



Coverage.
Performance.
Smart.

**External Dipole Series
ET830DBKLT SMA**

**Airgain
Embedded
Antenna
Preliminary
Engineering
Data Sheet**

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Revision History (Required)

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Disclaimers

The information in this document is provided in connection with Airgain Antenna products and is proprietary and confidential. Airgain may make changes at any time, without notice.

Please verify with Airgain before finalizing a product design.

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1. Airgain ET830DBKLT SMA Embedded Antenna

The Model ET830DBKLT SMA dipole Antenna provides an Omni-directional high performance antenna solution for LTE applications. This antenna was designed to accommodate most access point applications, and small client station applications.

2. Features

The Model ET830DBKLT SMA Dipole Antenna is defined by the following features:

- LTE standards
- External Dipole antenna
- High efficiency

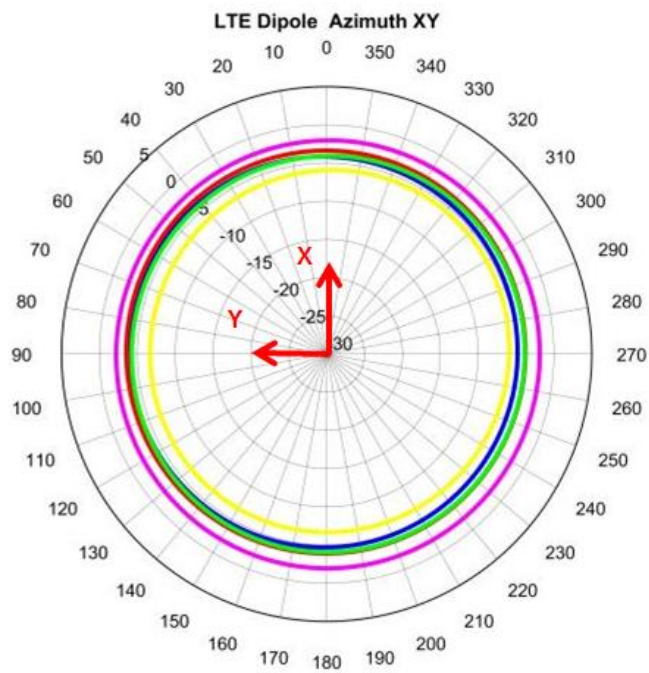


Figure 1: Model ET830DBKLT SMA Embedded Antenna

3. Specifications and Interface

Standard	LTE
Frequency range	0.7 to 2.7 GHz
VSWR	3.5:1 for 0.7 to 0.9 G 2.5:1 for 1.7 to 2.7 G
Feed impedance	50 ohms
Power handling	30 dBm
Interface	SMA Male Connector
Antenna dimensions	Φ 10mm×126mm
Weight	16.5g
Temperature range	-30 °C --- +70 °C
Cover material(color)	Plastic(black)
Humidity range	5%~95%

4. Radiation Patterns



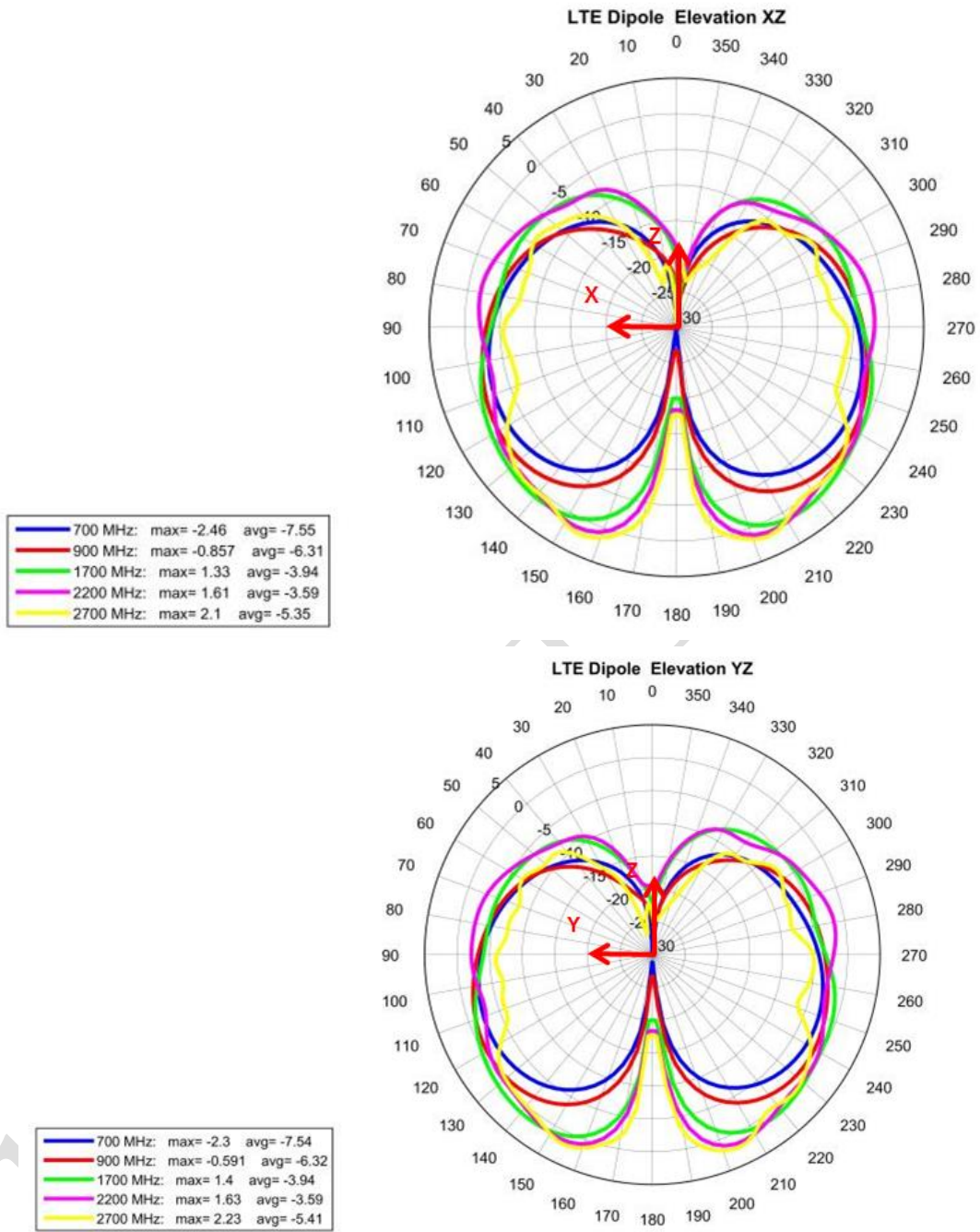


Figure 2: Model ET830DBKLT SMA Measured Radiation Patterns

5. Dimensions

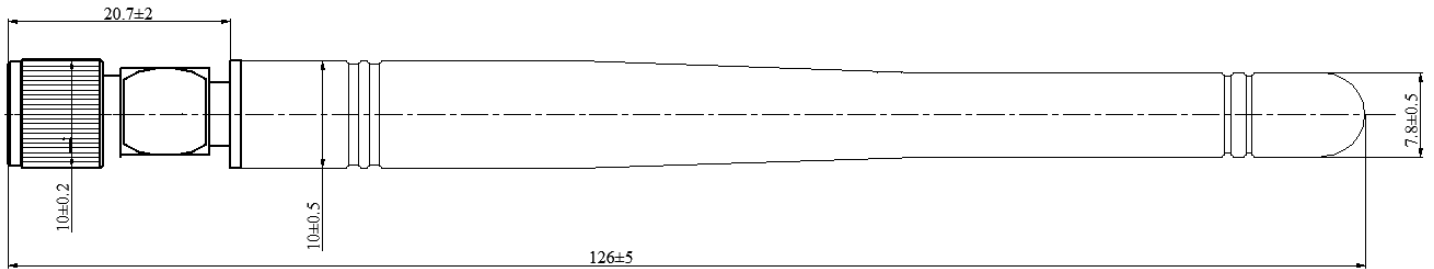


Figure 3: Model ET830DBKLT SMA Dimensions

6. S11

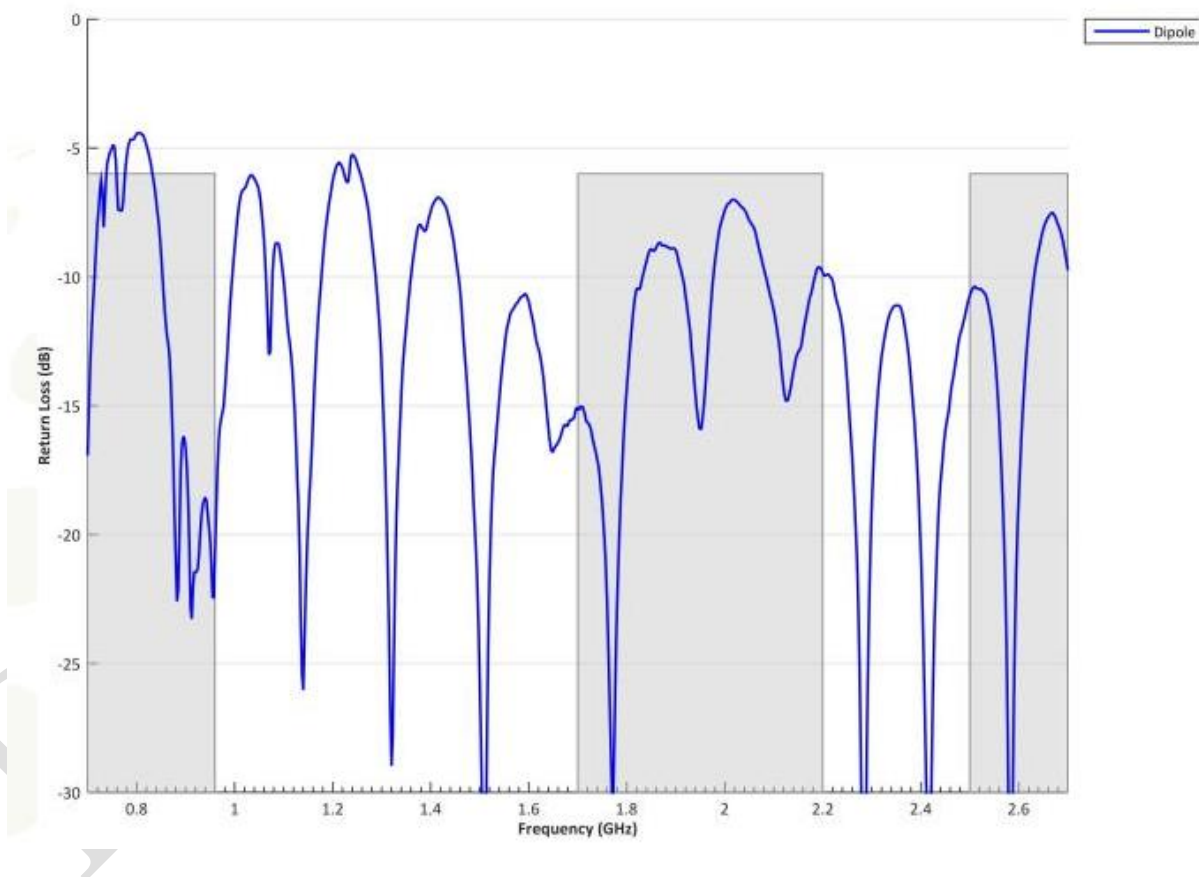


Figure 4: ANTENNA S11