QuPanel LTE HP MIMO 2x2

Directional High Power multiband LTE MIMO 2x2 antenna

QuPanel LTE HP directional MIMO 2x2 high gain antenna is predicted for 4G LTE mainly, but is compatible with 3G and 2G as well. 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 Teltonika: RUT240, RUT900, RUT950, RUT955, RUTX09, RUTX11 and other MIMO 2x2 LTE/3G/2G modems and routers.

4G LTE | 2x2 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
SUPPORTED LTE/5G BANDS	1, 2, 3, 4, 5, 7, 8, 9, 10, 12, 13, 14, 17, 18, 19, 20, 25, 26, 27, 28, 29, 30, 33, 34, 35, 36, 37, 38, 39, 40, 41, 44, 53, 65, 66, 67, 68, 69, 85, 103, n80, n81, n82, n83, n84, n86, n89, n90, n95, n97, n98, n100, n101, n256
GAIN	694 - 960 MHz : 7 dBi 1.7 - 2.2 GHz : 7 dBi 2.2 - 2.7 GHz : 7 dBi
FRONT-TO-BACK	>10 dB
VSWR	<1.70, max <2.00
BEAMWIDTH	70°/70° ±15°
POLARIZATION	Dual polarized X-Pol
IMPEDANCE	50 Ω

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MECHANICAL SPECIFICATION

MATERIALS	ASA, aluminum, PTFE, Fiberglass
INGRESS PROTECTION	IP67
DIMENSIONS	272 x 276 x 96 mm 10.71 x 10.87 x 3.78 inch
WEIGHT	1.8 kg 3.97 lbs
OPERATING TEMPERATURE	From -40°C to 80°C From -40°F to 176°F
CABLE LENGTH	5m (P/N: APLM2-H) or 10m (P/N: APLM2-H1) or Nf connector (P/N: APLM2-HN)
CABLE TYPE	LMR195 white
CONNECTOR TYPE	2x SMA
MAST DIAMETER	25-66mm 0.98-2.60 inch

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FREQUENCY BANDS

LTE / 4G GSM	617 MHz	5	8	12	13	14	17	18	960 MHz
		19	20	26	27	28	29	44	
		67	68	85	103	n81	n82	n83	
		n89	n100						
LTE / 4G UMTS	1710 MHz	1	2	3	4	9	10	25	2170 MHz
		33	34	35	36	37	39	n80	
		n84	n86	n95	n98	n101			
LTE / 4G WCS DARS	2300 MHz	30	40	n97					2400 MHz
LTE / 4G	2400 MHz	7	38	41	53	69	n90		2700 MHz

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COMPATIBLE ROUTERS

VARIANTS: APLM2-H, APLM2-H1

TELTONIKA	RUT200, RUT202, RUT206, RUT230, RUT240, RUT241, RUT260, RUT261, RUT281, RUT286, RUT900, RUT901, RUT950, RUT951, RUT951 PoE+, RUT955, RUT956, RUT981, RUT986, RUTC40, RUTM09, RUTM11, RUTM16, RUTM56, RUTX09, RUTX11, TRB160
ROBUSTEL	EG3120e, EG5100, LG5100, R1500, R1510, R1511P, R1520 Global, R1520-4L (S), R1520-4L (V), R2010, R2011, R2110, R2120, R3000, R3000 Industrial, R3000 LG, R3000 Lite, R3000 Quad, R3010
ACKSYS	AirBox LTE, AirWan
ADVANTECH	ICR-2031
ANYBUS	Wireless Router WLAN
CISCO	Z4C
COMSET	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
D-LINK	DWR-960, G415 AX1500, G416 AX1500, N300 4G
DIGI	6310-DX, 6330-MX, EX12, EX15, IX10, IX15, IX20, IX30, WR31
ERICSSON (CRADLEPOINT)	CBA550, E100, E102, IBR200, IBR600C, IBR900, L950, R500, R920, S400, S700
FORTINET	FEX-101F, FEX-201F, FEX-211E, FEX-212F, FortiGate Rugged 60F-3G4G, FortiGate Rugged 70F-3G4G

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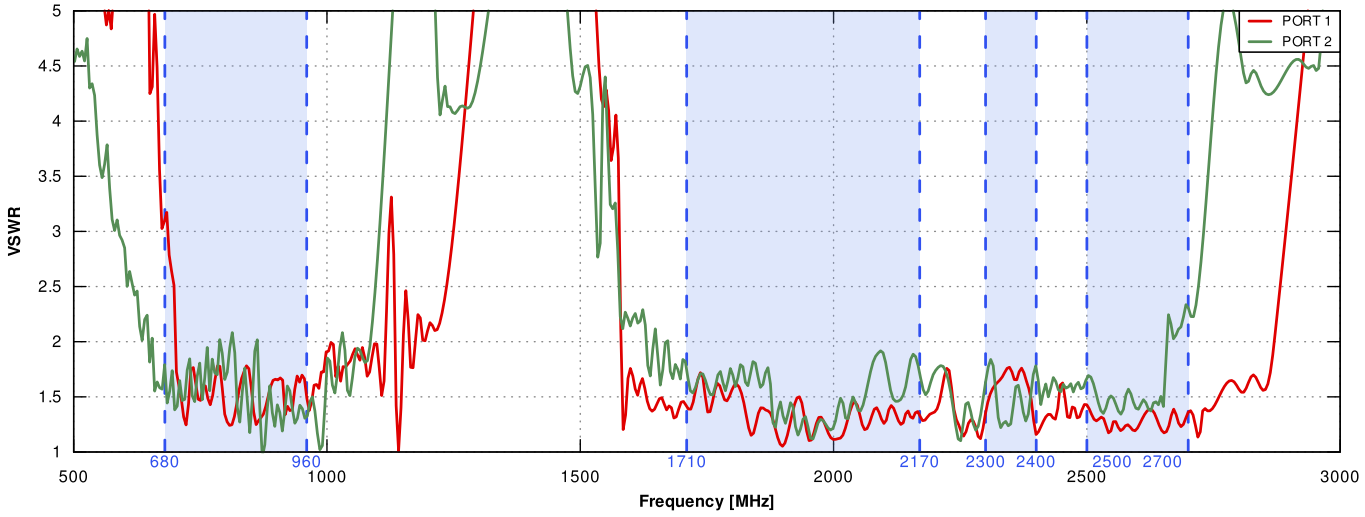
FOUR-FAITH	4G Cellular Router F-R100, 4G Industrial Computer F4931-R2H, 4G Industrial Computer F4932-R2H-DF1, Android Industrial Computer F4932-R1Q, Cellular Wireless Router F-R200, Dual Sim 4G Router F3X46, Dual-sim WiFi Router F3946, Industrial WiFi Router F3X36Q, LAN Port Router F3X26 V2, LTE Industrial Router F3X27 V2, LTE Wireless Router F3x36
INHAND	IR302
MIKROTIK	RB912, RB922, RBM11G, RBM33G
MILESIGHT	UR32
OPTION	CloudGate LTE WW CAT4
PEPLINK	Balance 20X, 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
PROROUTE	H685 4G Router, H685 LTE 4G CAT6 Router, H820 M2M 4G Router
ROBUSTEL	EG3120e, EG5100, LG5100, R1500, R1510, R1511P, R1520 Global, R1520-4L (S), R1520-4L (V), R2010, R2011, R2110, R2120, R3000, R3000 Industrial, R3000 LG, R3000 Lite, R3000 Quad, R3010
SEMTECH (SIERRA WIRELESS)	AirLink LX40, AirLink LX60, AirLink MP70, AirLink RV50X, AirLink RV55, AirLink RX55
SIEMENS	6GK5876-4AA00-2BA2, 6GK5876-4AA00-2DA2, 6GK5876-4AA10-2BA2
TELTONIKA	RUT200, RUT202, RUT206, RUT230, RUT240, RUT241, RUT260, RUT261, RUT281, RUT286, RUT900, RUT901, RUT950, RUT951, RUT951 PoE+, RUT955, RUT956, RUT981, RUT986, RUTC40, RUTM09, RUTM11, RUTM16, RUTM56, RUTX09, RUTX11, TRB160
WAVETEL	W2400 LTE , W3600 4G/LTE Dual WAN, W3604 Multi-WAN, W3608 Multi-WAN, W421, W4600, W4600-S2
WLINK	ER120, G200, G510, G520, R210, R220, R520

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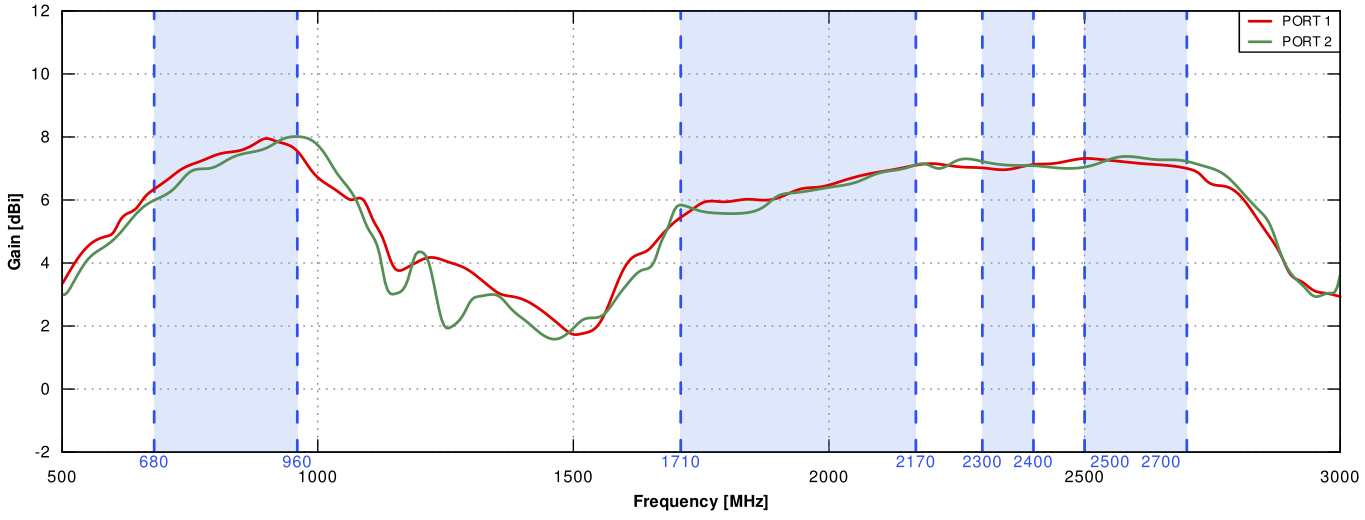
ZYXEL	LTE3202-M437, LTE3301-PLUS, LTE5388-M804, LTE5398-M904
OTHER	2 * SMA, 3 * SMA

PLOTS

VSWR



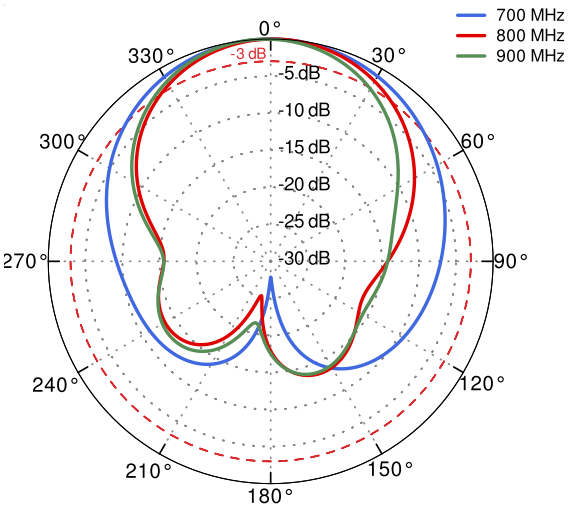
Gain



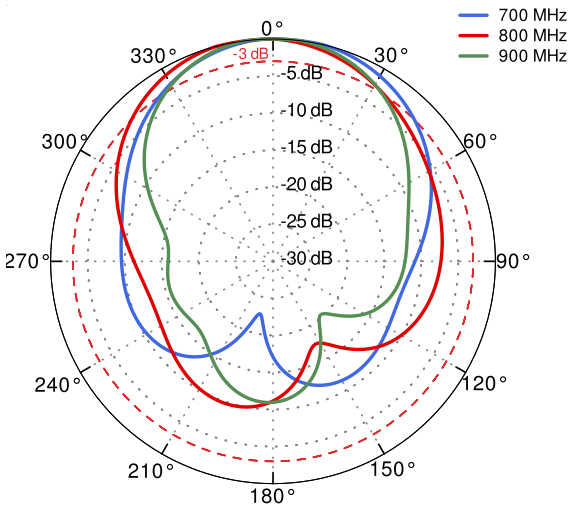
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Port 1 700MHz to 900MHz

ELEVATION

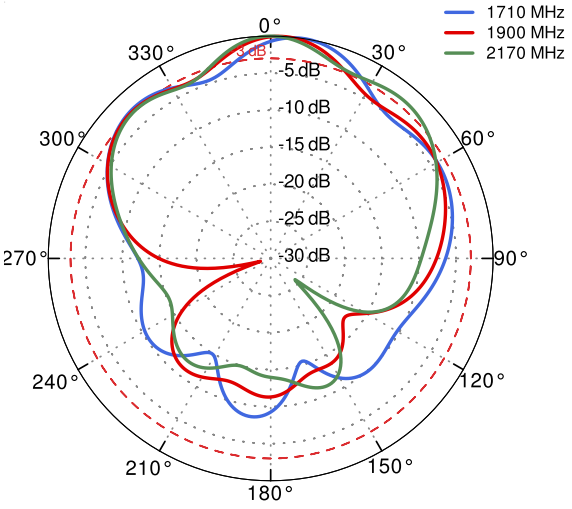


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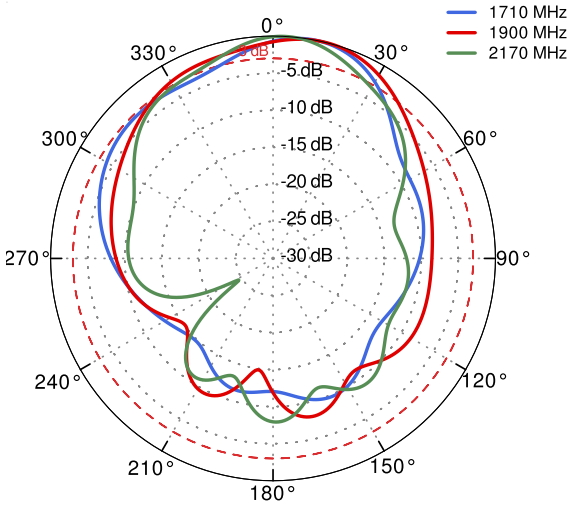


Port 1 1.71GHz to 2.17GHz

ELEVATION



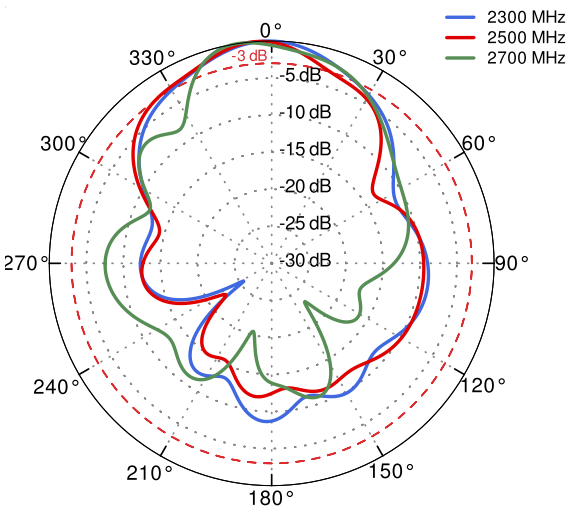
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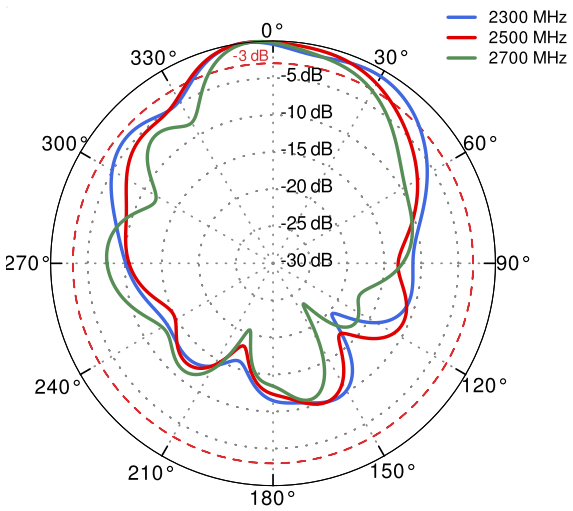
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Port 1 2.3GHz to 2.7GHz

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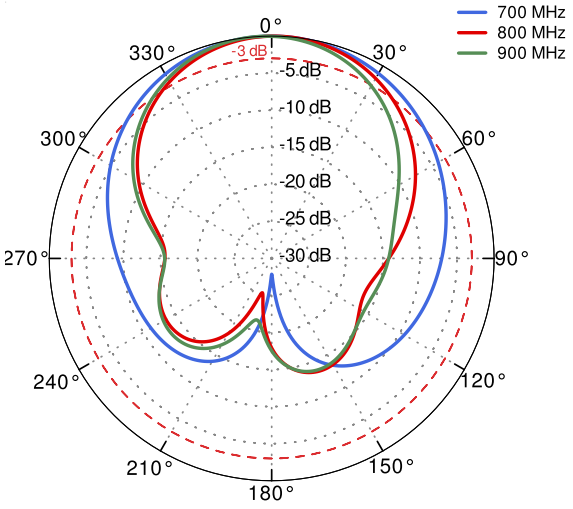


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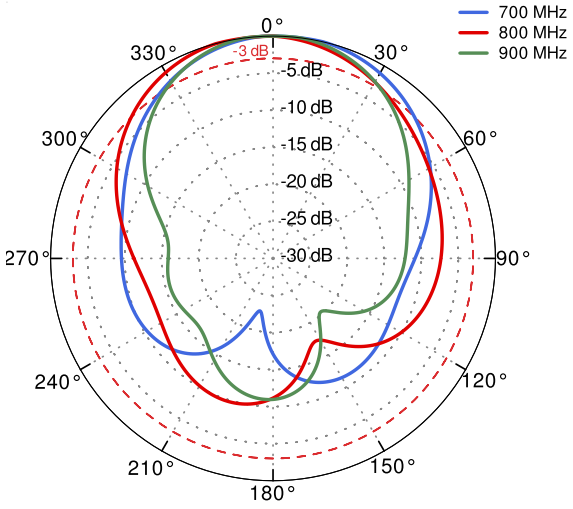


Port 2 700MHz to 900MHz

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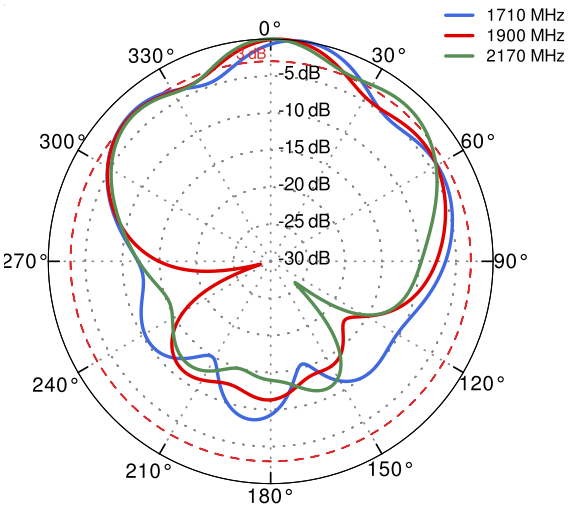
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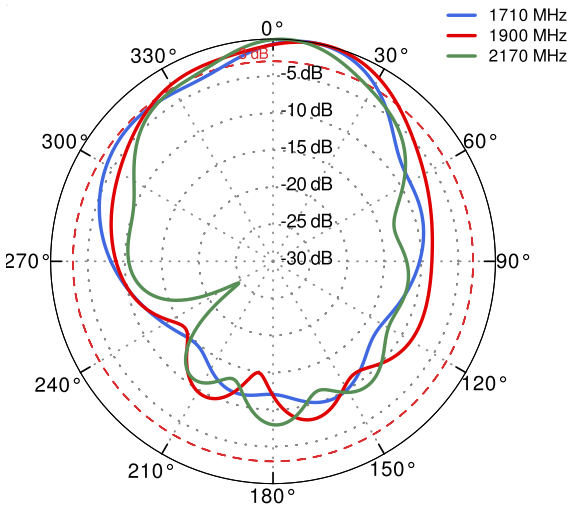
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Port 2 1.71GHz to 2.17GHz

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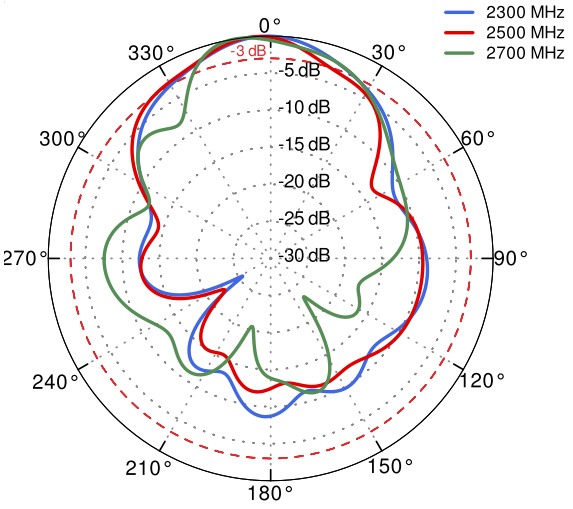


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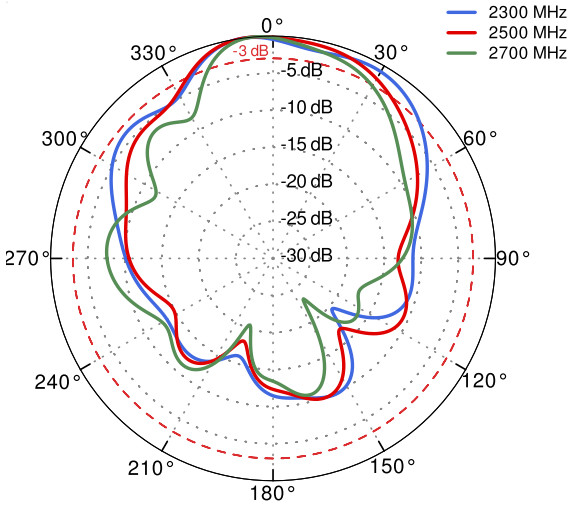


Port 2 2.3GHz to 2.7GHz

ELEVATION



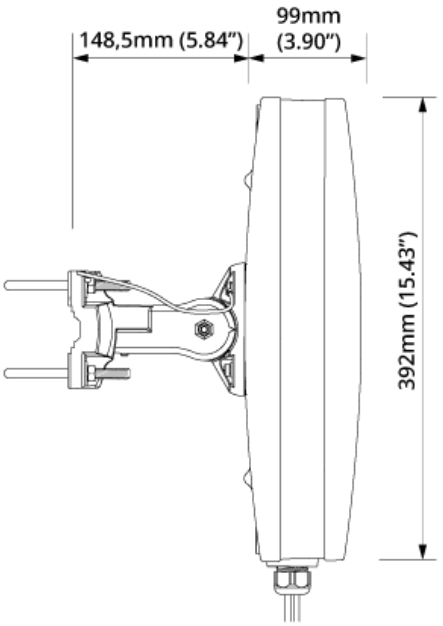
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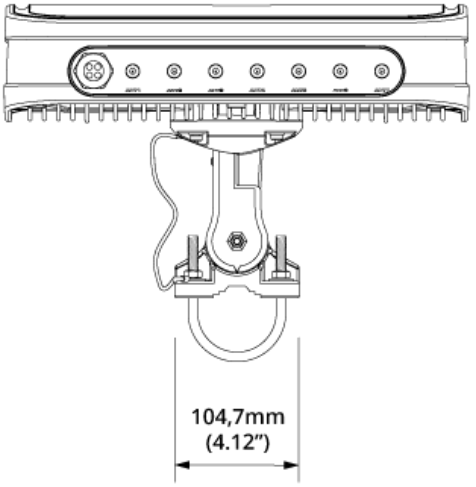


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DIMENSIONS







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