

SPECIFICATION

SHEET FOR APPROVAL

(Revision: R: A0)

	CUSTOMER	Hesung Innovation Limited	
	CS P/N	DR-HPF001S seven inches DC vertical cyclic fan-IOT	
	PART NAME	FPC Antenna	
	FREQUENCY	2400~2500MHz	
	ZTX NO.	2.00006418	
	DATE	2023-11-30	

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 2023.11.30 研发专用章	MANAGER CHECKED	ME CHECKED Lie Qin	RF CHECKED Pei Wang	LISTER



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ANTENNA SPECIFICATION

CUS P/N :DR-HPF001S 2.4G Antenna

Application Date:Nov,30, 2023

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Revision history

版本	日期	状态
A0	2023-11-30	初版

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ANTENNA SPECIFICATION

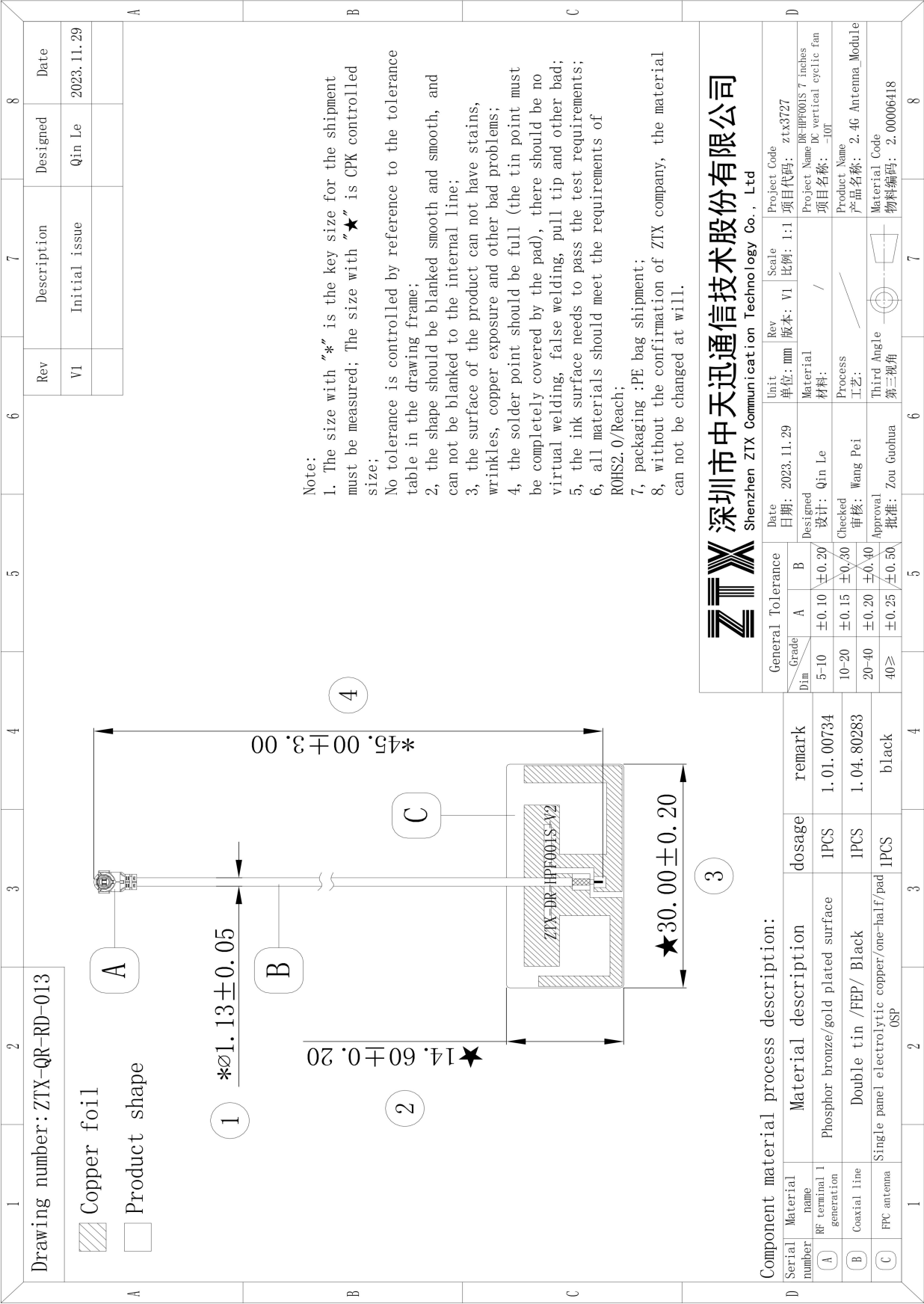
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1. Mechanical Specification

1-1 Mechanical Configuration (2.4G Antenna)



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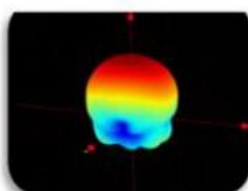
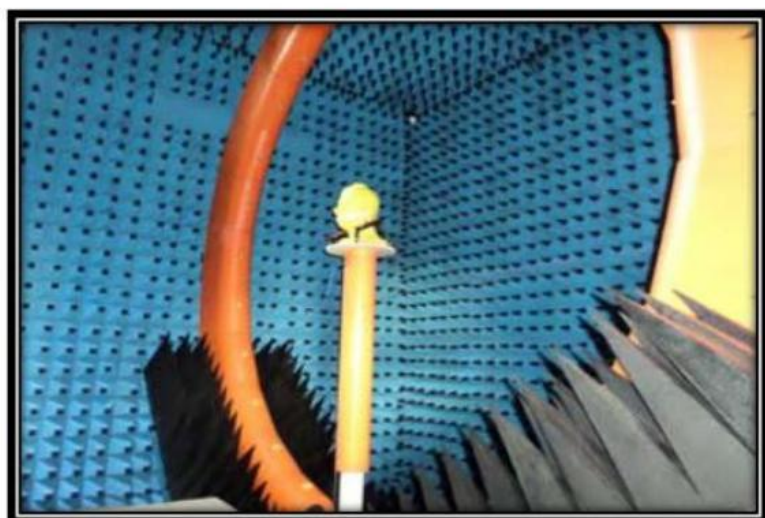
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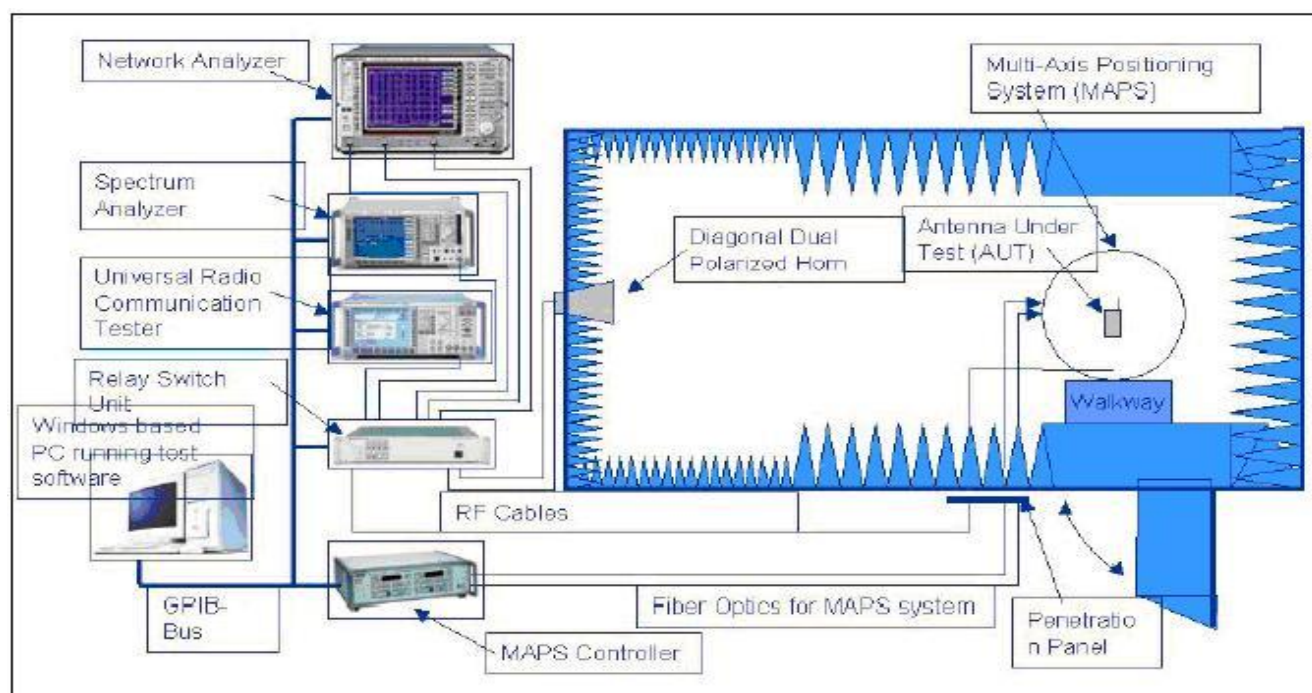
2. Test equipment



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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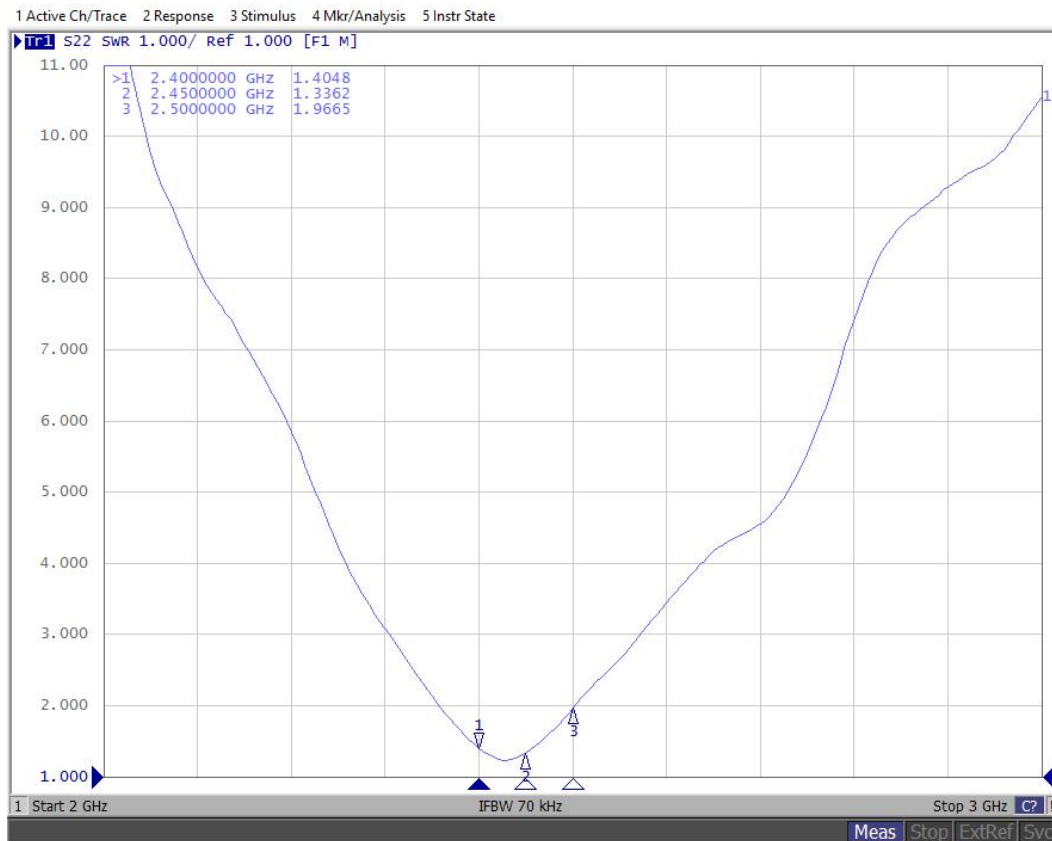
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3.Test Results Sumrmry

3-1 VSWR



3-2 No-source test data

Frequency	Efficiency	Efficiency . dB	Gain . dB
2400MHz	65%	-1.90	3.22
2410MHz	62%	-2.07	2.84
2420MHz	66%	-1.81	2.82
2430MHz	67%	-1.75	2.87
2440MHz	66%	-1.80	2.93
2450MHz	68%	-1.70	3.12
2460MHz	66%	-1.78	3.45
2470MHz	68%	-1.66	3.36
2480MHz	69%	-1.63	3.53
2490MHz	68%	-1.67	3.76
2500MHz	69%	-1.60	4.10

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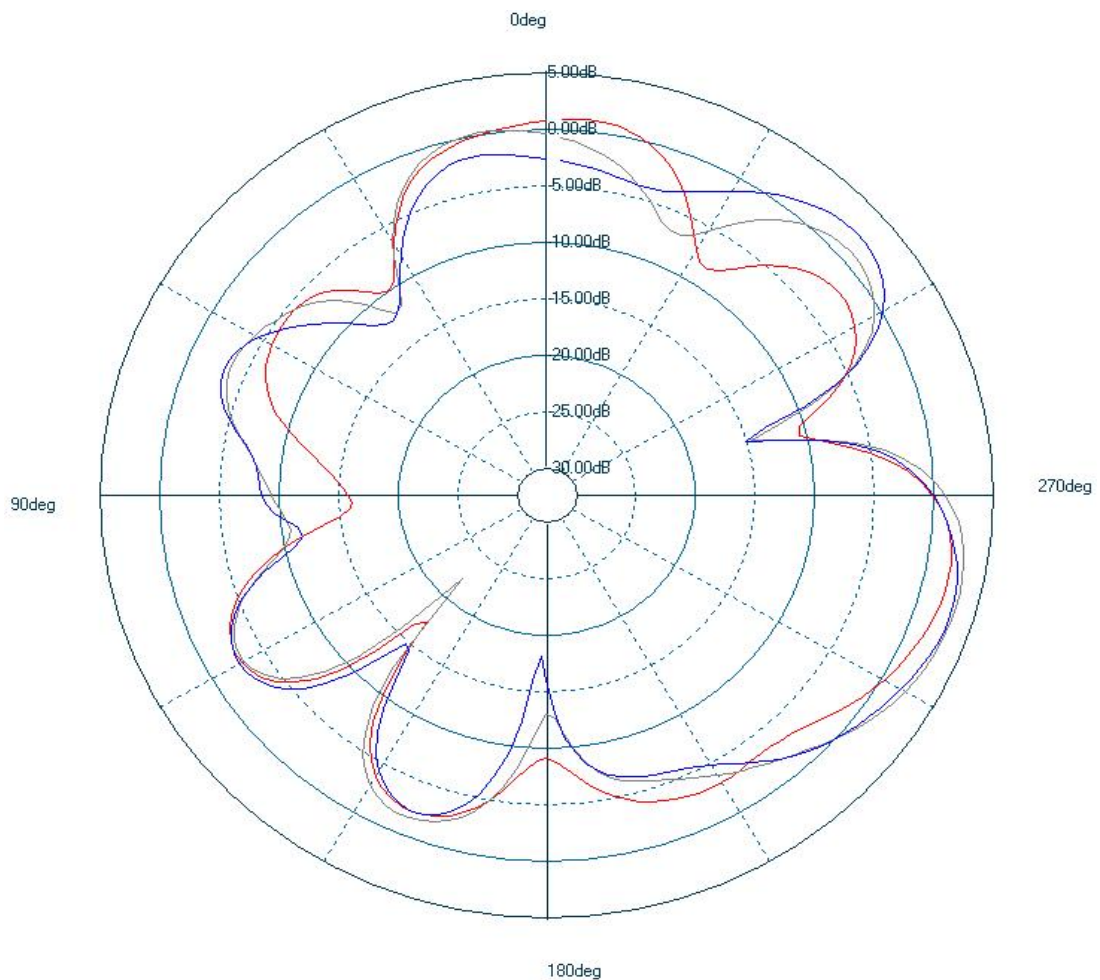
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3-3 Active Test

Moble	B		G		N	
Channels	TRP	TIS	TRP	TIS	TRP	TIS
1	15.31	-84.02	12.91	-69.41	12.65	-63.53
6	14.73	-84.12	13.17	-69.51	12.94	-63.48
11	14.83	-84.24	13.24	-69.27	12.87	-63.26

3-4 2D/3D Radiation Pattern Results

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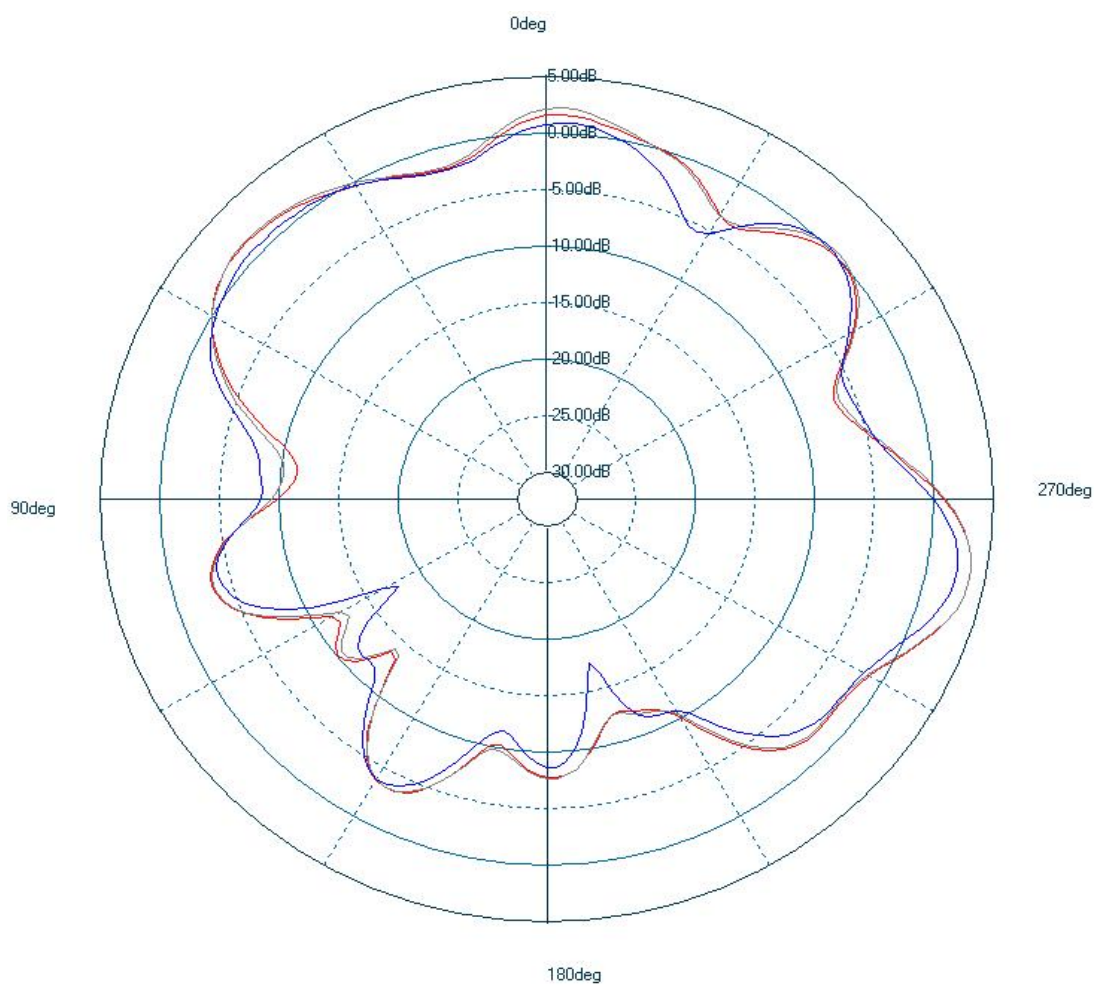
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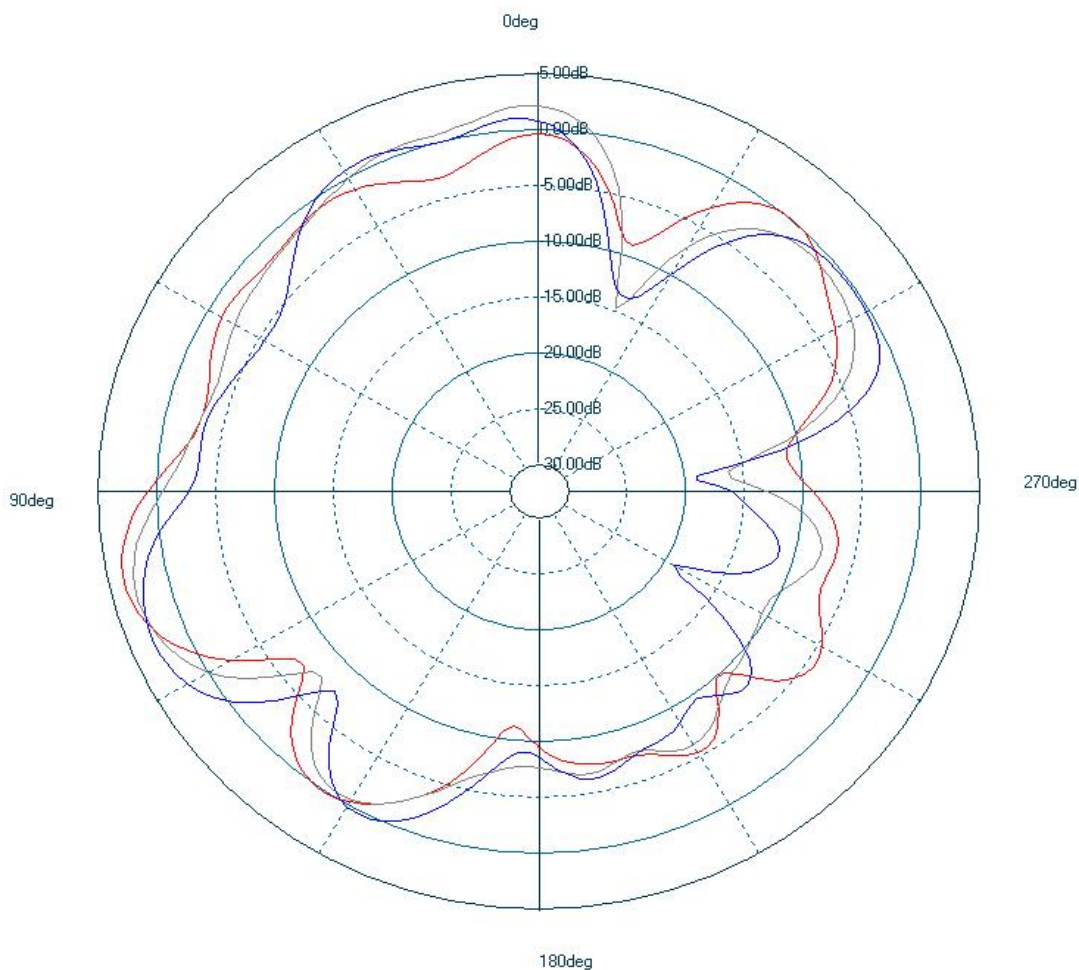
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