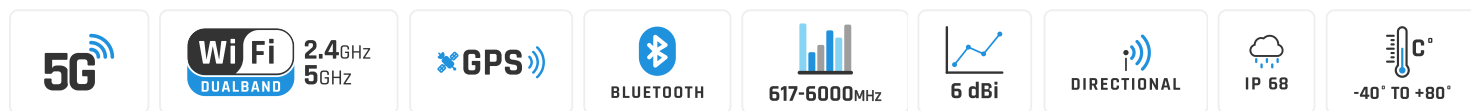


Thunder Integrated Directional for Ericsson R1900

INTEGRATED MULTI-BAND 5G DIRECTIONAL ANTENNA + WIFI OMNI ANTENNA + BLUETOOTH ANTENNA + GPS ANTENNA + PASSIVE POE SPLITTER + PLACE TO INSTALL ERICSSON R1900 (ALL-IN-ONE)

Thunder Integrated Directional all-in-one antenna for Ericsson R1900 router is dedicated to connections with long distance to base station. It has embedded directional 5G, Wi-Fi, Bluetooth and GPS antenna. If you use R1900 with Thunder Integrated Directional antenna, you get an integrated complete solution with embedded router and multi band antennas in one enclosure. It is the first choice for fixed installations in industrial environment.

The set contains a [Passive PoE splitter](#), allowing you to split data and power from a single Ethernet cable and maintain gigabit transfer speeds while protecting the LAN port from damage caused by overvoltage, short circuit or improper connection.



OUTDOOR ANTENNA WORKS IN **ANY WEATHER CONDITIONS**, IP68



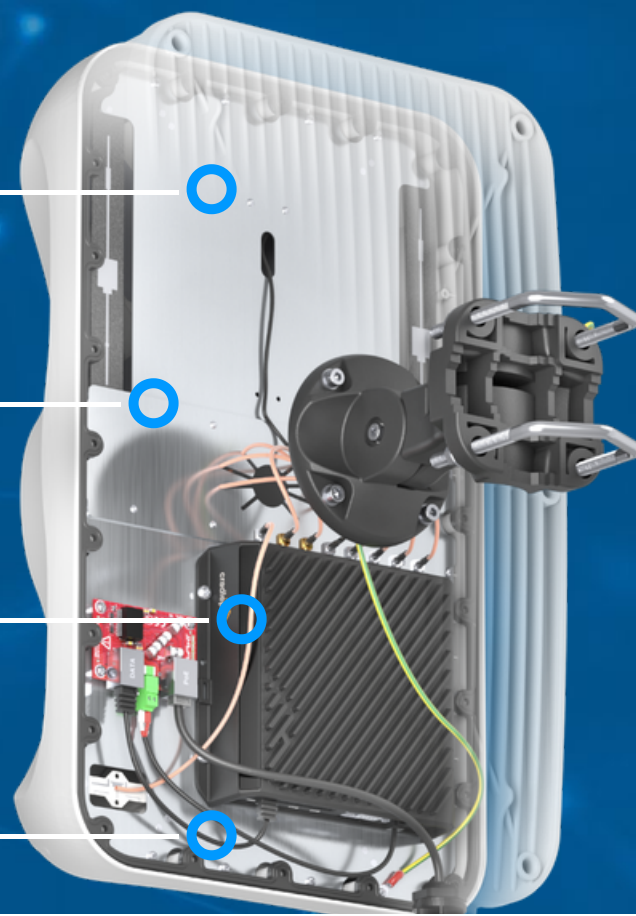
ANTENNA PERFECTLY MATCHED WITH THE ERICSSON R1900



ALL ANTENNAS AND ERICSSON ROUTER INTEGRATED IN ONE ENCLOSURE



MADE IN **EUROPE**



5G/LTE SPECIFICATION

FREQUENCY	617 - 960 MHz 1.7 - 2.7 GHz 3.3 - 4.6 GHz 4.7 - 6.0 GHz
SUPPORTED LTE BANDS	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, 46, 47, 48, 49, 52, 53, 65, 66, 67, 68, 69, 71, 85, 103, 106
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, n65, n66, n67, n71, n77, n78, n79, n80, n81, n82, n83, n84, n85, n86, n89, n90, n95, n97, n98, n100, n101, n256
GAIN	617 - 960 MHz : 6 dBi 1.7 - 2.7 GHz : 7 dBi 3.3 - 4.6 GHz : 7 dBi 4.7 - 6.0 GHz : 5.5dBi
VSWR	<2.00, max <3.00
BEAMWIDTH	80°/80° ±15°
POLARIZATION	Vertical
IMPEDANCE	50 Ω

WI-FI SPECIFICATION

FREQUENCY	2.4 - 2.5 GHz 5.0 - 7.2 GHz
GAIN	2.4 - 2.5 GHz: 6dBi 5 GHz: 7.5dBi 7 GHz: 7.5dBi
VSWR	< 1.50, max < 2.00
BEAMWIDTH	360°/25° +/- 5°
POLARIZATION	Vertical
IMPEDANCE	50 Ω

MECHANICAL SPECIFICATION

MATERIAL	BS, aluminum, PTFE, Fiberglass
INGRESS PROTECTION	IP68
CONNECTOR TYPE	RJ45
DIMENSIONS	486.0 x 292.2 x 210 mm 19.13 x 11.50 x 8.27 inch
WEIGHT	1.8 kg 3.97 lbs
OPERATING TEMPERATURE	From -40°C to 75°C From -40°F to 167°F

MOUNTING KIT

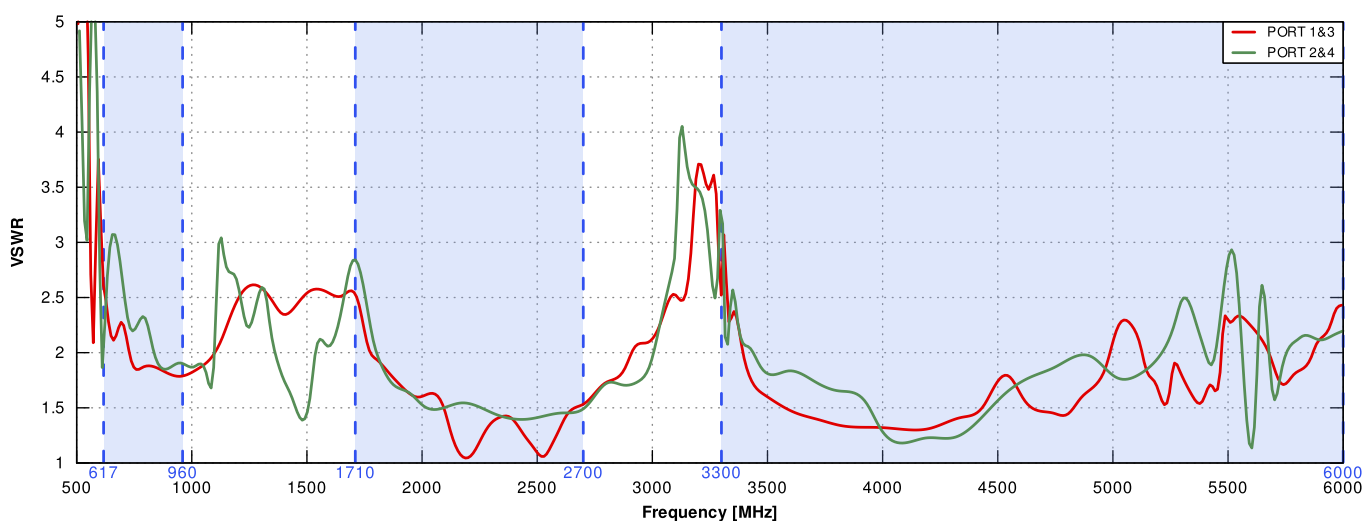
DIMENSIONS	9.9 x 10.5 x 14.8 cm 3.9 x 4.13 x 5.83 inch
REGULATION RANGE	+/- 30°
MAST DIAMETER RANGE	25 - 60mm 0.98-2.36 inch
MATERIAL	Polyamide with fiberglass + galvanized steel U-Bolts
WEIGHT	0.87kg
MOUNTING PLACE	Wall or mast or ceiling

COMPATIBLE ROUTERS

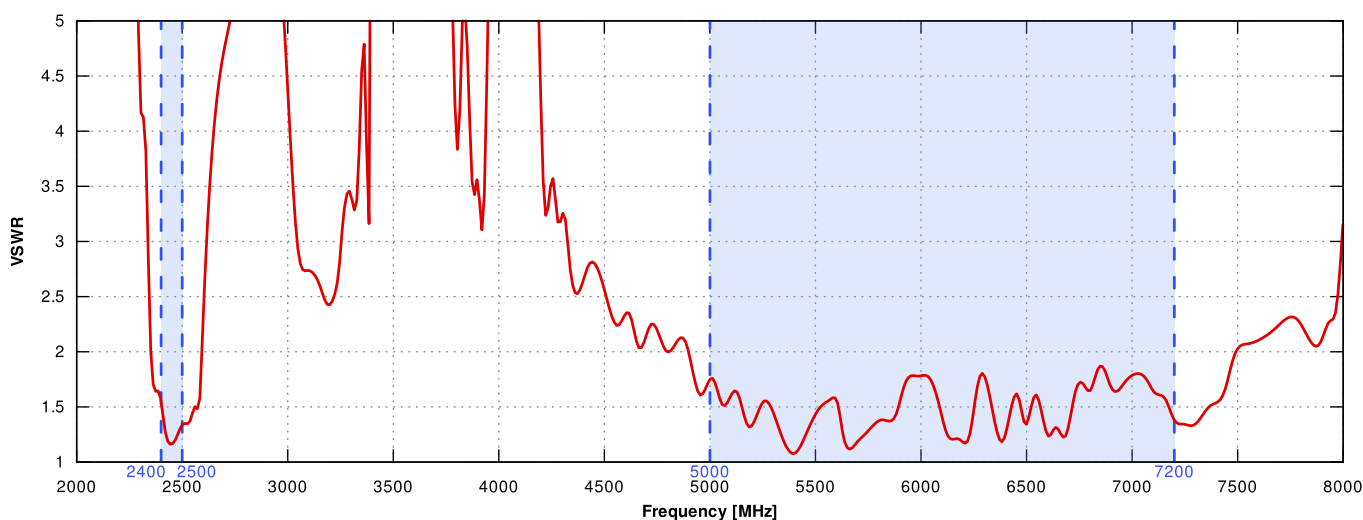
VARIANT: ACP1900M _____

PLOTS

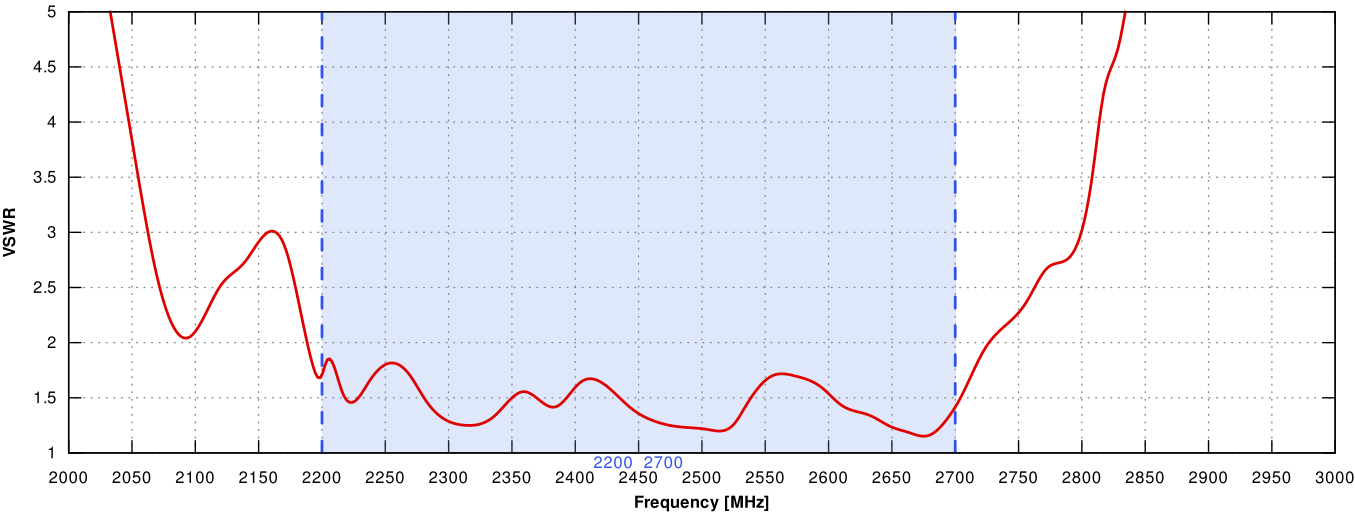
VSWR for 5G/LTE antenna



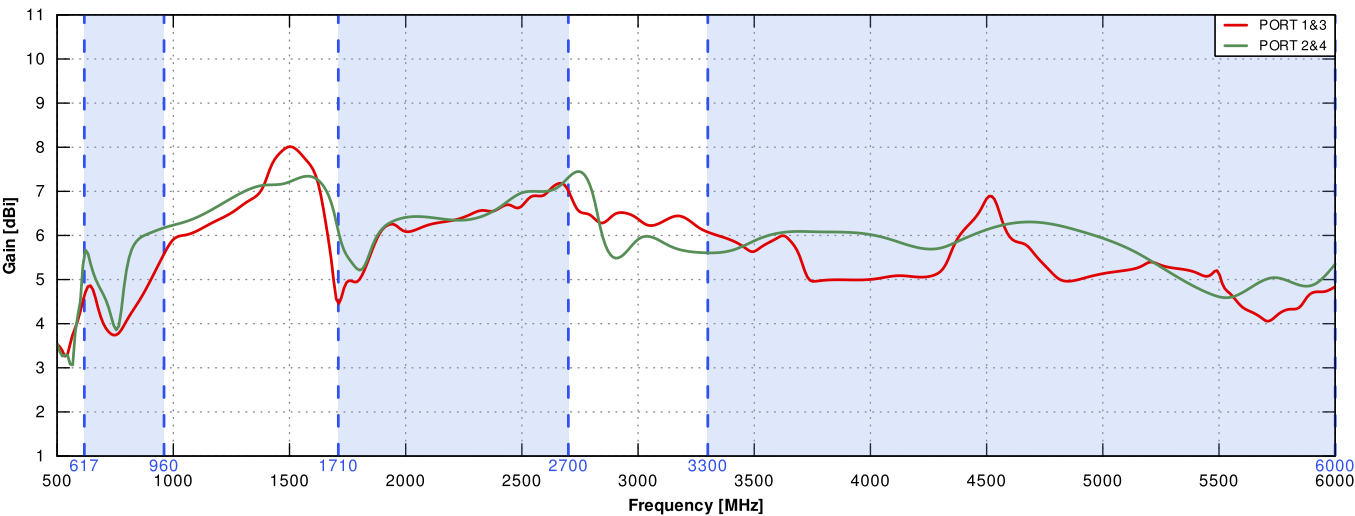
VSWR for Wi-Fi antenna



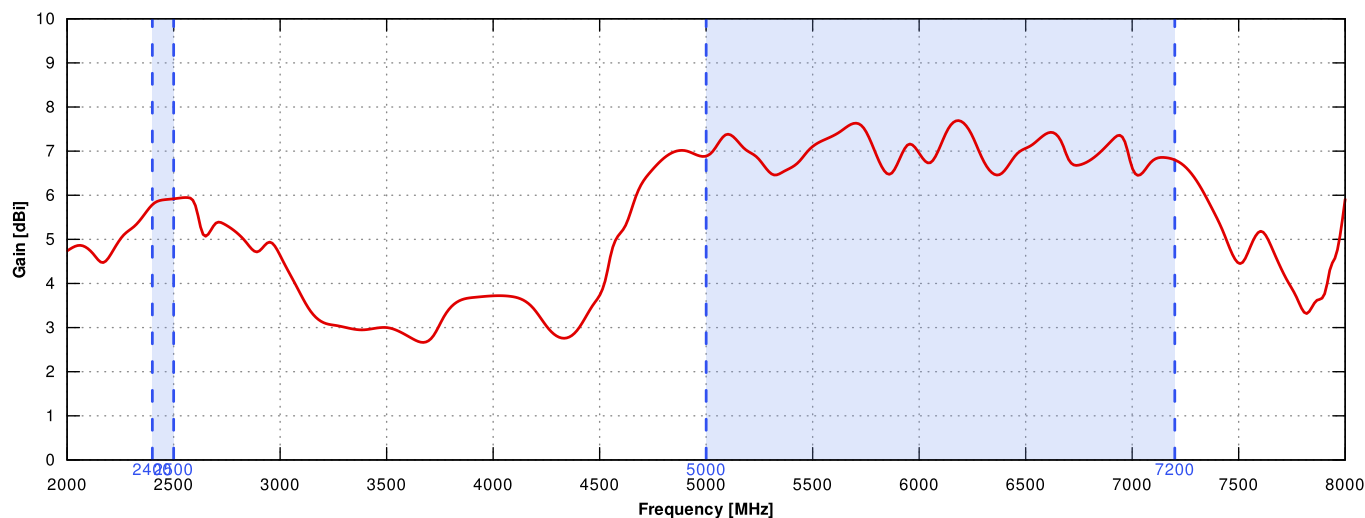
VSWR for Bluetooth antenna



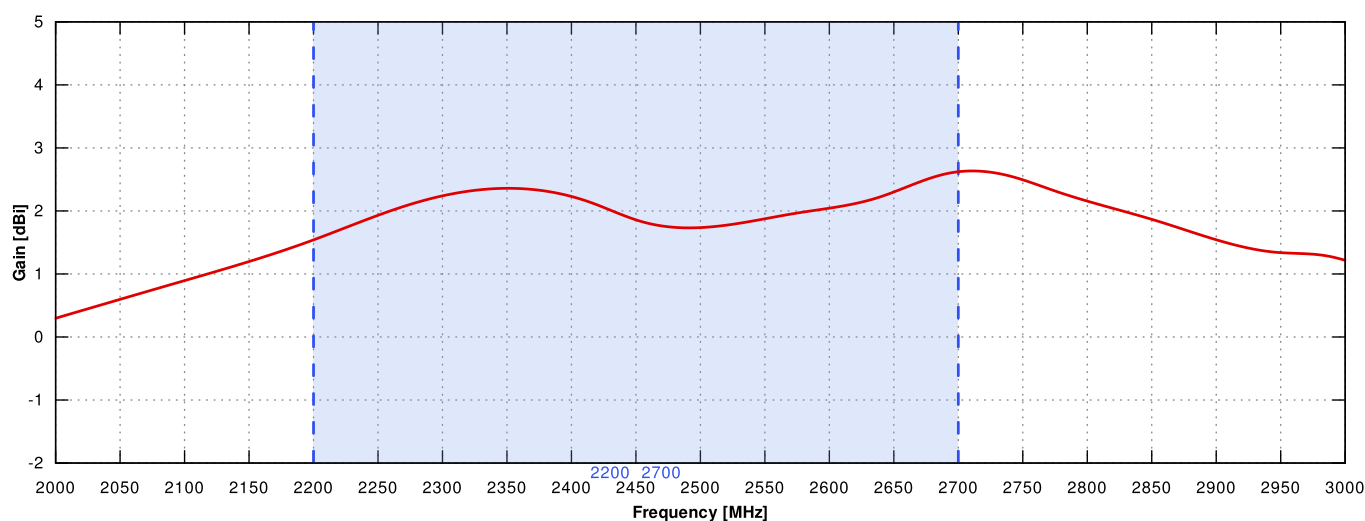
Gain for 5G/LTE antenna



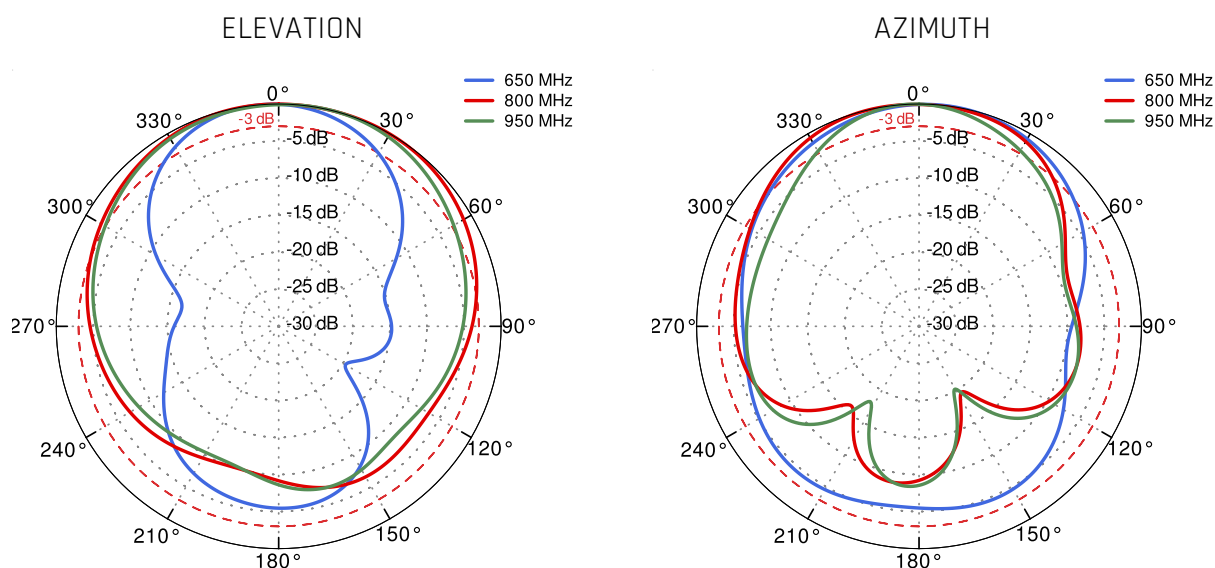
Gain for Wi-Fi antenna



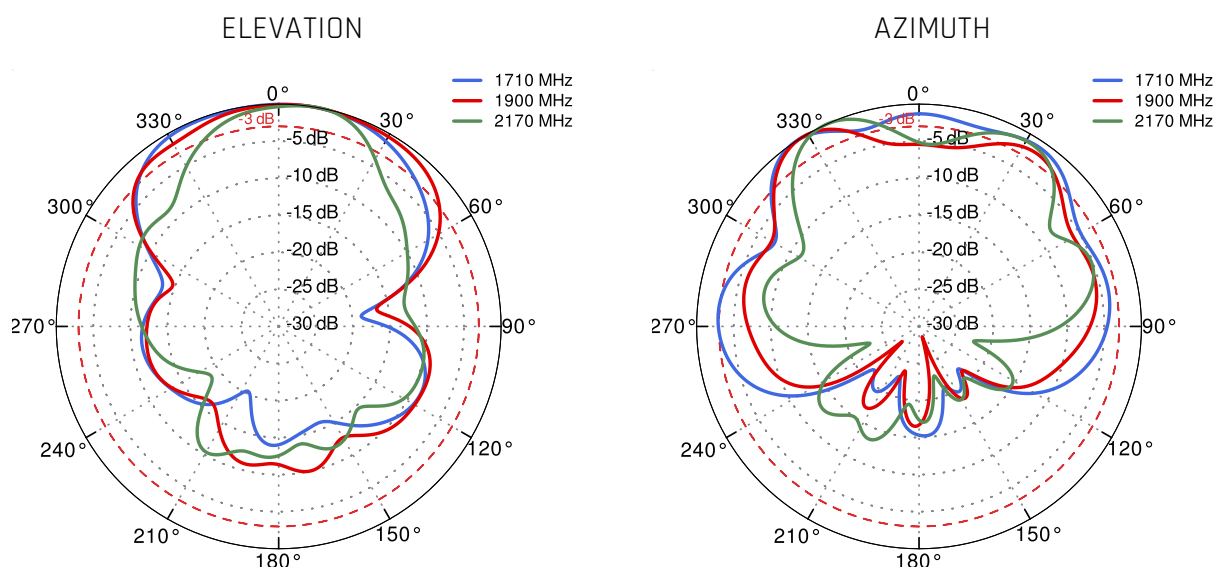
Gain for Bluetooth antenna



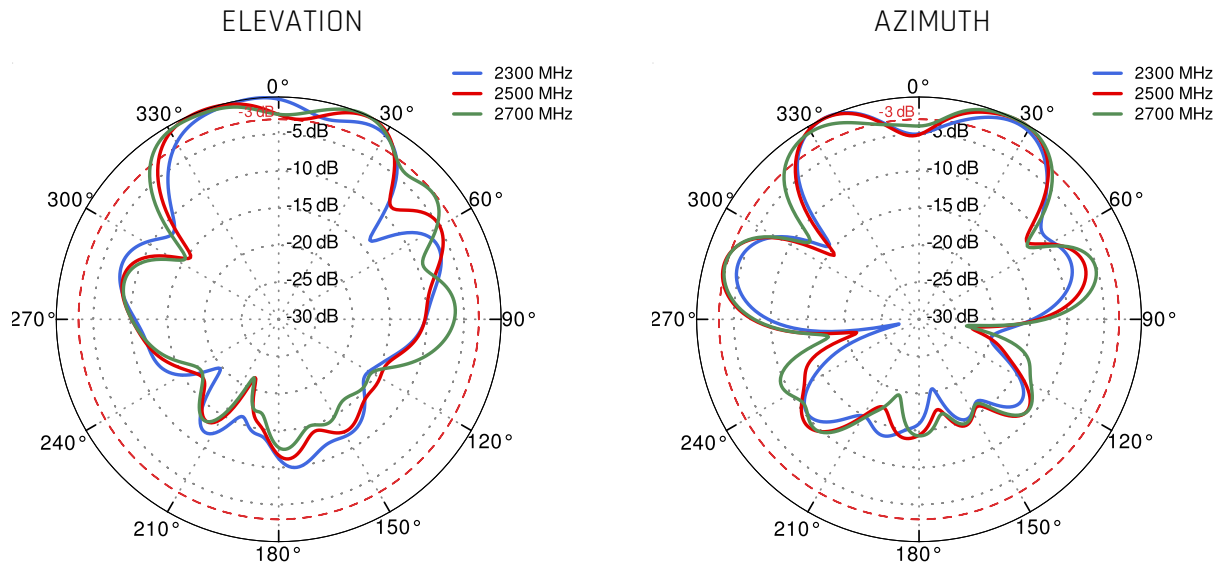
5G/LTE Port 1/3 from 650MHz to 950MHz



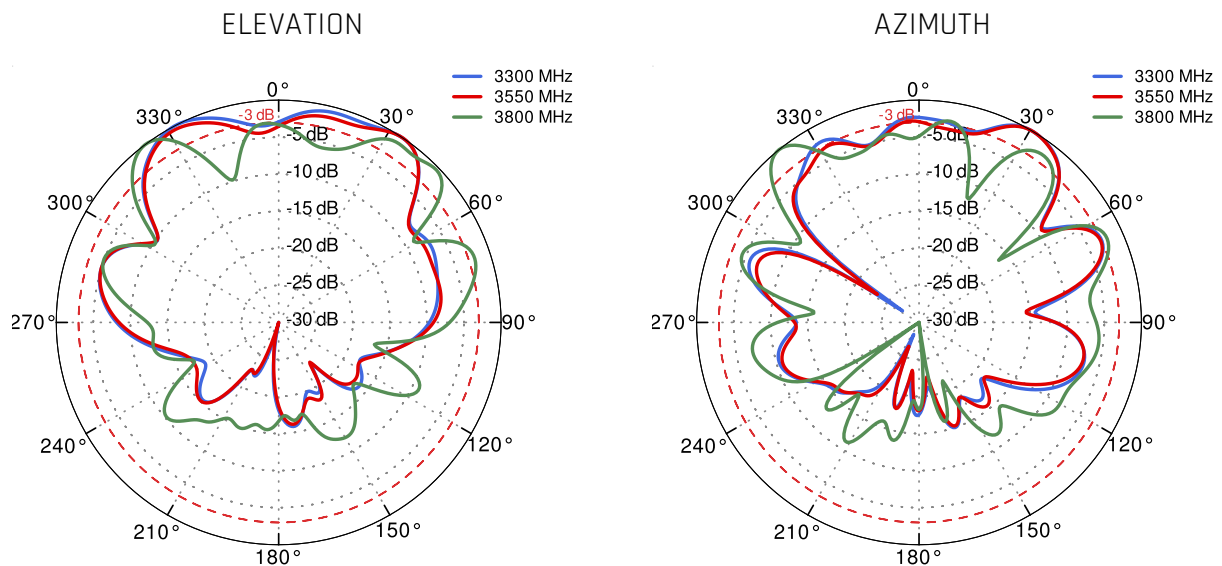
5G/LTE Port 1/3 from 1.71GHz to 2.17GHz



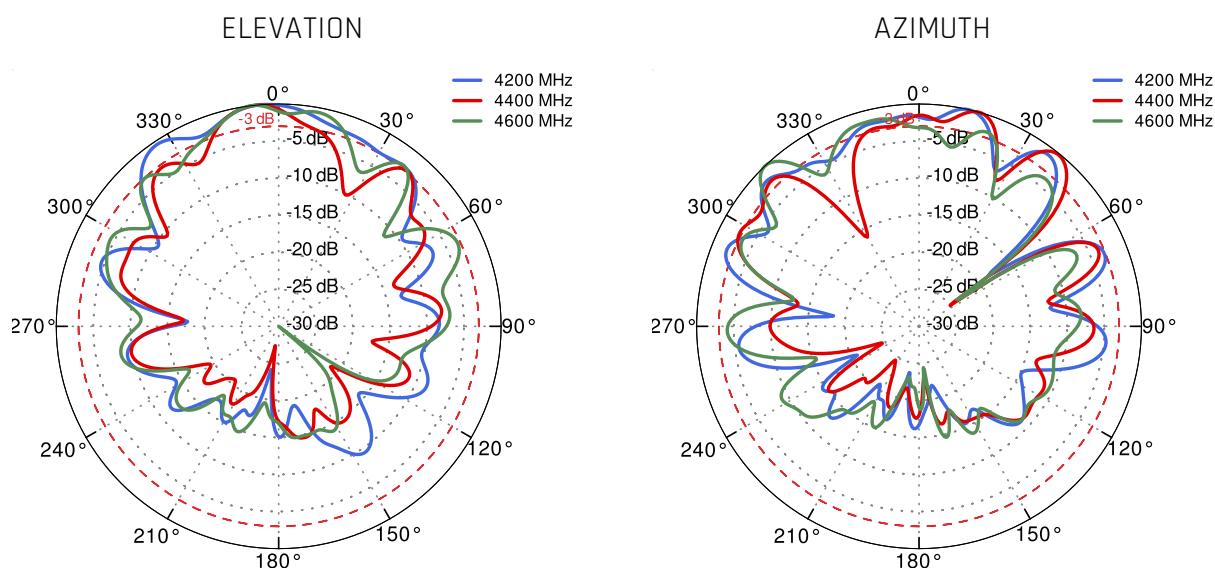
5G/LTE Port 1/3 from 2.3GHz to 2.7GHz



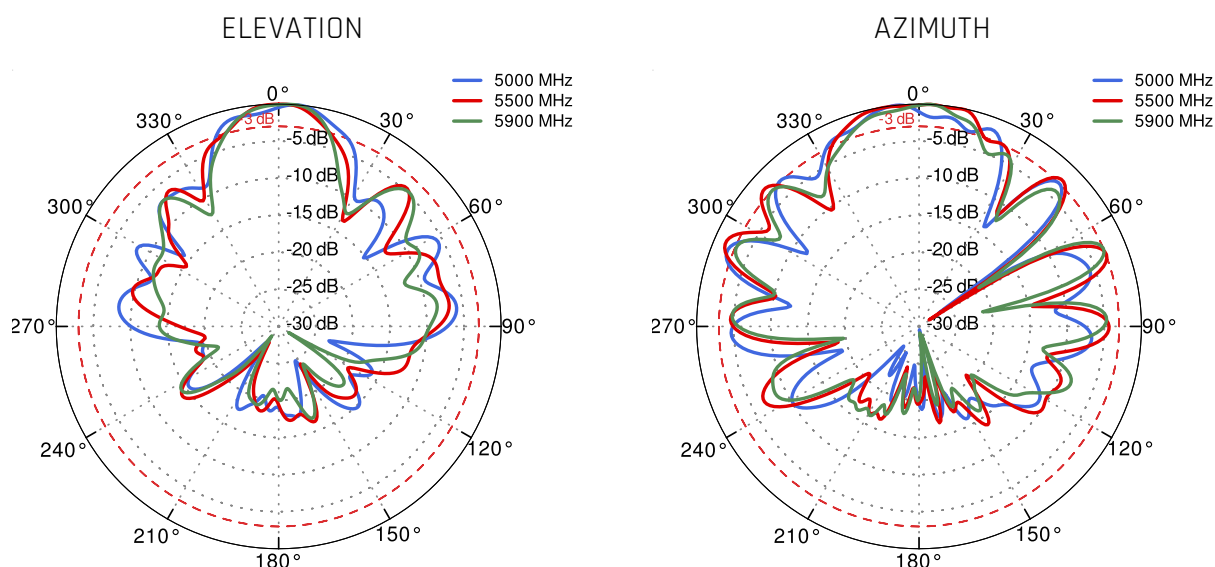
5G/LTE Port 1/3 from 3.3 GHz to 3.8 GHz



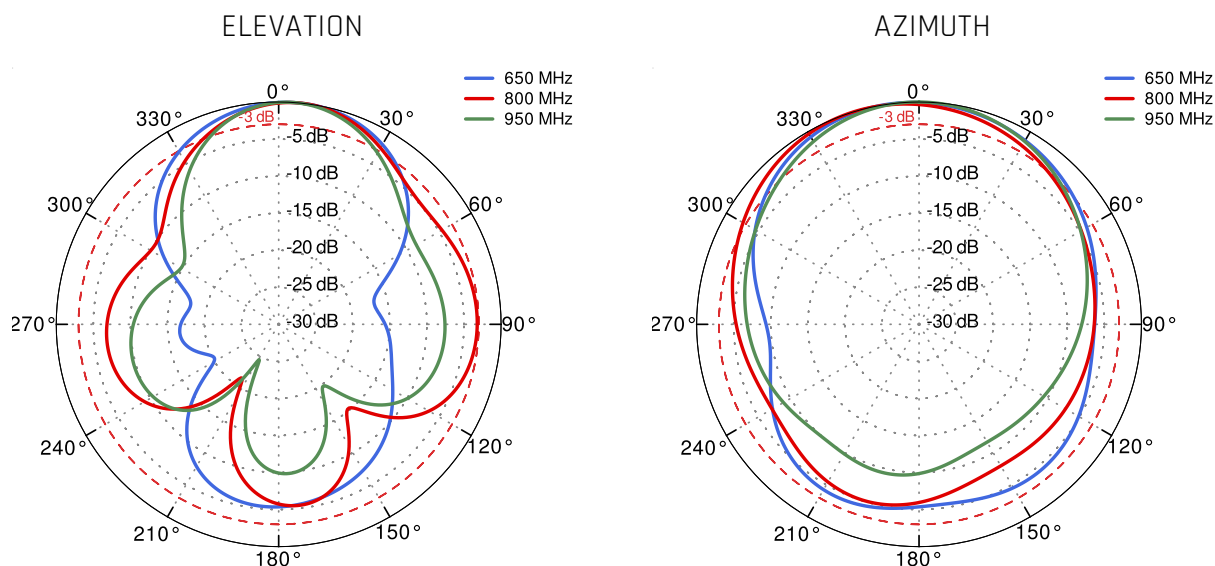
5G/LTE Port 1/3 from 4.2 GHz to 4.6 GHz



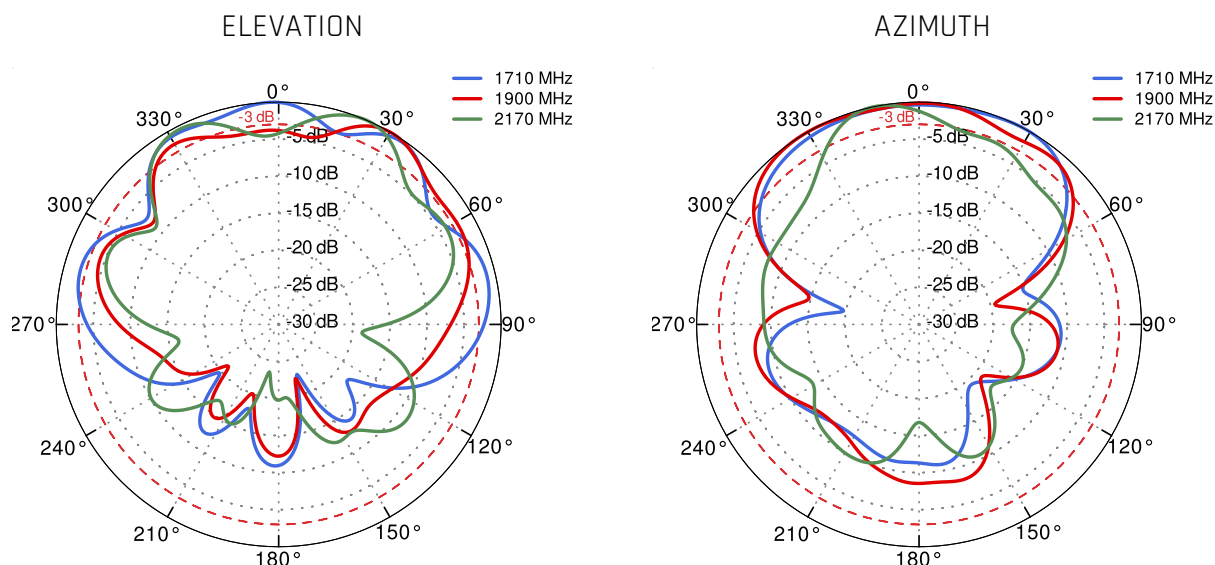
5G/LTE Port 1/3 from 5.0 GHz to 5.9 GHz



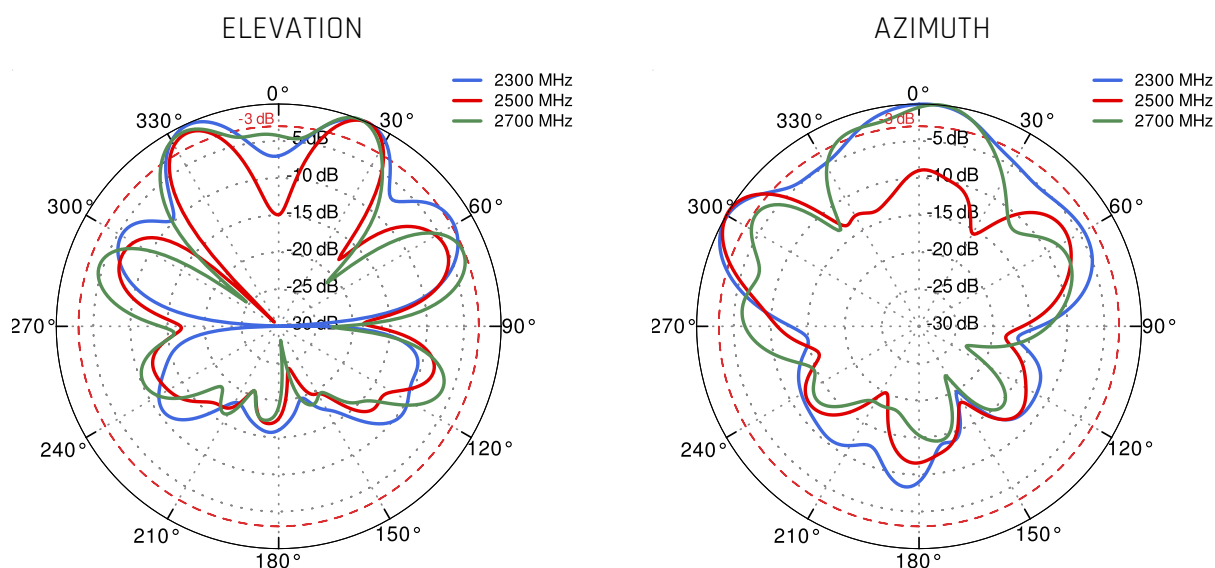
5G/LTE Port 2/4 from 650 MHz to 950 MHz



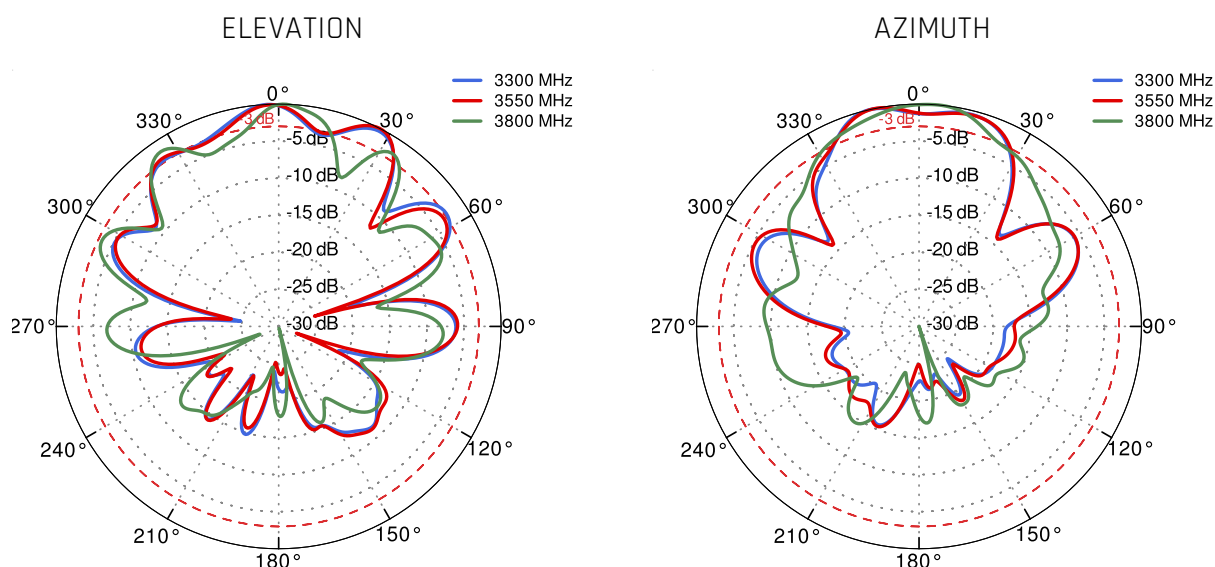
5G/LTE Port 2/4 from 1.71 GHz to 2.17 GHz



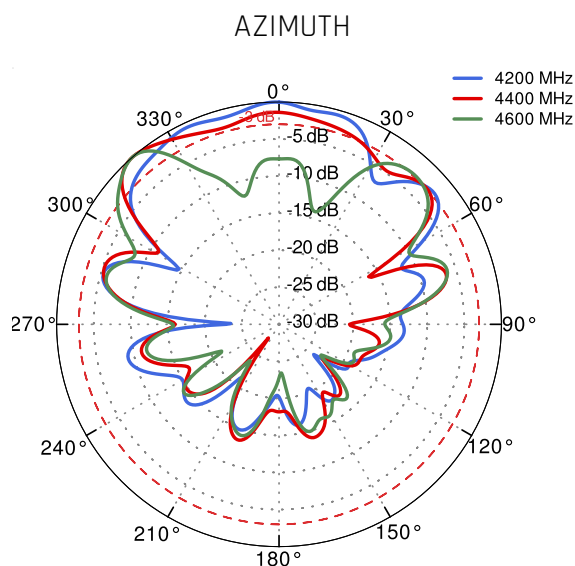
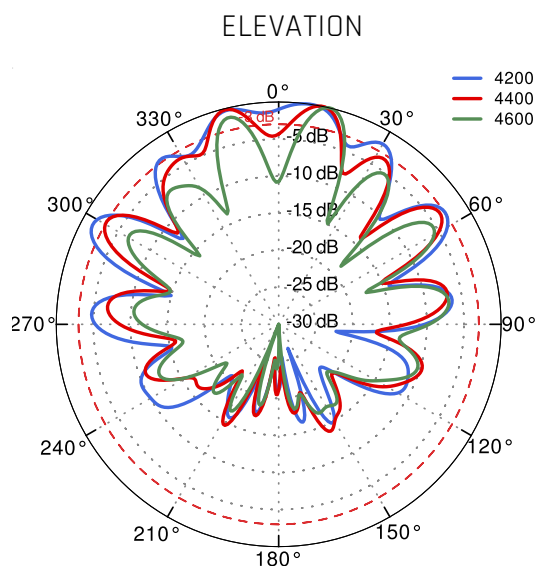
5G/LTE Port 2/4 from 2.3 GHz to 2.7 GHz



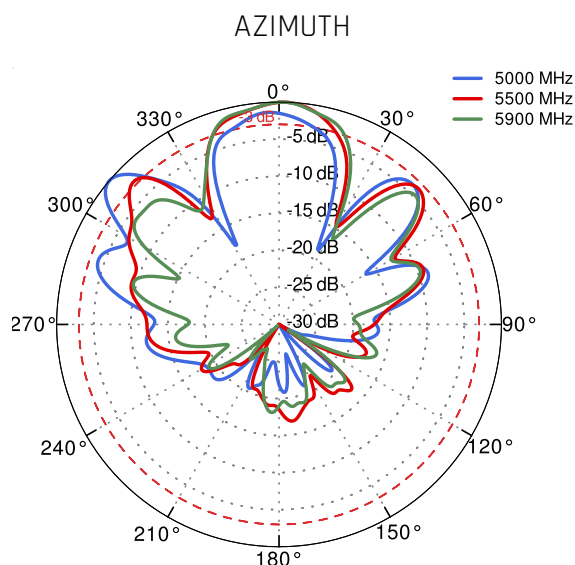
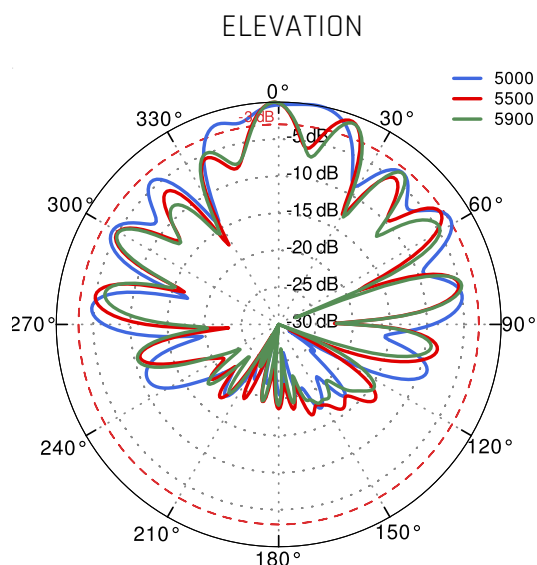
5G/LTE Port 2/4 from 3.3 GHz to 3.8 GHz



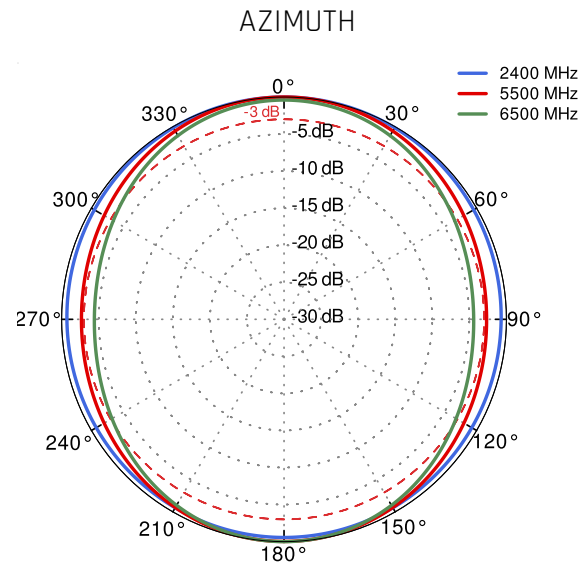
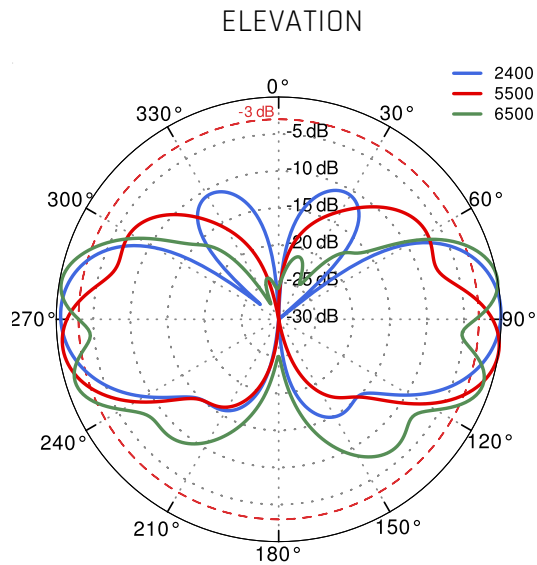
5G/LTE Port 2/4 from 4.2 GHz to 4.6 GHz



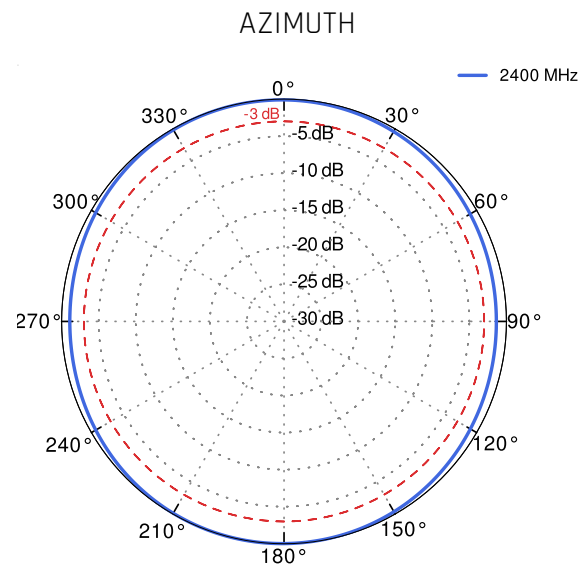
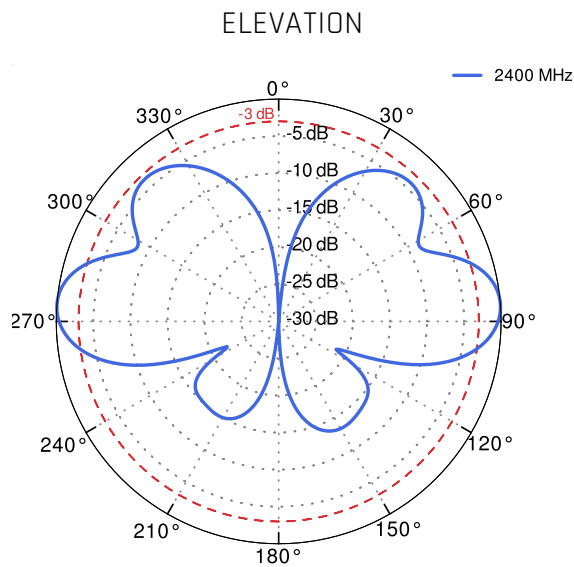
5G/LTE Port 2/4 from 5.0 GHz to 5.9 GHz



Wi-Fi From 2.4 GHz to 6.5 GHz



Bluetooth



DIMENSIONS

