

# QuOmni 5G/LTE MIMO 2x2, ver. US + GPS

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

QuOmni 5G/LTE omnidirectional MIMO 2x2 is ultra wideband LTE Outdoor antenna that includes GPS antenna. It's primary designed for LTE/5G/3G/2G devices which require high efficiency connections. The antenna covers many LTE bands including the new Extended LTE Band 71, frequencies: 617 - 3800MHz. The mounting bracket allows the antenna to be installed on the buildings (on the pole or on the wall) as the client antenna or on the moving points like trains, buses, lorries, yachts, boats to receive Internet by LTE/5G/3G/2G. It's ideal solution to use with all industrial and domestic 2x2 LTE modems and routers like: Teltonika, DIGI, Mikrotik, Robustel, Cisco, etc.



## 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 $\Omega$
CONNECTOR	2x SMA
CABLE TYPE	LMR195 white

## GPS ACTIVE ANTENNA SPECIFICATION

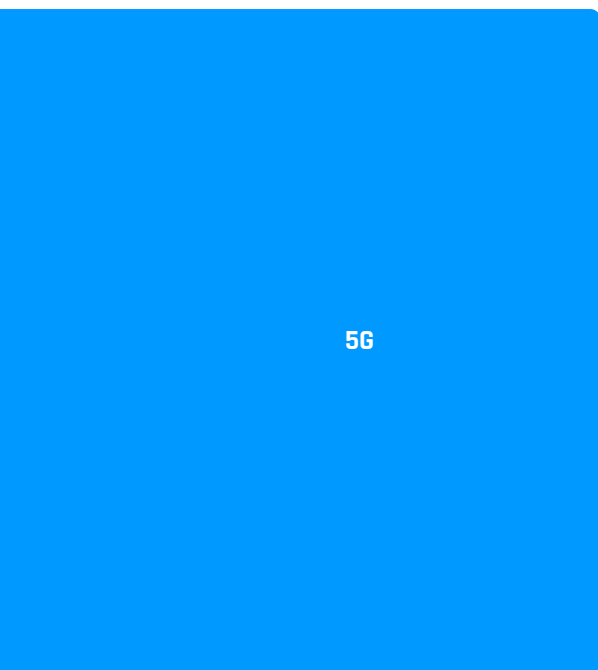
FREQUENCY	1.56 ~ 1.61 GHz
VSWR	< 2
GAIN	3 dBi
GAIN 3V	28 dBi
DC POWER INPUT	2.5 V ~ 6.5 V
POWER CONSUMPTION	2.5-6.5mA
IMPEDANCE	50 $\Omega$
POLARIZATION	RHCP (right hand circularly polarized)
CONNECTOR	1x SMA
CABLE TYPE	LMR195 white

## MECHANICAL SPECIFICATION

MATERIALS	ABS, aluminum, PTFE
INGRESS PROTECTION	IP68
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 75°C From -40°F to 167°F
CABLE LENGTH	5m
MAST DIAMETER	40-60 mm 1.57-2.36 inch

## FREQUENCY BANDS

LTE / 4G	1	2	3	4	5	7	8	617 MHz	3800 MHz
	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			



5G

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						

617  
MHz

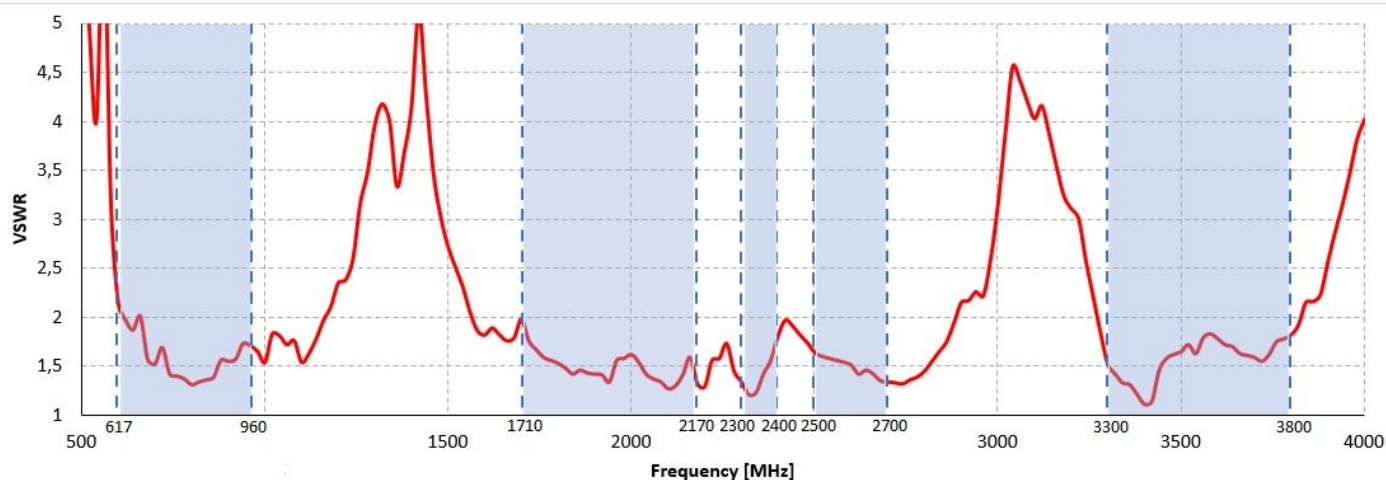
3800  
MHz

## COMPATIBLE ROUTERS

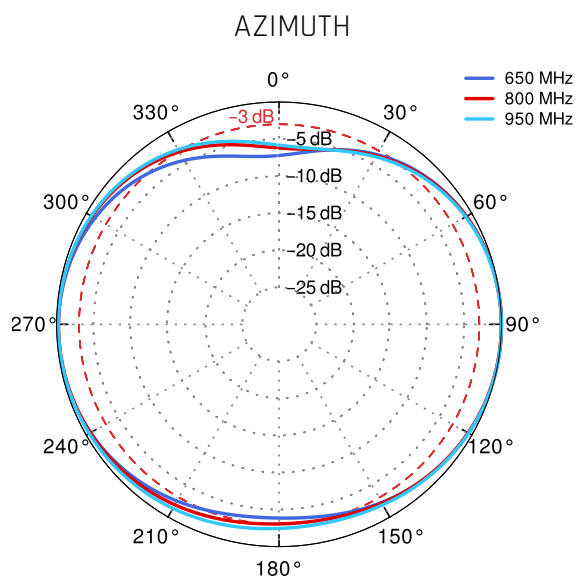
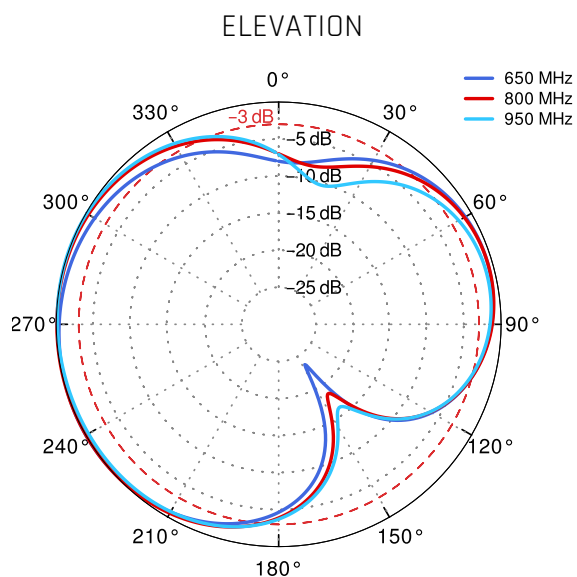
VARIANT: A05G2U

## PLOTS

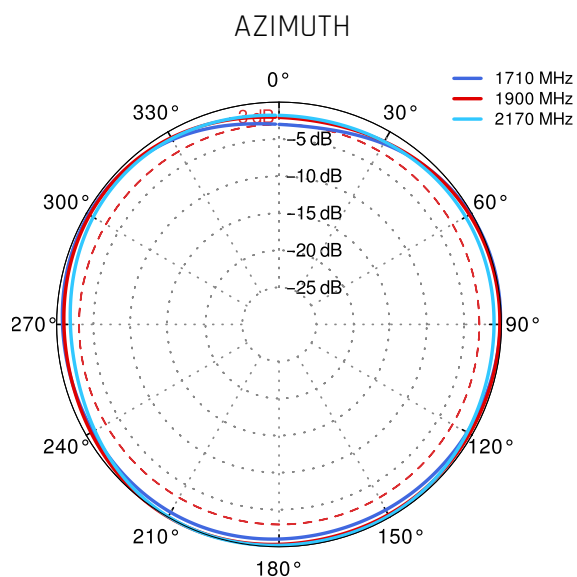
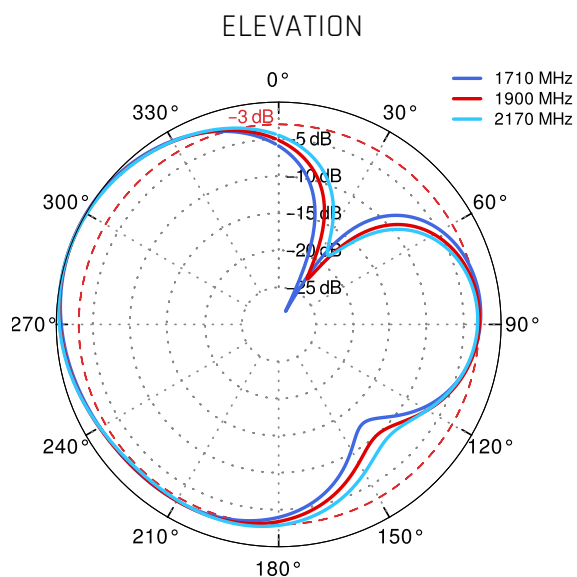
VSWR for LTE antenna



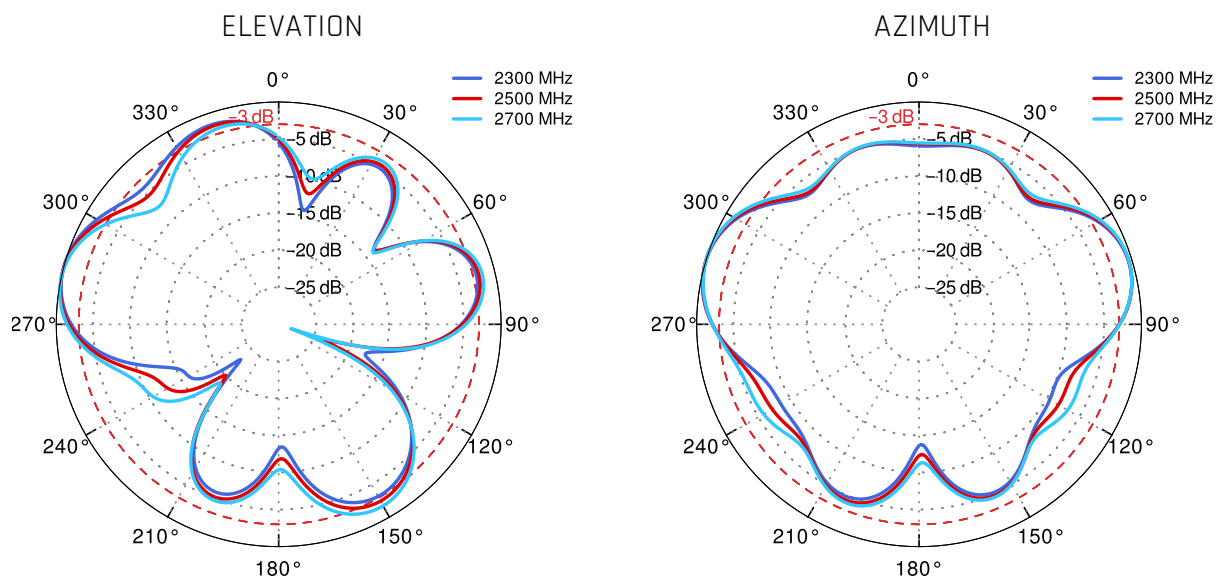
From 650MHz to 950MHz



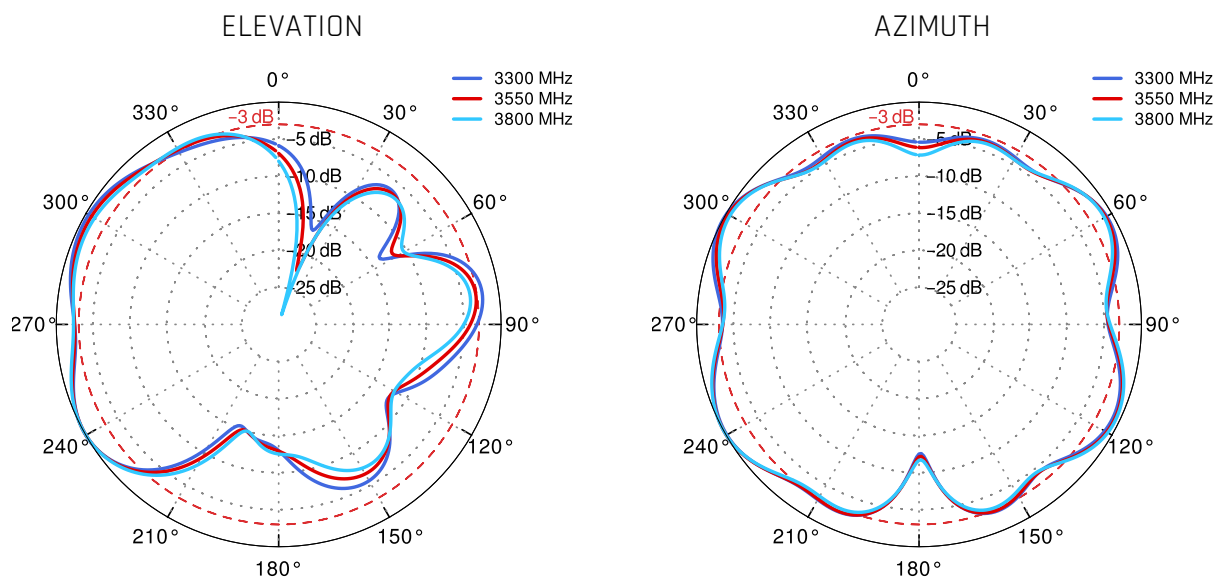
From 1.71GHz to 2.17GHz



From 2.3GHz to 2.7GHz



From 3.3GHz to 3.8GHz



## DIMENSIONS

