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DATA SHEET

P/N: DPD2420T02

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Version Information

Version	Date	Author	Note
A0	July 13, 2022	Rebecca	Initial Draft

1. Product Description

The model DPD2420T02 product is designed with patented technology. DPD2420T02 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 DPD2420T02 antenna is defined by following features:

- IEEE 802.11 a/b/g/n/ac/ax
- 2.2dBi peak gain@2.44GHz
2.3dBi peak gain@5.55GHz
- High Efficiency
- Quick Integration



Figure 1: Model DPD2420T02 Antenna

3. Overall Performance

CHARACTERISTICS	SPEC
Standard	IEEE 802.11 a/b/g/n/ac/ax
Frequency Range	2.4-2.49GHz & 5.15-5.85GHz
Peak Gain	2.2dBi@2.44GHz 2.3dBi@5.55GHz
VSWR	<2
Power Handling	30 dBm
Feed Impedance	50 ohms
Antenna Dimensions	Φ10×108.6mm
Interface	SMA PLUG
Operating Temperature	-30 ° C to +75° C
Humidity Range	5% to 95% non-condensing

4. Product Characteristics

4.1 VSWR

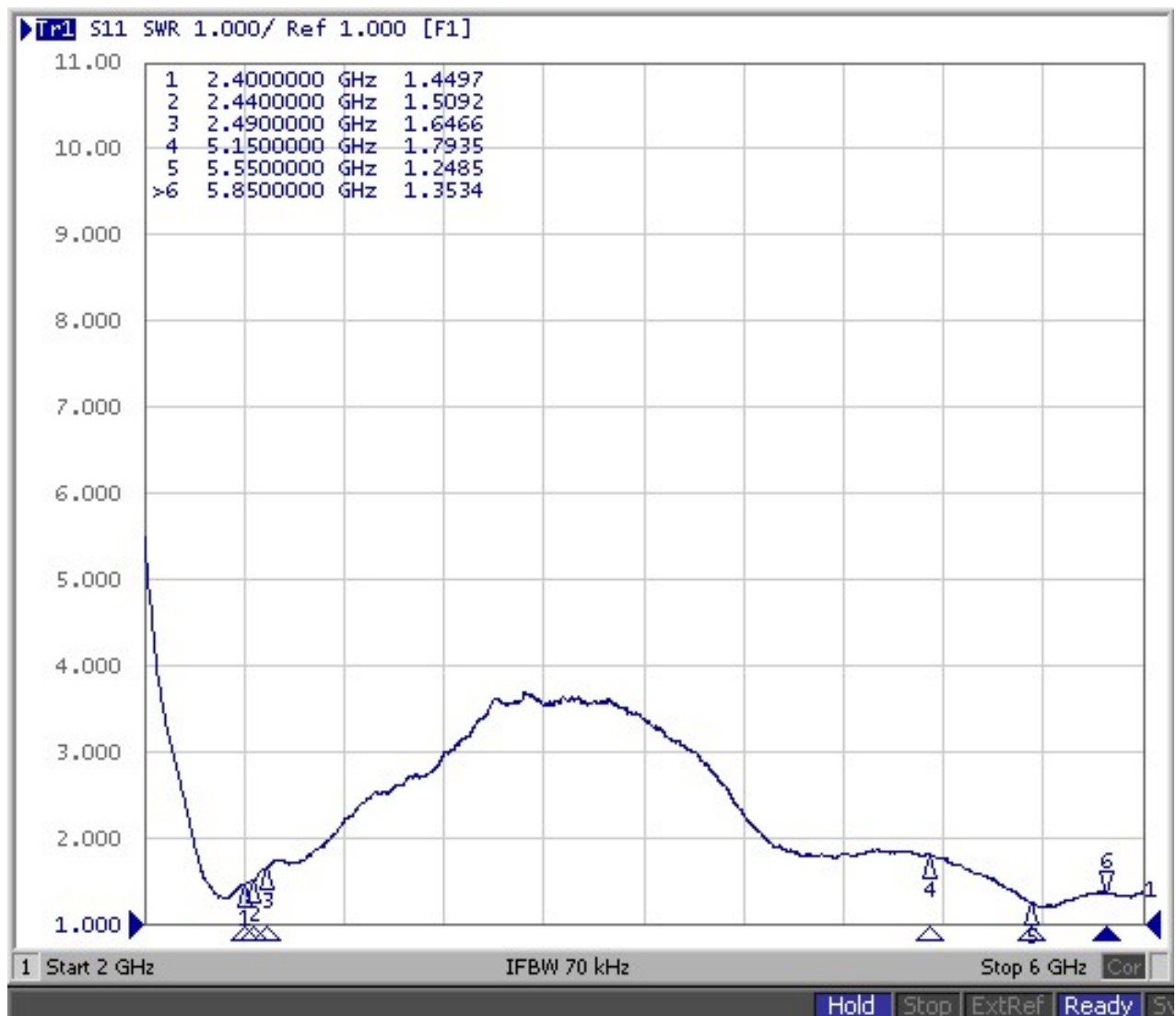


Figure 2: Model DPD2420T02 VSWR

4.2 Radiation Pattern

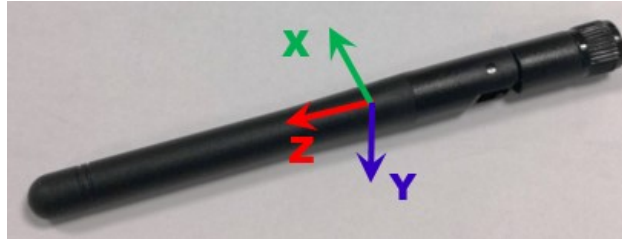


Figure 3: Model DPD2420T02 Measurement Axes

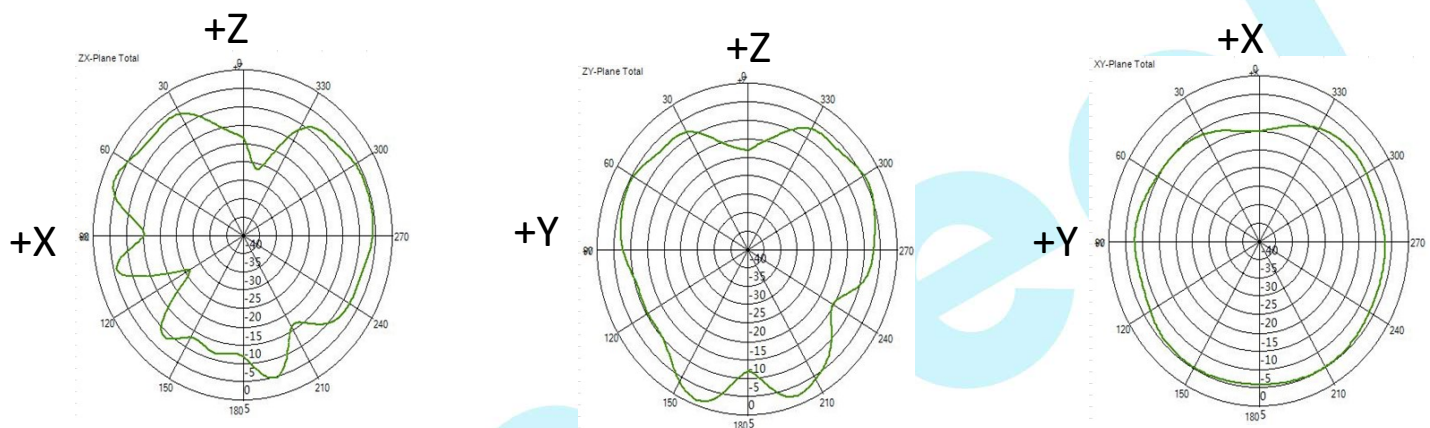


Figure 4: Model DPD2420T02 Radiation Patterns at 2.44 GHz

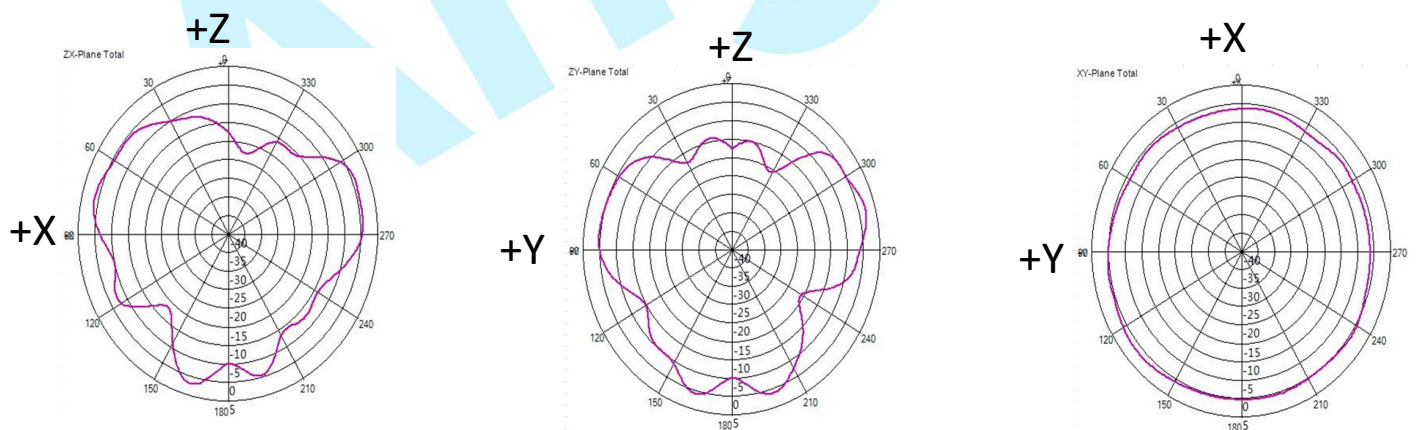


Figure 5: Model DPD2420T02 Radiation Patterns at 5.55 GHz

5. Product Drawing

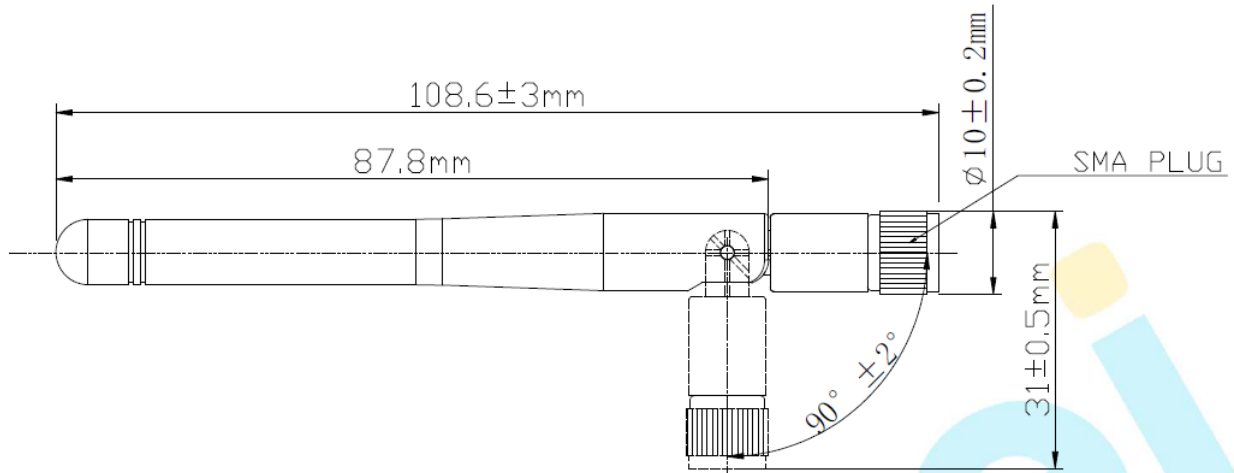


Figure 6: Model DPD2420T02 Dimensions

6. ROHS

Model DPD2420T01 antenna is RoHS compliant.

Note:

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