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DATA SHEET

P/N: DPD2430SRW

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Version Information

Version	Date	Author	Note
1.0	Nov 19, 2019	Ryan	Initial Draft
1.1	Dec 20, 2019	Ryan	Update the VSWR Add return loss standard

1. Product Description

The model DPD2430SRW product is designed with patented technology. DPD2430SRW 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

The model DPD2430SRW antenna is defined by following features:

- IEEE 802.11 a/b/g/n/ac/ax standards
- 2.3dBi peak gain@2.44GHz & 3.5dBi peak gain@5.55GHz
- High Efficiency
- Quick Integration



Figure 1: Model DPD2430SRW 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	2.3dBi@2.44GHz 3.5dBi@5.55GHz
Efficiency	71.2%@2.44GHz 73.7%@5.55GHz
Average Gain	-1.5dBi @2.44GHz -1.3dBi @5.55GHz
VSWR	<2(90° /180°)
Return Loss	<-10dB(90° /180°)
Power Handling	30 dBm
Feed Impedance	50 ohms
Antenna Dimensions	Φ12.9× 197.2mm
Interface	RP-SMA PLUG
Operating Temperature	-30 ° C to +75 ° C
Humidity Range	5% to 95% non-condensing

4. Product Characteristics

4.1 VSWR

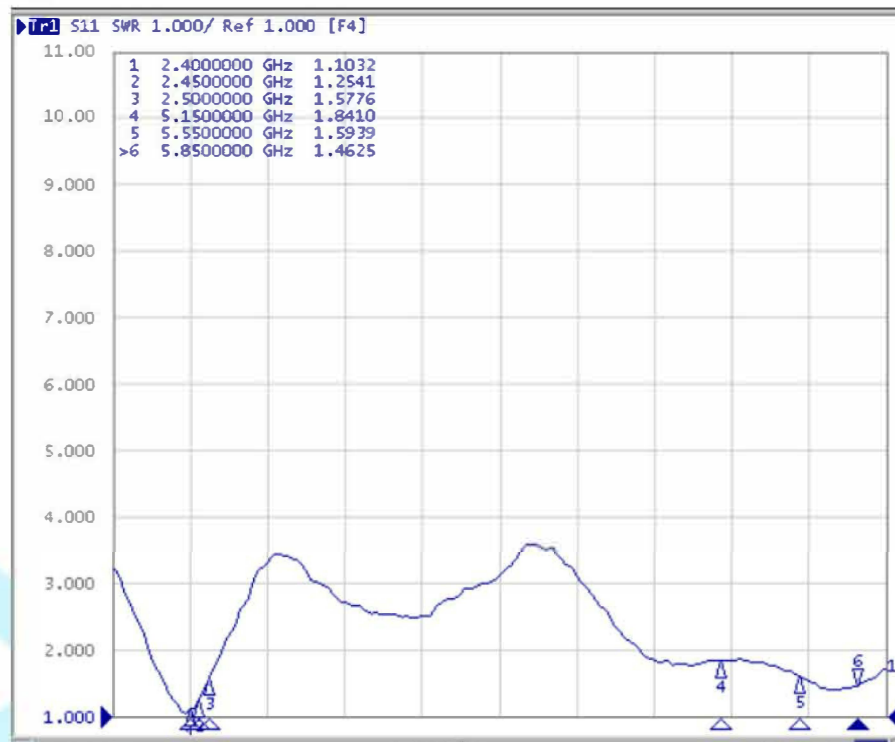


Figure 2: Model DPD2430SRW VSWR for 90°

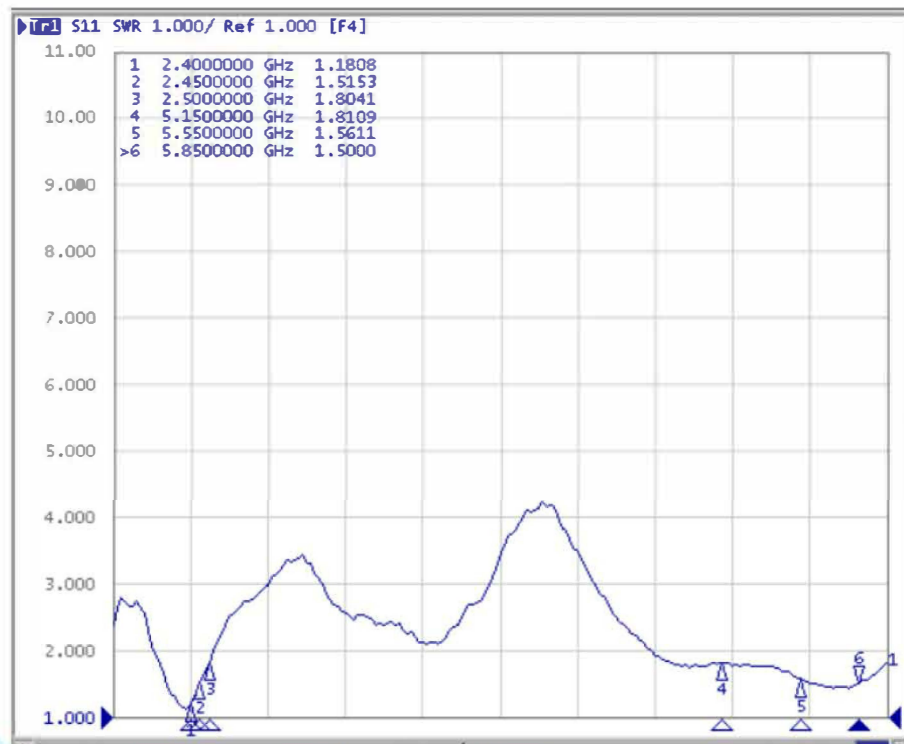


Figure 3: Model DPD2430SRW VSWR for 180°

4.2 Radiation Patterns

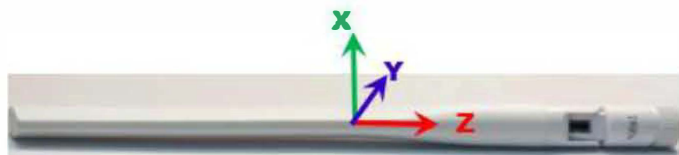


Figure 4: Model DPD2430SRW Measurement Axes

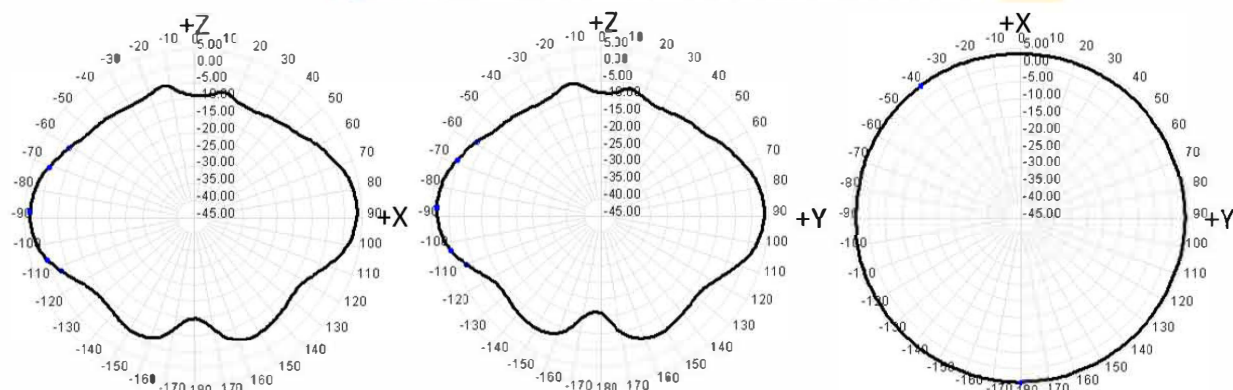


Figure 5: Model DPD2430SRW Radiation Patterns at 2.44 GHz

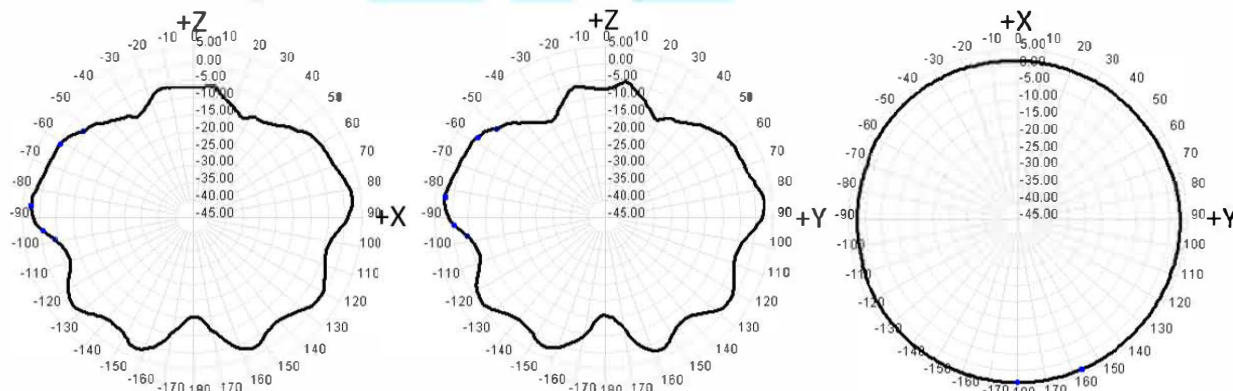


Figure 6: Model DPD2430SRW Radiation Patterns at 5.55GHz

5. Product Drawing

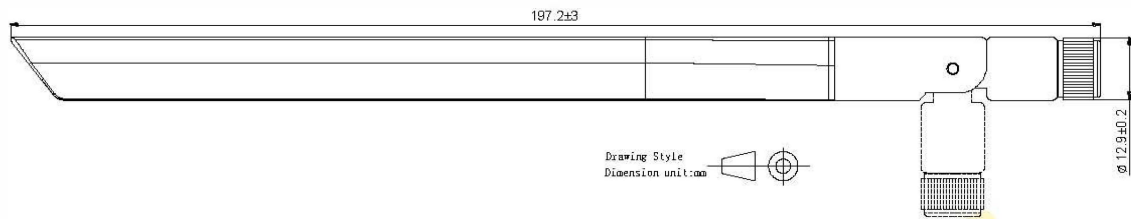


Figure 7: Model DPD2430SRW Dimensions

6. ROHS

Model DPD2430SRW Antenna is RoHS compliant.

Note

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