QuShell 24G

QuShell 5G/LTE 2x2MIMO, 4x4 MIMO WiFi 6e is a high performance mobility antenna providing performance connectivity across diverse frequencies and applications for 5G/4G/LTE.

QuShell 5G/LTE 2x2MIMO, 4x4 MIMO WiFi 6e is a high performance mobility antenna providing performance connectivity across diverse frequencies and applications for **5G/4G/LTE**. It offers optional GPS/GNSS and up to 4x4 MIMO/Diversity configurations at 2.4/5.0/7.2GHz for Wi-Fi. The optional high-performance GPS/GNSS antenna features an integrated 18dB gain LNA.
It comes with **2x 5G/LTE, 1x GPS/GNSS** and **4x Wi-Fi** antennas.
It covers a wide range from **580 to 6350 MHz** for 5G/LTE bands and additionally dual-band Wi-Fi 6e antennas provide concurrent **2.4 GHz and 5 to 7.2 GHz**.
The QuShell 5G/LTE finds its place in public **sector industry** (busses, firetrucks, ambulances), marine environments, tourism and various IoT systems.
The set consists of marine, surface and **pole/wall mounting brackets** allowing to install QuShell on a roof, mast, pole, wall or other flat surfaces.
Standard cable length is 50cm. For other variants please contact your local reseller or account manager.
Optional roof mounting is not included in standard set. Please notify us whether you would like to order the roof mounting version.





WI-FI SPECIFICATION

FREQUENCY	2.4 - 2.5 GHz 5 - 7.2 GHz
MAX. GAIN	2.4 - 2.5 GHz: 2dBi 5 - 7.2 GHz: 5dBi
VSWR	< 2.50
BEAMWIDTH	360°/25°
POLARIZATION	Vertical
IMPEDANCE	50 Ω
MAX INPUT POWER	50W
DC GROUND	Yes

5G/LTE SPECIFICATION

FREQUENCY	0.58 - 2.0 GHz 2.0 - 3.5 GHz 3.5 - 5.0 GHz 5.0 - 6.35 GHz
MAX. GAIN	0.58 - 2.0 GHz : 2 dBi 2.0 - 3.5 GHz : 3.2 dBi 3.5 - 5.0 GHz : 3.1 dBi 5.0 - 6.35 GHz : 3.8 dBi
SUPPORTED LTE BANDS	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 65, 66, 67, 68, 69, 70, 71, 74, 75, 76, 85, 103, 106, 107, 111, 252, 253, 254, 255, 256

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SUPPORTED 5G BANDS	n1, n2, n3, n5, n7, n8, n12, n13, n14, n18, n20, n24, n25, n26, n28, n29, n30, n34, n38, n39, n40, n41, n46, n47, n48, n50, n51, n53, n54, n65, n66, n67, n68, n70, n71, n74, n75, n76, n77, n78, n79, n80, n81, n82, n83, n84, n85, n86, n89, n90, n91, n92, n93, n94, n95, n97, n98, n99, n100, n101, n105, n106, n109, n110, n250, n251, n252, n253, n254, n255, n256
VSWR	<2.50, max <3.00
BEAMWIDTH	360°/35° ±5°
POLARIZATION	Vertical
IMPEDANCE	50 Ω

MECHANICAL SPECIFICATION

MATERIAL	ASA
CONNECTOR	4xRPSMA & 3xSMA
OUTER DIMENSIONS	160 x 160 x 90 mm 6.3 x 6.3 x 3.54 inch
WEIGHT	1.5 kg
OPERATING TEMPERATURE	-40°C to 80°C -40°F to 176°F
CABLE TYPE	RG174

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MOUNTING KIT

MATERIAL	Galvanized steel
WEIGHT	0.4kg
MOUNTING PLACE	Wall or mast
MAST DIAMETER	25-66 mm 0.98-2.60 inch

COMPATIBLE ROUTERS

VARIANT: ASL24G

TELTONIKA	RUT204, RUT271, RUT276, RUT976, RUTC41
ROBUSTEL	EG5200, R1511, R201x, R2120 5G RedCap
ANYBUS	WLAN Access Point IP30
COMSET	CM210A-W, CM210Q-W, CM510Q-W, CM550W, CM580W, CM685V-1, CM685V-4, CM685V-6, CM685V-6-G, CM685VX, CM820Q-4, CM820Q-6, CM950W
DIGI	TX64
ERICSSON (CRADLEPOINT)	E300, R500
FOUR-FAITH	5G Industrial Router F-NR100, 5G SIM WiFi Router F-NR120, 5G Smart Light Pole Gateway F-G300, Edge Computing Gateway F-G100
INHAND	IR315
PEPLINK	Balance 310 5G

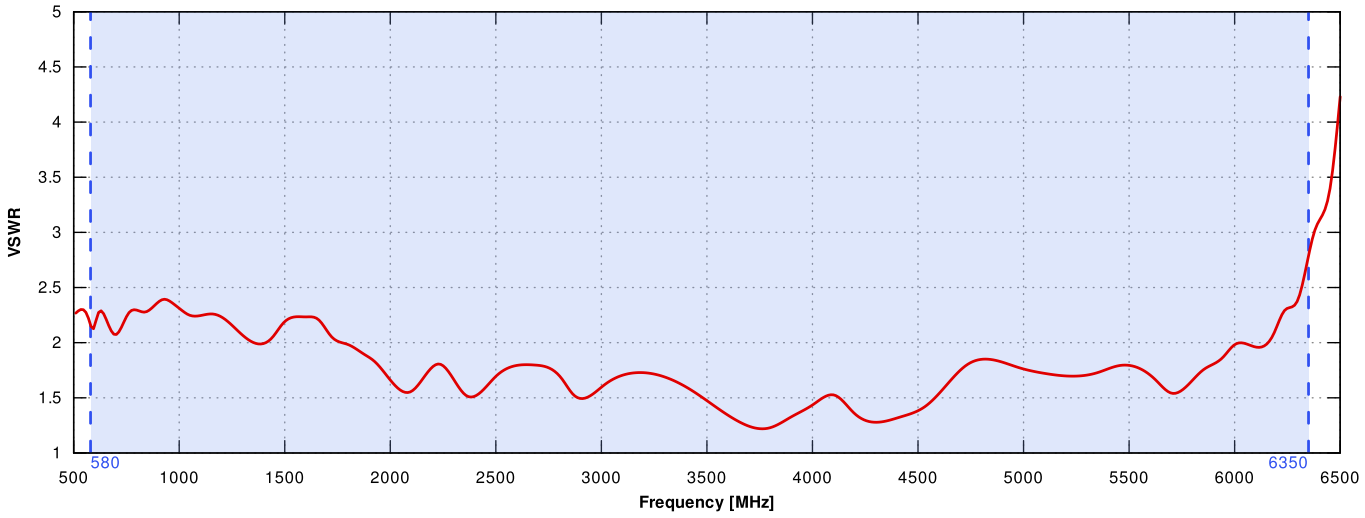
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PERLE	IRG5410, IRG5520, IRG5521, IRG5540, IRG5541
PROROUTE	H685 LTE 4G CAT6 Router, H685 WRT M2M 5G Router, H900 5G Router
QUECLINK	WR220
ROBUSTEL	EG5200, R1511, R201x, R2120 5G RedCap
SEMTECH (SIERRA WIRELESS)	AirLink EX400, AirLink RX400
SIEMENS	6GK5763-1AL00-7DA0, 6GK5763-1AL00-3AA0, 6GK5763-1AL00-3DA0, 6GK5763-1AL00-7DB0, Scalance W734 RJ45, Scalance W774 M12 EEC, Scalance W774 RJ45, SCALANCE W786
TELTONIKA	RUT204, RUT271, RUT276, RUT976, RUTC41
WAVETEL	W4600, W4600-NR 5G, W4600-S2
WLINK	G510, G520, R220, R520
ZYXEL	LTE3301-PLUS, NR5101
OTHER	2 * SMA

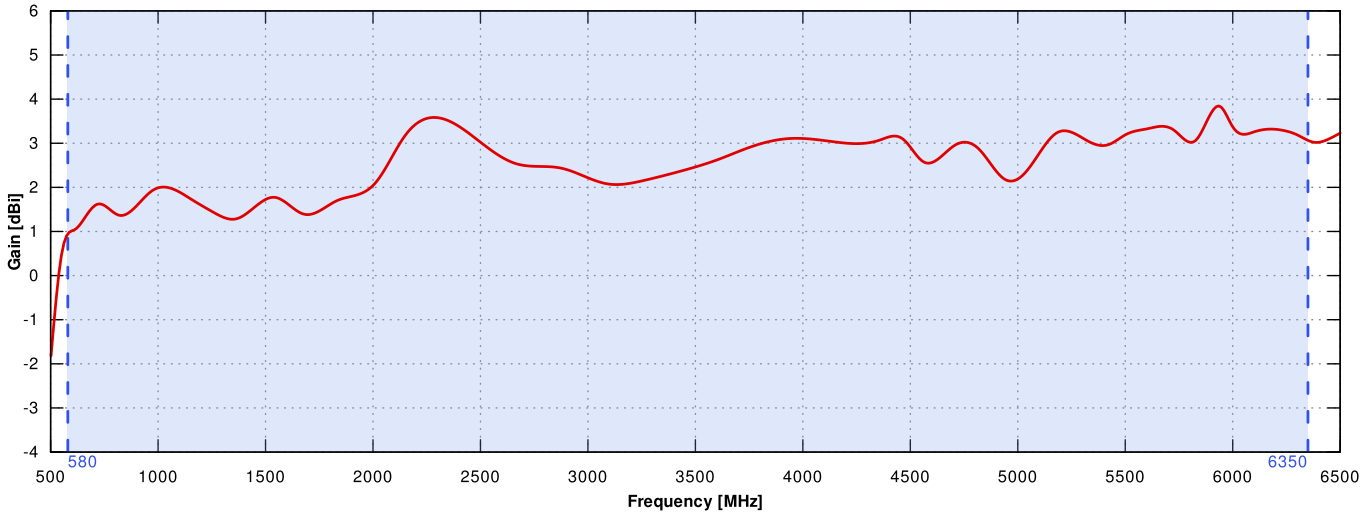
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PLOTS

5G/LTE VSWR

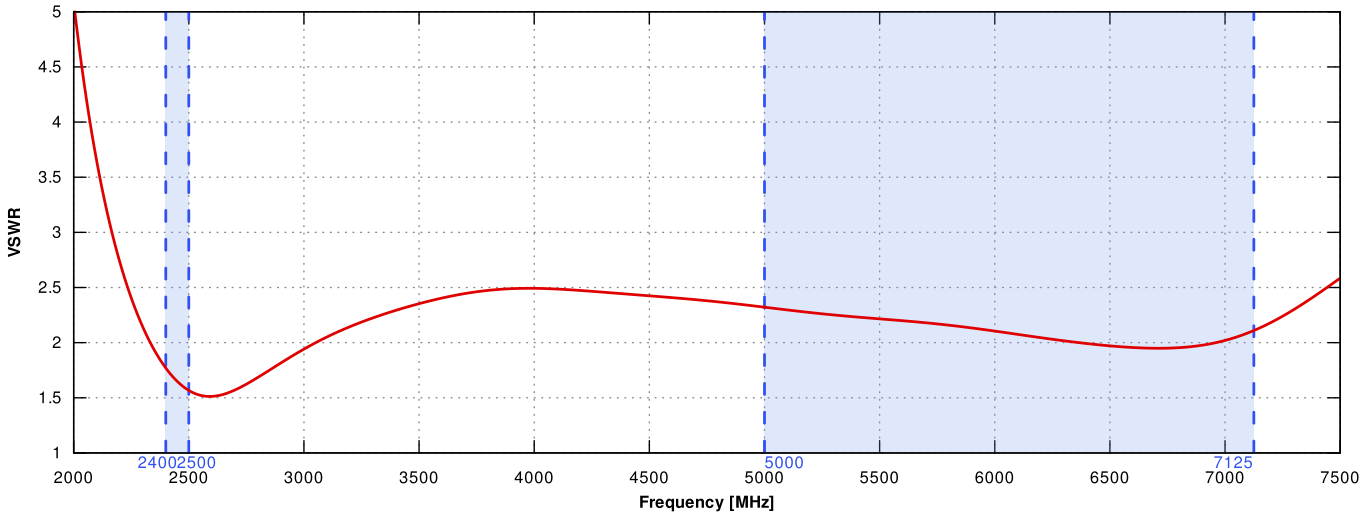


5G/LTE GAIN

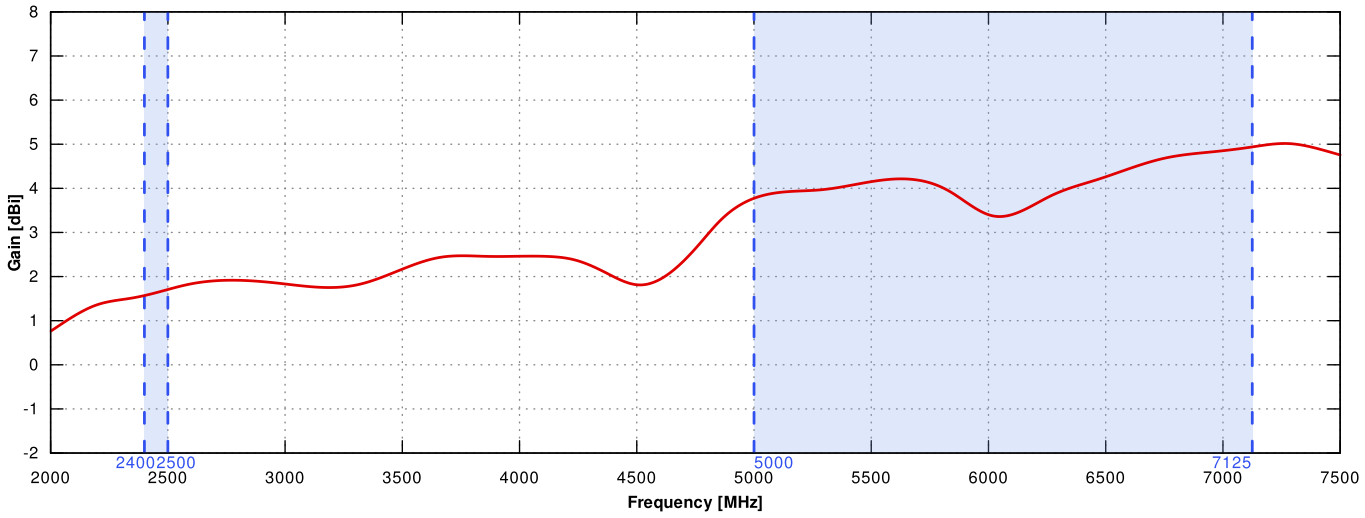


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WiFi - X VSWR

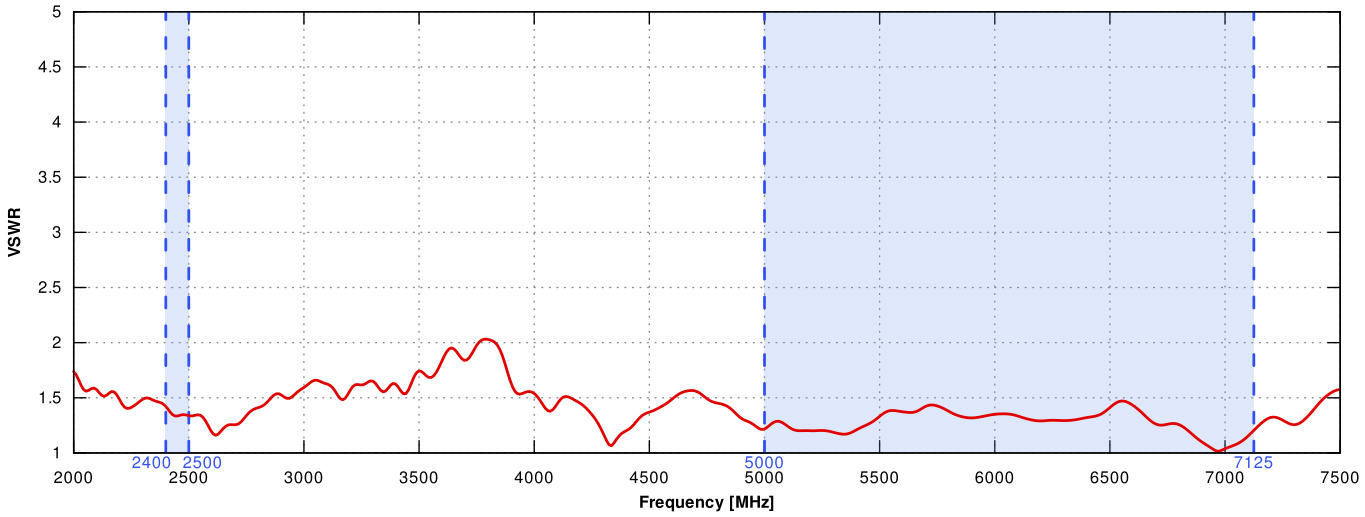


WiFi - X GAIN

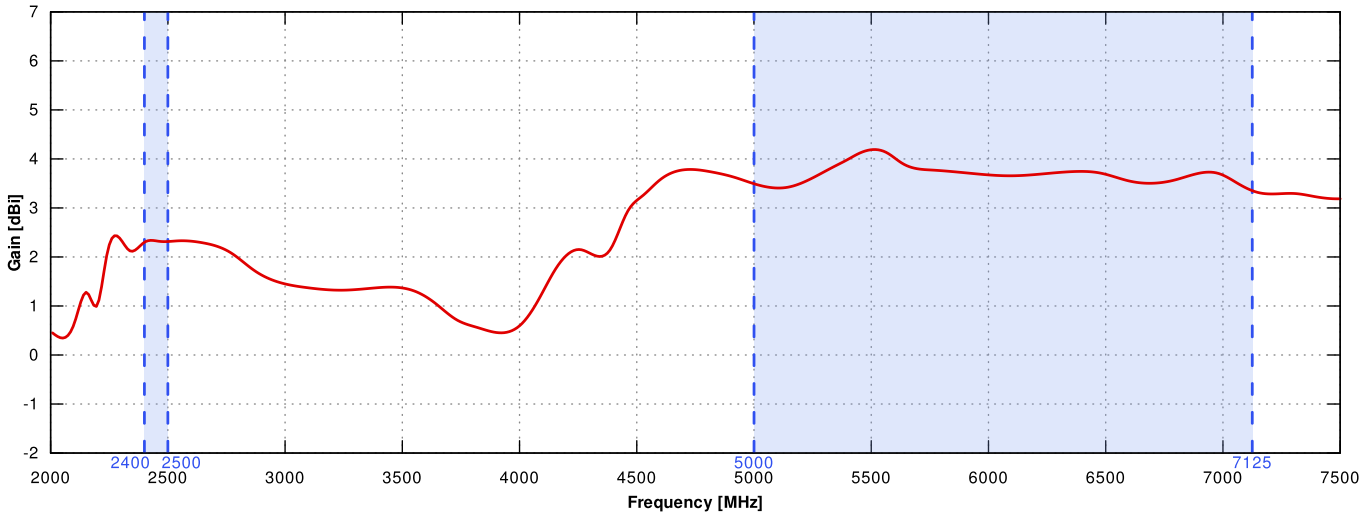


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WiFi - V VSWR



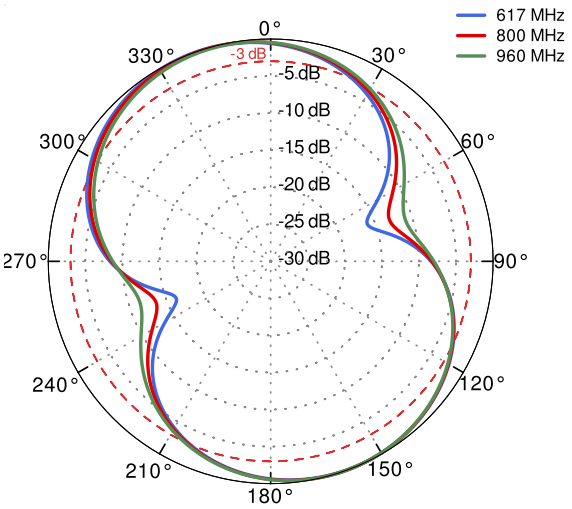
WiFi - V GAIN



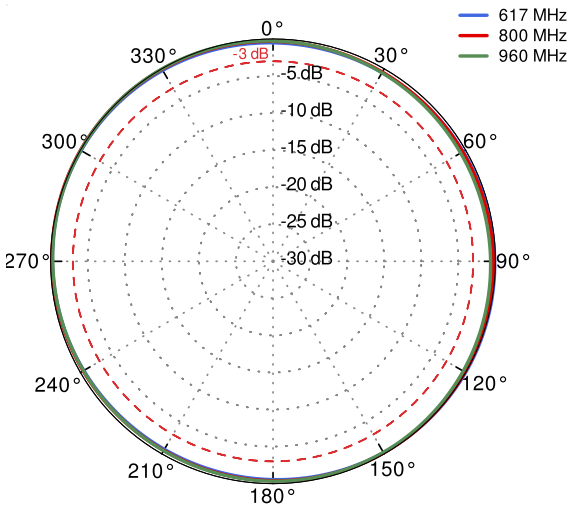
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5G/LTE from 617MHz to 960MHz

ELEVATION

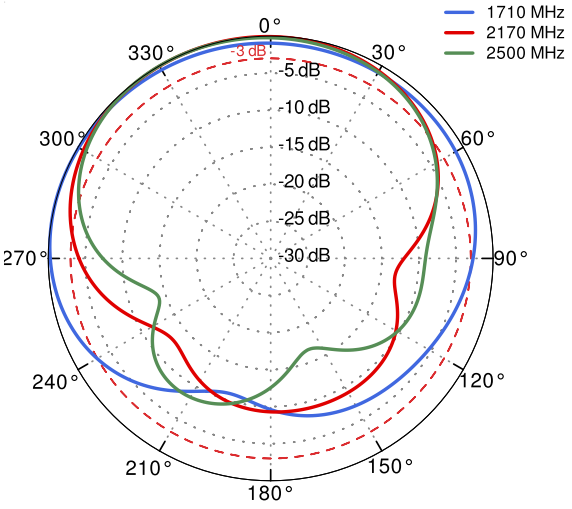


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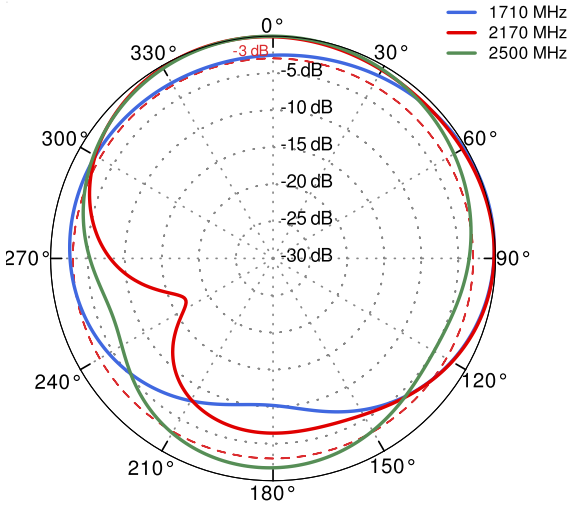


5G/LTE from 1.71GHz to 2.7GHz

ELEVATION



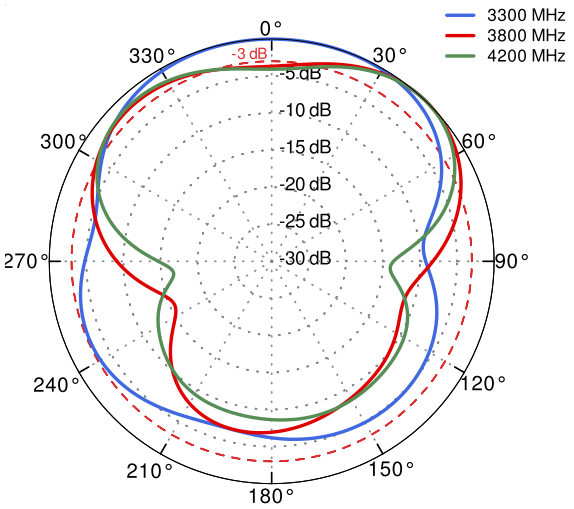
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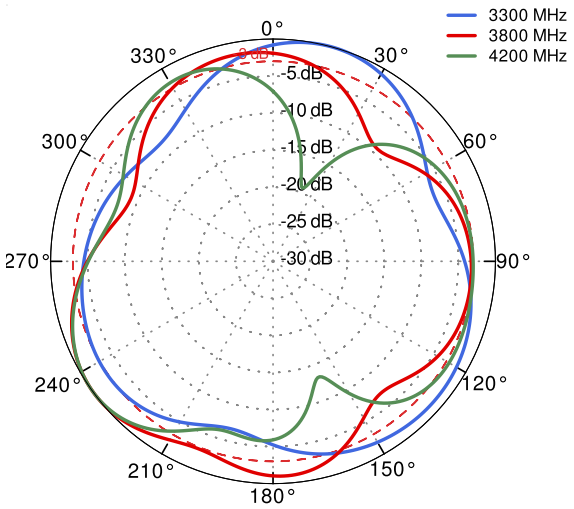
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5G/LTE from 3.3GHz to 4.2GHz

ELEVATION

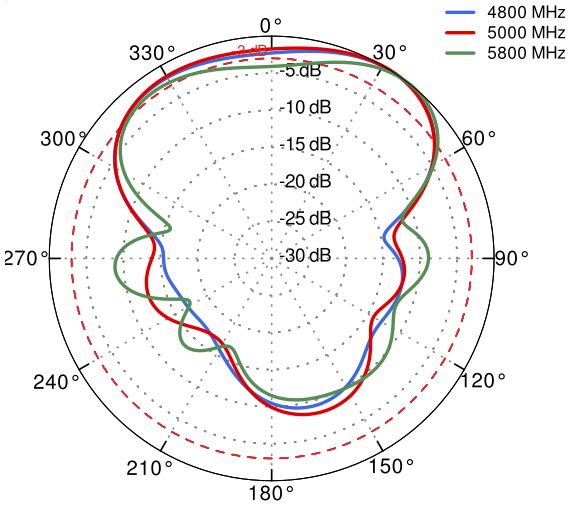


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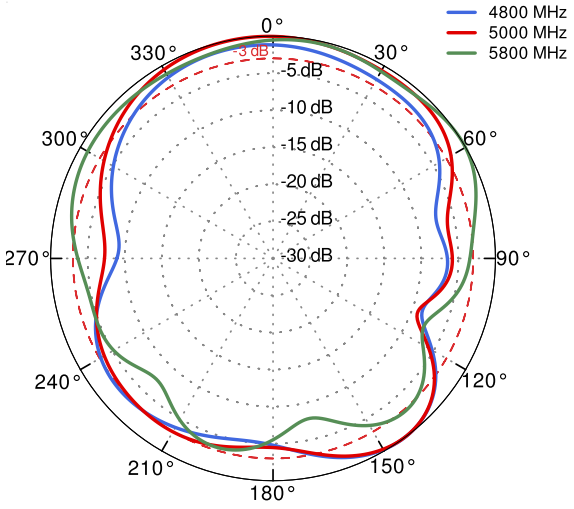


5G/LTE from 4.8GHz to 5.8GHz

ELEVATION



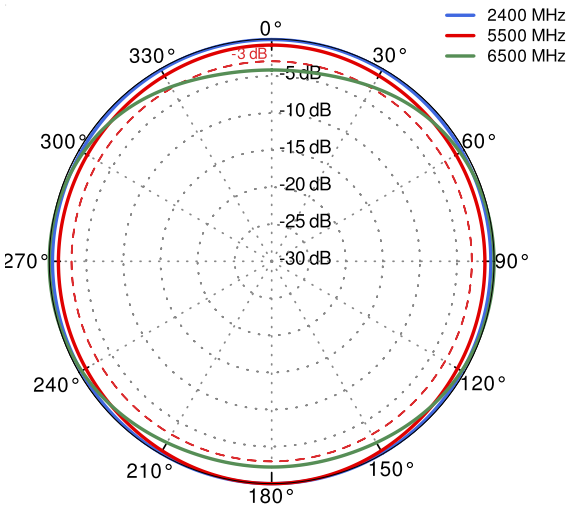
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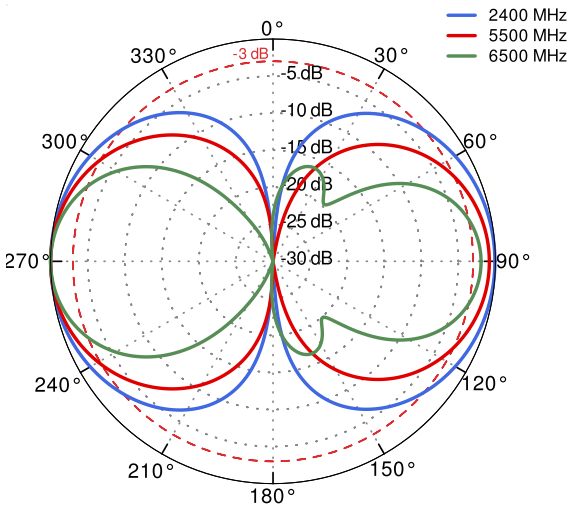
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PORT 1 - Wi-Fi X From 2400MHz to 6500MHz

ELEVATION

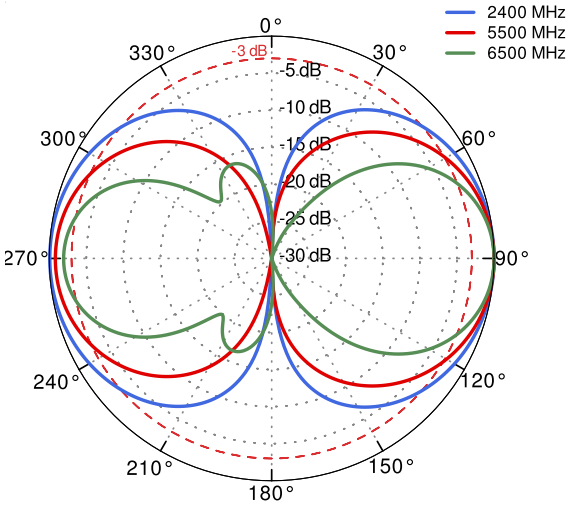


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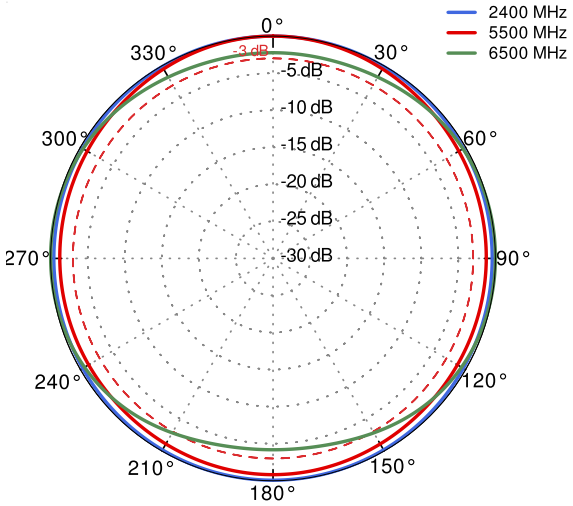


PORT 2 - Wi-Fi X From 2400MHz to 6500MHz

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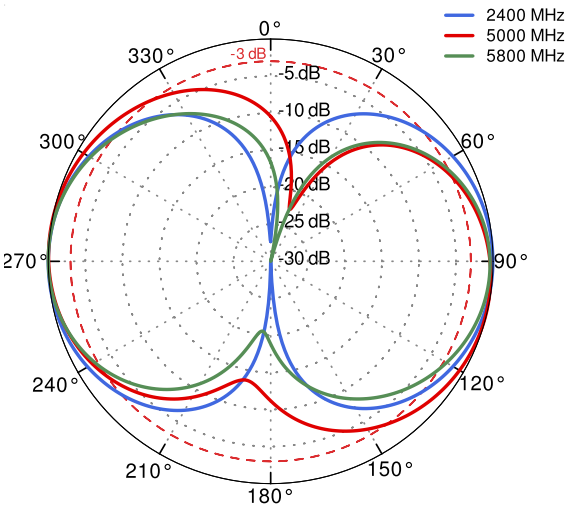
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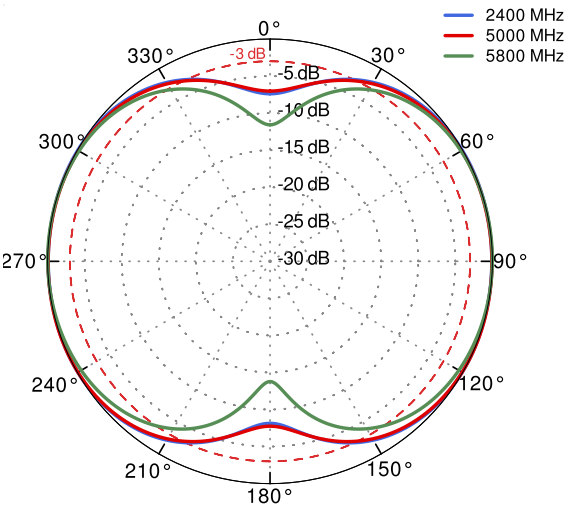
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Wi-Fi V From 2.4 GHz to 6.5 GHz

ELEVATION



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QuWireless
WWW.QUWIRELESS.COM
Sales email: sales@quwireless.com **Tel:** +48 513 900 416
Support email: support@quwireless.com **Website:** www.quwireless.com
Address: Wireless Instruments Sp. z o.o., ul. Kościuszki 27, 52-116 Iwiny, Poland

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