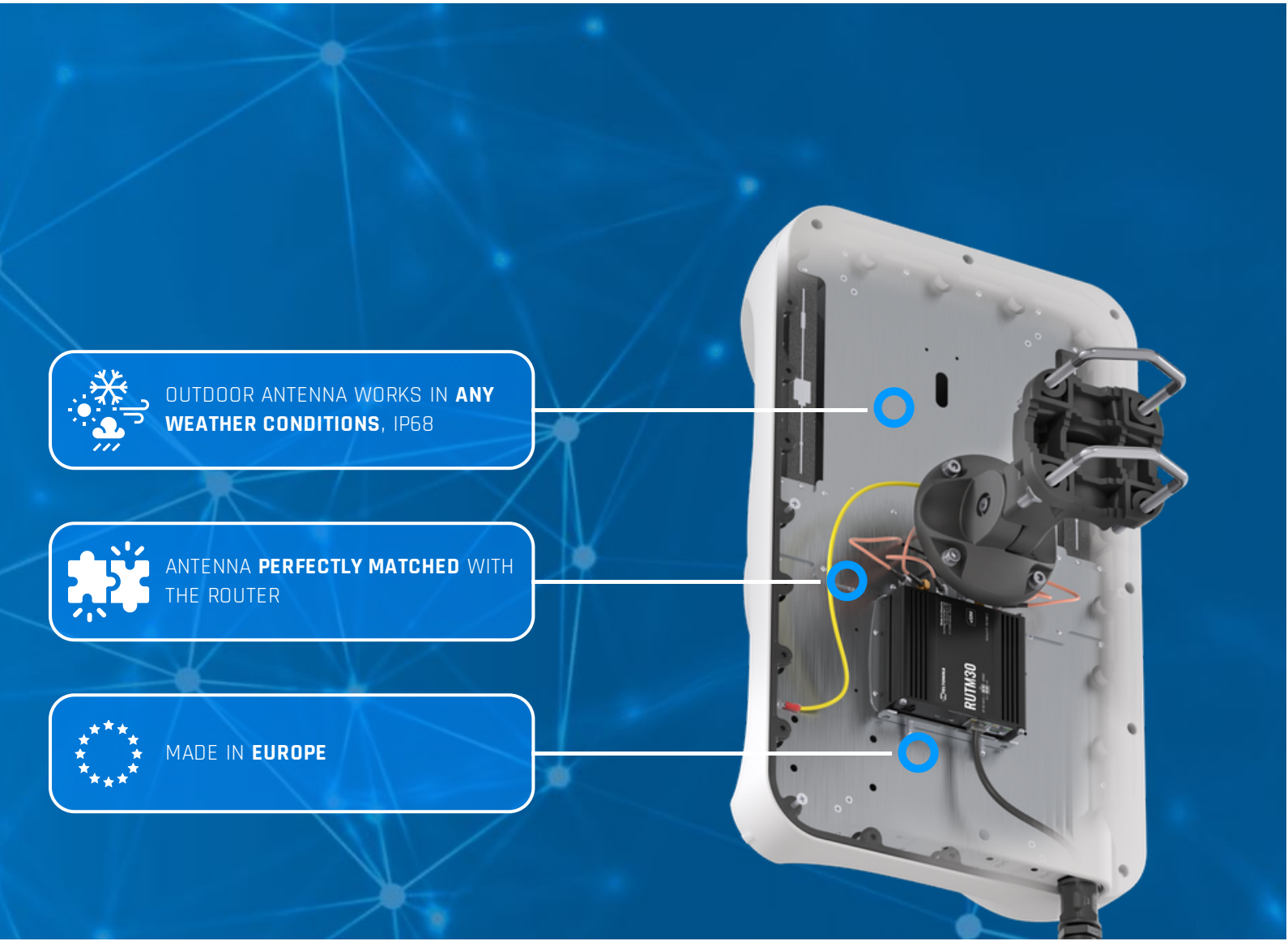
QuMax for Teltonika RUTM20/RUTM30/RUTM31

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

QuMax for Teltonika RUTM20/RUTM30/RUTM31 is a high performance directional antenna designed for use in a variety of wireless communication applications. This all-in-one product consists of multi-band 5G and Wi-Fi antennas, integrated in IP68 enclosure. It offers 8 dBi gain and wide beam width, which makes it suitable for use in both urban and rural environments.
Combining QuMax with RUTM20/RUTM30/RUTM31 inside the antenna housing gives you complete outdoor solution with mulitple use scenatios such as transportation public, energy, mining IoT and more.

5G | BAND 71 | Wi Fi 6E | 617-6500MHz | 8 dBi | DIRECTIONAL | IP 68 | -40° TO +80°



5G / LTE ANTENNA SPECIFICATION

FREQUENCY	0.617 - 1.0 GHz 1.0 - 3.08 GHz 3.3 - 5.0 GHz 5.0 - 6.5 GHz
MAX. GAIN	0.617 - 1.0 GHz : 6 dBi 1.0 - 3.08 GHz : 8 dBi 3.3 - 5.0 GHz : 6.8 dBi 5.0 - 6.5 GHz : 5.5 dBi
SUPPORTED LTE BANDS	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 65, 66, 67, 68, 69, 70, 71, 74, 75, 76, 85, 103, 106, 111, 252, 253, 254, 255, 256
SUPPORTED 5G BANDS	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, n50, n51, n53, n54, n65, n66, n67, n68, n70, n71, n74, n75, n76, n77, n78, n79, n80, n81, n82, n83, n84, n85, n86, n89, n90, n91, n92, n93, n94, n95, n97, n98, n99, n100, n101, n102, n106, n109, n110, n250, n251, n252, n253, n254, n255, n256
VSWR	<2.00, max <3.00
BEAMWIDTH	80°/80° ±15°
POLARIZATION	X (+-45degrees)
IMPEDANCE	50 Ω

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WI-FI ANTENNA SPECIFICATION

FREQUENCY	2.40 - 2.50 GHz 5.0 - 7.125 GHz
MAX. GAIN	2.40 - 2.50 GHz : 6 dBi 5.0 - 7.125 GHz : 7.5 dBi
VSWR	<1.70, 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, Fiberglass
CONNECTOR TYPE	RJ45
INGRESS PROTECTION	IP68
DIMENSIONS	486.0 x 292.2 x 105.6 mm 19.13 x 11.50 x 4.16 inch
WEIGHT	2.8 kg 6.17 lbs
OPERATING TEMPERATURE	From -40°C to 80°C From -40°F to 176°F

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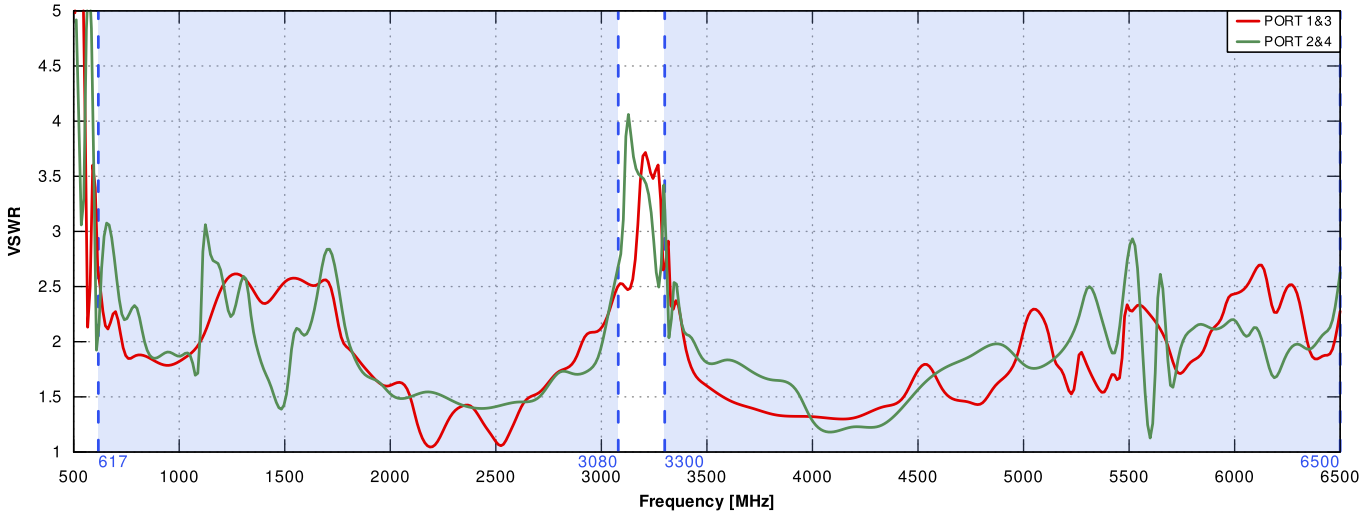
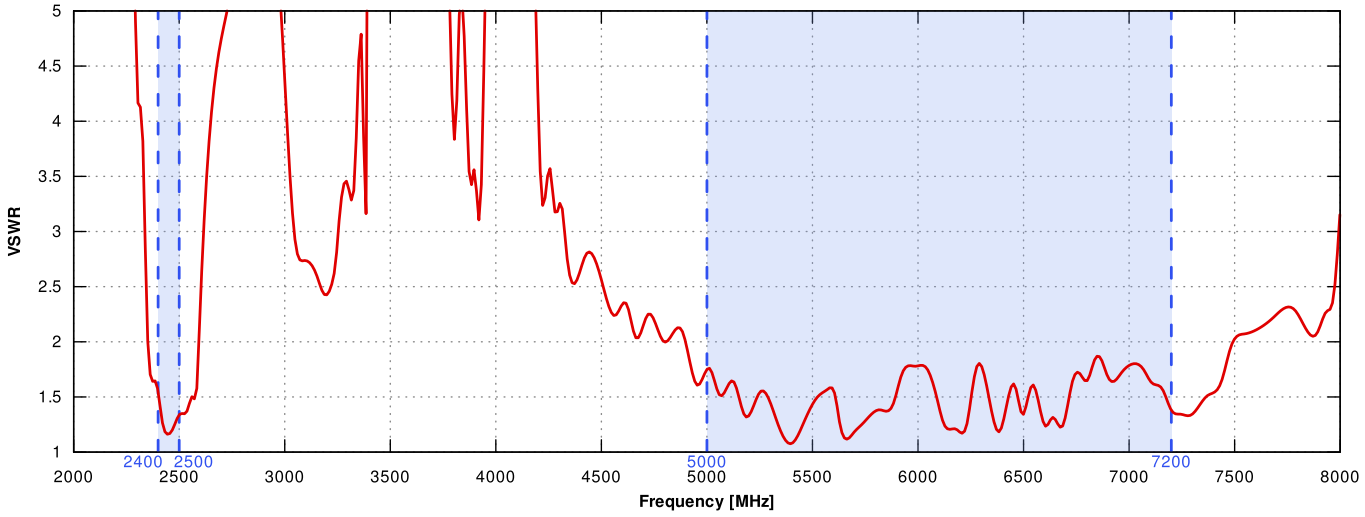
ENCLOSURE RECOMMENDED TIGHTENING TORQUE	0.6 - 0.8 Nm
MAST DIAMETER	25-66mm 0.98-2.60 inch

PLOTS

VSWR for 5G/LTE antenna



VSWR for Wi-Fi antenna



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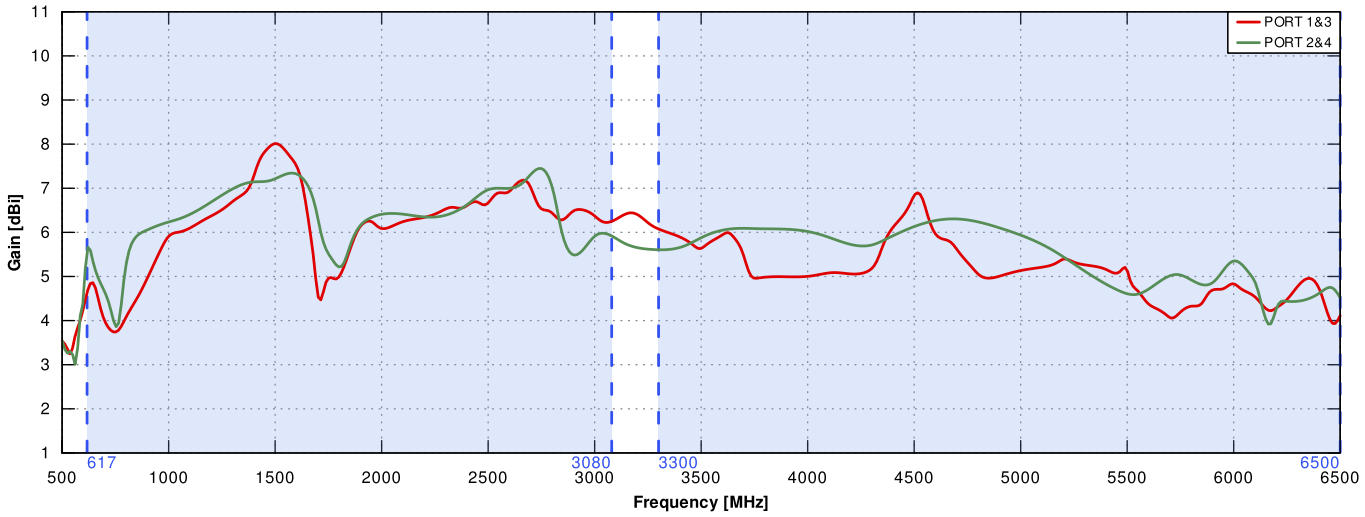
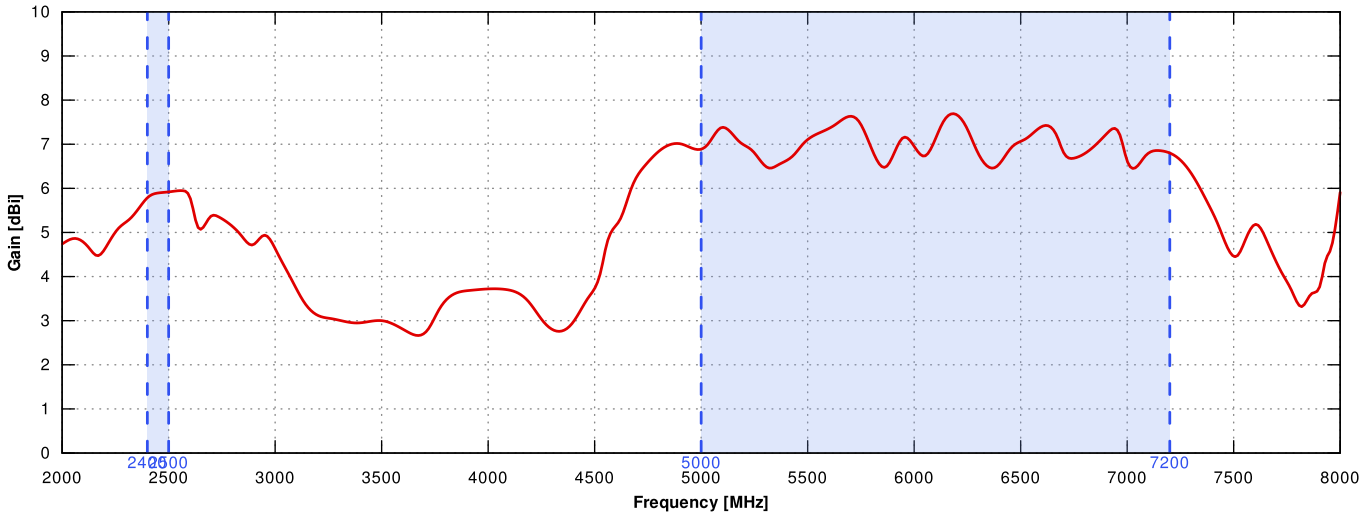
Gain for 5G/LTE antenna



Gain for Wi-Fi antenna



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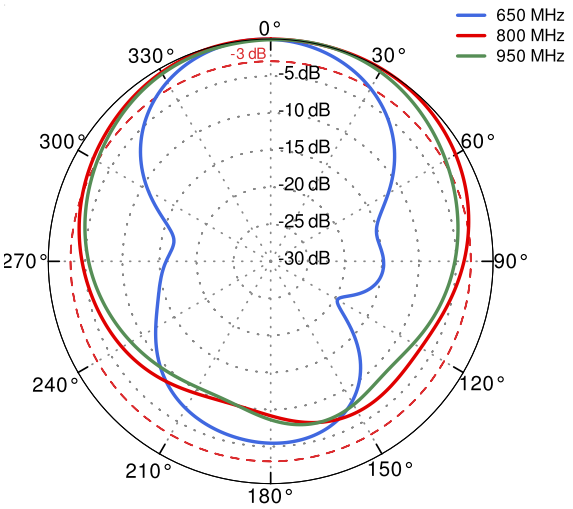
PORT 1&3 - 5G/LTE from 650MHz to 950MHz

ELEVATION



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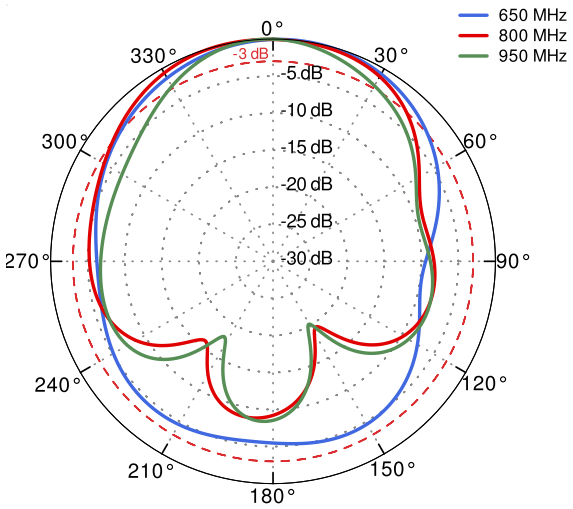
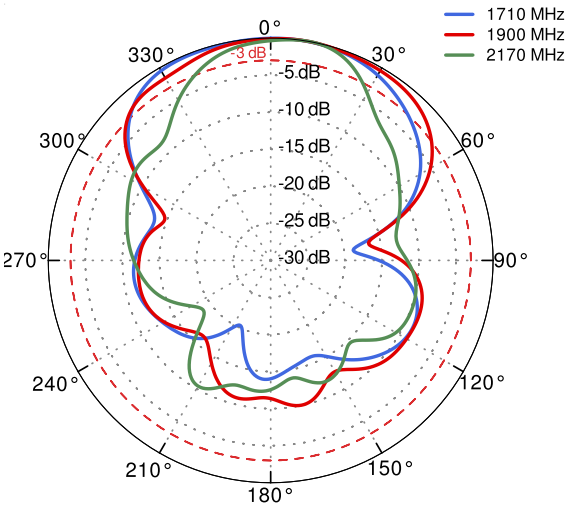


PORT 1&3 - 5G/LTE from 1.71GHz to 2.17GHz

ELEVATION



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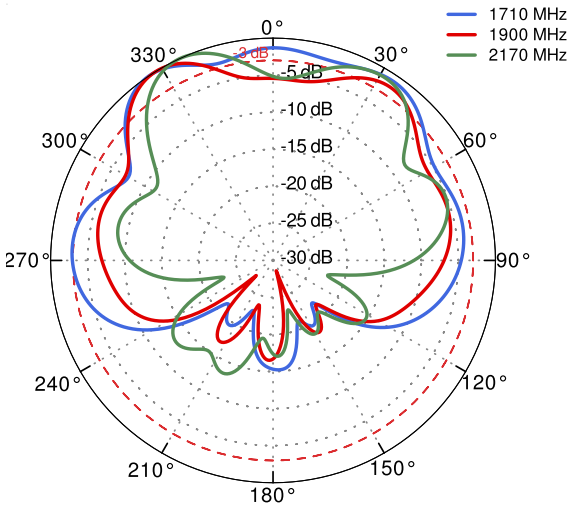

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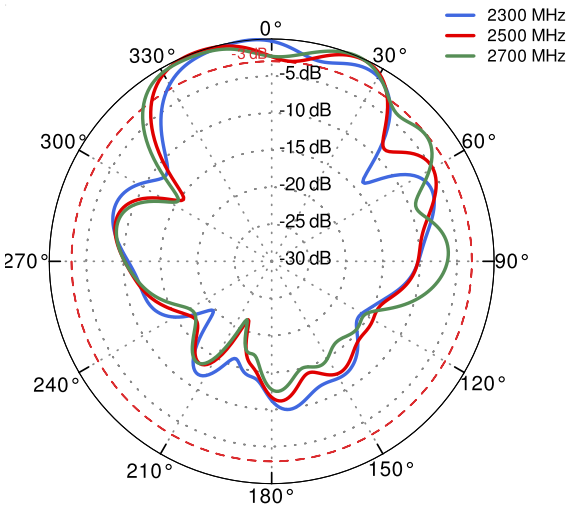
PORT 1&3 - 5G/LTE from 2.3GHz to 2.7GHz

ELEVATION



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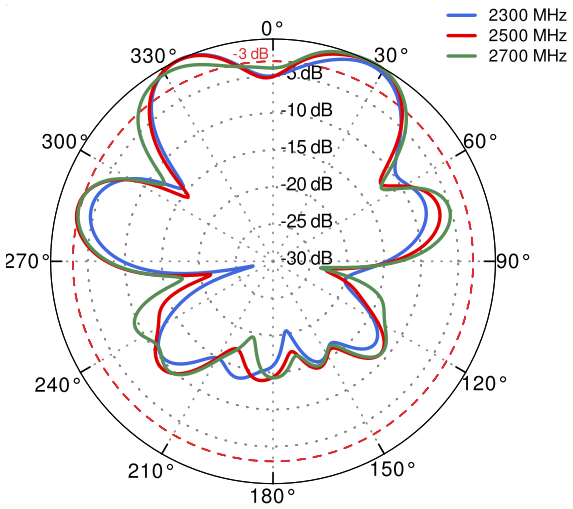
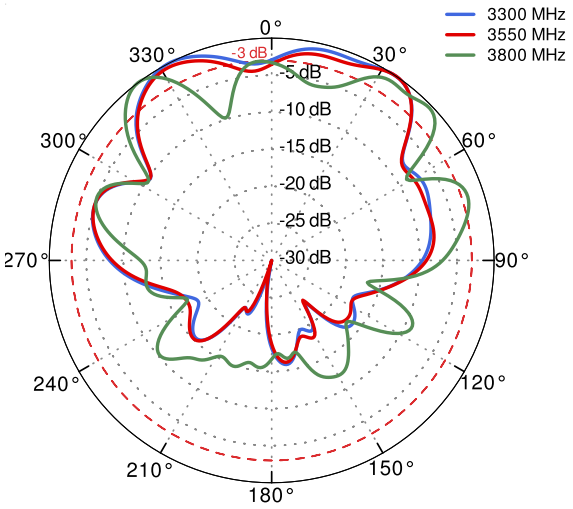


PORT 1&3 - 5G/LTE from 3.3GHz to 3.8GHz

ELEVATION



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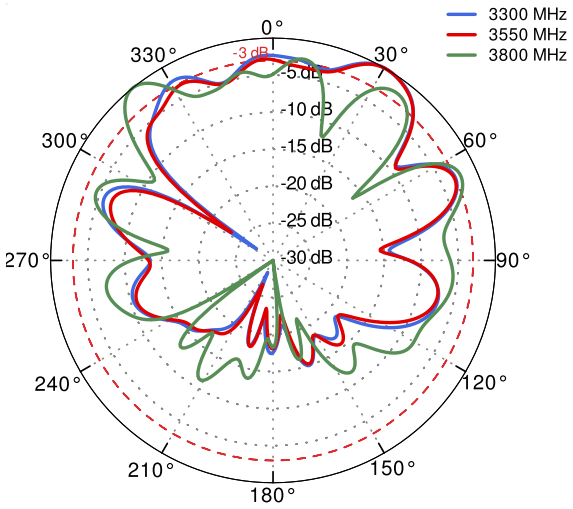

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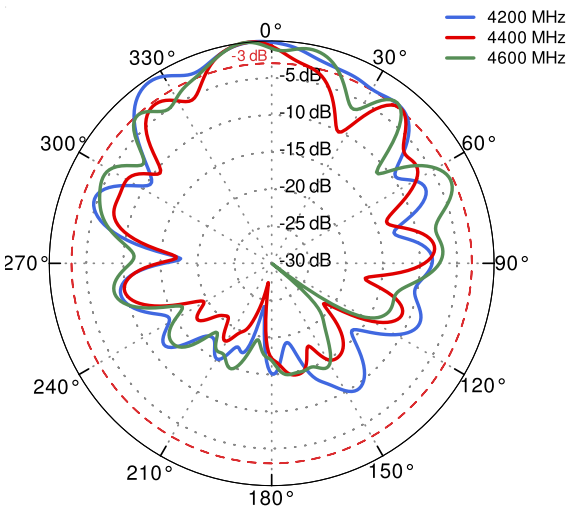
PORT 1&3 - 5G/LTE from 4.2GHz to 4.6GHz

ELEVATION



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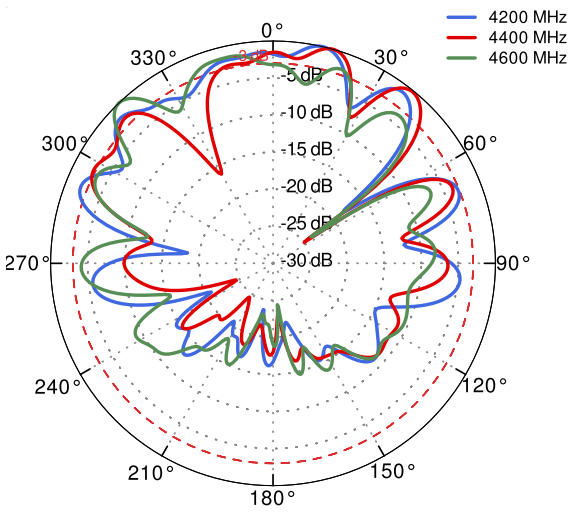
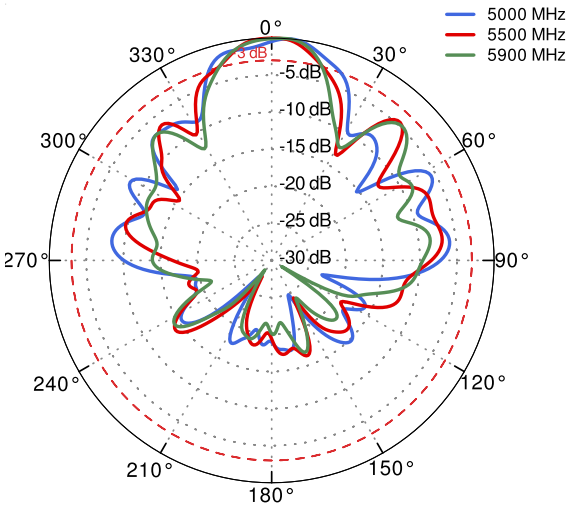


PORT 1&3 - 5G/LTE from 5.0GHz to 5.9GHz

ELEVATION



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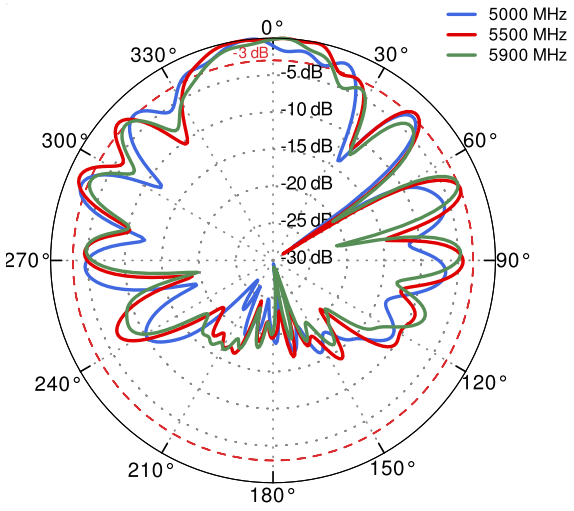

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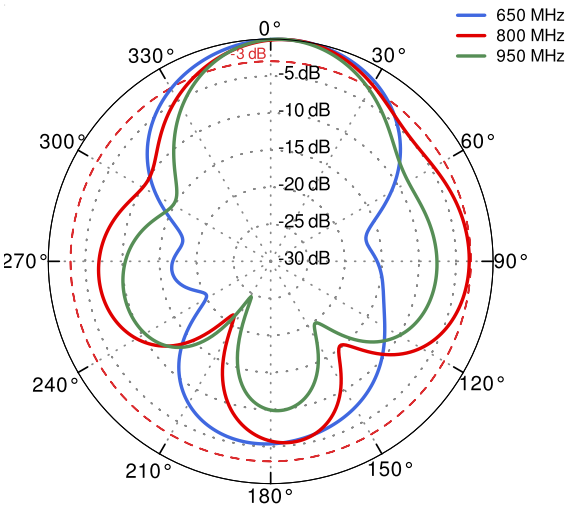
PORT 2&4 - 5G/LTE from 650MHz to 950MHz

ELEVATION



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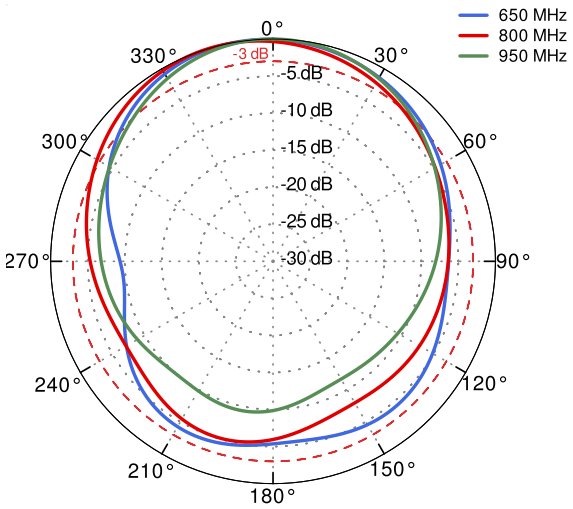
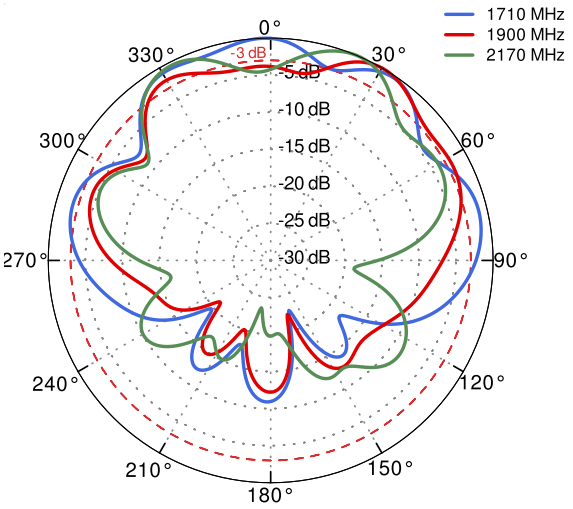


PORT 2&4 - 5G/LTE from 1.71GHz to 2.17GHz

ELEVATION



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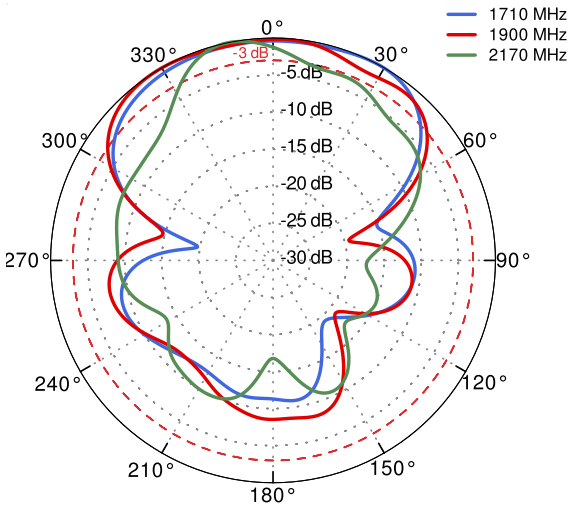

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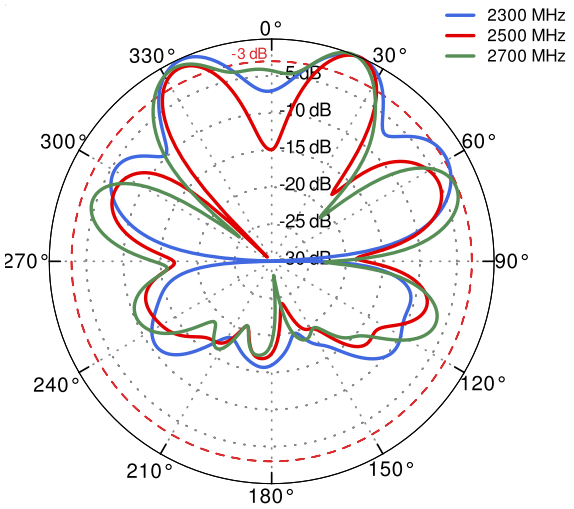
PORT 2&4 - 5G/LTE from 2.3GHz to 2.7GHz

ELEVATION



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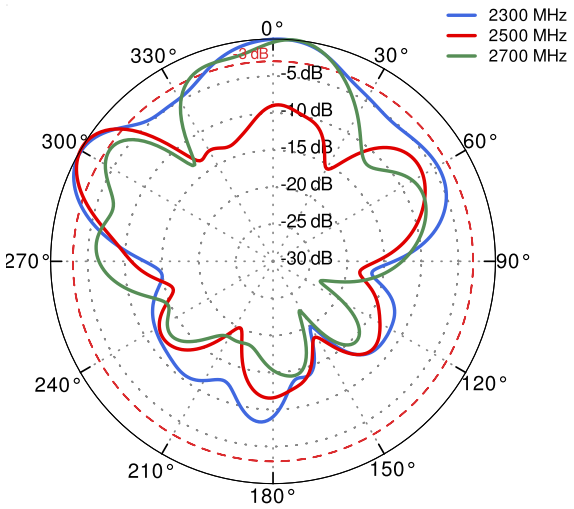
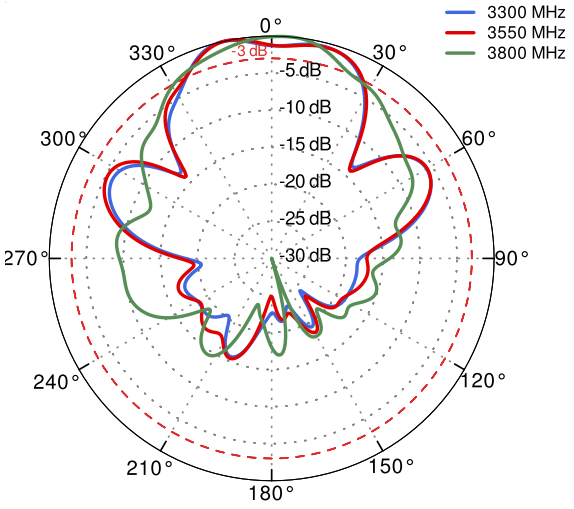


PORT 2&4 - 5G/LTE from 3.3GHz to 3.8GHz

ELEVATION



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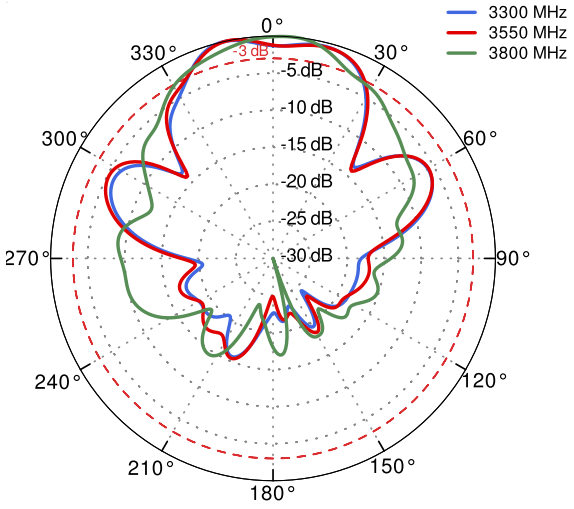

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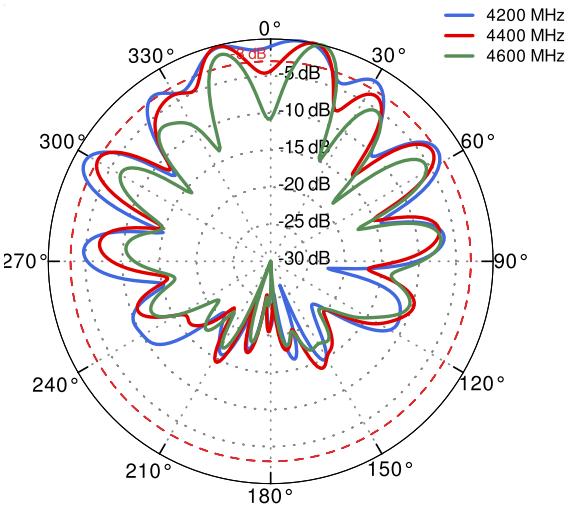
PORT 2&4 - 5G/LTE from 4.2GHz to 4.6GHz

ELEVATION



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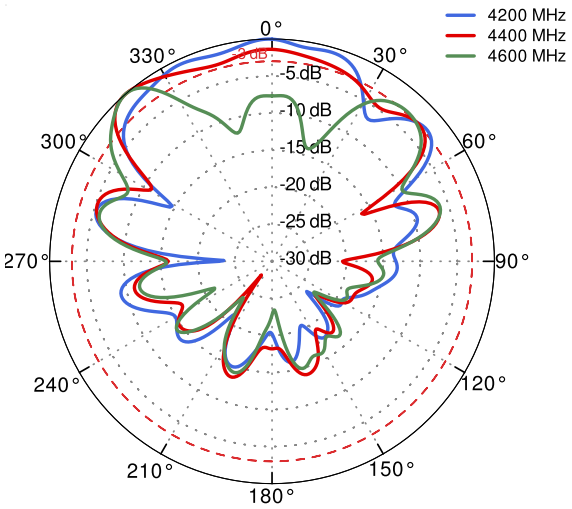

PORT 2&4 - 5G/LTE from 5.0GHz to 5.9GHz

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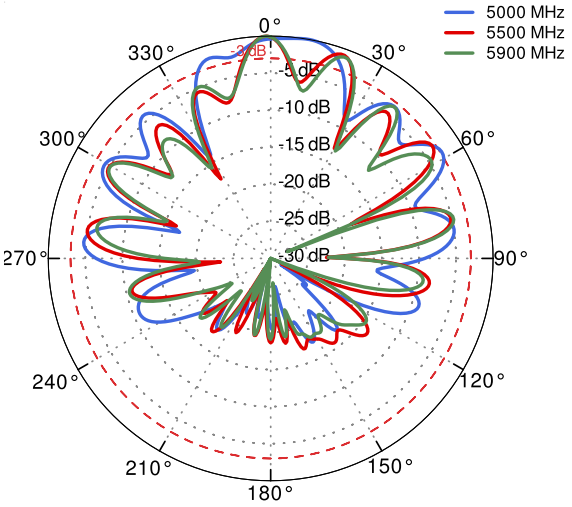

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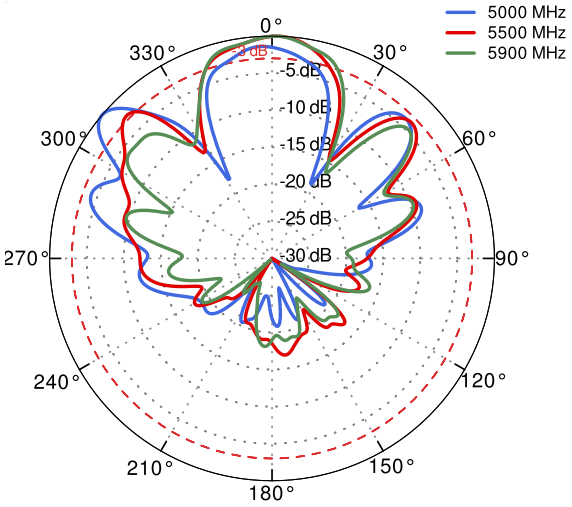

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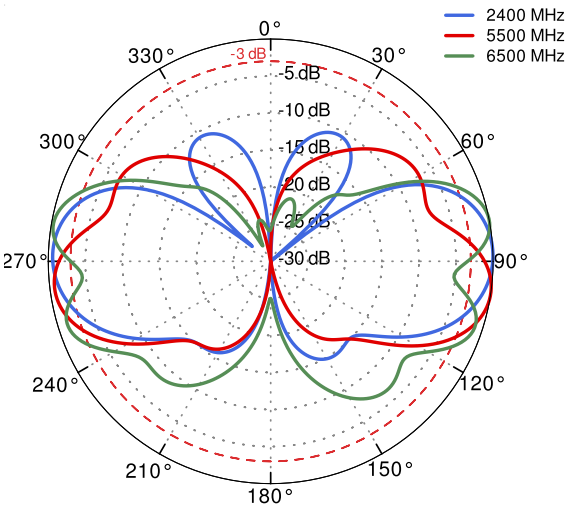
Wi-Fi 2.4GHz and 5GHz and 6GHz

ELEVATION



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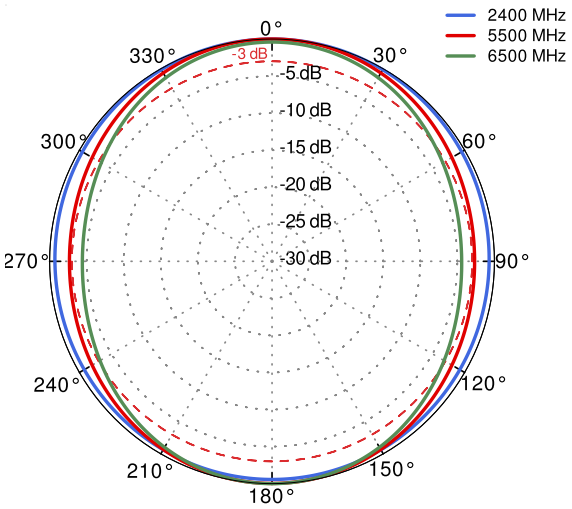

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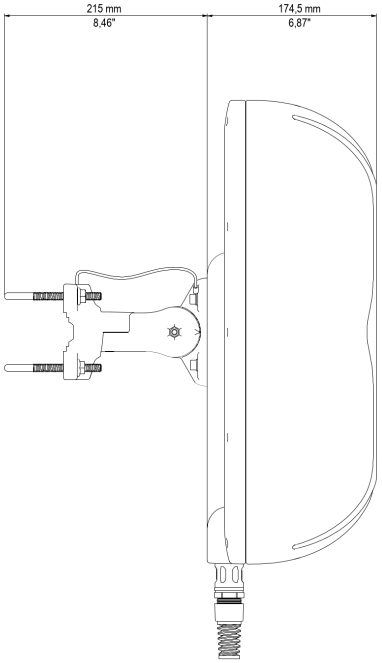

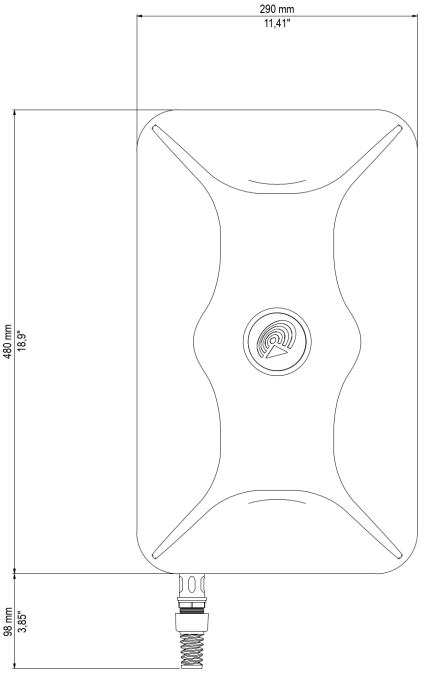

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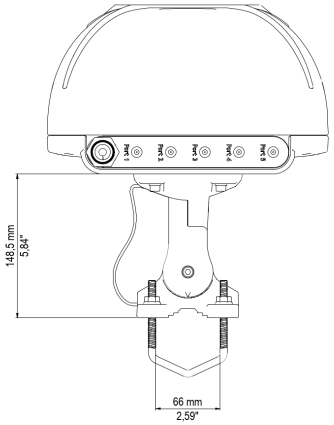

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