



THOR50

Thunder Series

Integrated 5G Omnidirectional Antenna
for DIGI EX50

- Integrated Multi-Band 5G Omni Antenna
- Cavity To Install DIGI EX50 Router
- Perfect Outdoor Device

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Ireland & USA
ISO 9001:2015
Certified



Taiwan
ISO 9001:2015
Certified



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Thunder Series THOR50

Integrated Multi-Band 5G/LTE Omnidirectional Antenna for DIGI EX50

INTEGRATED MULTI-BAND 5G OMNI ANTENNA + PLACE TO INSTALL DIGI EX50 (ALL-IN-ONE)

The Taoglas **THOR50** is an omnidirectional all-in-one antenna for DIGI EX50 routers is a perfect outdoor device for mobile and fixed installations like industrial, public, CCTV, hot-spots, yachts, boats, campers, and RVs. It has embedded omni 5G antennas. If you use a DIGI EX50 router with a THOR50 Thunder omnidirectional antenna, you get a complete integrated solution with embedded router and multi-band antennas in one enclosure.





5G / LTE 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 : 3 dBi 1.7 - 2.7 GHz : 4 dBi 3.3 - 4.7 GHz : 4.5 dBi 5.2 - 6.0 : 2.5dBi
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, 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, n47, n48, n53, n65, n66, n67, n71, n77, n78, n80, n81, n82, n83, n84, n85, n86, n89, n90, n95, n97, n98, n100, n101, n256
VSWR	<1.80, max <2.00
BEAMWIDTH	360°/35° +/- 5°
POLARIZATION	Vertical
IMPEDANCE	50 Ω



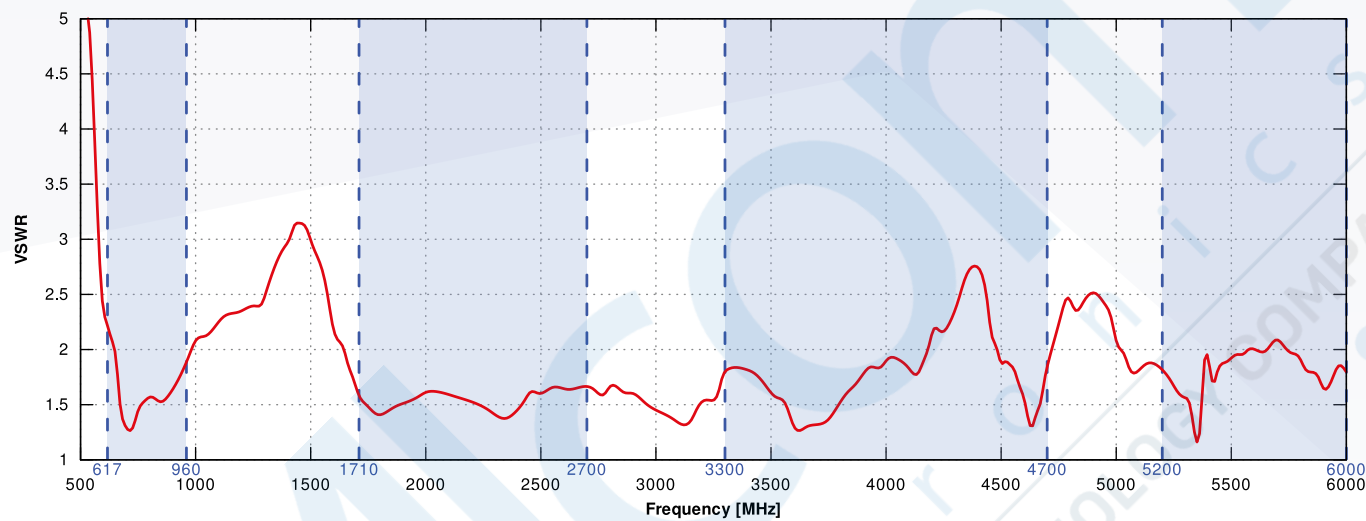
MECHANICAL SPECIFICATION

MATERIAL	ABS, aluminum, PTFE, Fiberglass
INGRESS PROTECTION	IP67
CONNECTOR TYPE	RJ45
DIMENSIONS	272 x 276 x 100 mm 10.71 x 10.87 x 3.93 inch
WEIGHT	1.8 kg 3.97 lbs
OPERATING TEMPERATURE	From -40°C to 75°C From -40°F to 167°F
ENCLOSURE RECOMMENDED TIGHTENING TORQUE	0,6 - 0,8 Nm

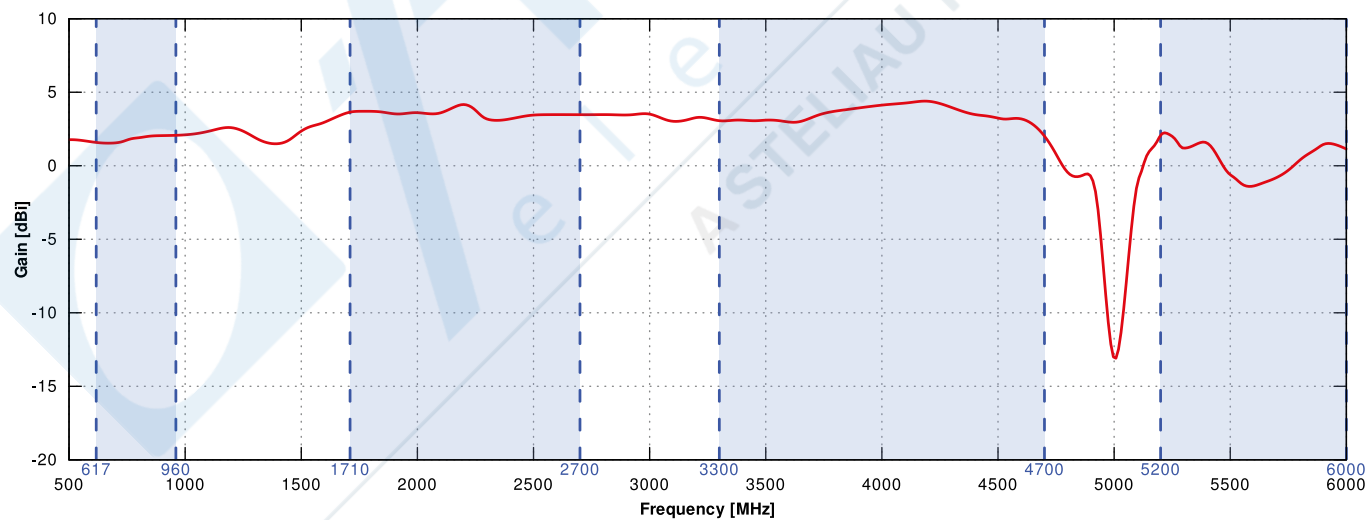


PLOTS

5G/LTE VSWR

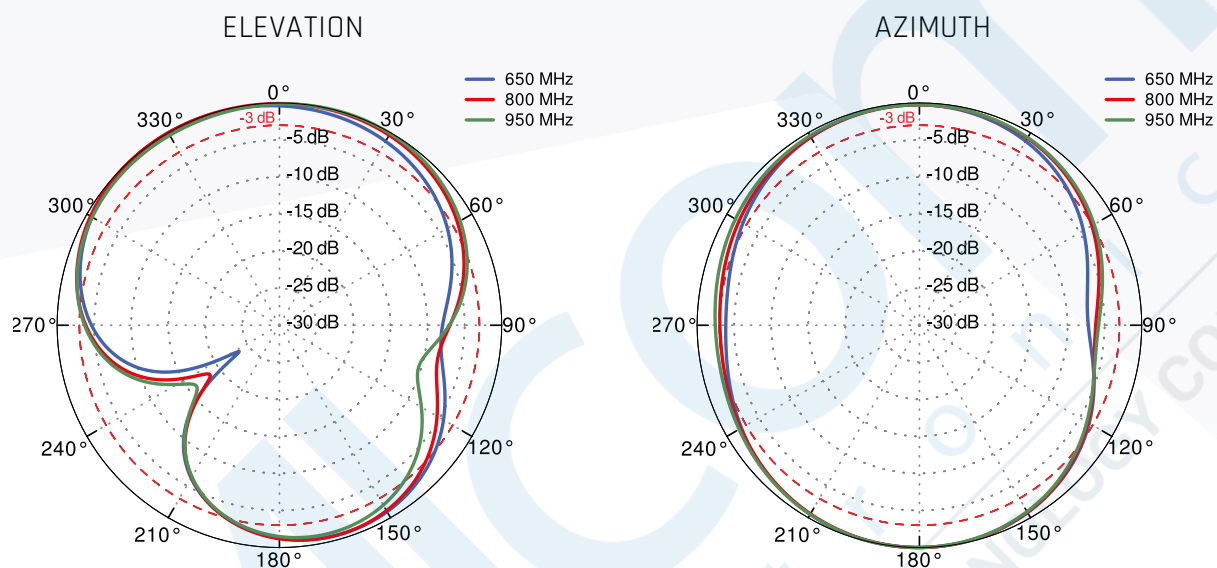


5G/LTE Gain

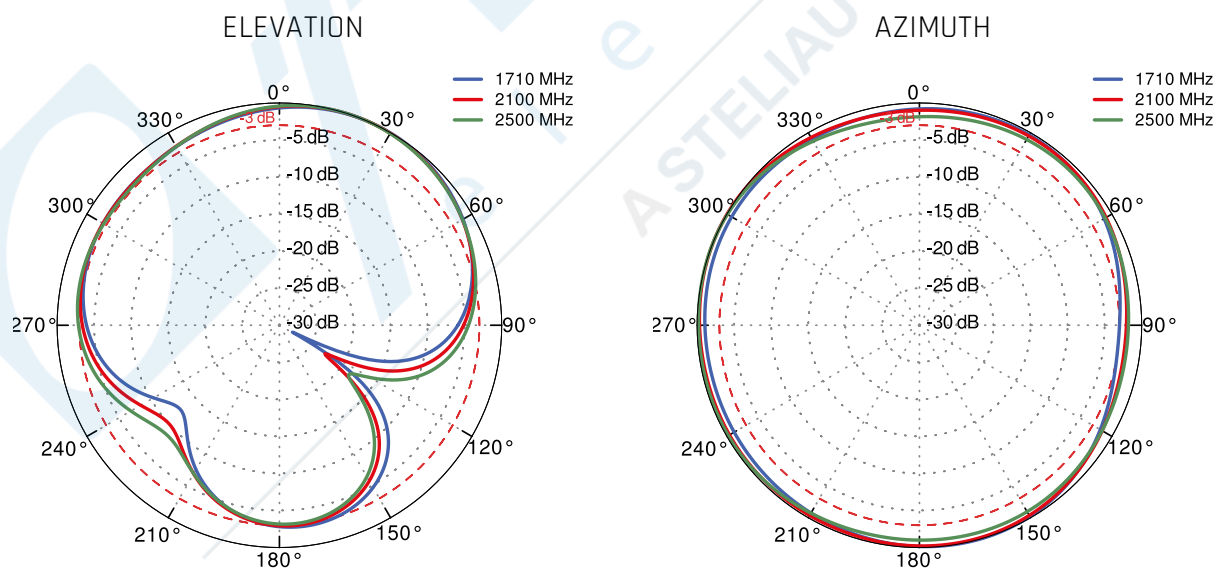




5G/LTE from 650MHz to 950MHz

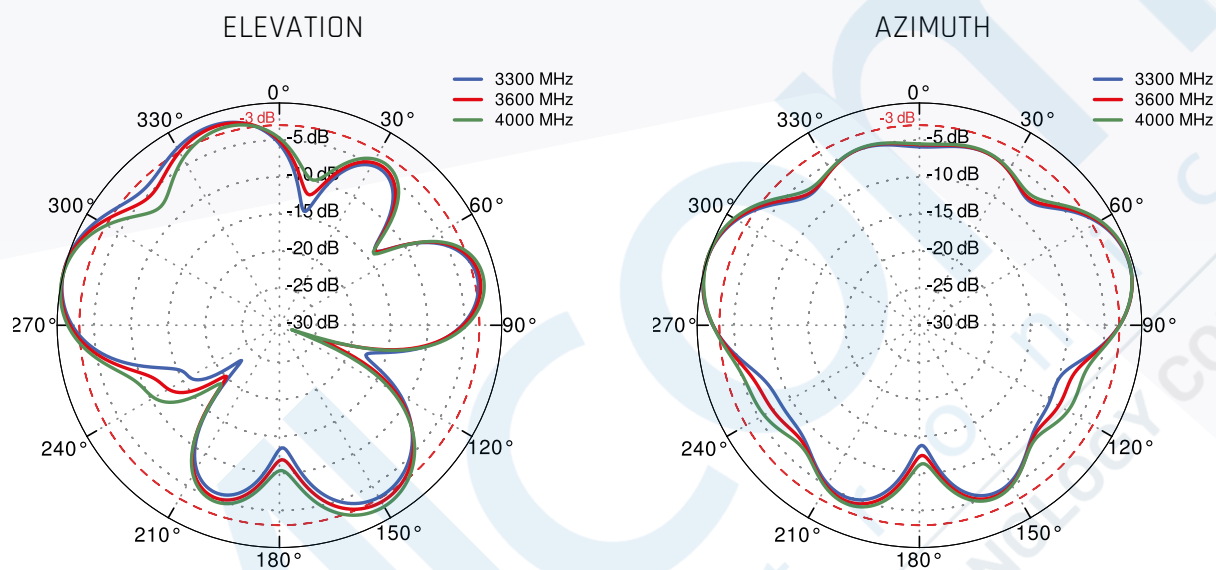


5G/LTE from 1.71GHz to 2.5GHz

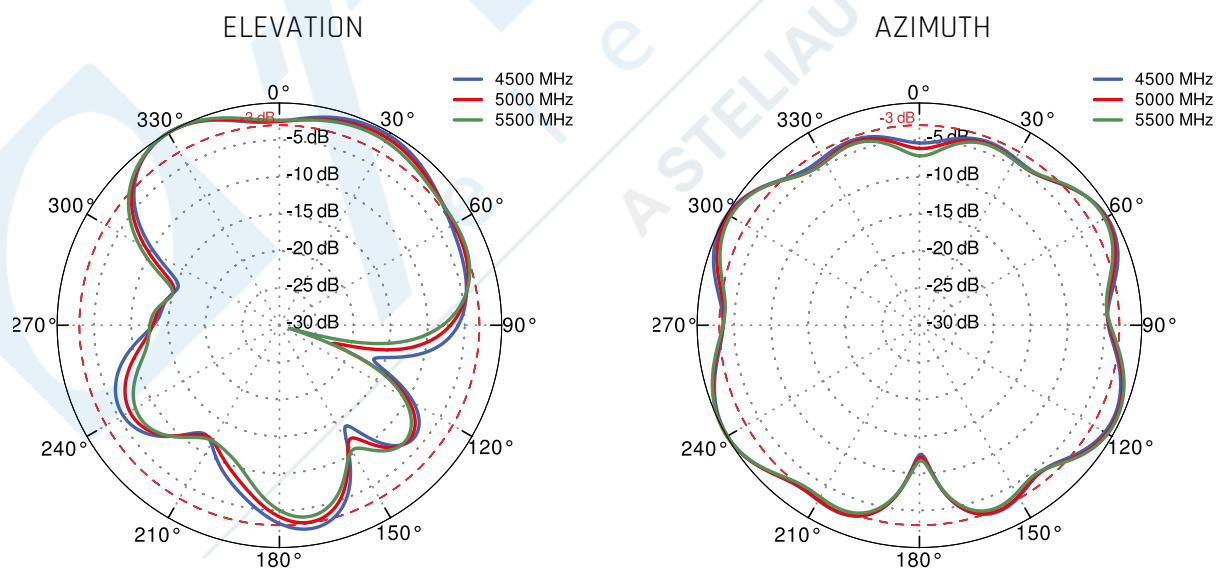




5G/LTE from 3.3GHz to 4.0GHz



5G/LTE from 4.5GHz to 5.5GHz





DIMENSIONS

