

QuShell 42G

QuShell 5G/LTE 4x4MIMO, 2x2MIMO WiFi 6e is a high performance mobility antenna providing performance connectivity across diverse frequencies and applications for 5G/4G/LTE.

QuShell 5G/LTE 4x4MIMO, 2x2MIMO 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.

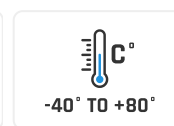
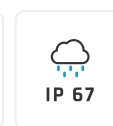
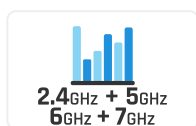
It comes with **4x 5G/LTE, 1x GPS/GNSS** and **2x Wi-Fi** antennas.

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.



50CM CABLES



OUTDOOR ANTENNA WORKS IN **ANY**
WEATHER CONDITIONS, IP67



4X 5G/LTE, 1X GPS/GNSS AND **2X**
WI-FI ANTENNAS



ANTENNA **PERFECT FOR MOBILITY**
USES



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 - 3.8 GHz 4.2 - 6.0 GHz
GAIN	617 - 960 MHz : 2 dBi 1.7 - 2.7 GHz : 4 dBi 3.3 - 3.8 GHz : 5 dBi 4.2 - 6.0 GHz : 6dBi
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, 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, n47, n48, n53, n65, n66, n67, n71, n77, n78, 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 & 5xSMA

OUTER DIMENSIONS

160 x 160 x 240 mm
6.3 x 6.3 x 9.45 inch

WEIGHT

1.5 kg

OPERATING TEMPERATURE

-40°C to 80°C
-40°F to 176°F

 MOUNTING KIT**MATERIAL**

Galvanized steel

WEIGHT

0.4kg

MOUNTING PLACE

Wall or ceiling or mast

COMPATIBLE ROUTERS

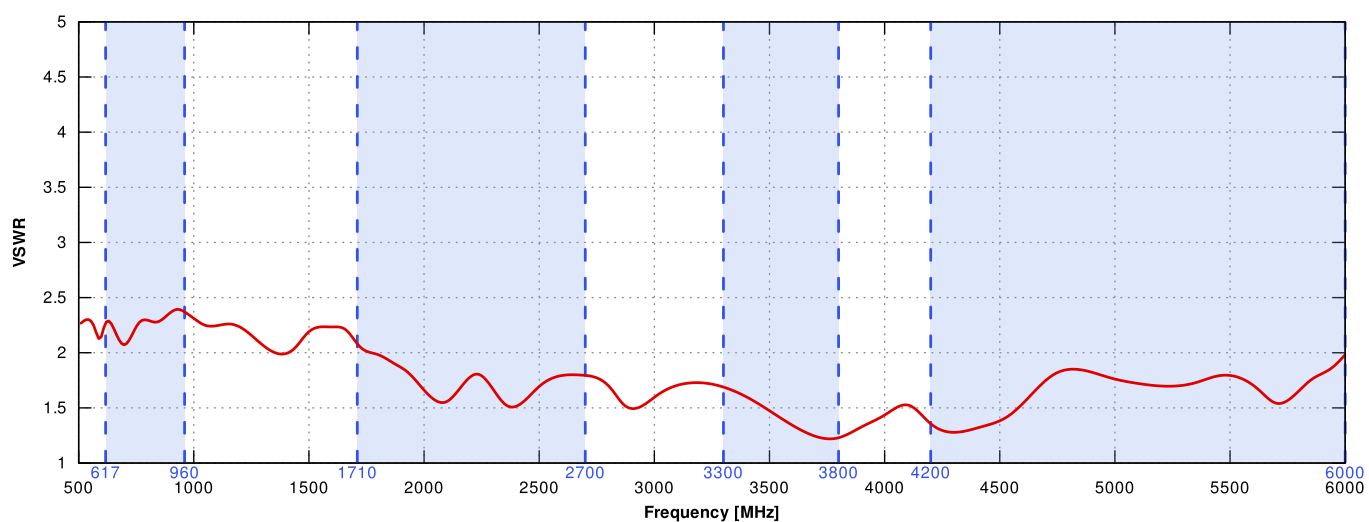
VARIANT: ASL42G

TELTONIKA	RUTX50, TRB500
DIGI	EX50, IX40, TX64
ROBUSTEL	EG5120, R5020, R5020 Lite
ADTRAN	Bluesocket 6120
COMSET	CM550W, CM580W, CM685VX, CM950W
CRADLEPOINT	E300, E3000, R1900, W1850, W4005
DIGI	EX50, IX40, TX64
ENGENIUS	ENH1350EXT, EWS850-FIT
FOUR-FAITH	5G Industrial CPE F-NR200, 5G Industrial Router F-NR100, 5G SIM WiFi Router F-NR120, 5G Smart Light Pole Gateway F-G300, 5G WiFi Router with SIM Card Slot F-NR130, Smart Light Pole Gateway F-G310
HUAWEI	AirEngine 9700D-S
MILESIGHT	UF31, UR75
PEPLINK	Balance 310 5G, Balance 310 fiber 5G, BR1 Mini 5G, BR2 PRO, MAX BR1 Pro 5G, MAX Transit Duo Pro
PROROUTE	H685 WRT M2M 5G Router, H900 5G Router
ROBUSTEL	EG5120, R5020, R5020 Lite
SIEMENS	6GK5853-2EA00-2DA1
SIERRA WIRELESS	AirLink MG90 5G

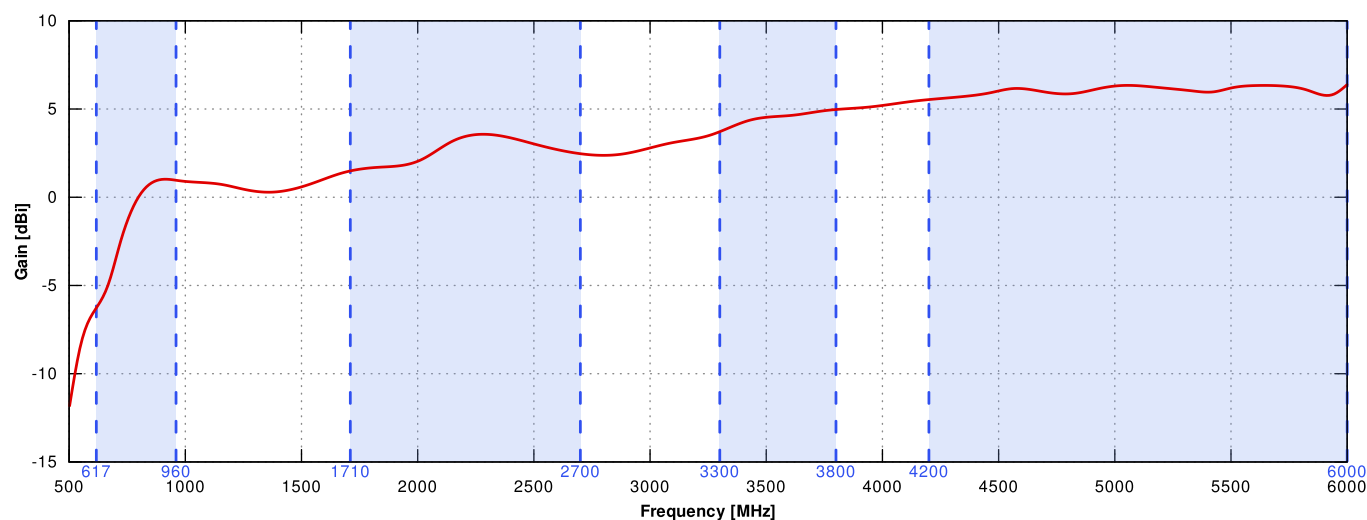
TELTONIKA	RUTX50, TRB500
WAVETEL	W4600-NR 5G, W4A00 5G, WNR320 5G, WNR340 5G
WLINK	G230, G530, G530
ZYXEL	Nebula FWA510
OTHER	4 * SMA

PLOTS

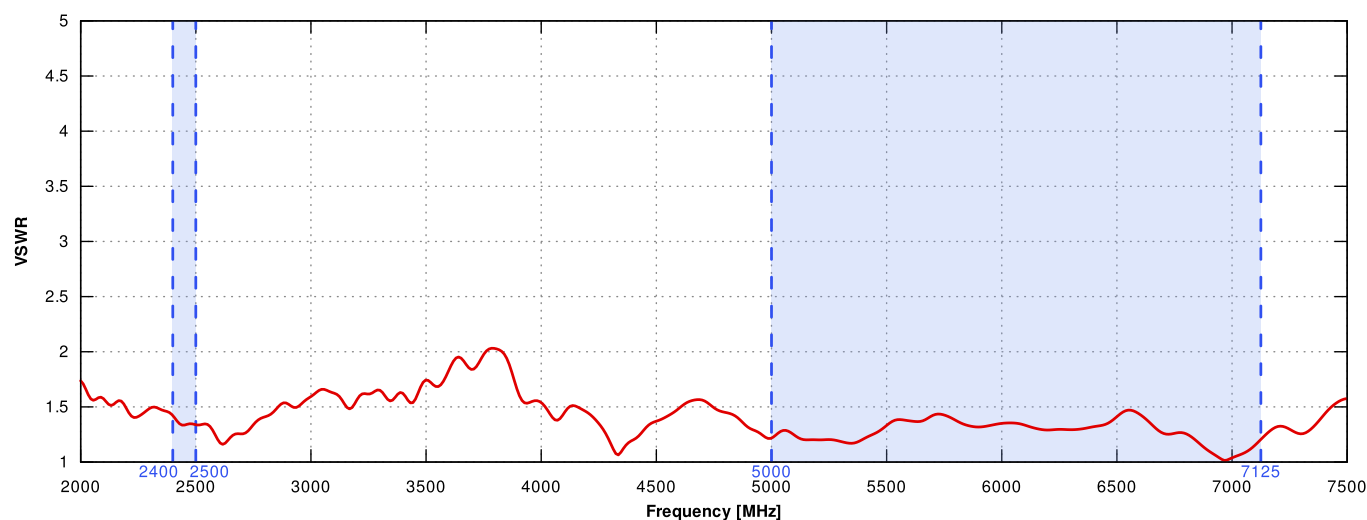
5G/LTE VSWR 



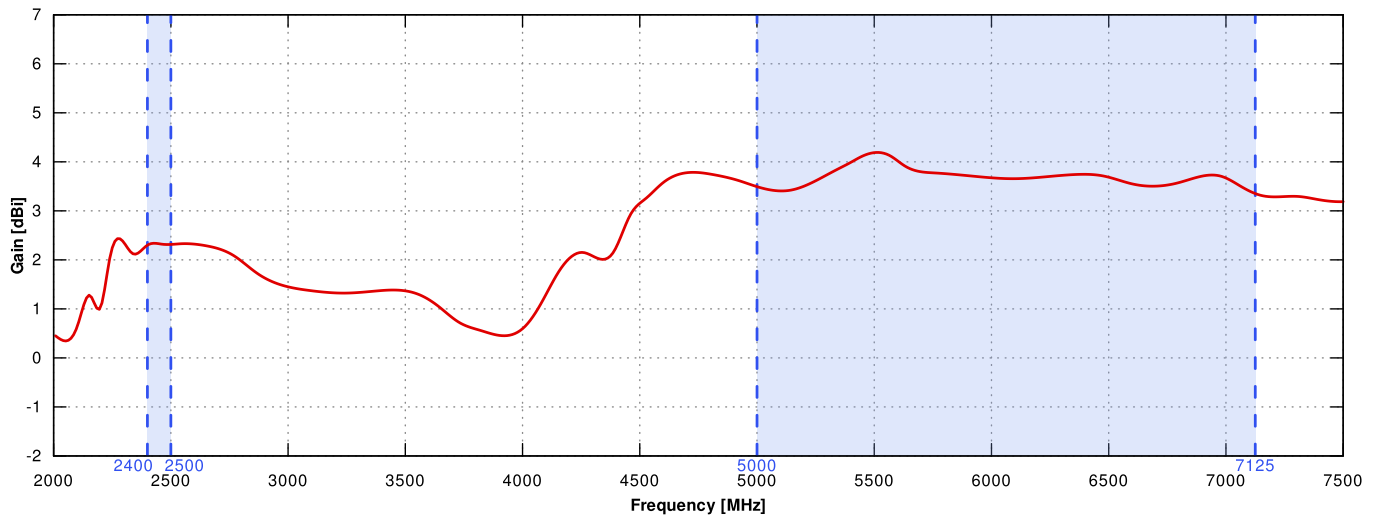
5G/LTE GAIN



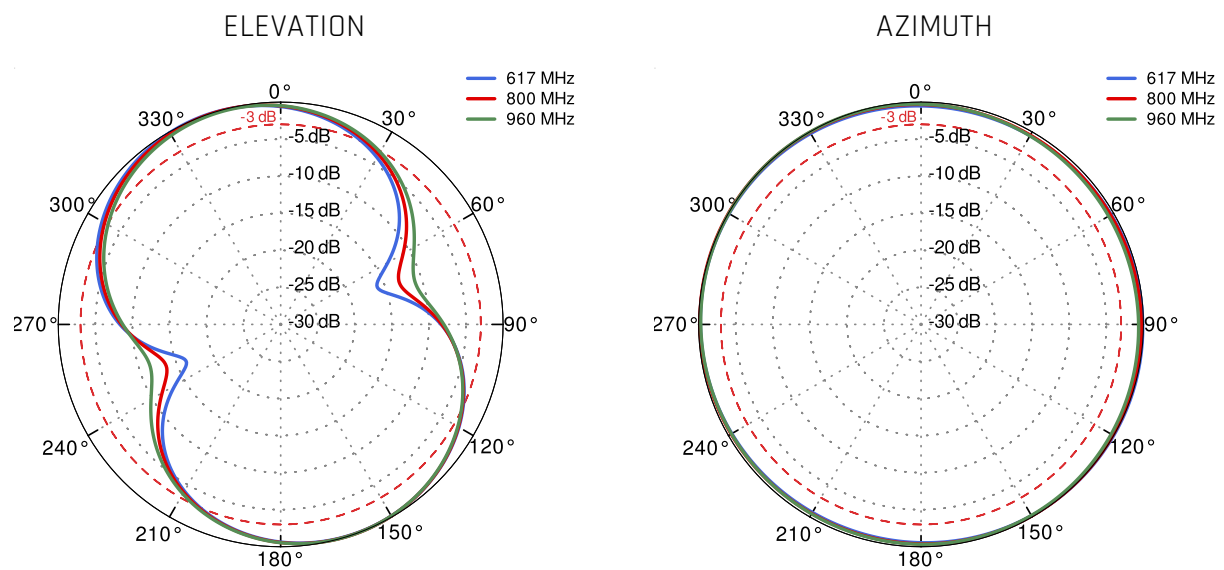
WiFi - V VSWR



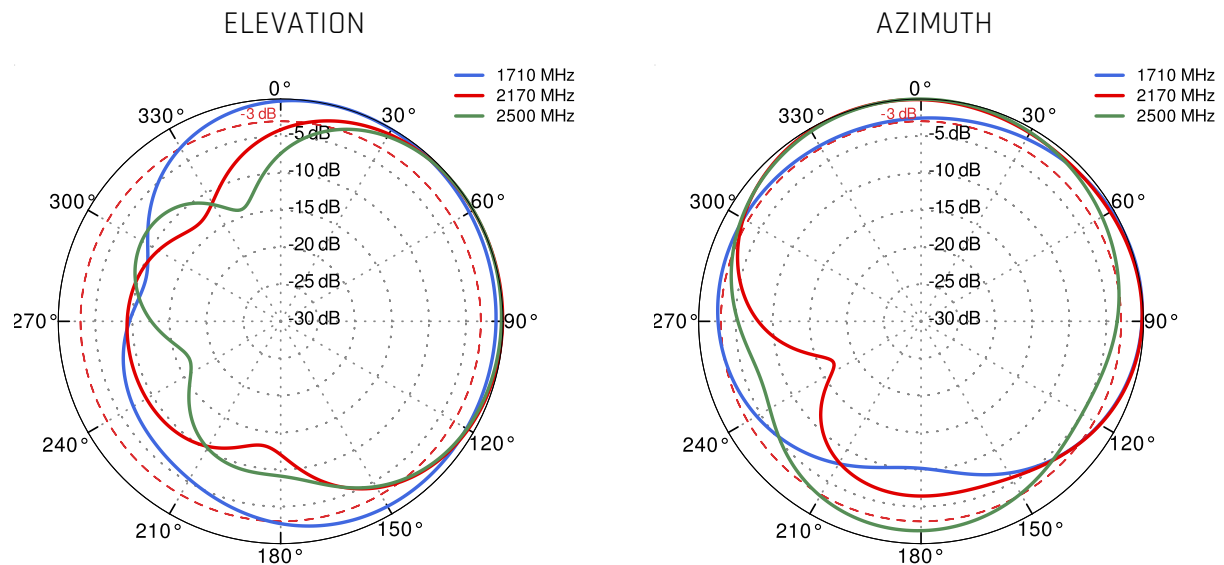
WiFi - V GAIN



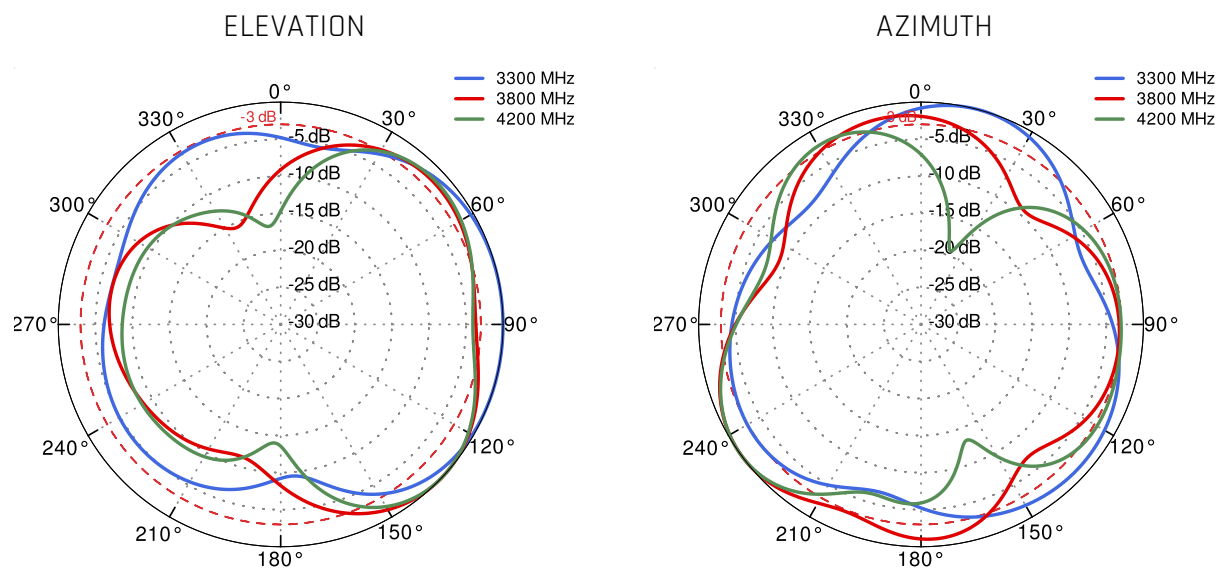
5G/LTE from 617MHz to 960MHz



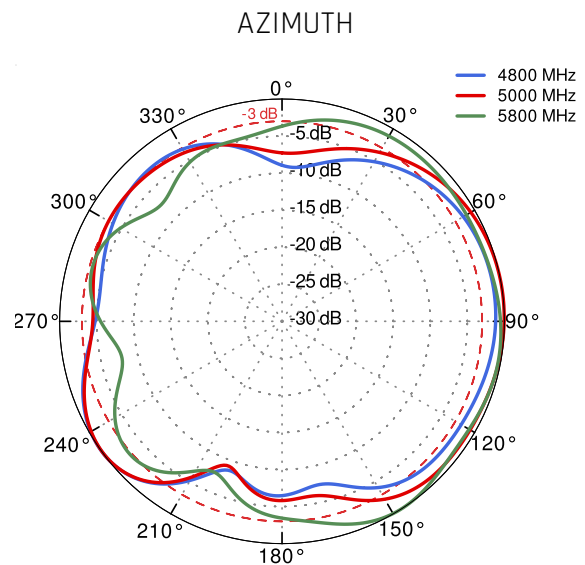
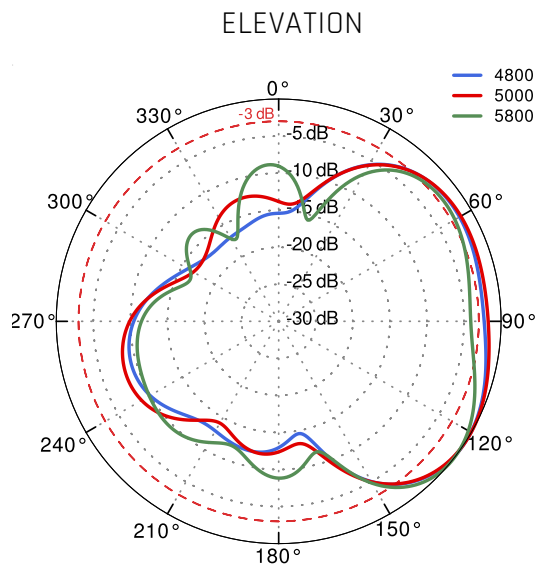
5G/LTE from 1.71GHz to 2.7GHz



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

