



CoreloT 

Your antenna design partner

**865MHz LORA Fiberglass
External Antenna**



Datasheet

865MHz LORA FiberGlass External Antenna

Introduction

CoreloT Technologies offers a compact passive 865MHz Linear polarized Omni directional Fiberglass antenna for quality reception and transmission in LORA applications. The antenna is carefully designed to give maximum coverage in Horizontal Plane. The antenna improve the range and increase the performance of transmitter and reciver. The antenna is easy and flexible instaall on wall and mast. The antenna is housed in a UV protected rugged Fiberglass enclosure to provide maximum protection against extreme weather conditions.



Chamber Measurement Setup

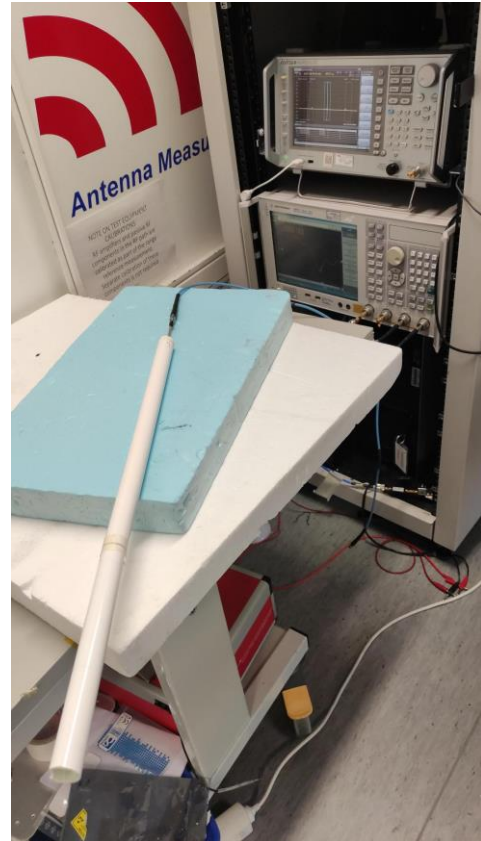
865MHZ LORA FIBERGLASS EXTERNAL ANTENNA

Electrical Specification

1. Frequency: 860 – 870MHz
2. Impedance: 50 Ω

Equipment Used

1. ETS 8050 Antenna Anechoic Chamber
2. Keysite 5071C VNA (Radiation Pattern Measurement)
3. Agilent 5071C VNA (Return Loss measurement)



BAND	860-870 MHz
Frequency(GHz)	860 – 870
VSWR	< 1.62
Return loss (dB)	< -12.5
Peak Realized Gain(dBi)	> 5.5 dBi
Radiation properties	Omni-Directional
Max. input power	50 Watts
Polarization	Linear Polarized
Impedance(ohms)	50

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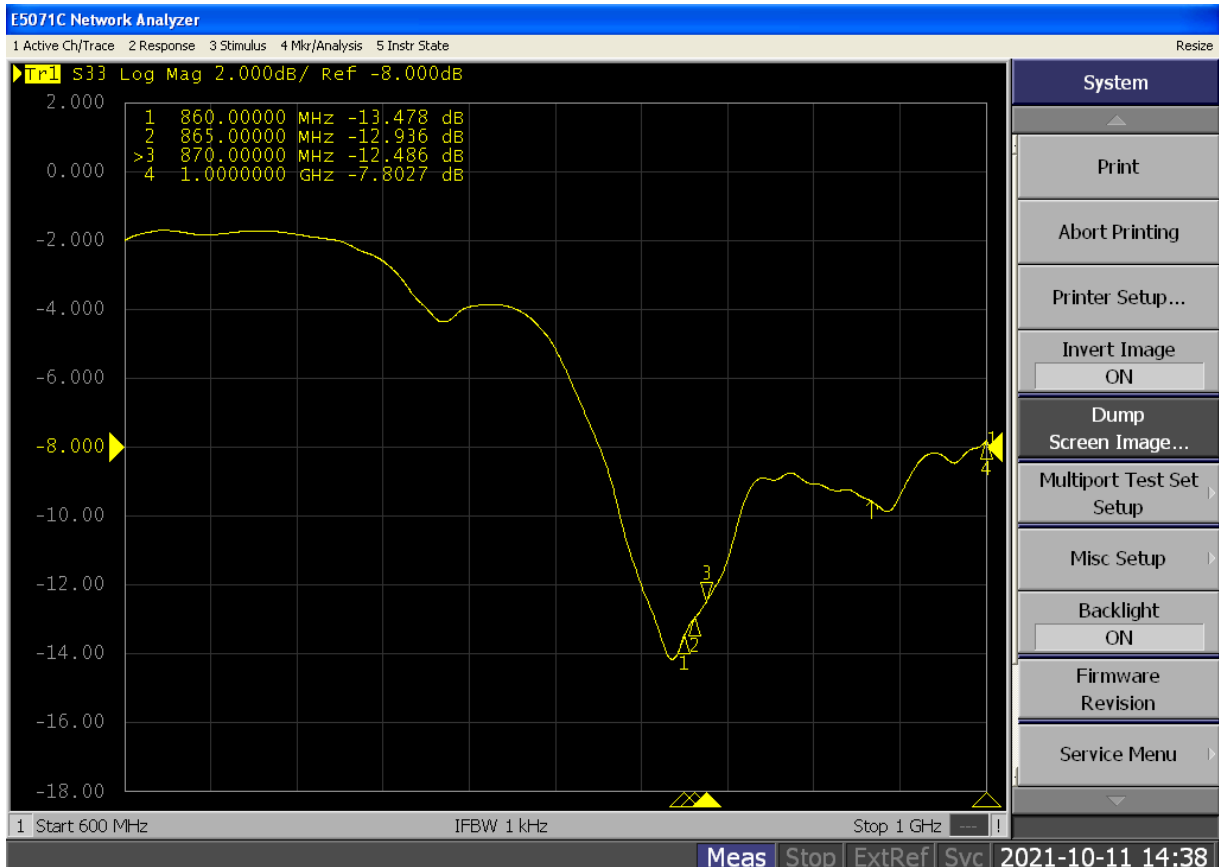
Features

1. Passive Antenna
2. 860-870MHz
3. Height of Antenna 320mm.
4. Outer Diameter Of Fiberglass 25.4mm
5. > 5.5 dBi Realized Gain
6. Linear Polarization
7. N-Connector

Applications

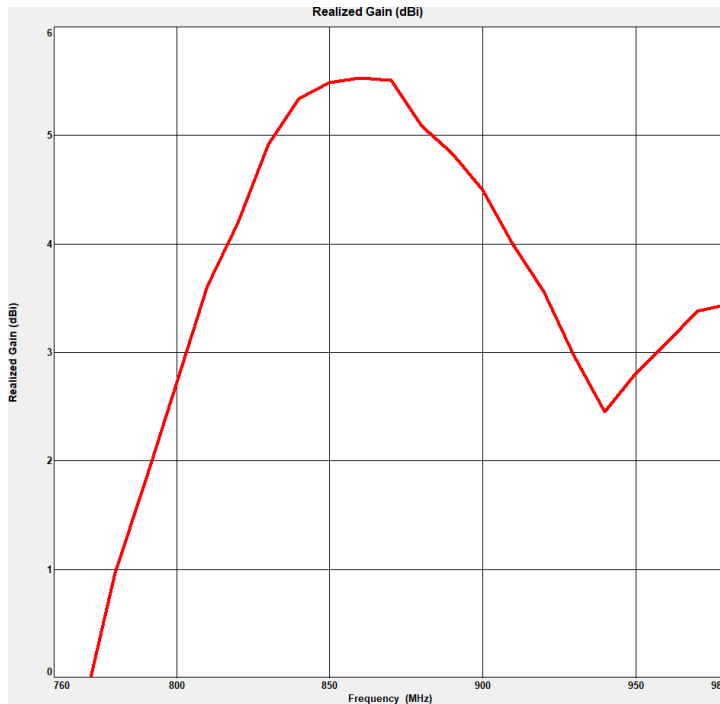
1. In-and-Outdoor
2. Smart metering
3. Remote monitoring
4. IoT Applications
5. Industrial Controls

Return loss



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Realized Gain



Radiation Pattern

