

Manufacturer: Unictron Technologies Corp.

Address: 5F., No. 83, Kewang Rd., Longtan Dist., Taoyuan City 32556, Taiwan (R.O.C.)

Product Name: PCB Substrate Antenna

Part Number: H2B1SD1A2C1400

Features:

- Stable and reliable in performances
- Compact size
- RoHS 2.0 compliance

Applications:

- ISM915 band
- Smart meters
- Wireless alarm and security system
- Industrial monitoring and control
- IOT applications

PCB Substrate Antenna

MODEL: W935D1

Version: A

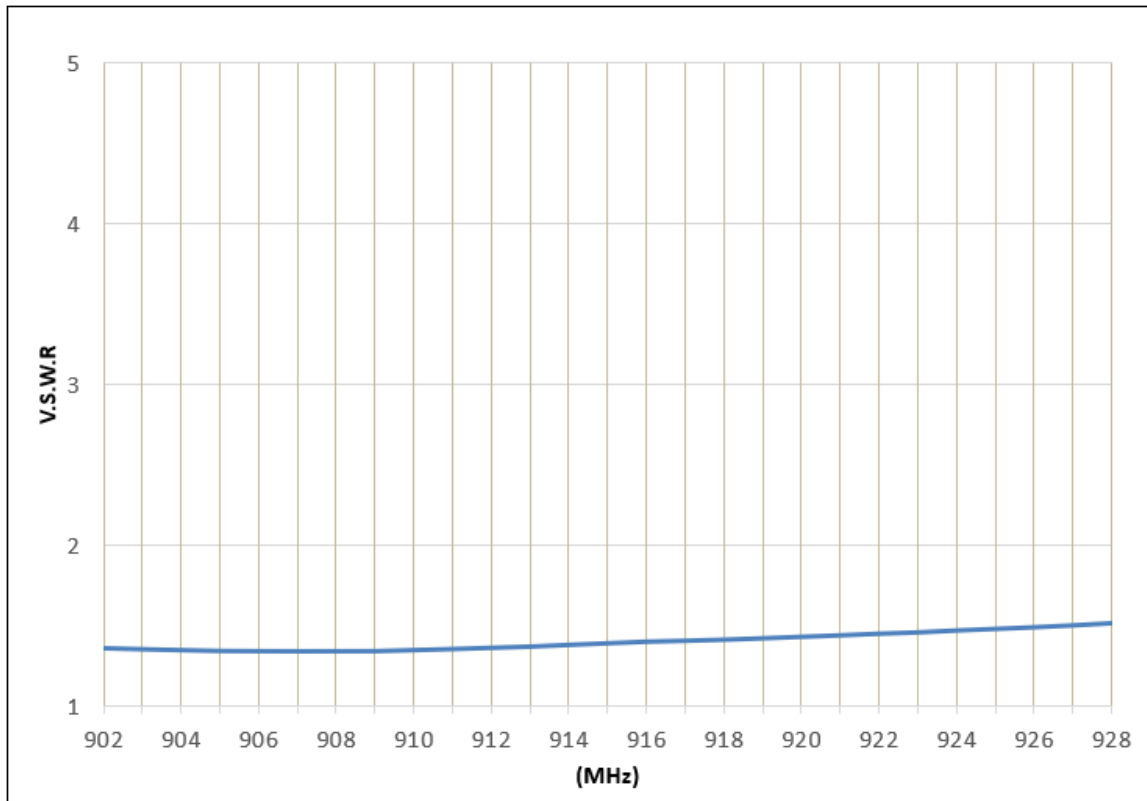
I. PCB Antenna Specifications:

Items	Specifications	
Center Frequency (MHz)	902~928	
VSWR	2 Max.	
Efficiency (%)	@ 915 MHz	63 Typ.
Average Gain (dB)		-2.0 Typ.
Peak Gain(dBi)	4.5 Typ.	
Impedance(Ω)	50	
Polarization	Linear Polarization	

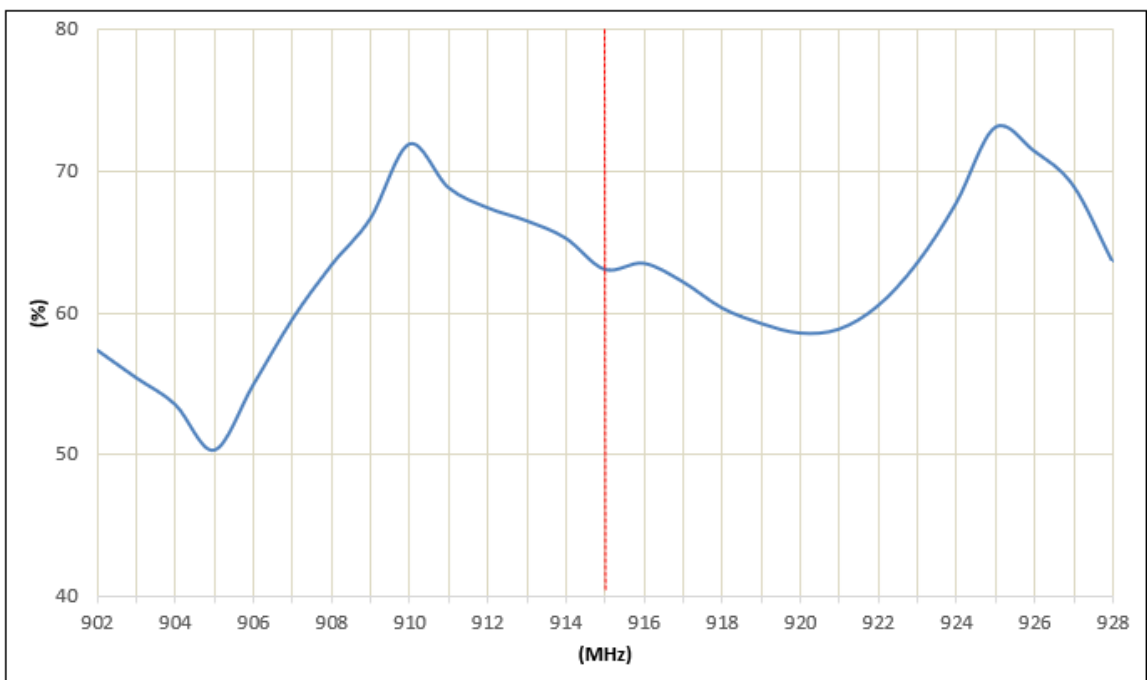
Mechanical Specifications	
Dimensions (mm)	35 (L) x 7 (W) x 0.5 (H)
Material	FR4
Environmental Conditions	
Operation & Storage Temperature (°C)	-10 ~ +85
Storage Temperature (°C) (Antenna with packing sealed)	-5 ~ +40
Relative Humidity	10 ~ 70 %

II. Properties:

a) VSWR

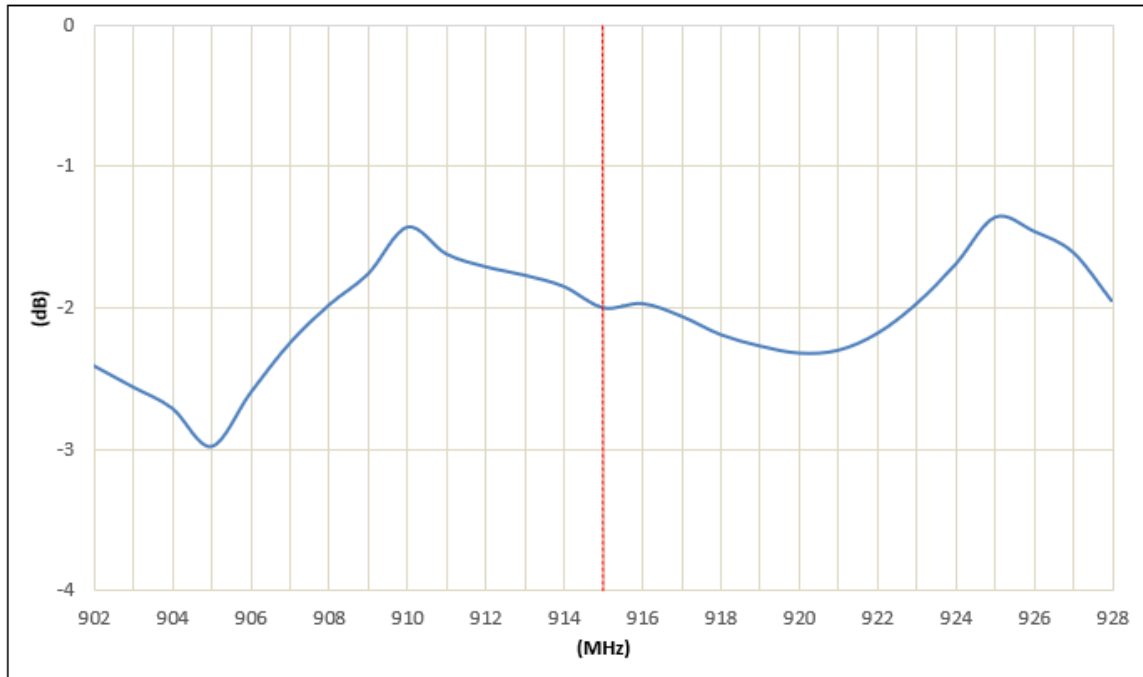


b) Efficiency (%)



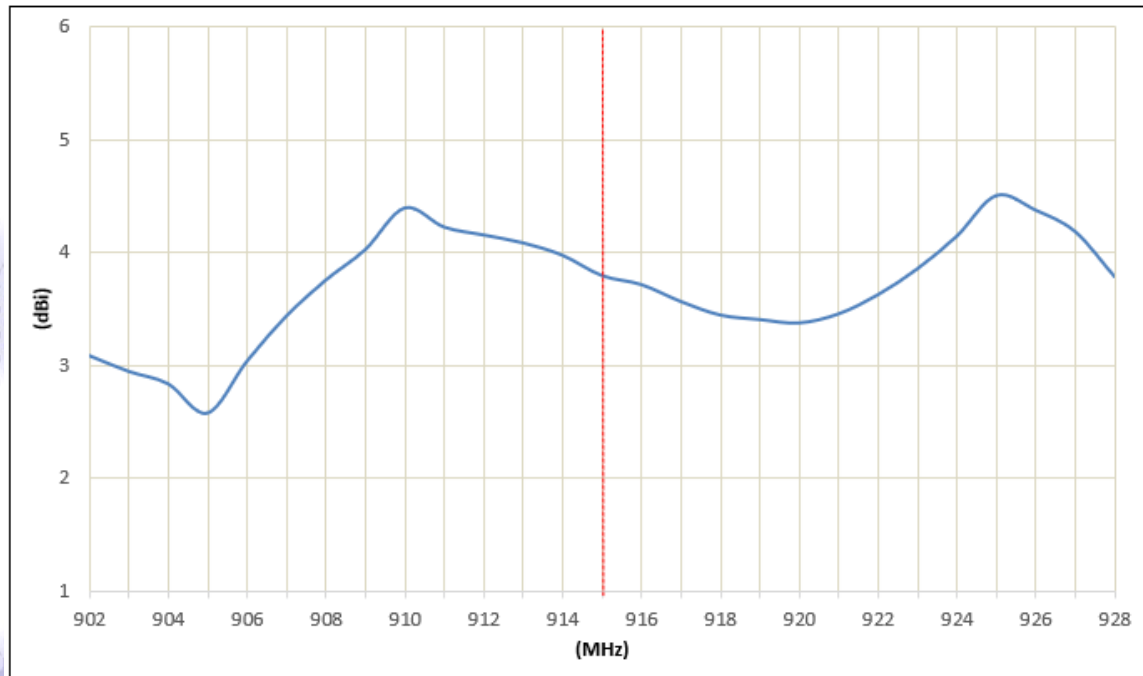
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c) Average Gain (dB)



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d) Peak Gain(dBi)



III. Antenna Radiation Pattern Measurement:

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3D Radiation Gain Pattern

@ 915 MHz (unit: dBi)

