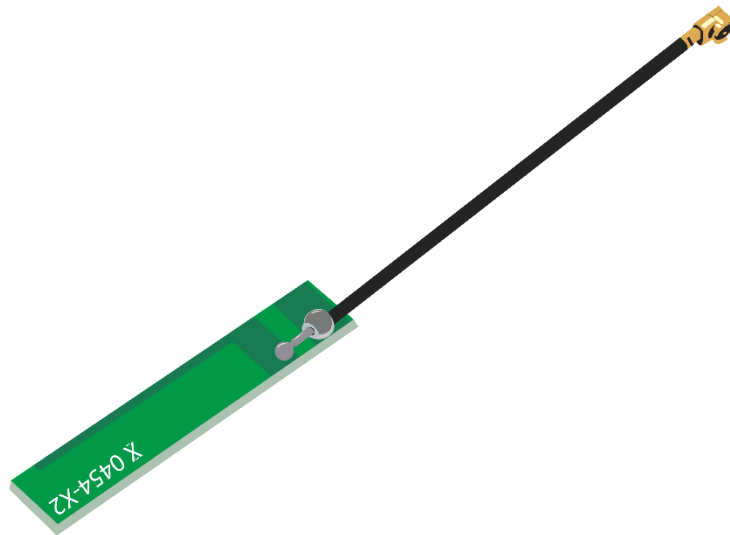


WisBlock LoRa PIFA Antenna (868 MHz and 915 MHz dual bands)

Product Description

WisBlock LoRa 868 MHz and 915 MHz dual bands PIFA antenna offers a small footprint and superior gain characteristics which is very ideal for IoT node devices. Its size offers flexibility on enclosures without compromising performance with its omni-directional characteristics.



Features

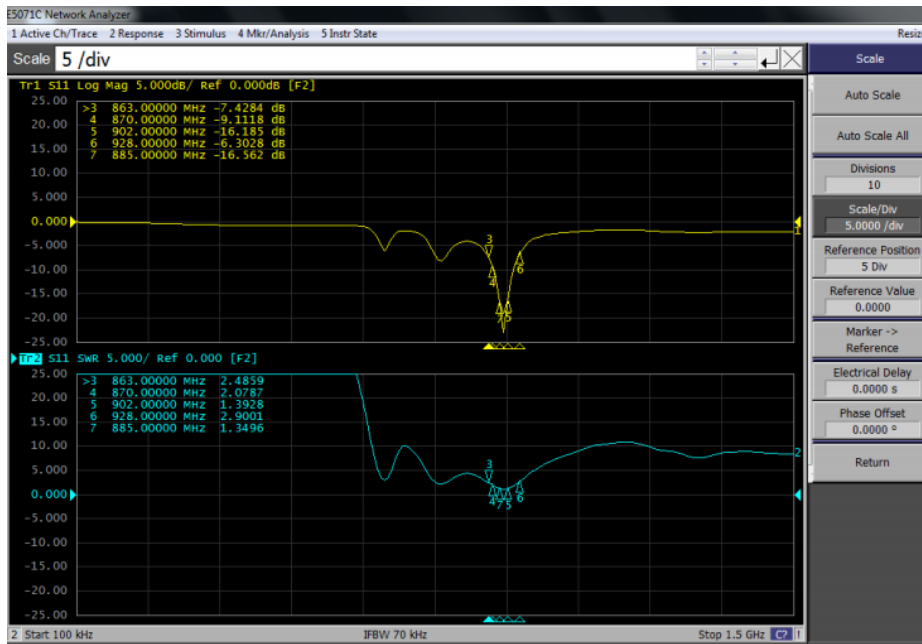
- Frequency Range: 863~870 MHz, 902~928 MHz
- Peak Gain: 1.5 dBi
- VSWR: ≤ 2.5
- Little size: 33.0 mm x 6.2 mm x 1.0 mm
- Impedance: 50 Ohm

Specifications

Model	WisBlock 868MHz and 915MHz
Frequency Range	863~870 MHz, 902~928 MHz
Peak Gain	1.5 dBi
VSWR	≤ 2.5
Efficiency	>45% (868 band), >35% (915 band)
Feed Impedance	50 Ohms
Polarization	Vertical
Antenna pattern	Omni-directional
Connector type	U.FL
Dimensions (mm)	33.0 mm x 6.2 mm x 1.0 mm
Operation Temp (°C)	-30°C ~ +75°C
Humidity range	5%~95%

S11 & VSWR

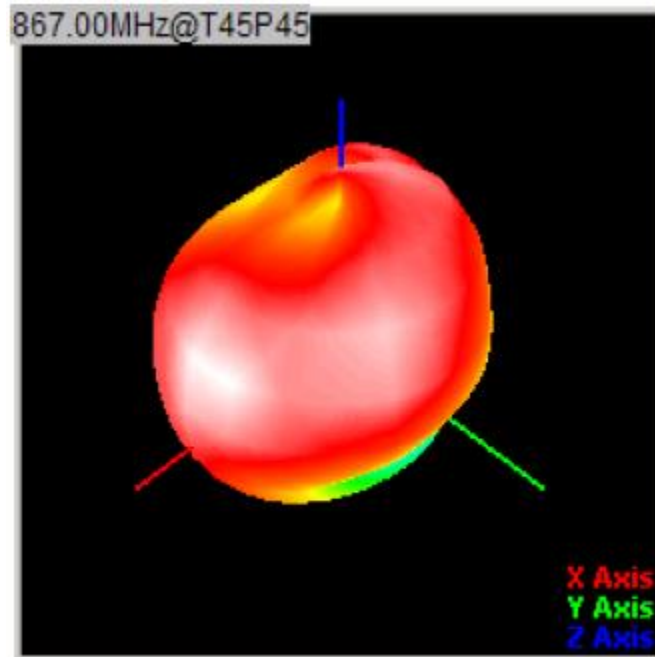
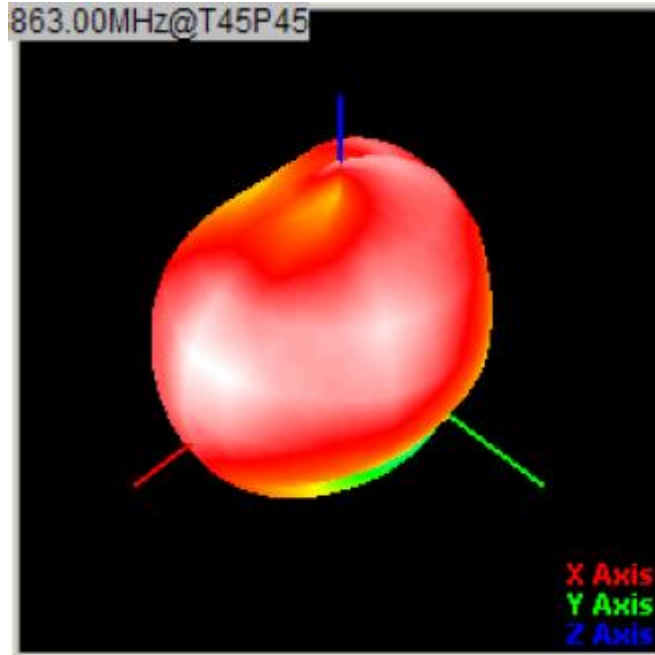
Frequency (MHz)	S11	VSWR
870 MHz	-9.1	2.0
902 MHz	-16.1	1.4

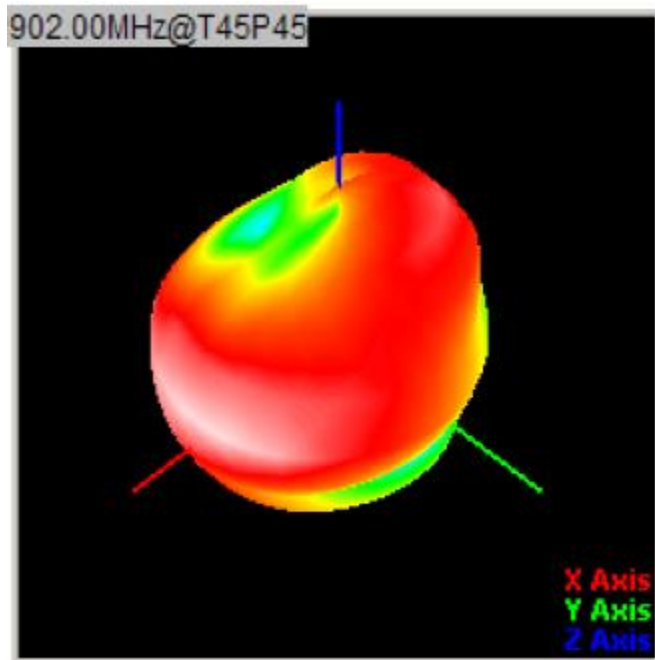
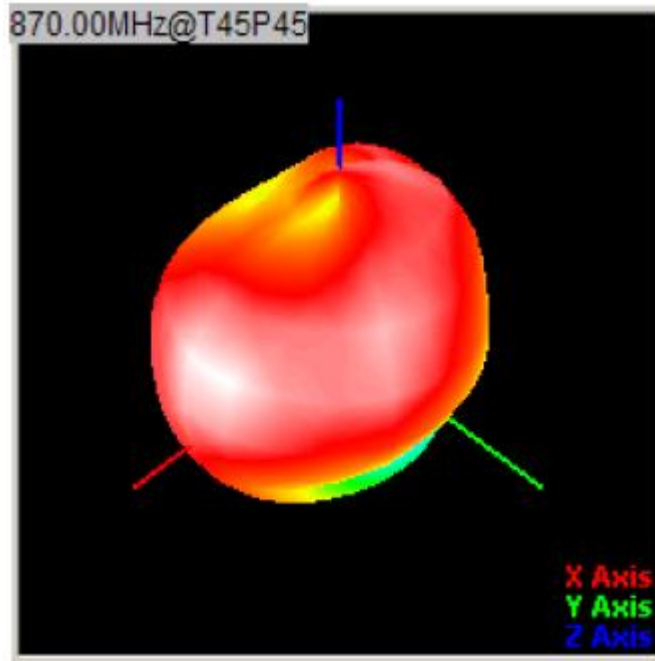


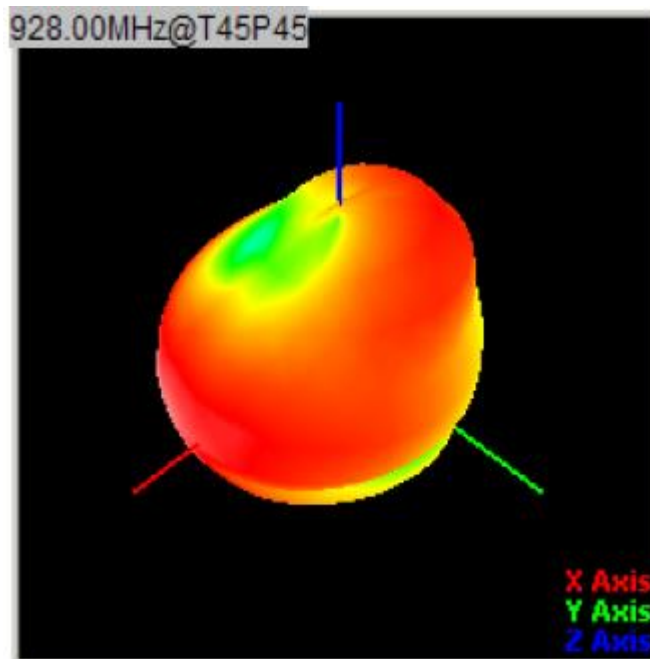
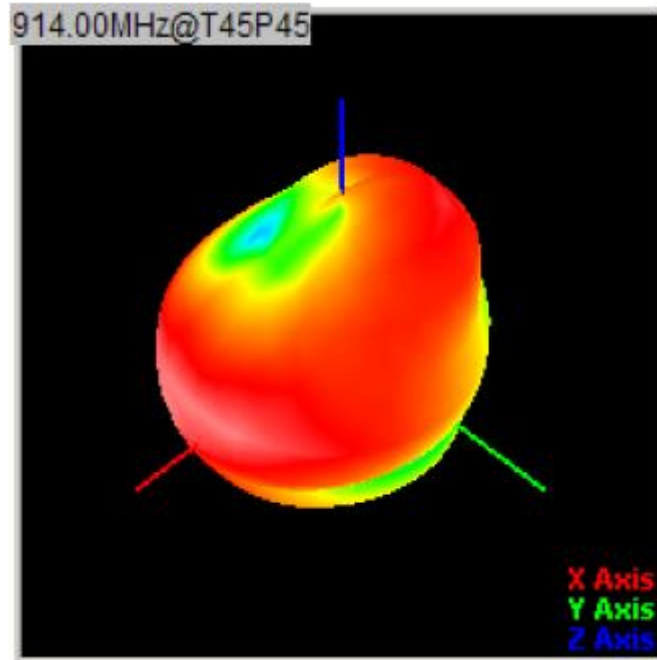
Peak Gain & Efficiency

Frequency (MHz)	peak Gain (dBi)	Efficiency (%)
870	1.45	46.7
902	0.88	44.4

Radiation Patterns







Mechanical Specifications

