QuSpot for Teltonika RUTC50

INTEGRATED MULTI-BAND LTE & 5G OMNI ANTENNA + WI-FI 6E OMNI ANTENNA + GPS ACTIVE ANTENNA + PLACE TO INSTALL TELTONIKA RUTC50 (ALL-IN-ONE)

QuSpot for RUTC50 is an outdoor antenna designed to provide reliable wireless connectivity in a variety of environments. This product is an all in one solution that integrates a high gain omnidirectional 5G and Wi Fi antennas with RUTC50 into a single IP67 enclosure. Such integration allows implementation of new outdoor RUTC50 solutions.
QuSpot for RUTC50 is an ideal solution for outdoor wireless connectivity in moving applications such as transportation, yachting, boats and camping but also city centres with high signal density.
Wi-Fi 6E support!
The RUTC50 only supports passive POE from batch number 7 onwards.

5G | Wi Fi 6E | GPS | 617-6000MHz | 7 dBi | OMNI DIRECTIONAL | IP 68 | -40° TO +80° | BAND 71

5G ANTENNA SPECIFICATION

FREQUENCY	617 - 960 MHz 1.7 - 2.7 GHz 3.3 - 4.7 GHz 5.2 - 6.0 GHz
GAIN	617 - 960 MHz : 2 dBi 1.7 - 2.7 GHz : 4 dBi 3.3 - 4.7 GHz : 4.5 dBi 5.2 - 6.0 GHz : 2 dBi
SUPPORTED LTE BANDS	1, 2, 3, 4, 5, 7, 8, 9, 10, 12, 13, 14, 1, 2, 3, 4, 5, 7, 8, 9, 10, 12, 13, 14, 17, 18, 19, 20, 22, 25, 26, 27, 28, 29, 30, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 48, 49, 52, 53, 65, 66, 67, 68, 69, 71, 85, 103, 1067, 18, 19, 20, 22, 25, 26, 27, 28, 29, 30, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 48, 49, 52, 53, 65, 66, 67, 68, 69, 71, 85, 103, n77, n78, n80, n81, n82, n83, n84, n86, n89, n90, n95, n97, n98, n100, n101
SUPPORTED 5G BANDS	n1, n2, n3, n5, n7, n8, n12, n13, n14, n18, n20, n25, n26, n28, n29, n30, n34, n38, n39, n40, n41, n48, n53, n65, n66, n67, n71, n77, n78, n80, n81, n82, n83, n84, n85, n86, n89, n90, n95, n97, n98, n100, n101, n256
VSWR	<2.00, max <2.50
BEAMWIDTH	360°/25° ±5°
POLARIZATION	Vertical
IMPEDANCE	50 Ω
CONNECTOR	4x SMA
CABLE TYPE	RG316

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WI-FI ANTENNA SPECIFICATION

FREQUENCY	2.4 - 2.5 GHz 4.7 - 6 GHz
GAIN	2.4 - 2.5 GHz : 6 dBi 4.7 - 6 GHz : 7.5 dBi
VSWR	<1.70, max <2.00
BEAMWIDTH	360°/25° ±5°
POLARIZATION	Vertical
IMPEDANCE	50 Ω
CONNECTOR	3x RPSMA
CABLE TYPE	RG316

GPS ACTIVE ANTENNA SPECIFICATION

FREQUENCY	1.56 – 1.61 GHZ
VSWR	< 2
GAIN	3 dBi
GAIN 3V	28 dBi
DC POWER INPUT	2.5 V ~ 6.5 V
POWER CONSUMPTION	2.5-6.5mA
IMPEDANCE	50 Ω
POLARIZATION	RHCP (right hand circularly polarized)

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CONNECTOR	1x SMA
CABLE TYPE	RG174

MECHANICAL SPECIFICATION

MATERIALS	ABS, aluminum, PTFE
CONNECTOR TYPE	RJ45
INGRESS PROTECTION	IP68
DIMENSIONS	160 x 160 x 240 mm 6.3 x 6.3 x 9.45 inch
WEIGHT	1.5 kg 3.31 lbs
OPERATING TEMPERATURE	From -40°C to 75°C From -40°F to 167°F
MAST DIAMETER	40-60 mm 1.57-2.36 inch

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FREQUENCY BANDS

LTE / 4G

617 MHz — 4300 MHz

1	2	3	4	5	7	8
9	10	12	13	14	17	18
19	20	22	25	26	27	28
29	30	33	34	35	36	37
38	39	40	41	42	43	44
48	49	52	53	65	66	67
68	69	71	85	103	106	

5G

617 MHz — 4300 MHz

n1	n2	n3	n5	n7	n8	n12
n13	n14	n18	n20	n25	n26	n28
n29	n30	n34	n38	n39	n40	n41
n48	n53	n65	n66	n67	n71	n77
n78	n80	n81	n82	n83	n84	n85
n86	n89	n90	n95	n97	n98	n100
n101	n256					

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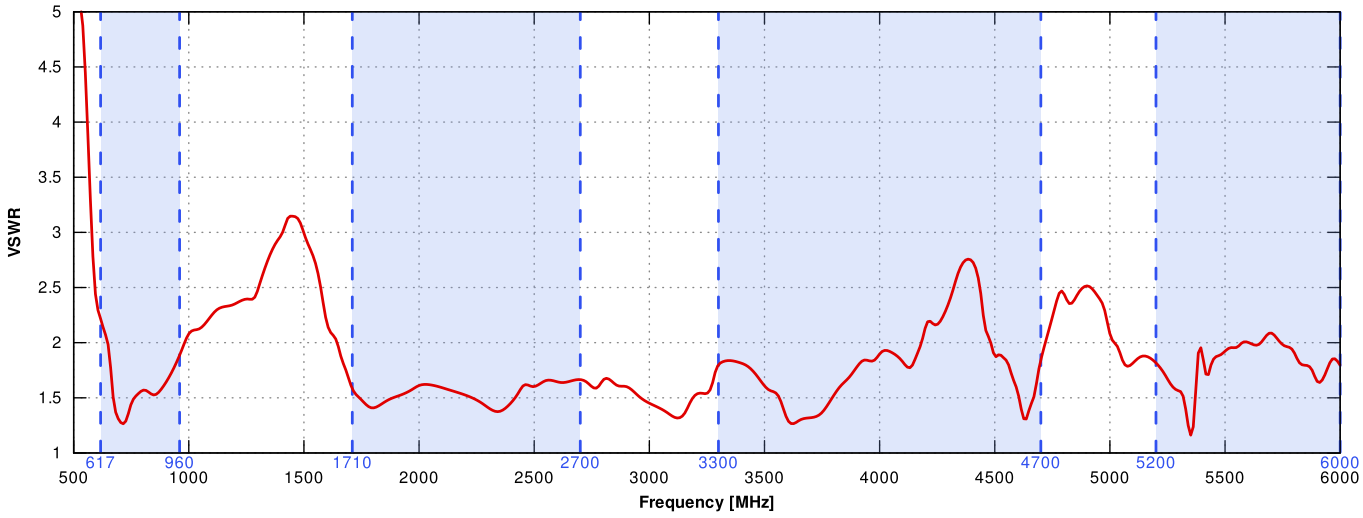
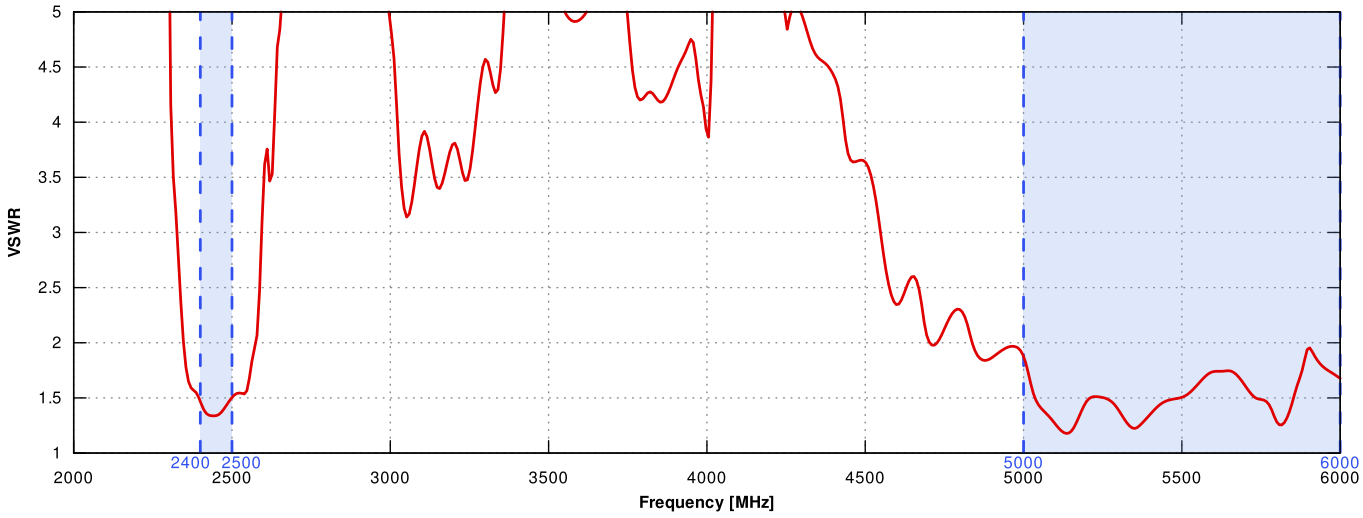
PLOTS

VSWR for 5G/LTE antenna



VSWR for Wi-Fi antenna



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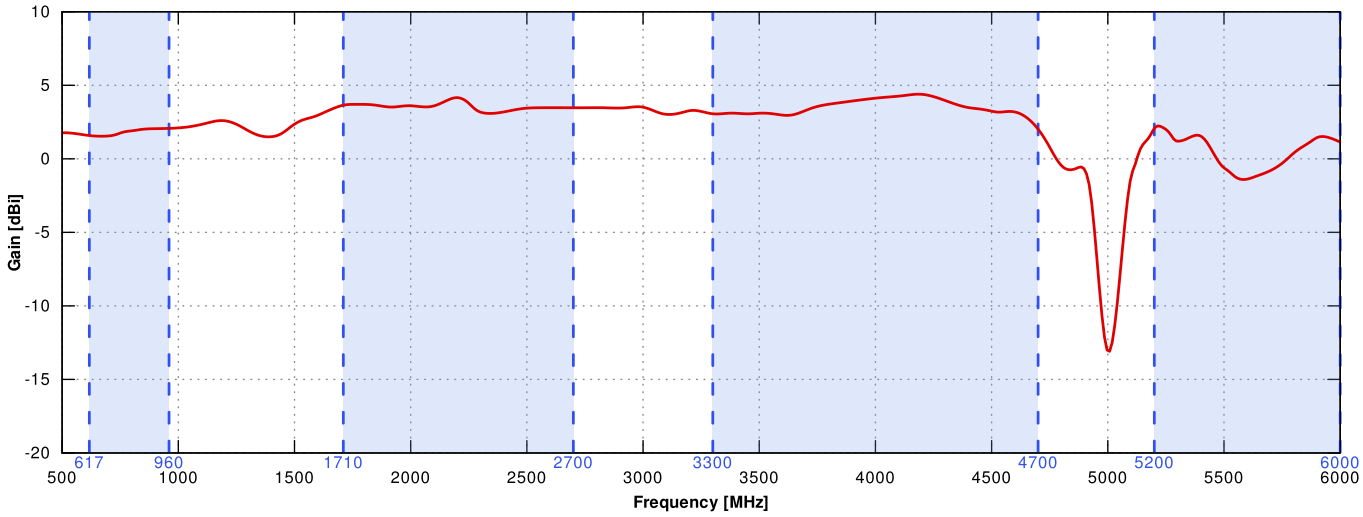
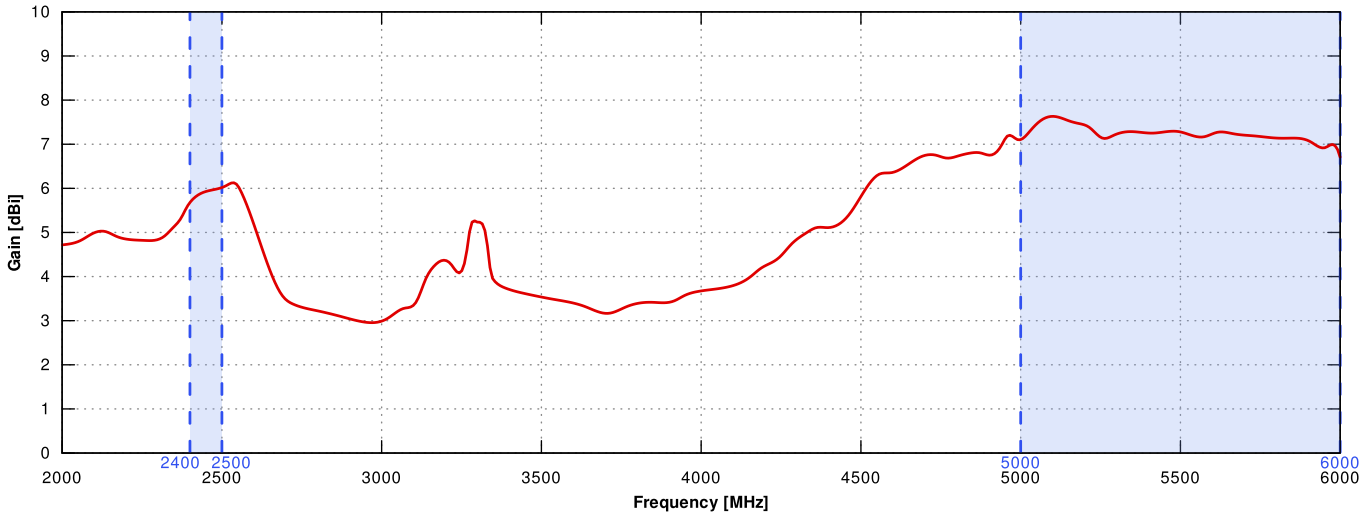
Gain for 5G/LTE antenna



Gain for Wi-Fi antenna



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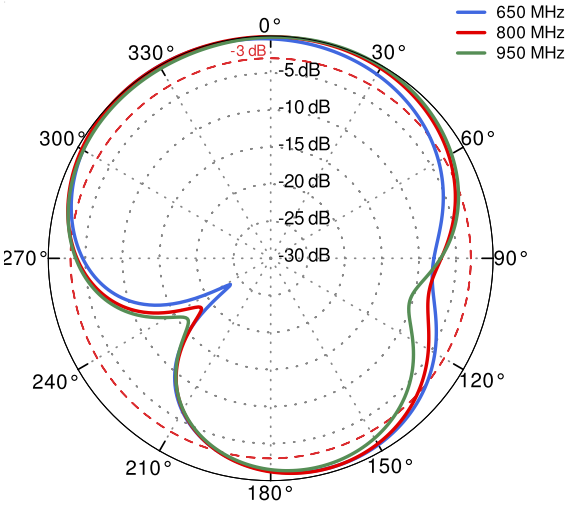
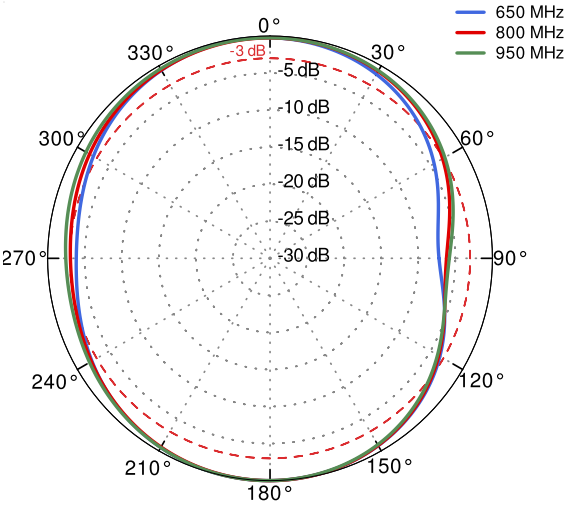
5G/LTE from 650MHz to 950MHz

ELEVATION

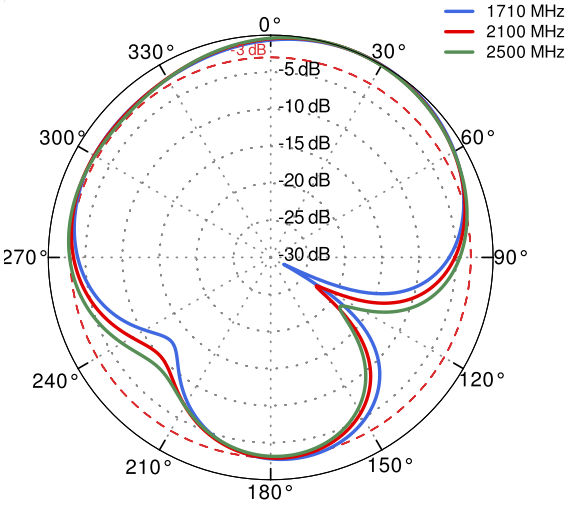


AZIMUTH



5G/LTE from 1.71GHz to 2.5GHz

ELEVATION



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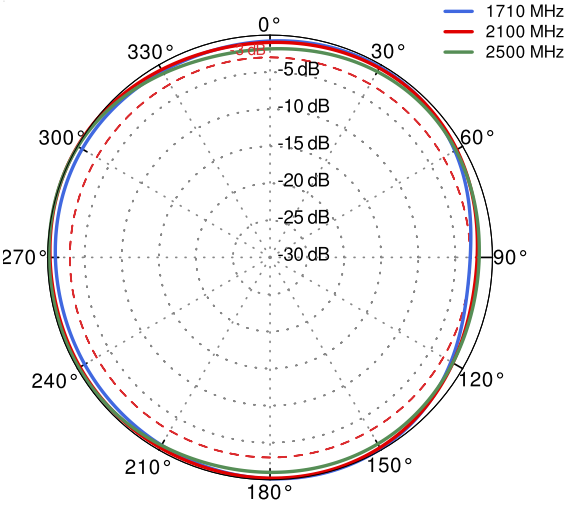

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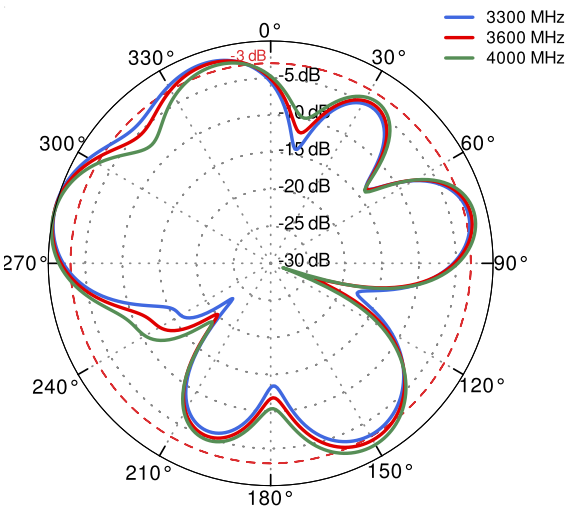
5G/LTE from 3.3GHz to 4.0GHz

ELEVATION



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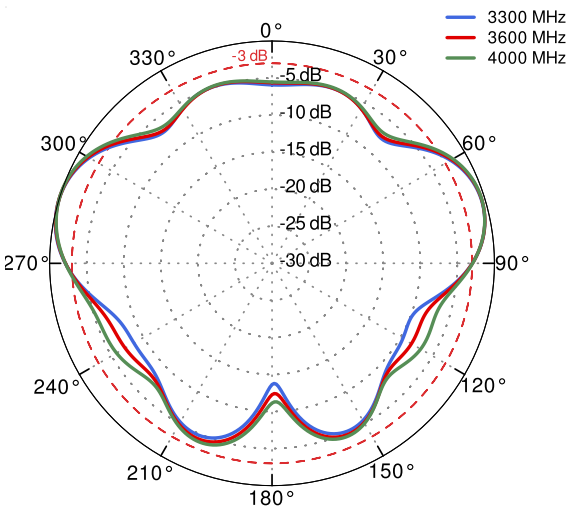
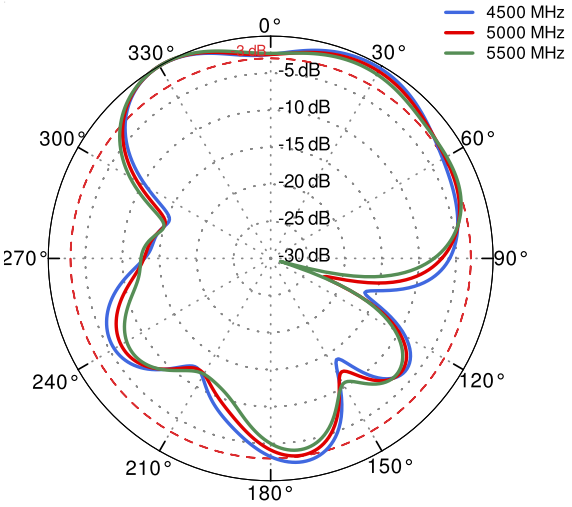


5G/LTE from 4.5GHz to 5.5GHz

ELEVATION



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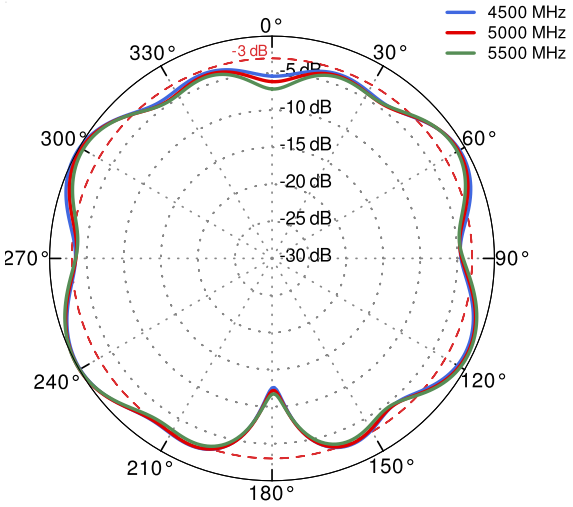

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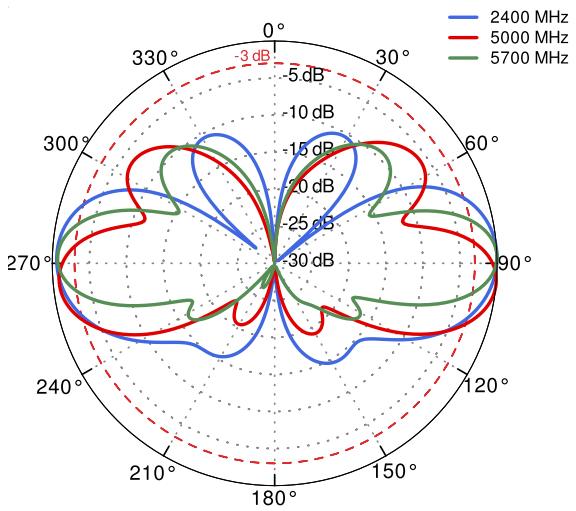
Wi-Fi 2.4 GHz and 5 GHz

ELEVATION



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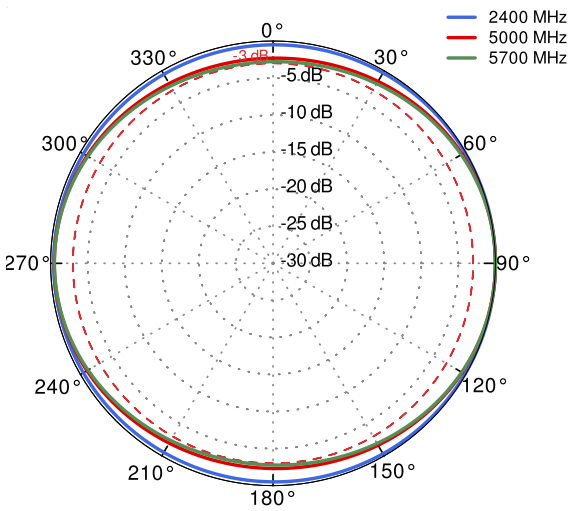
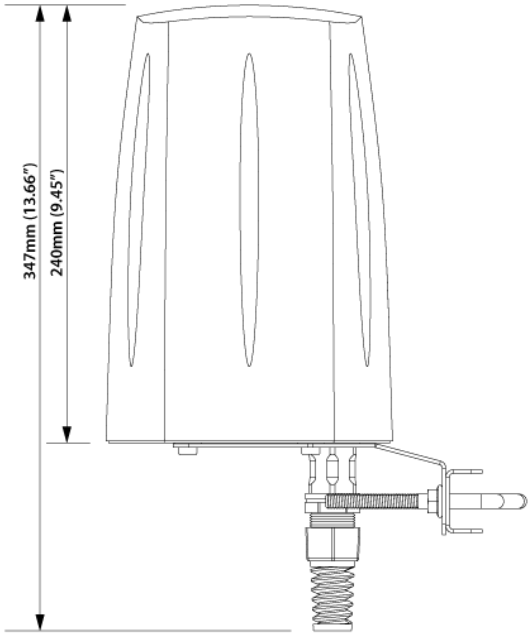
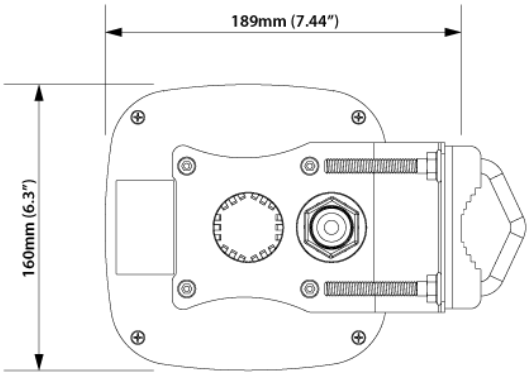


DIMENSIONS





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