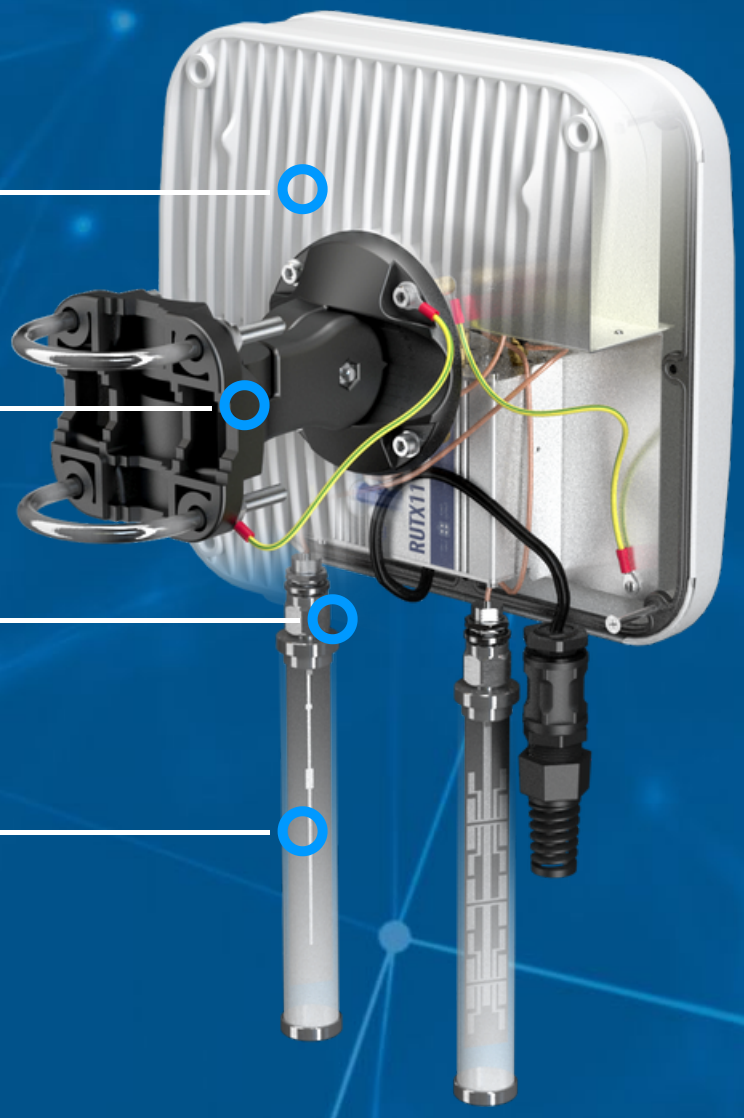
QuMax for Teltonika RUTX11

Integrated outdoor LTE high power directional antenna + outdoor Wi-Fi dual band 2.4 & 5 GHz omni antenna + Bluetooth antenna + GPS antenna + place to install Teltonika RUTX11 (All-in-one)

QuMAX offers the most powerful directional LTE antenna of all QuWireless antennas. It is dedicated to connections with long distance to base station. It is designed to have Teltonika **RUTX11** router installed inside IP67 enclosure. It is the first choice for fixed installations in industrial environment. It also has embedded GPS antenna, Bluetooth antenna and outdoor Wi-Fi dual band 2.4 & 5 GHz omni antennas.
This product is also compatible with **RUTM11.** If used with RUTM11, the Bluetooth antenna is unused.

4G LTE | Wi Fi DUALBAND 2.4GHz 5GHz | BLUETOOTH | GPS | 694-2700MHz | 7 dBi | DIRECTIONAL | IP 67 | -40° TO +80°

- ALL ANTENNAS AND TELTONIKA ROUTER INTEGRATED **IN ONE ENCLOSURE**
- OUTDOOR ANTENNA WORKS IN **ANY WEATHER CONDITIONS**, IP67
- ANTENNA **PERFECTLY MATCHED** WITH THE ROUTER
- MADE IN **EUROPE**



LTE ANTENNA SPECIFICATION

FREQUENCY	0.694 - 0.96 GHz 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	0.694 - 0.96 GHz : 4 dBi 1.7 - 2.2 GHz : 5 dBi 2.2 - 2.7 GHz : 6 dBi
FRONT-TO-BACK	>8 dB
VSWR	<1.30, max <1.80
BEAMWIDTH	90°/90° ±30°
POLARIZATION	Vertical
IMPEDANCE	50 Ω

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WI-FI ANTENNA SPECIFICATION

FREQUENCY	2.4 - 2.5 GHz 4.70 - 6.00 GHz
GAIN	2.40 - 2.50 GHz : 6 dBi 4.70 - 6.00 GHz : 7 dBi
VSWR	<1.70, max <2.00
BEAMWIDTH	360°/25° ±5°
POLARIZATION	Vertical
IMPEDANCE	50 Ω

BLUETOOTH ANTENNA SPECIFICATION

FREQUENCY	2.30 - 2.60 GHz
GAIN	3 dBi
VSWR	<1.70, max <2.00
BEAMWIDTH	360°/25° ±5°
POLARIZATION	Vertical
IMPEDANCE	50 Ω

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MECHANICAL SPECIFICATION

RADOME MATERIAL	UV-resistant ASA
OPERATING HUMIDITY	up to 100% RH
MATERIALS	aluminum, PTFE, Fiberglass
CONNECTOR TYPE	RJ45 + 2xNf + 2xNm in external omni wi-fi antenna
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
ENCLOSURE RECOMMENDED TIGHTENING TORQUE	0.6 - 0.8 Nm
MAST DIAMETER	25-66mm 0.98-2.60 inch

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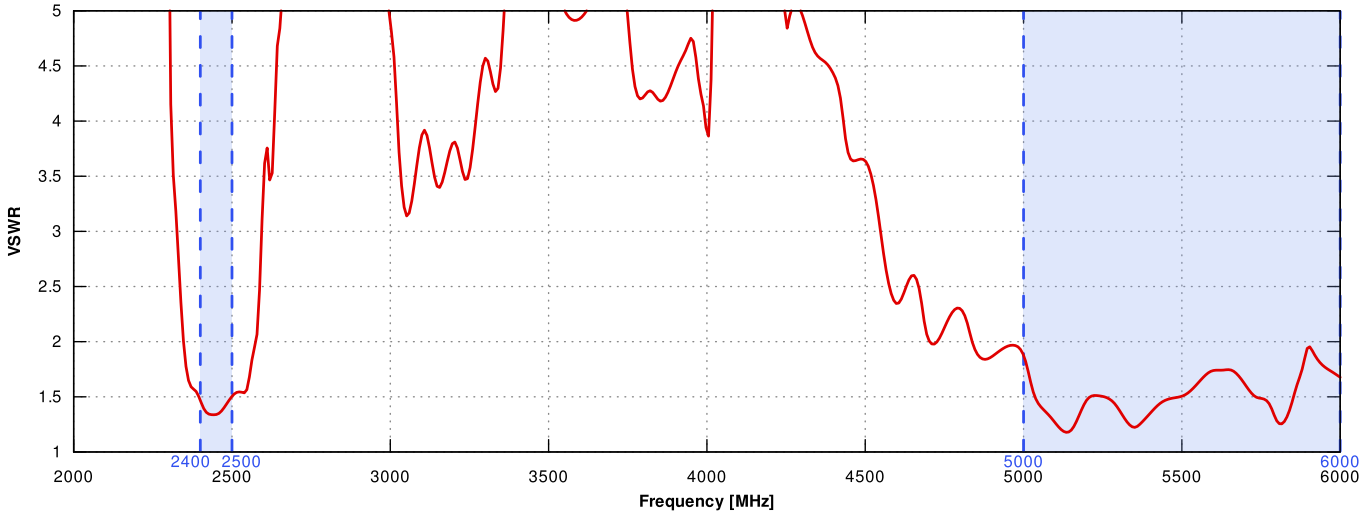
FREQUENCY BANDS

LTE/4G GSM	694 MHz	5	8	12	13	14	17	18	960MHz
		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

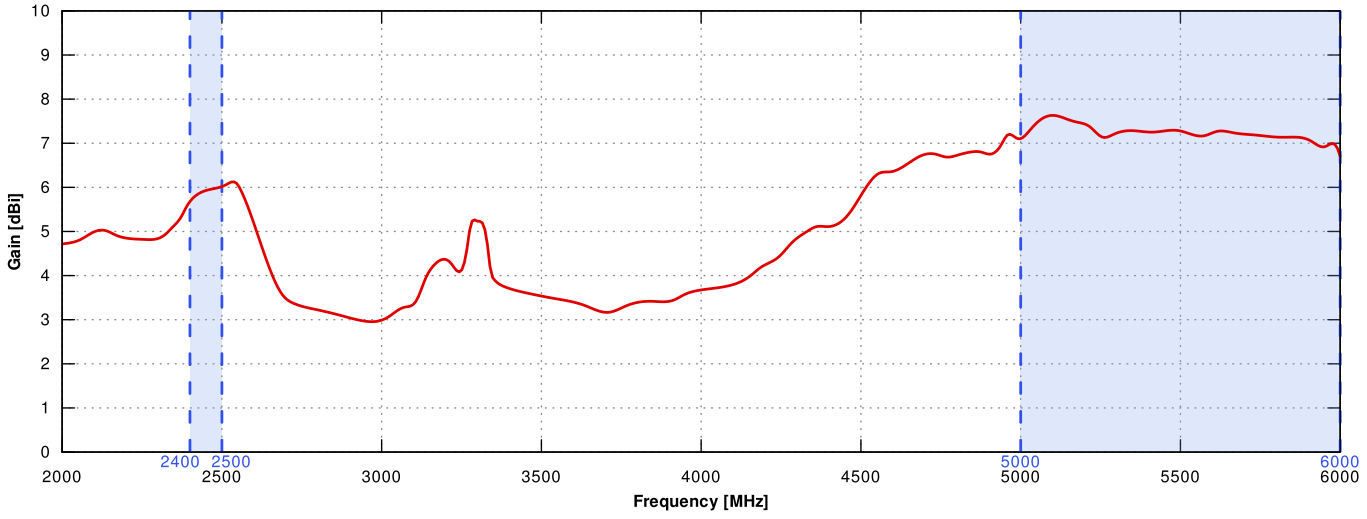
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PLOTS

VSWR for Wi-Fi antenna

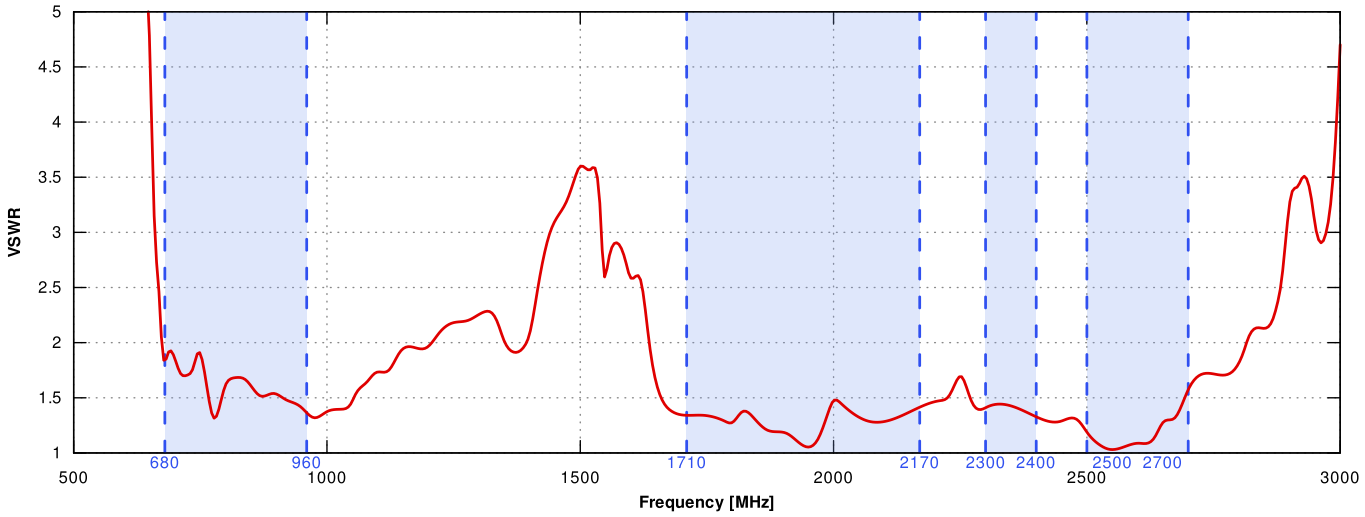


Gain for Wi-Fi antenna

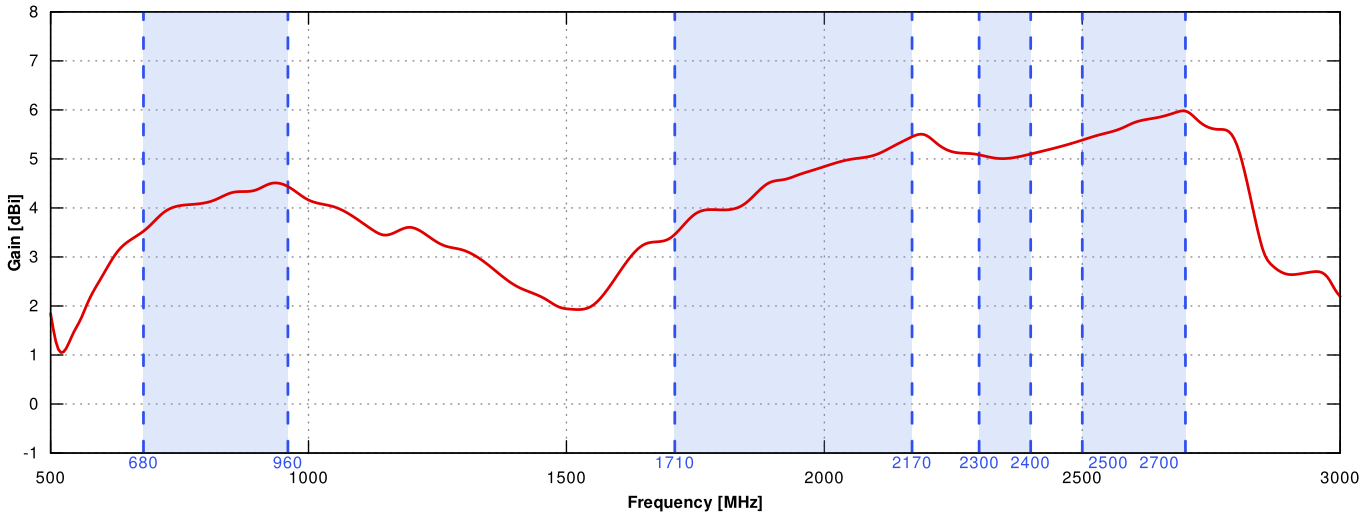


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VSWR for LTE antenna



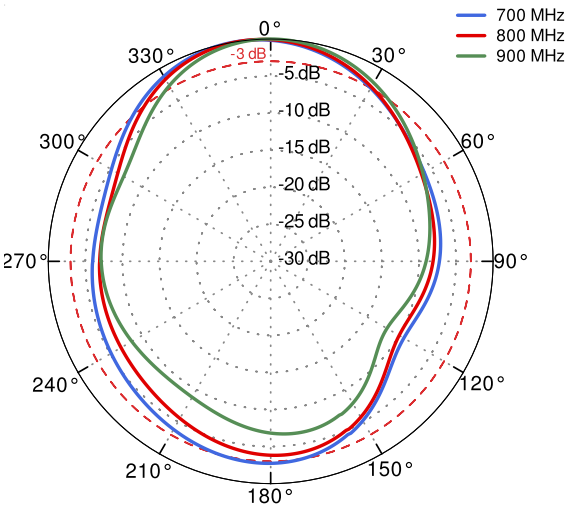
Gain for LTE antenna



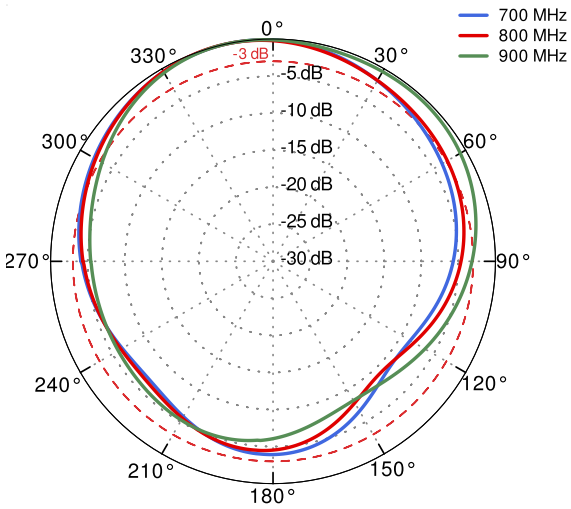
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LTE from 700MHz to 900MHz

ELEVATION

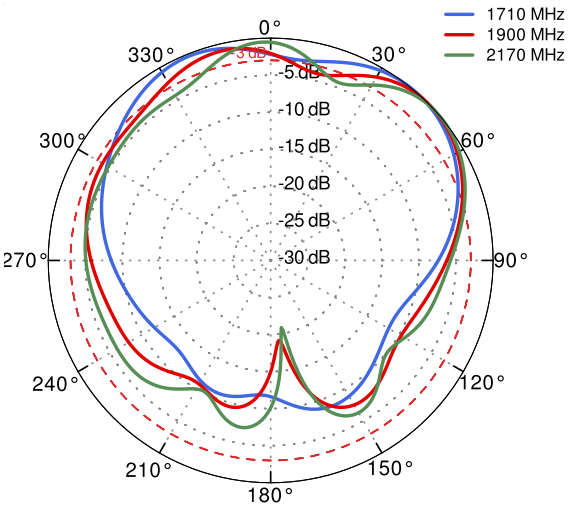


AZIMUTH

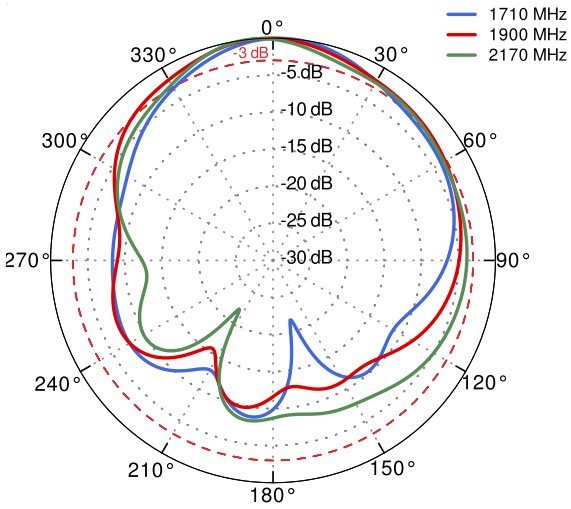


LTE from 1.71GHz to 2.17GHz

ELEVATION



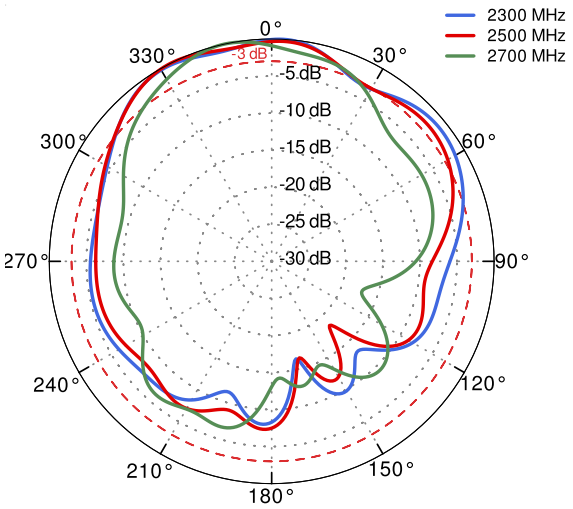
AZIMUTH



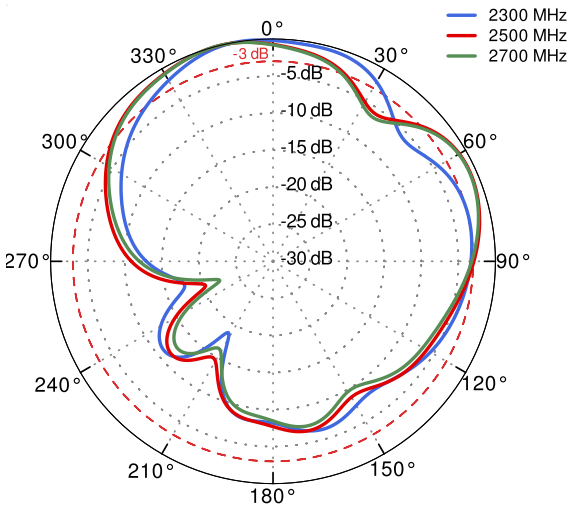
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LTE from 2.3GHz to 2.7GHz

ELEVATION

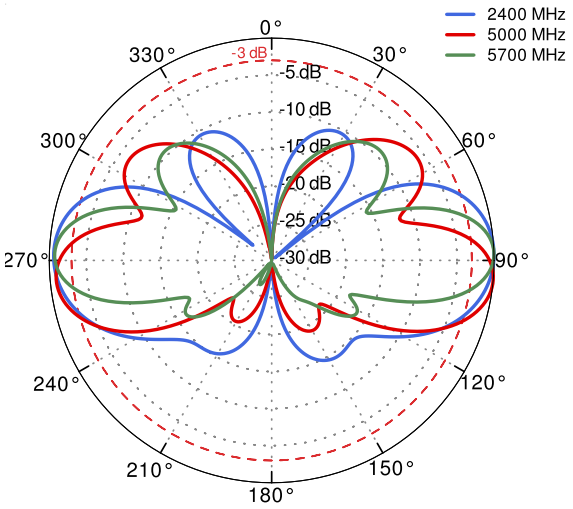


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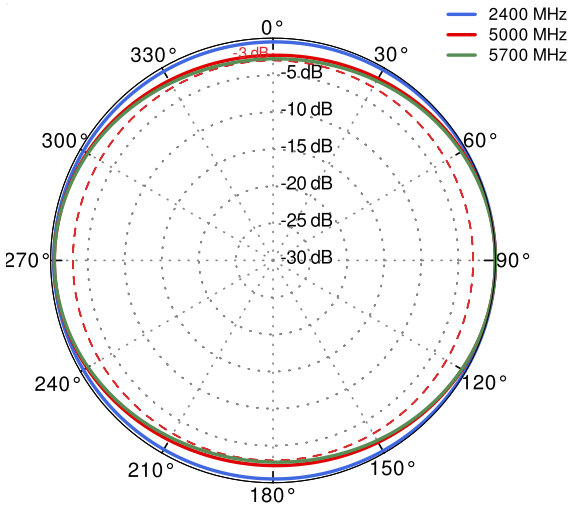


Wi-Fi 2.4GHz and 5GHz

WI-FI ELEVATION

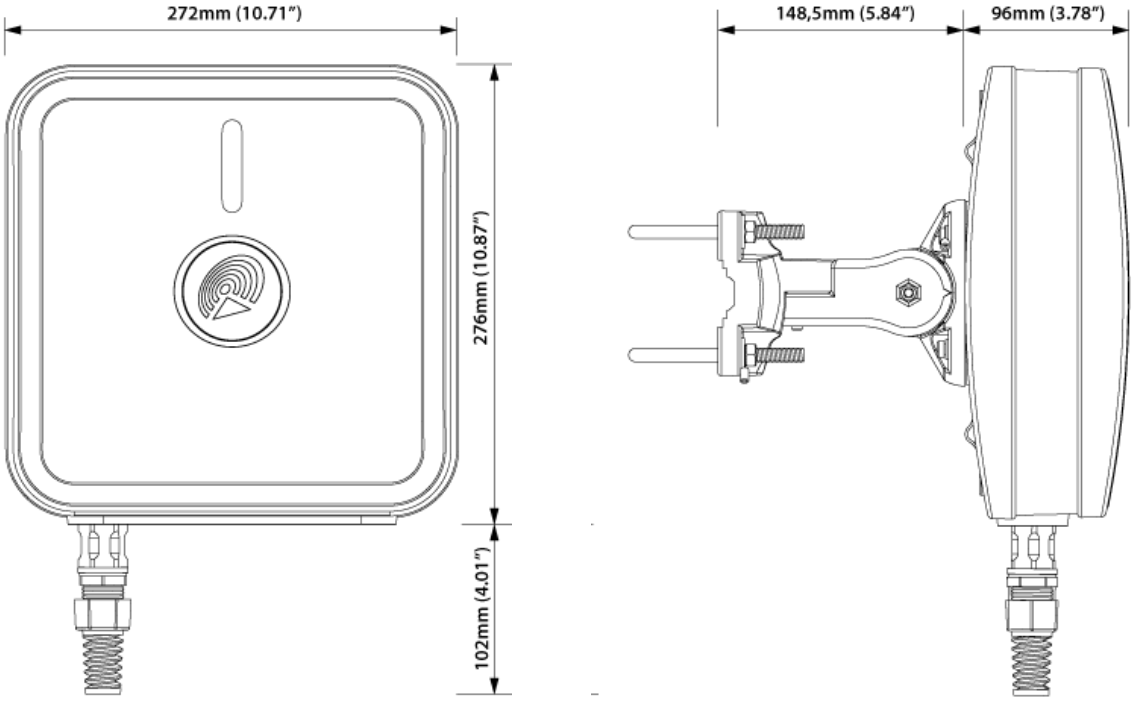


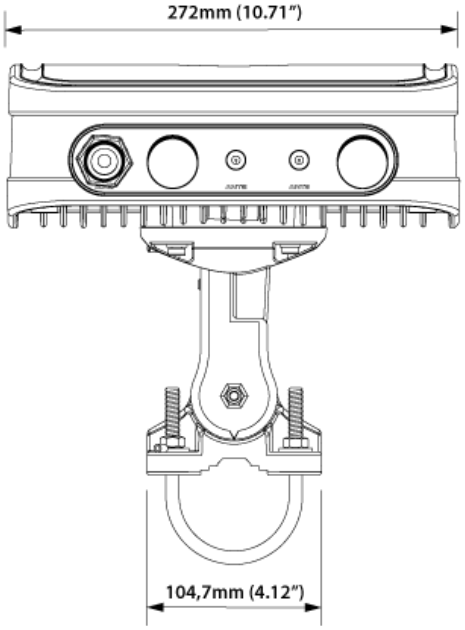
WI-FI AZIMUTH



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DIMENSIONS





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