

样品承认书

Parts Approval Sheet

生产供应商: 东莞可讯电子有限公司物料名称: 天线类**Supplier****Parts Name**型号/规格: TX-HF-H-TV101X (长380mm) 带IPEX端子 (带套管)海勤料号: 1.01.18.01.2.0006**Type/Spec****Parts No**

品牌: _____

样品数量: _____

Brand**Quantity**送样日期: 2024.12.9

文件编号: _____

Send out Date**Document No**

承认日期: _____

版本: _____

Approve Date**Version**

Supplier		Customer	
Approved By	Prepared By	Engineering Dept	Quality Dept
			



东莞可讯电子有限公司

承认书

(Revision: R: A1)

	CUSTOMER(客户名称)		
	CS P/N(客户机种)	铜管	
	PART NAME(品名)	WIFI 天线	L=380MM
	FREQUENCY(频率)	2.4G~5.85G	
	NO.(物料编号)		
	DATE(日期)	2024.12.9	

CUSTOMER			
QA CHECKED	ME CHECKED	RF CHECKED	MANAGER CHECKED

Remark(备注):

Sign(客户确认签字盖章): _____

MANAGER CHECKED	MANAGER CHECKED	ME CHECKED	RF CHECKED	LISTER
		吴宇	钟志	

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Revision history

版本	日期	状态
A1	2024.12.9	首版承认书

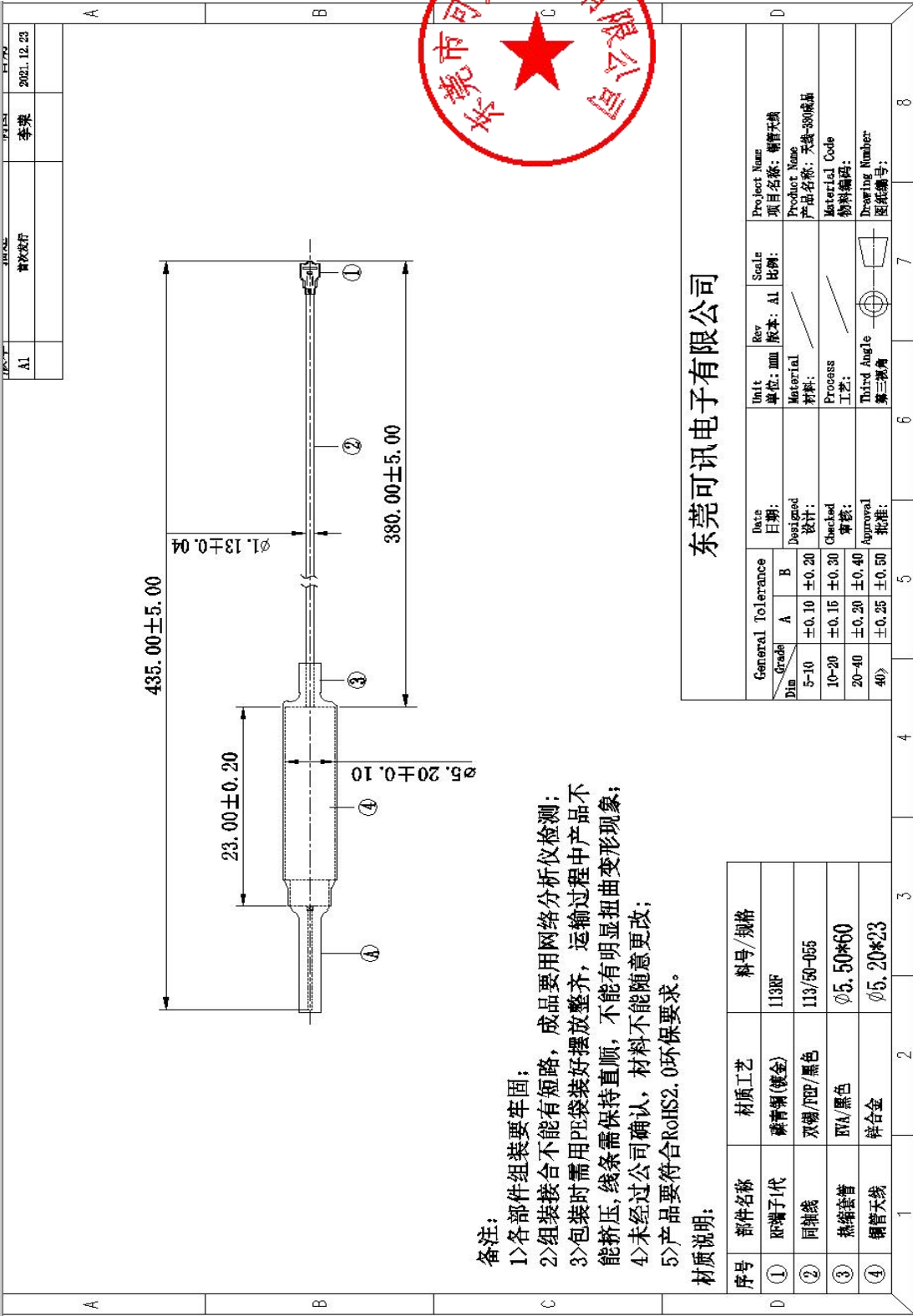


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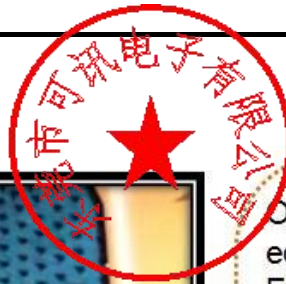
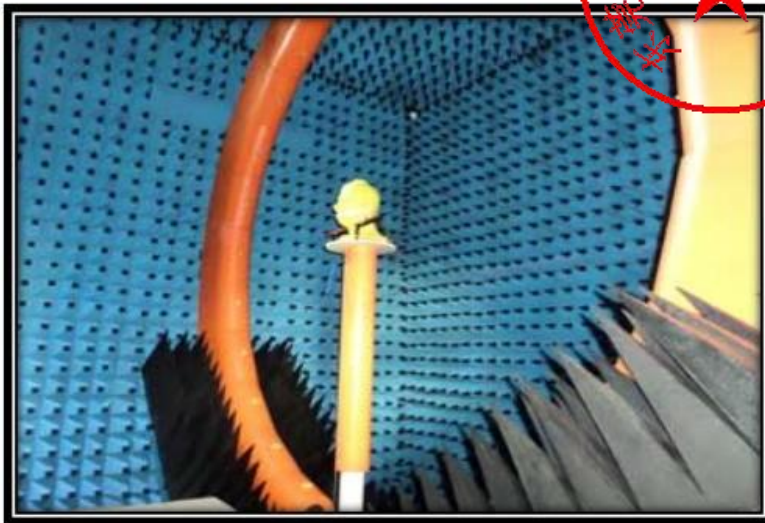
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1. Mechanical Specification

1-1 Mechanical Configuration(天线组件)



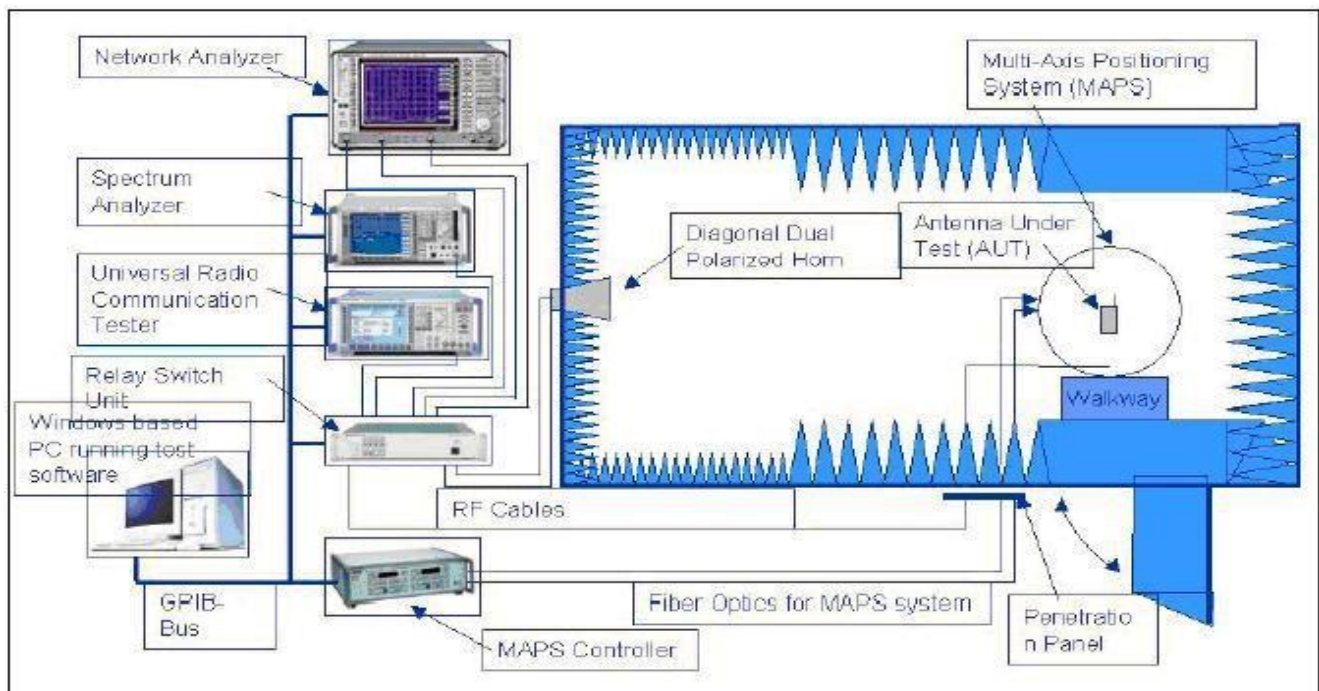
2. Test equipment



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 CITA standards.

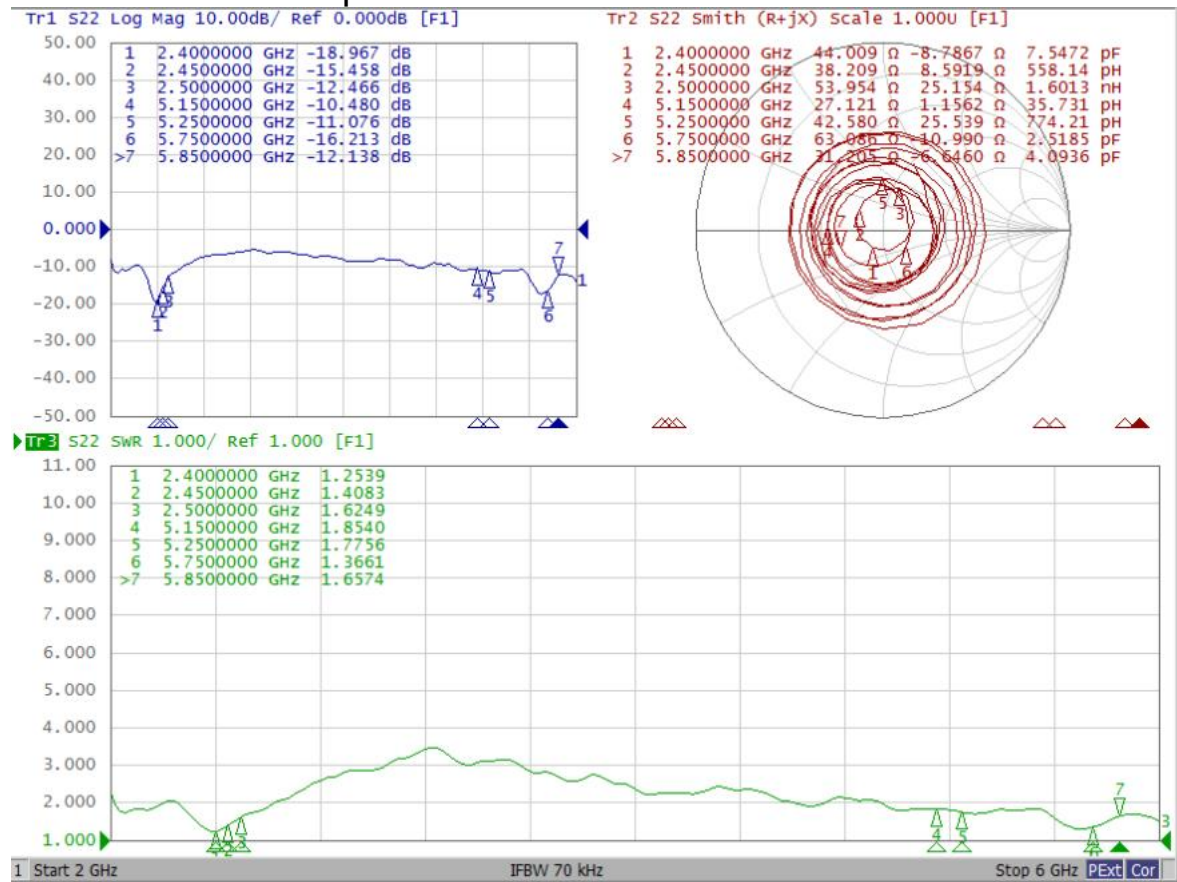
Testing range:

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



3. Antenna test data

3-1 VSWR&Return loss plot&Smith Chart

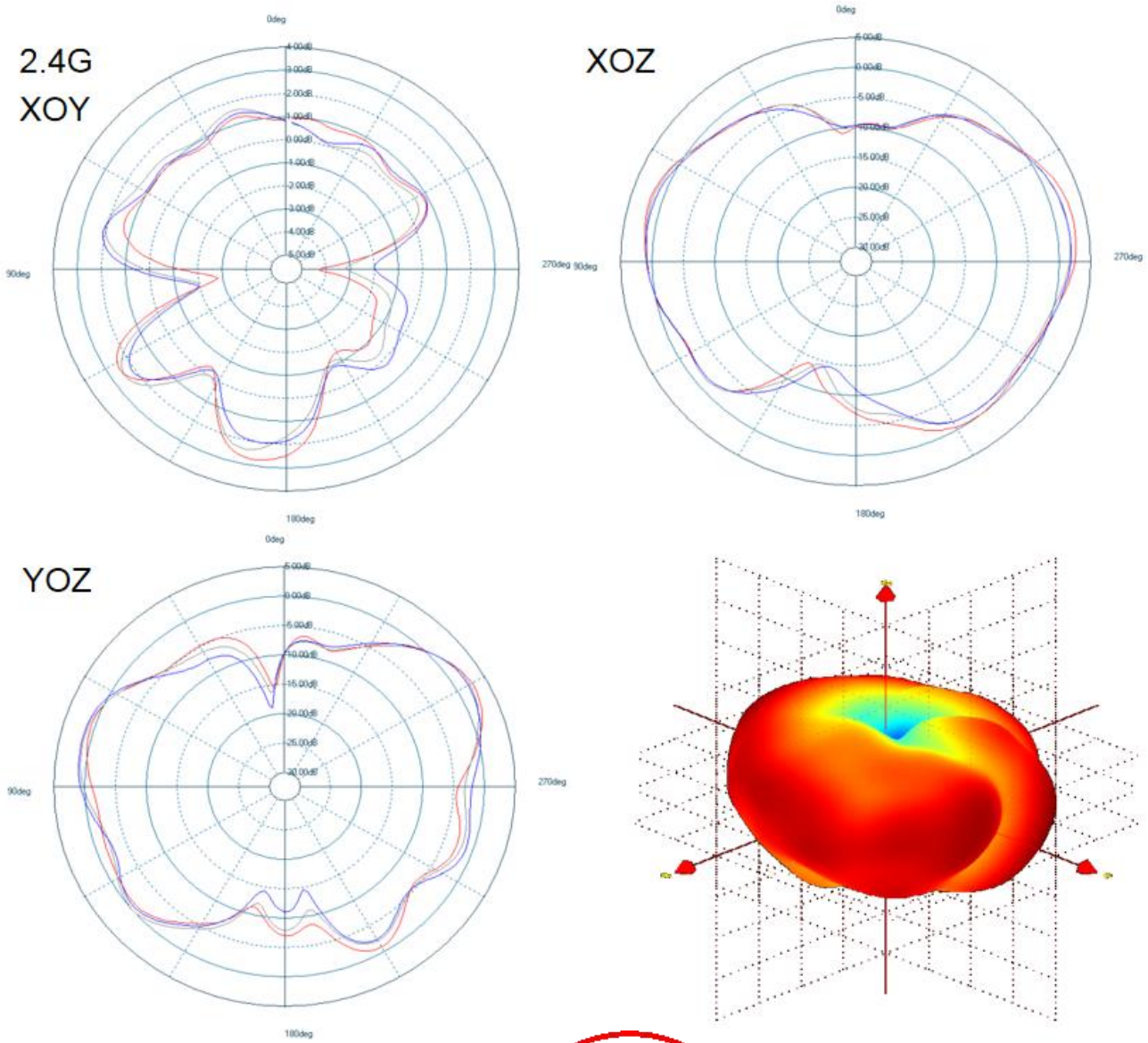


3-2 No-source test data

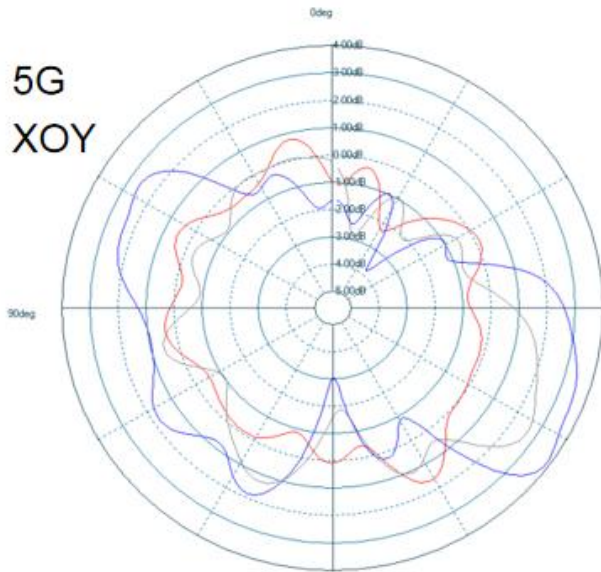
Frequency	Efficiency	Efficiency	Gain . dB
2.4E+09	71%	-1.47	3.23
2.41E+09	72%	-1.42	3.38
2.42E+09	73%	-1.39	3.20
2.43E+09	72%	-1.43	3.06
2.44E+09	72%	-1.42	2.84
2.45E+09	70%	-1.56	2.62
2.46E+09	71%	-1.49	2.61
2.47E+09	69%	-1.62	2.60
2.48E+09	68%	-1.70	2.40
2.49E+09	70%	-1.53	2.15
2.5E+09	71%	-1.46	2.27
5.15E+09	62%	-2.08	3.19
5.2E+09	58%	-2.34	2.95
5.25E+09	58%	-2.34	2.59
5.3E+09	59%	-2.27	3.30
5.35E+09	57%	-2.41	3.72
5.4E+09	58%	-2.38	3.38
5.45E+09	60%	-2.22	3.16
5.5E+09	58%	-2.35	3.07
5.55E+09	60%	-2.25	2.96
5.6E+09	60%	-2.22	3.40
5.65E+09	58%	-2.34	3.54
5.7E+09	59%	-2.30	3.98
5.75E+09	61%	-2.13	3.98
5.8E+09	59%	-2.26	4.04
5.85E+09	59%	-2.33	3.98



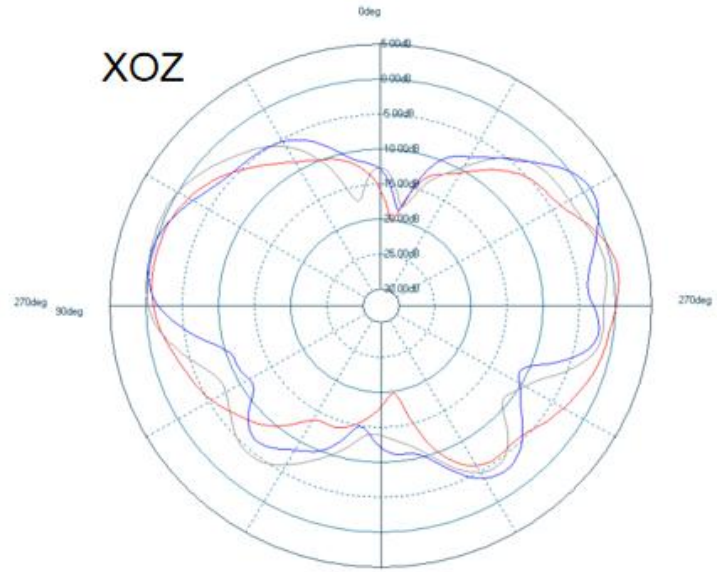
3-3 2D/3D Radiation Pattern Results



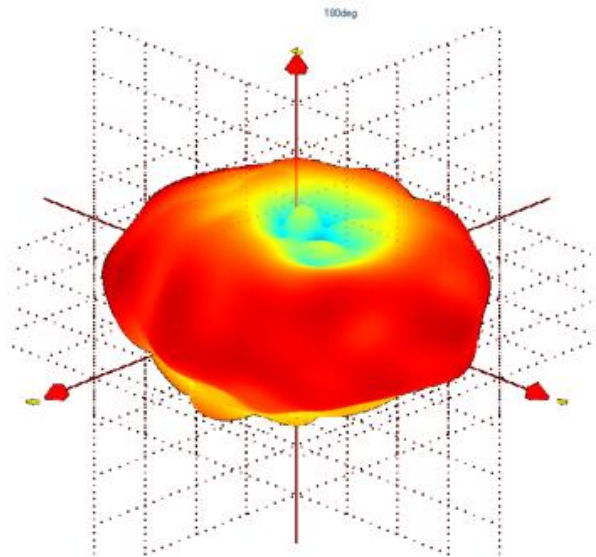
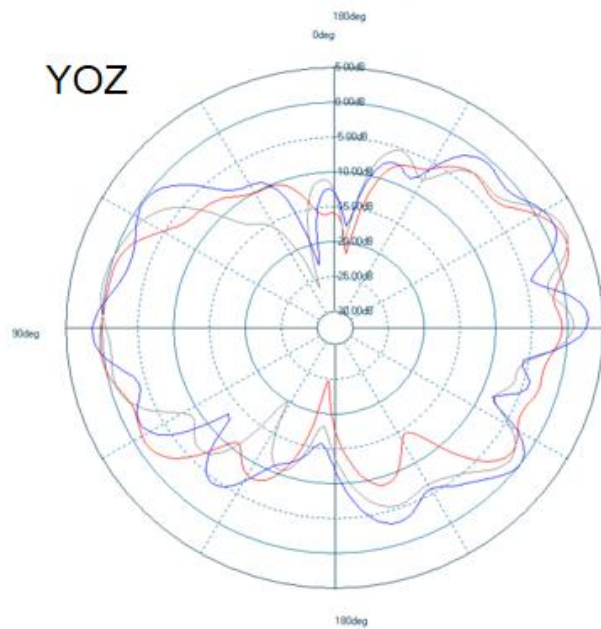
5G
XOY



XOZ



YOZ



3-4 Environment treatment
N/A



3. Environment Characteristic

NO.	ITEM	TEST CONDITION	SPECIFICATION
4-1	High Temperature/Humidity Storage Test(non operating)	1.Temperature: $+80 \pm 2^{\circ}\text{C}$ 2.Humidity: 90~95%RH 3.Time: 48hrs	No material deformation is allowed.
4-2	Low Temperature/Humidity Storage Test(non operating)	1.Temperature: $-30 \pm 2^{\circ}\text{C}$ 2.Humidity: 0%RH 3.Time:48hrs	The VSWR, Gain, Radiation Pattern must be met specifications after these test.

