

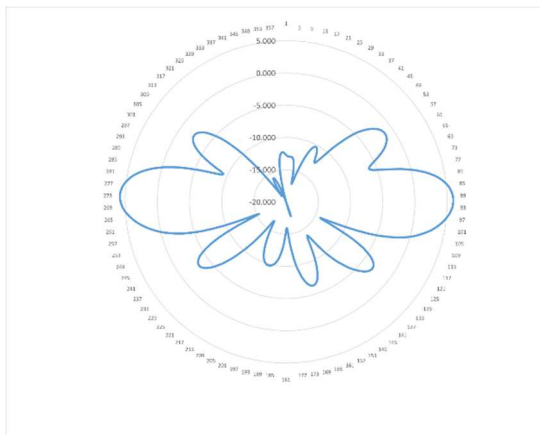
2400-2500MHz Antenna

Specifications

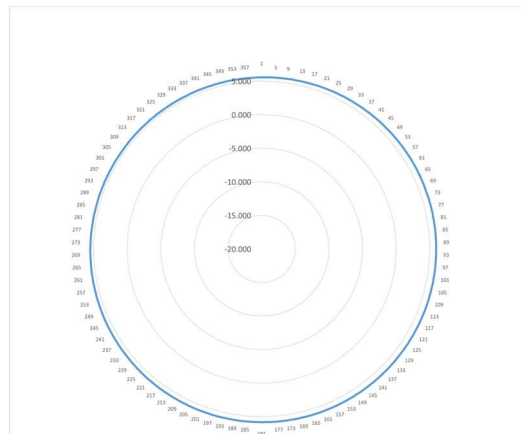
Model	RAKARX21	
Electrical Specifications	Frequency Range	2400-2500MHz
	Peak Gain	6dBi
	VSWR	≤ 2
	Efficiency	>70%
	Feed Impedance	50 Ohms
	Polarization	Vertical
	Horizontal Beamwidth	360°
	Vertical Beamwidth	30°
	Connector Type	SMA-type

Mechanical specifications	Dimensions (mm)	Φ 13.0 mm x 198.0 mm
	Operation Temp (°C)	-40 °C ~ +75 °C
	Storage Temperature	-40 °C ~ +85 °C
	Humidity range	5%~95%

Vertical plane pattern



Horizontal plane pattern



2400-2500MHz Antenna

RAKARW02

Features

The 8 dBi Fiberglass antenna is an outdoor, high-performance antenna, designed to withstand harsh outdoor conditions. It is specially designed for LoRa in the 2400-2500 MHz band . The antenna connector is one with the antenna body - this design further increases the resistance of the antenna to external conditions. With a length of only 480 mm, this antenna will be the best fit for your LPWAN gateway or outdoor deployed RAK Hotspot.

- ✦ Quite good VSWR
- ✦ Max Gain: 8dBi
- ✦ High efficiency

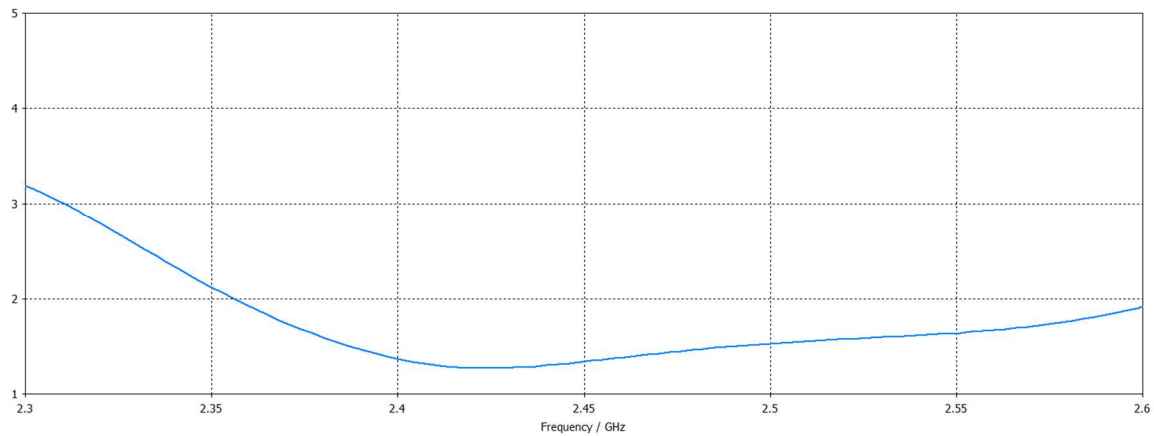


Specifications

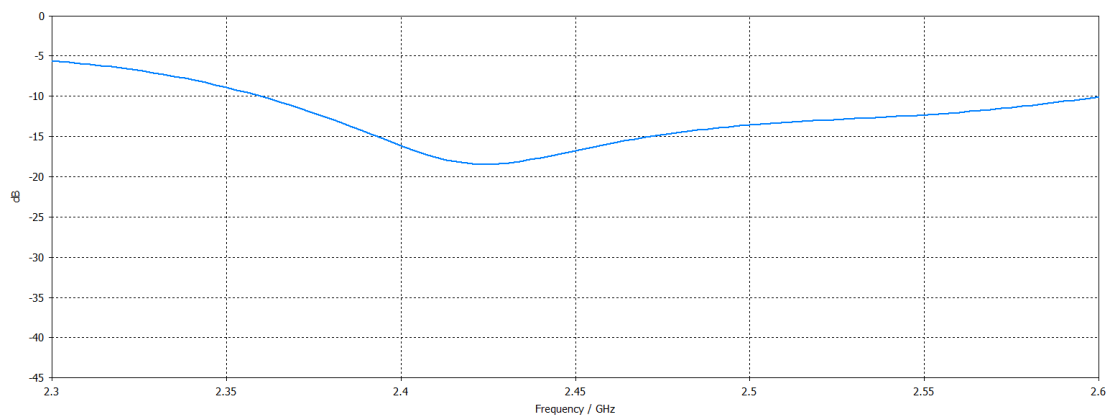
Model	RAKARW02	
Electrical Specifications	Frequency Range	2400~2500MHz
	Peak Gain	8dBi
	VSWR	≤ 1.8
	Efficiency	>70%
	Feed Impedance	50 Ohms
	Polarization	Vertical
	Horizontal Beamwidth	360°
	Vertical Beamwidth	17°
	Cover Material (Color)	Fiberglass (White)
	Connector Type	N-type male

Mechanical specifications	Dimensions (mm)	Φ 27.0 mm x 480.0 mm
	Operation Temp (°C)	-40 °C ~ +75 °C
	Storage Temperature	-40 °C ~ +85 °C
	Humidity range	5%~95%

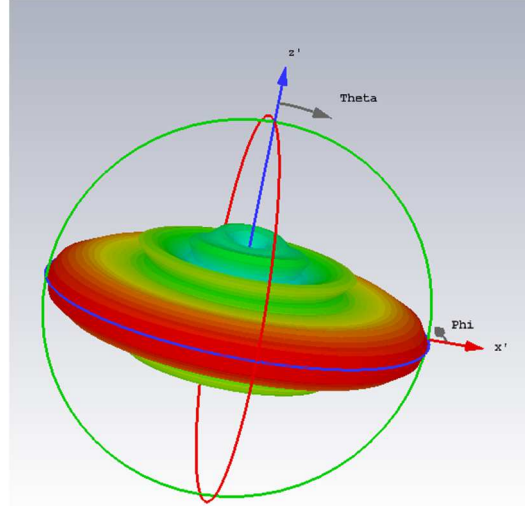
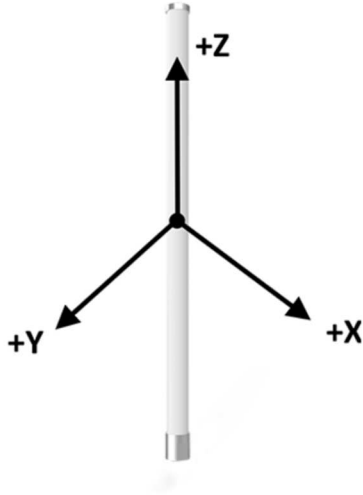
VSWR



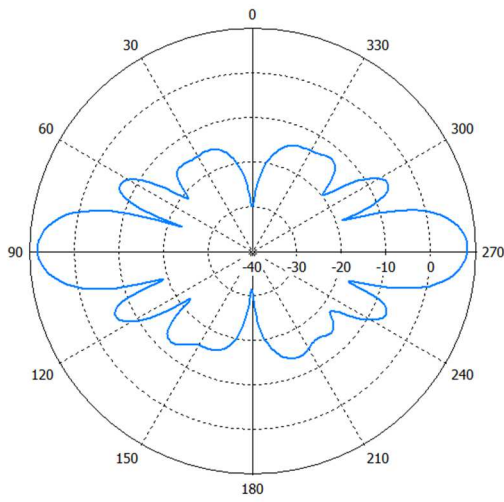
S11



Radiation Patterns



XZ(YZ)



XY

