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DATA SHEET

Part Number:

P244001-T4-120G13U1

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Version Information

Version	Date	Author	Note
1.0	Jan,24 2019	Simon	Initial Draft

1. Product Description

Model P244001-T4-120G13U1 product is designed with patented technology. P244001-T4-120G13U1 is a single-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

- IEEE 802.11n and 802.11 b/g standards
- 4.7dBi peak gain@2.44GHz
- High efficiency
- Quick integration



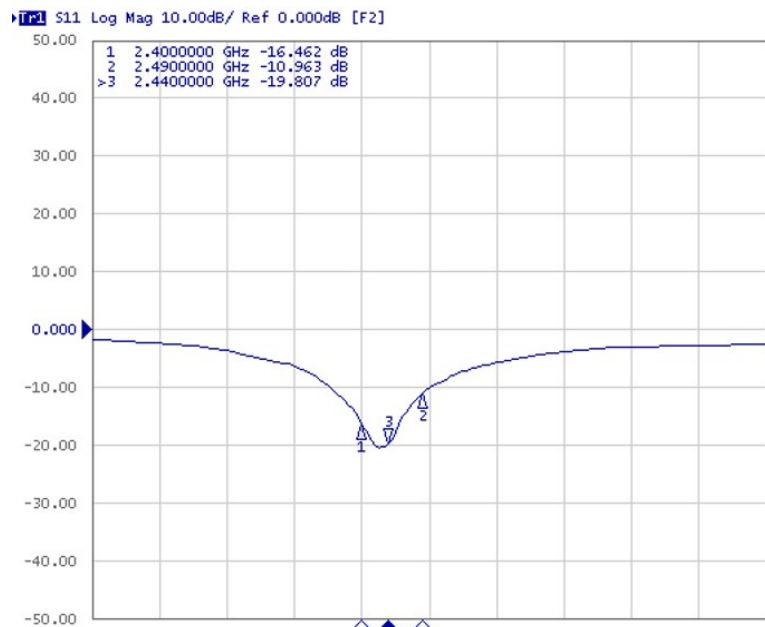
3. Overall Performance

CHARACTERISTICS	SPEC
Standard	IEEE 802.11n and 802.11b/g
Frequency Range	2.4-2.49GHz
Peak Gain	4.7dBi@2.44GHz
VSWR	≤ 2.0
Power Handling	30 dBm
Feed Impedance	50 ohms
Interface	GU.FL
Operating Temperature	-40 ° C to +85 ° C
Storage Temperature	-25 ° C to +65 ° C
Humidity Range	5% to 95% non-condensing

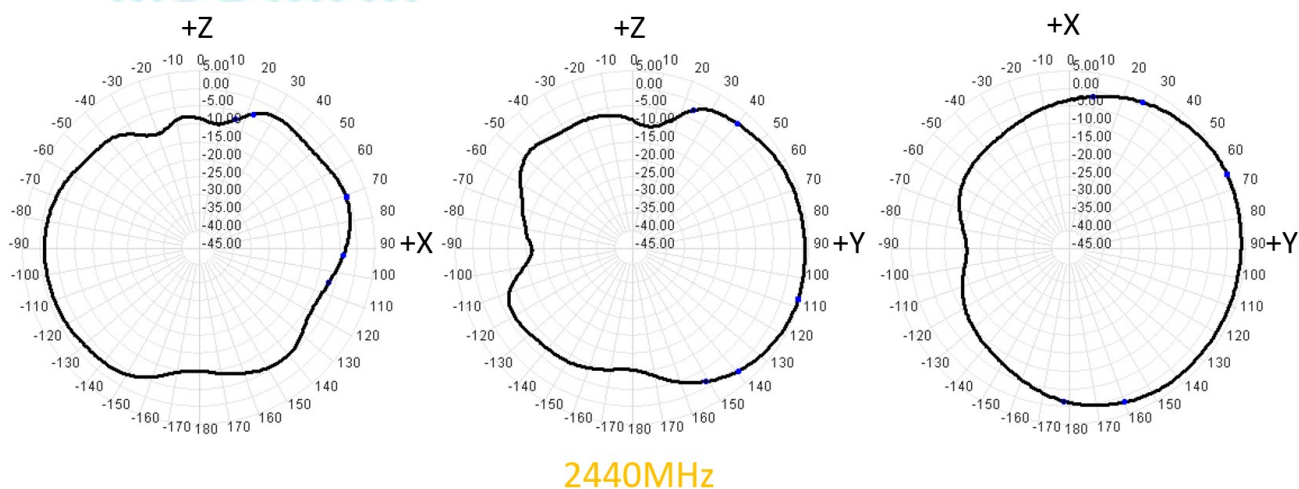
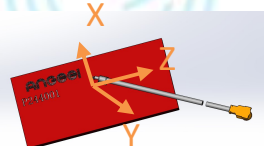
4. Product Characteristics

Measuring the VSWR & radiation pattern of P244001-T4-120G13U1 in a non-interference environment

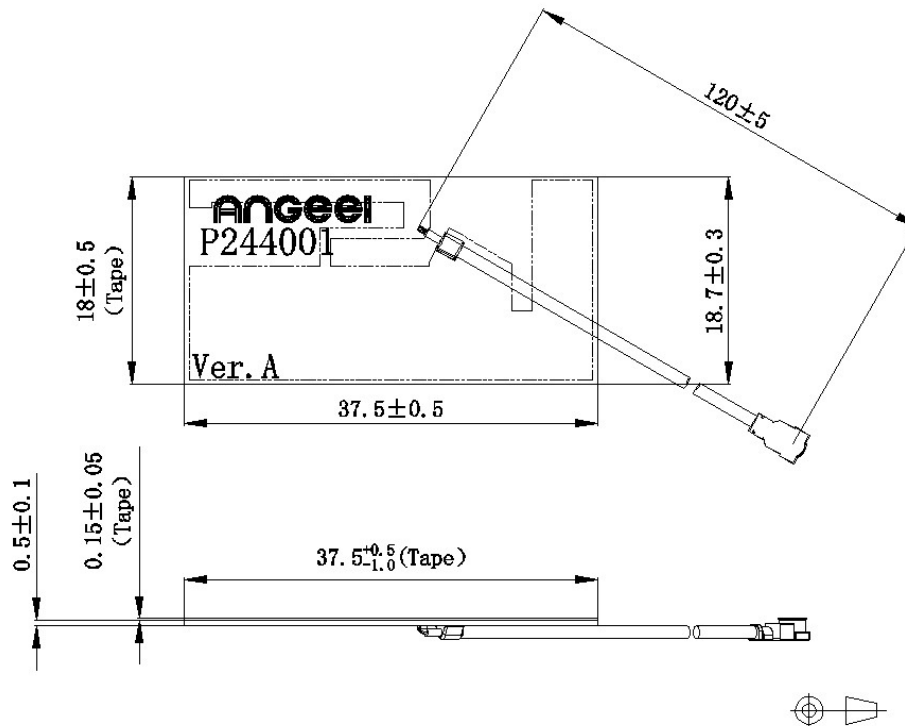
4.1 VSWR



4.2 Radiation Pattern



5. Product Drawing



6. ROHS

Model P244001-T4-120G13U1 is RoHS compliant.

7. Optional Cable Data Sheet

Item	Specification	
Cable type	OD1.13	
Impedance	50 ± 3 ohms	
Inner conductor	Material	Tin-coated copper
	Conductor numbers	7
	Conductor size	0.08 mm
	Outer diameter	0.24 ± 0.02 mm
Dielectric layer	Material	FEP
	Color	Clear
	Average thickness	0.22 mm
	Diameter	0.7 ± 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%
	Diameter	0.92 ± 0.05 mm
Outer cover	Material	FEP
	Color	GRAY
	Average thickness	0.10 mm
	Diameter	1.13 ± 0.05 mm
VSWR testing	< 1.3@0~6GHz	
Cable loss (dB/1meter)	1GHz	≤2.2
	2GHz	≤3.1
	3GHz	≤3.8
	4GHz	≤4.4
	5GHz	≤4.9
	6GHz	≤5.4
Operating temperature	-55℃~+150℃	

Note

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