

Thunder Integrated 5G/LTE Directional Antenna for DIGI IX25

INTEGRATED MULTI-BAND LTE & 5G PANEL ANTENNA + GPS + PLACE TO INSTALL DIGI IX25 (ALL-IN-ONE)

Thunder Integrated 5G/LTE Directional Antenna for DIGI IX25 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, 802.3at PoE Splitter and GPS antennas integrated in IP68 (IP67) enclosure. It offers 8 dBi gain and wide beamwidth, which makes it suitable for use in both urban and rural environments.

Combining DIGI IX25 inside the antenna housing gives you complete outdoor solution with multiple use scenarios such as transportation public, energy, mining IoT and more.

5G**BAND
71****617-6500MHz****8 dBi****DIRECTIONAL****GPS****IP 68****-40° TO +80°**

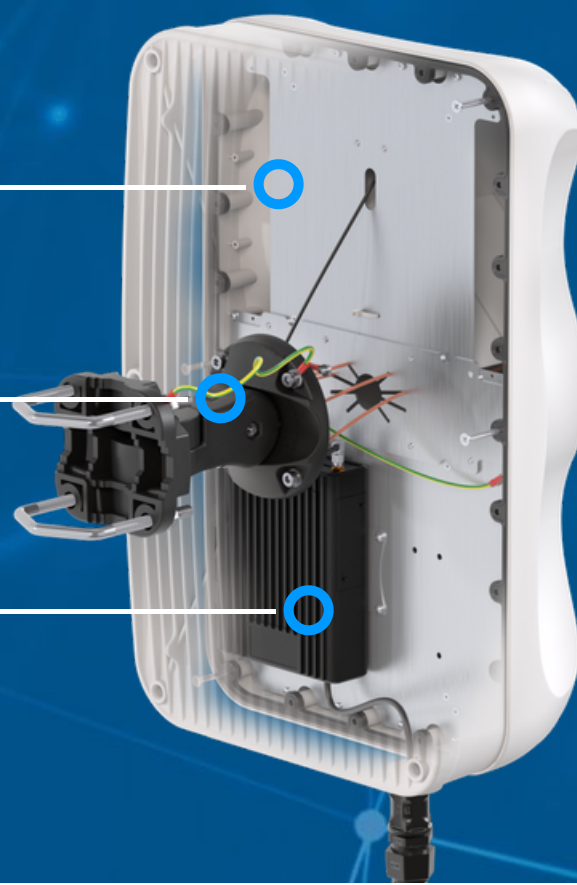
OUTDOOR ANTENNA WORKS IN **ANY**
WEATHER CONDITIONS, IP68



ANTENNA **PERFECTLY MATCHED** WITH
THE ROUTER



MADE IN **EUROPE**



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
CONNECTOR	4x SMA
CABLE TYPE	RG316

GPS ACTIVE ANTENNA SPECIFICATION

FREQUENCY	1.56 ~ 1.61 GHz
VSWR	< 2
GAIN	3 dBi
GAIN 3V	28 dBi
DC POWER INPUT	2.5 V ~ 6.5 V
POWER CONSUMPTION	2.5-6.5mA
IMPEDANCE	50 Ω
POLARIZATION	RHCP (right hand circularly polarized)
CONNECTOR	1x SMA
CABLE TYPE	RG174

MECHANICAL SPECIFICATION

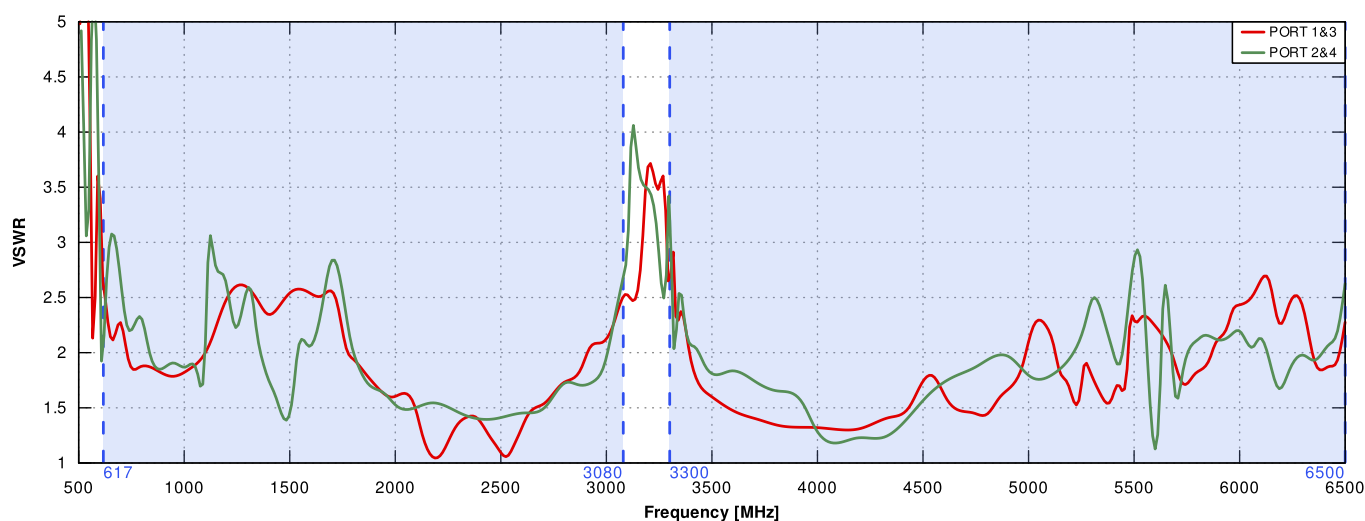
MATERIALS	ABS, aluminum, PTFE, Fiberglass
CONNECTOR TYPE	RJ45
INGRESS PROTECTION	IP68
DIMENSIONS	486.0 x 292.2 x 105.6 mm 19.13 x 11.50 x 4.16 inch
WEIGHT	2.8 kg 6.17 lbs
OPERATING TEMPERATURE	From -40°C to 80°C From -40°F to 176°F
ENCLOSURE RECOMMENDED TIGHTENING TORQUE	0.6 - 0.8 Nm
MAST DIAMETER	25-66mm 0.98-2.60 inch

COMPATIBLE ROUTERS

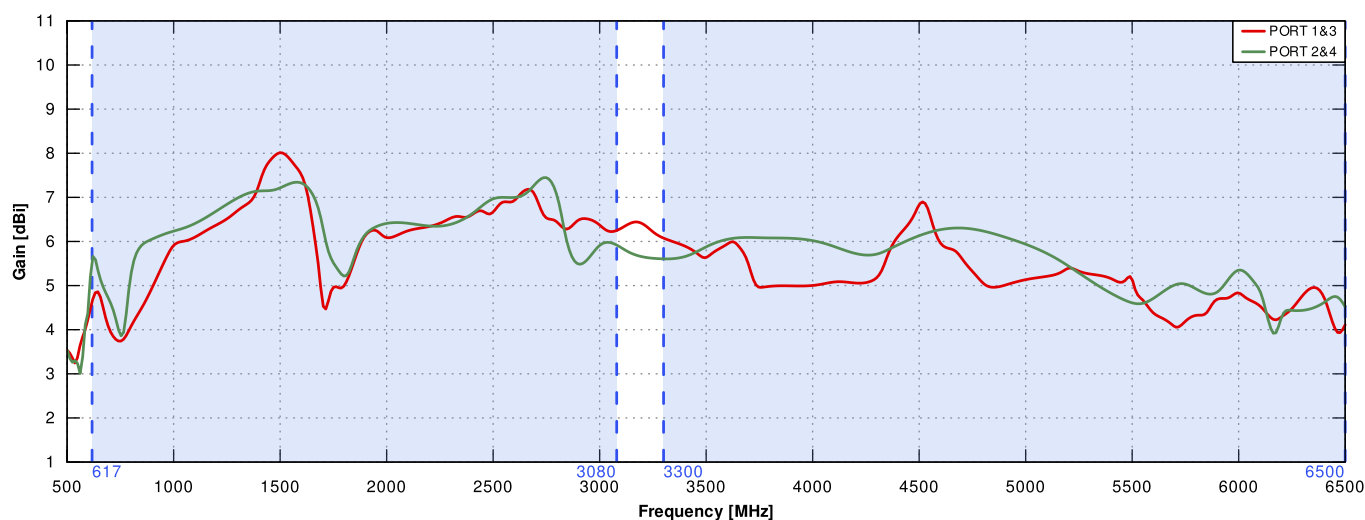
VARIANT: THDR25 

PLOTS

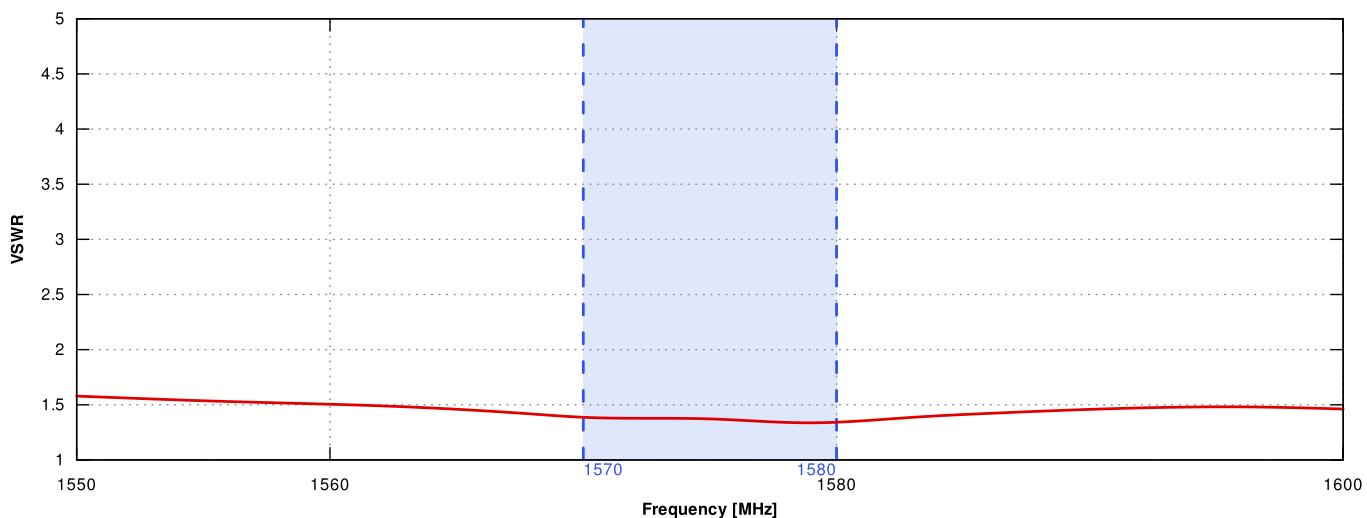
VSWR for 5G/LTE antenna



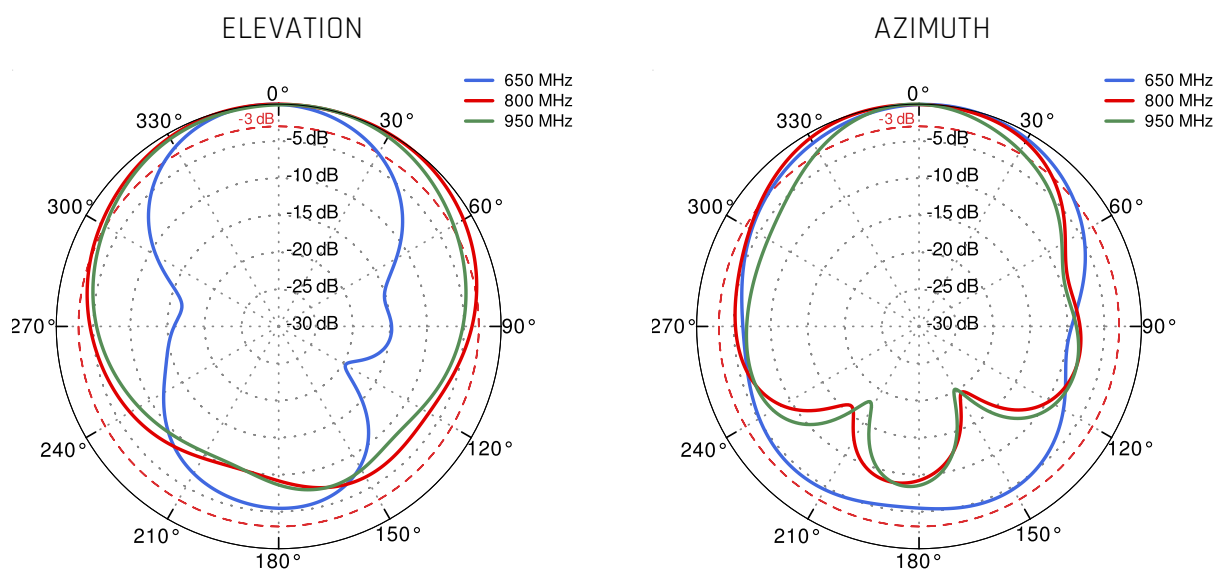
Gain for 5G/LTE antenna



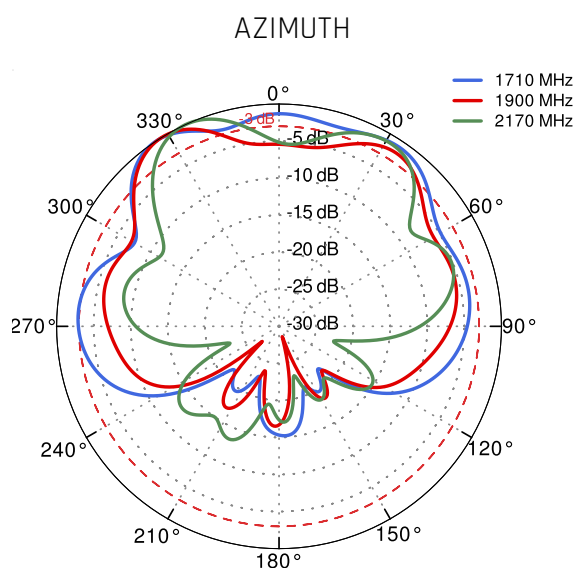
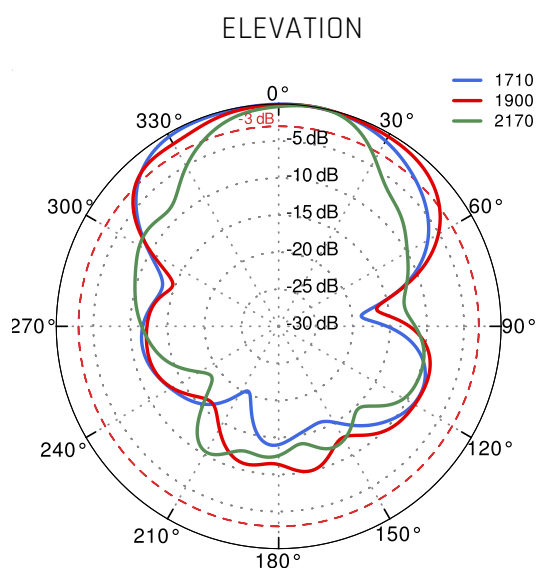
GPS VSWR



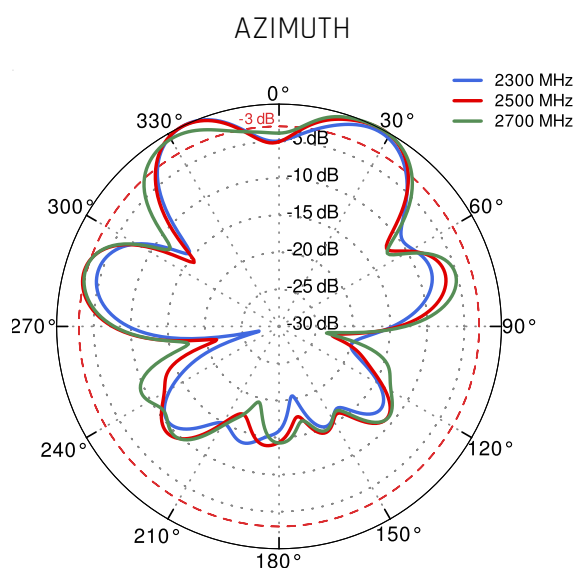
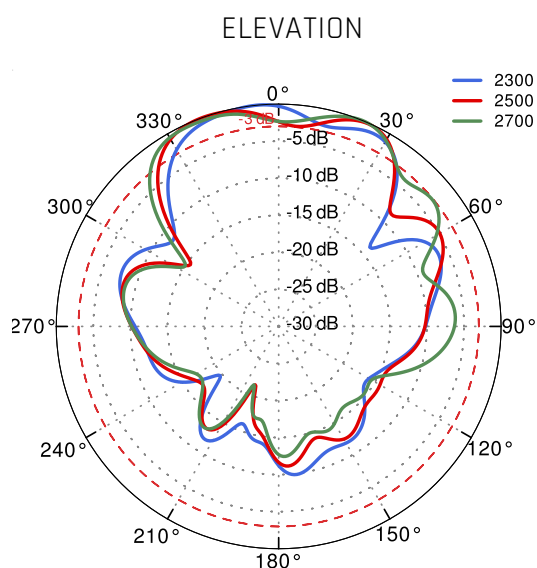
PORT 1&3 - 5G/LTE from 650MHz to 950MHz



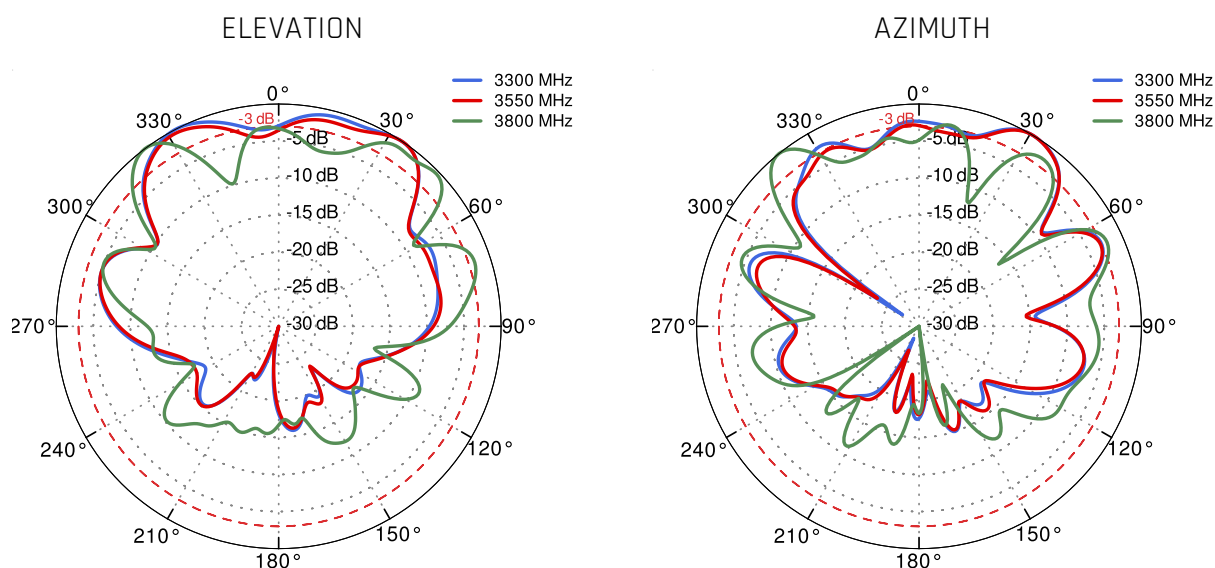
PORT 1&3 - 5G/LTE from 1.71GHz to 2.17GHz



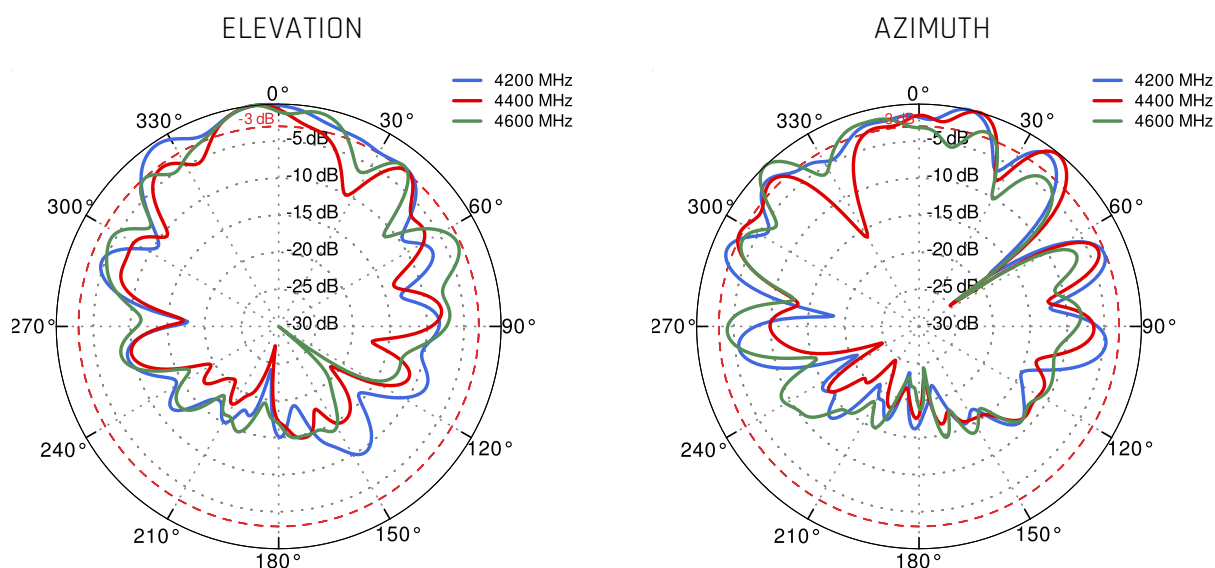
PORT 1&3 - 5G/LTE from 2.3GHz to 2.7GHz



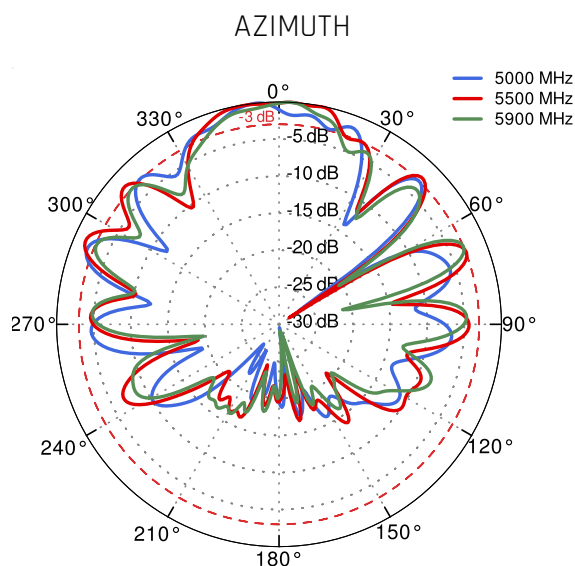
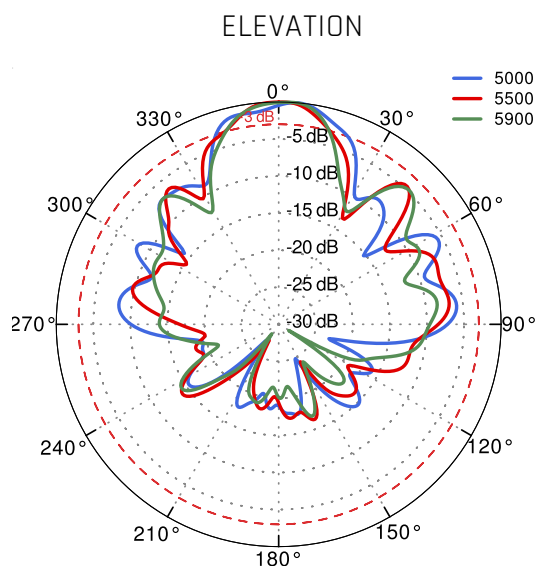
PORT 1&3 - 5G/LTE from 3.3GHz to 3.8GHz



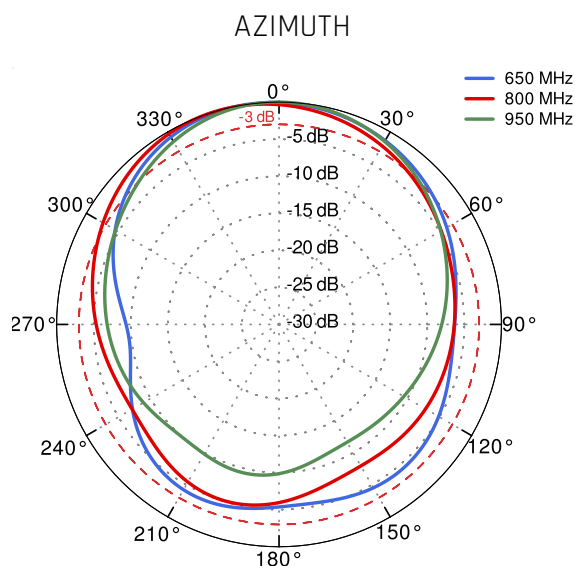
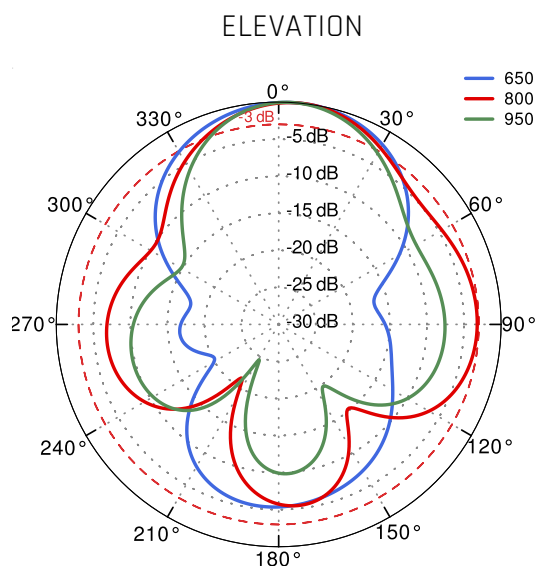
PORT 1&3 - 5G/LTE from 4.2GHz to 4.6GHz



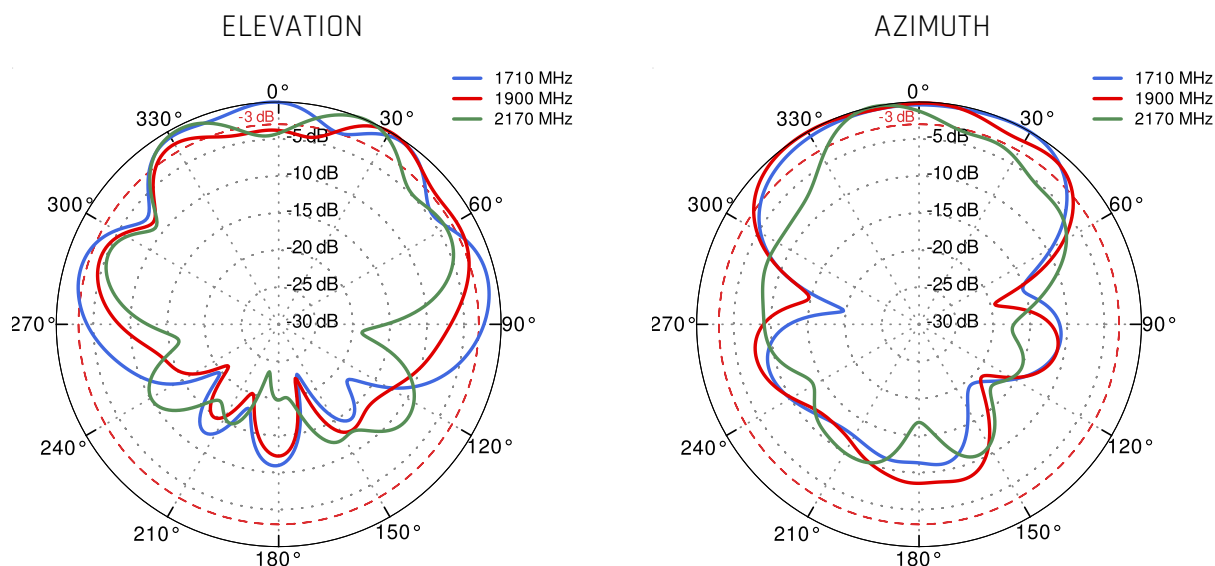
PORT 1&3 - 5G/LTE from 5.0GHz to 5.9GHz



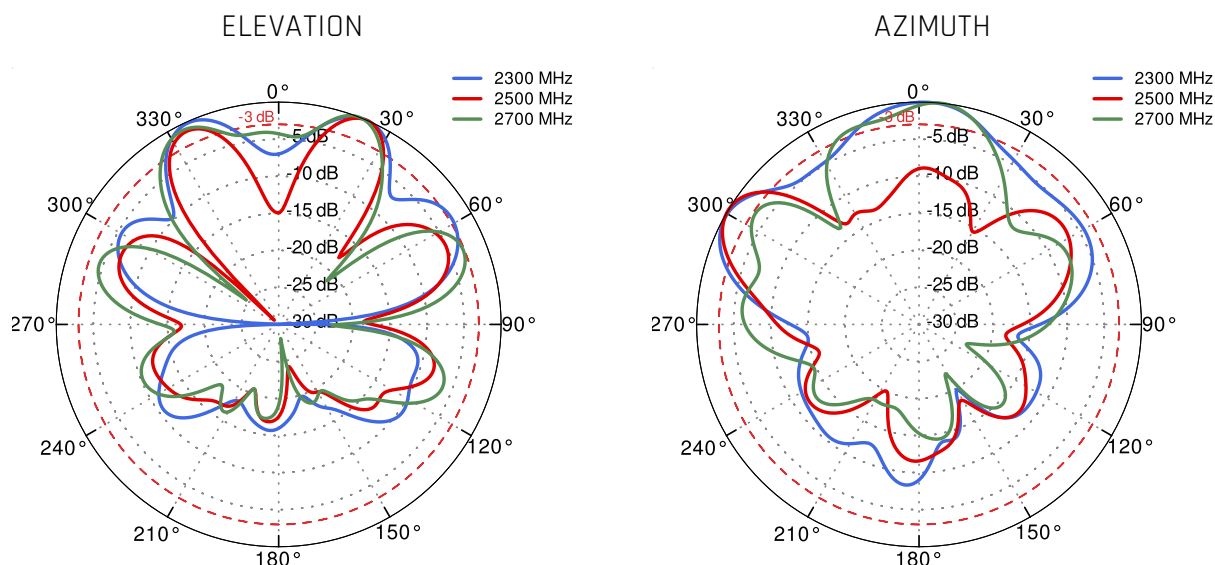
PORT 2&4 - 5G/LTE from 650MHz to 950MHz



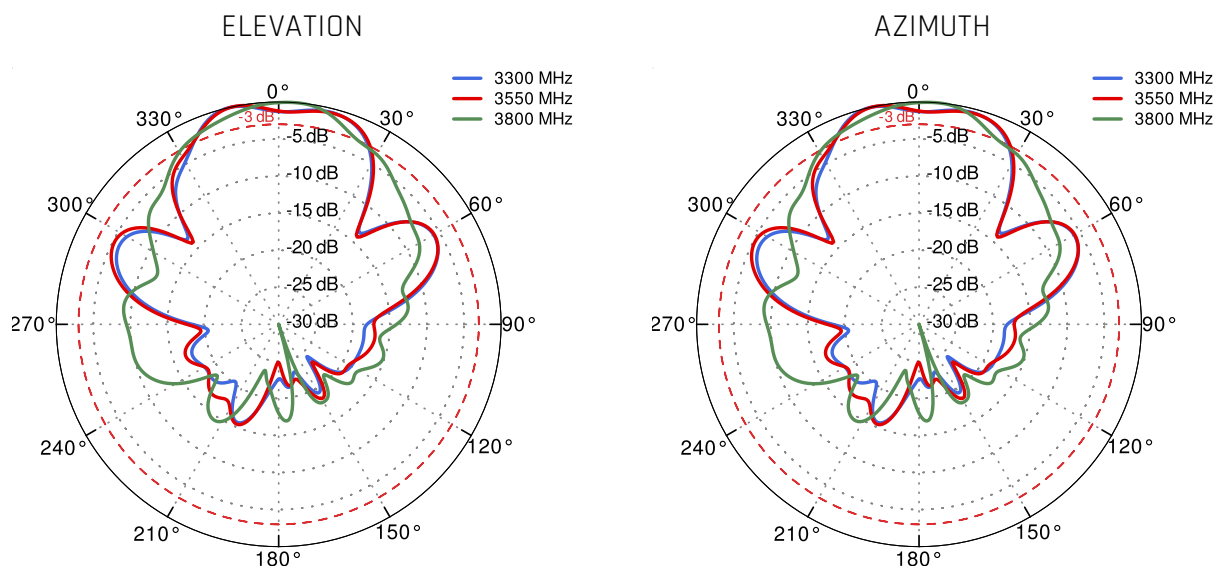
PORT 2&4 - 5G/LTE from 1.71GHz to 2.17GHz



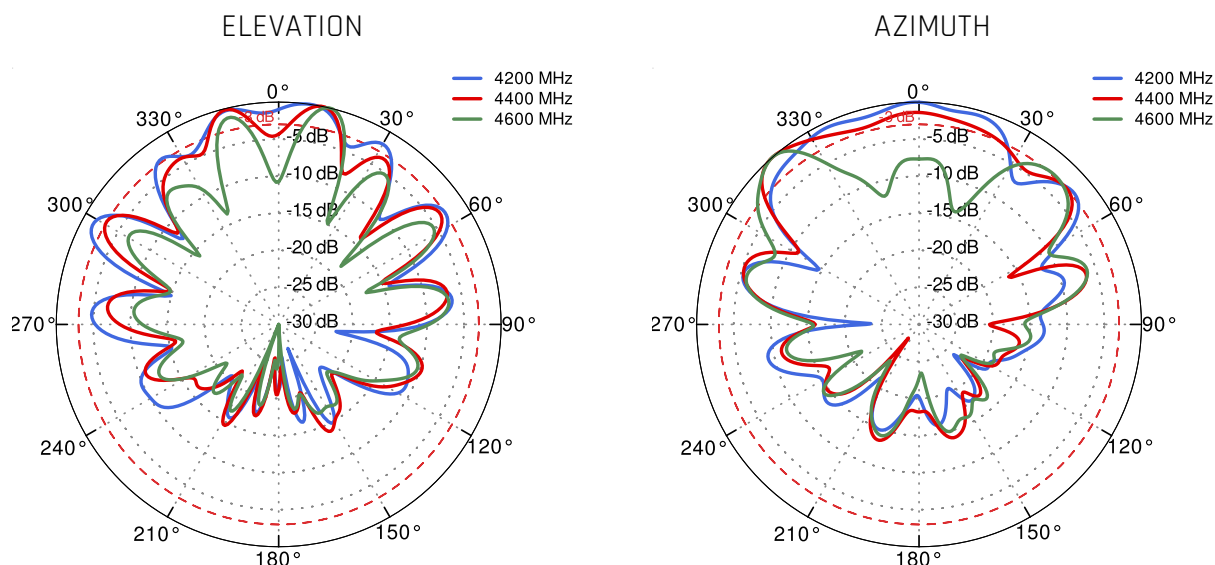
PORT 2&4 - 5G/LTE from 2.3GHz to 2.7GHz



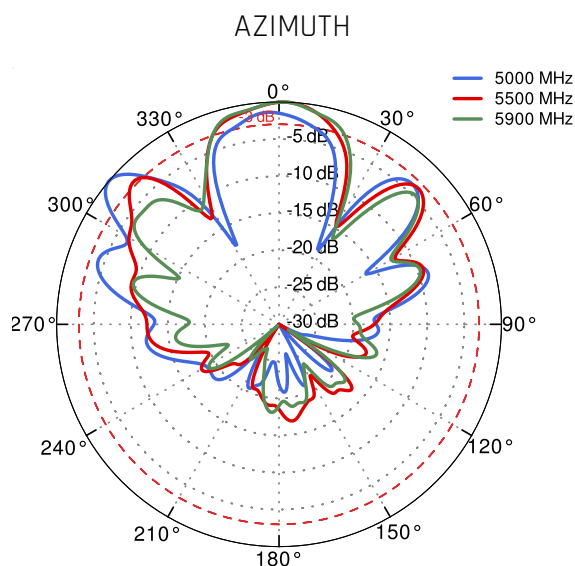
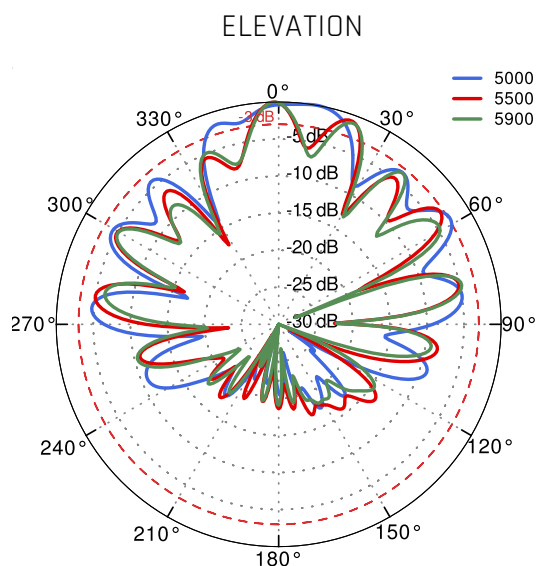
PORT 2&4 - 5G/LTE from 3.3GHz to 3.8GHz



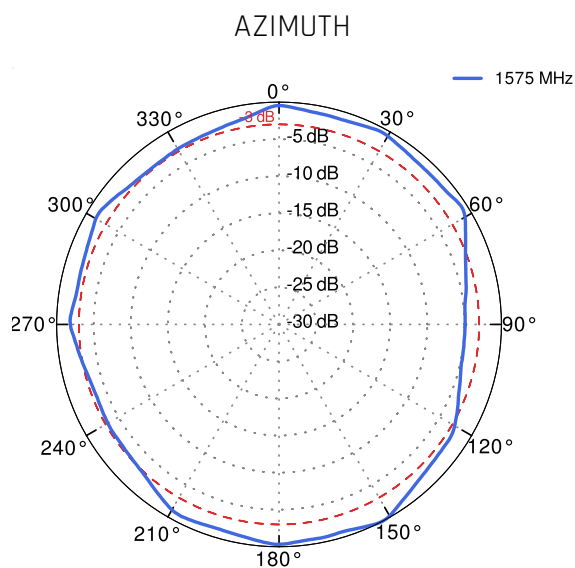
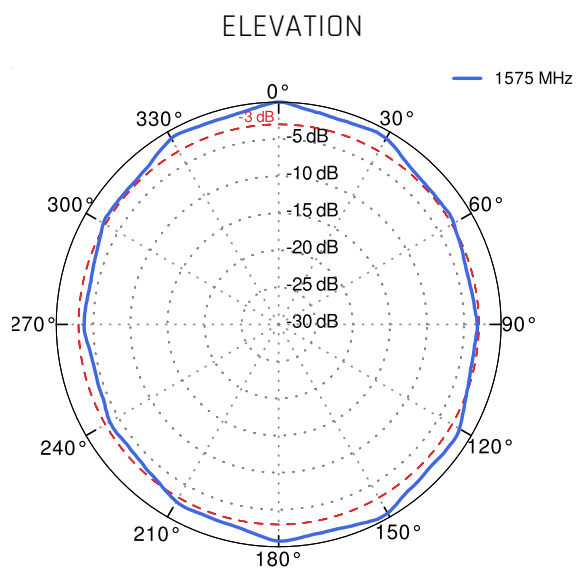
PORT 2 - 5G/LTE from 4.2GHz to 4.6GHz



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



GPS 1575 MHz



 DIMENSIONS