

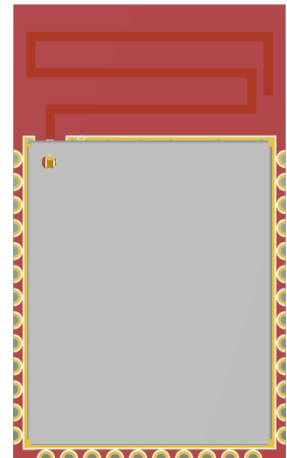
1. Description

BDE-ANT-RFM206 is an integrated 868/915MHz dual band PCB trace antenna designed for BDE- RFM206 module.

The dimension of the antenna area is 15.0mm x 7.3mm.

Typical applications include:

- Wi-SUN
- Halow Wi-Fi
- Lora
- IoT Solutions

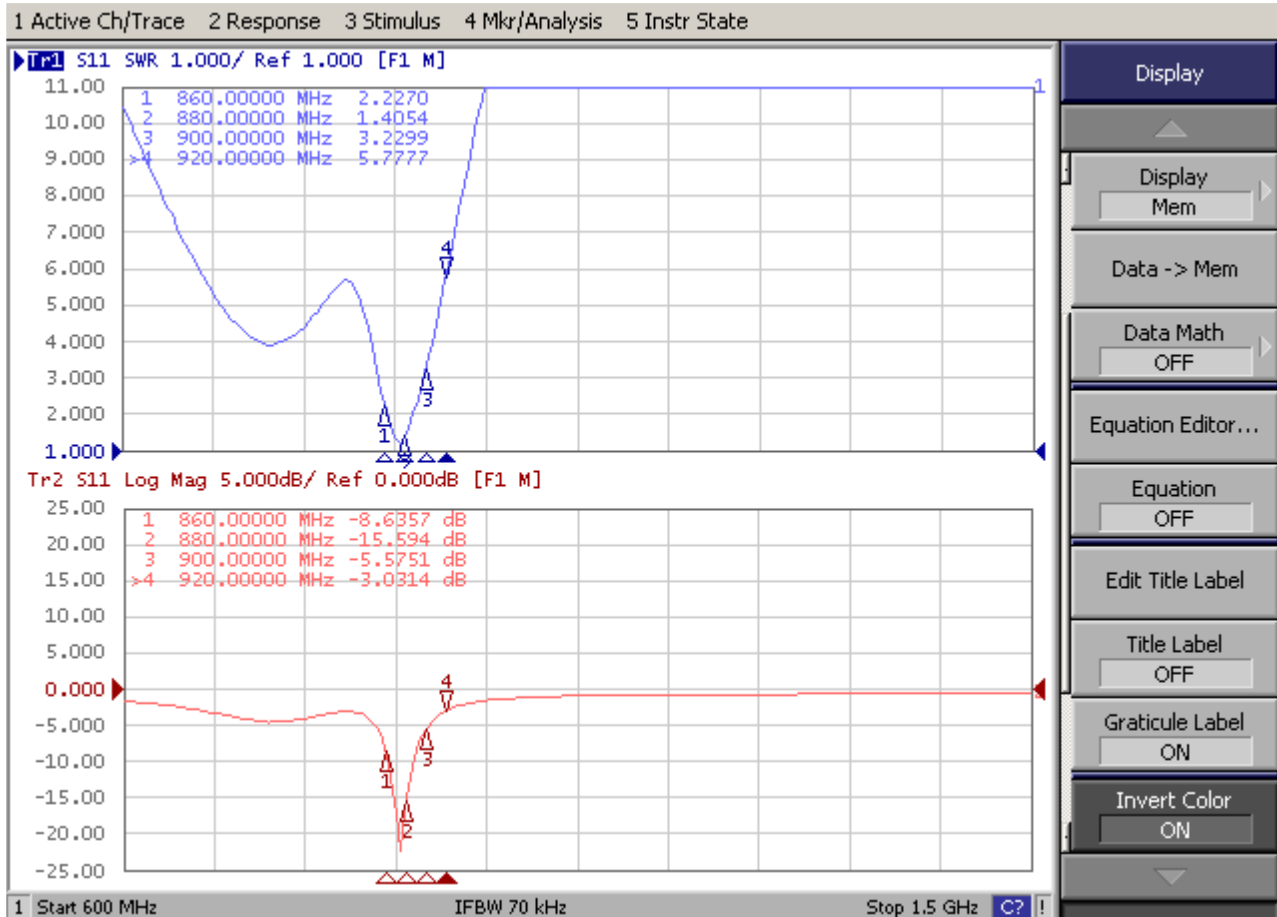


2. Specifications

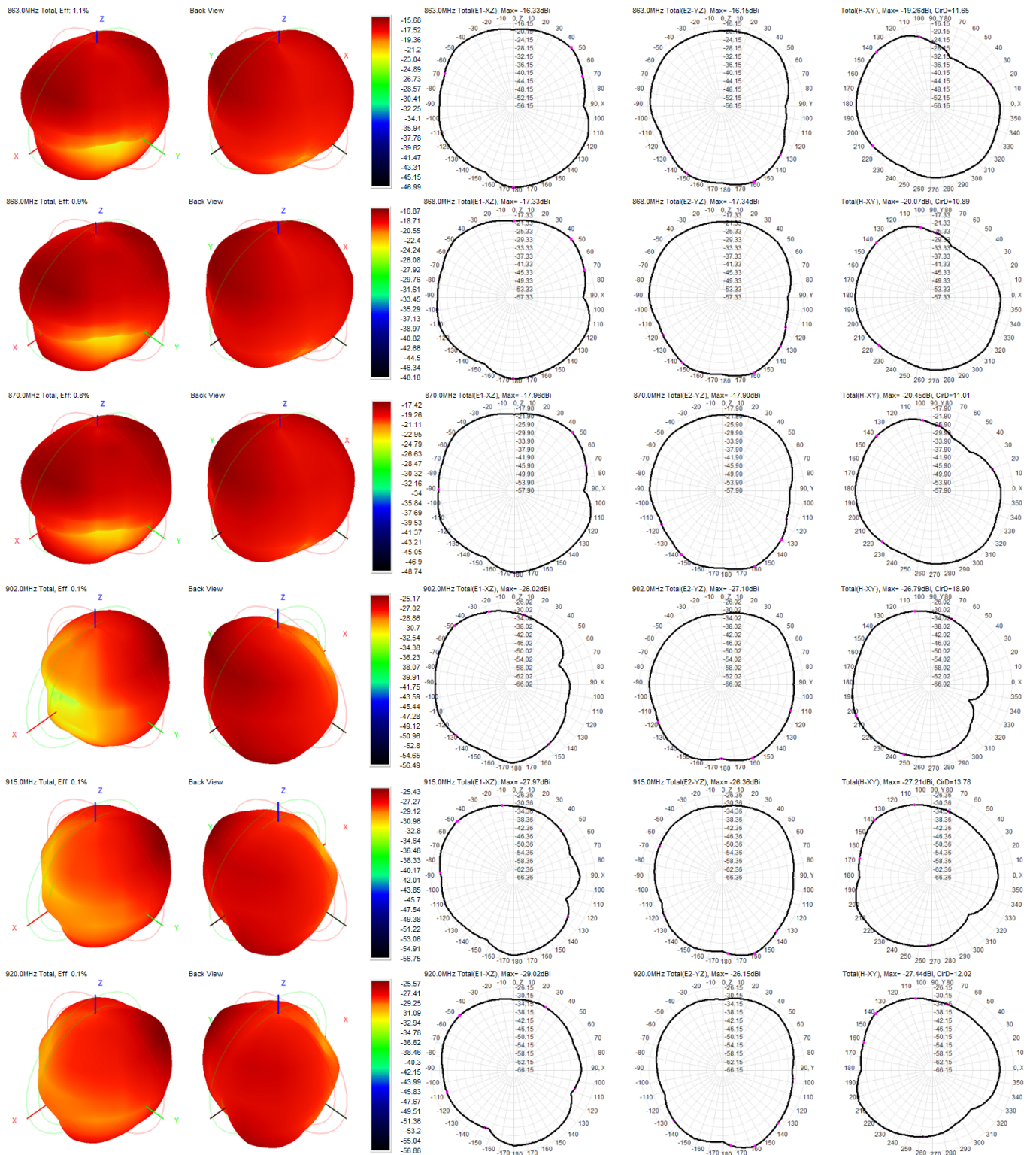
Electrical	
Frequency (MHz)	863-870, 902-928
Peak Gain	-5.29dBi @ 868MHz band
	-7.08dBi @ 915MHz band
Impedance	50 ohm
Polarization	Linear
Radiation	Omni-directional
Mechanical	
Dimension	15.0mm x 7.3mm x 0.6mm
PCB Substrate	FR4
Environmental	
Temperature Range	-40°C to 85°C

3. Antenna Characteristics

3.1 Return Loss



3.2 Radiation Pattern



3.3 Efficiency and Gain

Frequency (MHz)	Gain (dBi)
868MHz Band	
863	-5.29
865	-6.01
868	-6.90
870	-7.85
915MHz Band	
902	-8.83
905	-9.82
909	-9.78
912	-8.24
915	-7.40
918	-8.69
921	-7.08
924	-8.41
927	-8.19

4. Revision History

Revision	Remark	Date
V1.0	Initial release	2026/6/3

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Contact

BDE Technology Inc.

USA: 67 E Madison St, # 1603A, Chicago, IL 60603, US
Tel: +1-312-379-9589

China: B2-403, 162 Science Avenue, Huangpu District, Guangzhou 510663, China
Tel: +86-20-28065335

Website: www.bdecomm.com Email: info@bdecomm.com