

QuShell 22G

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QuShell 5G/LTE 2x2MIMO, 2x2 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 2x2 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 **2x Wi-Fi** antennas.

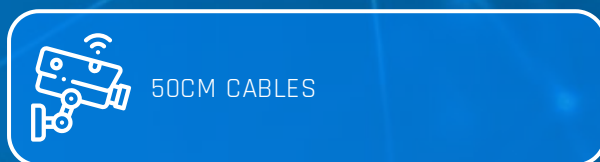
It covers a wide range from **617 to 6000 MHz** for 5G/LTE bands and additionally dual-band Wi-Fi 6e antennas provide concurrent **2.4 GHz and 5 to 7.2 GHz**.

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
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	617 - 960 MHz 1.7 - 2.7 GHz 3.3 - 6.0 GHz
GAIN	617 - 960 MHz : 2 dBi 1.7 - 2.7 GHz : 3 dBi 3.3 - 6.0 GHz : 4 dBi
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, n78, n79, n80, n81, n82, n83, n84, n85, n86, n89, n90, n95, n97, n98, n100, n101, n256

VSWR	<1.20, max <2.50
BEAMWIDTH	360°/35° ±5°
POLARIZATION	Vertical
IMPEDANCE	50 Ω

MECHANICAL SPECIFICATION

MATERIAL	ABS
CONNECTOR	2xRPSMA & 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

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: ASL22G

TELTONIKA	RUT271, RUT276, RUT976, RUTC41
ROBUSTEL	EG5200, R1511, R201x
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
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
SEMTECH (SIERRA WIRELESS)	AirLink EX400, AirLink RX400

SIEMENS
TELTONIKA
WAVETEL
WLINK
ZYXEL
OTHER

6GK5763-1AL00-7DA0, 6GK5763-1AL00-3AA0, 6GK5763-1AL00-3DA0, 6GK5763-1AL00-7DB0, Scalance W734 RJ45, Scalance W774 M12 EEC, Scalance W774 RJ45, SCALANCE W786

RUT271, RUT276, RUT976, RUTC41

W4600, W4600-NR 5G, W4600-S2

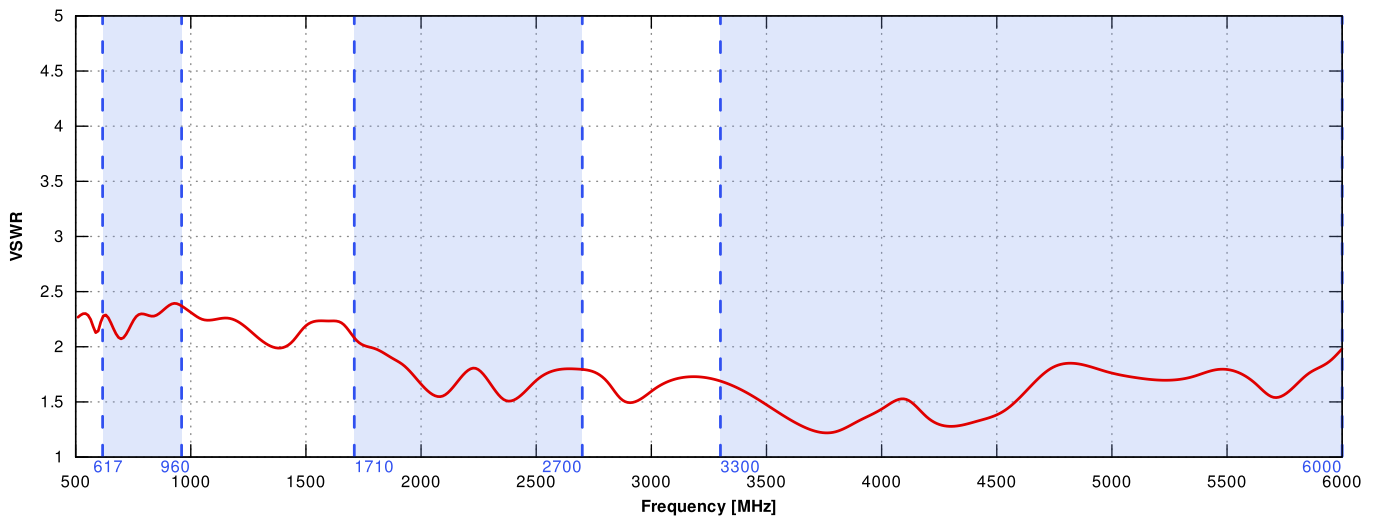
G510, G520, R220, R520

LTE3301-PLUS, NR5101

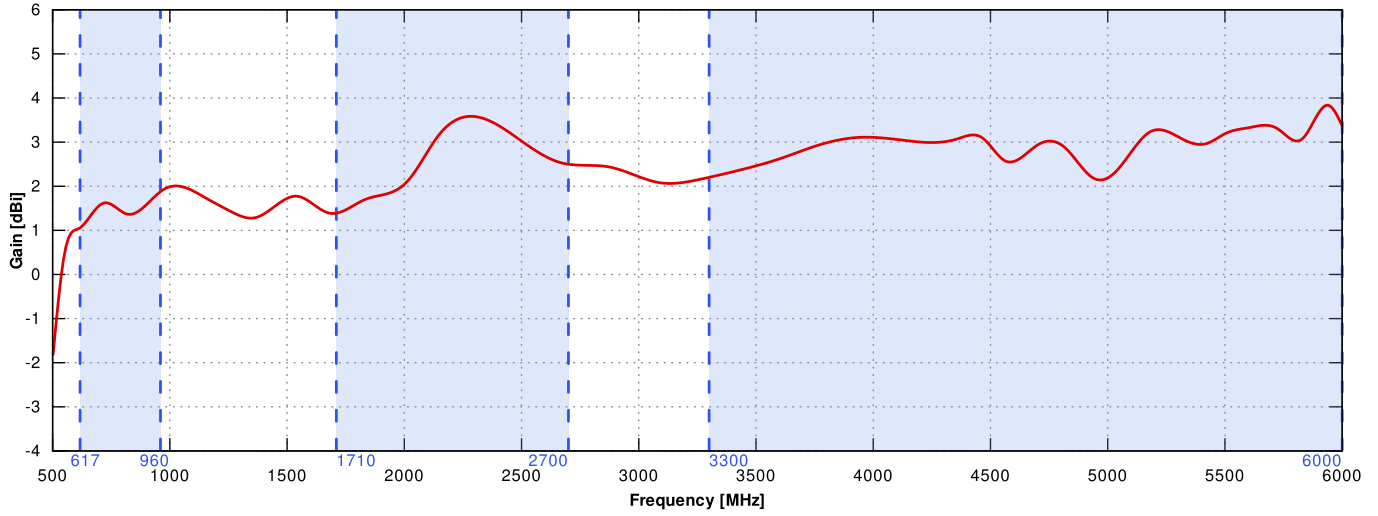
2 * SMA

PLOTS

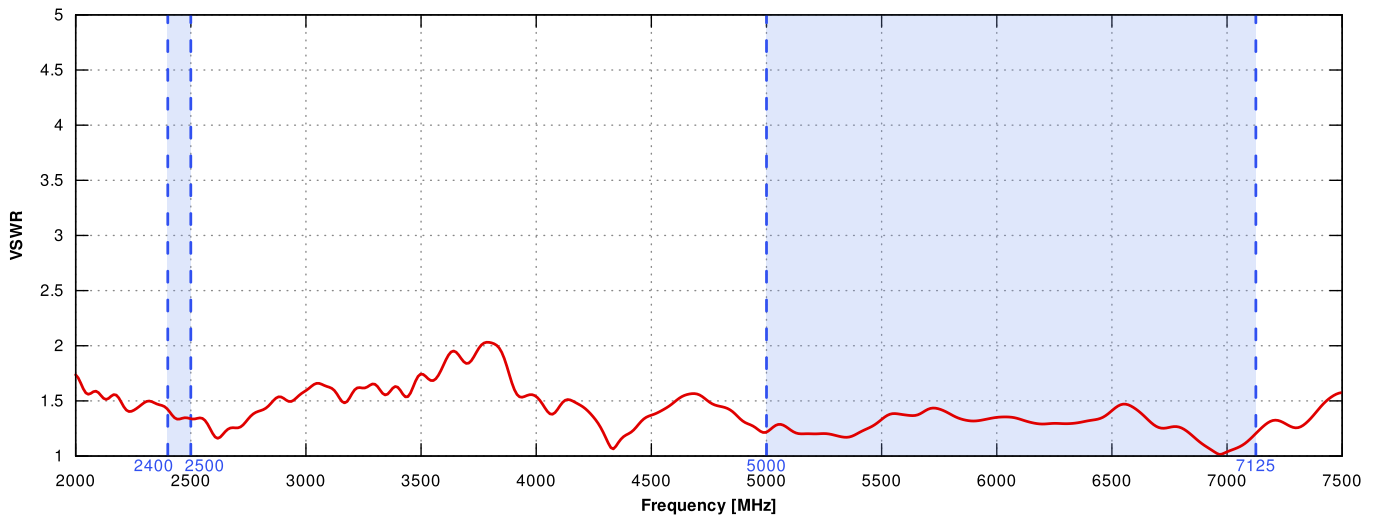
5G/LTE VSWR



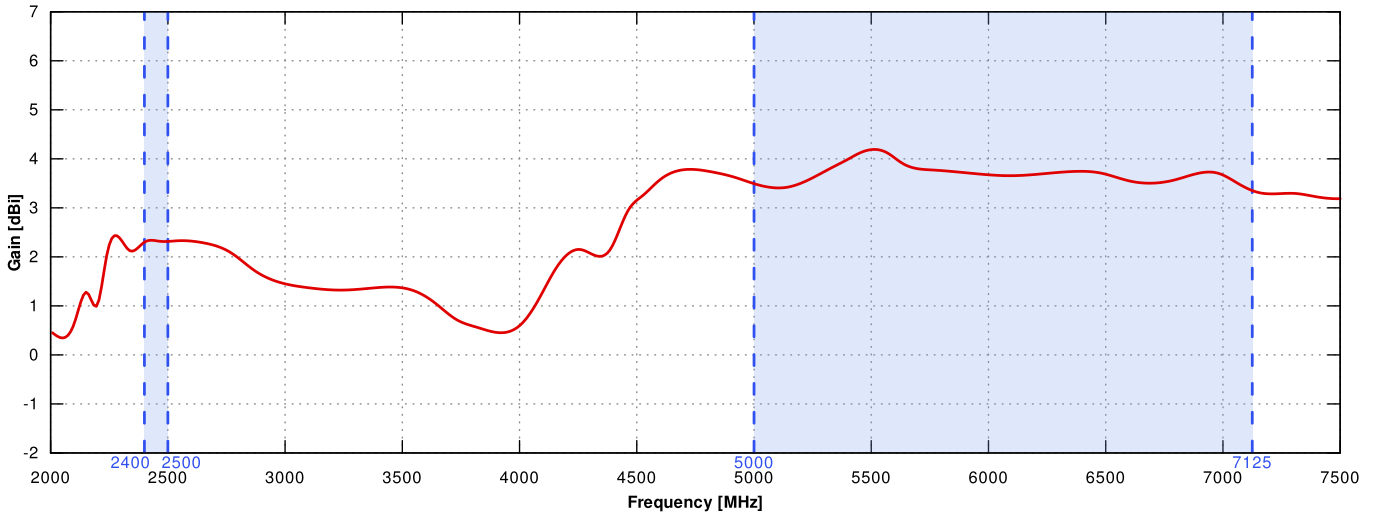
5G/LTE GAIN



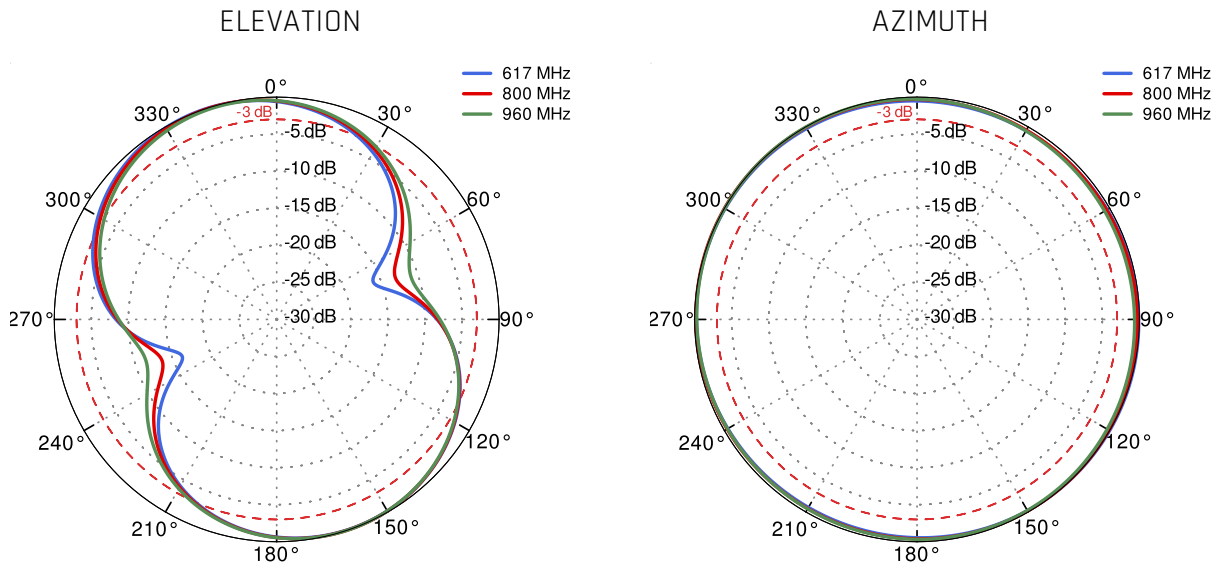
WiFi - V VSWR



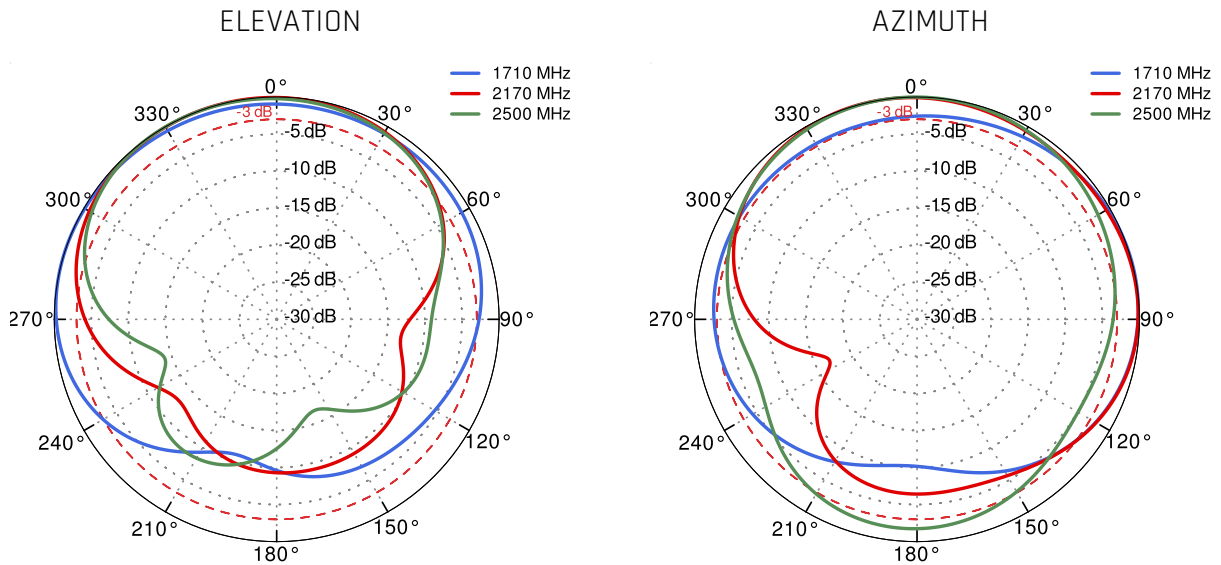
WiFi - V GAIN



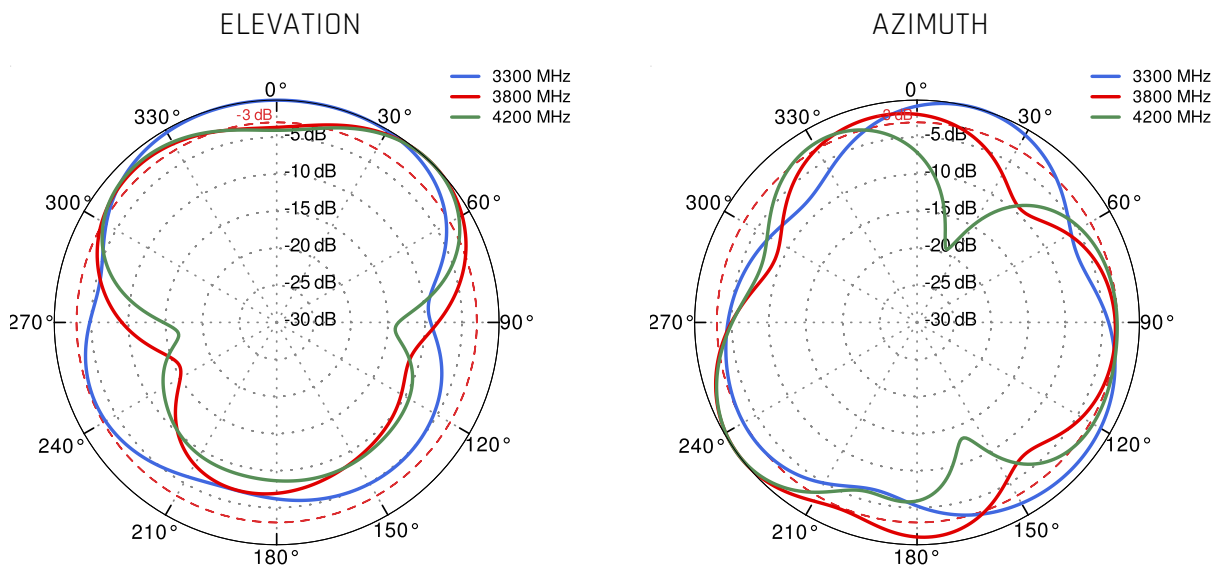
5G/LTE from 617MHz to 960MHz



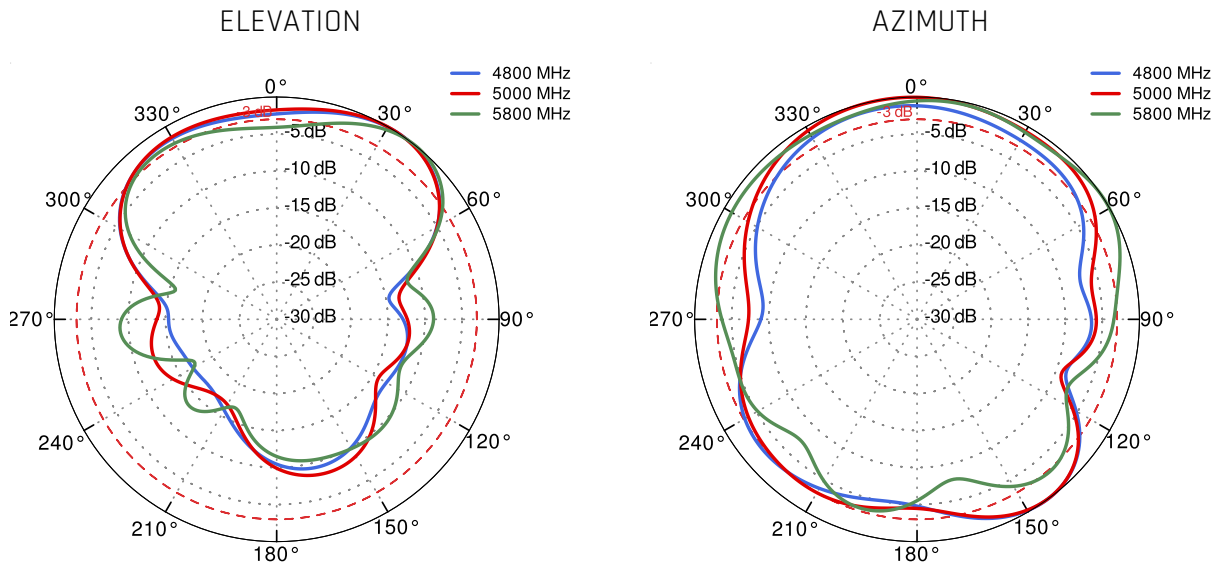
5G/LTE from 1.71GHz to 2.7GHz



5G/LTE from 3.3GHz to 4.2GHz



5G/LTE from 4.8GHz to 5.8GHz



Wi-Fi V From 2.4 GHz to 6.5 GHz

