



Coverage.
Performance.
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**Dipole Series
ET2430WRPSMA**

**Airgain
Embedded
Antenna
Preliminary
Engineering
Data Sheet**

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Revision History (Required)

Revision	Date	Note
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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.

Contents

1. Airgain ET2430WRPSMA Embedded Antenna	4
2. Features	4
3. Specifications and Interface	5
4. Radiation Patterns	6
5. Dimensions	7
6. S11	7

Figures

Figure 1: Model ET2430WRPSMA Embedded Antenna	4
Figure 2: Model ET2430WRPSMA Measured Radiation Patterns at 2.4 GHz	6
Figure 3: Model ET2430WRPSMA Dimensions	7
Figure 4: ANTENNA2.4 GHz S11	7

1. Airgain ET2430WRPSMA Embedded Antenna

The Model ET2430WRPSMA dipole Antenna provides an Omni-directional high performance antenna solution for Wi-Fi and ISM applications in the 2.4GHz band. This antenna was designed to accommodate most WLAN access point applications, such as routers and gateways.

2. Features

The Model ET2430WRPSMA DipoleAntenna is defined by the following features:

- IEEE 802.11 b/g and 802.11n standards
- Dipole antenna
- 1.5 dBi @ 2.4 GHz peak gain
- High efficiency
- Rotated 90 degrees on the base hinge



Figure 1: Model ET2430WRPSMA Embedded Antenna

3. Specifications and Interface

Standard	IEEE 802.11b/g and 802.11n
Frequency range	2.4 to 2.49 GHz
Peak gain	1.5 dBi @ 2.4 GHz
VSWR	< 2:1
Feed impedance	50 ohms
Power handling	30 dBm
Interface	SMA
Antenna dimensions	Φ 9.35mm×108mm
Weight	9.3g
Temperature range	-30 °C --- +75 °C
Cover material(color)	Plastic(white)
Humidity range	5%~95%

4. Radiation Patterns

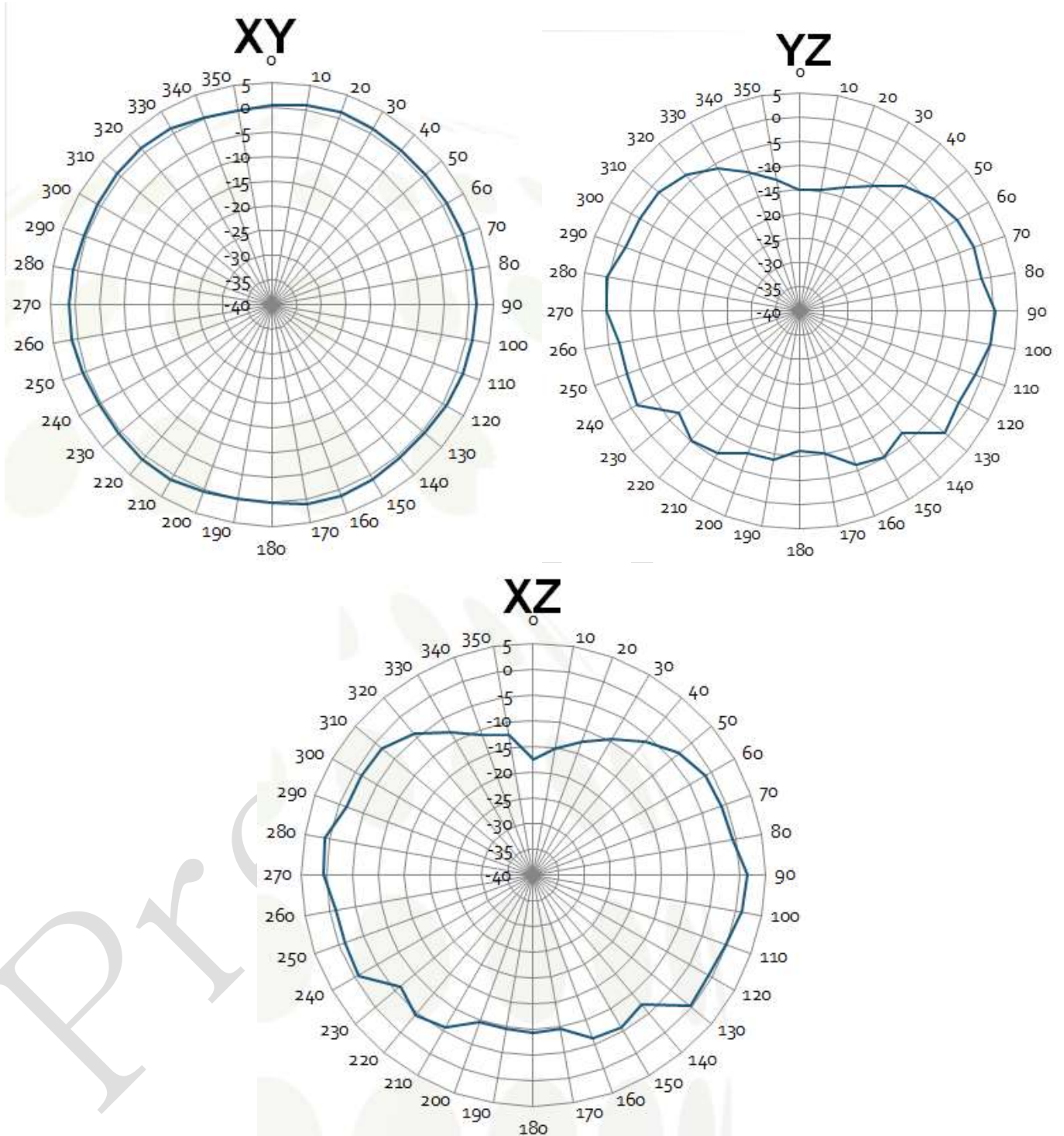


Figure 2: Model ET2430WRPSMA Measured Radiation Patterns at 2.4 GHz

5. Dimensions

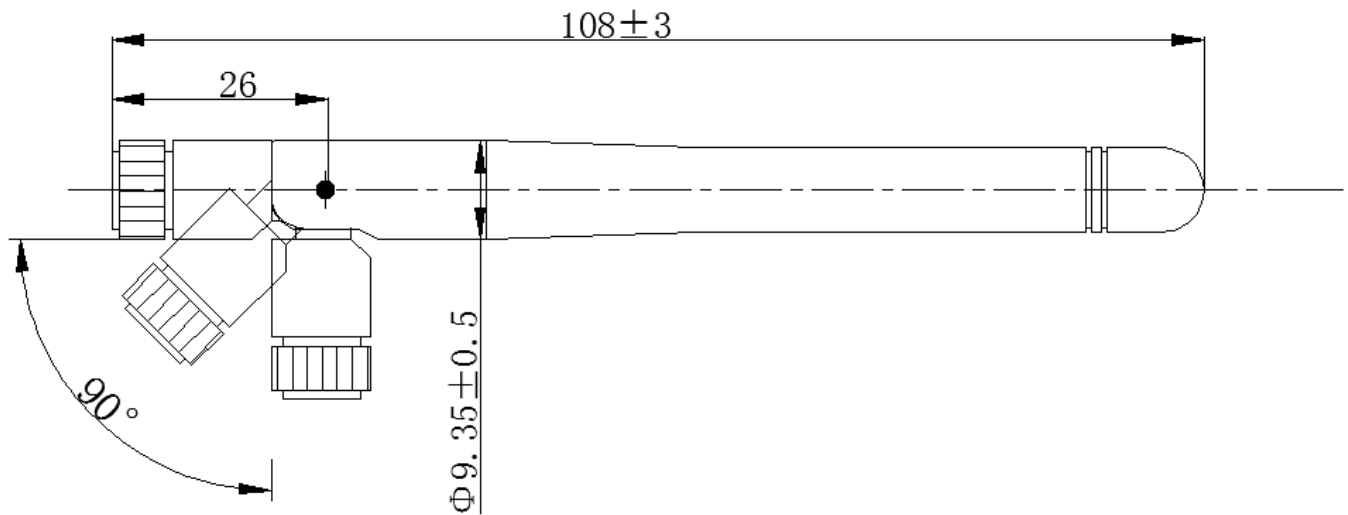


Figure 3: Model ET2430WRPSMA Dimensions

6. S11

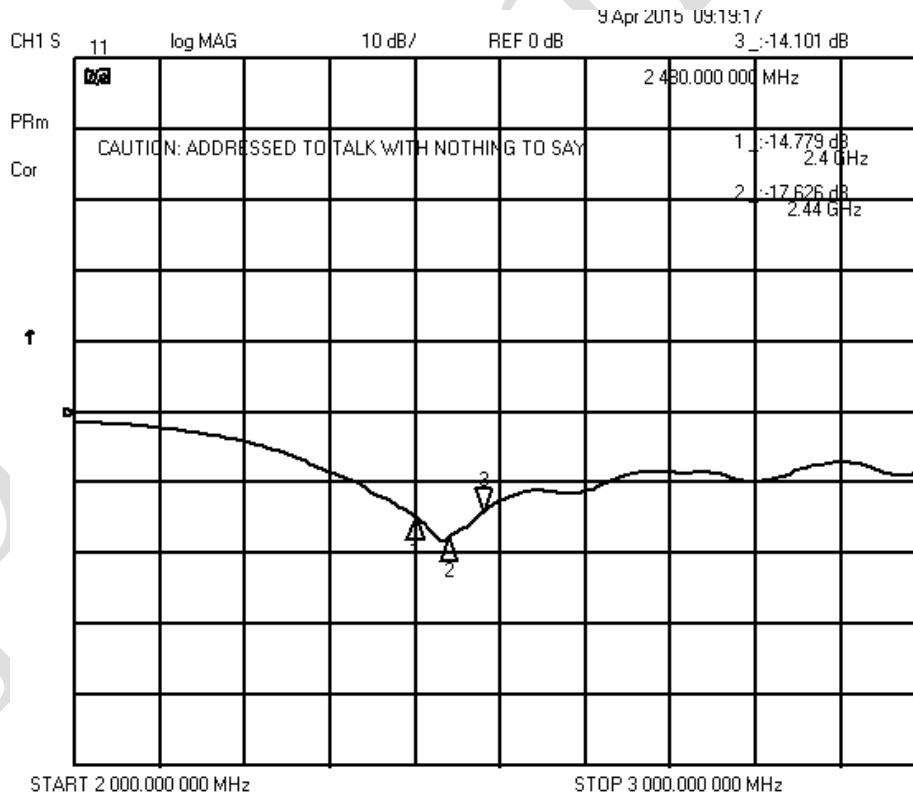


Figure 4: ANTENNA2.4 GHz S11