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DATA SHEET

P/N: PD243035-T4-150G1303

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Contents

Version Information

Version	Date	Author	Note
A0	November 9, 2022	Rebecca	Initial Draft

1. Product Description

Model PD243035-T4-150G1303 is a dual-band antenna which has features of easy integration, can be directly connected to the product. The connector can be customized according to customer's request. This antenna was designed to accommodate most WLAN applications, such as access points, routers, and gateways.

2. Features

The model PD243035-T4-150G1303 antenna is defined by following features:

- IEEE 802.11 a/b/g/n/ac standards
- 3.8dBi (Max.) gain
- High Efficiency
- Quick Integration

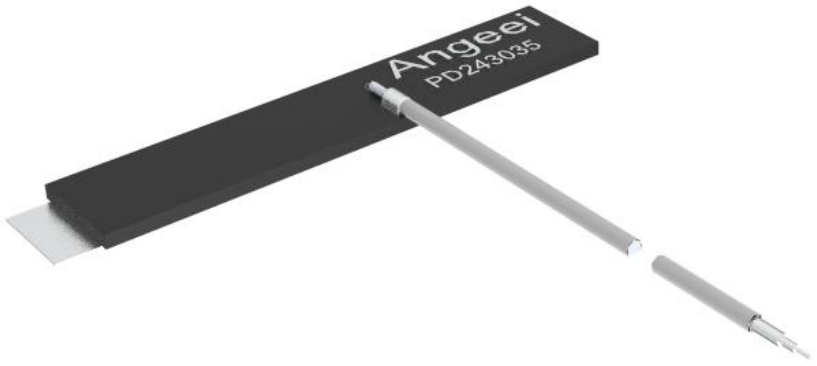

Figure 1: Model PD243035-T4-150G1303 Antenna

3. Overall Performance

CHARACTERISTICS	SPEC
Standard	IEEE 802.11 a/b/g/n/ac
Frequency Range	2.4-2.49GHz & 5.15-5.85GHz
Peak Gain	3.8dBi (Max.)
VSWR	<2
Power Handling	30 dBm
Feed Impedance	50 ohms
Antenna Dimensions	38*7.5*1mm
Operating Temperature	-30 ° C to +85° C
Humidity Range	5% to 95% non-condensing
RF Cable	RF1.13

4. Product Characteristics

Measuring the VSWR & radiation pattern of PD243035-T4-150G1303 in a non-interference environment.

4.1 VSWR

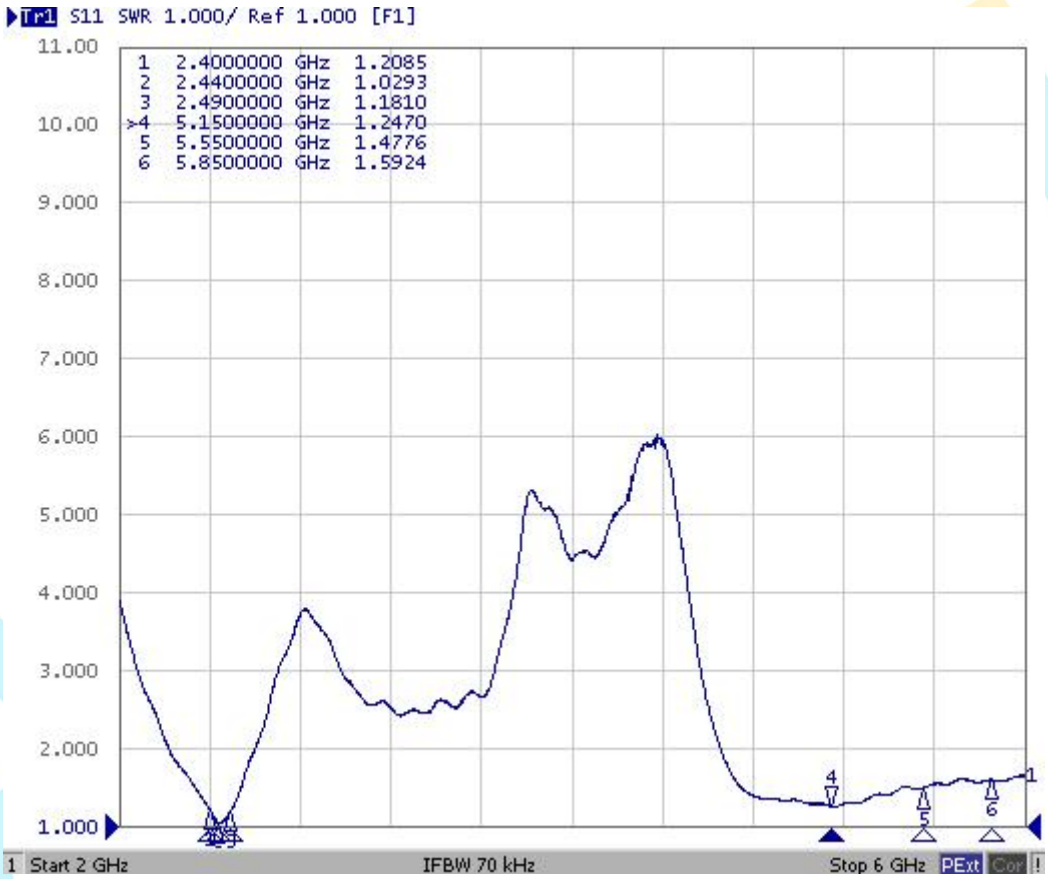

Figure 2: Model PD243035-T4-150G1303 VSWR

4.2 Radiation Pattern

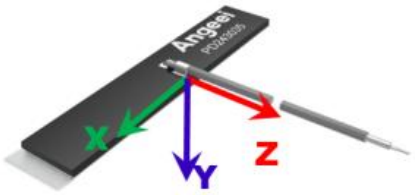

Figure 3: Model PD243035-T4-150G1303 Measurement Axes

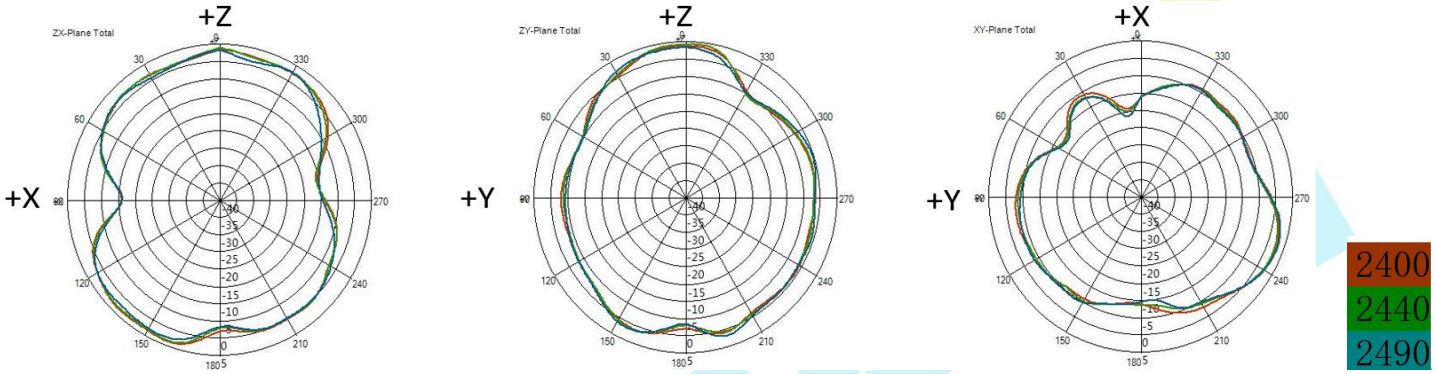

Figure 4: Model PD243035-T4-150G1303 Radiation Patterns in 2.4G Band

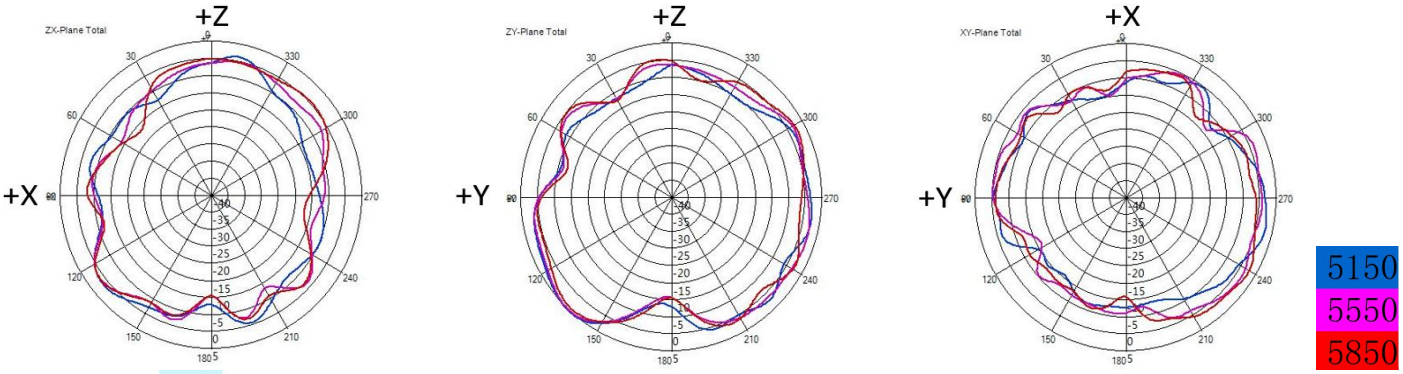

Figure 5: Model PD243035-T4-150G1303 Radiation Patterns in 5G Band

5. Product Drawing

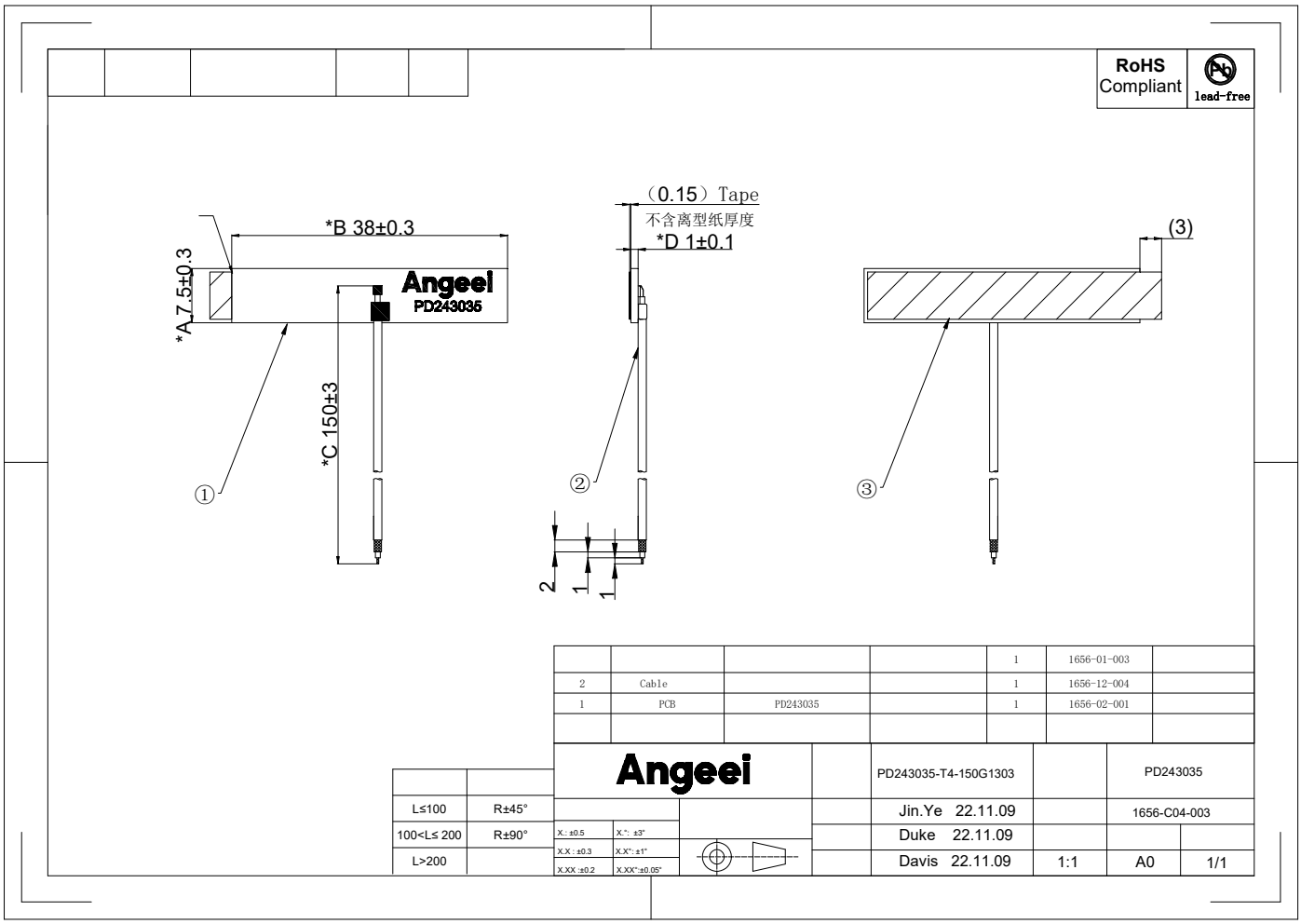

Figure 6: Model PD243035-T4-150G1303 Dimensions

6. ROHS

Model PD243035-T4-150G1303 antenna is RoHS compliant.

7. Cable Data Sheet

Item	Specification	
Cable type	RF1.13	
Impedance	50 ± 3 ohms	
Inner conductor	Material	Tin-coated copper
	Conductor numbers	7
	Conductor size	0.083 mm
	Outer diameter	0.24 ± 0.03 mm
Dielectric layer	Material	FEP
	Color	Clear
	Average thickness	0.23 mm
	Diameter	0.695 ± 0.03 mm
Braid (shielding)	Material	Tin-coated copper
	Conductor size :total / O.D. Of every wire(mm)	16*4/0.05 mm
	Coverage	90%± 5%
Outer cover	Material	FEP
	Color	Gray
	Average thickness	0.10 mm
	Diameter	1.13 ± 0.05 mm
VSWR testing	< 1.3@0~8GHz	
Cable loss (dB/1meter)	1GHz	≤2.2
	2GHz	≤3.15
	3GHz	≤3.9
	4GHz	≤4.6
	5GHz	≤5.2
	6GHz	≤5.7
	7GHz	≤6.3
	8GHz	≤7.3
Operating temperature	-55℃~+150℃	

Note:

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