

QuPanel LTE HP MIMO 4x4 Nf

Directional High Power multiband LTE MIMO 4x4 antenna

QuPanel LTE directional MIMO 4x4 high gain antenna is specifically designed to support 4G and LTE in high categories, ranging from Cat 5 up to Cat 19. This antenna is highly effective at enhancing signal quality in rural and suburban areas, as well as in places with weak mobile signal coverage.

It is intended for outdoor installation on a pole or affixed to a wall.

Thanks to its exceptionally wide operating frequency range, this antenna serves as a versatile client for LTE bands such as LTE700, LTE800, LTE1800, LTE1900, LTE2100, LTE2300, and LTE2600. Furthermore, it offers compatibility with all MIMO 4x4 LTE modems and routers operating in various categories, including Cat 5, Cat 6, Cat 7, Cat 9, Cat 10, Cat 11, Cat 12, Cat 13, Cat 15, Cat 16, Cat 18, Cat 19, and Cat 20.



OUTDOOR ANTENNA WORKS IN ANY WEATHER CONDITIONS, IP67



MOUNTING SYSTEM WITH TWO PLANES, 60 DEGREES REGULATION



FOUR NF CONNECTORS



7 DBI GAIN



70° BEAMWIDTH



MADE IN EUROPE



LTE ANTENNA SPECIFICATION

FREQUENCY	694 - 960 MHz 1.7 - 2.2 GHz 2.2 - 2.7 GHz
GAIN	694 - 960 MHz : 7 dBi 1.7 - 2.2 GHz : 7 dBi 2.2 - 2.7 GHz : 7 dBi
SUPPORTED LTE/5G BANDS	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14, 17, 18, 19, 20, 23, 25, 26, 27, 28, 29, 30, 33, 34, 35, 36, 37, 38, 39, 40, 41, 44, 53, 59, 62, 65, 66, 67, 68, 69, 85, n80, n81, n82, n83, n84, n86, n89, n90, n95
VSWR	<1.70, max <2.00
BEAMWIDTH	70° /70° ±15°
POLARIZATION	Dual polarized X-Pol
IMPEDANCE	50 Ω
FRONT-TO-BACK	>10 dB

MECHANICAL SPECIFICATION

MATERIALS	ABS, aluminum, PTFE, Fiberglass
CONNECTOR TYPE	4x Nf
INGRESS PROTECTION	IP67
DIMENSIONS	392 x 392 x 99 mm 15.43 x 15.43 x 3.90 inch
WEIGHT	3.7 kg 8.16 lbs
OPERATING TEMPERATURE	From -40°C to 80°C From -40°F to 176°F
MAST DIAMETER	25-66mm 0.98-2.60 inch

FREQUENCY BANDS

LTE / 4G GSM	5	6	8	12	13	14	17	617 MHz	960 MHz
	18	19	20	26	27	28	29		
	44	67	68	85	n81	n82	n83		
	n89								
LTE / 4G UMTS	1	2	3	4	9	10	25	1710 MHz	2170 MHz
	33	34	35	36	37	39	59		
	62	n80	n84	n86	n95				

LTE / 4G WCS DARS

 2300
MHz

30

40

 2400
MHz

LTE / 4G

 2400
MHz

7

38

41

53

69

n90

 2700
MHz

COMPATIBLE ROUTERS

VARIANT: APLM4-HN

TELTONIKA

RUTC42, RUTX12, RUTX14

ROBUSTEL

EG5200, R2000

CISCO

CG418-E, MG41E

COMSET

CM770W-6

DIGI

TX54 LTE-Advanced

ERICSSON (CRADLEPOINT)

IBR1700

FIBOCOM

NL952-EAU, NL952-NA

FORTINET

FEX-311F, FEX-311F

PEPLINK

BR1 Pro (CAT-20), BR1 Pro CAT-20, MAX HD2, MAX HD2 Mini, MAX Transit, UBR Plus

QUECTEL

LTE-A EM160R-GL

ROBUSTEL

EG5200, R2000

TELIT CINTERION

LM960A18 Series

TELTONIKA

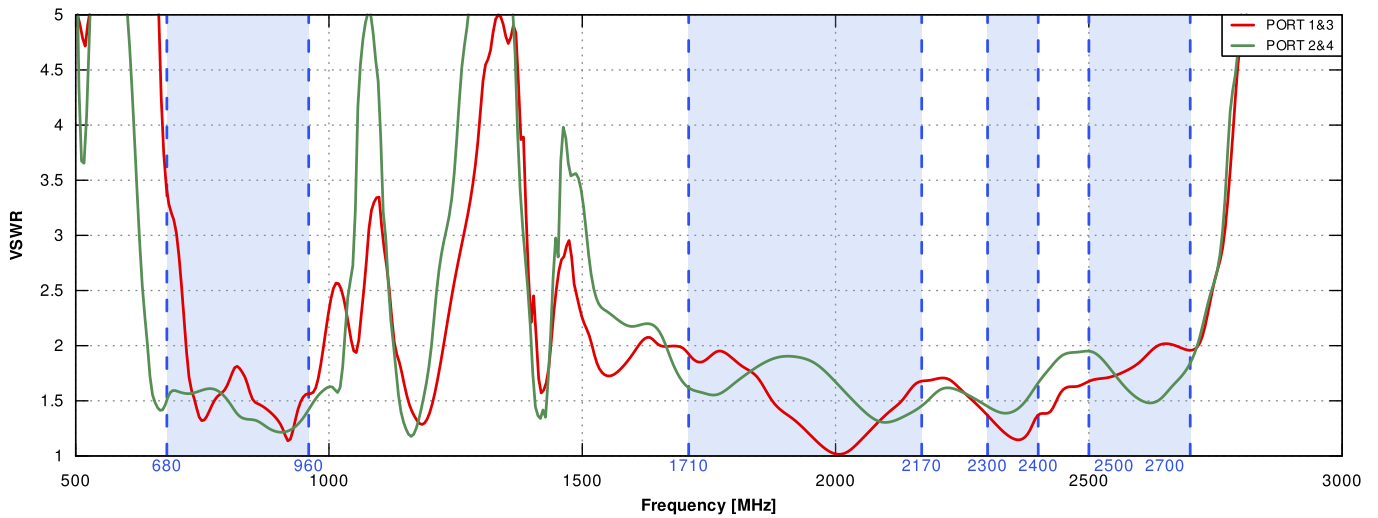
RUTC42, RUTX12, RUTX14

OTHER

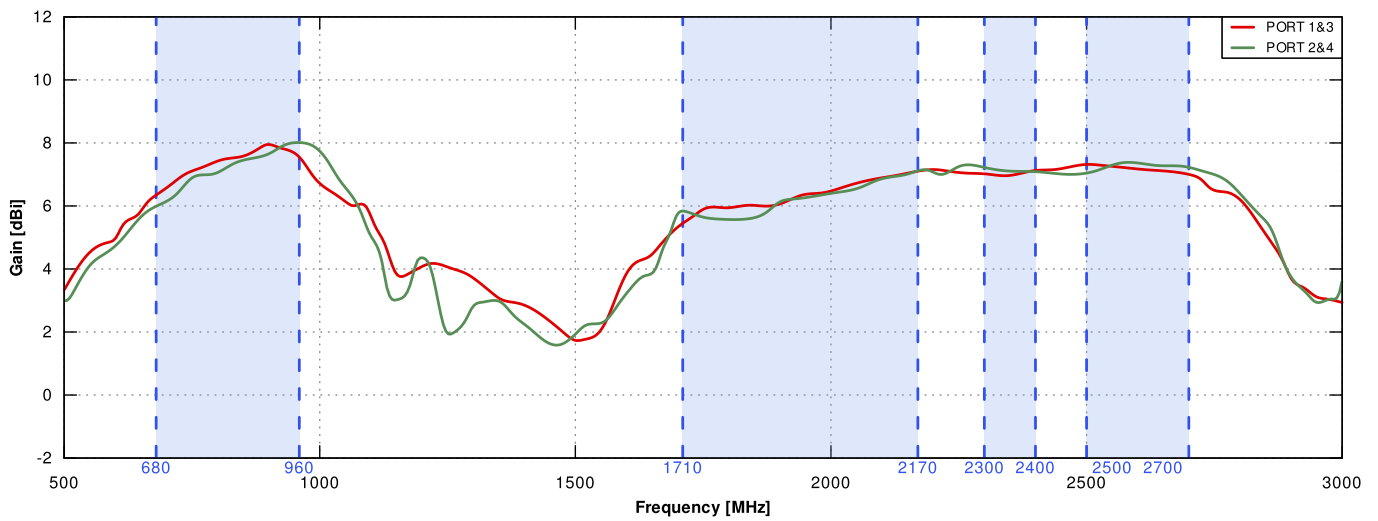
4 * SMA

PLOTS

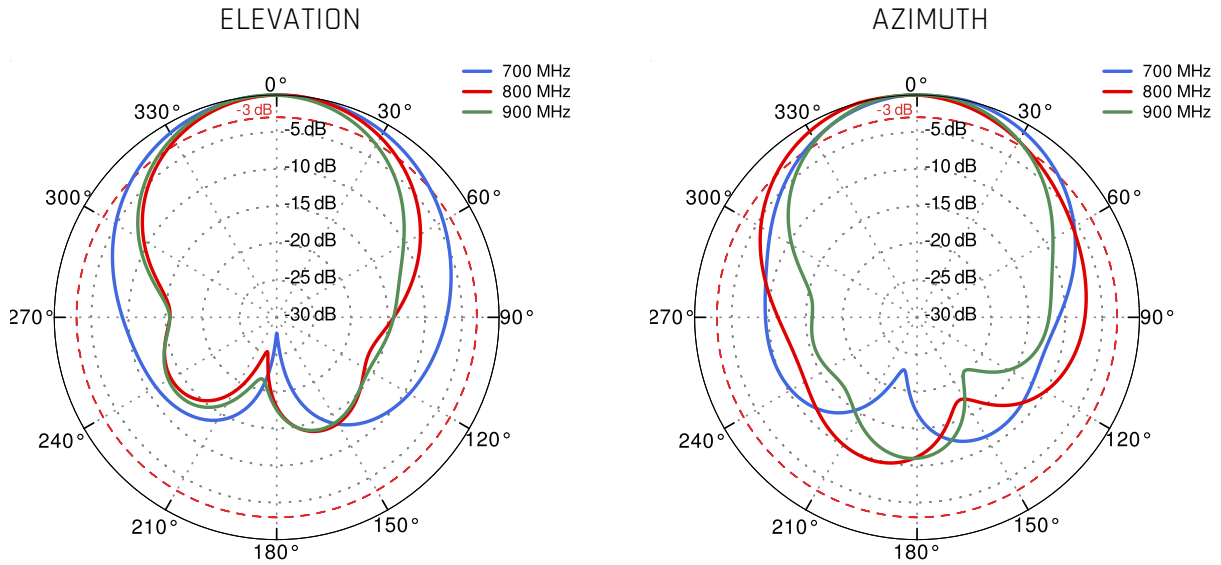
VSWR



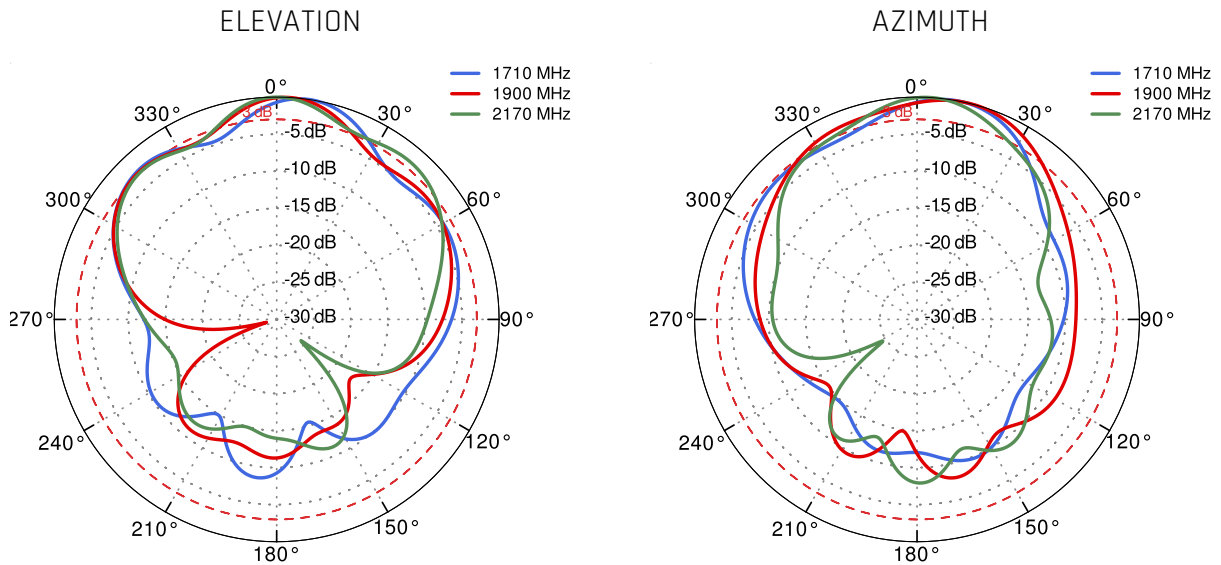
Gain



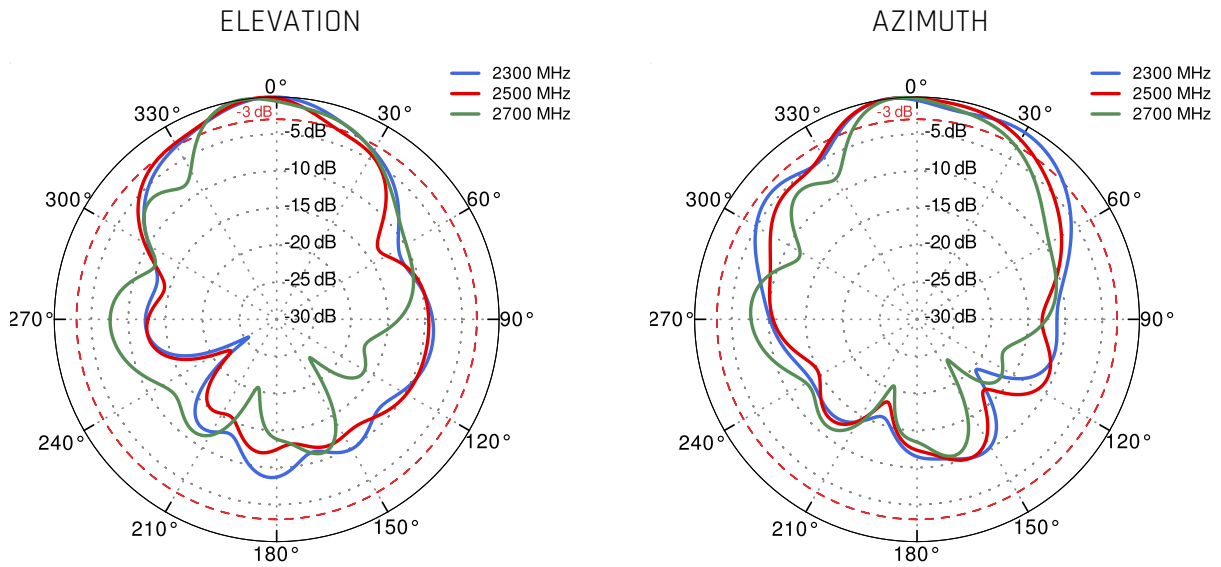
Port 1&3 700MHz to 900MHz



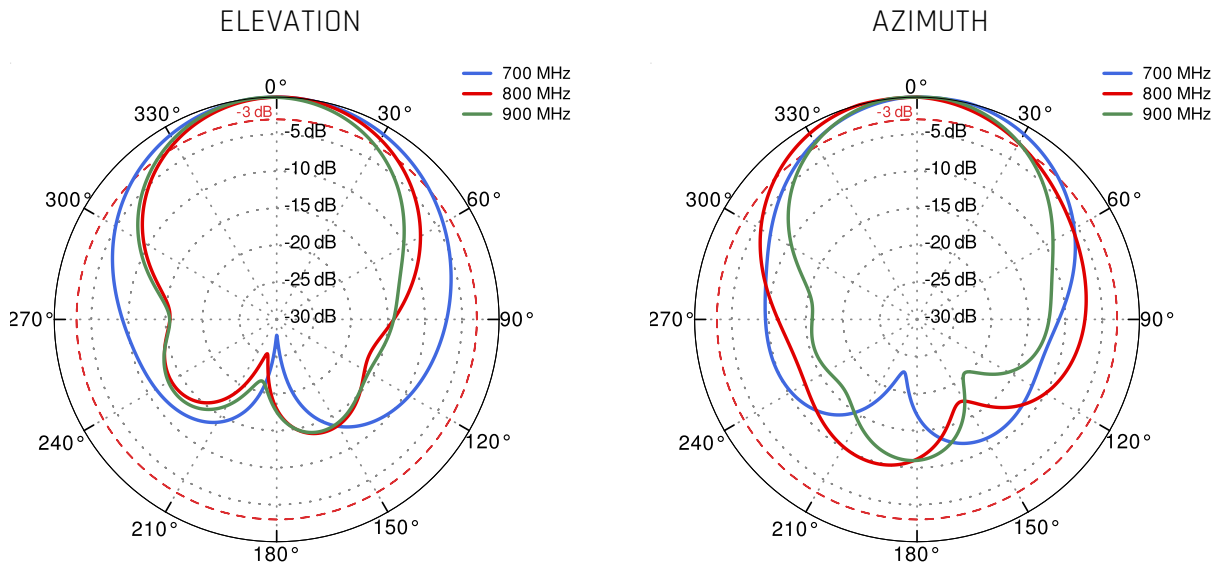
Port 1&3 1.71GHz to 2.17GHz



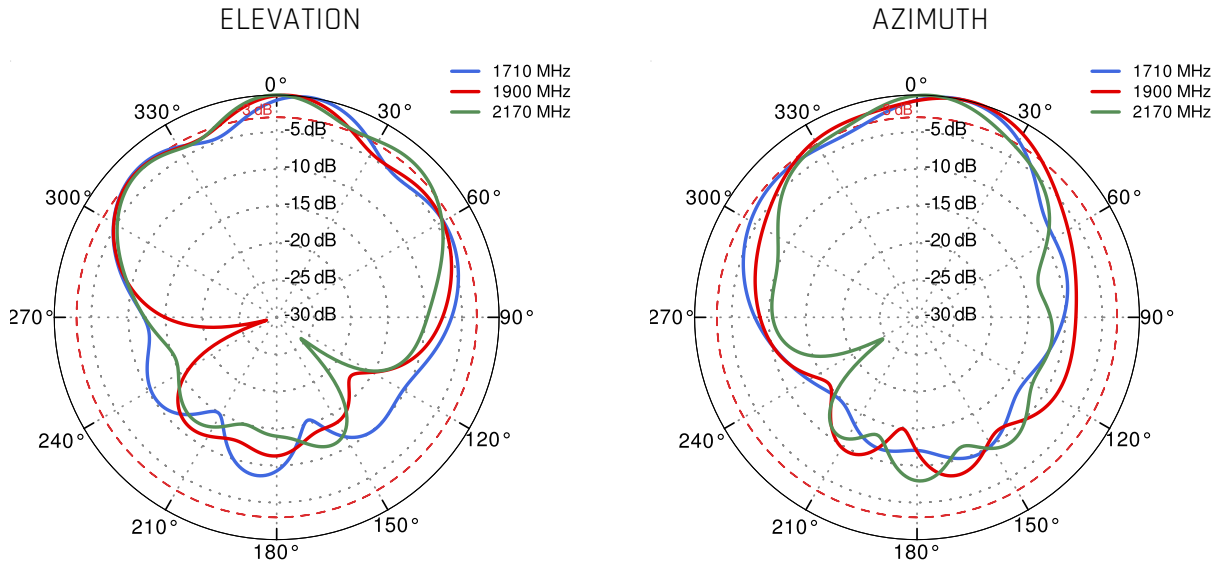
Port 1&3 2.3GHz to 2.7GHz



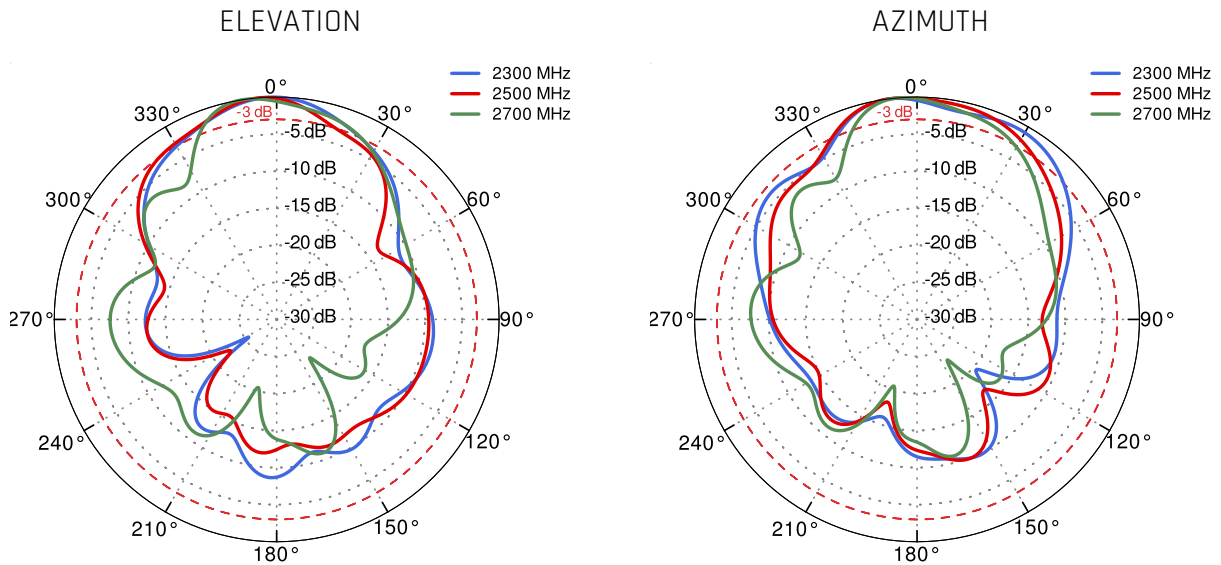
Port 2&4 700MHz to 900MHz



Port 2&4 1.71GHz to 2.17GHz



Port 2&4 2.3GHz to 2.7GHz



DIMENSIONS

