

# QuShell 20G

**QuShell 5G/LTE 2x2MIMO is a high performance mobility antenna providing performance connectivity across diverse frequencies and applications for 5G/4G/LTE.**

QuShell 5G/LTE 2x2MIMO is a high performance mobility antenna providing performance connectivity across diverse frequencies and applications for **5G/4G/LTE**. It offers optional GPS/GNSS. The optional high-performance GPS/GNSS antenna features an integrated 18dB gain LNA.

It comes with **2x 5G/LTE** and **1x GPS/GNSS** antennas.

It covers a wide range from **617 to 6000 MHz** for 5G/LTE bands.

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



**2X 5G/LTE AND 1X GPS/GNSS** ANTENNAS



ANTENNA **PERFECT FOR MOBILITY USES**



## 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 $\Omega$

## MECHANICAL SPECIFICATION

MATERIAL	ABS
CONNECTOR	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 ceiling or mast
MAST DIAMETER	40-66 mm 1.57-2.60 inch

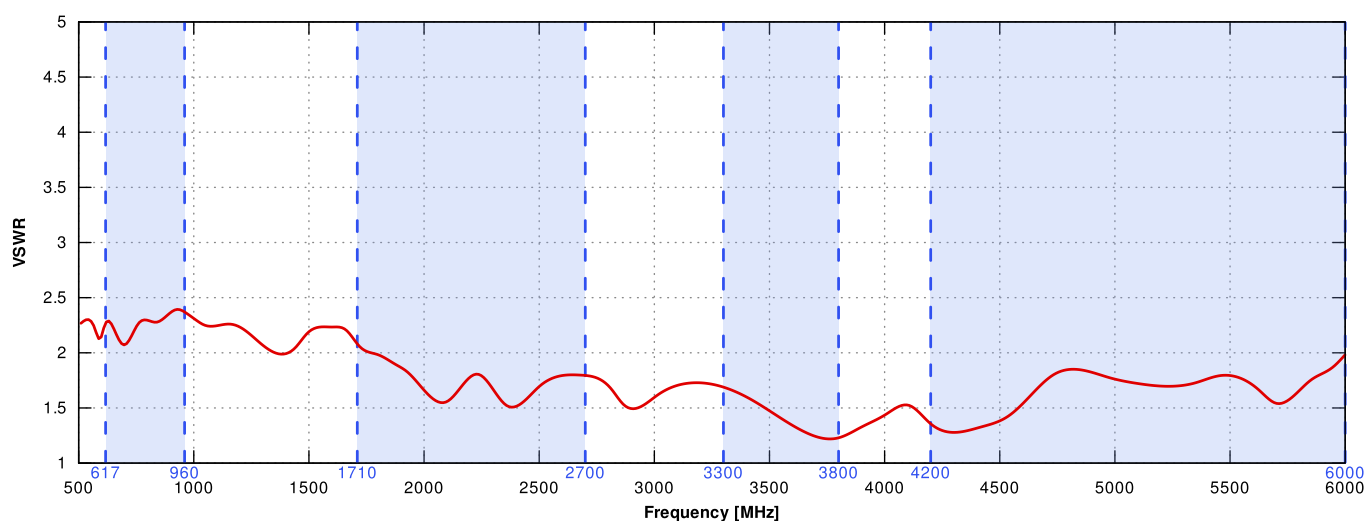
## COMPATIBLE ROUTERS

VARIANT: ASL20G

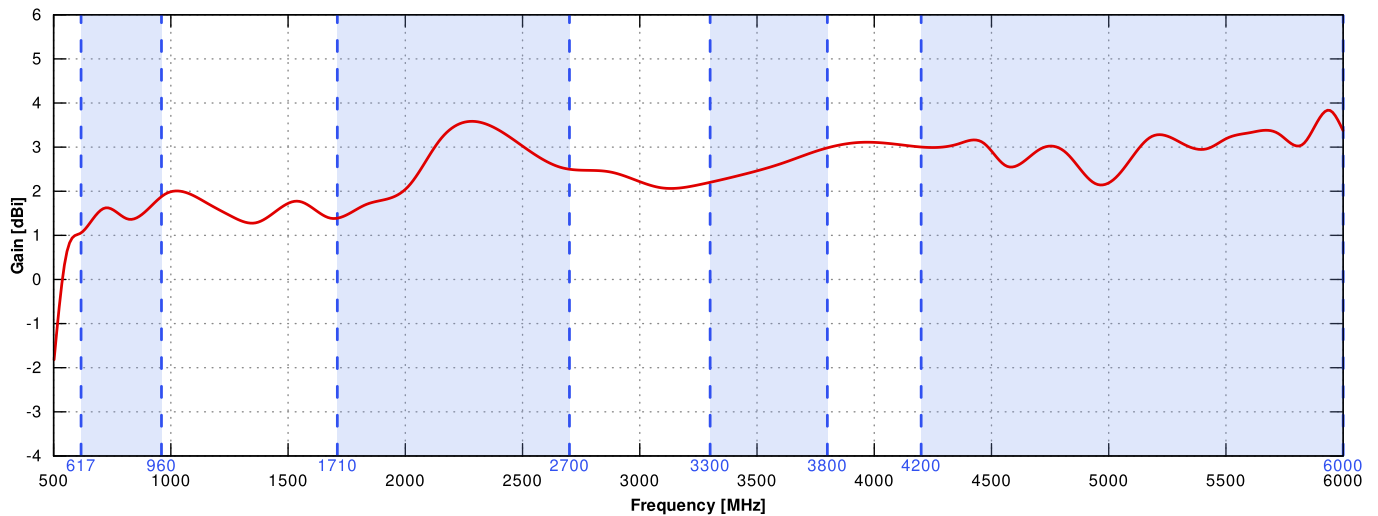
TELTONIKA	RUT271, RUT976
ROBUSTEL	R1511, R201x
FOUR-FAITH	Edge Computing Gateway F-G100
PEPLINK	Balance 310 5G
ROBUSTEL	R1511, R201x
TELTONIKA	RUT271, RUT976
ZYXEL	NR5101
OTHER	2 * SMA

## PLOTS

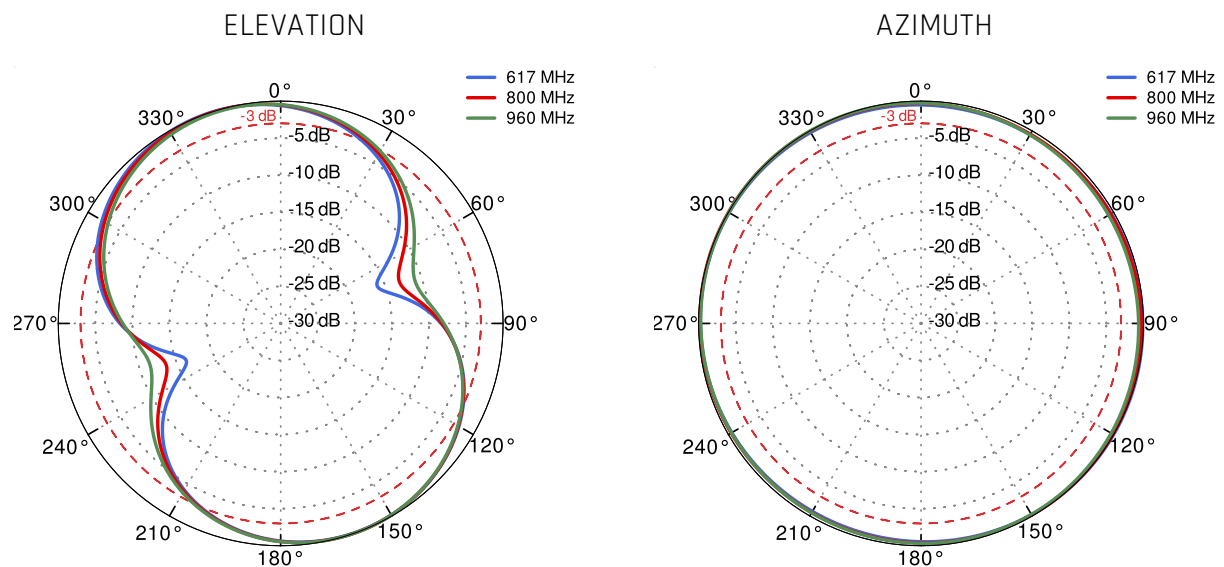
5G/LTE VSWR



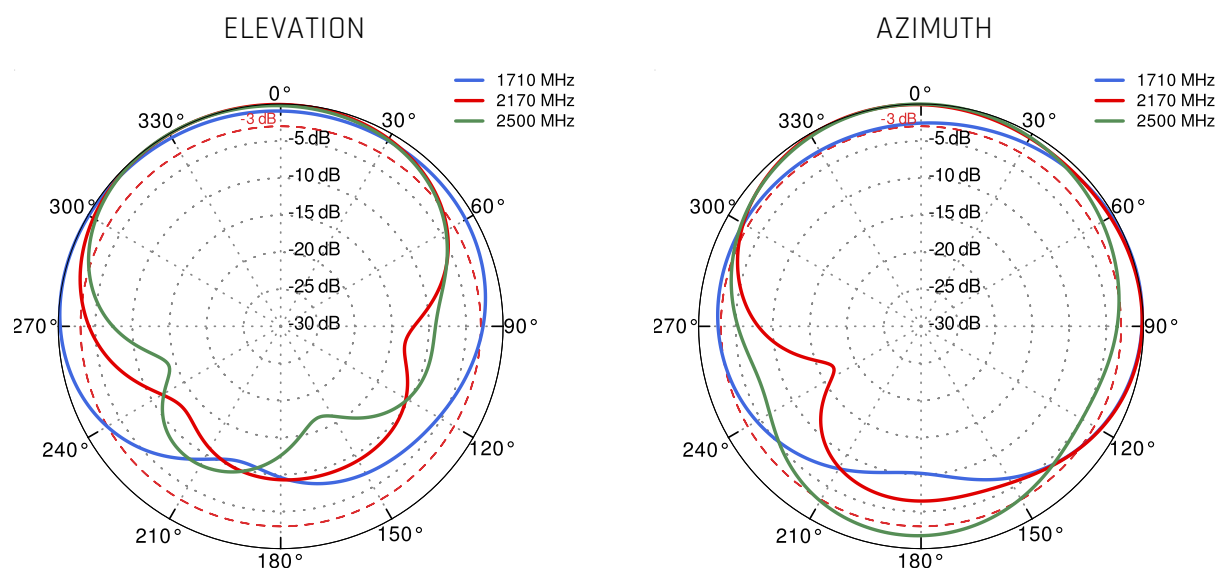
## 5G/LTE GAIN



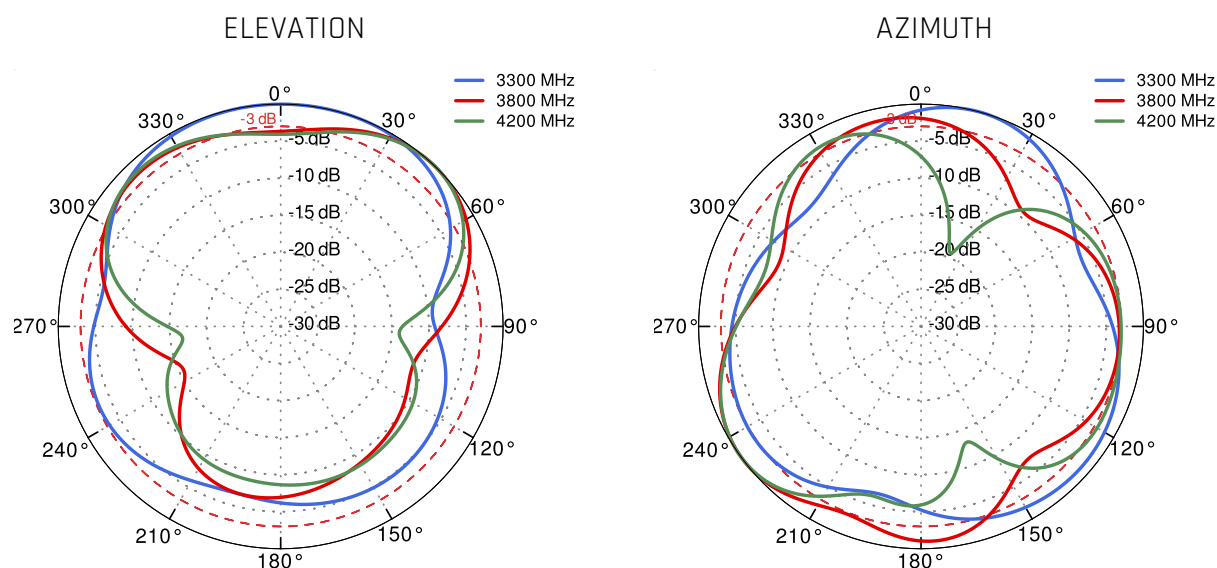
## 5G/LTE from 617MHz to 960MHz



## 5G/LTE from 1.71GHz to 2.7GHz



## 5G/LTE from 3.3GHz to 4.2GHz



## 5G/LTE from 4.8GHz to 5.8GHz

