CoreIoT

Your antenna solution partner

TECHNICAL DATA SHEET

Description: LoRa 865MHz SMA Antenna

Series: External Blade Antenna

PART NUMBER: CT-XISM865SMA-01

Features:

- Passive Antenna
- 860-870MHz
- Size of antenna:184mm (Including Connector)
- Efficiency > 95%
- Realized Gain > 1.7 dBi.
- Linear Polarization
- SMA Connector (Male)

Applications:

- In-and-Outdoor
- Smart metering
- Remote monitoring
- IoT Applications
- Industrial Controls
- M2M applications

For more information:
Email: sales@coreiot.fi
Contact: vamsi.palukuru@coreiot.fi
Visit: http://coreiot.fi/

Branches: 1. Tampere, Finland
2. Ongole, Andhra Pradesh
3. Hyderabad

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ELECTRICAL SPECIFICATIONS

Antenna type	SMA External Blade Antenna
Frequency	860 -870 MHz
Nominal Impedance	50 Ω
VSWR (860-870MHz)	< 1.5
Return Loss (860-870MHz)	< -14
Average peak gain (860-870MHz)	> 1.7 dBi
Average efficiency (860-870MHz)	> 95 %
Radiation Pattern	Omni
Polarization	Linear
Power withstanding	5 W

MECHANICAL SPECIFICATIONS

Width / height / Length	184mm (Including Connector)
Weight	50 g (0.11 lbs.)
Antenna Color / Plastic material	Black / UV Protected,
Connector type/Cable type	SMA Male
Cable length	-
Fixing system	-

TEMPERATURE SPECIFICATIONS

Operating Temperature	-40° to +85° C
Ingress Protection	IP67
RoHS Compliant	Yes

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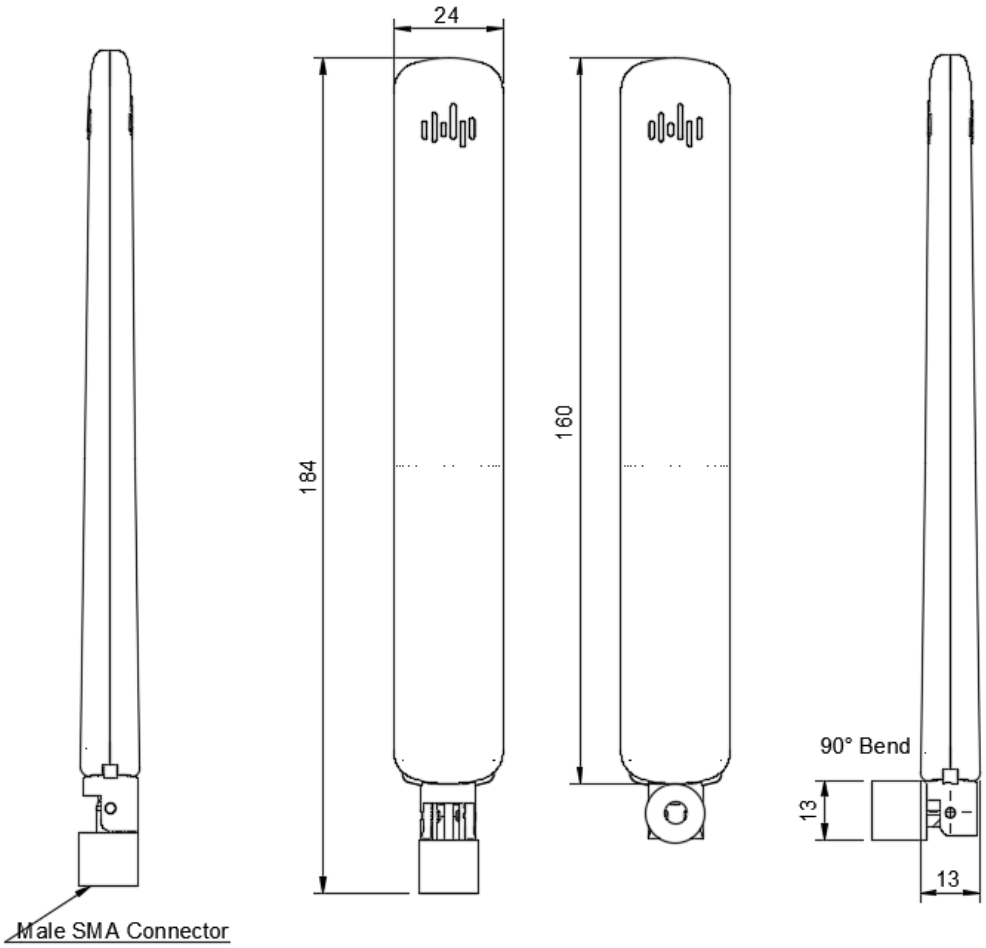
MECHANICAL DRAWING



All dimensions are in mm.

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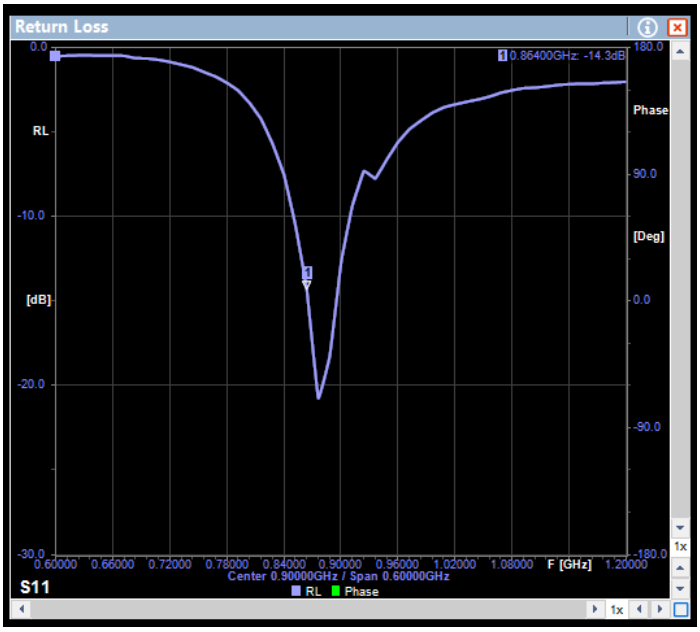
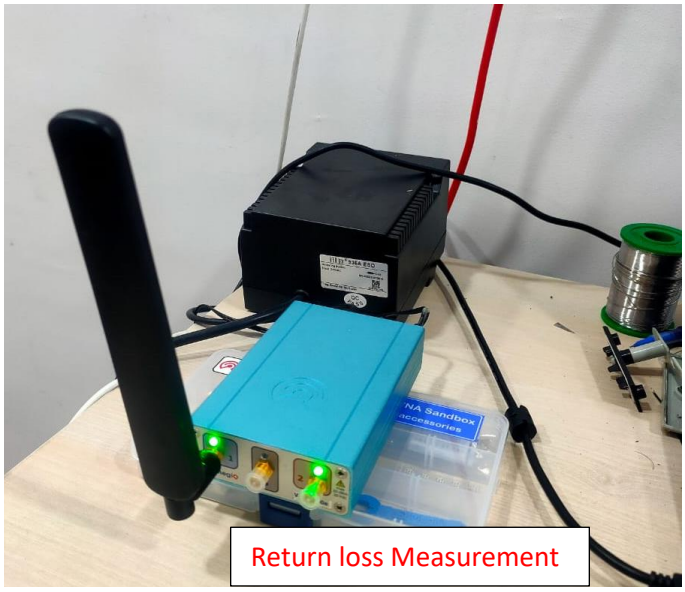
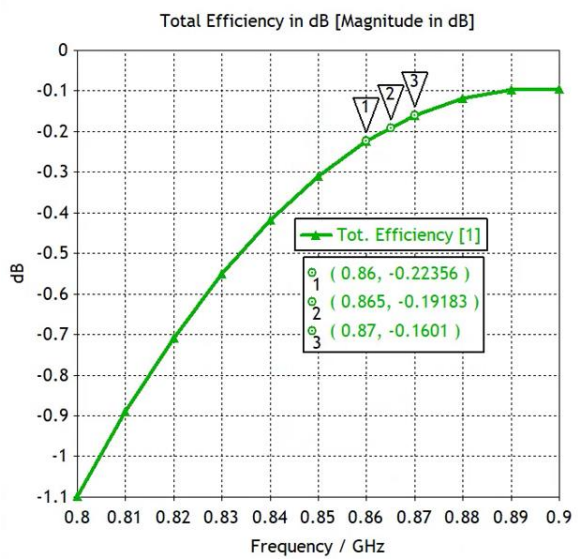
Return Loss

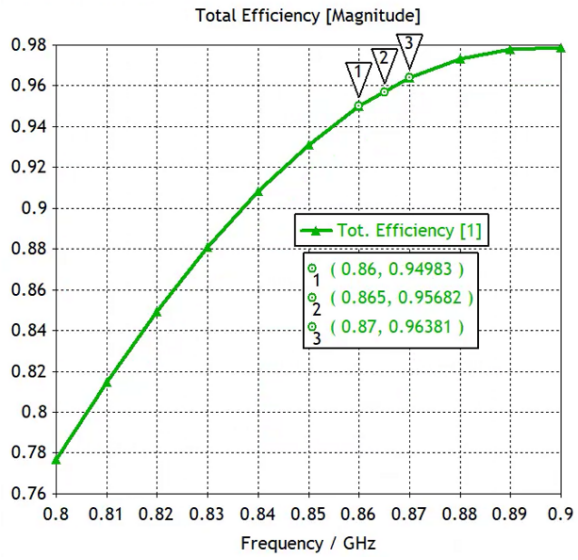




Total Efficiency



In dB Scale



In Linear Scale

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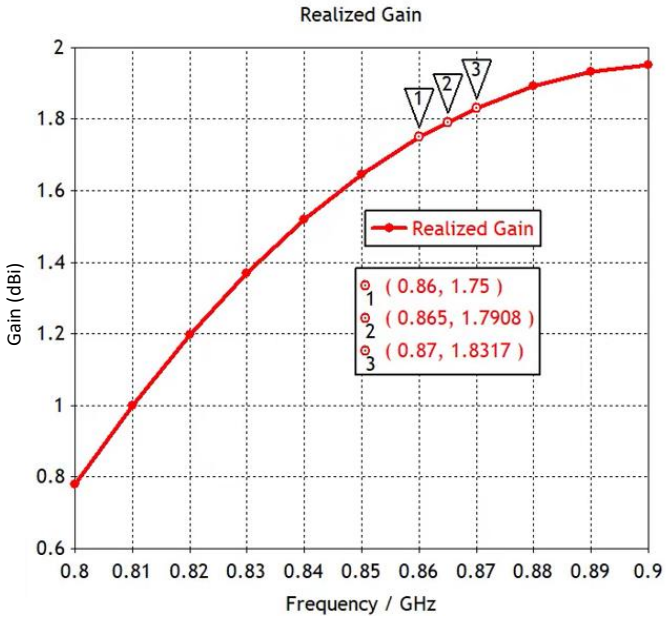
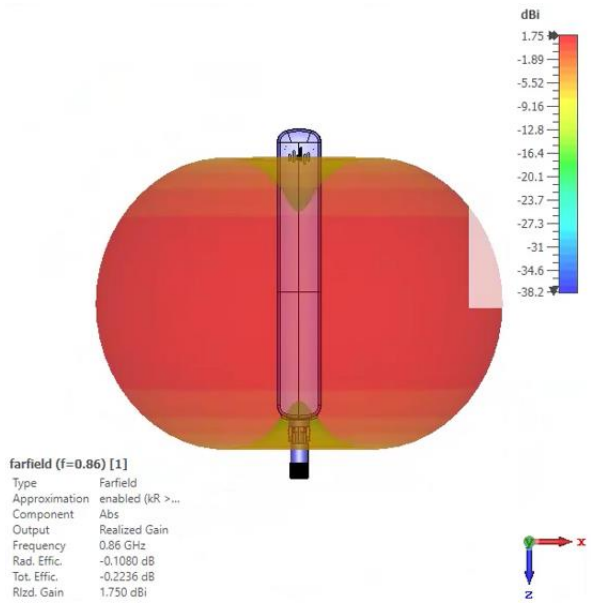
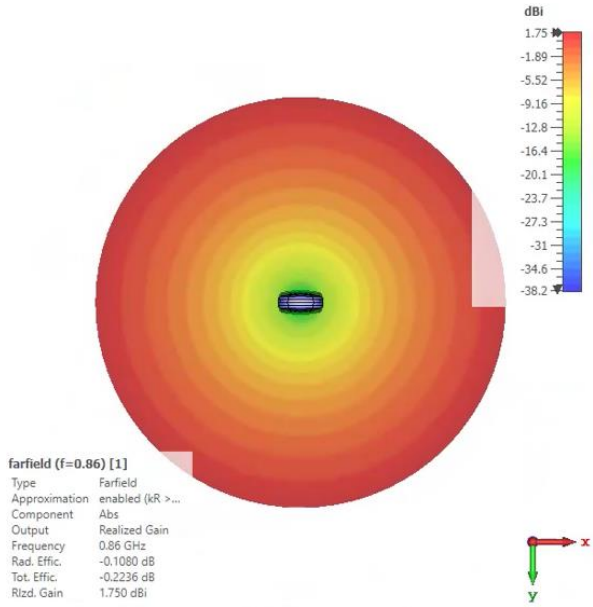
Gain And 3D Radiation Pattern







2D Radiation Pattern