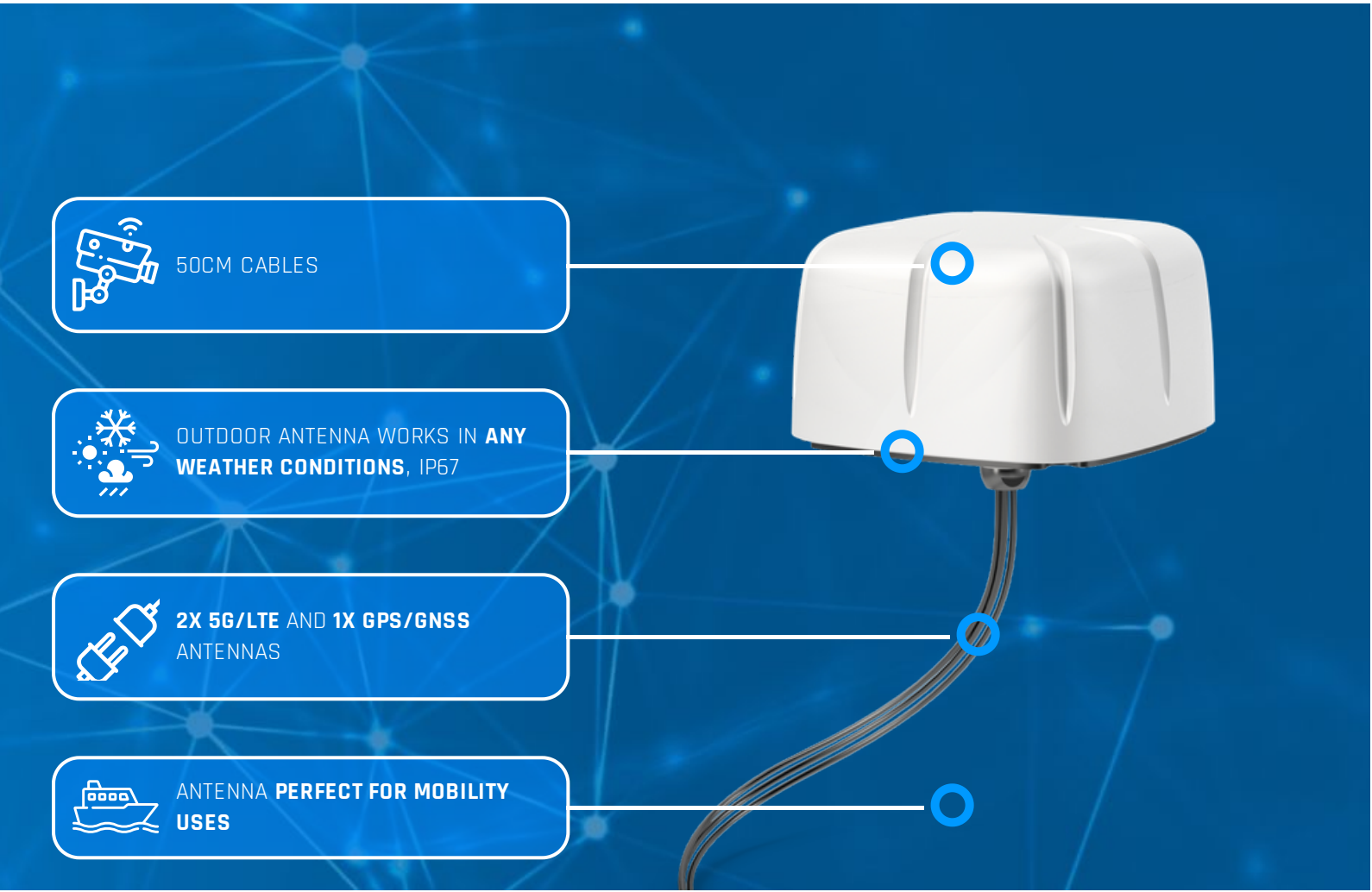
QuShell 20G

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 **580 to 6350 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.
Optional roof mounting is not included in standard set. Please notify us whether you would like to order the roof mounting version.





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
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

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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 mast
MAST DIAMETER	25-66 mm 0.98-2.60 inch

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COMPATIBLE ROUTERS

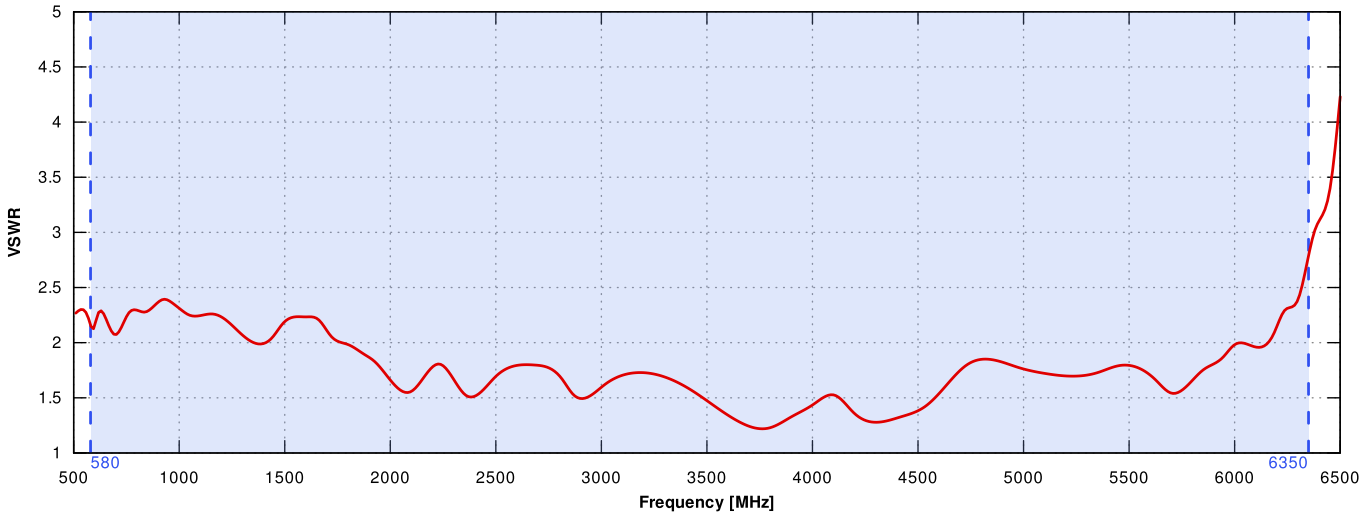
VARIANT: ASL20G

TELTONIKA	RUT271, RUT276, RUT976, RUTC41
ROBUSTEL	R1511, R201x
FOUR-FAITH	Edge Computing Gateway F-G100
INHAND	IR315
PEPLINK	Balance 310 5G
PERLE	IRG5410, IRG5520, IRG5521, IRG5540, IRG5541
QUECLINK	WR220
ROBUSTEL	R1511, R201x
SEMTECH (SIERRA WIRELESS)	AirLink EX400, AirLink RX400
TELTONIKA	RUT271, RUT276, RUT976, RUTC41
ZYXEL	NR5101
OTHER	2 * SMA

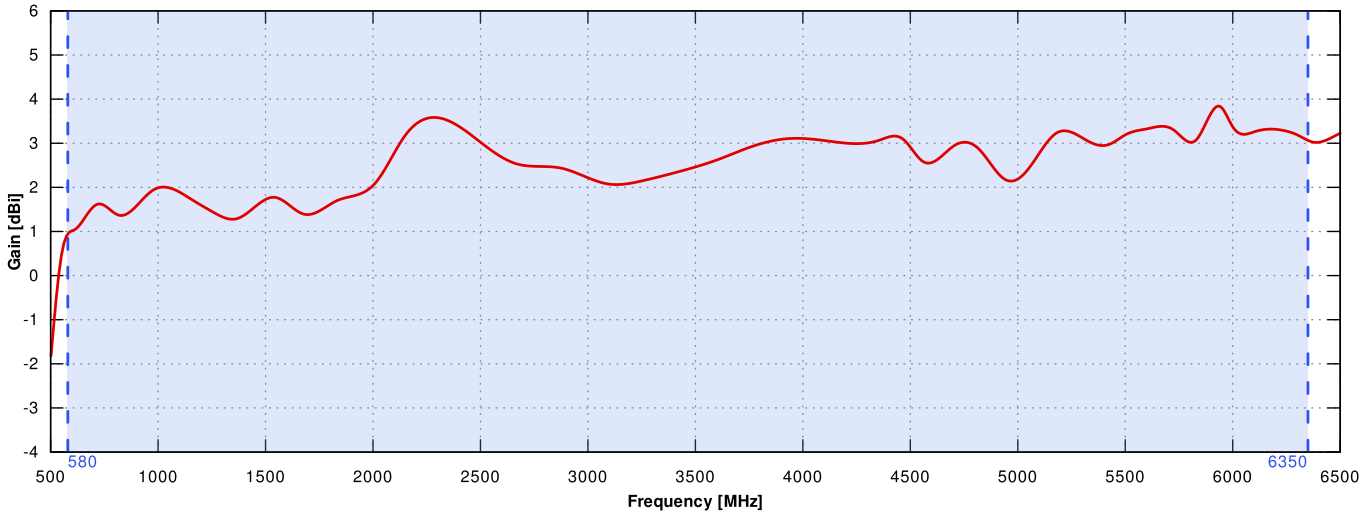
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PLOTS

5G/LTE VSWR



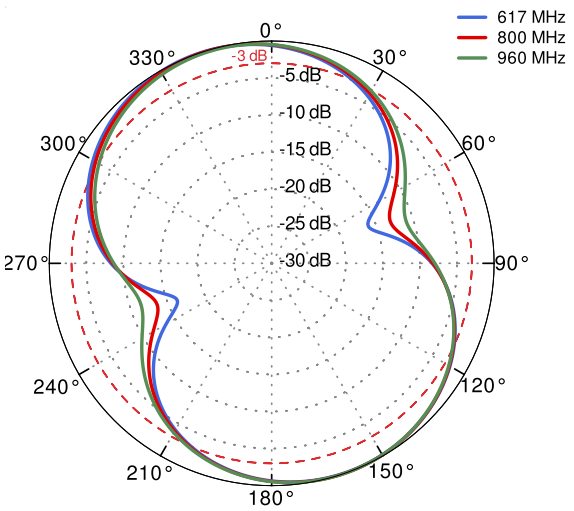
5G/LTE GAIN



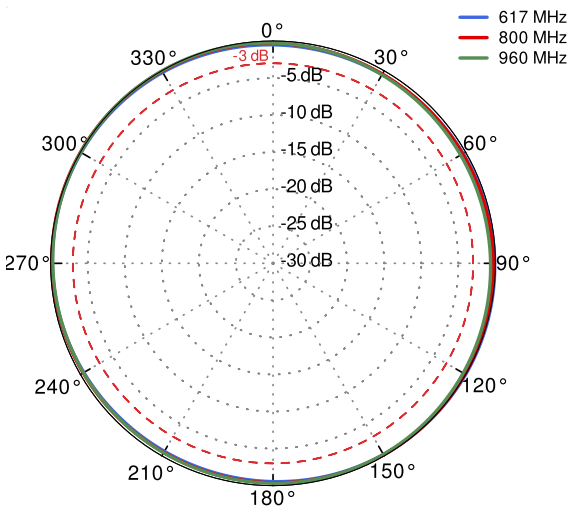
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5G/LTE from 617MHz to 960MHz

ELEVATION

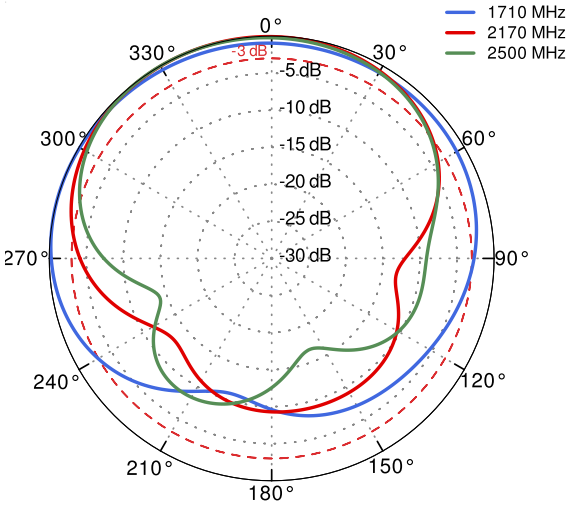


AZIMUTH

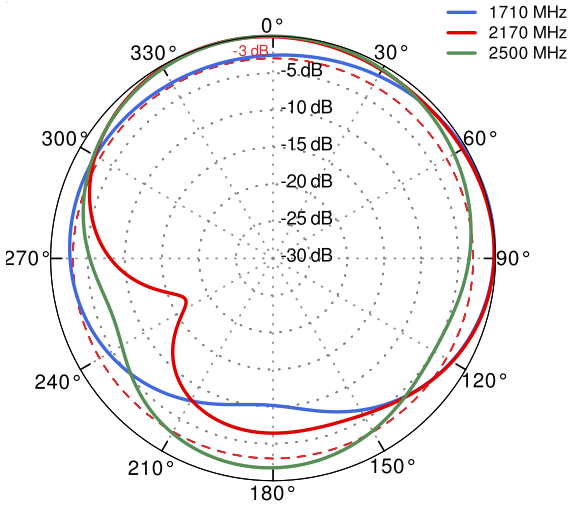


5G/LTE from 1.71GHz to 2.7GHz

ELEVATION



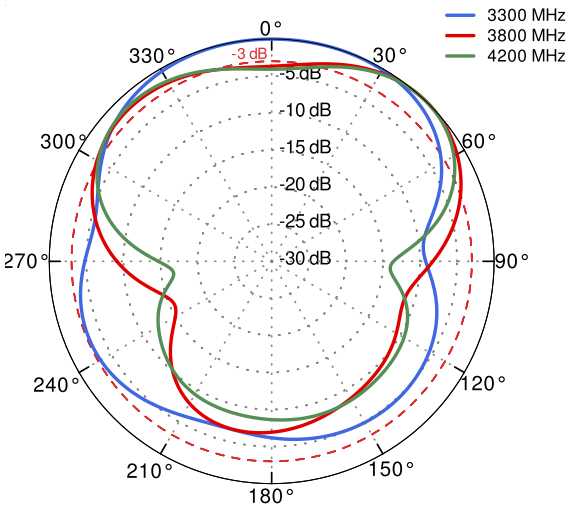
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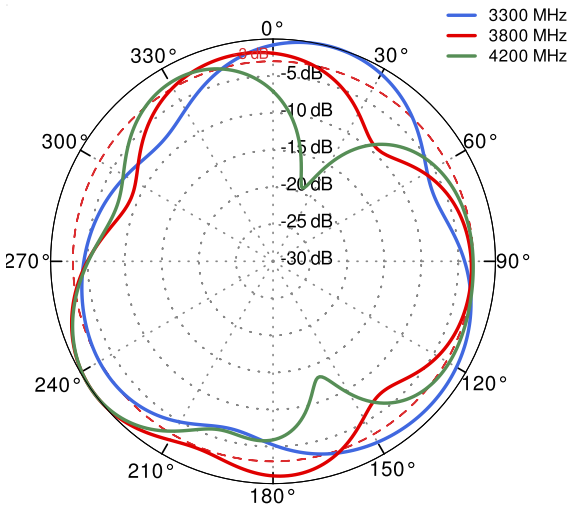
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5G/LTE from 3.3GHz to 4.2GHz

ELEVATION

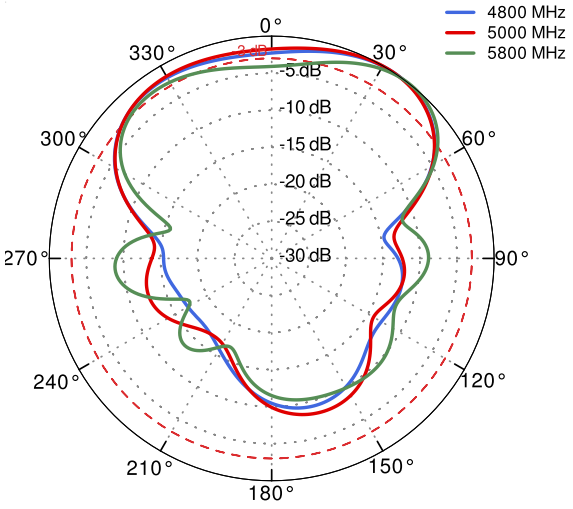


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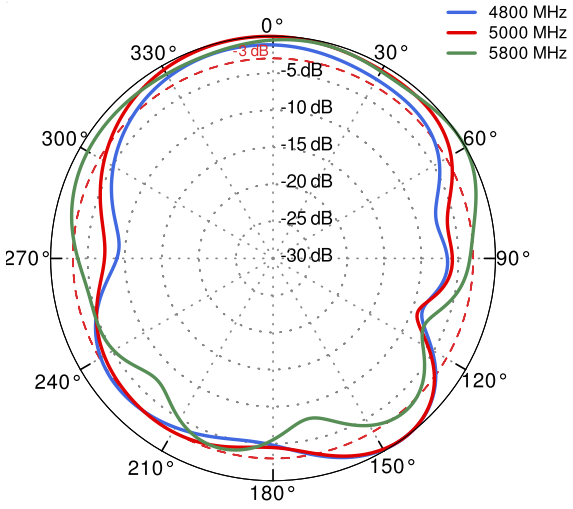


5G/LTE from 4.8GHz to 5.8GHz

ELEVATION



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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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