QuSpot for Teltonika RUTX50 2xRJ45 1xQuPS2

INTEGRATED MULTI-BAND LTE & 5G OMNI ANTENNA + WI-FI OMNI ANTENNA + GPS ACTIVE ANTENNA + PLACE TO INSTALL TELTONIKA RUTX50/RUTM51/RUTM54/RUTM55 (ALL-IN-ONE)

QuSpot for RUTX50/RUTM51/RUTM54/RUTM55 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 RUTX50, RUTM51, RUTM54, RUTM55 into a single IP67 enclosure. Such integration allows implementation of new outdoor 5G solutions.
QuSpot for RUTX50/RUTM51/RUTM54/RUTM55 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 | GPS | 617-6000MHz | 7 dBi | OMNI DIRECTIONAL | IP 67 | -40° TO +80° | BAND 71



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
CONNECTOR	4x SMA
CABLE TYPE	RG316

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WI-FI ANTENNA SPECIFICATION

FREQUENCY	2.4 - 2.5 GHz 4.7 - 6 GHz
MAX. 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	2x 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

RADOME MATERIAL	UV-resistant ASA
OPERATING HUMIDITY	up to 100% RH
MATERIALS	aluminum, PTFE
CONNECTOR	2 x RJ45 1 x QuPS2
INGRESS PROTECTION	IP67
DIMENSIONS	159 x 159 x 242 ± 10 mm 6.25 x 6.25 x 9.53 ± 0.39 inch
NET WEIGHT	1,43 ± 0.2 kg 3.15 ± 0.44 lbs
VENT AIR PERMEABILITY	> 1000ml/min @70mbar
OPERATING TEMPERATURE	From -40°C to 75°C From -40°F to 167°F
MAST DIAMETER	25-66 mm 0.98-2.60 inch
INCLUDED BRACKET WIND SURVIVAL	≤190 km/h
OPTIONAL BRACKET WIND SURVIVAL (2X U-BOLT)	≤220 km/h
ENCLOSURE RECOMMENDED TIGHTENING TORQUE	0.6 - 0.8 Nm

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FREQUENCY BANDS

LTE / 4G

600 MHz – 6350 MHz

1	2	3	4	5	6	7
8	9	10	12	13	14	17
18	19	20	22	23	24	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	107
111	252	253	254	255	256	

5G

600 MHz – 6350 MHz

n1	n2	n3	n5	n7	n8	n12
n13	n14	n18	n20	n24	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	n105	n106	n250	n251	n252
n253	n254	n255	n256			

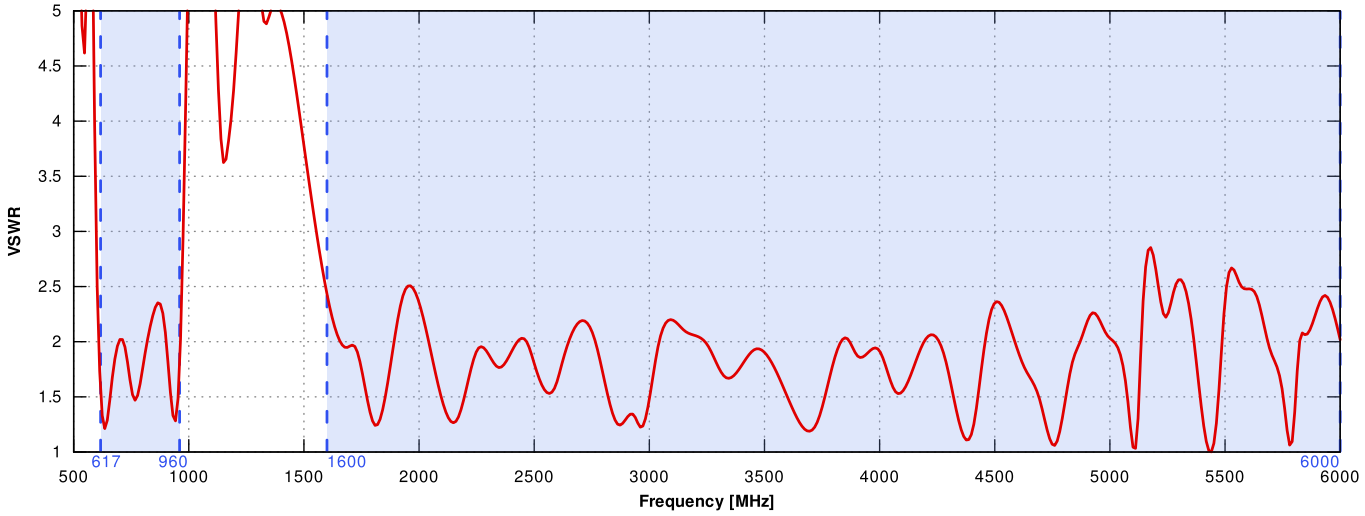
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COMPATIBLE ROUTERS

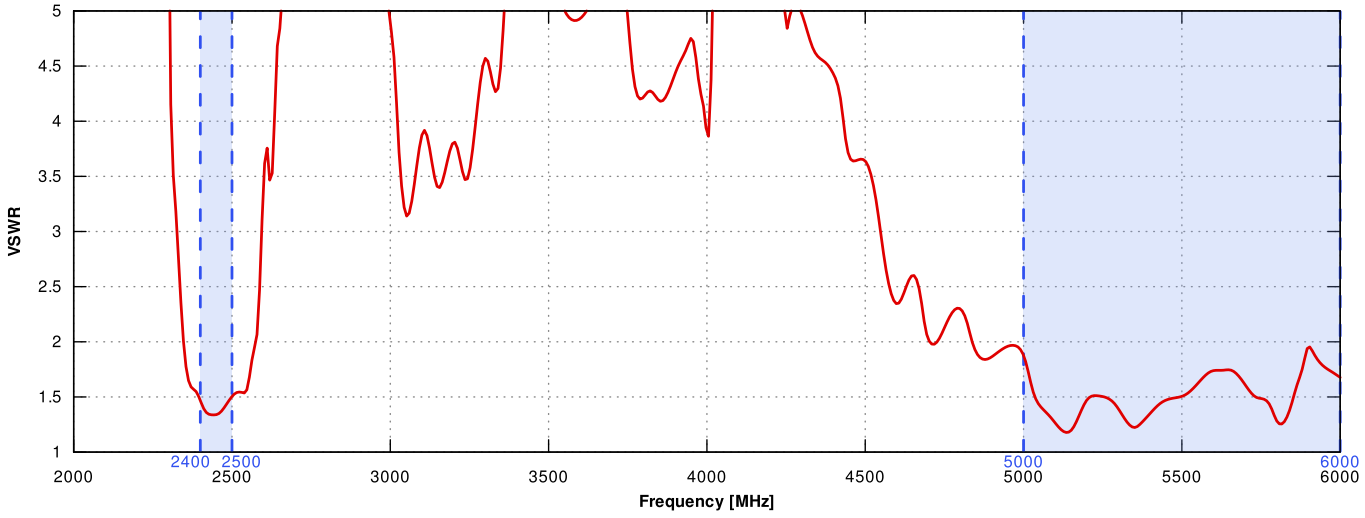
VARIANT: AX50S_T1

PLOTS

VSWR for 5G/LTE antenna

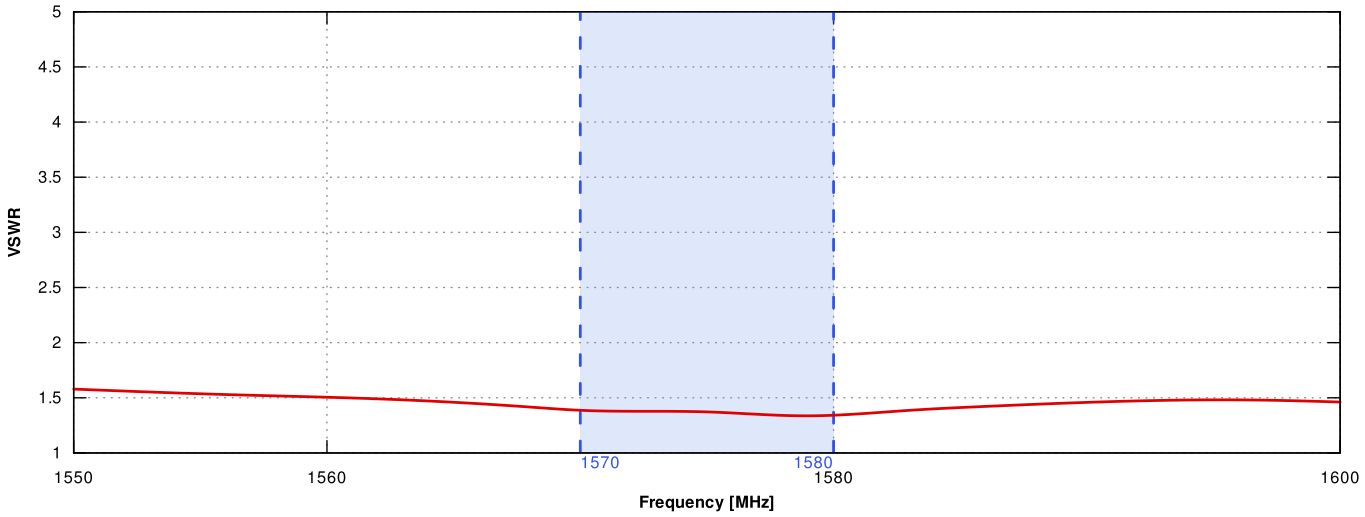


VSWR for Wi-Fi antenna

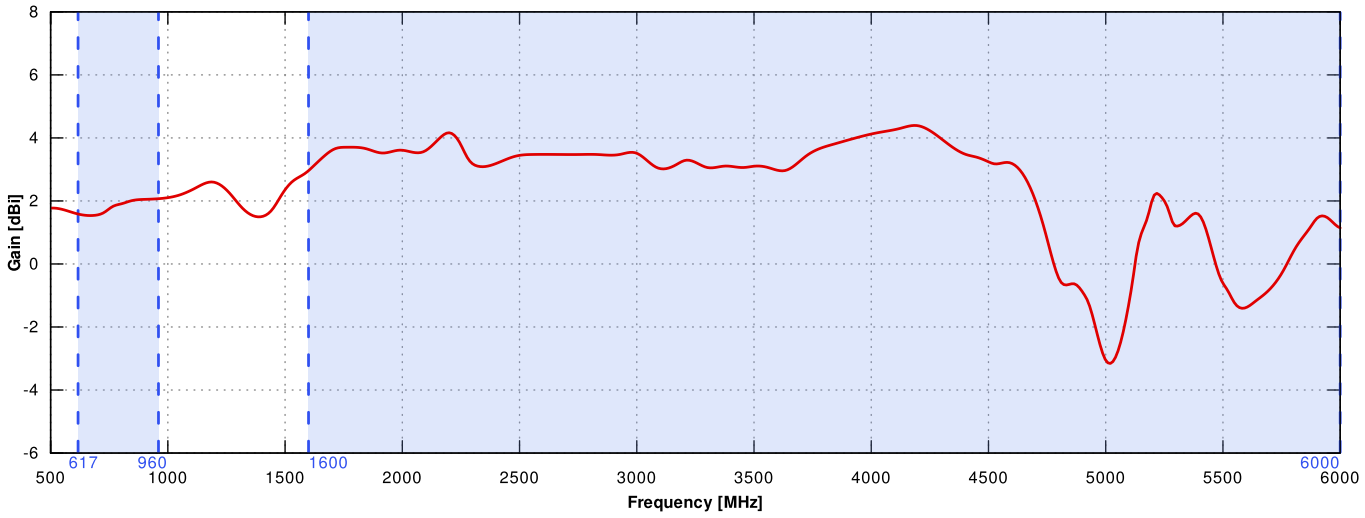


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VSWR for GPS antenna

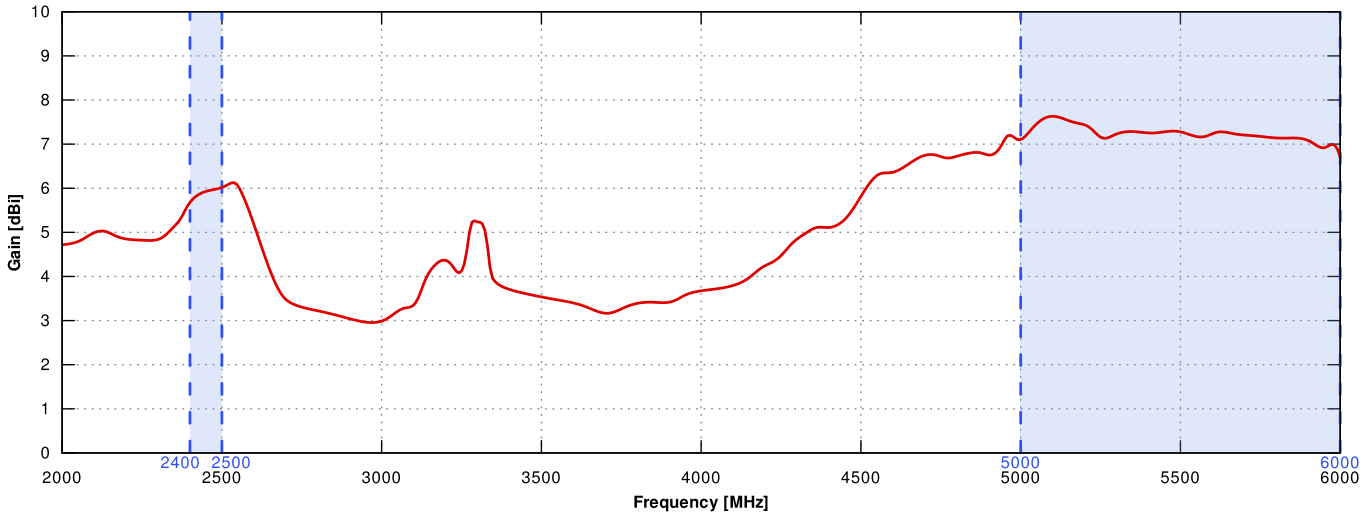


Gain for 5G/LTE antenna



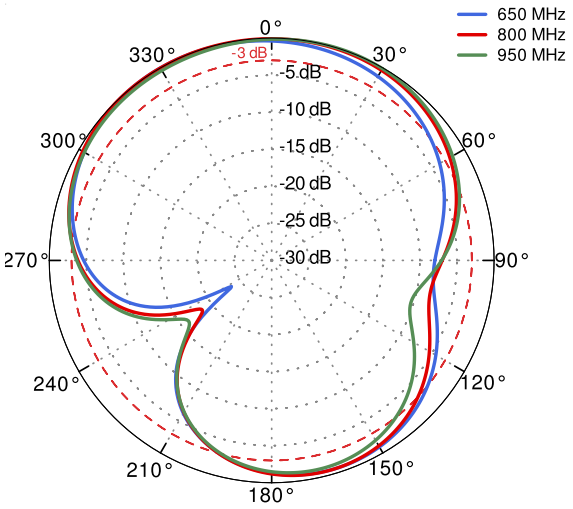
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Gain for Wi-Fi antenna

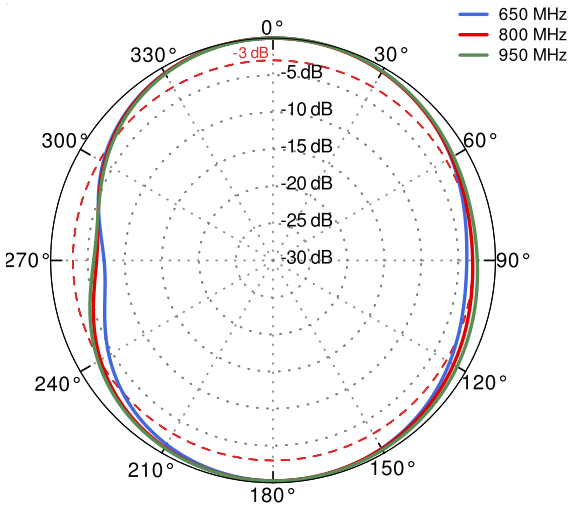


5G/LTE From 650MHz to 950MHz

ELEVATION



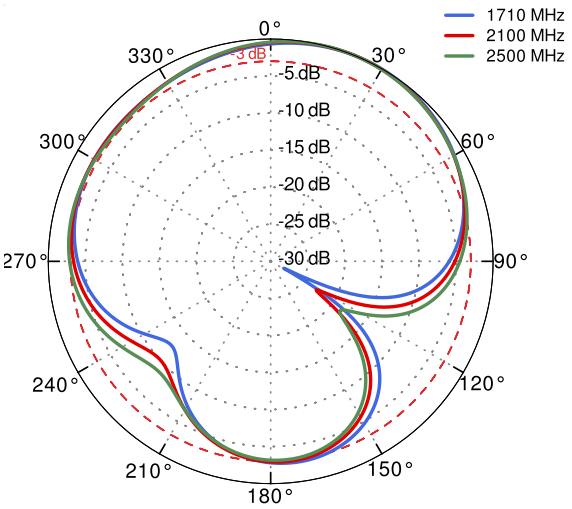
AZIMUTH



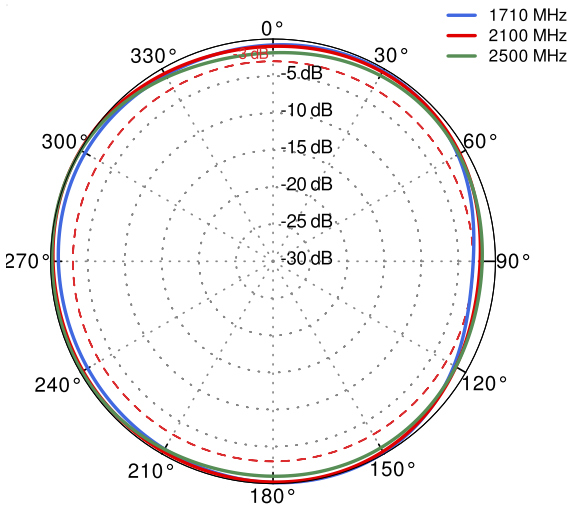
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5G/LTE From 1710MHz to 2500MHz

ELEVATION

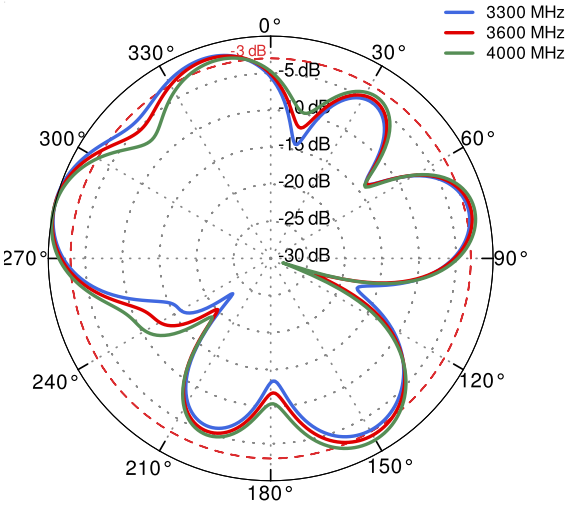


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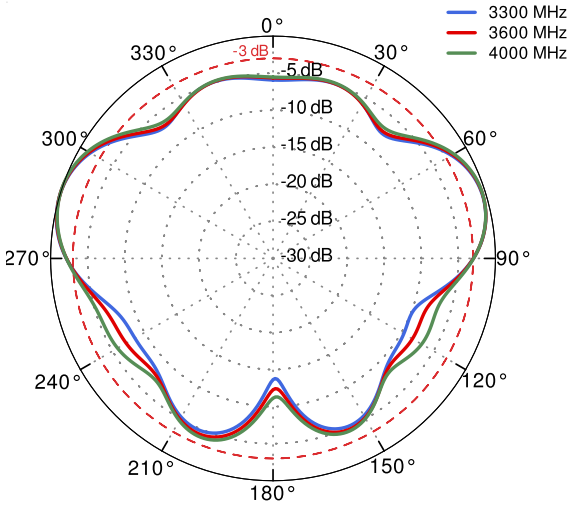


5G/LTE From 3300MHz to 4000MHz

ELEVATION



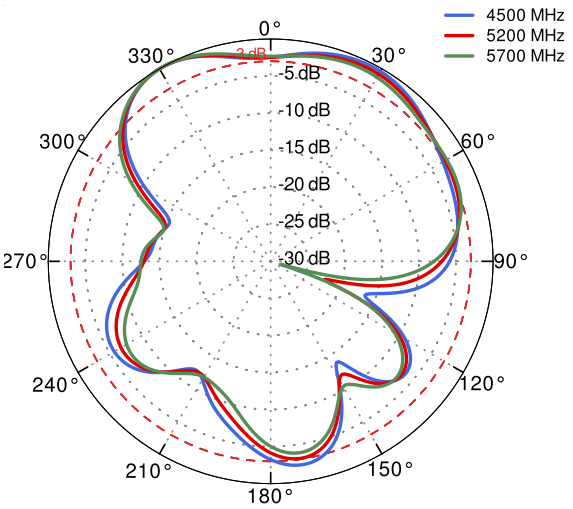
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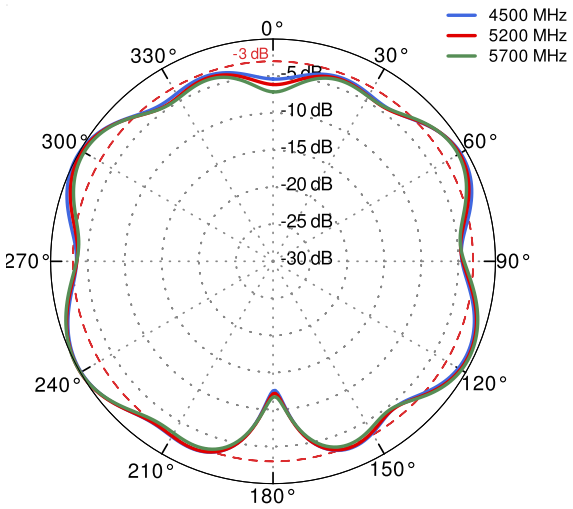
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5G/LTE From 4500MHz to 5500MHz

ELEVATION

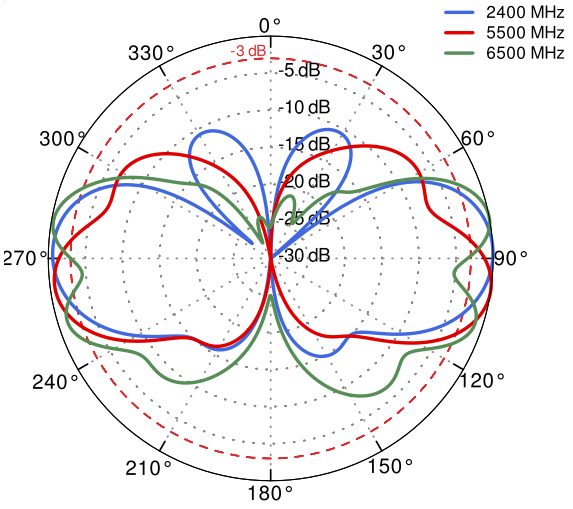


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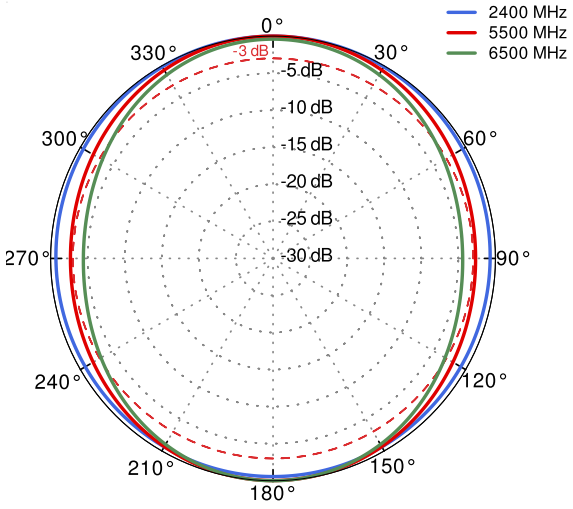


Wi-Fi 2.4 GHz and 5 GHz

ELEVATION



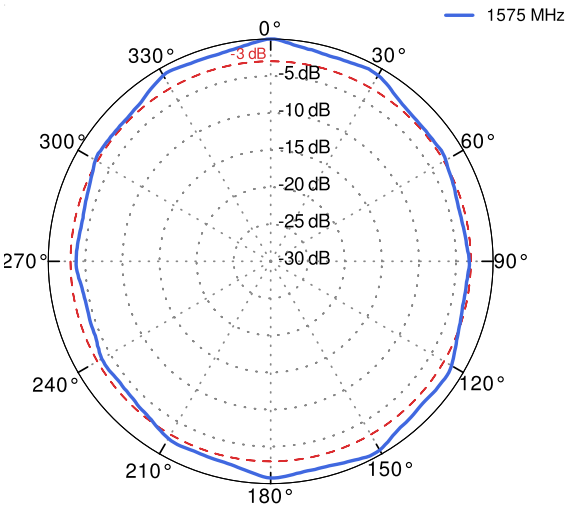
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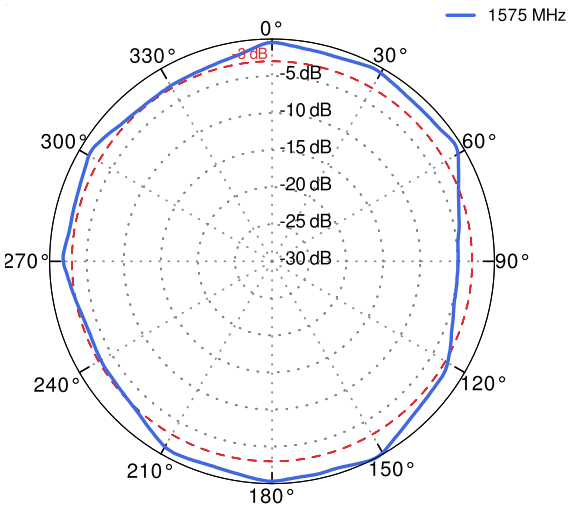
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GPS 1575MHz

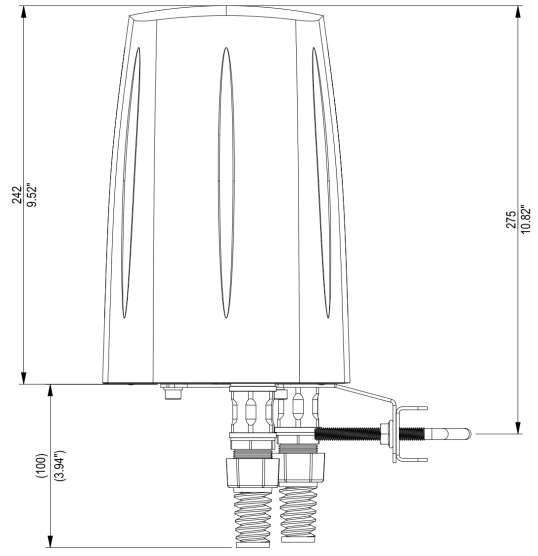
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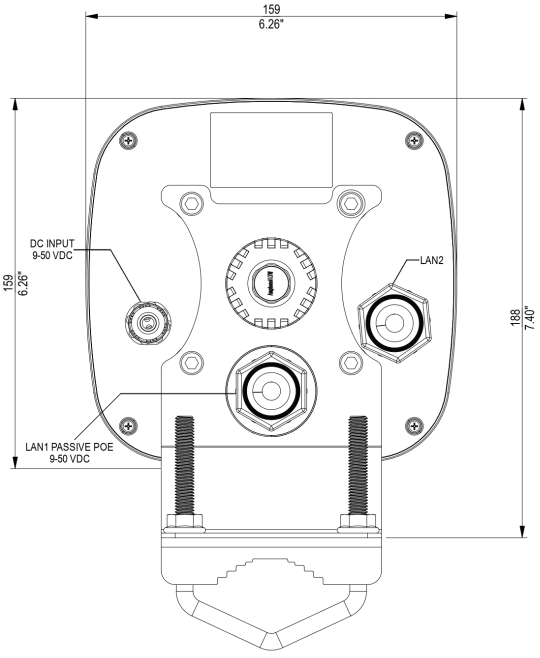


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