

SPECIFICATION FOR APPROVL

ShengZhen AnChuang ZhiLian Electronics co.,ltd

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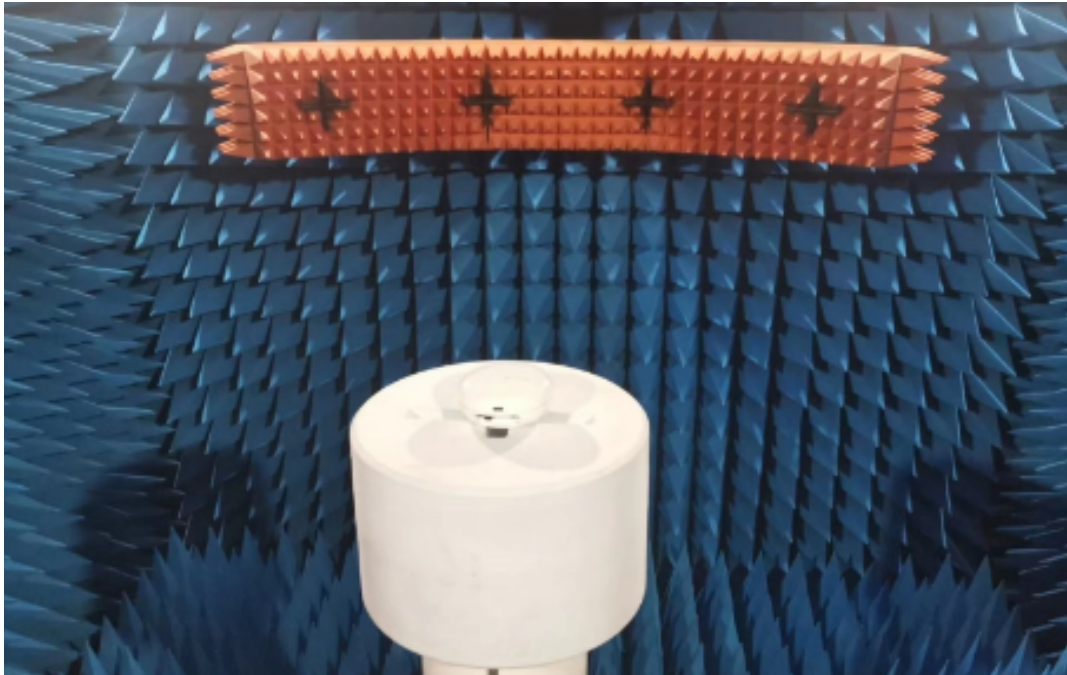
customer			
product name	CC-300		
material code	A981		
version	A1.0		
date	2023.07.27		
mark	RF Examination	SD Examination	Ratify/ seal
Customer confirmation signature:			

Basic information of the project:

Antenna type	Internal Antenna
Material	stainless steel
Working Frequency Band	2400~2500MHz
Operating Frequency (MHz)	2400~2500MHz

TECHNICAL INDEX			
1.	Electeical spedifications	Model	
2.		Freqrance	2400/2500MHz
3.		Gain	$3 \pm 0.5\text{DBi}$
4.		Horizontal Beamwidth	360°
5.		Vertical Beamwidth	$20 \pm 5^\circ$
6.		VSWR	≤ 1.7
7.		Lmpedance	50Ω
8.		Polarization	Vertical polarization
9.		max.power	50W
10.		Connection	/
11.		Lightning protertion	DC Ground
12.	Mechanical Specificatlons	size	/
13.		weight	/
14.		Wind resistance strength	/
15.		Working humidity	$< 95\%$
16.		operation temperature	$-35 \sim 150^\circ$

1. Testing Environment:



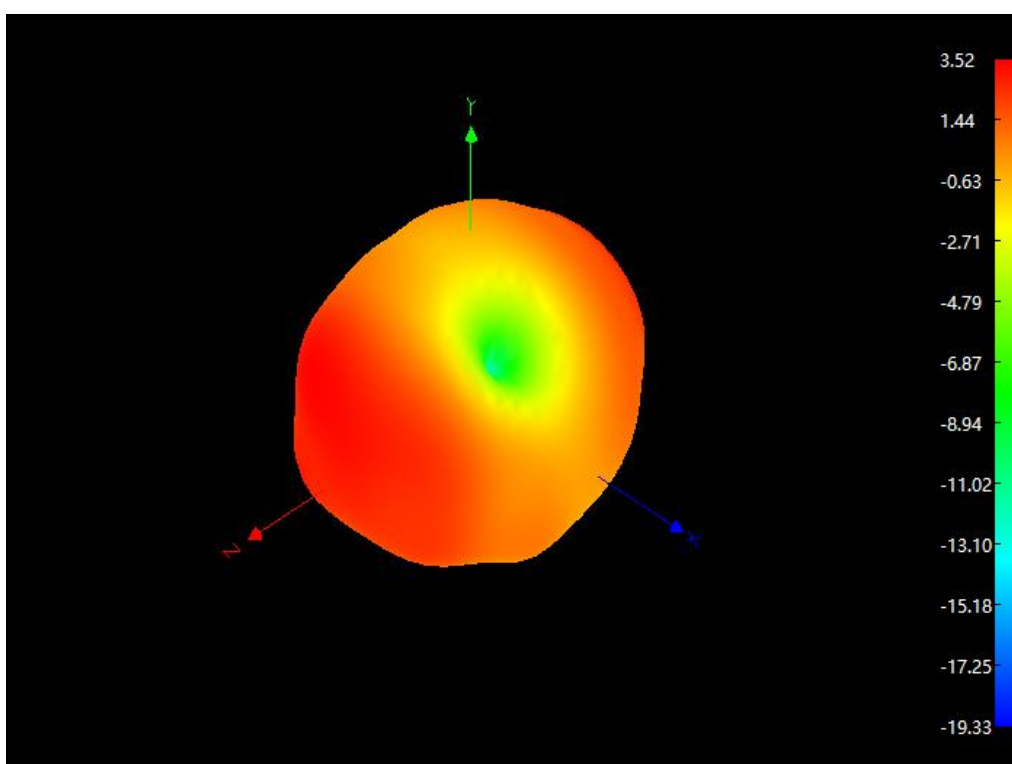
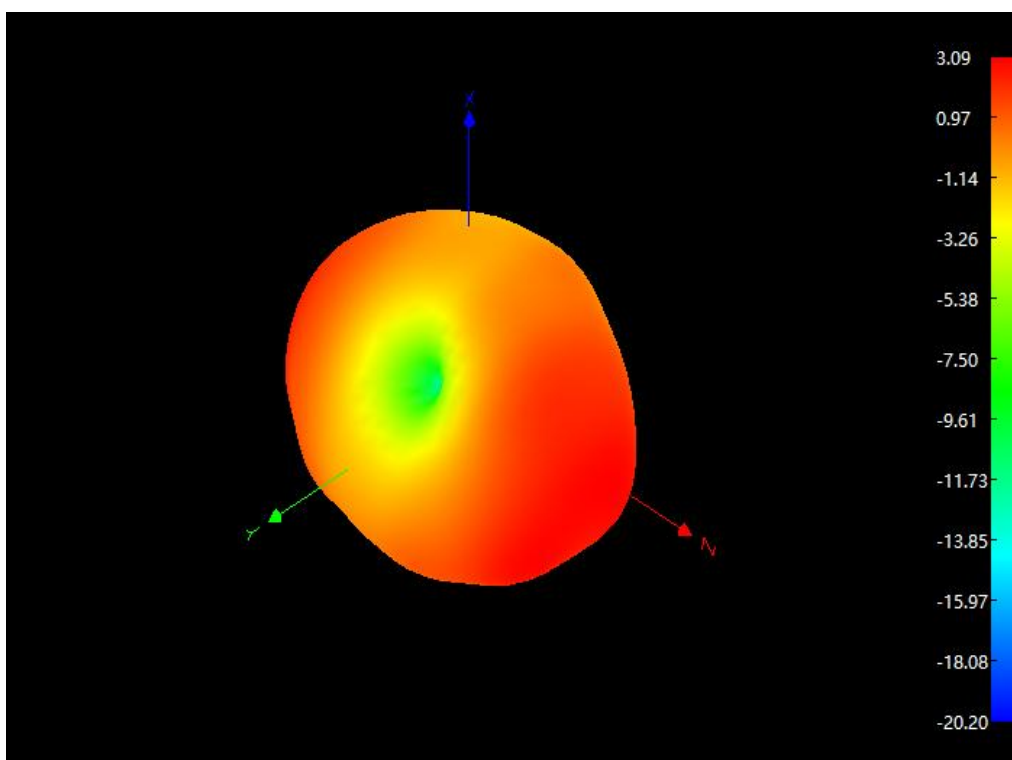
2. Matching Circuit:

No changes

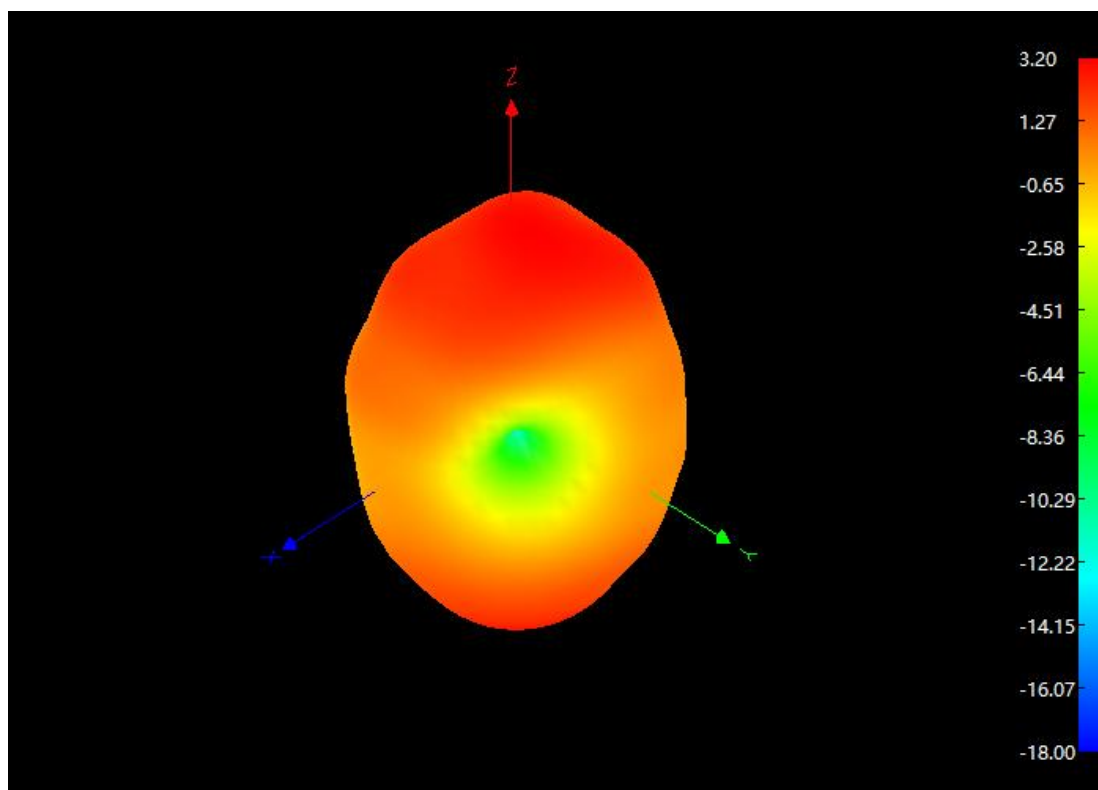
3. Test Data:

3.1 Gain&Efficiency

Frequency / MHz	Efficiency / dB	Efficiency / %	Gain/ dBi
2400	-1.91	64.42	3.09
2410	-1.66	68.23	3.6
2420	-1.69	67.76	3.36
2430	-1.74	66.99	3.48
2440	-1.52	70.47	3.54
2450	-1.65	68.39	3.52
2460	-1.84	65.46	3.29
2470	-1.77	66.53	3.22
2480	-1.91	64.42	3.27
2490	-2.14	61.09	2.93
2500	-2	63.1	3.2

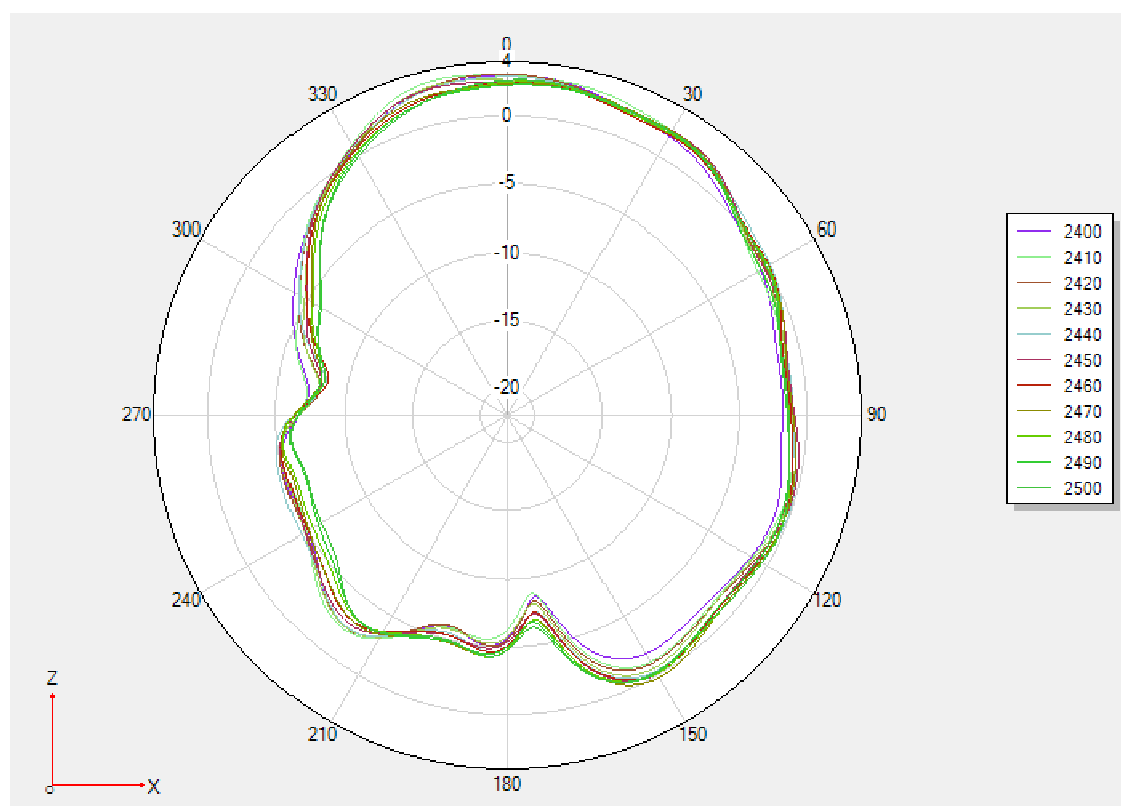


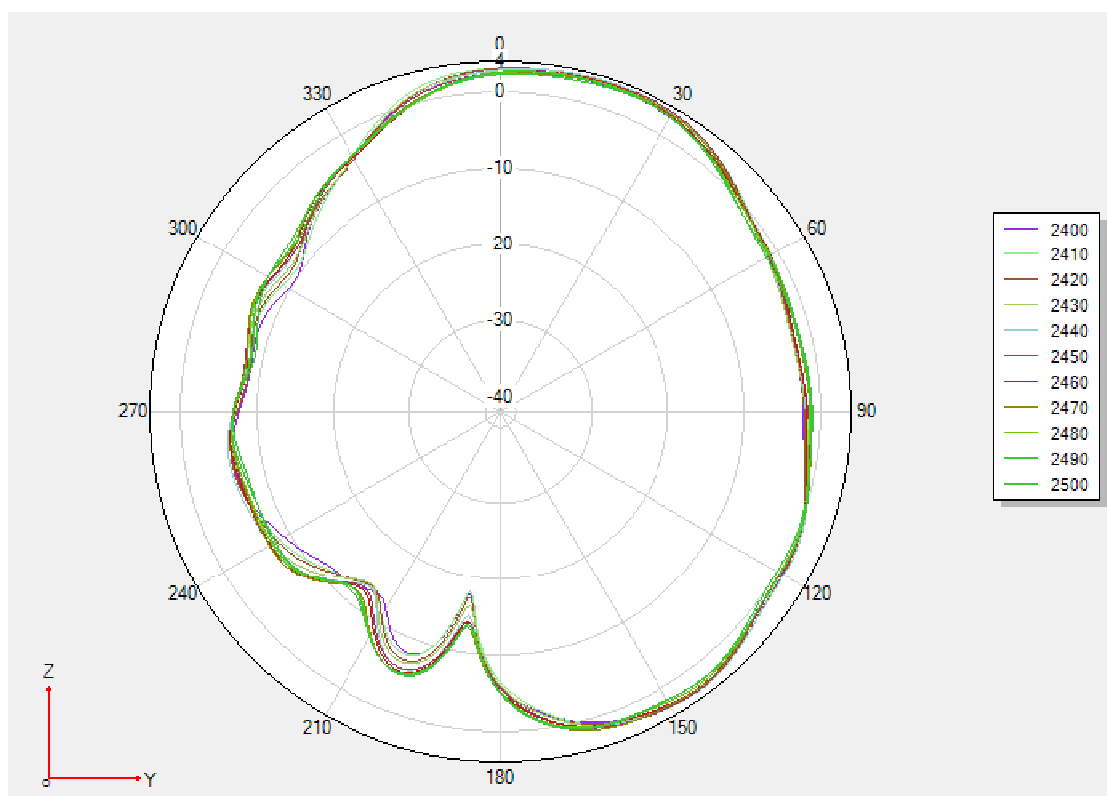
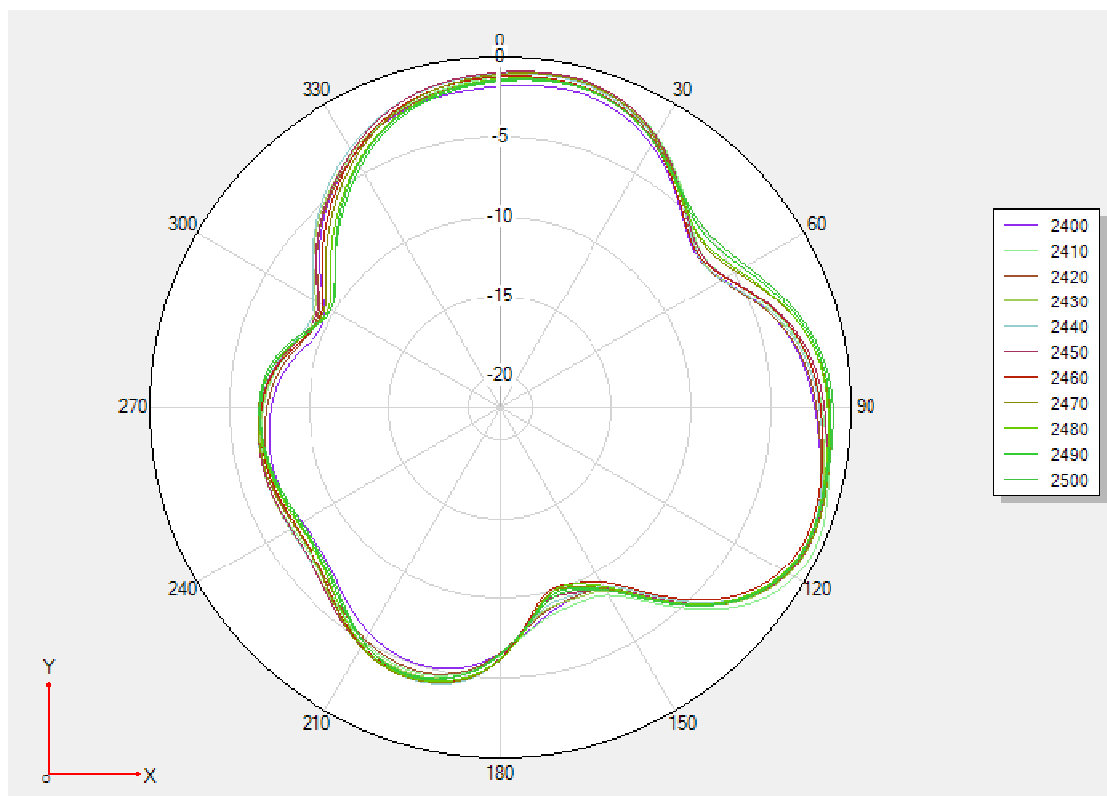
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nal

pattern





3.3 Antenna standing wave



3.4 Test data

Band	channel	TRP (dBm)	TIS (dBm)
2.4WIFI B	1	19.1	
	6	19.8	-82.1
	11	19.3	
2.4WIFI G	1	19.2	
	6	19.5	-71.5
	11	19.1	
2.4WIFI N	1	19.2	
	6	19.7	-67.1
	11	19.1	

4. Product Drawings

