



### 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

In the effort to improve our products, we reserve the right to make changes judged to be necessary.

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**ELECTRICAL SPECIFICATIONS**

Antenna type	SMA External Blade Antenna
Frequency	860 -870 MHz
Nominal Impedance	50 $\Omega$
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

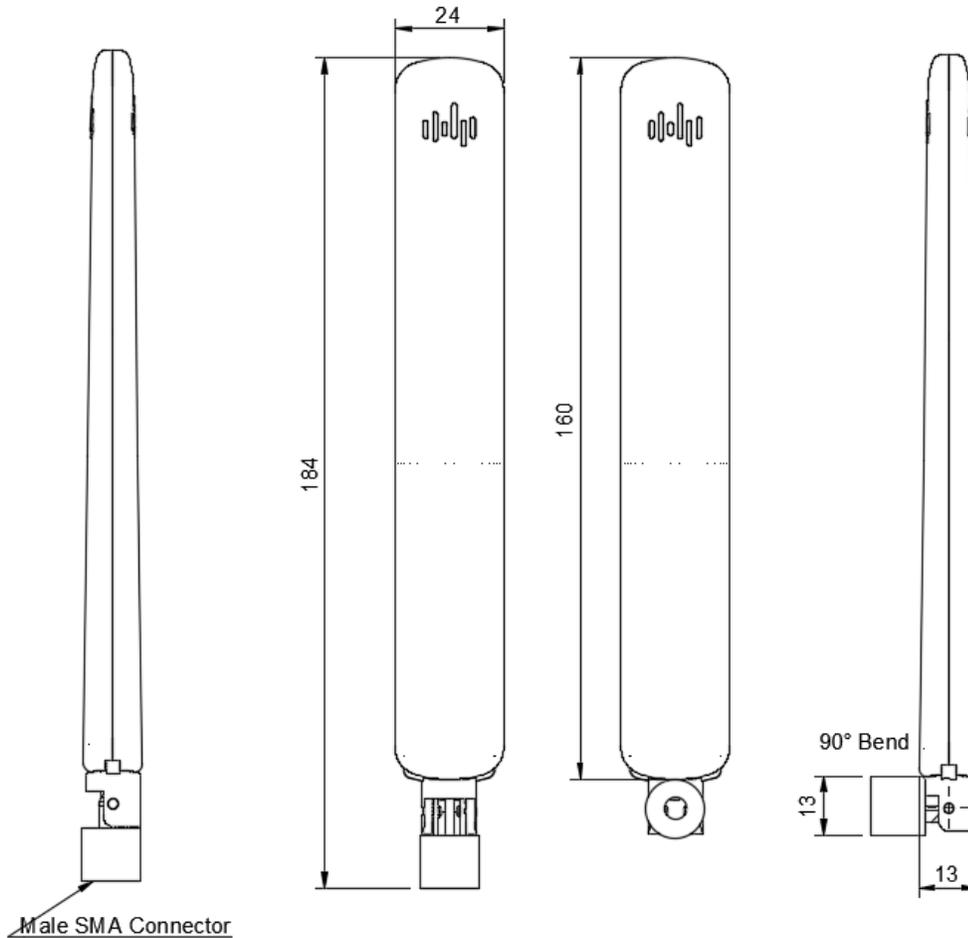
**MECHANICAL SPECIFICATIONS**

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**

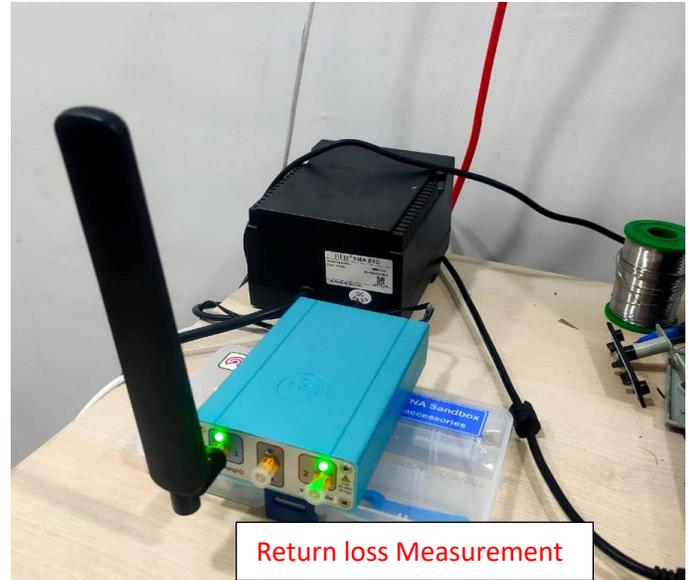
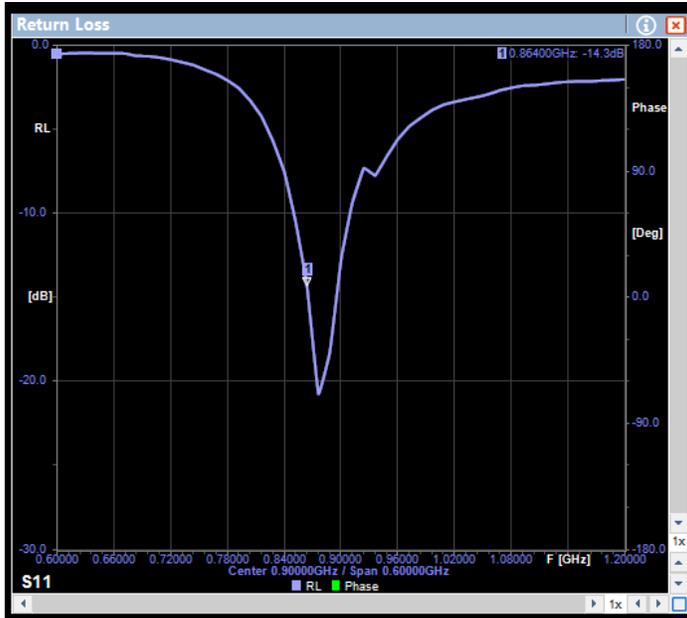
Operating Temperature	-40° to +85° C
Ingress Protection	IP67
RoHS Compliant	Yes

**MECHANICAL DRAWING**

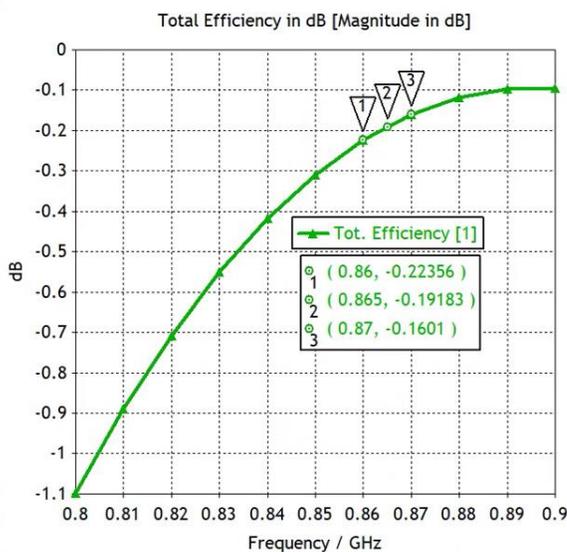


All dimensions are in mm.

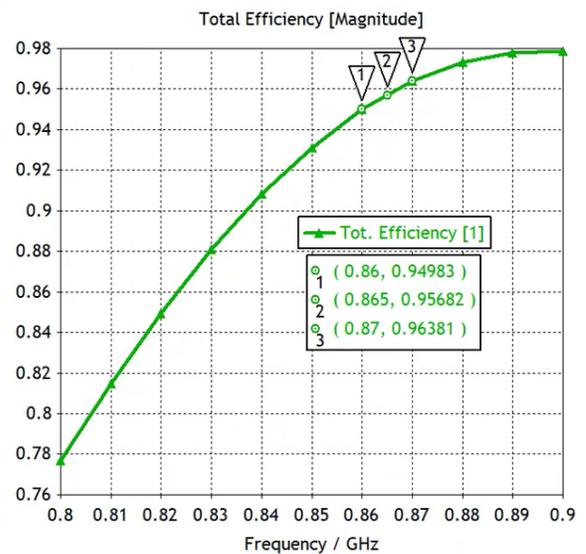
### Return Loss



### Total Efficiency



In dB Scale



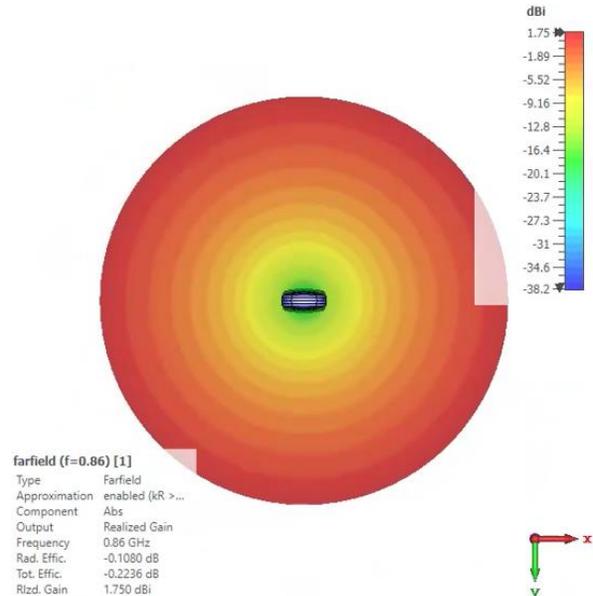
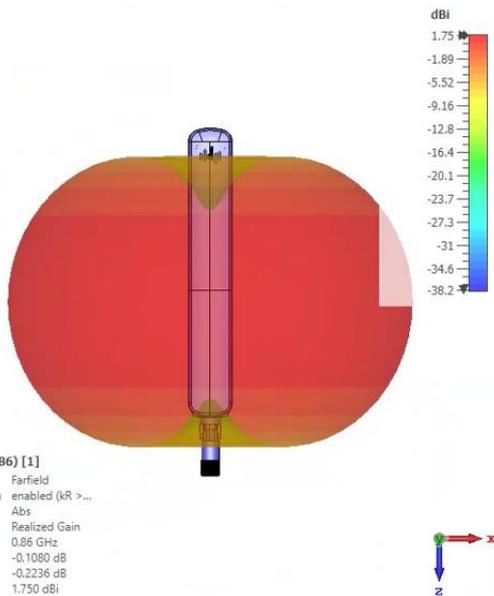
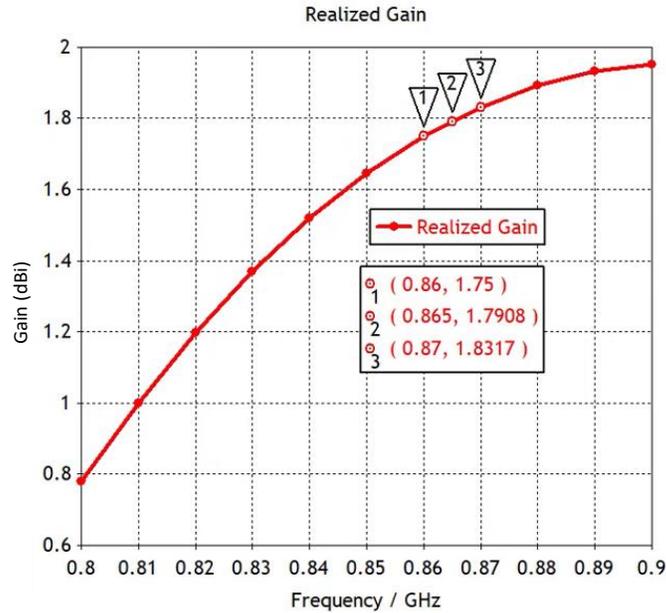
In Linear Scale

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### Gain And 3D Radiation Pattern



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**2D Radiation Pattern**

