

# OUTDOOR LTE & 5G/WI-FI/GPS ANTENNA FOR RUTX50 AND RUTM50 ROUTERS



## Mechanical/Environmental

Cable	6x RG316, 1x RG174
Operating Temperature	-40 °C to 75 °C
Operating environment	This antenna is designed for stationary installations only and should not be used on moving objects or in high-vibration environments
Mounting Method	Wall, ceiling, mast
IP rating	IP68
Weight	1500 g
RoHS compliant	✓

This antenna is compatible with the RUTC50, although Wi-Fi performance may be limited since the device is equipped with three Wi-Fi antenna connectors, and using only two of them can affect overall performance. When installing, make sure to attach the RUTC50 antenna connectors only to the left and right Wi-Fi connectors of the combo antenna, and do not connect anything to the middle connector

## 5G antenna

Frequency Range	617 ~ 960, 1700 ~ 2700, 3300 ~ 4300 MHz
Polarisation	Vertical
Radiation pattern type	Omnidirectional
Gain	Max 4.5 dBi
V.S.W.R	< 2.50
Impedance	50 Ω
Connector type and count	4x SMA male

**GNSS antenna**

Frequency Range	1560 ~ 1610 MHz
Polarisation	RHCP
Gain	28 dBi
V.S.W.R	< 2.00
Impedance	50 Ω
Connector type and count	1x SMA male
Current consumption	2.5 - 6.5 mA
Supply voltage	2.5 - 6.5 VDC

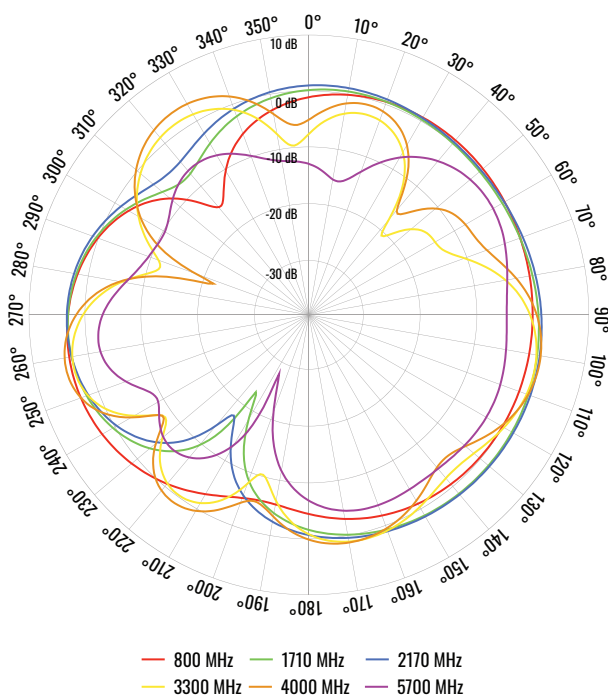
**Wi-Fi antenna**

Frequency range	2400 ~ 2500, 4700 ~ 6000 MHz
Polarization	Vertical
Radiation pattern type	Omnidirectional
Gain	Max 7.5 dBi
V.S.W.R	< 2.00
Impedance	50 Ω
Connector type and count	2x RP-SMA male

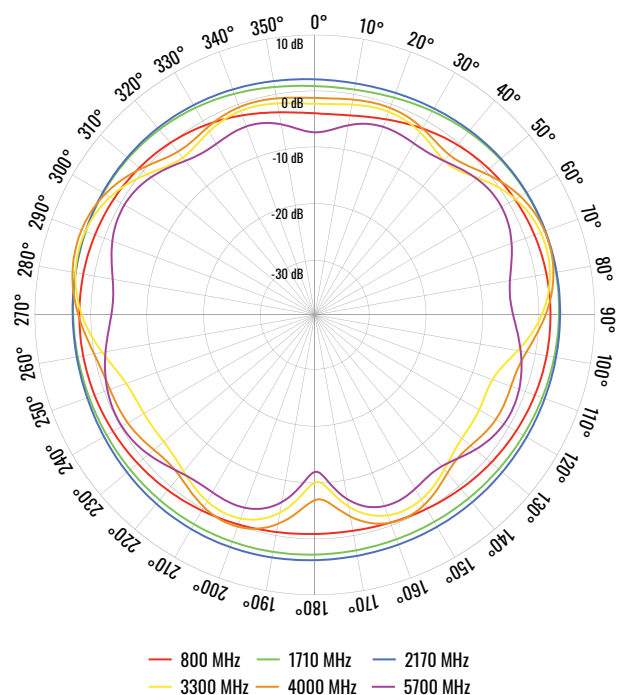
**Radiation patterns**

**5G - 1 Antenna**

**ELEVATION**



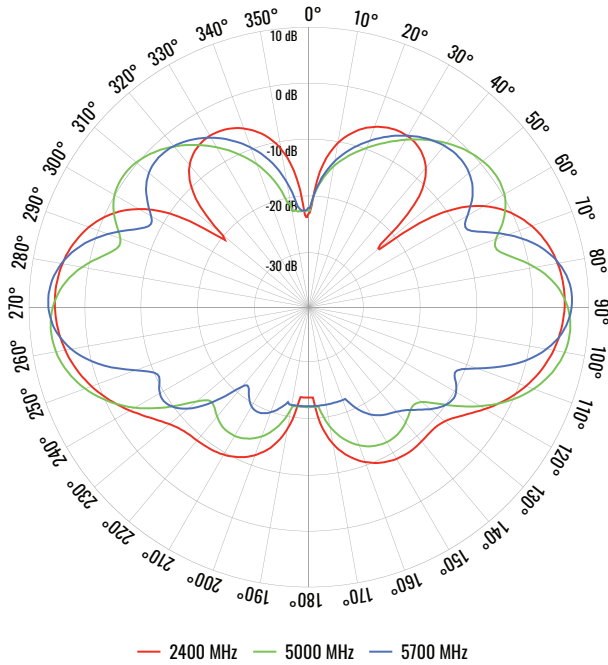
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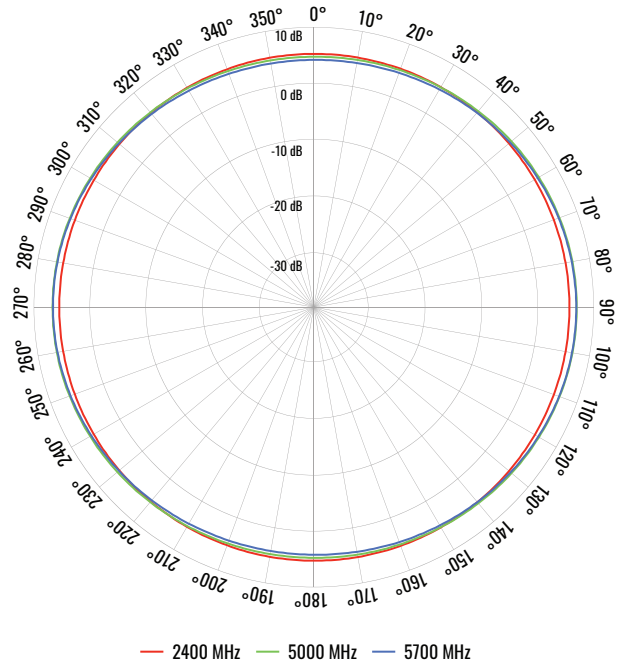
Radiation patterns

Wi-Fi - 1 Antenna

ELEVATION



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Spatial measurements

