



manufacture :

Dongguan RF Electronic Technology Co., Ltd
any Address: No.1 Sankeng Industrial Zone, Qinghutou, Tangxia Town, Dongguan City
电话: 0769-38940168 传真: 0769-39010966 网址: http://rflink.net.cn

规格书

SPECIFICATION FOR APPROVAL

客户名称

CUSTOMER NAME:

产品名称

PRODUCT NAME: 2.4/5G Antenna L=35mm

客户料号

CUSTOMER P/N:

仁丰料号

RenFeng P/N: U00T02S000N07086 REV:B

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
CHECKED BY:	顾思远	Gu Siyuan
AUDITOR BY:	宋 俊	Song Jun
APPROVED BY:	姚定军	Yao Dingjun
DATE:	2024-10-14	



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5、-----	Finished drawing
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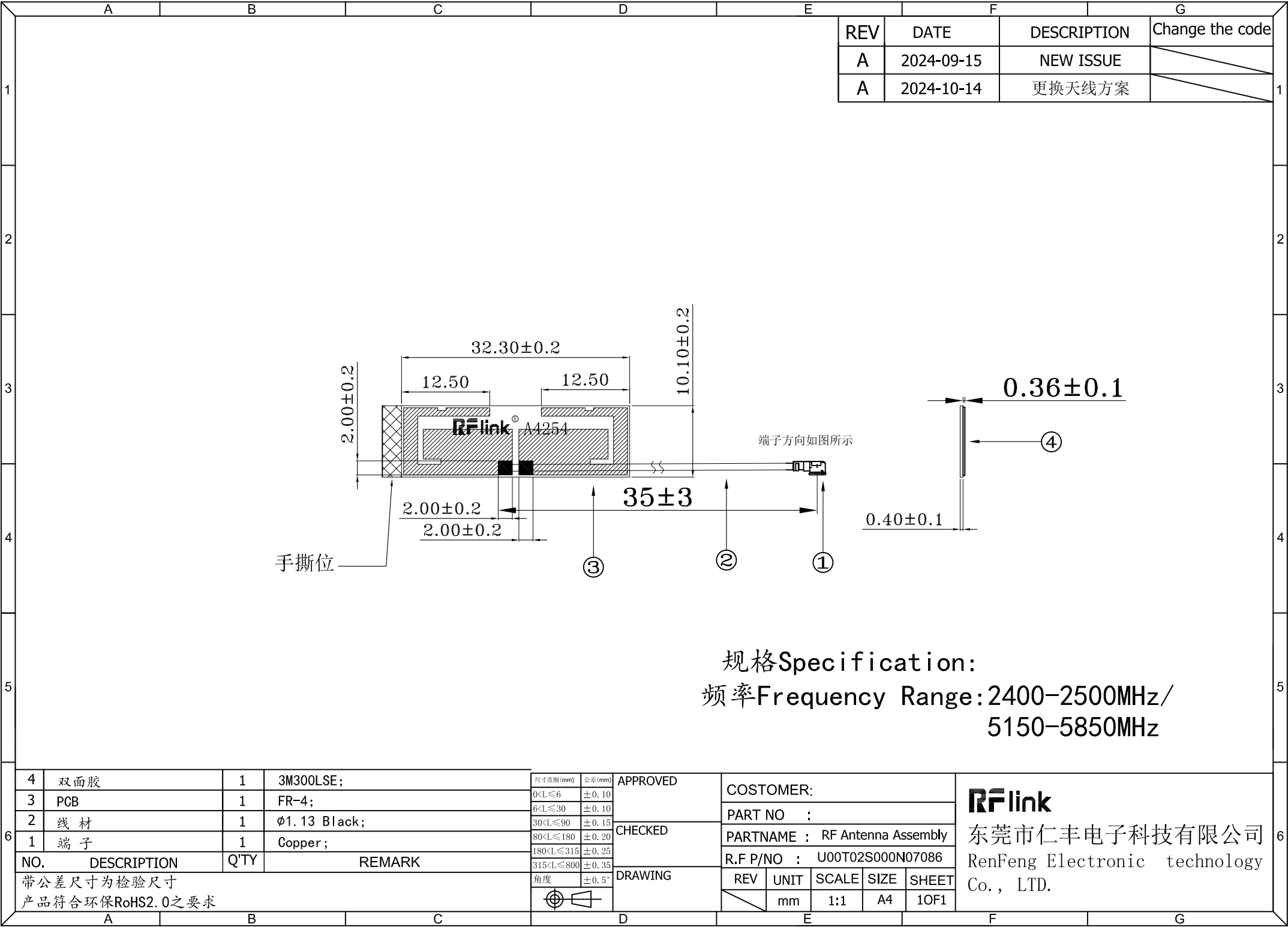
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规格表:

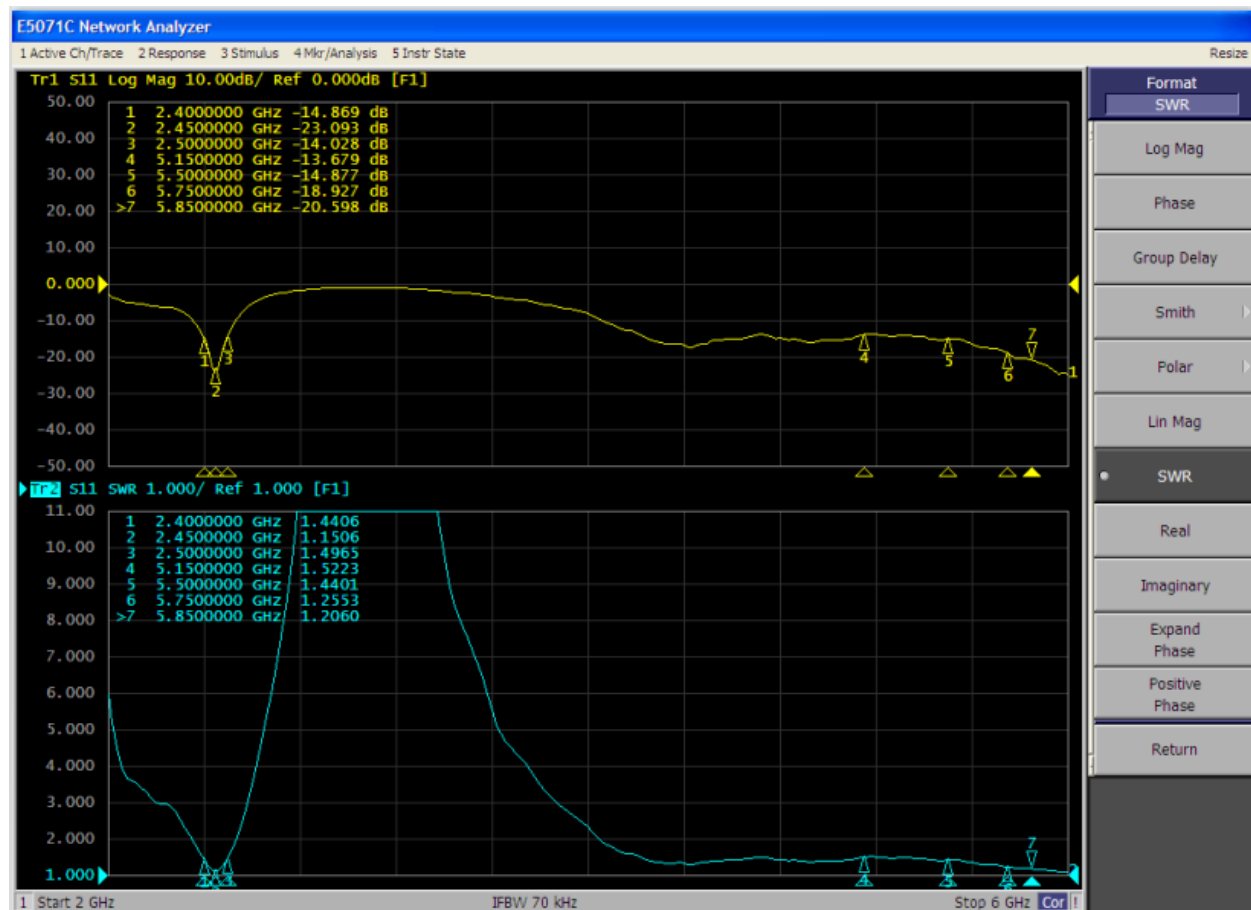
RF Cable Assembly Specification

主要技术指标		Main technical specifications	
频率范围 (MHZ)	2400-2500 5150-5850	Frequency Range (MHZ)	2400-2500 5150-5850
特性阻抗(Ω)	50	Impedance(Ω)	50
输出电压 驻波比	2.0	VSWR	2.0
天线外套材料	PI	Antenna cover	PI
物理性能		Physical Properties	
线材	1.13双锡线	Cable	1.13 Cable
连接头	端子	Connector	MHF Plug
保存温度	-20℃~+70℃	Storage Temp	-20℃~+70℃
工作温度	-20℃~+60℃	Operating Temp	-20℃~+60℃



二、无源报告Passive report

◆ 反射参数 (Reflection parameter) S11----ANT1



二、无源报告

◆ 辐射参数表
Radiation parameter table

ANT1		
frequency / MHz	efficiency / %	gain / dBi
2400	57.94	3.24
2410	57.15	2.9
2420	57.68	2.72
2430	57.68	2.48
2440	58.61	2.48
2450	58.21	2.43
2460	56.62	2.49
2470	56.1	2.71
2480	55.7	2.81
2490	55.97	2.82
2500	54.12	2.7

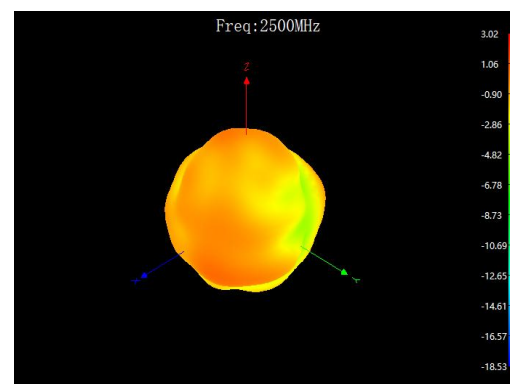
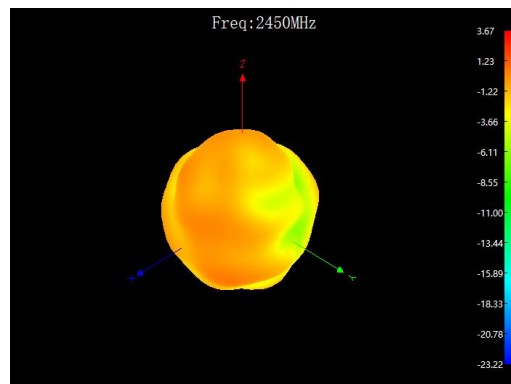
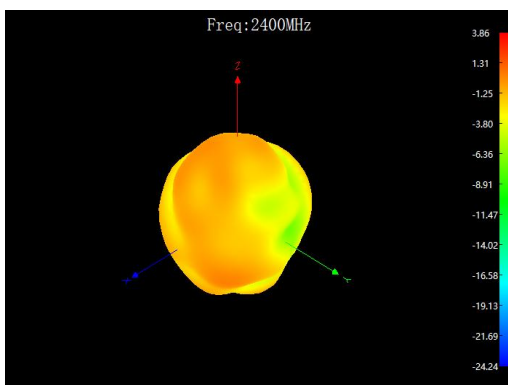
ANT1		
frequency / MHz	efficiency / %	gain / dBi
5150	66.12	4.6
5200	67.44	4.62
5250	70.51	5.1
5300	72.45	5.48
5350	72.62	4.83
5400	70.34	5.34
5450	71.91	5.13
5500	73.52	4.62
5550	71.21	4.5
5600	69.3	4.17
5650	67.78	4.08
5700	64.98	3.89
5750	63.87	4.06
5800	62.45	4.5
5850	62.61	4.58

二、无源报告Passive report

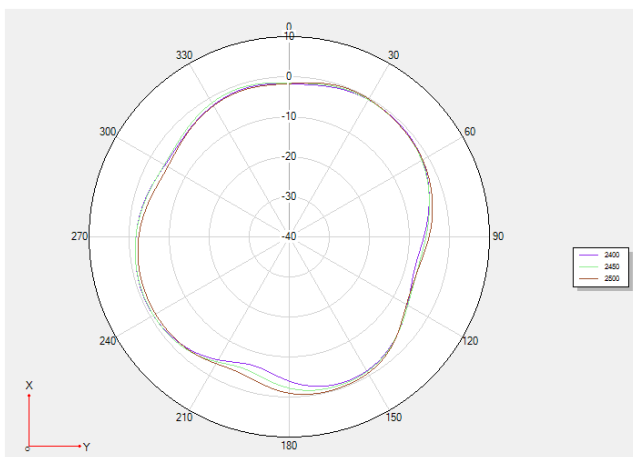
◆ 辐射方向图Radiation pattern

ANT-2.4G

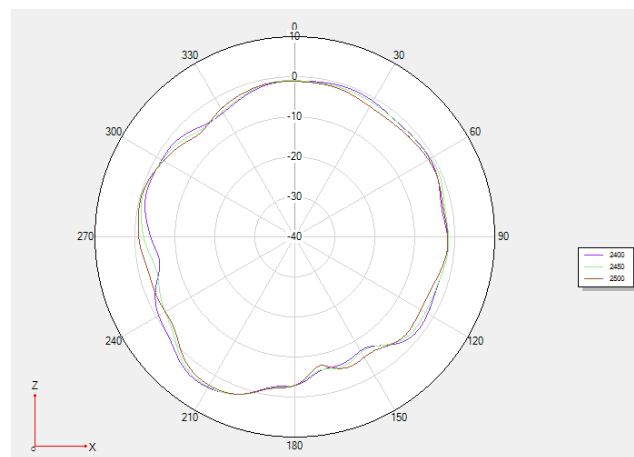
3DDirectional diagram



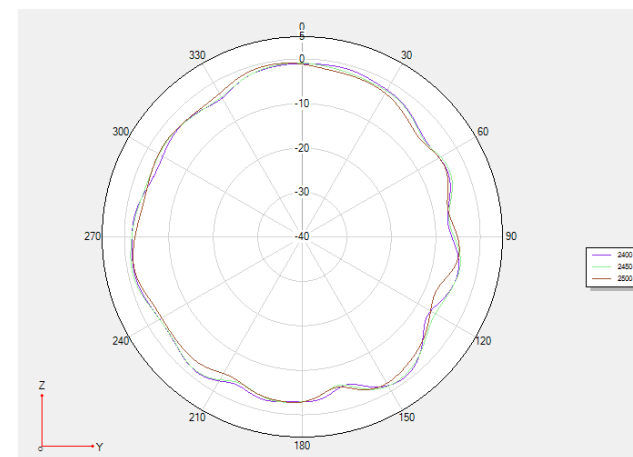
H面-THET=90



E1面-PHI=0



E2面-PHI=90

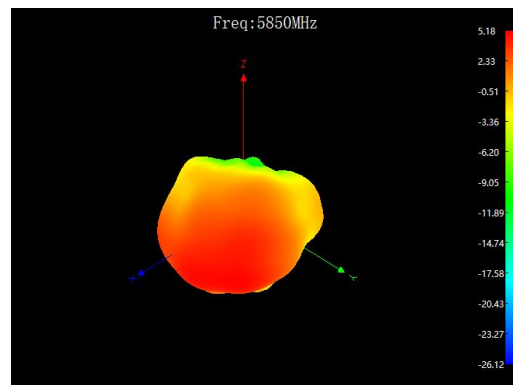
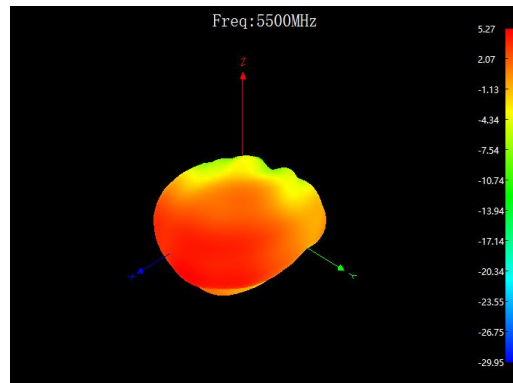
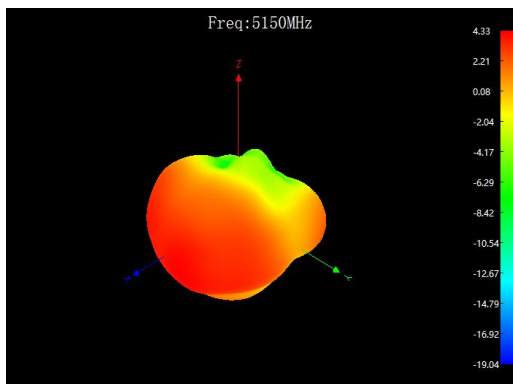


二、无源报告Passive report

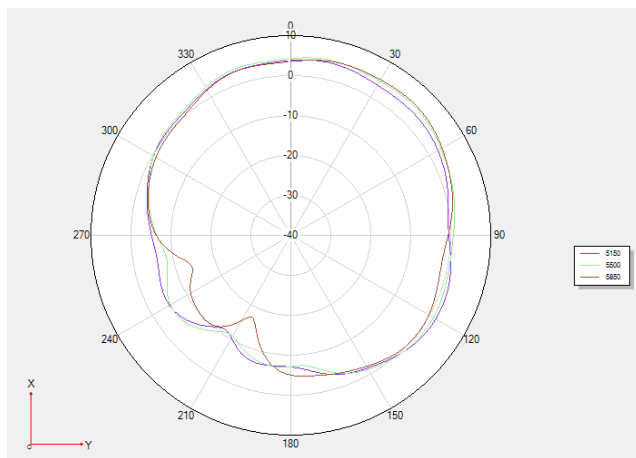
◆ 辐射方向图Radiation pattern

ANT-5G

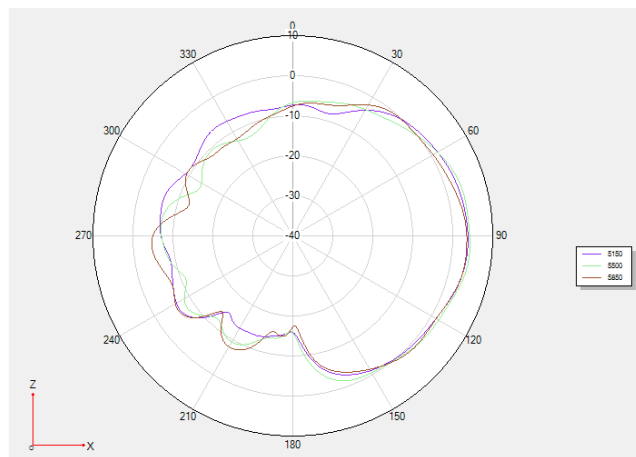
3DDirectional diagram



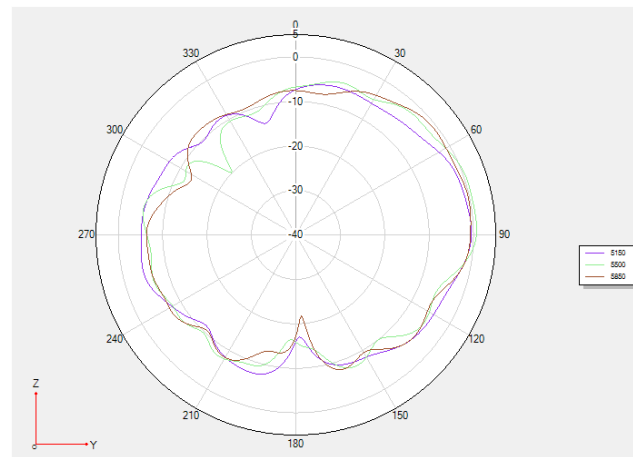
H面-THET=90



E1面-PHI=0



E2面-PHI=90



三、有源报告Active report

OTA data

Item	Measurement	Band	Channel	Frequency	Total
1	TRP	WIFI_B (11M)	1	2412	19.66
2	TRP	WIFI_B (11M)	6	2437	18.87
3	TRP	WIFI_B (11M)	11	2462	19.39
4	TIS	WIFI_B (11M)	1	2412	-87.65
5	TIS	WIFI_B (11M)	6	2437	-89
6	TIS	WIFI_B (11M)	11	2462	-88.56
7	TRP	WIFI_A (54M)	36	5180	22.51
8	TRP	WIFI_A (54M)	100	5500	21.62
9	TRP	WIFI_A (54M)	165	5825	22.55
10	TIS	WIFI_A (54M)	36	5180	-77.27
11	TIS	WIFI_A (54M)	100	5500	-79.43
12	TIS	WIFI_A (54M)	165	5825	-78.5