QuSpot for Teltonika RUTM20/RUTM30/RUTM31

INTEGRATED MULTI-BAND LTE & 5G OMNI ANTENNA + WI-FI OMNI ANTENNA + PLACE TO INSTALL TELTONIKA RUTM20/RUTM30/RUTM31 (ALL-IN-ONE)

QuSpot for RUTM20/RUTM30/RUTM31 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 RUTM20/RUTM30/RUTM31 into a single IP68 enclosure. Such integration allows implementation of new outdoor RUTM20/RUTM30/RUTM31 solutions.
QuSpot for RUTM20/RUTM30/RUTM31 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.

5G | Wi Fi DUALBAND 2.4GHz 5GHz | 617-6000MHz | 7 dBi | OMNI DIRECTIONAL | IP 68 | -40° TO +80° | BAND 71

- OUTDOOR ANTENNA WORKS IN **ANY WEATHER CONDITIONS**, IP68
- ANTENNA **PERFECTLY MATCHED** WITH THE ROUTER
- PASSIVE **POE SUPPORT**
- MADE IN **EUROPE**



5G ANTENNA SPECIFICATION

FREQUENCY	0.617 - 0.960 GHz 1.6 - 3.0 GHz 3.0 - 5.0 GHz 5.0 - 6.0 GHz
MAX. GAIN	0.617 - 0.960 GHz : 2 dBi 1.6 - 3.0 GHz : 4 dBi 3.0 - 5.0 GHz : 4 dBi 5.0 - 6.0 GHz : 2 dBi
SUPPORTED LTE 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, 46, 47, 48, 49, 52, 53, 54, 65, 66, 67, 68, 69, 70, 71, 85, 103, 106, 111, 252, 254, 256
SUPPORTED 5G BANDS	n1, n2, n3, n5, n7, n8, n12, n13, n14, n18, n20, n25, n26, n28, n29, n30, n34, n38, n39, n40, n41, n46, n47, n48, n53, n54, n65, n66, n67, n68, n70, n71, n77, n78, n79, n80, n81, n82, n83, n84, n85, n86, n89, n90, n95, n97, n98, n99, n100, n101, n106, n252, n254, n256
VSWR	<2.00, max <3.00
BEAMWIDTH	360°/35° ±5°
POLARIZATION	Vertical
IMPEDANCE	50 Ω

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WI-FI ANTENNA SPECIFICATION

FREQUENCY	2.4 - 2.5 GHz 5.0 - 7.2 GHz
MAX. GAIN	2.4 - 2.5 GHz : 6 dBi 5 GHz: 7.5dBi 7 GHz: 7.5dBi
VSWR	< 1.50, max < 2.00
BEAMWIDTH	360°/25° ±5°
POLARIZATION	Vertical
IMPEDANCE	50 Ω

MECHANICAL SPECIFICATION

RADOME MATERIAL	UV-resistant ASA
OPERATING HUMIDITY	up to 100% RH
MATERIALS	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

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ENCLOSURE RECOMMENDED TIGHTENING TORQUE	0.5 - 0.7 Nm
MAST DIAMETER	25-66 mm 0.98-2.60 inch

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

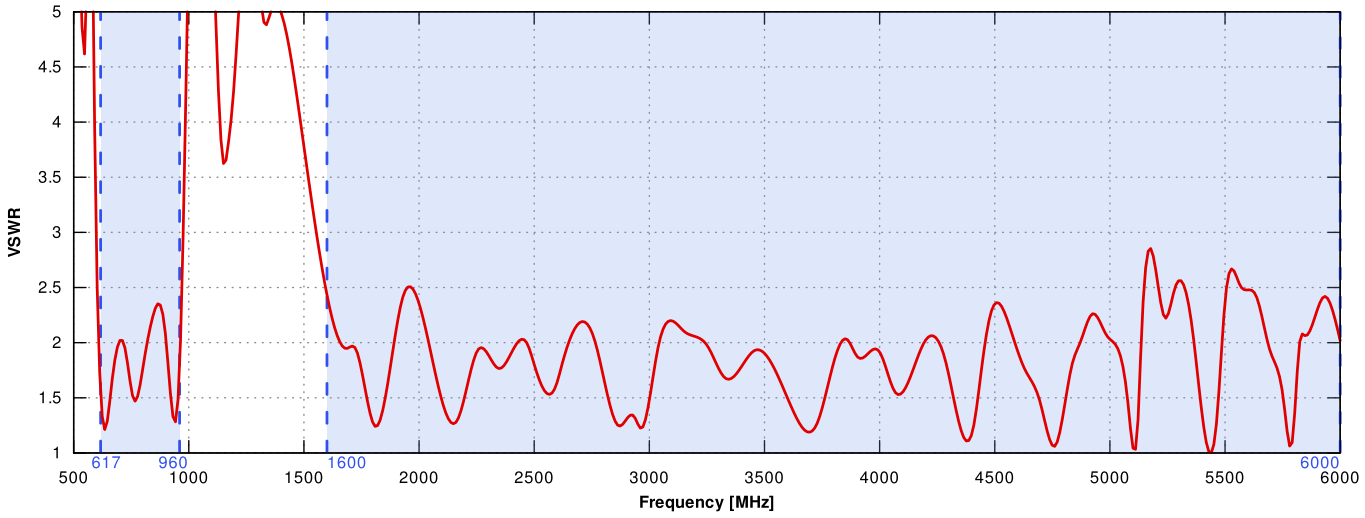
617 MHz — 4300 MHz

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					

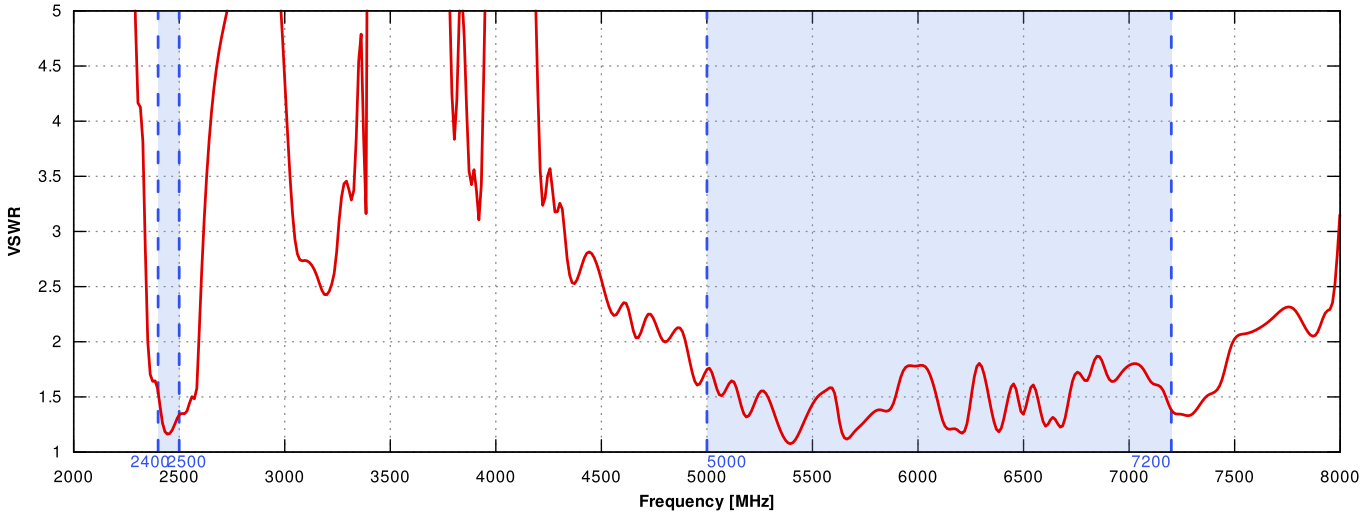
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PLOTS

VSWR for 5G/LTE antenna

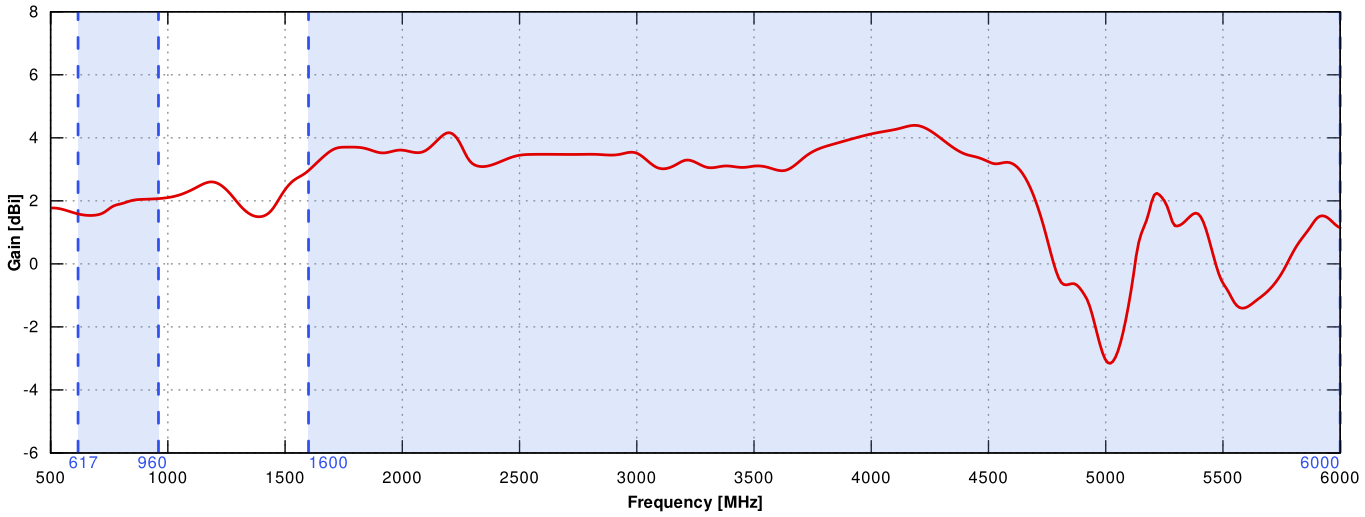


VSWR for Wi-Fi antenna

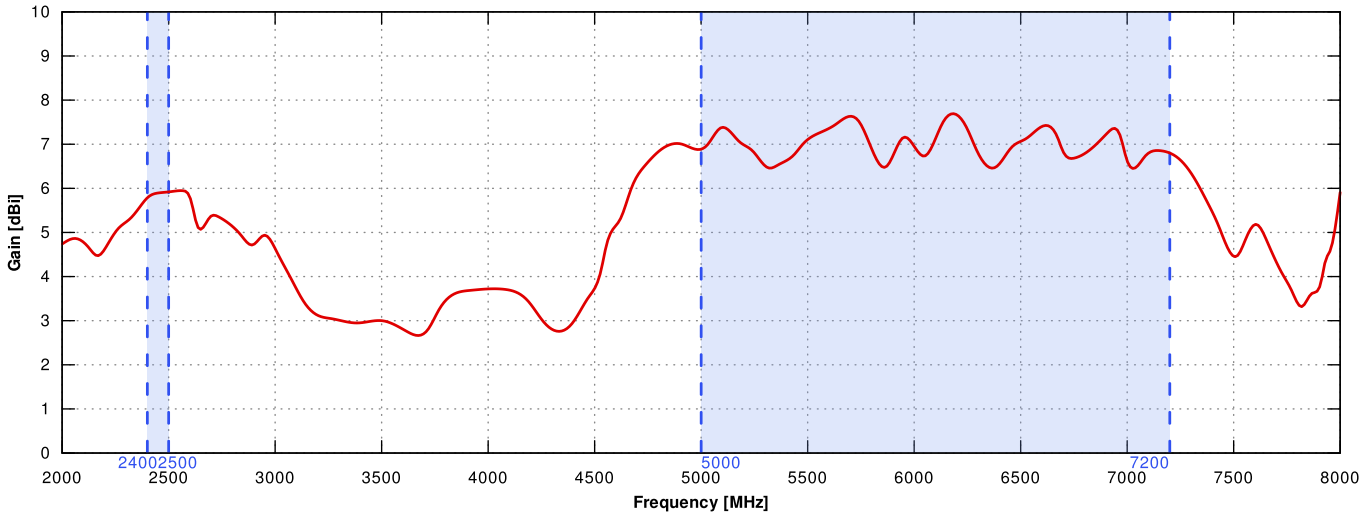


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Gain for 5G/LTE antenna



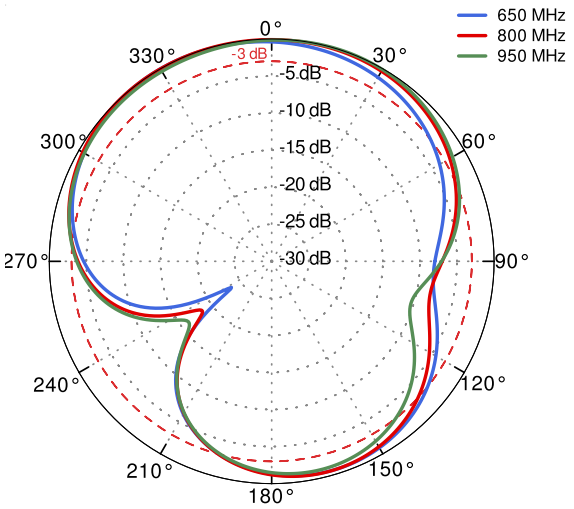
Gain for Wi-Fi antenna



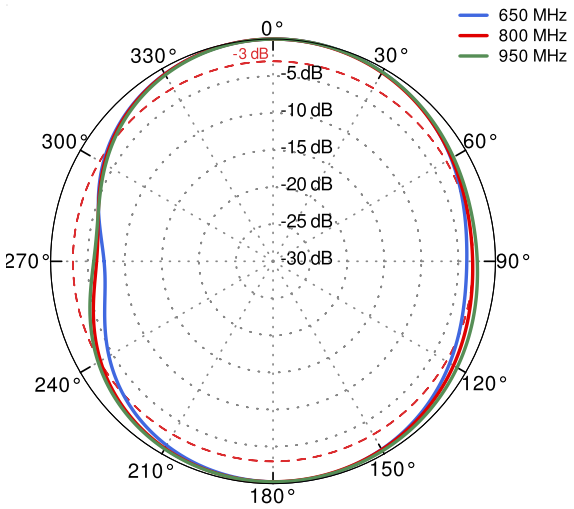
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5G/LTE From 650MHz to 950MHz

ELEVATION

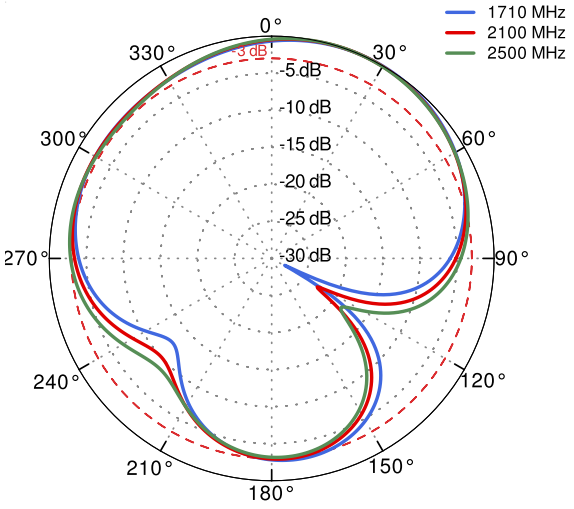


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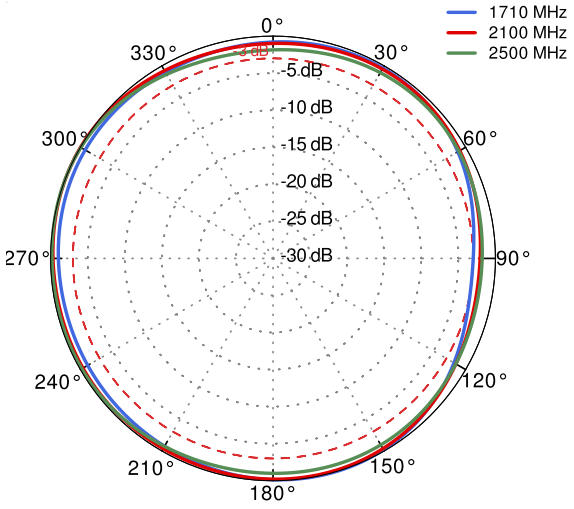


5G/LTE From 1710MHz to 2500MHz

ELEVATION



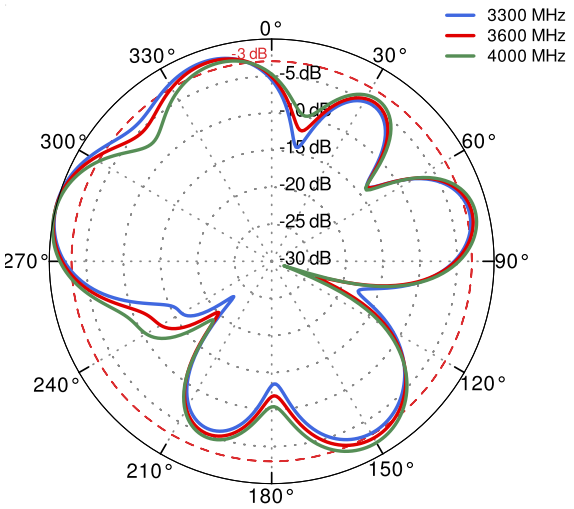
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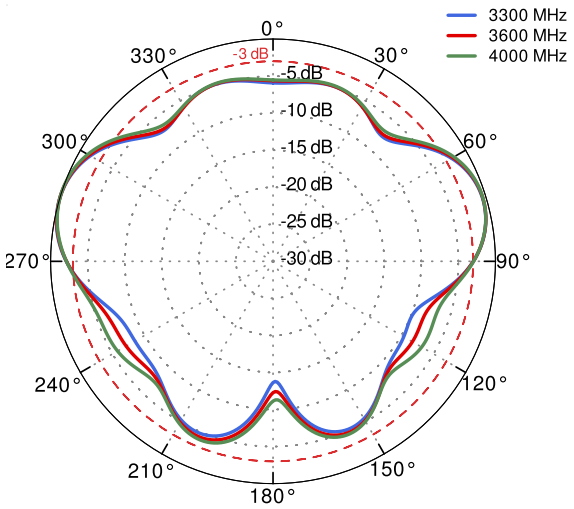
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5G/LTE From 3300MHz to 4000MHz

ELEVATION

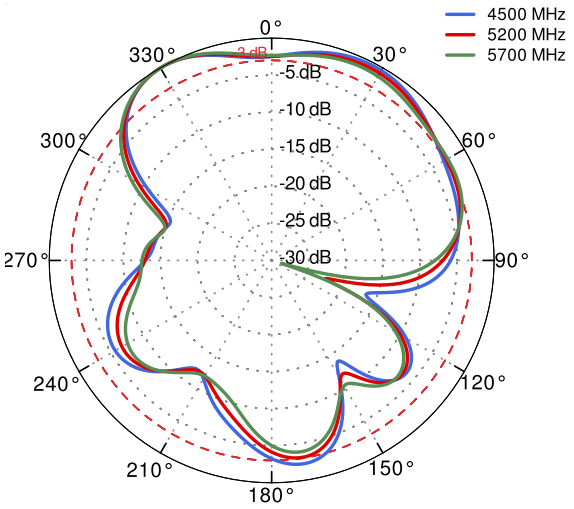


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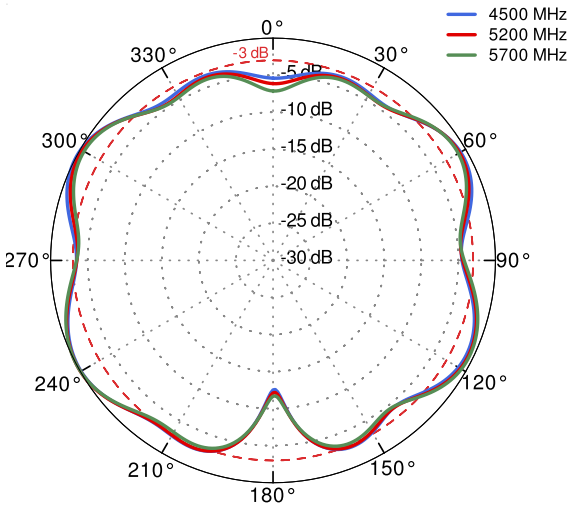


5G/LTE From 4500MHz to 5500MHz

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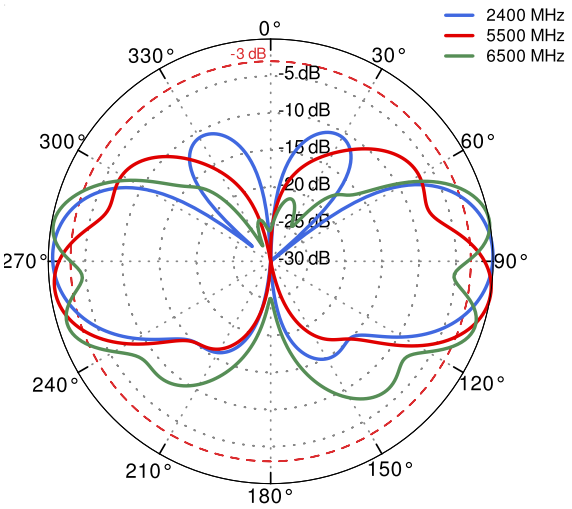
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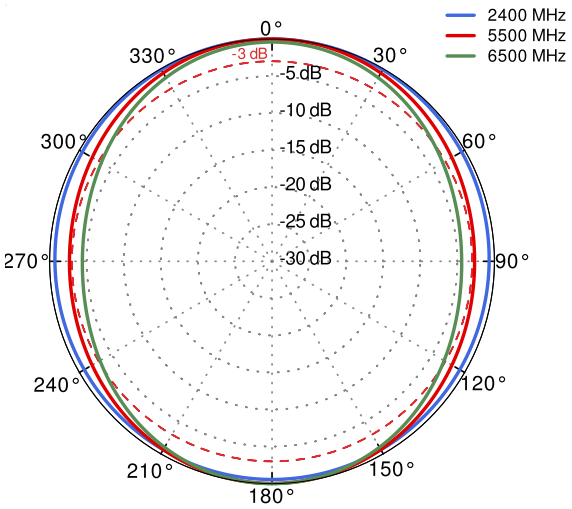
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Wi-Fi 2.4 GHz and 5 GHz

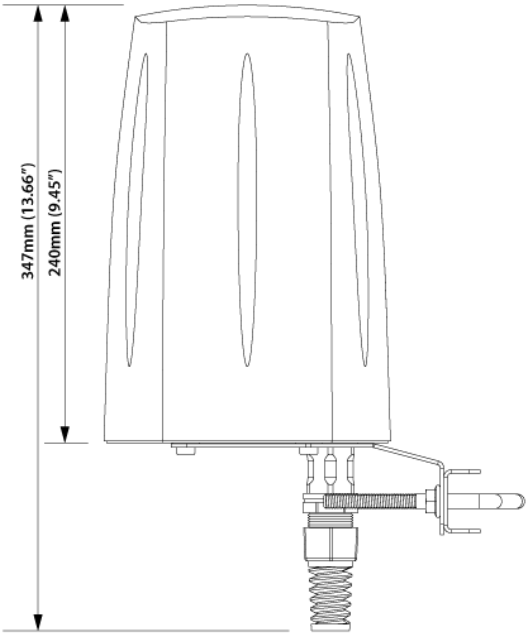
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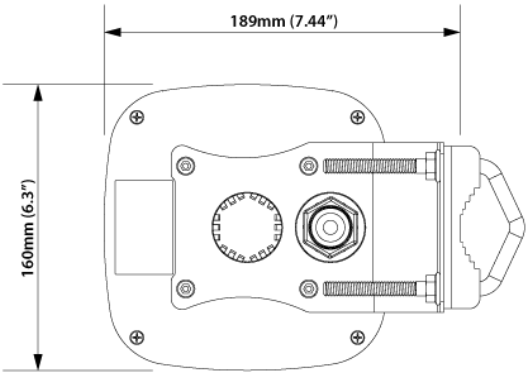


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DIMENSIONS





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