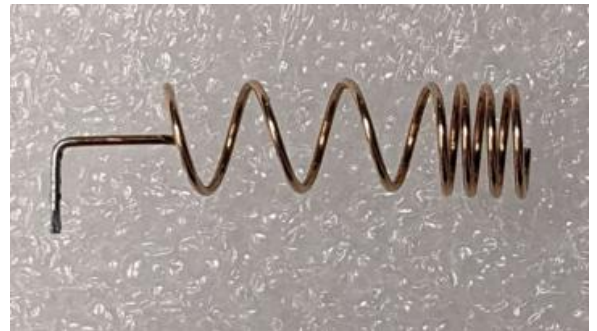


SI328100009

868/915 MHz Thru-Hole Mount



FEATURES

Thru-Hole Mount
Low Profile
Ground Plane Dependent
868 / 915 MHz ISM
- 863-870
- 902-928 MHz
22.8 x Ø 5.5 mm

ANTENNA AND ELECTRICAL SPECIFICATIONS

Parameters	868/915 MHz ISM Antenna	
Standards	ZigBee, ISM, SigFox, LoRa	
Band (MHz)	868	915
Frequency(MHz)	863-870	902-928
Return Loss (dB)	~-10.4	~-15.2
VSWR	~1.8:1	~1.4:1
Peak Gain (dBi)	~-0.7	~-0.3
Impedance (Ohm)	50	
Polarization	Linear	
Radiation Pattern	Omni-Directional	
Max Input Power (W)	25	
Connector Type	SMA-Male-RP Standard	

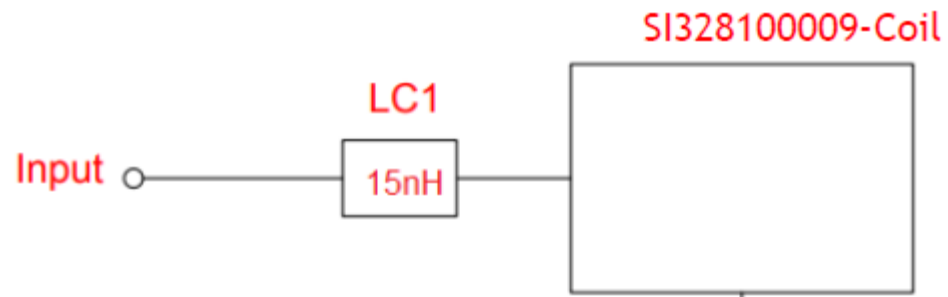
Antenna Measurement Conditions

Mounted on WillowBee Device by BiPOM
Measured in Certified CTIA 3D Anechoic Chamber

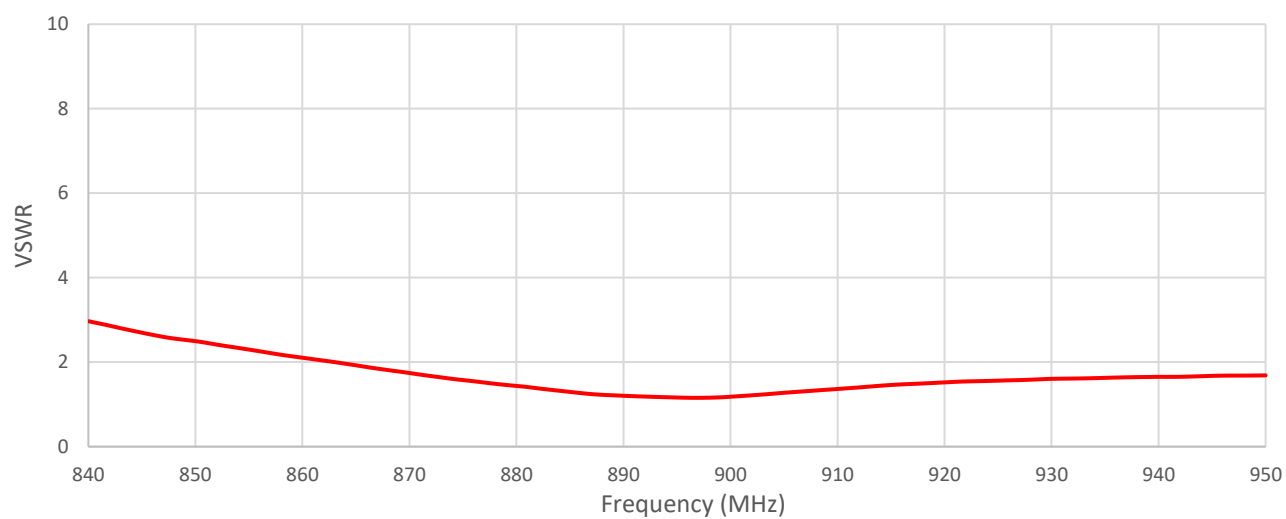
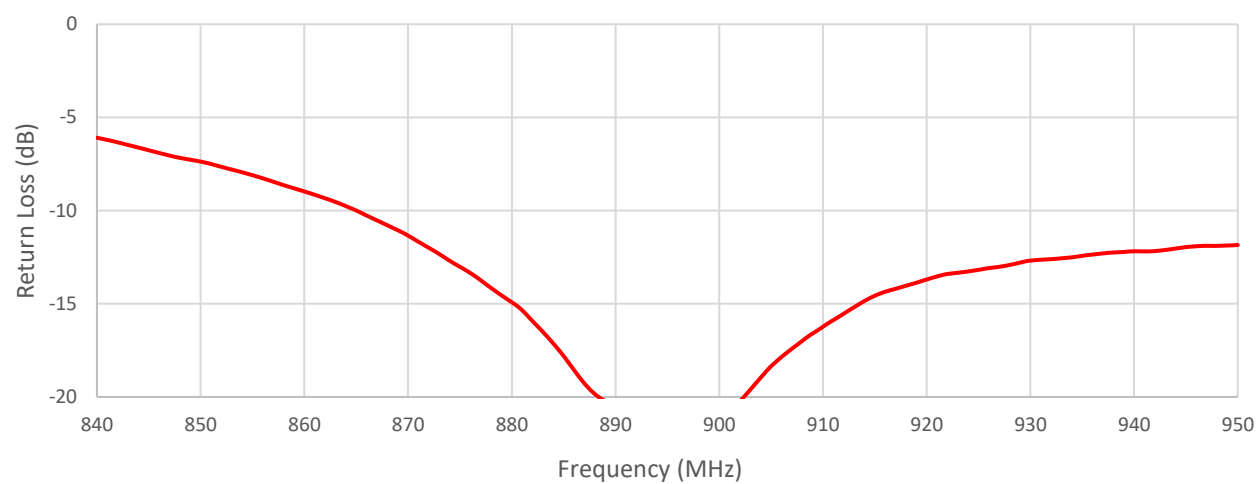
MECHANICAL AND ENVIRONMENTAL SPECIFICATIONS

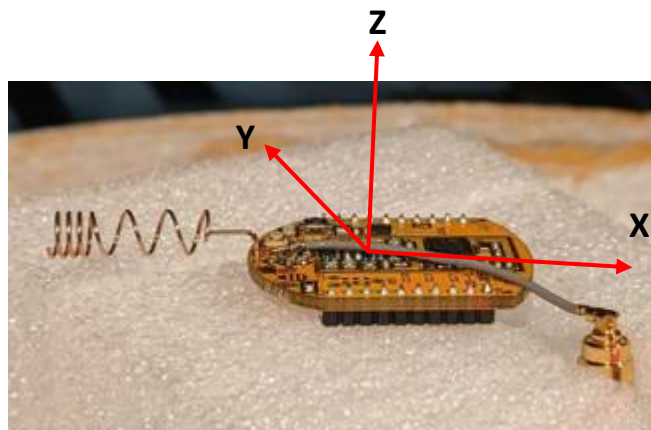
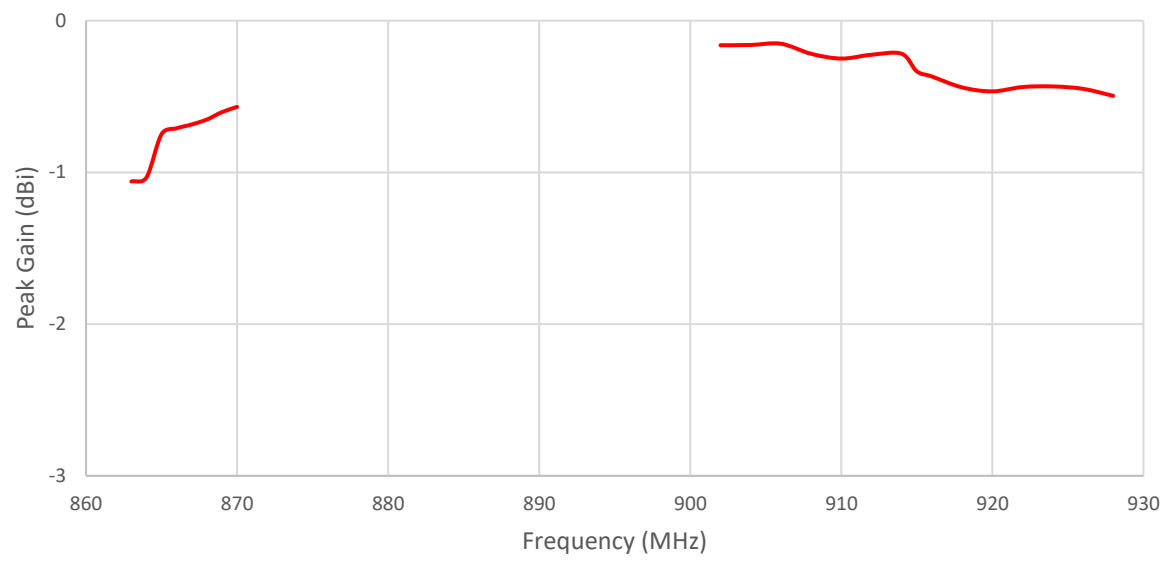
Specification	SI328100009
Mounting Type	Thru-Hole Mount
Dimensions (mm)	22.8 x Ø 5.5
Operating Temperature (C)	-40 to +85
Storage Temperature (C)	-40 to +85
Ingress Protection	IP56
Substance Compliance	RoHS

MATCHING INSIDE OF TRANSMISSION LINE

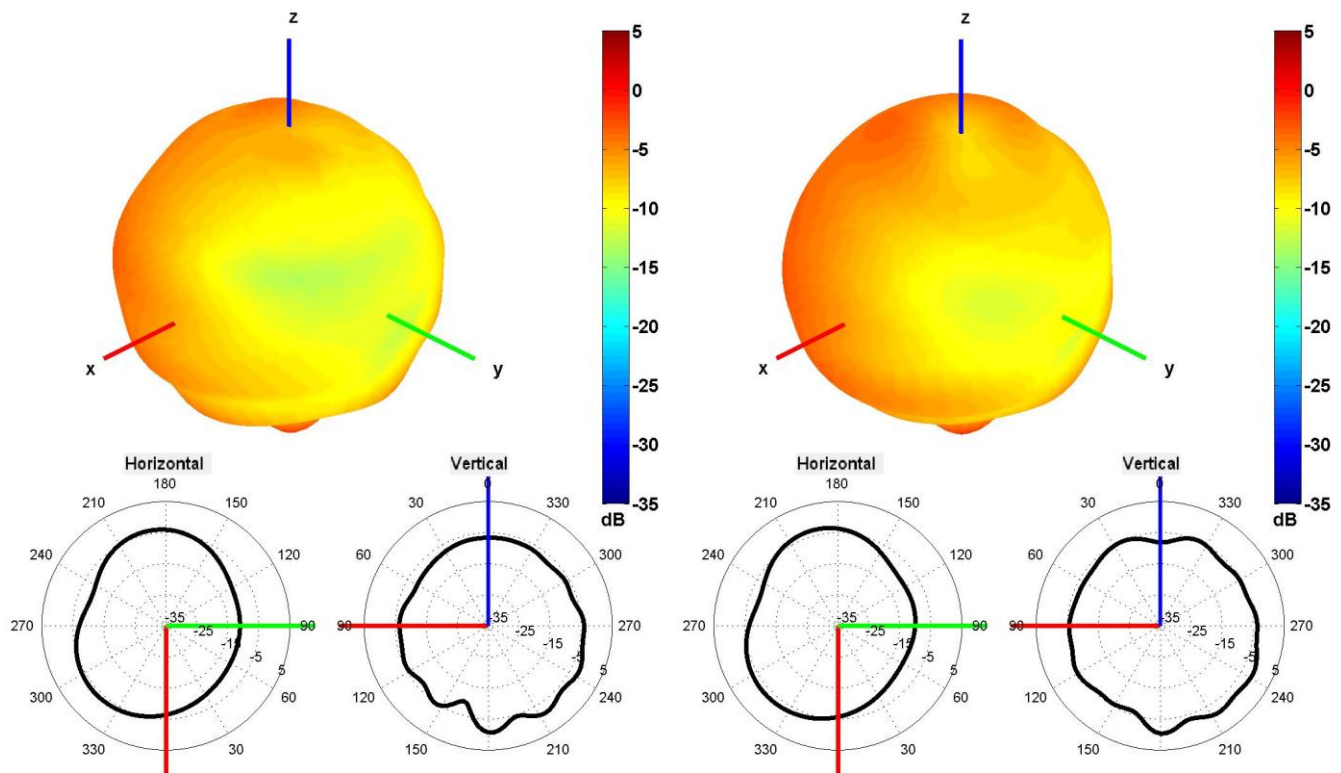


ANTENNA PARAMETERS





RADIATION PATTERN REFERENCE



868 AND 915 MHz RADIATION PATTERN

ANTENNA IMAGES

