Industrial Gateway 5G/Wi-Fi/GNSS

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

Industrial Gateway dedicated to use with the Teltonika RUTC50/RUTX50 router is an efficient external industrial gateway for professional applications. Gateway has built-in omnidirectional 5G/LTE, Wi-Fi and GNSS antennas. The device can be powered from the AC power grid, as well as powered via PoE 802.3af (it can be powered from only one power source at the same time).
The gateway also has a built-in PoE 802.3af splitter/converter required for the RUTC50/RUTX50 router.
Made in Poland

5G | WiFi DUALBAND 2.4GHz 5GHz | GPS | 617-6000MHz | 7 dBi | OMNI DIRECTIONAL | IP 67 | -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
RADIATION	360° horizontal 25° ±5° vertical
POLARIZATION	Vertical
IMPEDANCE	50 Ω

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WI-FI ANTENNA SPECIFICATION

FREQUENCY	2.4 - 2.5 GHz 5.0 - 7.125 GHz
GAIN	2.4 - 2.5 GHz : 6 dBi 5.0 - 7.125 GHz : 7.5 dBi
VSWR	<1.70, max <2.00
RADIATION	360° horizontal 25° ±5° vertical
POLARIZATION	Vertical
IMPEDANCE	50 Ω

AC POWER SUPPLY ELECTRICAL INPUT SPECIFICATION

INPUT VOLTAGE	88 ~ 264VAC
INPUT FREQUENCY	47 ~ 63Hz
INPUT CURRENT	0.7A/115VAC 0.4A/230VAC
INRUSH CURRENT	Max 15A
AC LEAKAGE CURRENT	<2mA / 240VAC
EFFICIENCY	85%
PRE-FUSE	pre-fuse 6A characteristic C
PROTECTION CLASS	Protection Class II DIN EN 61140 / DIN EN 62368-1

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EMC EMISSION	DIN EN 55032 / EN55022
EMC IMMUNITY	DIN EN 55035 / EN61000-4-2,3,4,5,6,8,11

POE IN SPECIFICATION

POE IN	802.3af active PoE (built-in dedicated converter/splitter from active PoE 802.3af to RUTC50/RUTX50 router)
ETHERNET PORTS	1x RJ-45 for PoE In/ethernet

MECHANICAL SPECIFICATION

MATERIALS	ABS, aluminum, PTFE
CONNECTOR TYPE	1x RJ-45 1x AC power socket Notes: 1. Unused plug connections are covered in accordance with protection standards (screw caps included) 2. All plug connections are protected against polarity reversal. 3. All plug connections are screwable
INGRESS PROTECTION	IP67
DIMENSIONS	207 x 207 x 260 mm 8.14 x 8.14 x 10.23 inch
WEIGHT	2.6 kg 5.73 lbs
OPERATING TEMPERATURE	From -40°C to 75°C From -40°F to 167°F
WIND LOAD	170 km/h
PRODUCT SAFETY & ENVIRONMENTAL	Complies with CE and RoHS standards

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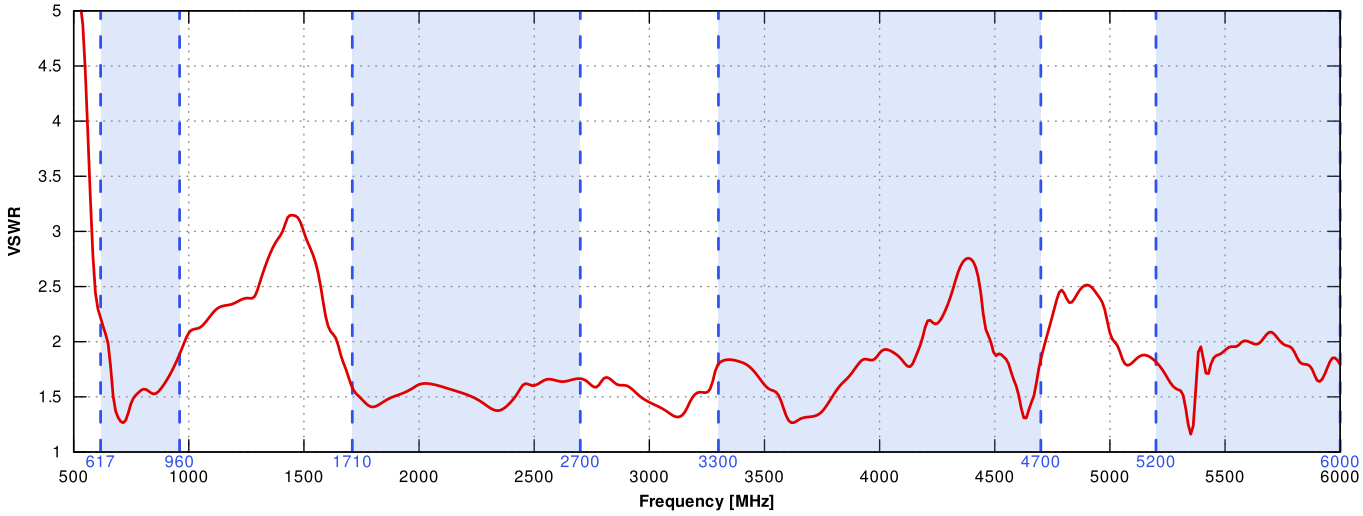
COMPATIBLE ROUTERS

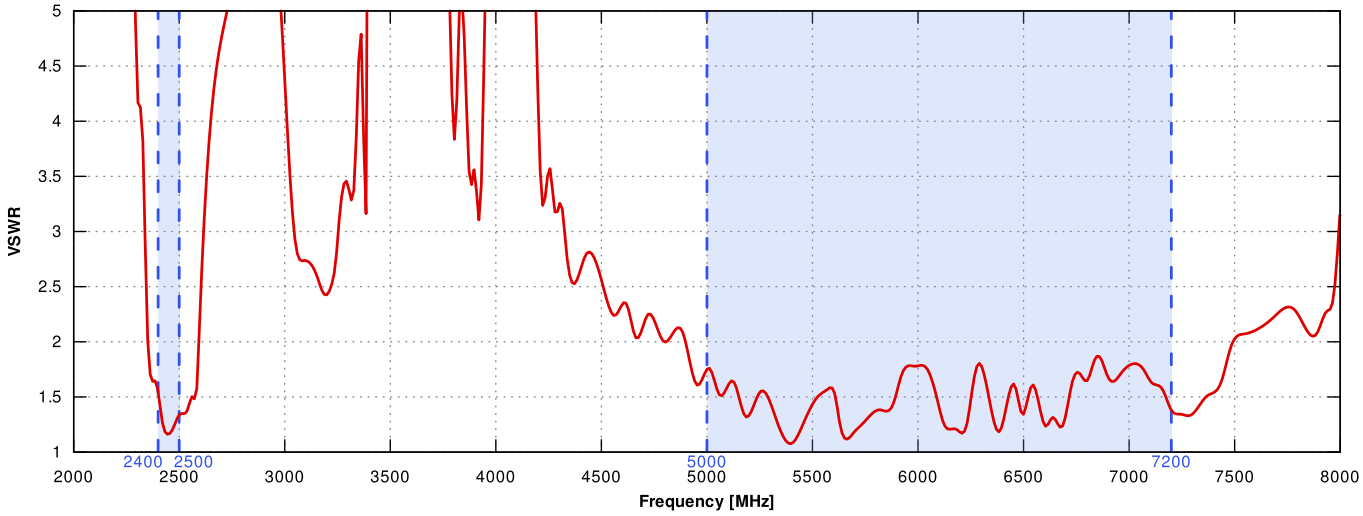
VARIANT: CX50PAC

PLOTS

VSWR for 5G/LTE antenna



VSWR for Wi-Fi antenna



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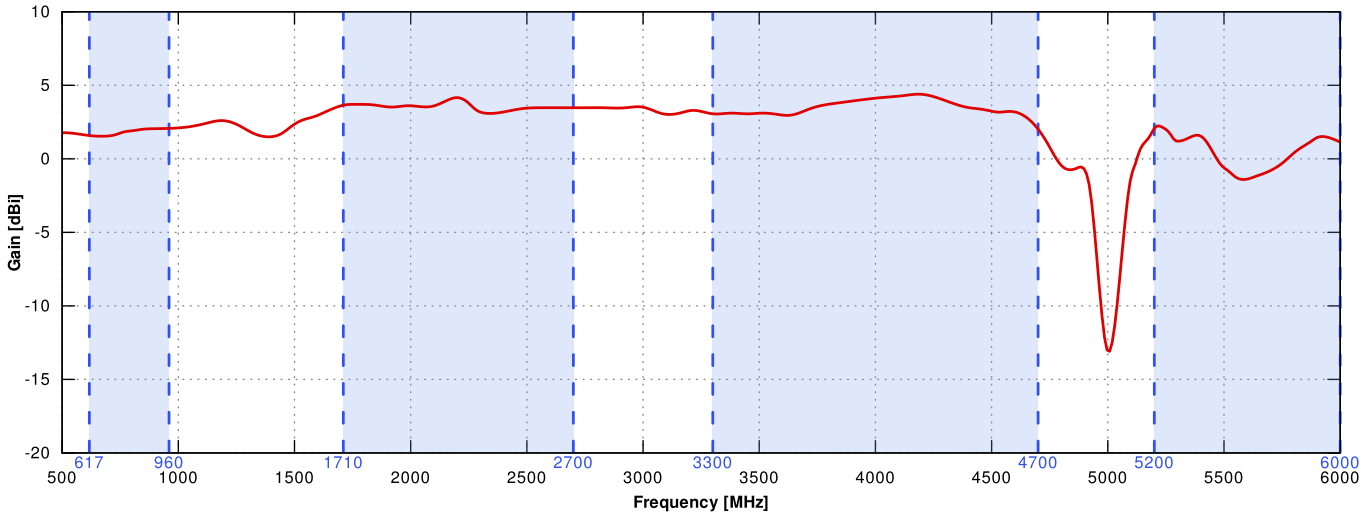
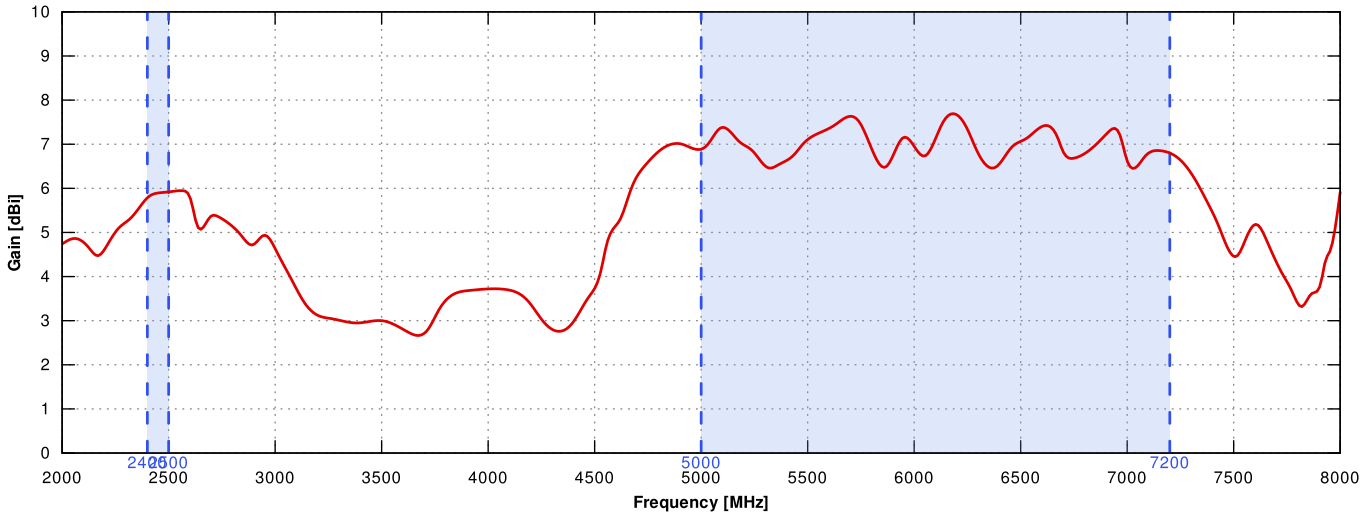
Gain for 5G/LTE antenna



Gain for Wi-Fi antenna



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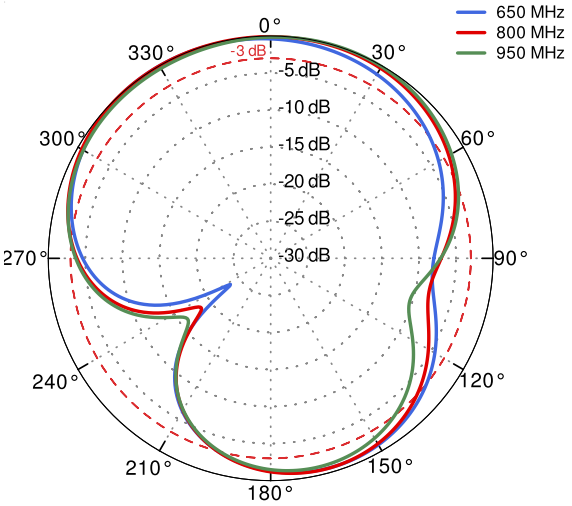
5G/LTE from 650MHz to 950MHz

ELEVATION



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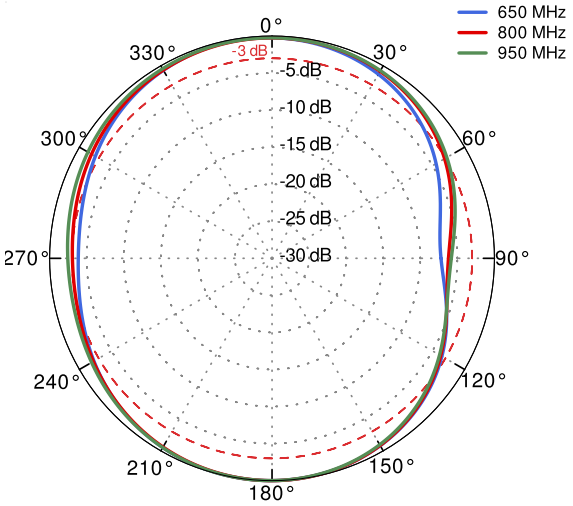
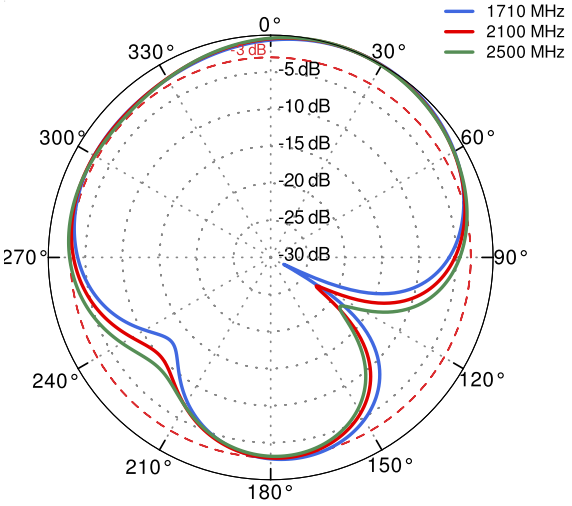


5G/LTE from 1.71GHz to 2.5GHz

ELEVATION



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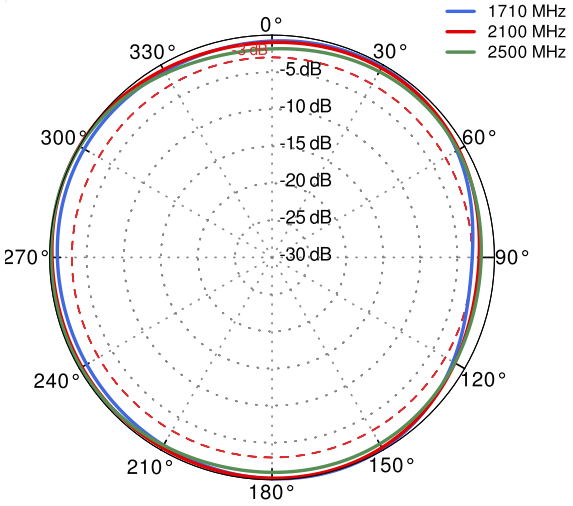

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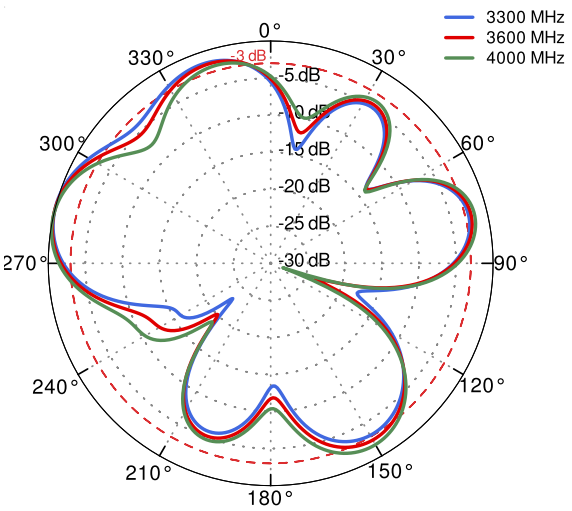
5G/LTE from 3.3GHz to 4.0GHz

ELEVATION



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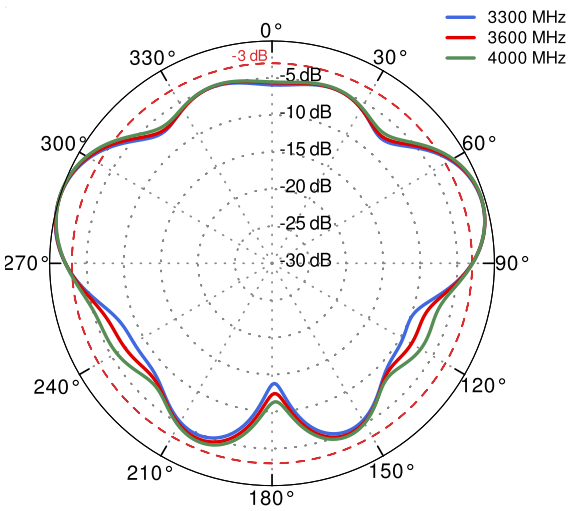
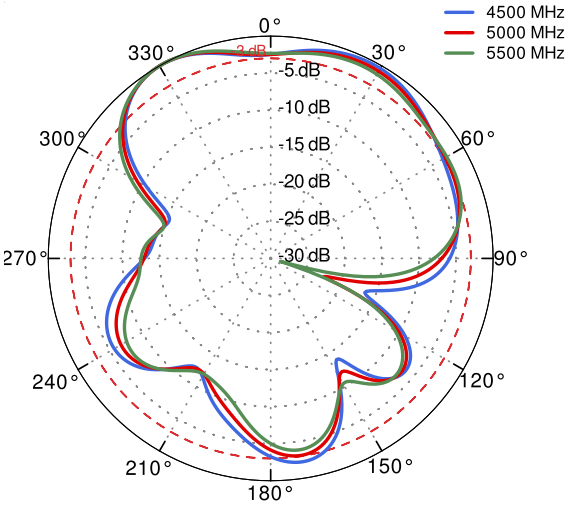


5G/LTE from 4.5GHz to 5.5GHz

ELEVATION



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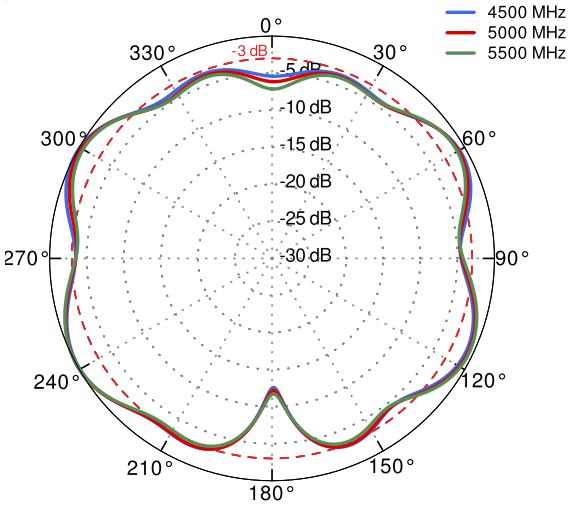

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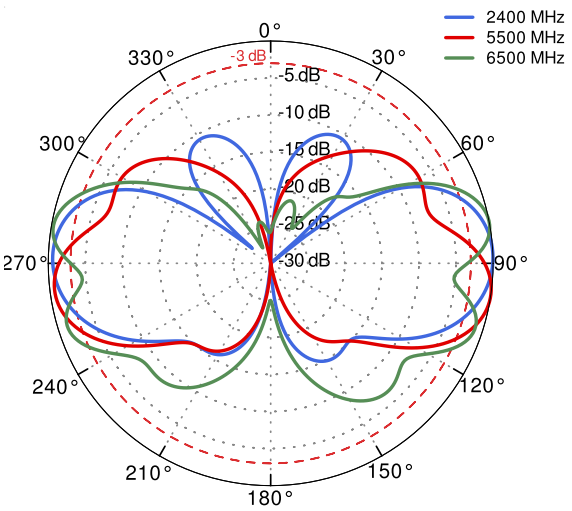
Wi-Fi 2.4 GHz and 5 GHz

ELEVATION



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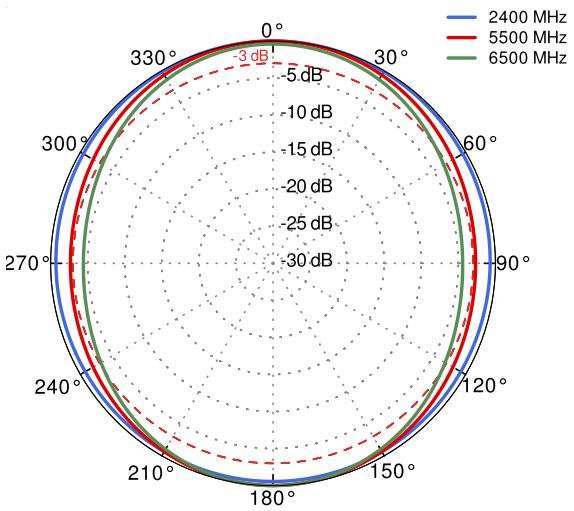

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