

Part Number: CT-ANTNFA1000- EUR

Manufacture: CoreTigo Ltd

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4250405

PRODUCT DATA SHEET

TigoNFA is a Near Field Antenna, designed as complementary . (product to a Eupen radiated cable (PN CMC12

TigoNFA is designed to maximize the RF signal power received avinghwhen placed in close proximity to the radiated cable, while ncyelow far field radiation efficiency. The low radiation effici signal,iprovides high immunity to external interferers, such as Wi-F rBluetooth and IO-Link Wireless signals transmitted from othe .master units



To read more about IO-Link Wireless solutions click here or log on <https://www.coretigo.com/solutions/>

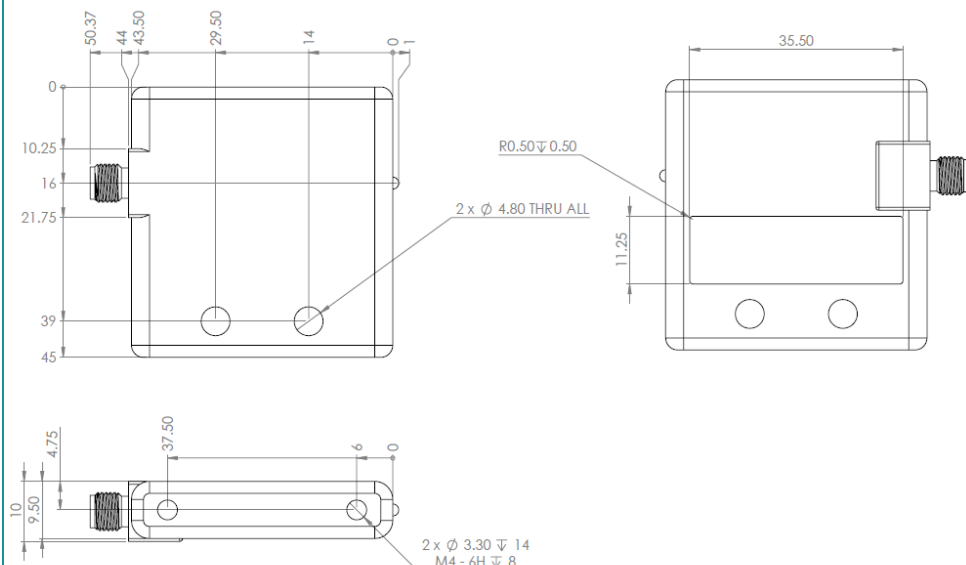
Antenna Characteristics

Peak Gain (dBi)	-10
Far Field Radiation Efficiency	<1%
Frequency Range (MHz)	2400 - 2500
Maximum input power (W)	1

Mechanical Data

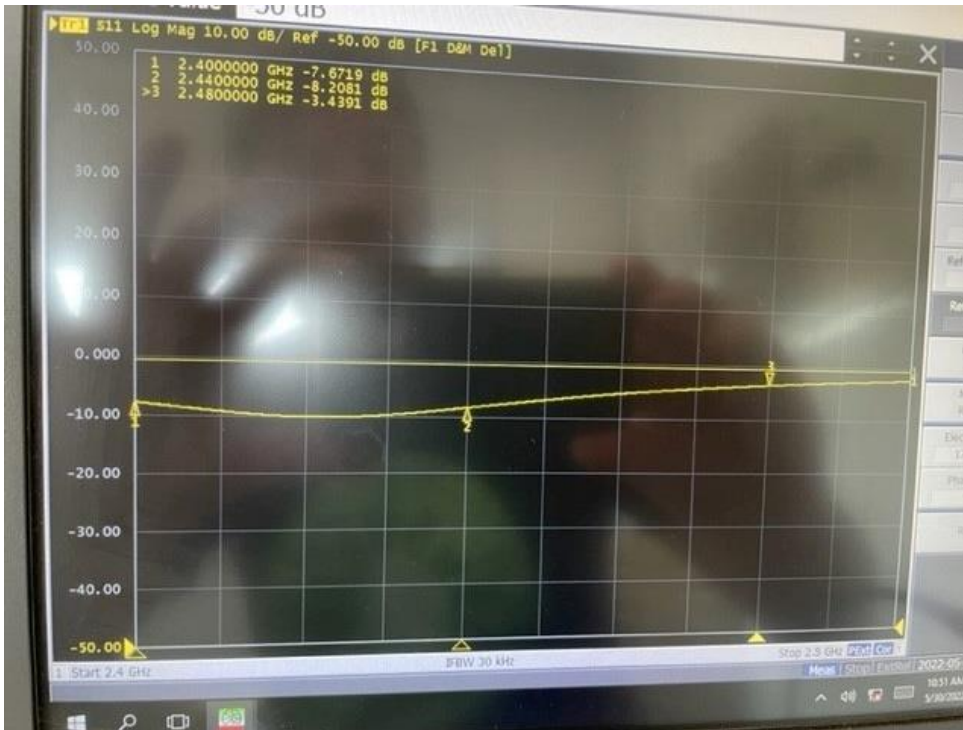
Dimensions

Units are in mm



Weight	x [gr]
Mounting	M4 Mounting holes: - 2x through holes on the top - 2x Insert holes on the back side
Color	Black
Operating Conditions	
Operating Temperature	-25°C to 60°C
Storage Temperature	-40°C to 80°C
IP rating	IP67
Interfaces	
Connector	Female SMA – standard polarity
Other	
RoHS	Compliant

VSWR



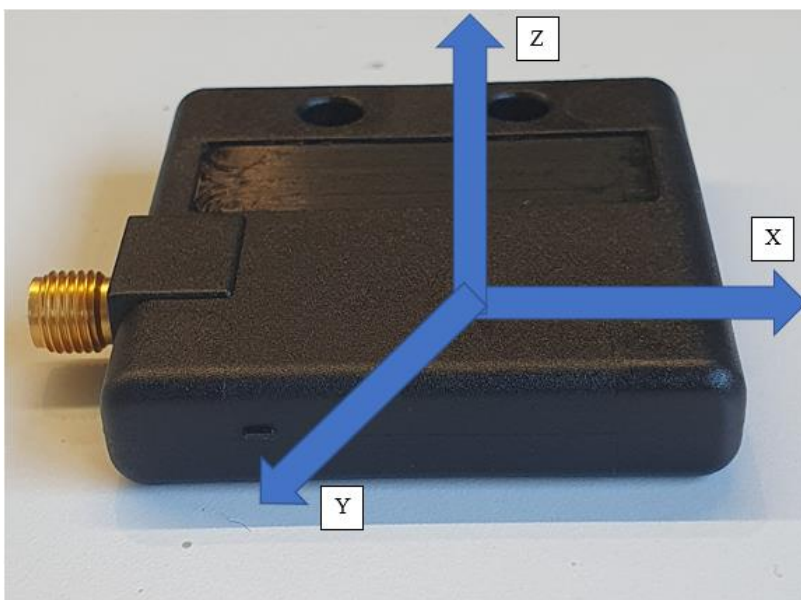
S_{11} @ 2400MHz = -7.67dB

S_{11} @ 2440MHz = -8.2dB

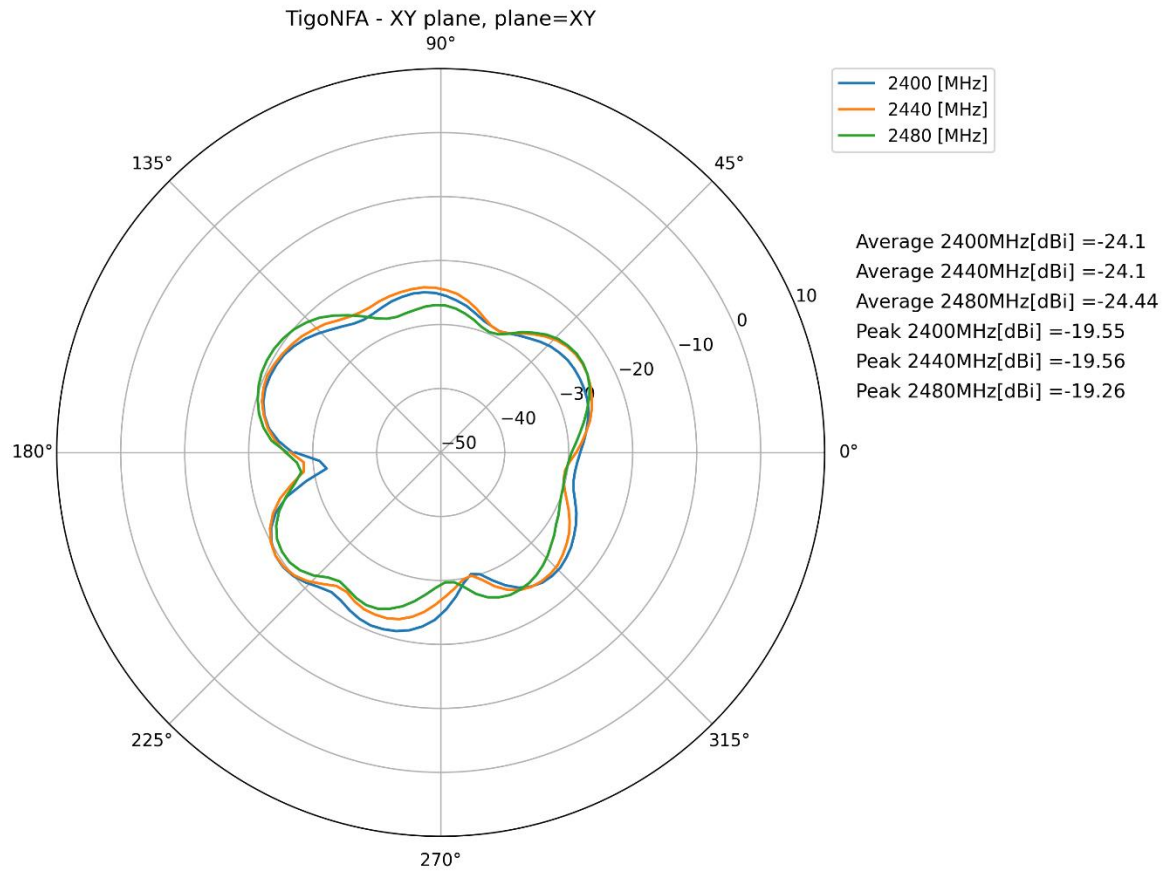
S_{11} @ 2480MHz = -3.43dB

Radiation Pattern

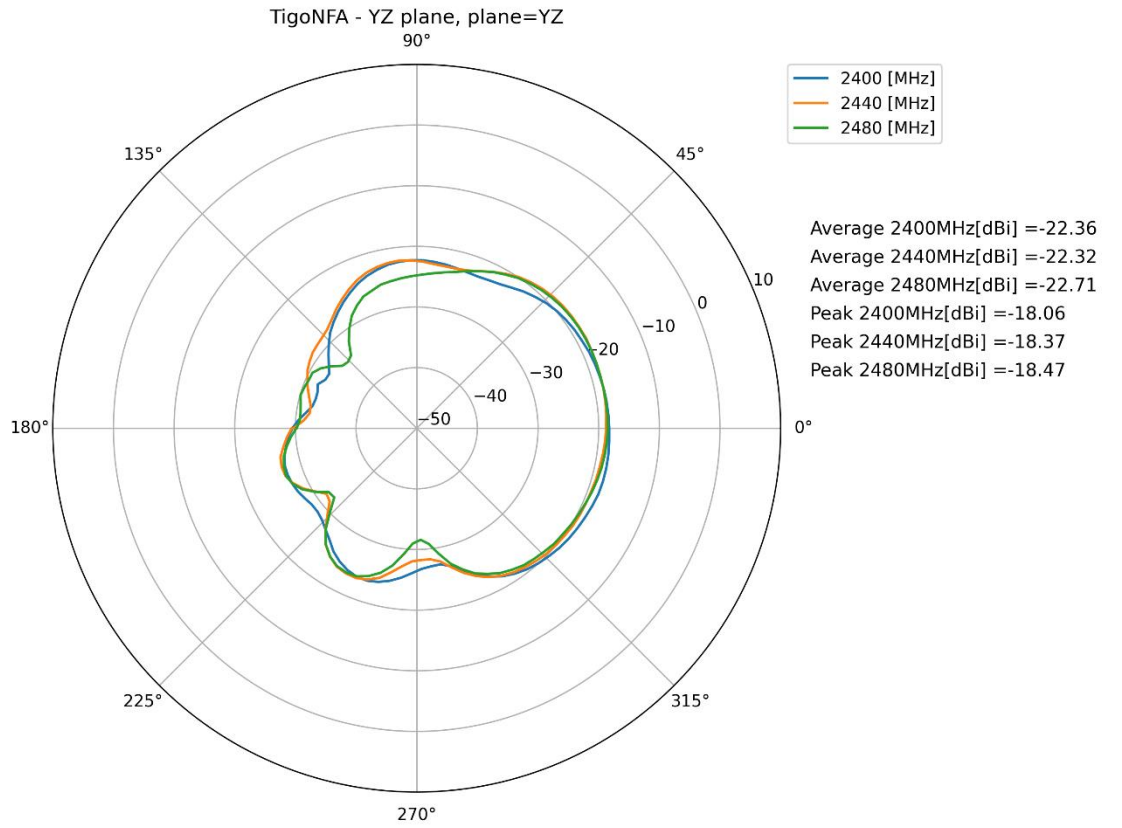
Antenna Orientation



XY-Plane:



YZ Plane:



ZX Plane:

