

# QuOmni 5G/LTE Global MIMO 2x2 Nf

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

QuOmni 5G/LTE omnidirectional MIMO 2x2 is ultra wideband LTE Outdoor 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 - 6000MHz**. 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****BAND  
71****2x2 MIMO****617-6000MHz****4 dBi****OMNI  
DIRECTIONAL****IP 68****-40° TO +80°**

WIDE BAND 600-6000MHZ, 5G  
TECHNOLOGY



GALVANIZED STEEL, WALL OR POLE  
MOUNTING BRACKET



TWO NF CONNECTORS



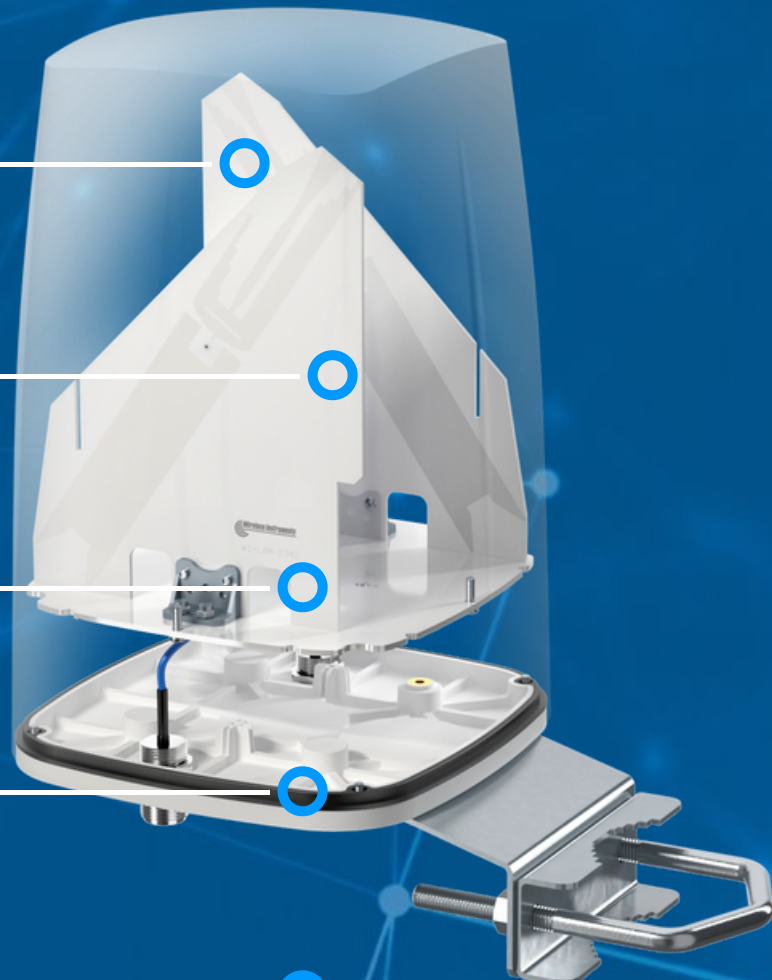
360° BEAMWIDTH



4.5DBI GAIN



MADE IN EUROPE



## 5G / LTE ANTENNA SPECIFICATION

FREQUENCY	617 - 960 MHz 1.7 - 2.7 GHz 3.3 - 4.7 GHz 5.2 - 6.0 GHz
GAIN	617 - 960 MHz : 3 dBi 1.7 - 2.2 GHz : 4 dBi 3.3 - 4.7 GHz : 4.5 dBi 5.2 - 6.0 GHz : 2.5dBi
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	<1.80, max <2.00
BEAMWIDTH	360°/35° ±5°
POLARIZATION	Vertical
IMPEDANCE	50 $\Omega$

## MECHANICAL SPECIFICATION

MATERIALS	ABS, aluminum, PTFE
CONNECTOR TYPE	Nf
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 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
	47	48	49	52	53	65	66
	67	68	69	71	85	103	106
	617 MHz						6000 MHz

**5G**

617  
MHz

6000  
MHz

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

## COMPATIBLE ROUTERS

VARIANT: AO5G2-GN

**TELTONIKA**

RUT200, RUT230, RUT240, RUT241, RUT260, RUT271, RUT900, RUT901, RUT950, RUT951, RUT955, RUT956, RUT976, RUTM09, RUTM11, RUTX09, RUTX11, TRB160

**ROBUSTEL**

EG5100, LG5100, R1500, R1510, R1511, R1511P, R1520 Global, R1520-4L (S), R1520-4L (V), R2010, R2011, R201x, R2110, R3000, R3000 Industrial, R3000 LG, R3000 Lite, R3000 Quad, R3010

**RAJANT**

Peregrine LTE BreadCrumb FE1-2455LS, Peregrine LTE BreadCrumb FE1-2455LW

**ACKSYS**

AirBox LTE, AirWan

**ADVANTECH**

ICR-2031

**AIRGAIN**

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>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>ERICSSON (CRADLEPOINT)</b>	CBA550, E100, E102, IBR200, IBR600C, IBR900, L950, R500, R920, S400, S700
<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, R1511, R1511P, 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 MiniPCle, A7906E-M2, SIM7600X-H MiniPCle, SIM7600X-H-M2, SIM7600X-MiniPCle, SIM7906A-M2, SIM7906E-M2, SIM7906G-M2, SIM7912A-M2, SIM7912E-M2
<b>TELIT CINTERION</b>	FN920C04, LE910Cx Linux mPCle Series, LE910Cx ThreadX mPCle 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**

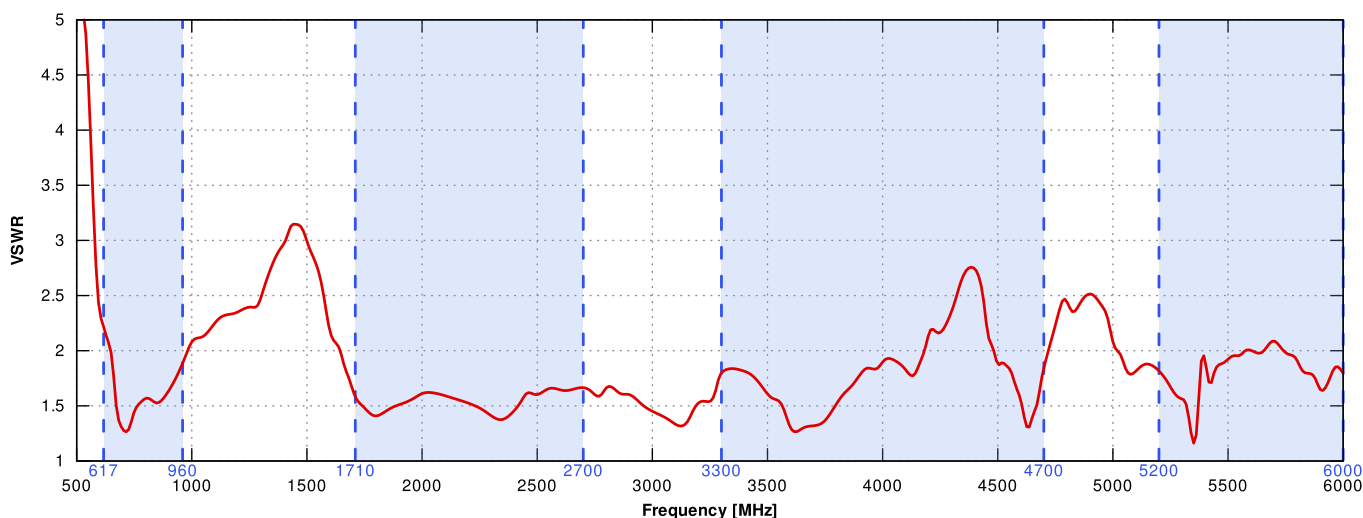
 LTE3202-M437, LTE3301-PLUS, LTE5388-M804, LTE5398-M904,  
NR5101

**OTHER**

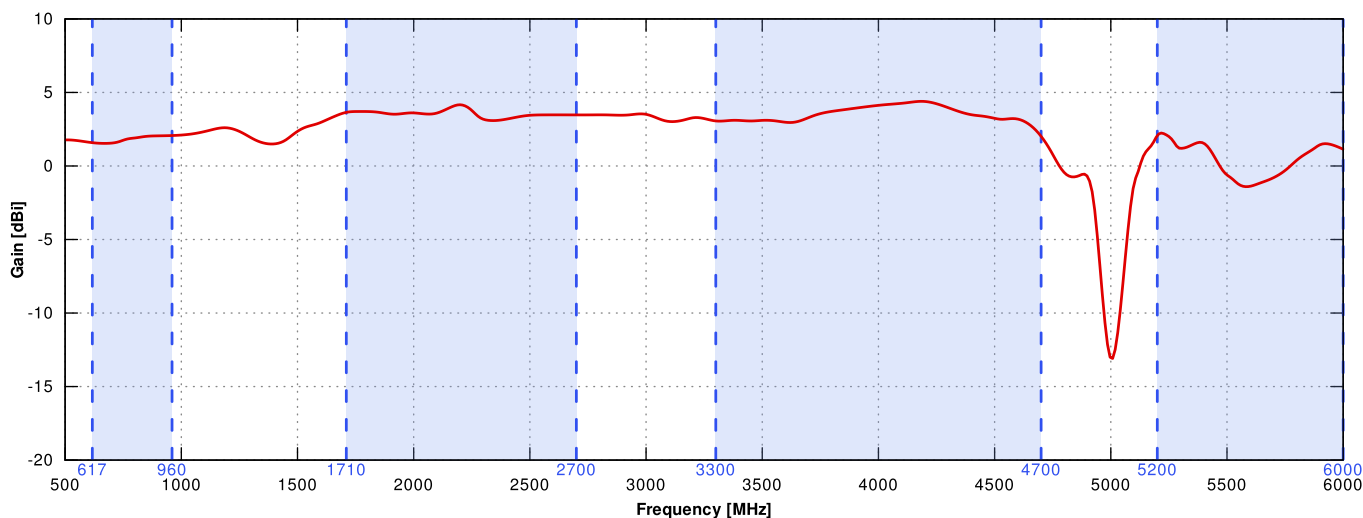
2 \* SMA, 3 \* SMA

## PLOTS

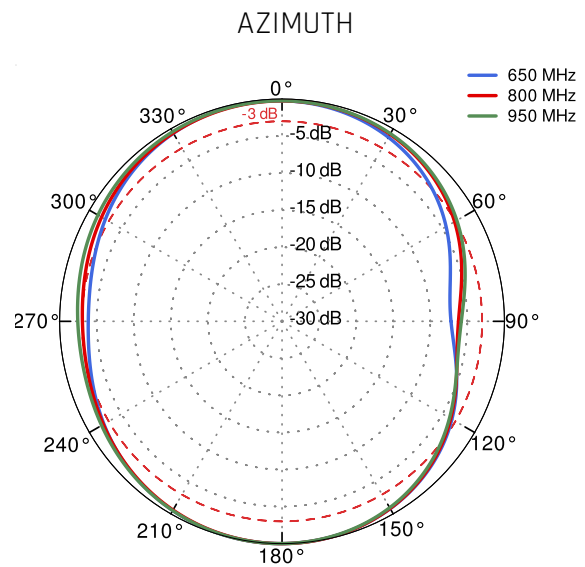
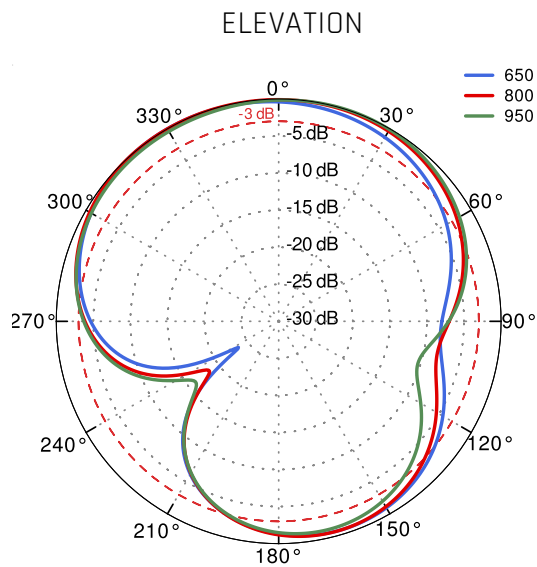
VSWR



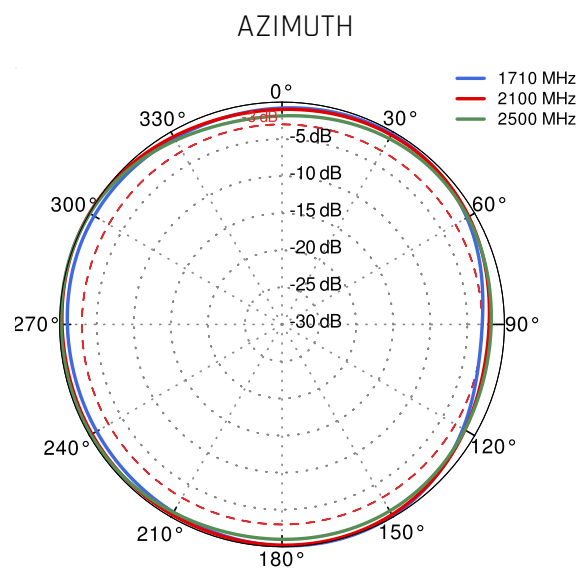
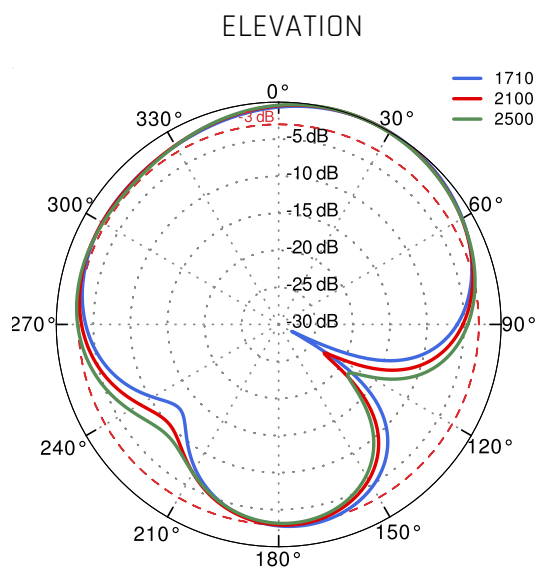
Gain



From 650MHz to 950MHz

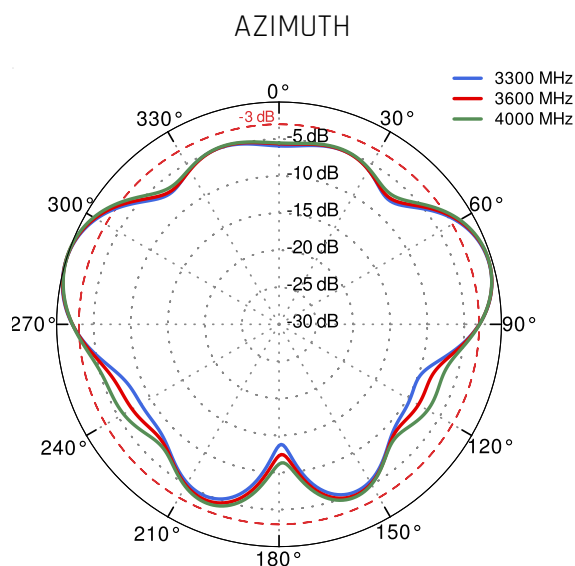
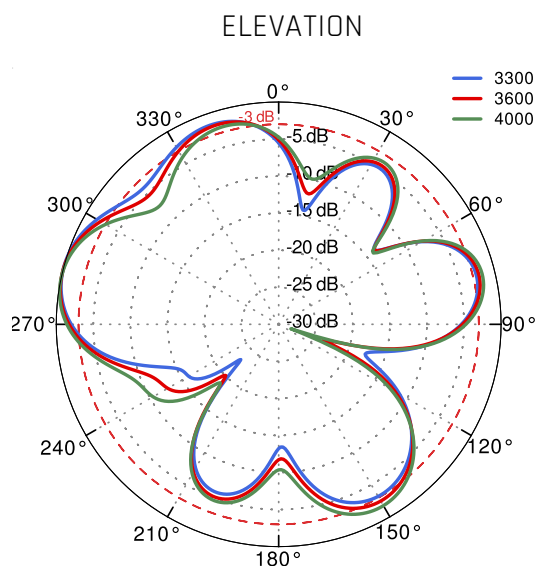


From 1.71GHz to 2.5GHz

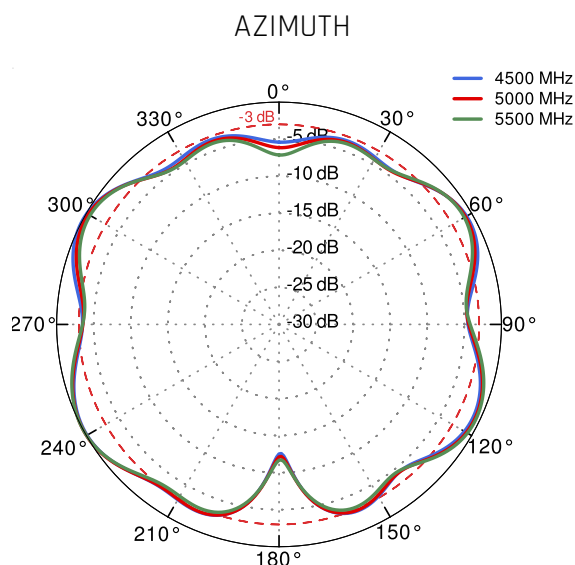
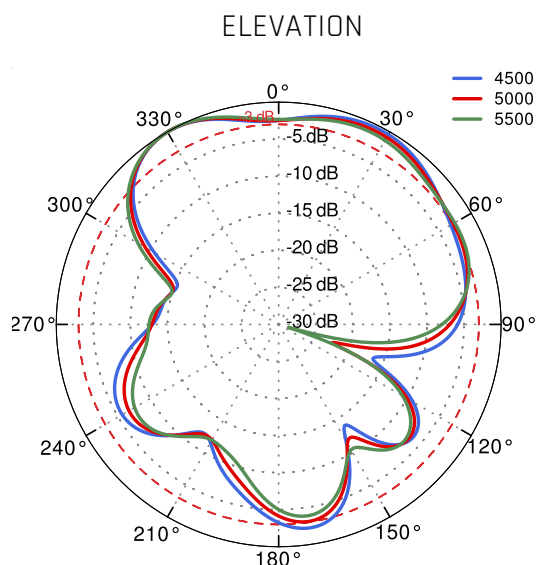




From 3.3GHz to 4.0GHz



From 4.6GHz to 5.5GHz



## DIMENSIONS

