

OUTDOOR LTE/WI-FI/GPS/BLUETOOTH ANTENNA FOR RUTX11 AND RUTM11 ROUTERS



Mechanical/Environmental

Cable	5x 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	✓

LTE 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	2x SMA male

BT antenna

Frequency Range	2200 ~ 2700 MHz
Polarisation	Vertical
Gain	2 dBi
V.S.W.R	< 2.00
Impedance	50 Ω
Connector type and count	1x RP-SMA male

The Bluetooth antenna is not utilised when used with the RUTM11

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

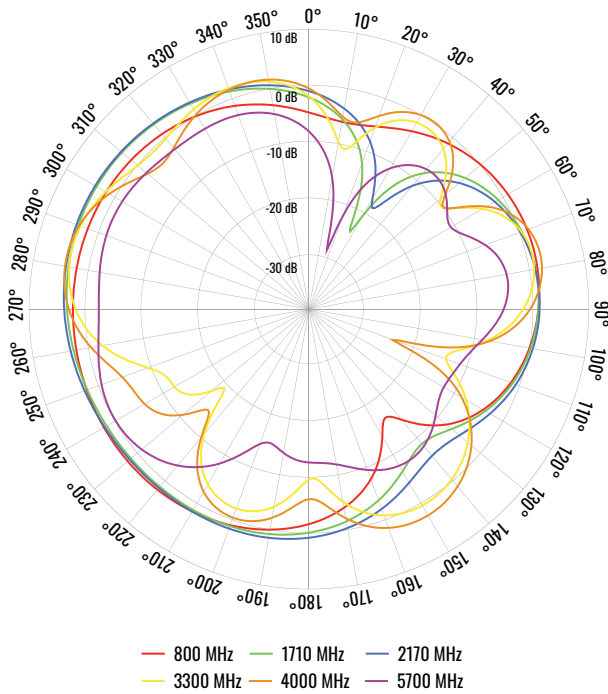
GNSS antenna

Frequency range	1560 ~ 1610 MHz
Polarization	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

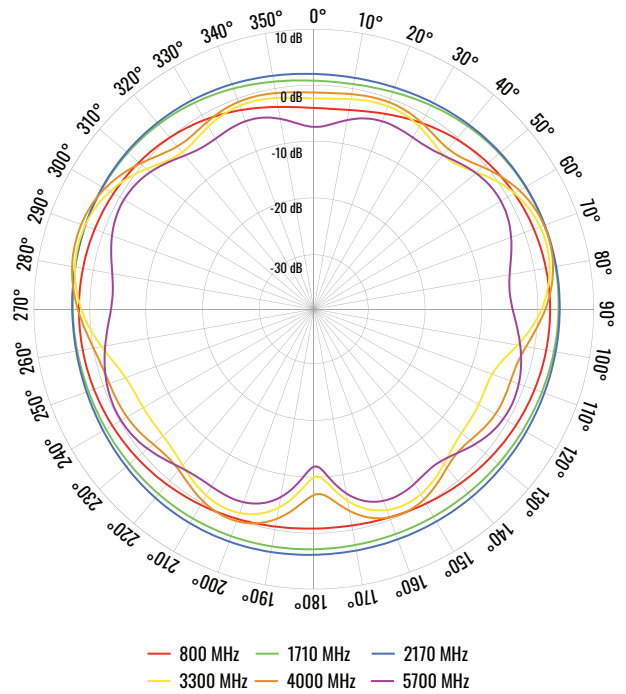
Radiation patterns

5G - 1 Antenna

ELEVATION

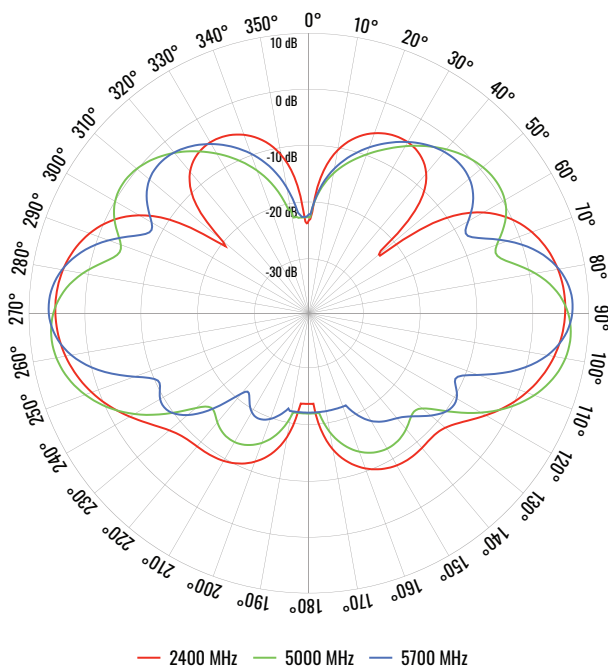


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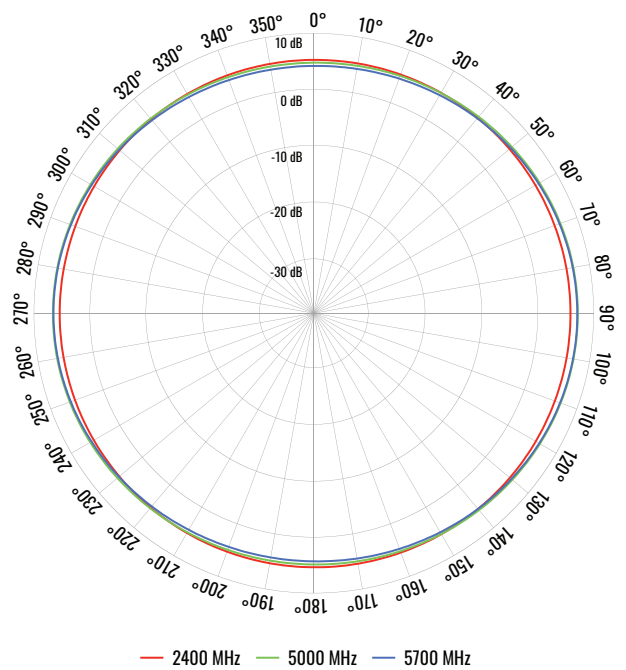


Wi-Fi - 1 Antenna

ELEVATION



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Spatial measurements

