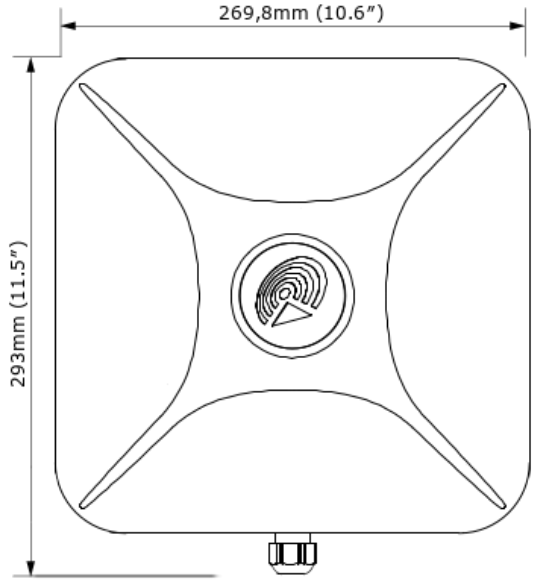
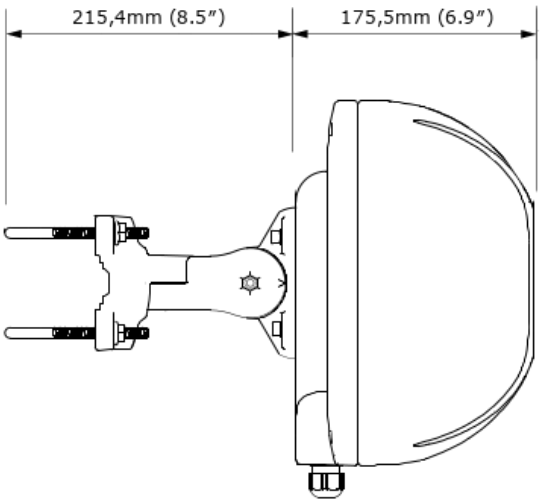


DIMENSIONS





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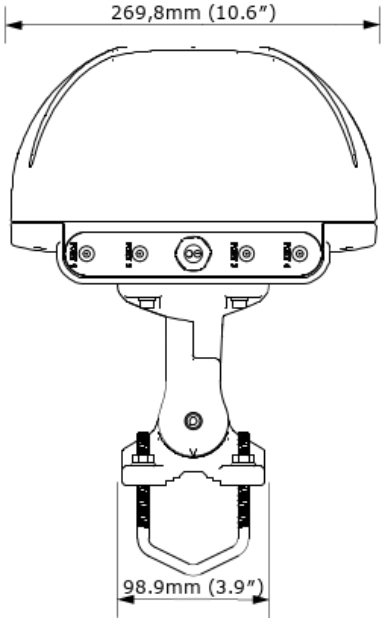

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