

# Qu0mni 5G/LTE MIMO 2x2, ver. US Nf

## Omnidirectional ultra wideband 5G/LTE MIMO 2x2 antenna

Qu0mni 5G/LTE omnidirectional MIMO 2x2 antenna is an ultra wide band outdoor LTE antenna. Its primary purpose is to cater to LTE/5G/3G/2G devices that demand highly efficient connections. This antenna covers a wide range of LTE bands, including the new Extended LTE Band 71, frequencies from 617 MHz to 3800 MHz.

Its versatile mounting bracket allows for installation on a pole or a wall, making it suitable for use as a client antenna. Additionally, it is well-suited for installation on mobile platforms like trains, buses, trucks, yachts, and boats to enable internet reception via LTE/5G/3G/2G.

This antenna serves as an ideal solution for pairing with various industrial and domestic 2x2 5G/LTE modems and routers, including manufacturers such as Teltonika, DIGI, Mikrotik, Robustel, Cisco, and more.

**5G****BAND  
71****2x2 MIMO****617-3800MHz****4 dBi****OMNI  
DIRECTIONAL****IP 67****-40° TO +80°**

OUTDOOR ANTENNA WORKS IN ANY  
WEATHER CONDITIONS, IP67



GALVANIZED STEEL, WALL OR POLE  
MOUNTING BRACKET



TWO INTEGRATED NF CONNECTORS



360° BEAMWIDTH



4DBI GAIN



MADE IN EUROPE



## 5G / LTE ANTENNA SPECIFICATION

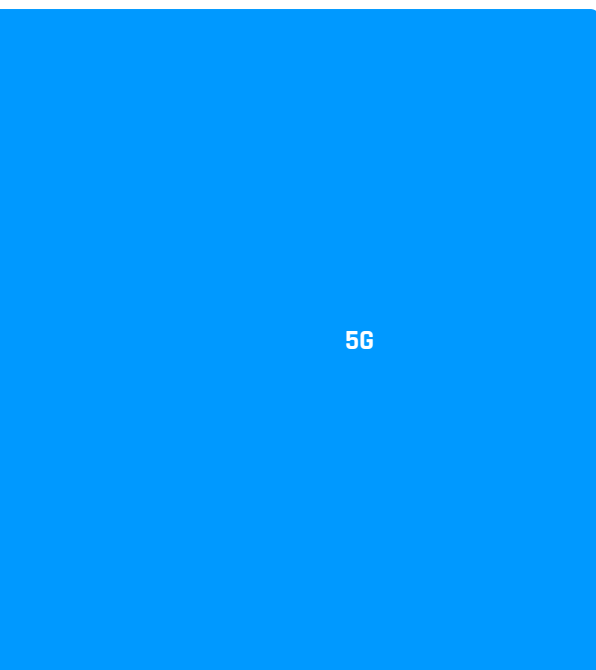
FREQUENCY	617 - 960 MHz 1.7 - 2.2 GHz 2.3 - 2.7 GHz 3.3 - 3.8 GHz
GAIN	617 - 960 MHz : 3 dBi 1.7 - 2.2 GHz : 3.5 dBi 2.3 - 2.7 GHz : 3.5 dBi 3.3 - 3.8 GHz : 4dBi
SUPPORTED LTE BANDS	1, 2, 3, 4, 5, 7, 8, 9, 10, 12, 13, 14, 17, 18, 19, 20, 22, 25, 26, 27, 28, 29, 30, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 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, n48, n53, n65, n66, n67, n71, n78, n80, n81, n82, n83, n84, n85, n86, n89, n90, n95, n97, n98, n100, n101, n256
VSWR	<1.80, max <2.00
BEAMWIDTH	360°/35° ±5°
POLARIZATION	Vertical
IMPEDANCE	50 $\Omega$

## MECHANICAL SPECIFICATION

MATERIALS	ABS, aluminum, PTFE
CONNECTOR TYPE	2x integrated Nf
INGRESS PROTECTION	IP67
DIMENSIONS	160 x 160 x 240 mm 6.3 x 6.3 x 9.45 inch
WEIGHT	1.5 kg 3.31 lbs
OPERATING TEMPERATURE	From -40°C to 80°C From -40°F to 176°F
MAST DIAMETER	40-60 mm 1.57-2.36 inch

## FREQUENCY BANDS

LTE / 4G	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
	48	49	52	53	65	66	67
	68	69	71	85	103	106	
	617 MHz						3800 MHz



	n1	n2	n3	n5	n7	n8	n12	
	n13	n14	n18	n20	n25	n26	n28	
	n29	n30	n34	n38	n39	n40	n41	
617 MHz	n48	n53	n65	n66	n67	n71	n78	3800 MHz
	n80	n81	n82	n83	n84	n85	n86	
	n89	n90	n95	n97	n98	n100	n101	
	n256							

## COMPATIBLE ROUTERS

VARIANT: AO5G2U-N

<b>TELTONIKA</b>
<b>ROBUSTEL</b>
<b>RAJANT</b>
<b>ACKSYS</b>
<b>ADVANTECH</b>
<b>AIRGAIN</b>

RUT200, RUT230, RUT240, RUT241, RUT260, RUT271, RUT900, RUT901, RUT950, RUT951, RUT955, RUT956, RUT976, RUTM09, RUTM11, RUTX09, RUTX11, TRB160
EG5100, LG5100, R1500, R1510, R1511P, R151x, R1520 Global, R1520-4L (S), R1520-4L (V), R2010, R2011, R201x, R2110, R3000, R3000 Industrial, R3000 LG, R3000 Lite, R3000 Quad, R3010
Peregrine LTE BreadCrumb FE1-2455LS, Peregrine LTE BreadCrumb FE1-2455LW
AirBox LTE, AirWan
ICR-2031
NL-SW-LTE-GELS3, NL-SW-LTE-QBG95, NL-SW-LTE-QBG96, NL-SW-LTE-SRC7611-4, NL-SW-LTE-TC1NAG, NL-SW-LTE-TC1WWG, NL-SW-LTE-TC4NAG, NL-SW-LTE-TC4WWG, NL-SW-LTE-TG1WWG, NL-SWNB-LTE-NRF9160-D

<b>AM TELECOM</b>	AMM545, AMM5500, AMM574, AMM585
<b>ANYBUS</b>	Wireless Router WLAN
<b>COMSET</b>	CM210A-W, CM210Q-W, CM510Q-W, CM685T-W, CM685V-1, CM685V-4, CM685V-6, CM685V-6-G, CM820Q-4, CM820Q-6, CM820T-W, CM820V-4, CM820V-W
<b>CRADLEPOINT</b>	CBA550, E100, E102, IBR200, IBR600C, IBR900, L950, R500, R920, S700
<b>D-LINK</b>	DWR-960, G415 AX1500, G416 AX1500, N300 4G
<b>DIGI</b>	6310-DX, 6330-MX, EX12, EX15, IX10, IX15, IX20, IX30, WR31, WR44 RR
<b>FIBOCOM</b>	FG132-M.2, FG132-MiniPCle, FM101-CG, FM101-EAU, FM101-NA, L610-EU-MiniPCle, L610-LA-MiniPCle, L716-CN MiniPCle, L716-EU-MiniPCle, NL668-AM MiniPCle, NL668-EAU-M.2, NL668-EU MiniPCle, NL668-JP MiniPCle, NL668-LA MiniPCle
<b>FORTINET</b>	FEX-101F, FEX-201F, FEX-211E, FEX-212F, FortiGate Rugged 60F-3G4G, FortiGate Rugged 70F-3G4G
<b>FOUR-FAITH</b>	4G Cellular Router F-R100, 4G Industrial Computer F4931-R2H, 4G Industrial Computer F4932-R2H-DF1, Android Industrial Computer F4932-R1Q, Cellular Wireless Router F-R200, Dual Sim 4G Router F3X46, Dual-sim WiFi Router F3946, Edge Computing Gateway F-G100, Industrial WiFi Router F3X36Q, LAN Port Router F3X26 V2, LTE Industrial Router F3X27 V2, LTE Wireless Router F3x36
<b>INHAND</b>	IR302
<b>MIKROTIK</b>	RB912, RB922, RBM11G, RBM33G
<b>MILESIGHT</b>	UR32
<b>OPTION</b>	CloudGate LTE WW CAT4

<b>PEPLINK</b>	Balance 20X, Balance 310 5G, MAX BR1 Classic, MAX BR1 ENT, MAX BR1 IP55, MAX BR1 M2M, MAX BR1 Mini, MAX BR1 Mini (HW3), MAX BR1 Mini Core (HW3), MAX BR1 Mini M2M, MAX BR1 MK2, MAX BR1 Pro, MAX BR1 Slim
<b>PROROUTE</b>	H685 4G Router, H685 LTE 4G CAT6 Router, H820 M2M 4G Router
<b>QUECTEL</b>	LTE-A EM060K-EA, LTE-A EM060K-GL, LTE-A EM061K-GL, LTE-A EM120K-GL, LTE-A EM120R-GL
<b>RAJANT</b>	Peregrine LTE BreadCrumb FE1-2455LS, Peregrine LTE BreadCrumb FE1-2455LW
<b>ROBUSTEL</b>	EG5100, LG5100, R1500, R1510, R1511P, R151x, R1520 Global, R1520-4L (S), R1520-4L (V), R2010, R2011, R201x, R2110, R3000, R3000 Industrial, R3000 LG, R3000 Lite, R3000 Quad, R3010
<b>SEMTECH (SIERRA WIRELESS)</b>	AirLink LX40, AirLink LX60, AirLink MP70, AirLink RV50X, AirLink RV55, AirLink RX55, EM7411, EM7421, EM7431, EM7511, EM7565, EM7590, EM7595, EM7690, MC7411, MC7421, MC7431, RV55, WP7607, WP7610
<b>SIEMENS</b>	6GK5876-4AA00-2BA2, 6GK5876-4AA00-2DA2, 6GK5876-4AA10-2BA2
<b>SIMCOM</b>	A7602E-H-M2, A7602E-H-PCIEA, A7608SA-H MiniPCie, A7906E-M2, SIM7600X-H MiniPCie, SIM7600X-H-M2, SIM7600X-MiniPCie, SIM7906A-M2, SIM7906E-M2, SIM7906G-M2, SIM7912A-M2, SIM7912E-M2
<b>TELIT CINTERION</b>	FN920C04, LE910Cx Linux mPCie Series, LE910Cx ThreadX mPCie Series, LM940, LN920, mPLS63, mPLS83
<b>TELTONIKA</b>	RUT200, RUT230, RUT240, RUT241, RUT260, RUT271, RUT900, RUT901, RUT950, RUT951, RUT955, RUT956, RUT976, RUTM09, RUTM11, RUTX09, RUTX11, TRB160
<b>WAVETEL</b>	W2400 LTE , W3600 4G/LTE Dual WAN, W3604 Multi-WAN, W3608 Multi-WAN, W421, W4300S 5G, W4600, W4600-S2
<b>WLINK</b>	ER120, G200, G510, G520, ODU310, R210, R220, R520

**ZYXEL**

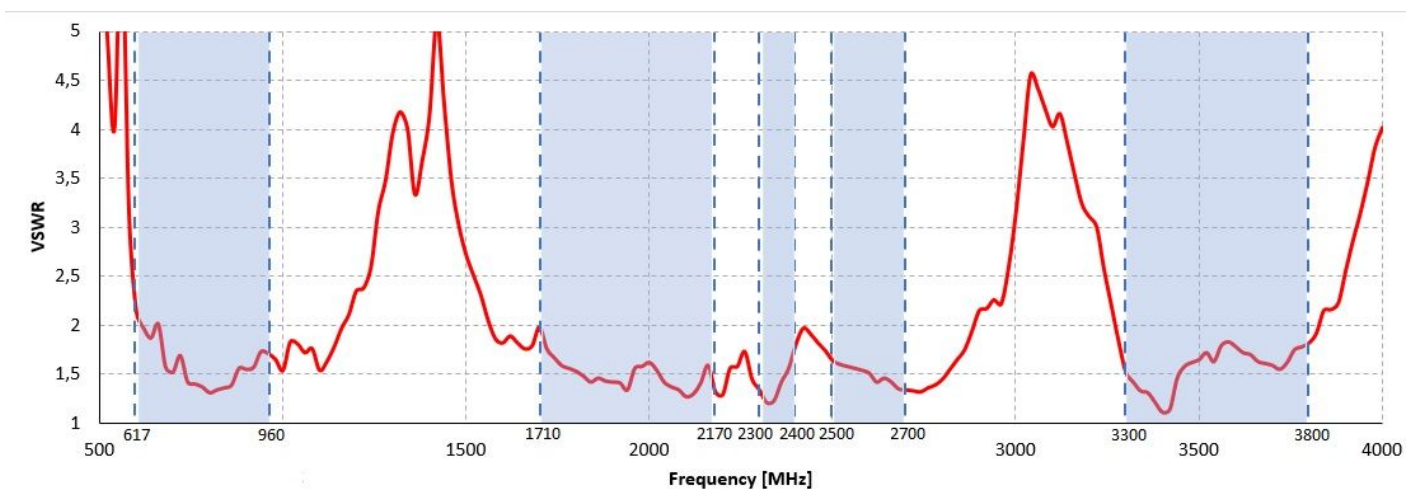
 LTE3202-M437, LTE3301-PLUS, LTE5388-M804, LTE5398-M904,  
NR5101

**OTHER**

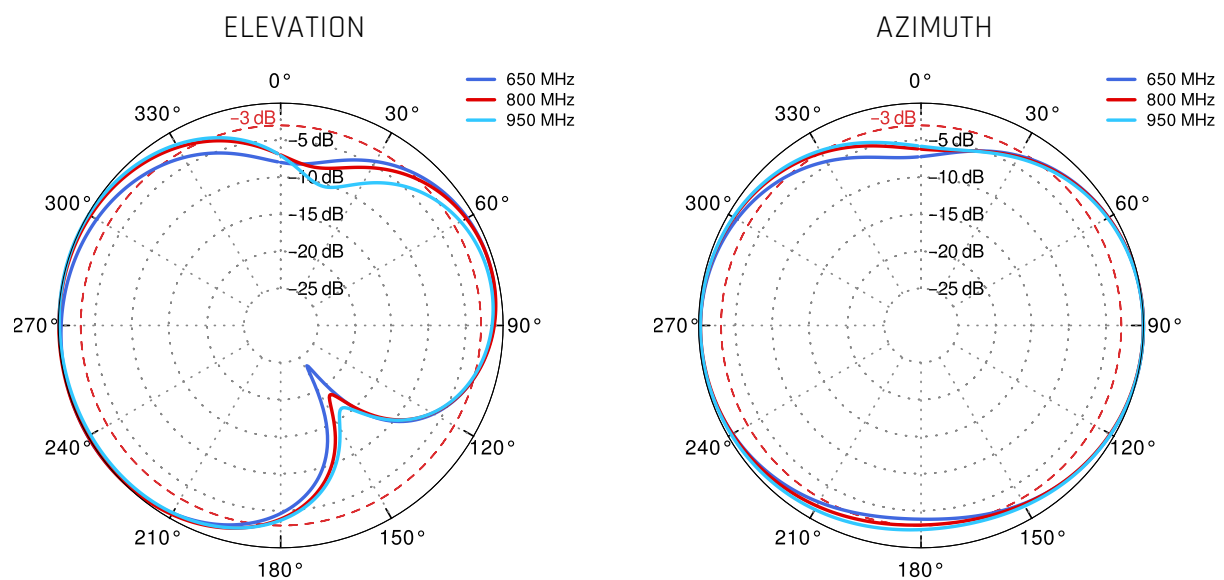
2 \* SMA, 3 \* SMA

## PLOTS

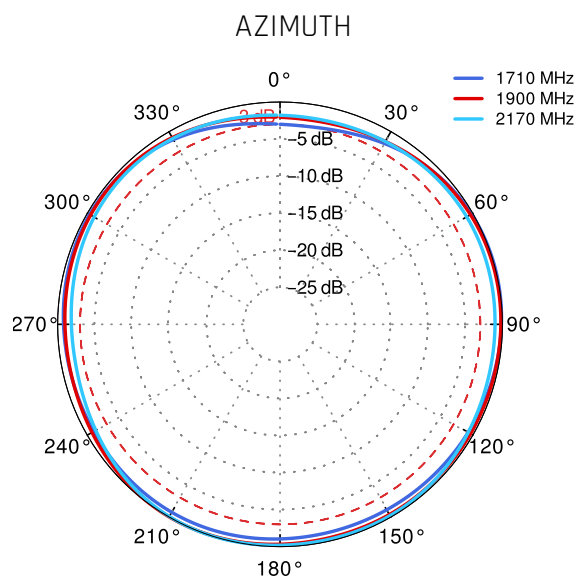
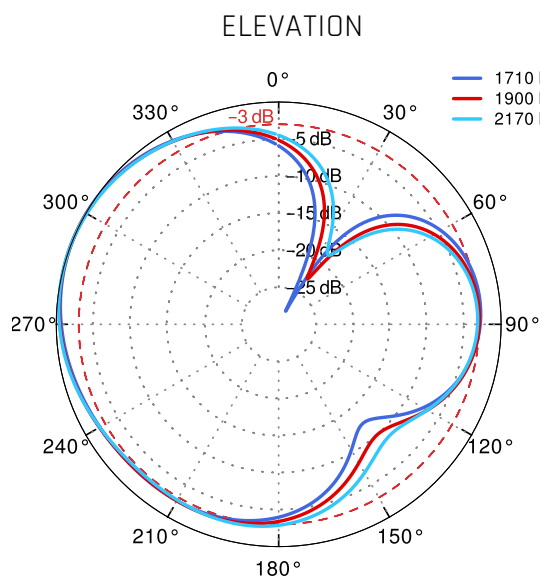
VSWR for LTE antenna



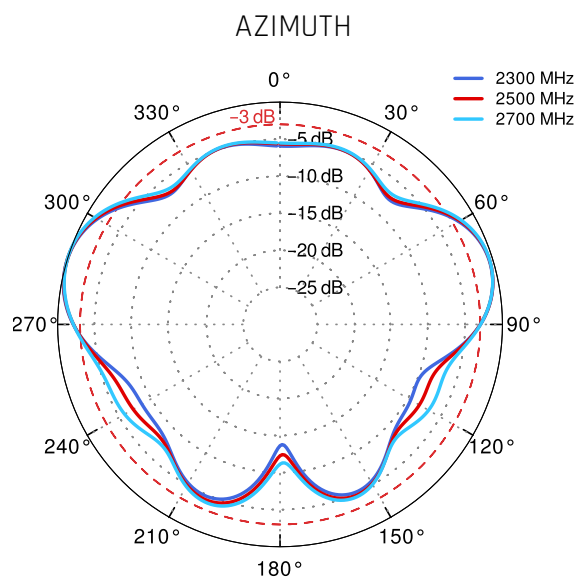
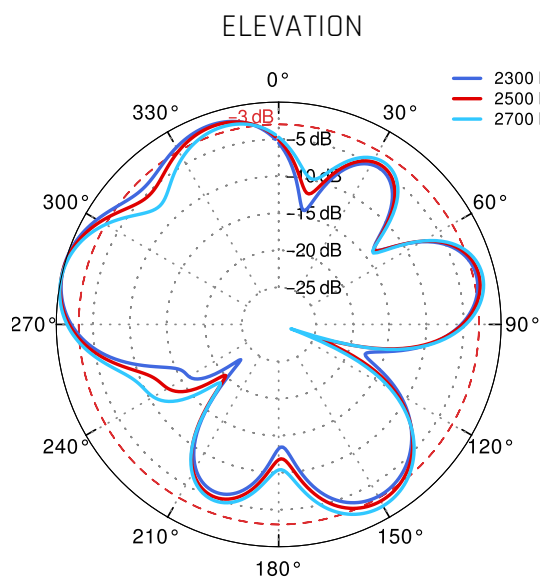
From 650MHz to 950MHz



From 1.71GHz to 2.17GHz

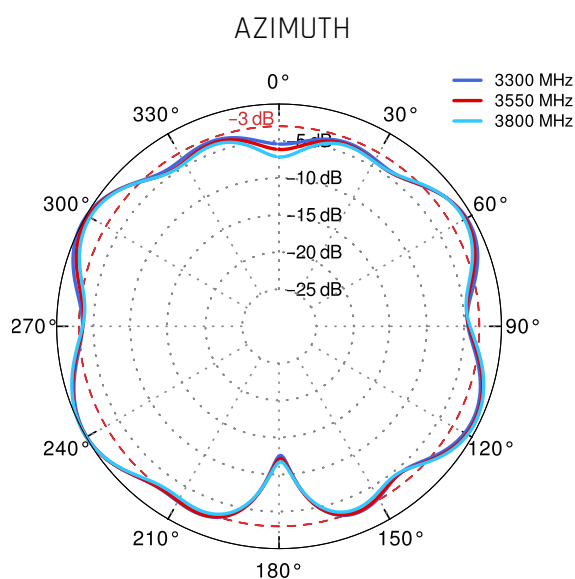
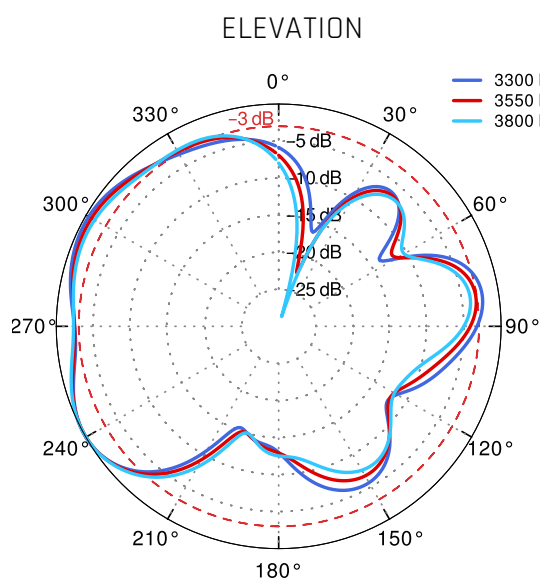


From 2.3GHz to 2.7GHz





From 3.3GHz to 3.8GHz



## DIMENSIONS

