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.

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 : 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

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MECHANICAL SPECIFICATION

MATERIALS	ASA, 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	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			

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LTE / 4G WCS DARS	2300 MHz	30	40				2400 MHz
LTE / 4G	2400 MHz	7	38	41	53	69	n90	2700 MHz

COMPATIBLE ROUTERS

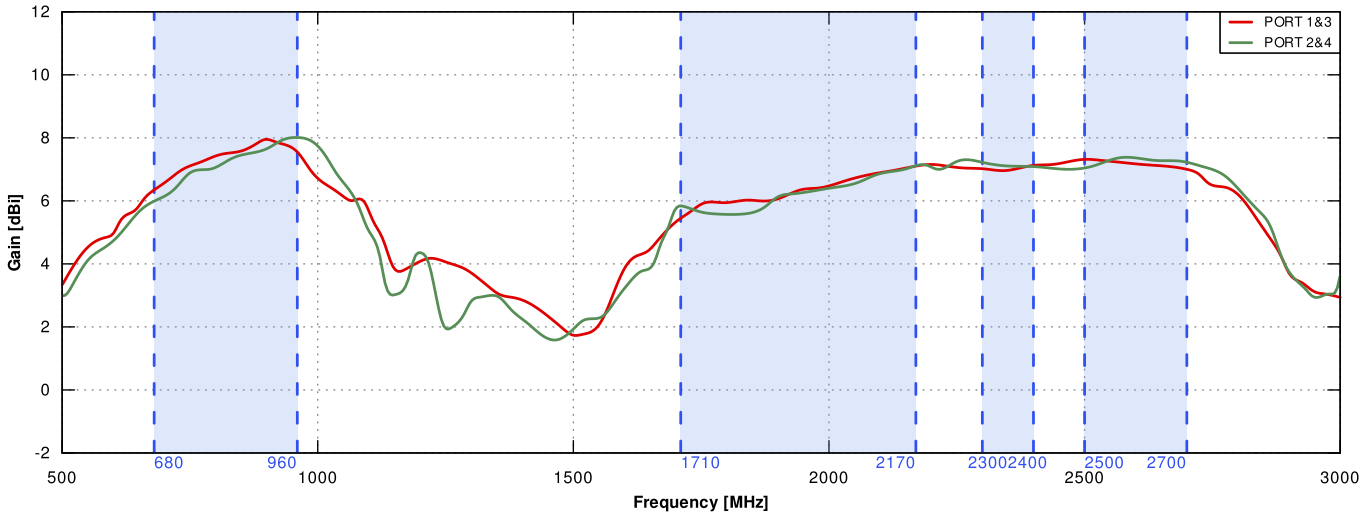
VARIANT: APLM4-HN

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

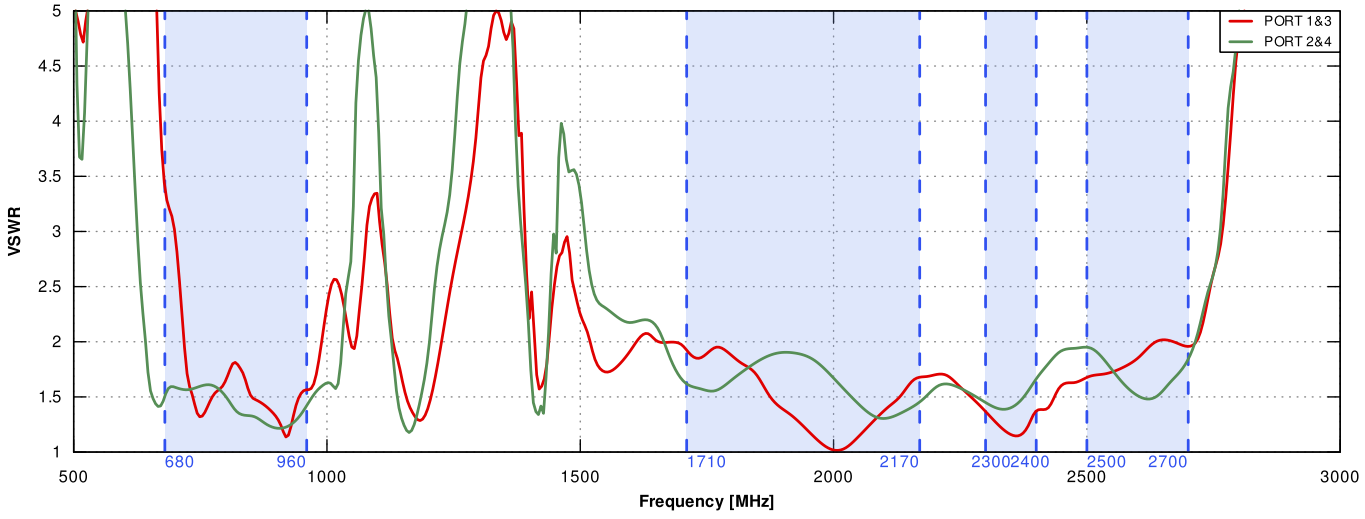
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PLOTS

Gain for 5G/LTE antenna



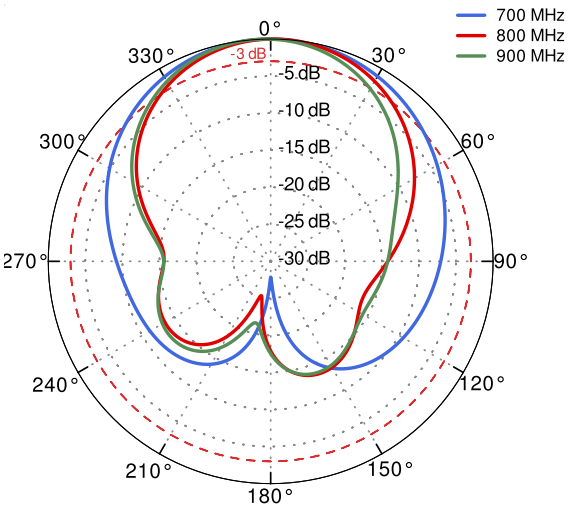
VSWR for 5G/LTE antenna



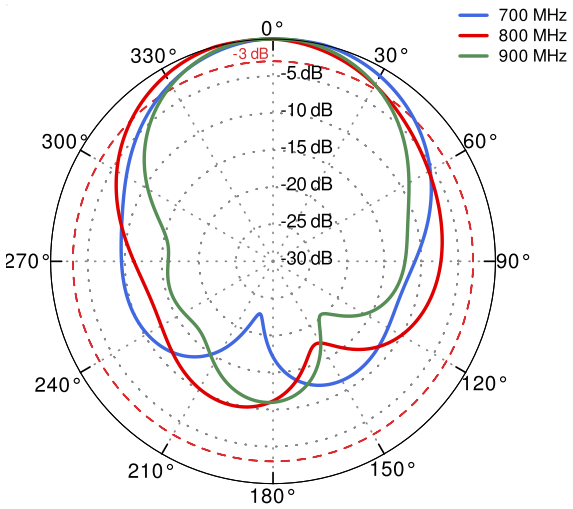
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PORT 1&3 - 5G/LTE From 700MHz to 900MHz

ELEVATION

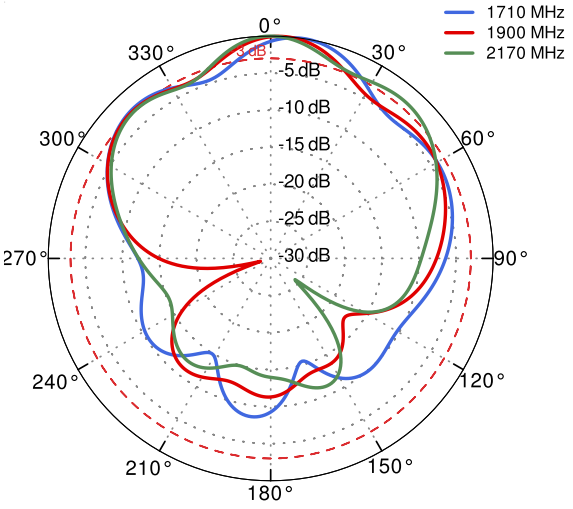


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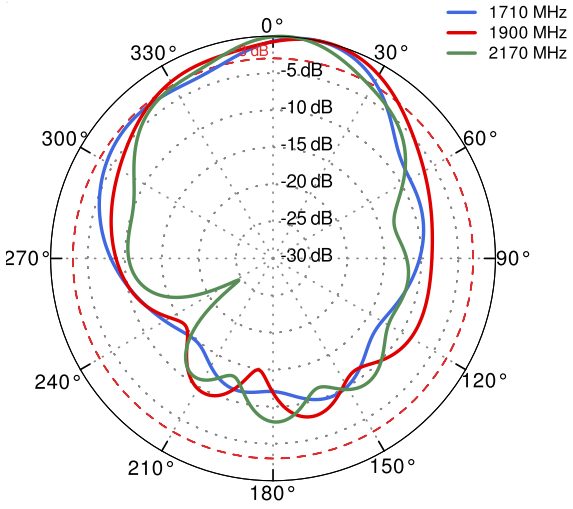


PORT 1&3 - 5G/LTE From 1710MHz to 2170MHz

ELEVATION



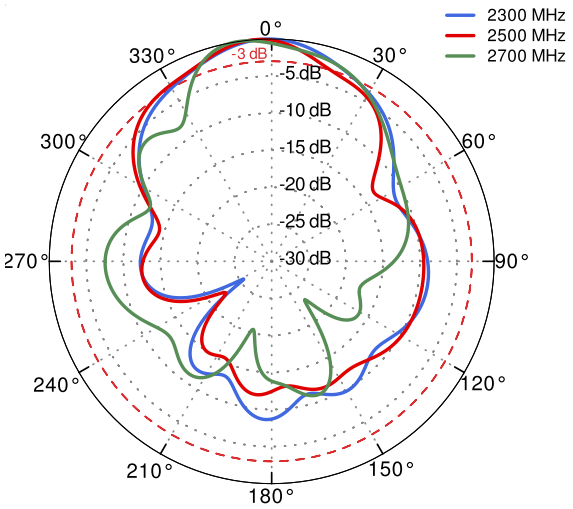
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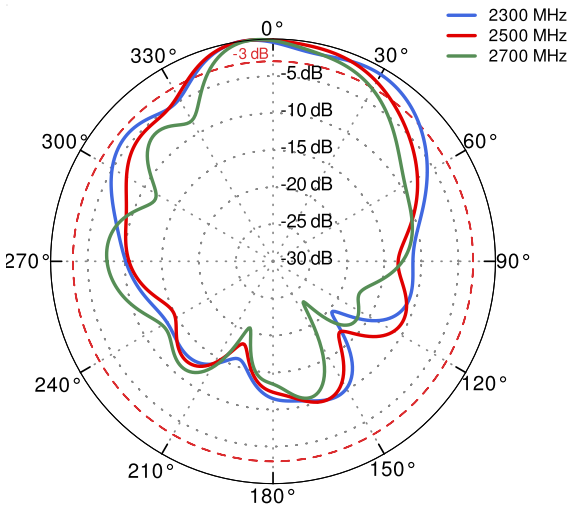
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PORT 1&3 - 5G/LTE From 2300MHz to 2700MHz

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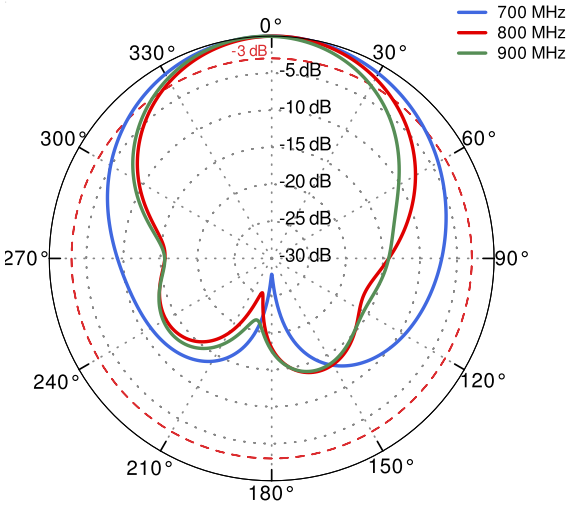


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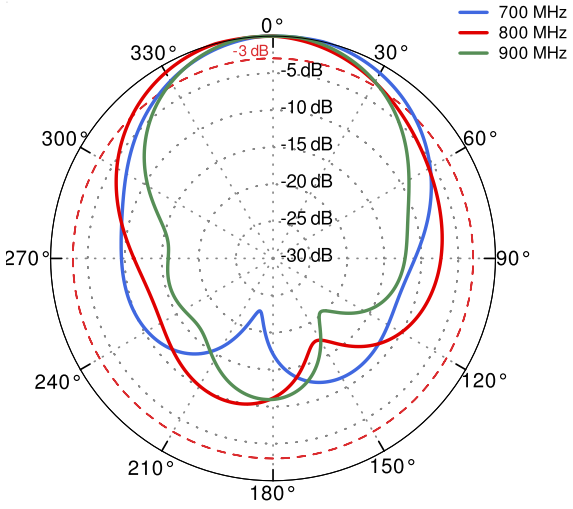


PORT 2&4 - 5G/LTE From 700MHz to 900MHz

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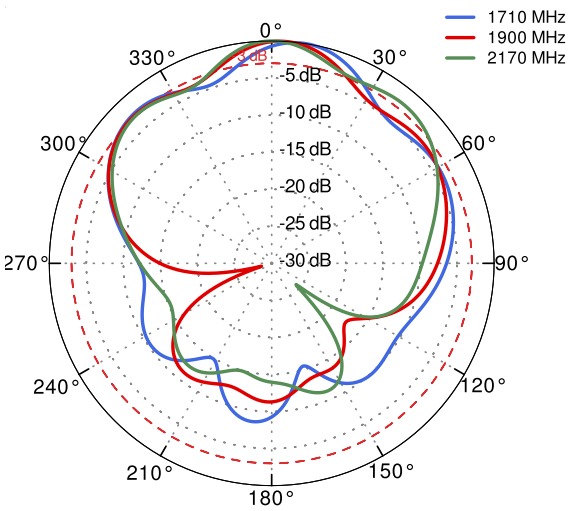
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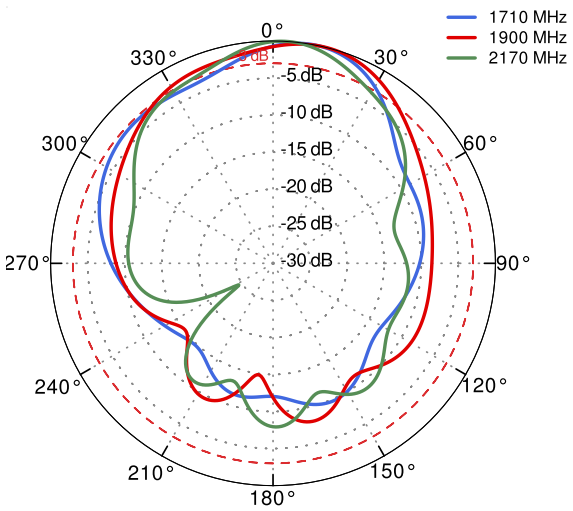
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PORT 2&4 - 5G/LTE From 1710MHz to 2170MHz

ELEVATION

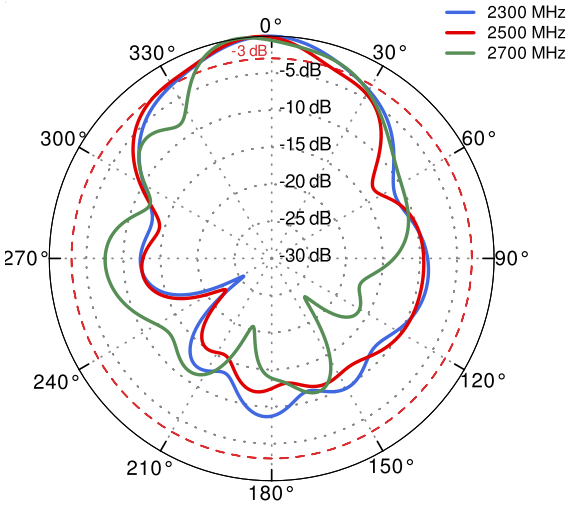


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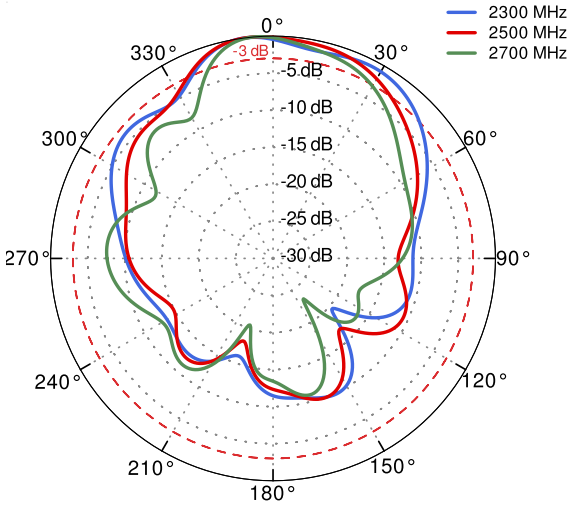


PORT 2&4 - 5G/LTE From 2300MHz to 2700MHz

ELEVATION

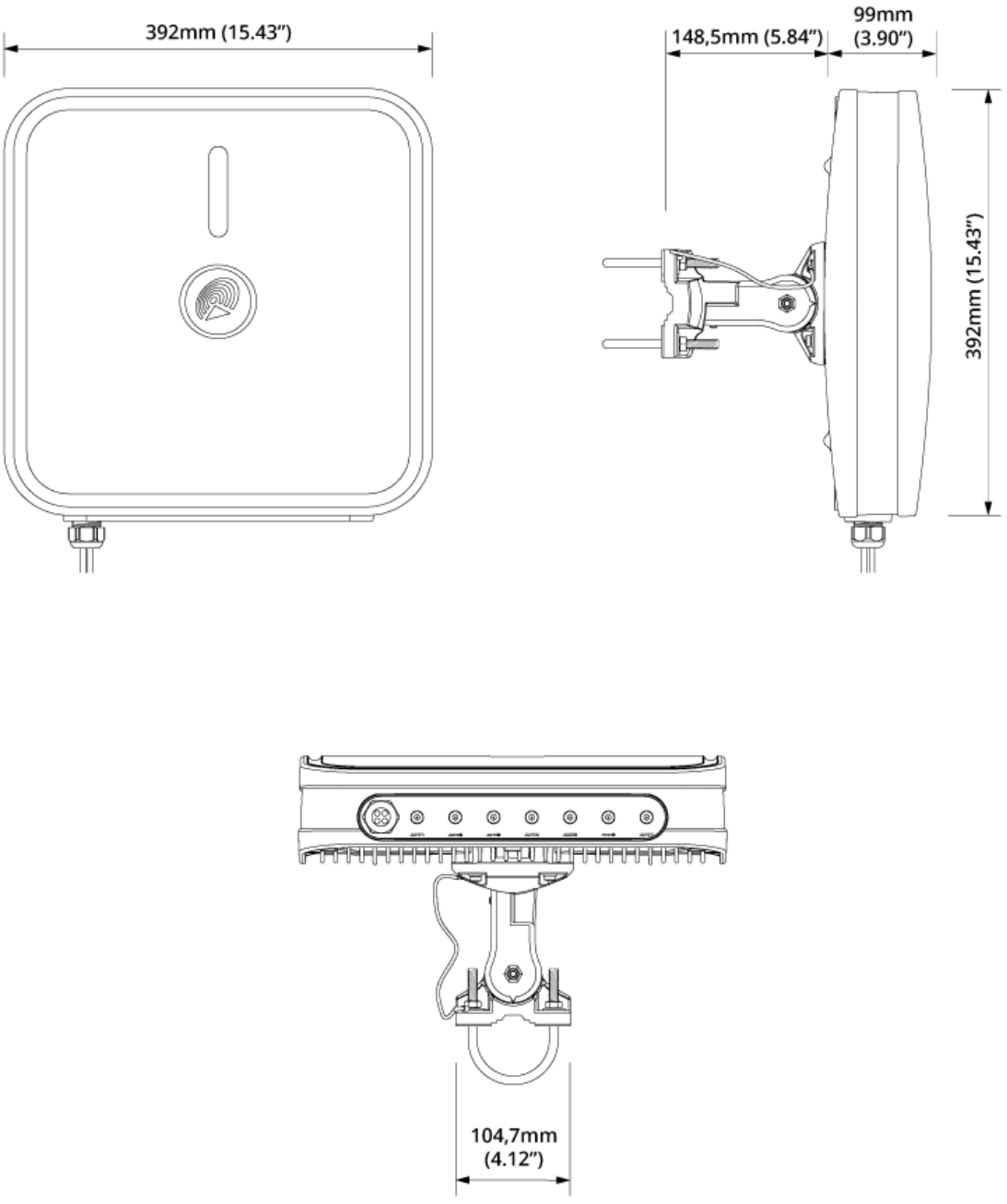


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DIMENSIONS



QuWireless
WWW.QUWIRELESS.COM
Sales email: sales@quwireless.com
Tel: +48 513 900 416
Support email: support@quwireless.com
Website: www.quwireless.com
Address: Wireless Instruments Sp. z o.o., ul. Kościuszki 27, 52-116 Iwiny, Poland

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