



SPECIFICATION

APPLICATION FOR APPROVAL

CUSTOMER : SUNSEA IOT
CS P/N : SX0272000053
PART NAME : WiFi Antenna 2.4G&5.8G
DEVE NO. : AUK02016B-2.4G&5.8G
PART NO. : B92240-90
DATE : Sep 7, 2021

Customer Approval			
RF Engineer	ME Engineer	R&D Manger	PRODUCT Manger
AUDEN COMMUNICATIONS&MULTIMEDIA TECHNO (KUNSHAN) CO. LTD			
RF Engineer	ME Engineer	R&D Manger	PRODUCT Manger
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INDEX

- 一、Cover
- 二、Index
- 三、The Basic Parameters
- 四、RF Performance Test Report
- 五、Product Drawing
- 六、Packing

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The Basic Parameters

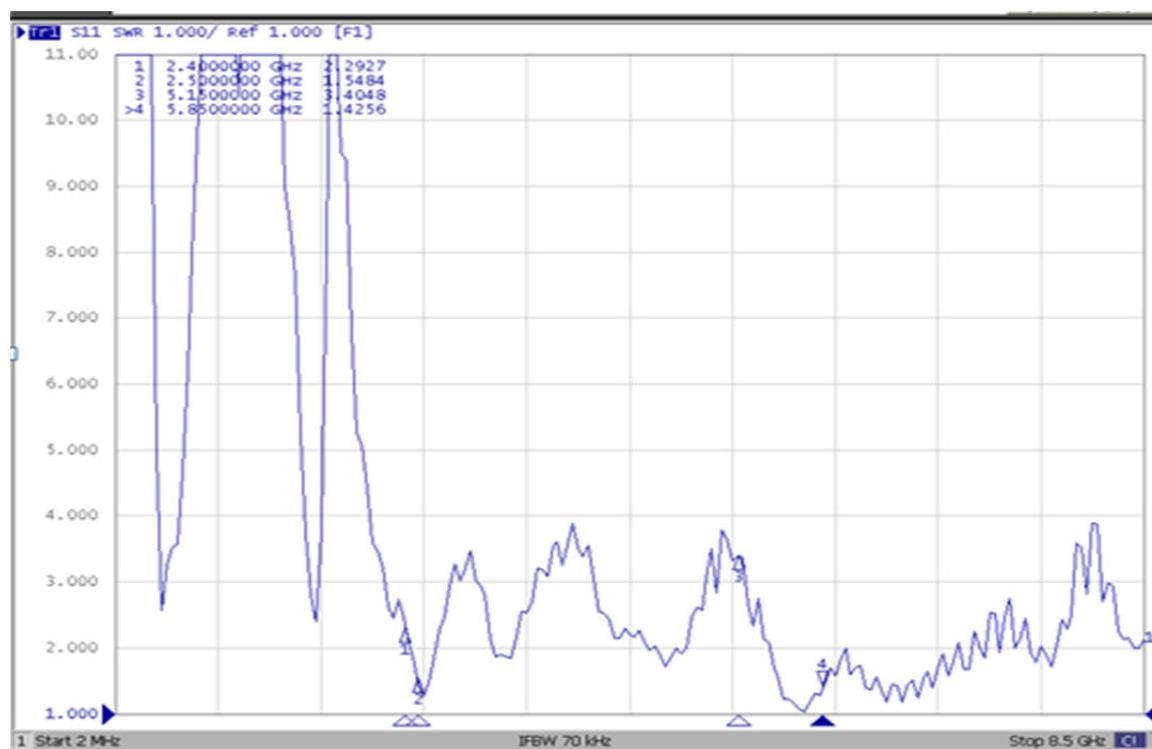
Item	Specifications
Structure	Rubber Stick-SMA-J
Frequency	2400-2500MHz & 5000-5865MHz
V. S. W. R	≤ 2.0
Gain	≤ 5.0
Size	207 $\pm$ 3mm*13.5mm
Impedance	50 Ω
connector	SMA-J
Operation temperature	-40°C to 85°C
Storage temperature	-40°C to 85°C
Humidity	Non-condensing 65°C 95% RH
Product picture	

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RF Performance Test Report

Frequency	Efficiency Total (%)	Gain Total (dBi)	Frequency	Efficiency Total (%)	Gain Total (dBi)
2.4G	56.62	3.11	5.15G	61.09	1.65
2.41G	58.88	3.35	5.2G	55.98	1.45
2.42G	61.38	3.57	5.25G	54.2	1.33
2.43G	60.53	3.53	5.3G	61.8	1.78
2.44G	62.37	3.58	5.35G	57.41	1.39
2.45G	69.34	4.01	5.4G	62.37	2.15
2.46G	68.87	3.82	5.45G	66.07	2.84
2.47G	69.66	3.73	5.5G	61.38	2.77
2.48G	72.95	3.82	5.55G	52.72	2.01
2.49G	72.44	3.73	5.6G	50.58	1.23
2.5G	72.28	3.68	5.65G	50.47	1.9
			5.7G	64.42	3.2
			5.75G	62.66	3.1
			5.8G	73.62	3.57
			5.85G	91.83	4.32



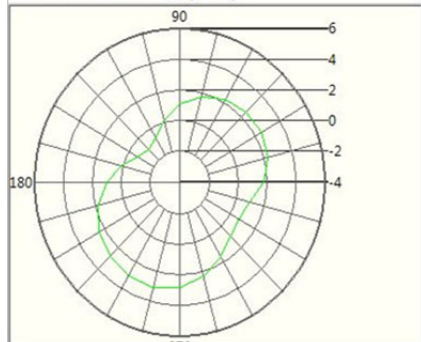
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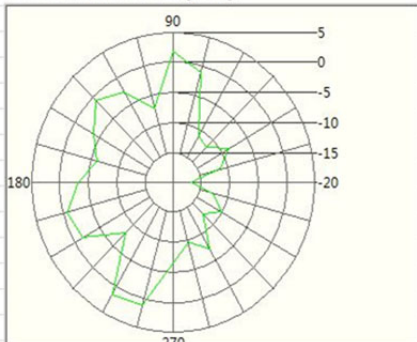
2D report

2.4G

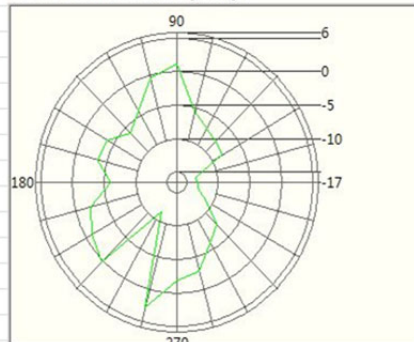
Excel XY Plot (Value dB / Angle deg.)



Excel XY Plot (Value dB / Angle deg.)

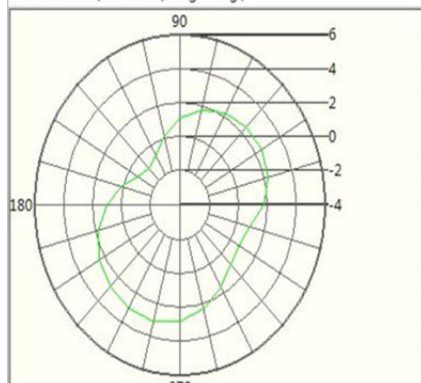


Excel XY Plot (Value dB / Angle deg.)

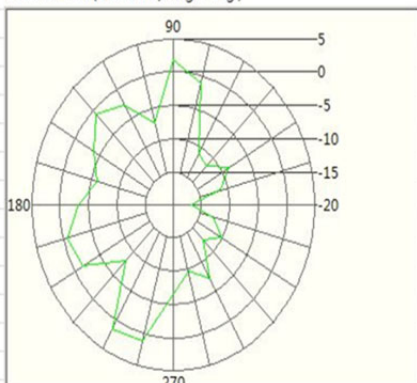


2.45G

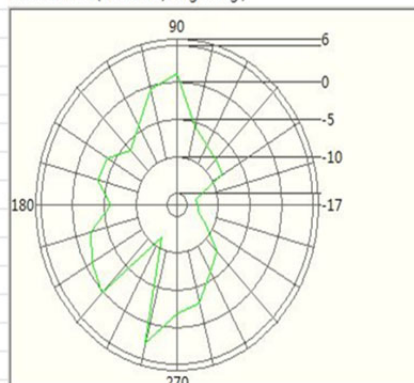
Excel XY Plot (Value dB / Angle deg.)



Excel XY Plot (Value dB / Angle deg.)



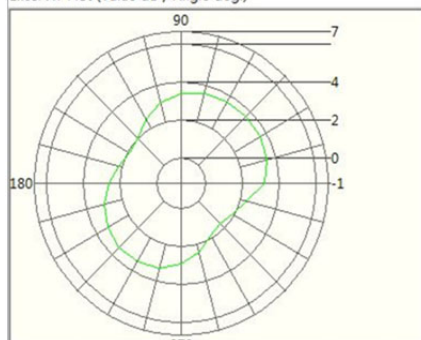
Excel XY Plot (Value dB / Angle deg.)



2.5G

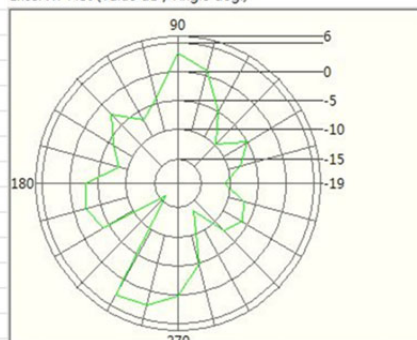
2.5GHz H

Excel XY Plot (Value dB / Angle deg.)



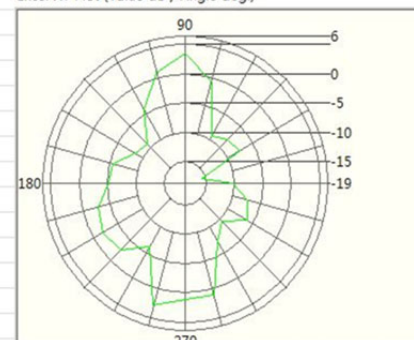
2.5GHz E1

Excel XY Plot (Value dB / Angle deg.)



2.5GHz E2

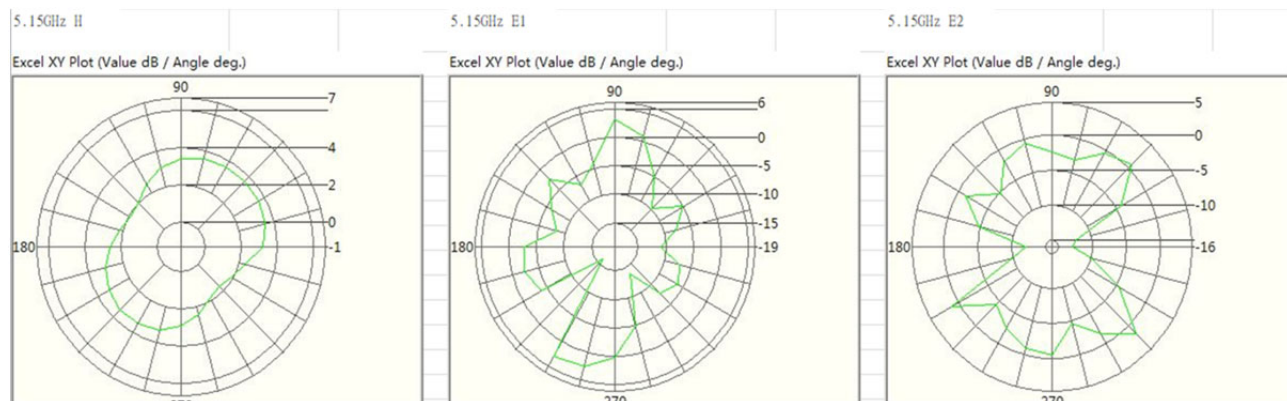
Excel XY Plot (Value dB / Angle deg.)



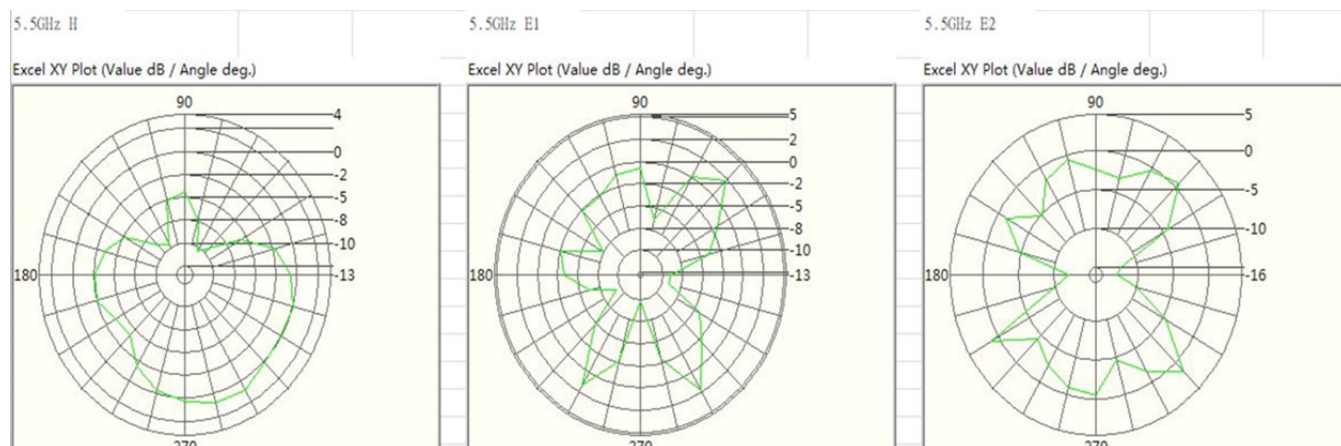
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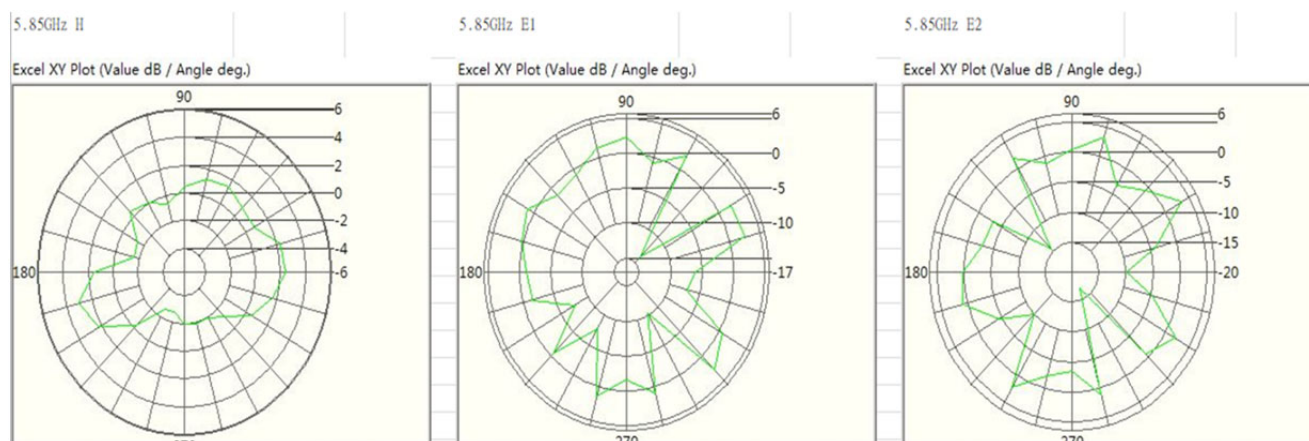
5.15G



5.5G



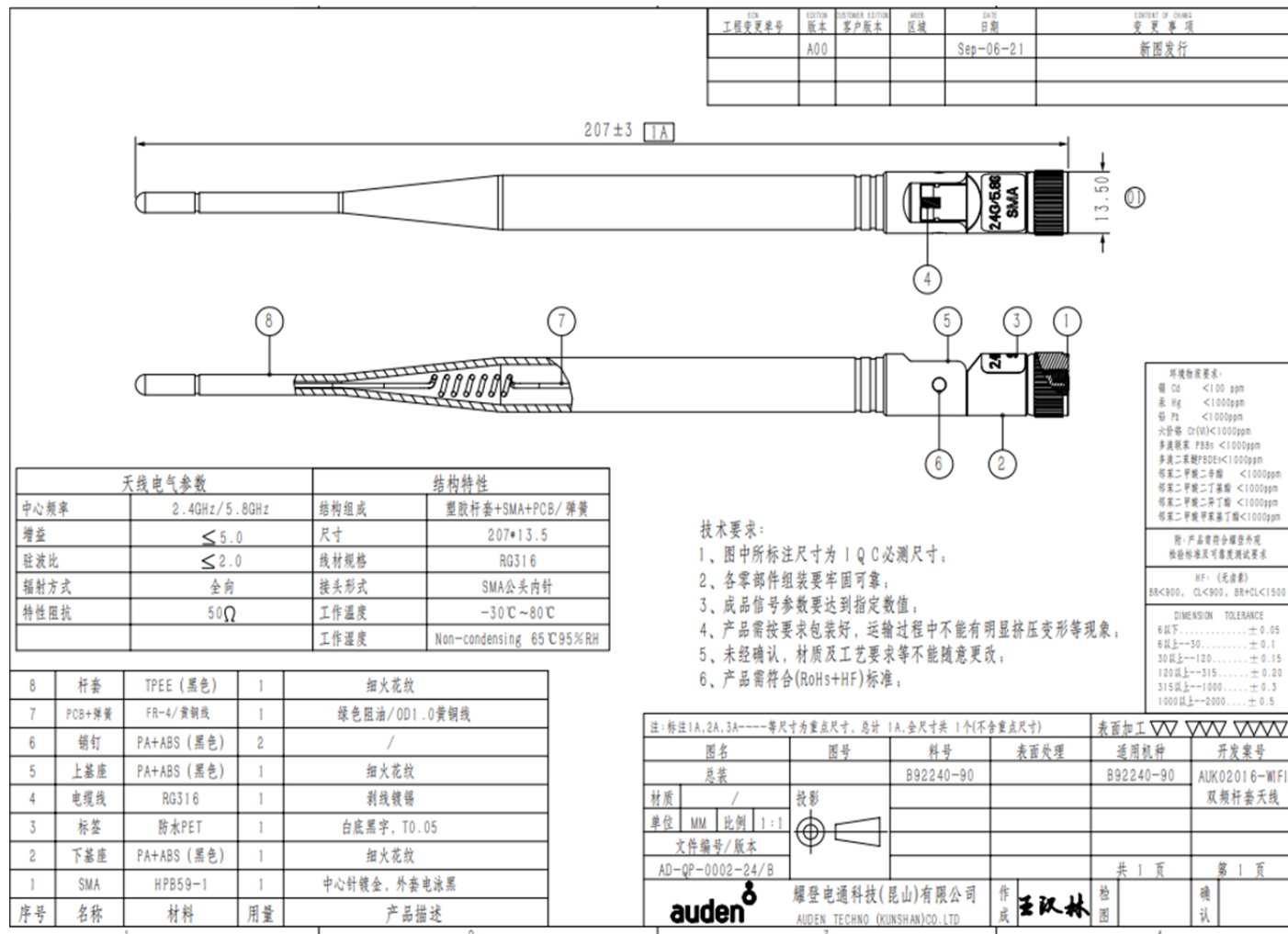
5.85G



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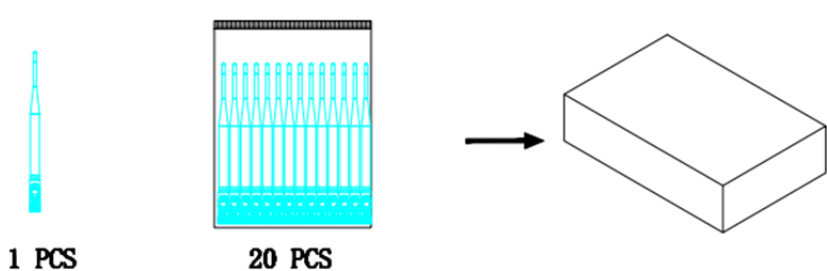
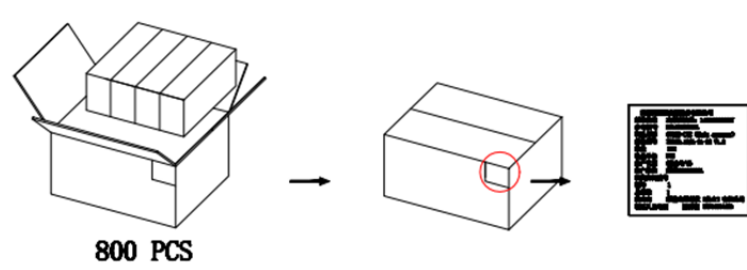
Product Drawing



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Packing

Inner Bag Packaging	 1 PCS 20 PCS 20pcs in 1Pe bag, 5 bags in 1 inner box
Outside Carton Box	 800 PCS 8 inner boxes and 1 outer box (1 box of 800pcs products)

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