QuPanel 5G/LTE MIMO 4x4 Nf

Directional High Power multiband 5G/LTE MIMO 4x4 antenna

QuPanel 5G/LTE directional MIMO 4x4 high gain antenna is predicted for 5G and 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 5G bands n77, n78 and LTE bands like LTE700 / 800 / 1800 / 1900 / 2100 / 2300 / 2600 / 3400 / 3800. It's compatible with Teltonika and other MIMO 4x4 5G / LTE / 3G / 2G modems and routers.

5G | 4x4 MIMO | 694-3800MHz | 7 dBi | DIRECTIONAL | IP 67 | -40° TO +80°

5G/LTE ANTENNA SPECIFICATION

FREQUENCY	694 - 960 MHz 1.7 - 2.2 GHz 2.2 - 2.7 GHz 3.3 - 3.8 GHz
GAIN	694 - 960 MHz : 7 dBi 1.7 - 2.2 GHz : 7 dBi 2.2 - 2.7 GHz : 7.5 dBi 3.3 - 3.8 GHz : 5.5 dBi
SUPPORTED LTE/5G BANDS	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14, 17, 18, 19, 20, 22, 23, 25, 26, 27, 28, 29, 30, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 48, 49, 52, 53, 59, 62, 65, 66, 67, 68, 69, 85, n78, 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	694 - 960 MHz : >10 dB 1.7 - 2.2 GHz : >12 dB 2.2 - 2.7 GHz : >14 dB 3.3 - 3.8 GHz : >17 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

FREQUENCY BANDS

LTE / 4G GSM	614 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
LTE / 5G	3300 MHz	22	42	43	48	49	52	n78	3800 MHz

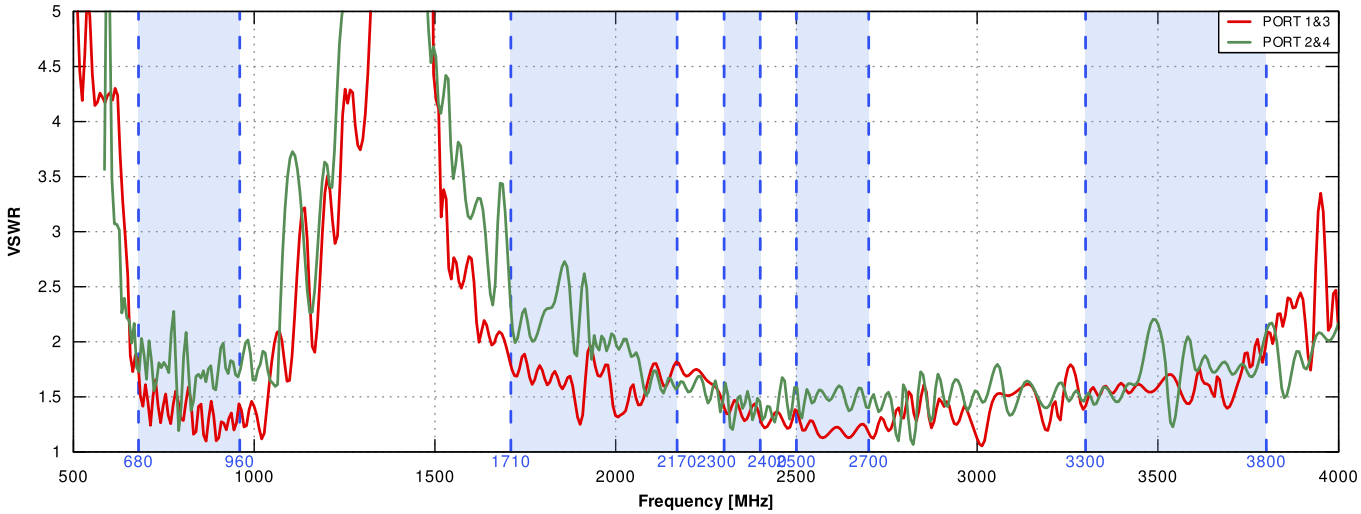
COMPATIBLE ROUTERS

VARIANT: AP5G4-N

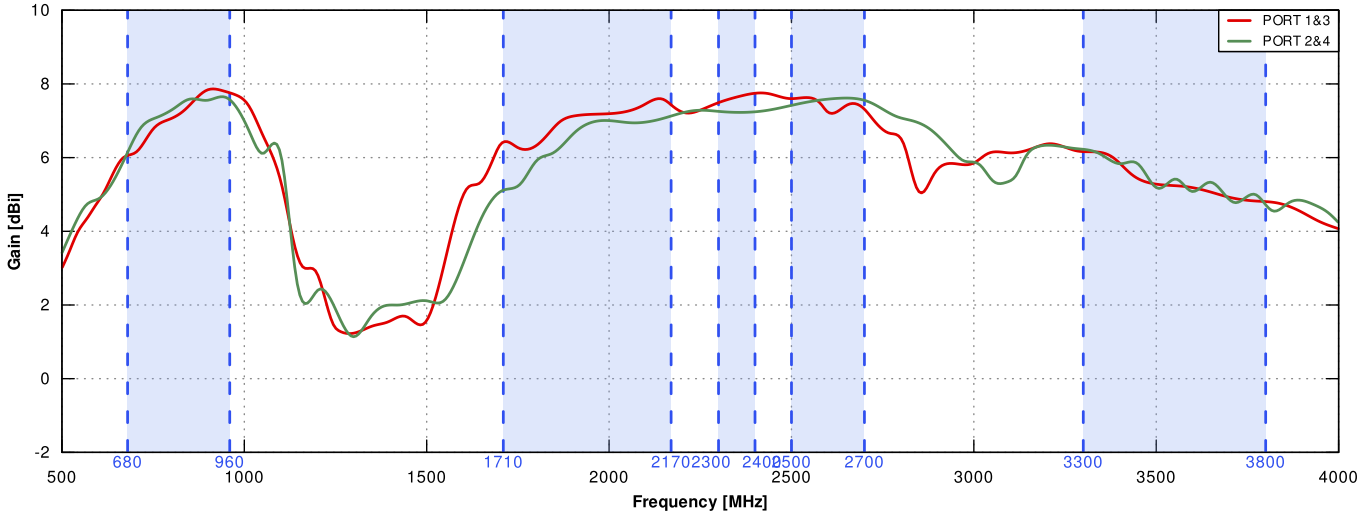
TELTONIKA	RUTX12, RUTX14, RUTX50, TRB500
DIGI	TX54 LTE-Advanced
ROBUSTEL	R2000
SIEMENS	6GK5853-2EA00-2DA1, 6GK5856-2EA00-3AA1, 6GK5856-2EA00-3DA1
COMSET	CM770W-6
CRADLEPOINT	IBR1700
FORTINET	FEX-311F
PEPLINK	BR1 Pro (CAT-20), MAX HD2, MAX HD2 Mini, MAX Transit, UBR Plus

PLOTS

VSWR

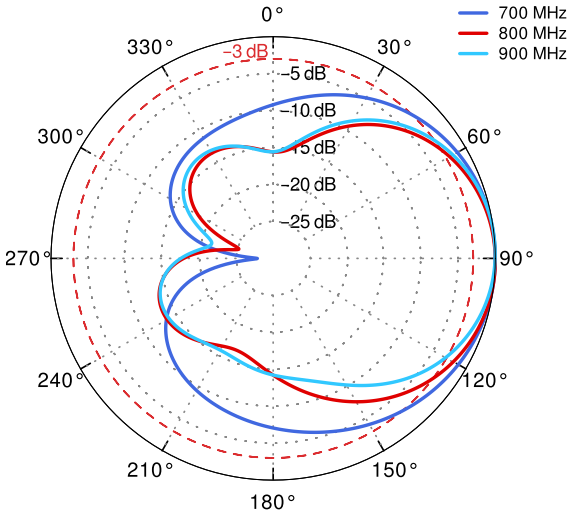


Gain

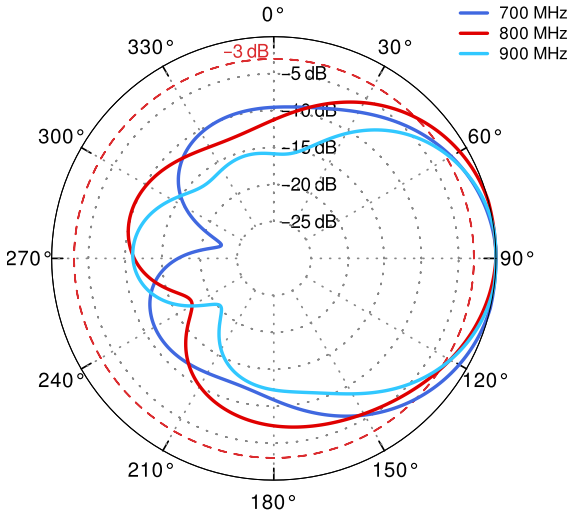


From 700MHz to 900MHz

PORT 1&3 ELEVATION

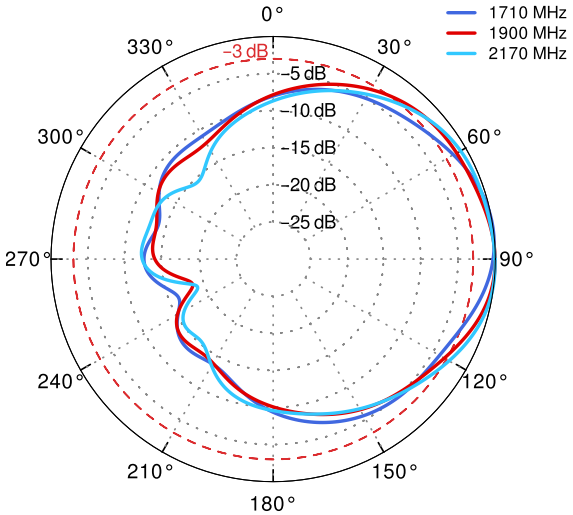


PORT 1&3 AZIMUTH

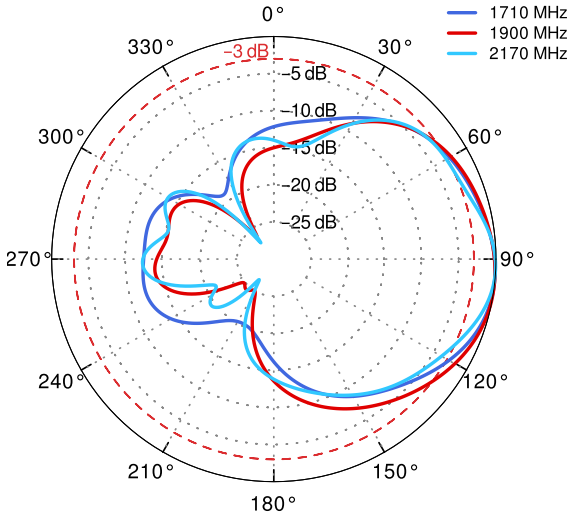


From 1.71GHz to 2.17GHz

PORT 1&3 ELEVATION ELEVATION



PORT 1&3 AZIMUTH



From 2.3GHz to 2.7GHz

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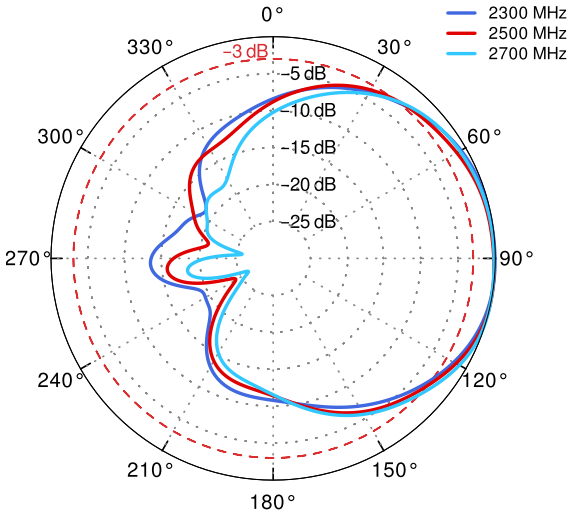

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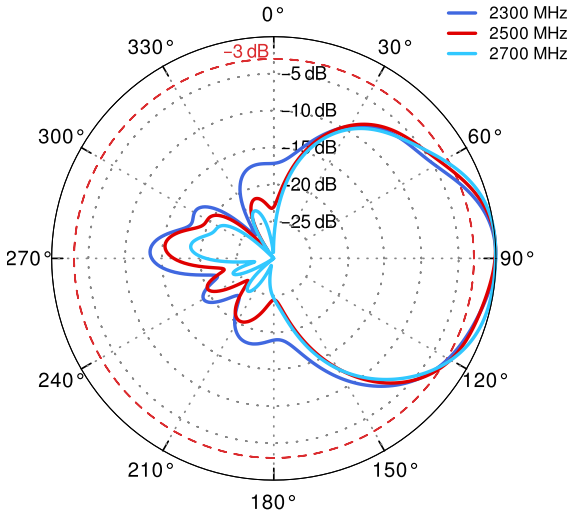
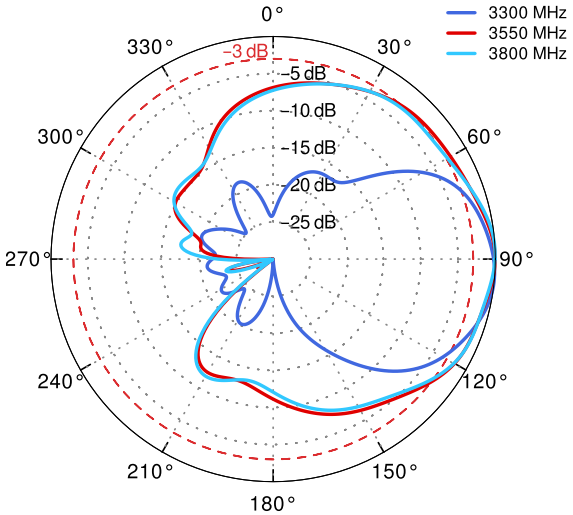


From 3.3GHz to 3.8GHz

PORT 1&3 ELEVATION



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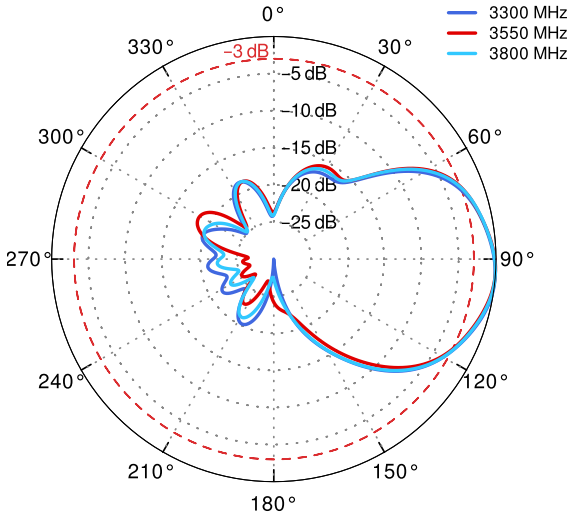
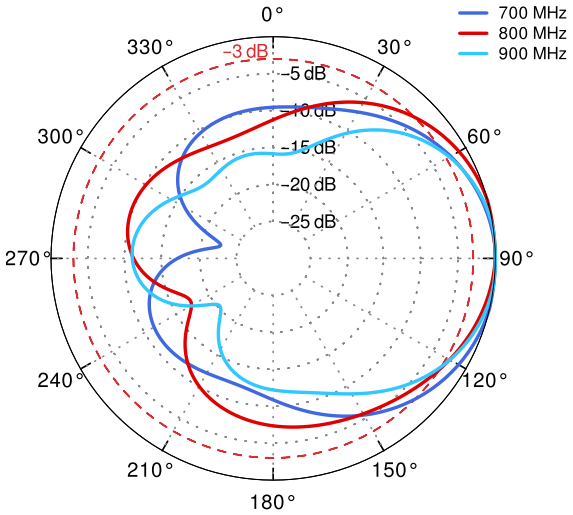


From 700MHz to 900MHz

PORT 2&4 ELEVATION



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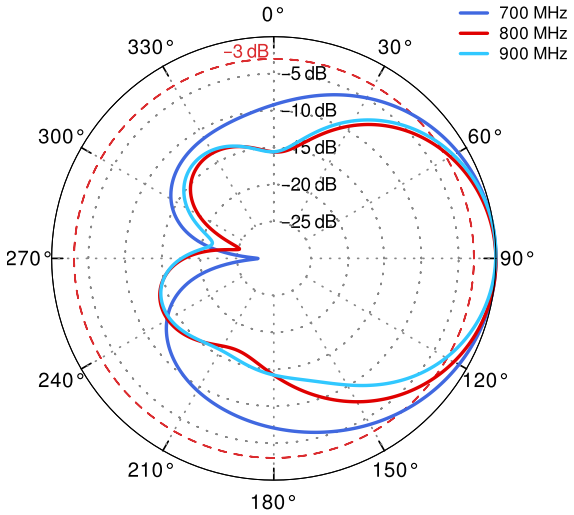

From 1.71GHz to 2.17GHz

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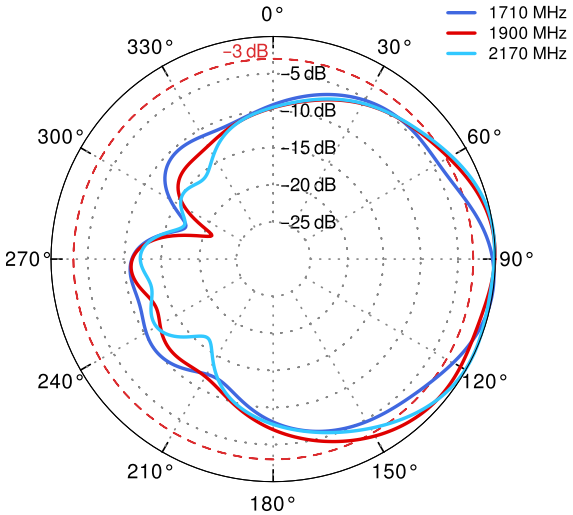

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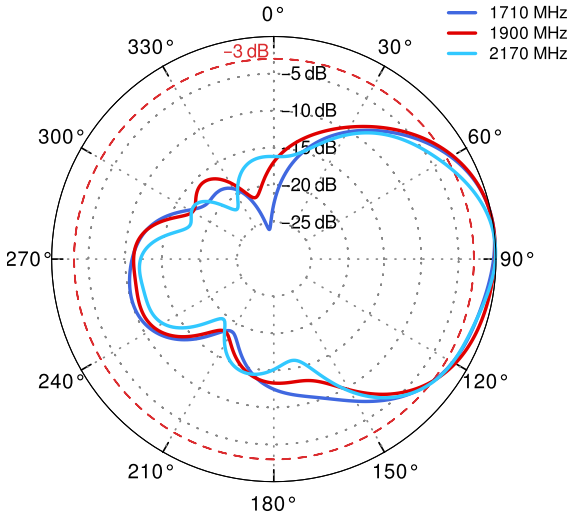

From 2.3GHz to 2.7GHz

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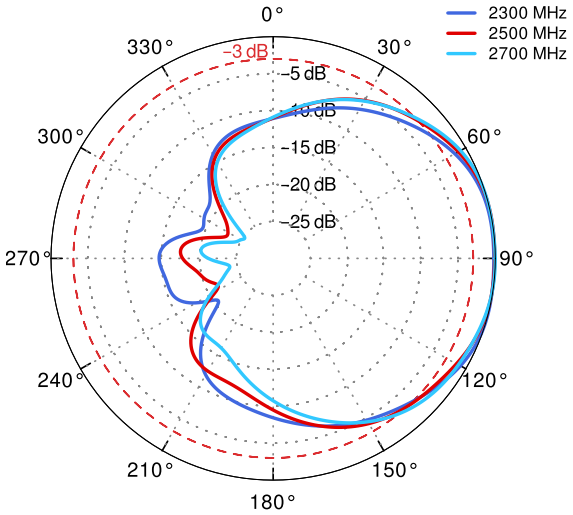

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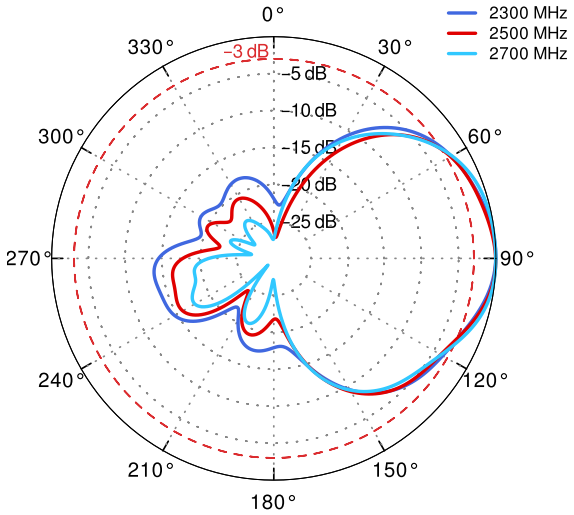

From 3.3GHz to 3.8GHz

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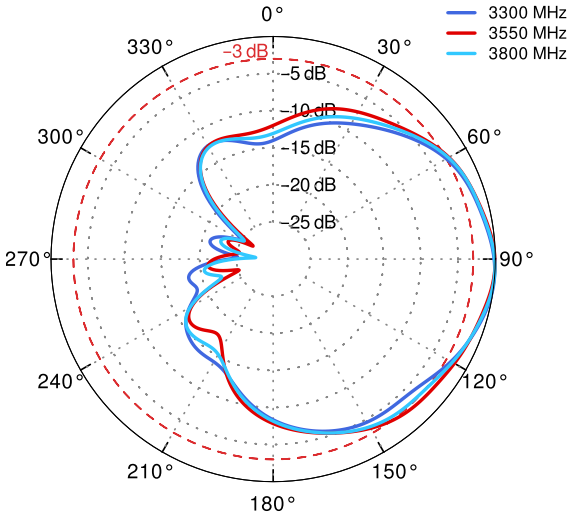

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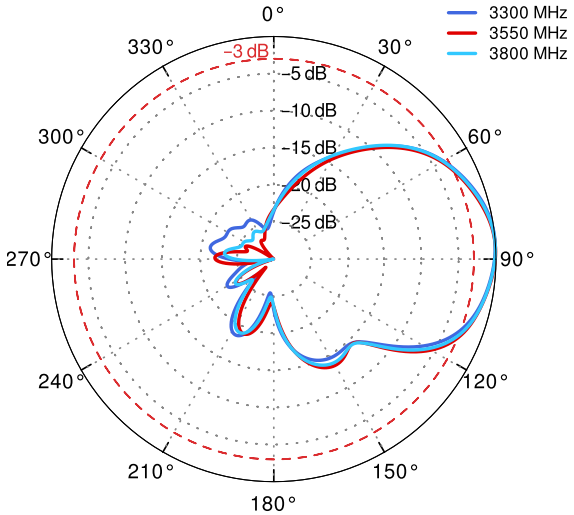
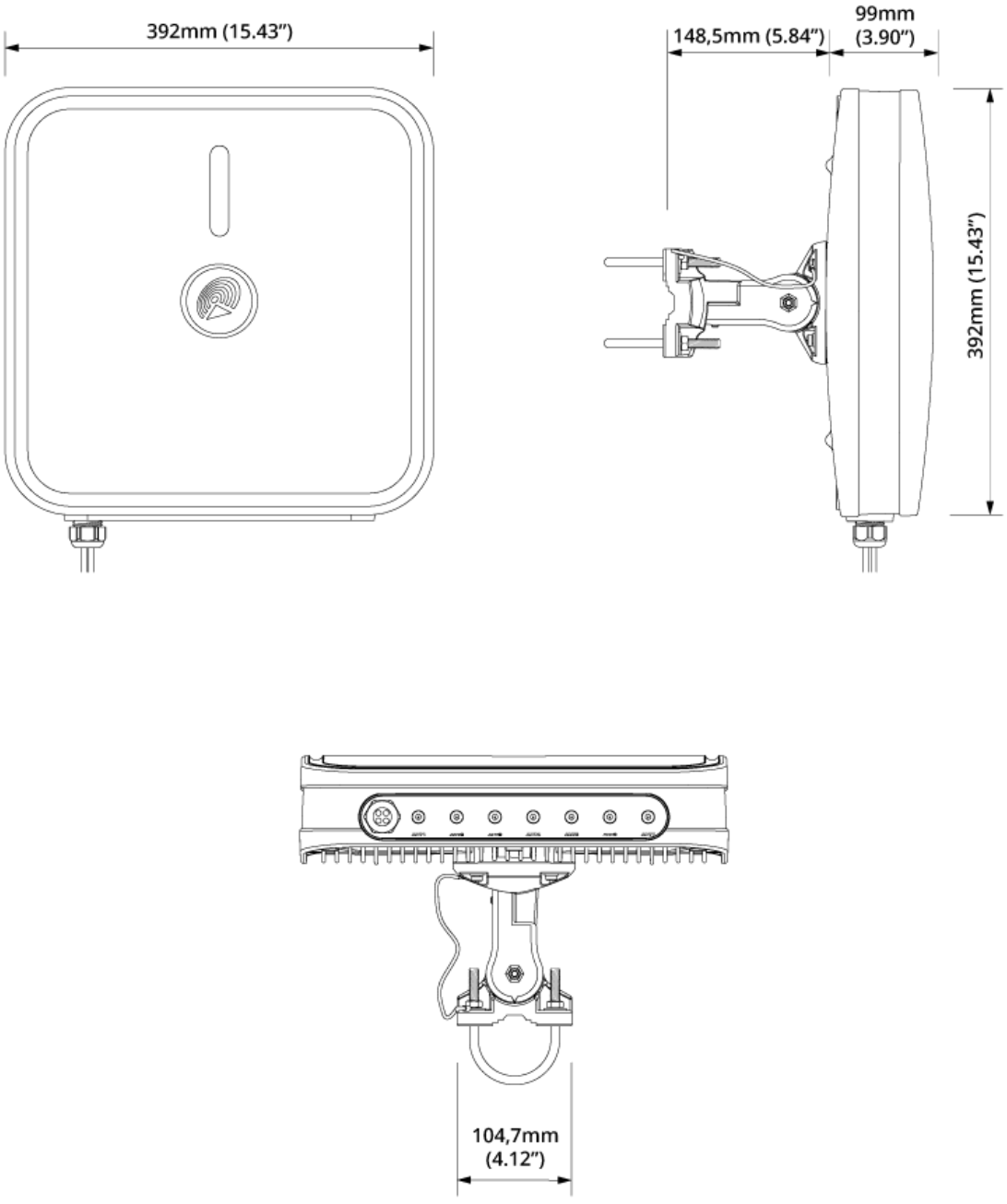


DIMENSIONS



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