

SPECIFICATION

SHEET FOR APPROVAL

(Revision: R: A0)

CUSTOMER(客户名称)	Tonly	
CS P/N(客户机种)		
PART NAME(品名)	ZTX-RH5-WIFI0 天线组件	
MODEL NAME(型号名称)	ZTX-RH5-WIFI0-V04	
FREQUENCY(频率)	2400~2500/5150~5975/6025~6975/7025~7125MHz	
CUS.P/N(客户料号)		
ZTX NO.(物料编号)	2.00001697	
DATE(日期)	2025-06-27	

CUSTOMER			
QA CHECKED	ME CHECKED	RF CHECKED	MANAGER CHECKED

Remark(备注):

Sign(客户确认签字盖章):

Shenzhen ZTX Communication Technology Co., Ltd				
MANAGER CHECKED	MANAGER CHECKED	ME CHECKED	RF CHECKED	LISTER
20250627		覃乐	熊皓	

研发专用章



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ANTENNA SPECIFICATION

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Revision history

版本	日期	状态
A0	2025-06-27	初版

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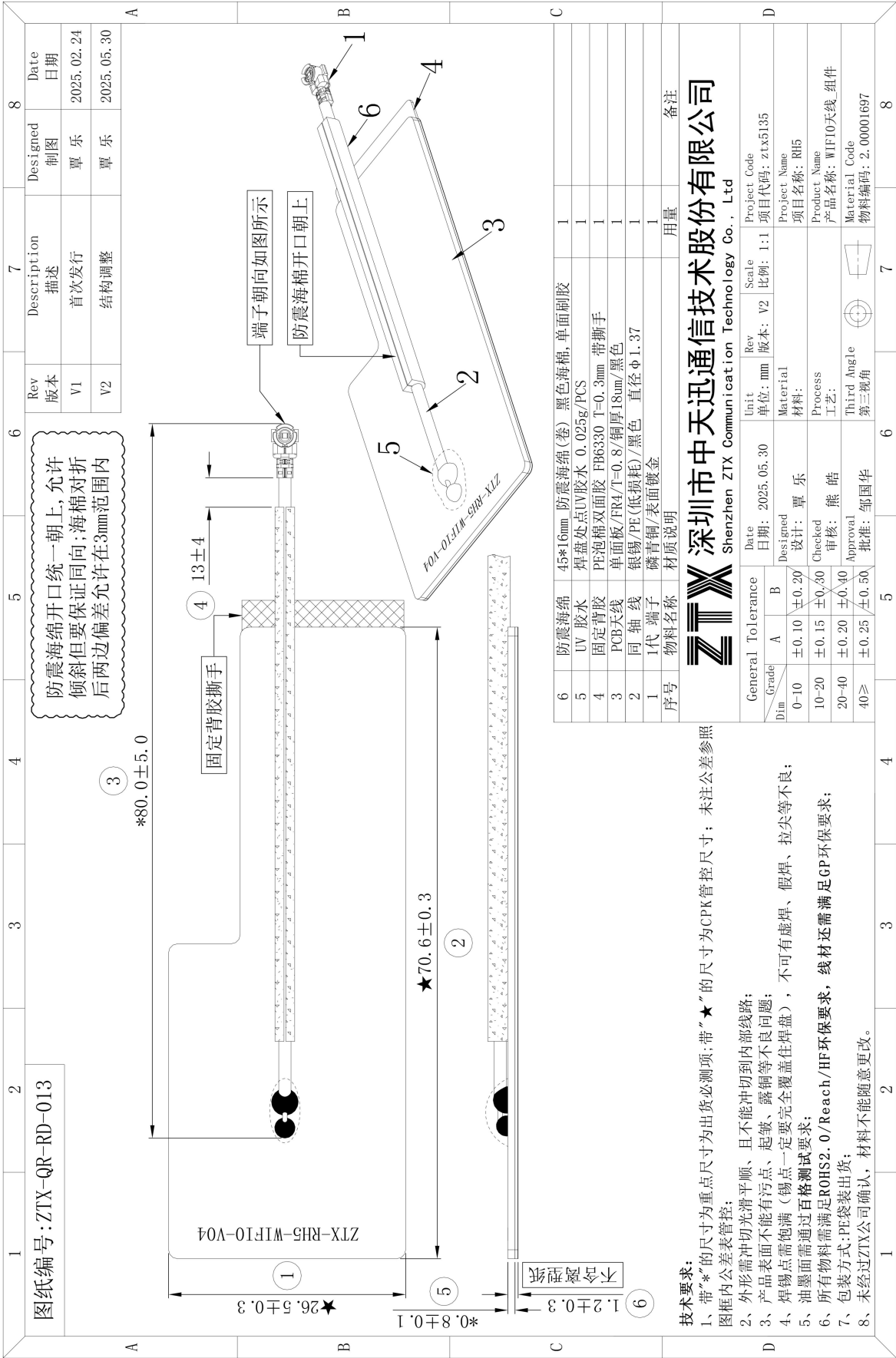
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ANTENNA SPECIFICATION

1. Mechanical Specification

1-1 Mechanical Configuration (WIFI0 天线组件)



中天迅
Shenzhen ZTX Communication Technology Co., Ltd

技术要求:
1、带“*”的尺寸为重点尺寸为出货必测项;带“★”的尺寸为CPR管控尺寸;未注公差参照图框内公差表管控;
2、外形需冲切光滑平顺、且不能冲切到内部线路;
3、产品表面不能有污点、起皱、露铜等不良问题;
4、焊锡点需饱满(锡点一定要完全覆盖住焊盘),不可有虚焊、假焊、拉尖等不良;
5、油墨面需通过百格测试要求;
6、所有物料需满足ROHS2.0/Reach/HF环保要求,线材还需满足GP环保要求;
7、包装方式:PE袋装出货;
8、未过ZTX公司确认,材料不能随意更改。

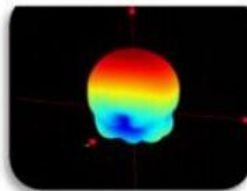
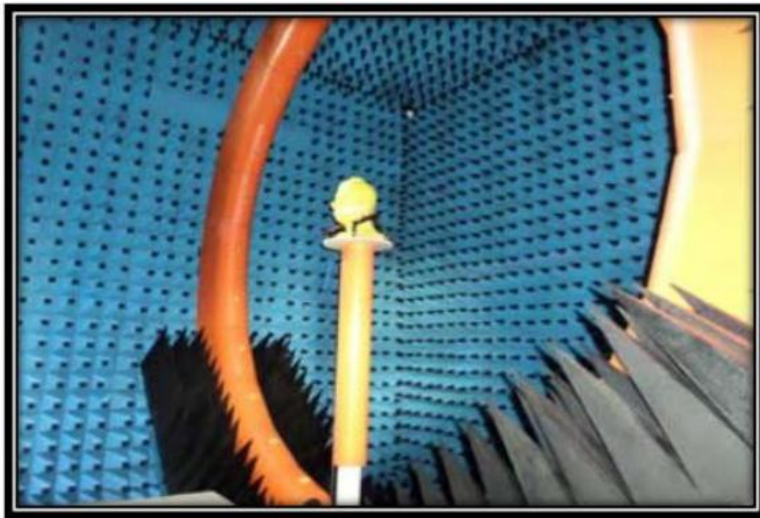
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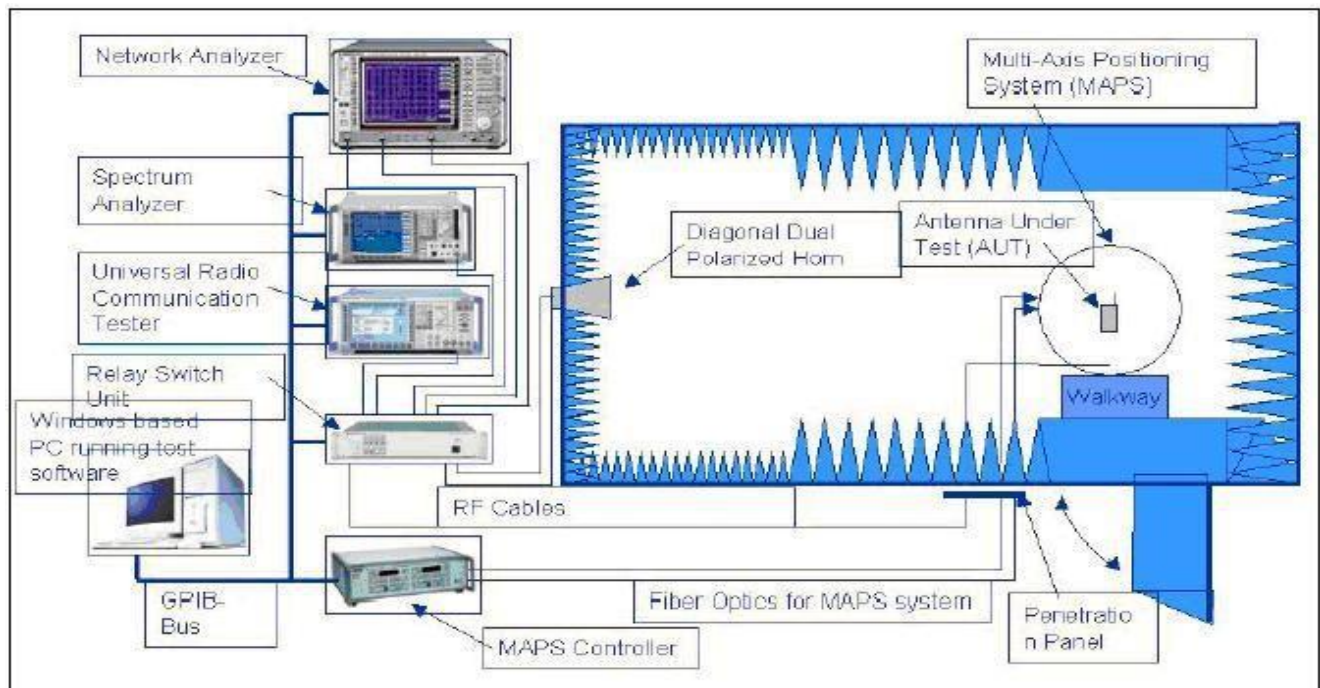
2.Test equipment



Owned 6 microwave dark room, equipped 2 sets world leading France Satimo SG24 OTA certification test systems (one in SHENZHEN, another one in Shanghai), ETS OTA Standard test system, Blue test reverberation test system which is High repeatability, high accuracy and high resolution. It can quickly provide accurate test reports, fully meet the CTIA standards.

Testing range:

Support active, passive testing of
GSM/CDMA/WCDMA/TD-
SCDMA/LTE/WIFI/WLAN/WiMax/BT
/GPS/MIMO/UWB within 0.4-6G.



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2-1 Passive Test

Frequency (MHz)	Efficiency (%)	Efficiency (dB)	Gain (dBi)	Frequency (MHz)	Efficiency (%)	Efficiency (dB)	Gain (dBi)
2400	54%	-2.71	3.35	5925	53%	-2.74	4.24
2410	53%	-2.75	3.52	5975	55%	-2.59	4.49
2420	55%	-2.61	3.6	6025	56%	-2.49	4.79
2430	56%	-2.55	3.33	6075	54%	-2.70	4.72
2440	55%	-2.62	2.82	6125	52%	-2.80	4.31
2450	54%	-2.71	2.89	6175	52%	-2.84	3.91
2460	52%	-2.82	2.95	6225	48%	-3.22	3.96
2470	51%	-2.90	2.88	6275	47%	-3.24	4.12
2480	51%	-2.93	2.85	6325	47%	-3.31	3.27
2490	51%	-2.91	2.79	6375	47%	-3.26	3.47
2500	50%	-3.02	2.72	6425	48%	-3.18	3.55
5150	58%	-2.35	4.81	6475	48%	-3.15	3.25
5200	58%	-2.39	4.78	6525	47%	-3.25	3.13
5250	58%	-2.34	4.87	6575	44%	-3.52	3.6
5300	57%	-2.46	4.39	6625	42%	-3.79	3.23
5350	57%	-2.46	4.11	6675	42%	-3.72	3.35
5400	58%	-2.36	3.99	6725	43%	-3.65	3.4
5450	59%	-2.26	4.13	6775	42%	-3.76	3.74
5500	59%	-2.32	4.4	6825	45%	-3.49	3.46
5550	59%	-2.27	4.58	6875	48%	-3.20	3.35
5600	58%	-2.36	4.73	6925	45%	-3.44	3.07
5650	55%	-2.57	4.28	6975	46%	-3.40	3.05
5700	52%	-2.84	3.39	7025	45%	-3.44	3.18
5750	52%	-2.85	3.57	7075	46%	-3.35	3.48
5800	52%	-2.82	3.58	7125	43%	-3.69	3.58
5850	53%	-2.78	3.52				

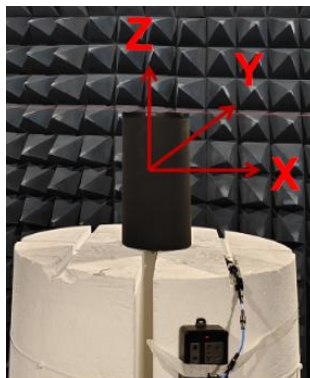
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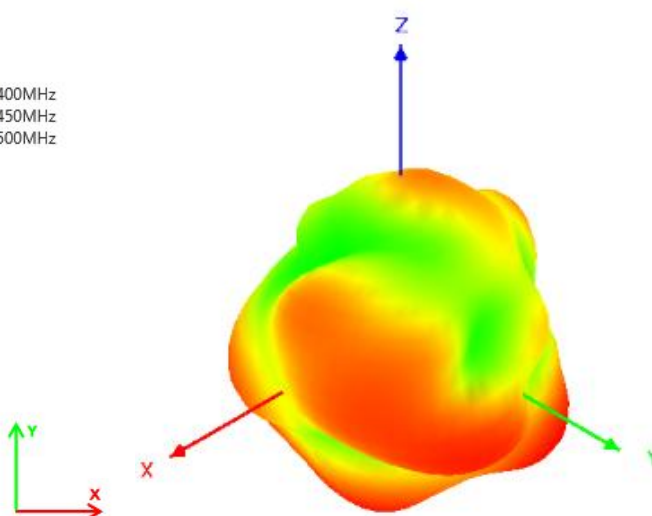
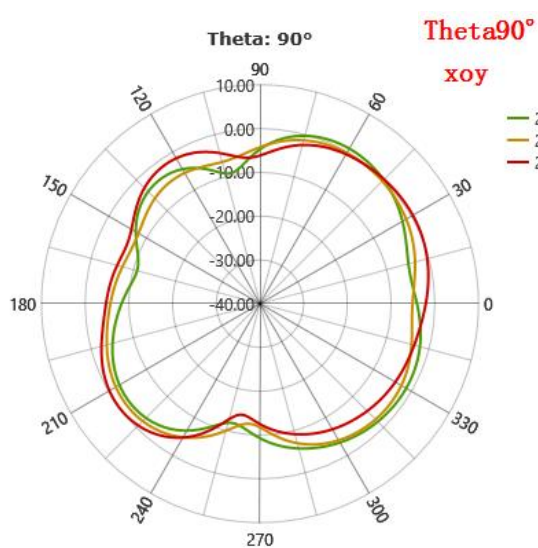
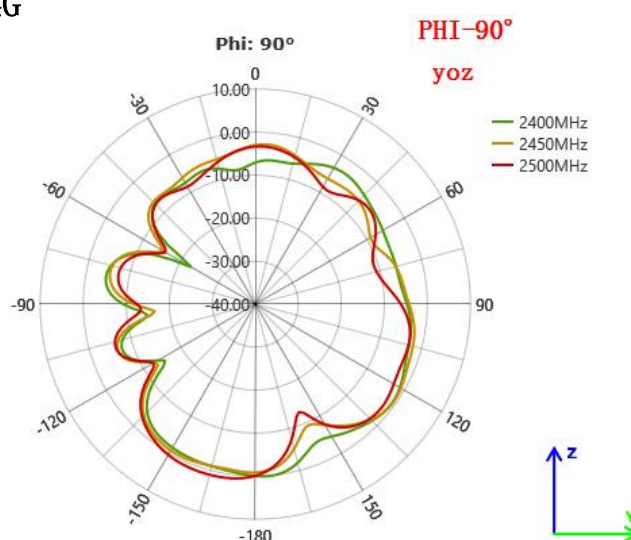
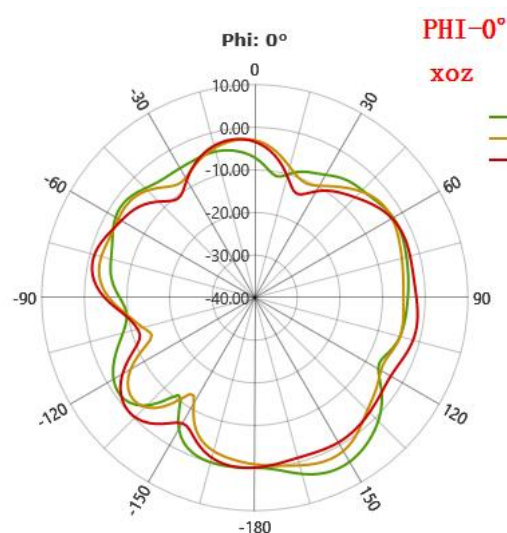
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2-2 2D/3D Radiation Pattern Results



2. 4G



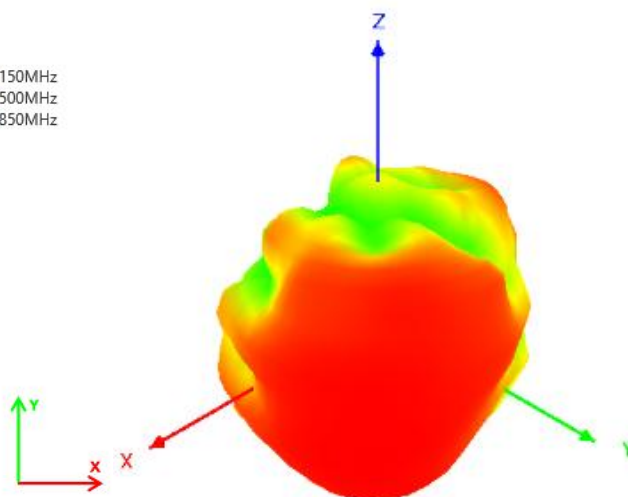
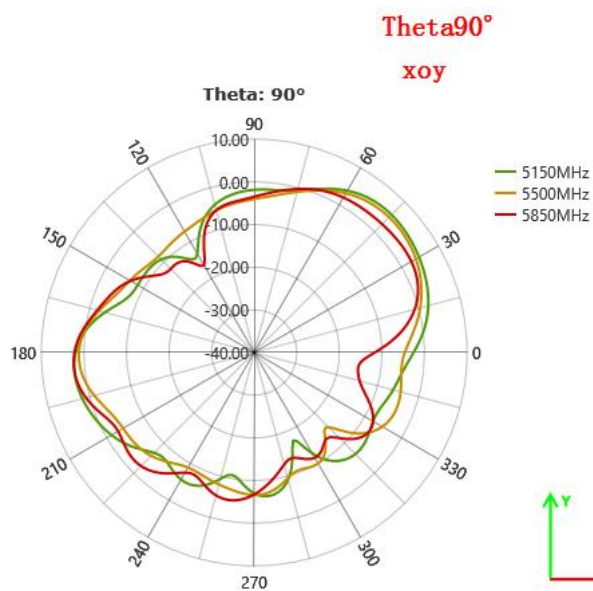
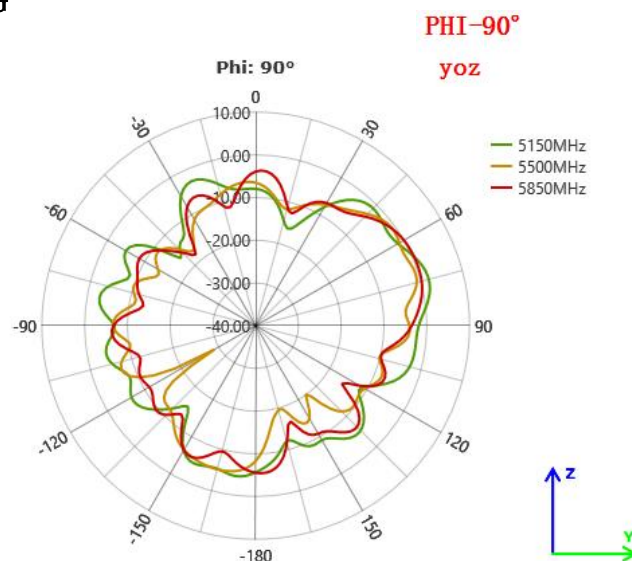
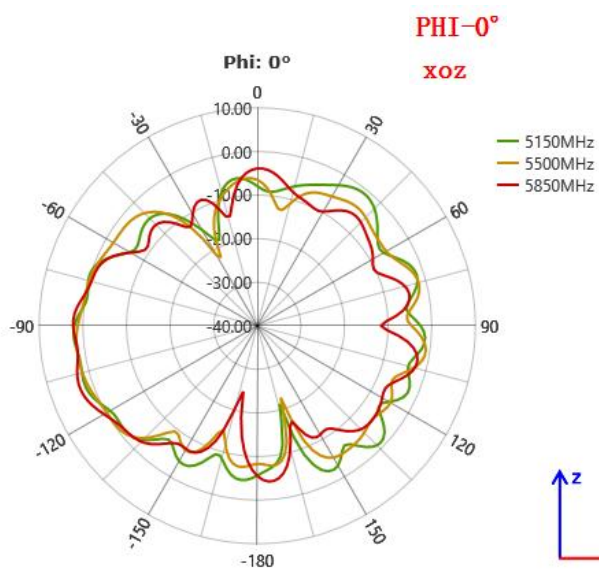
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