QuPanel LTE HP MIMO 4x4

Directional High Power multiband LTE MIMO 4x4 antenna

QuPanel LTE directional MIMO 4x4 high gain antenna is predicted for 4G LTE high categories from cat 5 up to cat 19. The antenna improves the signal in rural/suburban and locations where the mobile signal is weak. That antenna is predicted to be installed on the buildings (on the pole or on the wall). Due to very wide working frequency range, the antenna is universal client for LTE bands like LTE700/800/1800/1900/2100/2300/2600. It's compatible with all MIMO 4x4 LTE modems and routers working in categories: cat 5, cat 6, cat 7, cat 9, cat 10, cat 11, cat 12, cat 13, cat 15, cat 16, cat 18, cat 19, cat 20.

4G LTE | 4x4 MIMO | 694-2700MHz | 7 dBi | DIRECTIONAL | IP 67 | -40° TO +80°



LTE ANTENNA SPECIFICATION

FREQUENCY	694 - 960 MHz 1.7 - 2.2 GHz 2.2 - 2.7 GHz
GAIN	694 - 960 MHz : 8 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

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MECHANICAL SPECIFICATION

MATERIALS	ASA, aluminum, PTFE, Fiberglass
CONNECTOR TYPE	4x SMA plug
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
CABLE LENGTH	5m (P/N: APLM4-H) or 10m (P/N: APLM4-H1)
CABLE TYPE	LMR195 white
MAST DIAMETER	25-66mm 0.98-2.60 inch

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FREQUENCY BANDS

LTE / 4G GSM	617 MHz	5	6	8	12	13	14	17	960 MHz
		18	19	20	26	27	28	29	
		44	67	68	85	n81	n82	n83	
		n89							
LTE / 4G UMTS	1710 MHz	1	2	3	4	9	10	25	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

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COMPATIBLE ROUTERS

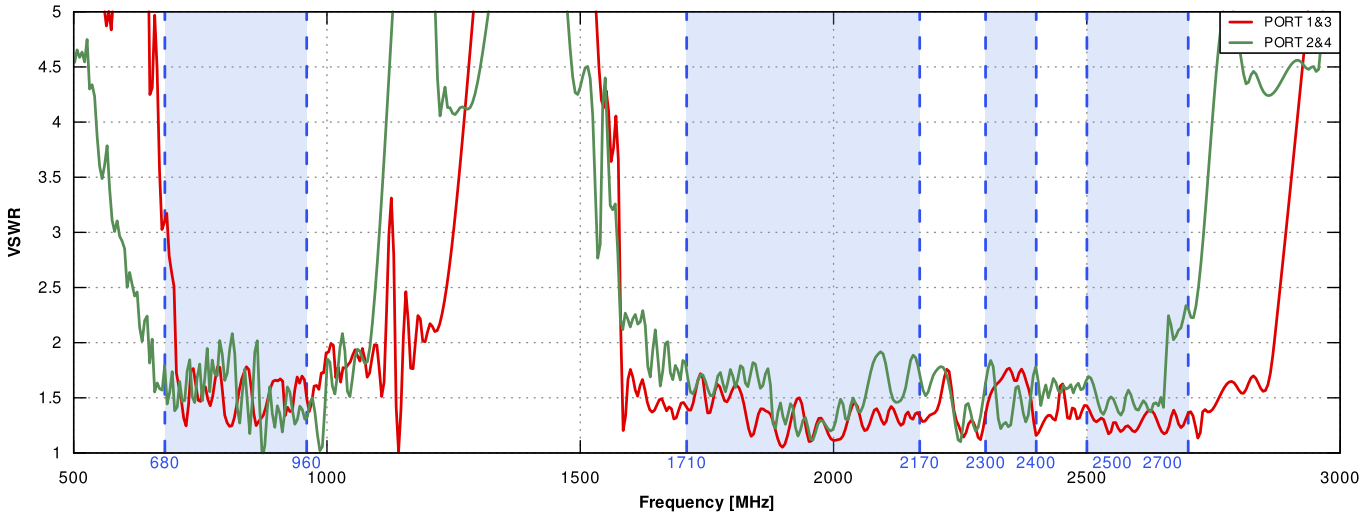
VARIANTS: APLM4-H, APLM4-H1

TELTONIKA	RUTC42, RUTX12, RUTX14
ROBUSTEL	EG5200, R2000
CISCO	CG418-E
COMSET	CM770W-6
DIGI	TX54 LTE-Advanced
ERICSSON (CRADLEPOINT)	IBR1700
FORTINET	FEX-311F, FEX-311F
PEPLINK	BR1 Pro (CAT-20), BR1 Pro CAT-20, MAX HD2, MAX HD2 Mini, MAX Transit, UBR Plus
ROBUSTEL	EG5200, R2000
TELTONIKA	RUTC42, RUTX12, RUTX14
OTHER	4 * SMA

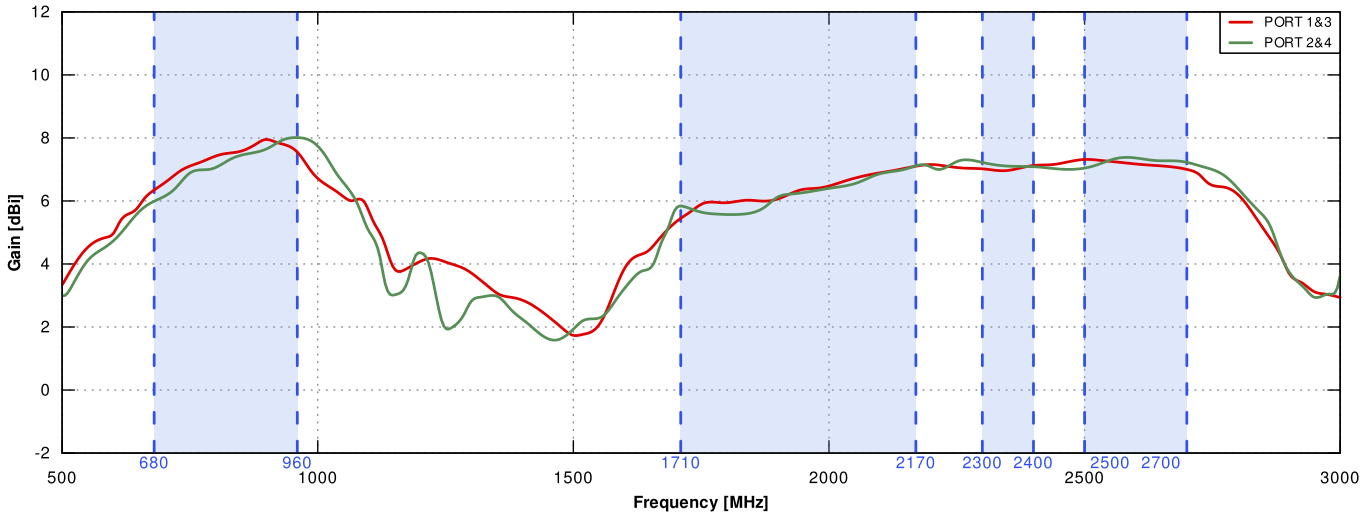
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PLOTS

VSWR



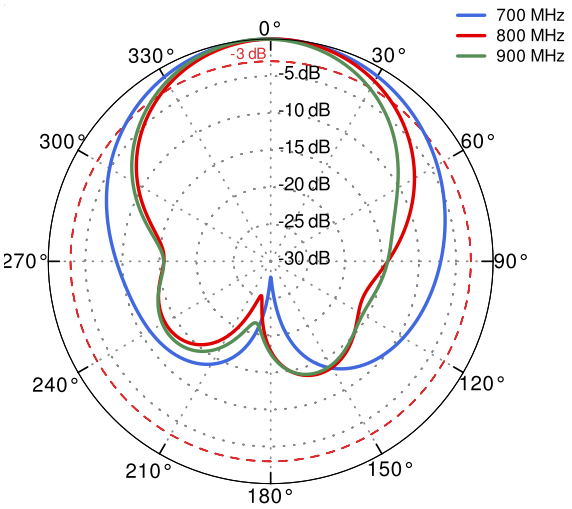
Gain



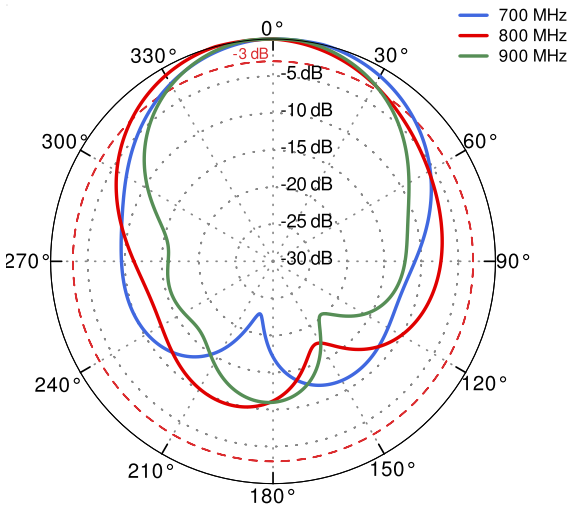
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Port 1&3 700MHz to 900MHz

ELEVATION

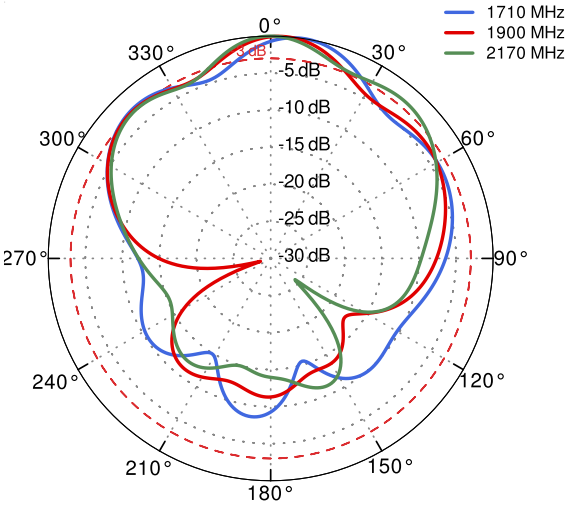


AZIMUTH

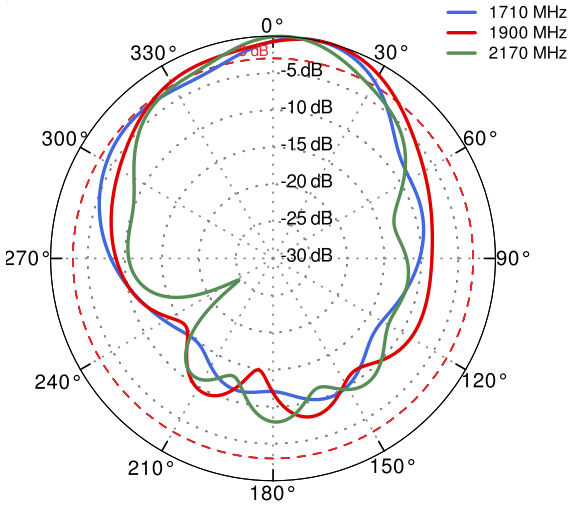


Port 1&3 1.71GHz to 2.17GHz

ELEVATION



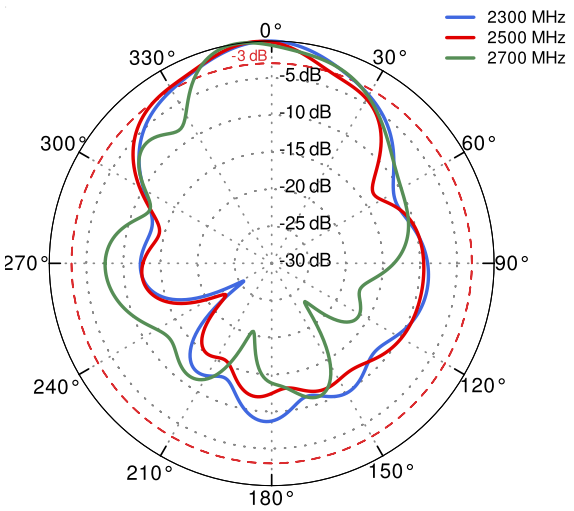
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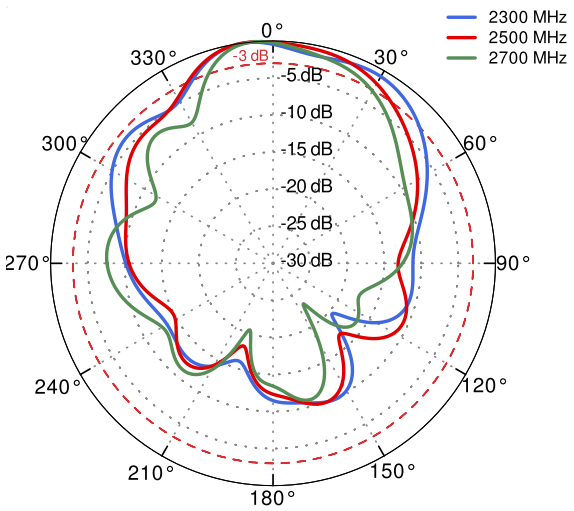
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Port 1&3 2.3GHz to 2.7GHz

ELEVATION

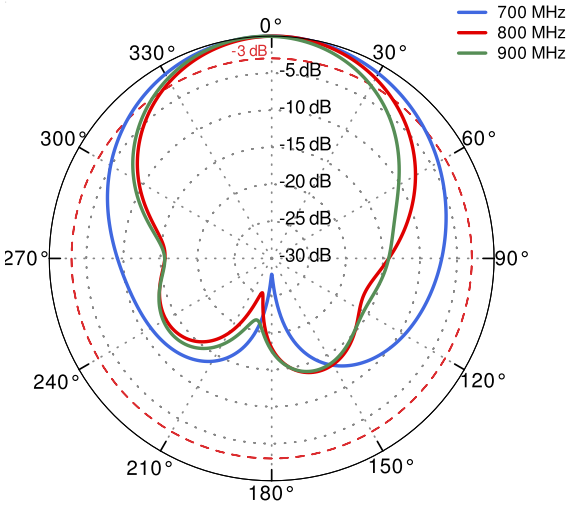


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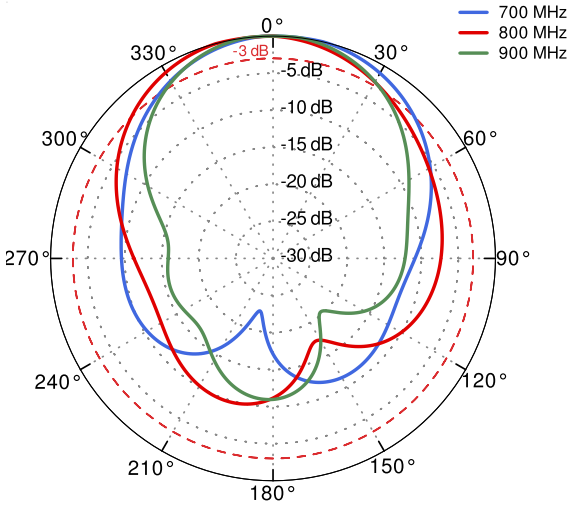


Port 2&4 700MHz to 900MHz

ELEVATION



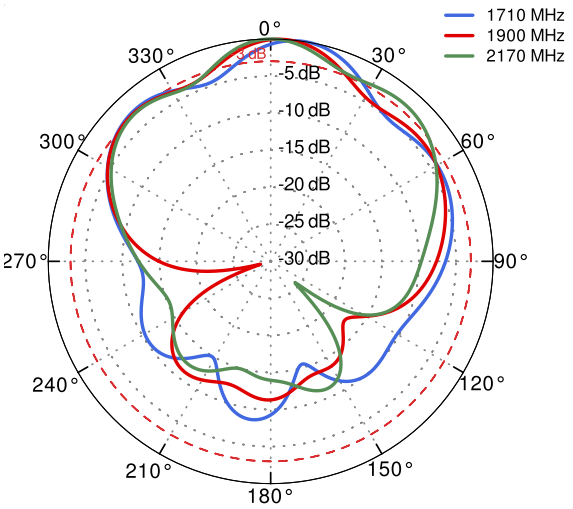
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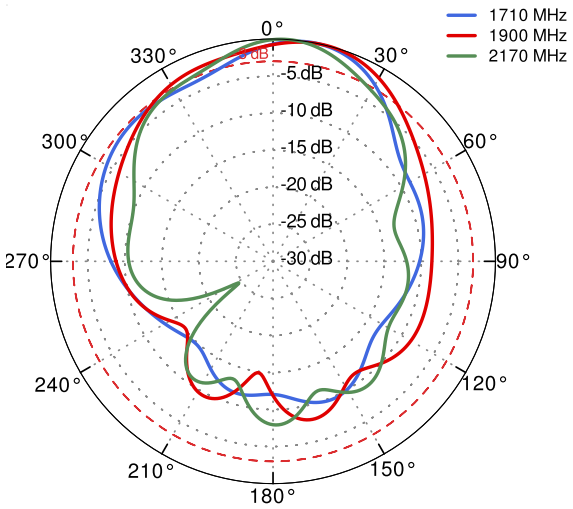
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Port 2&4 1.71GHz to 2.17GHz

ELEVATION

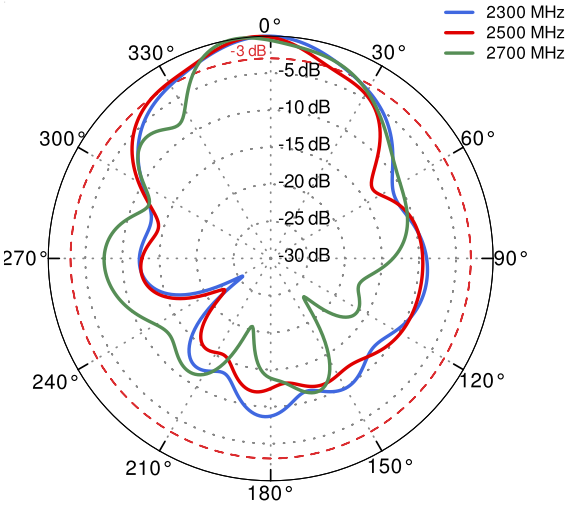


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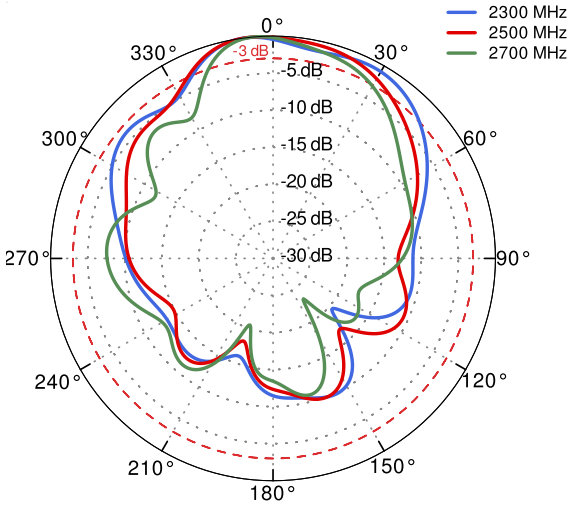


Port 2&4 2.3GHz to 2.7GHz

ELEVATION



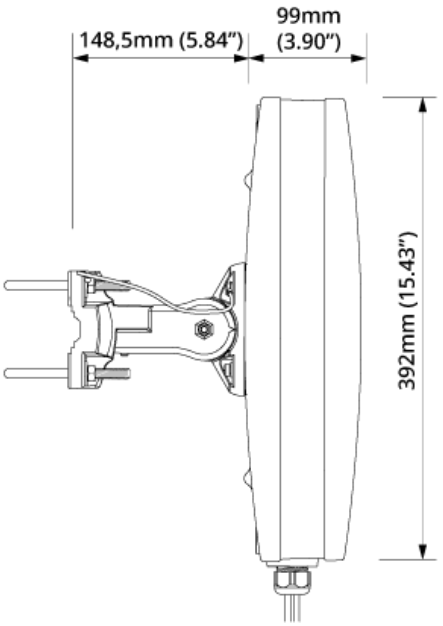
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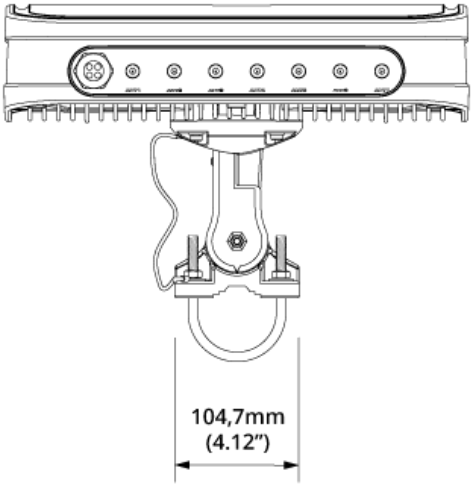


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DIMENSIONS







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