

ANTENNA SPECIFICATION

ApplicationDate,MAR,21,2022

Editor:

Rev: R:A3

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Manufacturer:Hui Zhou Gaoshengda Technology Co.,LTD

Address:No.6 Qiaoguang Road, Chenjiang Street, Zhongkai High-tech Zone,
Huizhou City, Guangdong Province, China.

model: DT3HR1601WIFI

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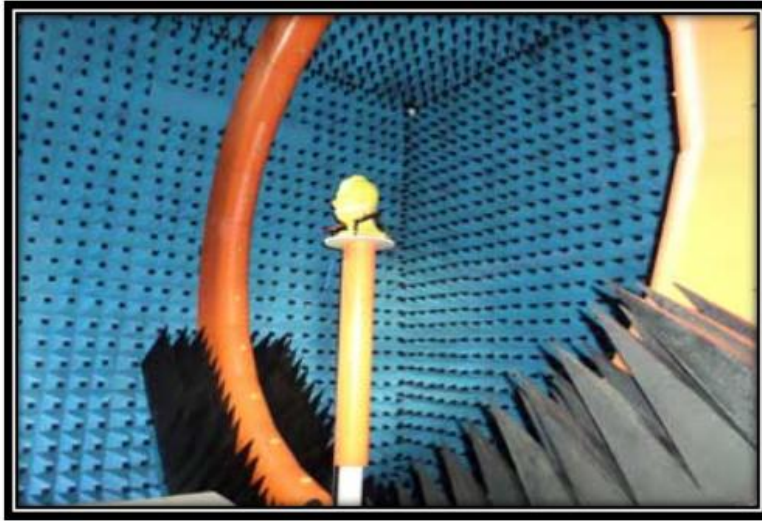
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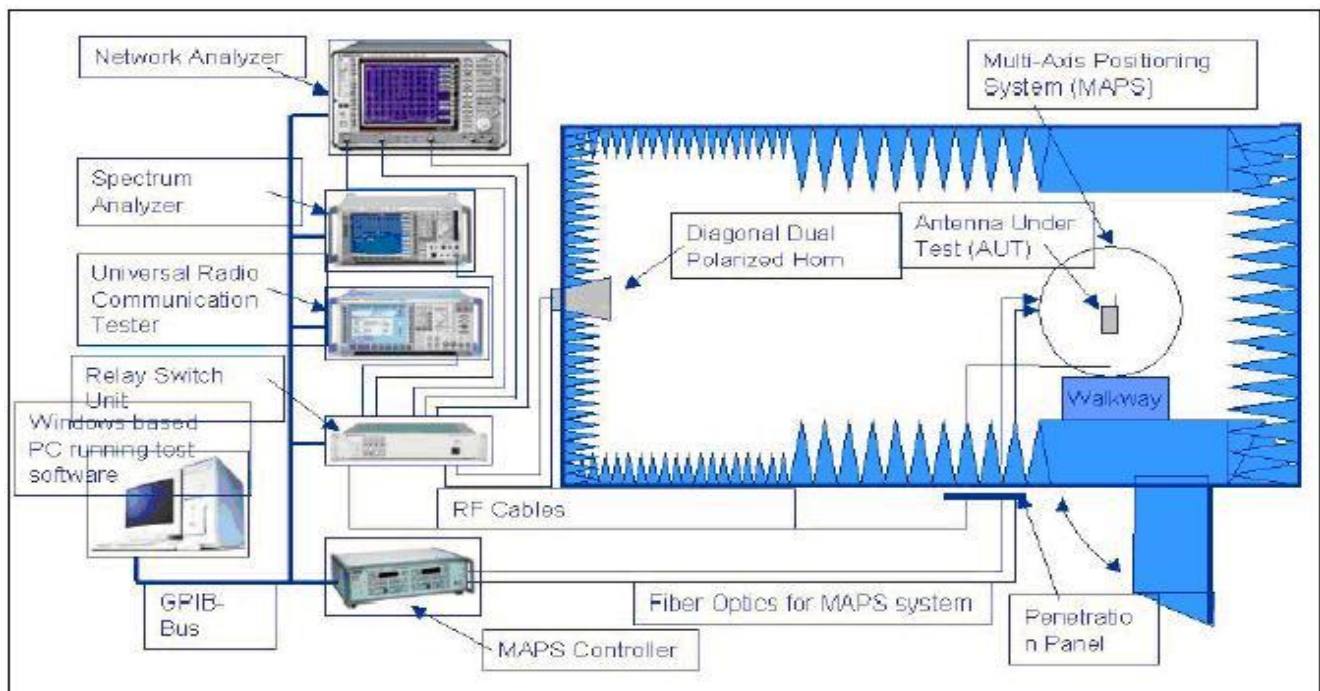
1. Test equipment



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.



2. Antenna test data

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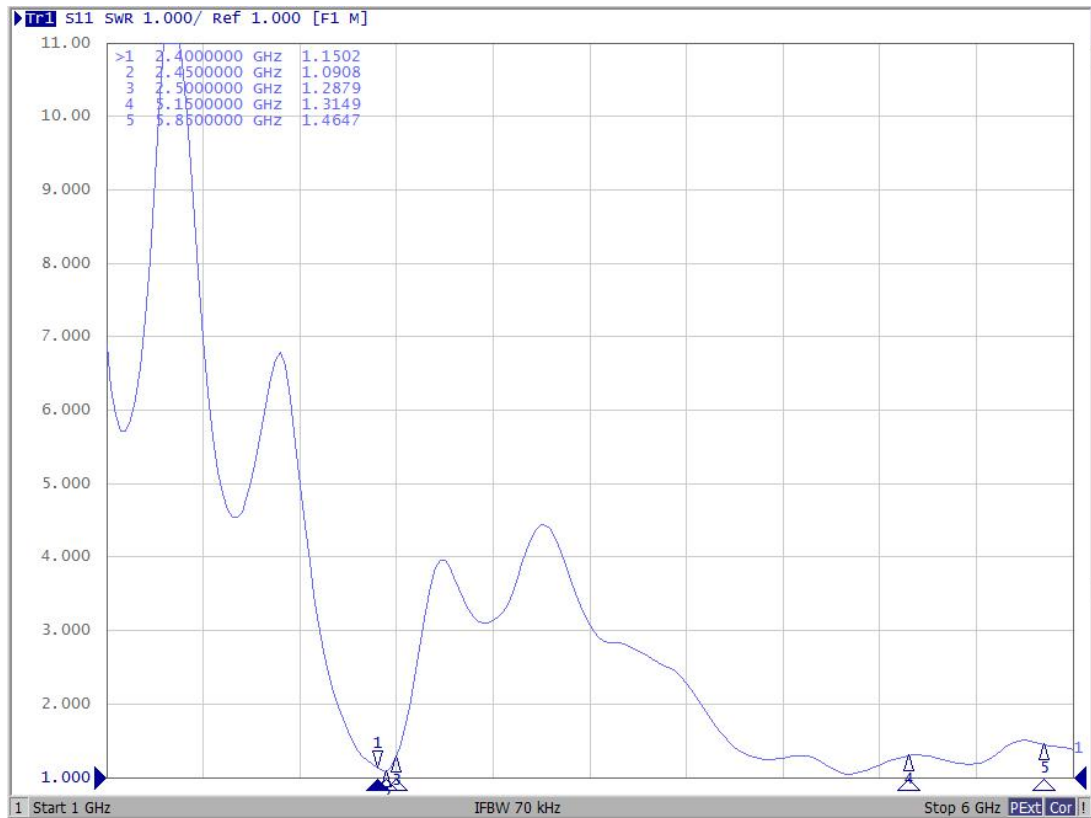
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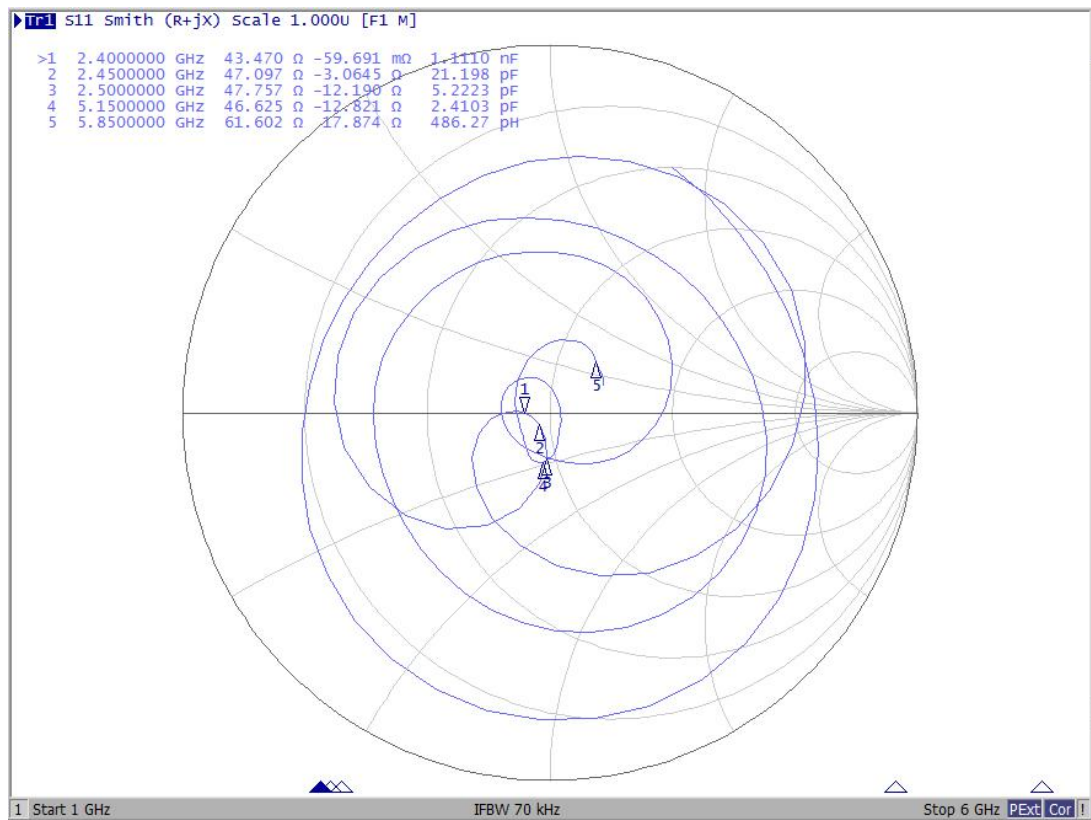
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2-1 VSWR



2-2 Smith Chart



2-3 Matching circuit

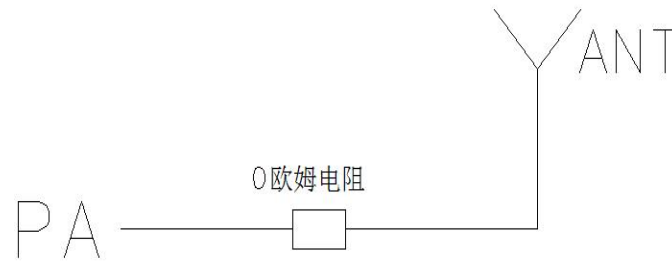
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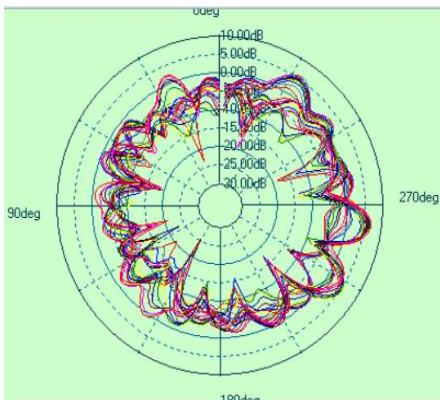
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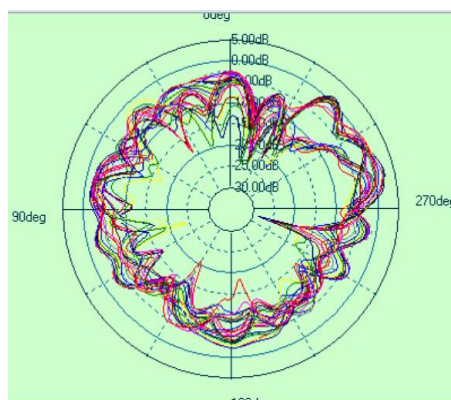
2-4 No-source test data

Frequency (MHz)	2400	2450	2500	5150	5850
Average Gain Efficiency (dB)	1.42 (44%)	1.72 (48%)	1.65 (45%)	2.34 (61%)	2.57 (66%)

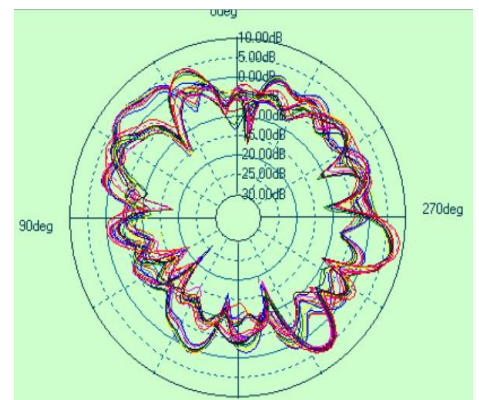
2-5 Directional drawing of horizontal plane of



Theta 90deg



Phi 0deg



Phi 90deg

3. Mechanical Specification

3-1 Mechanical Configuration(WIFI2.4G/5.8G)

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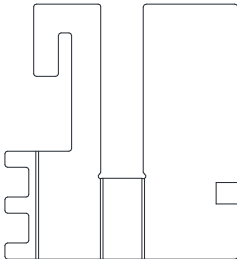
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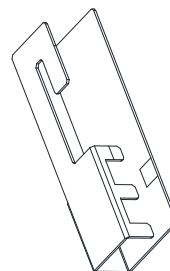
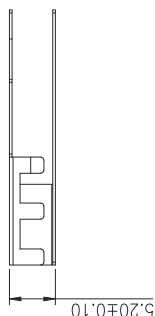
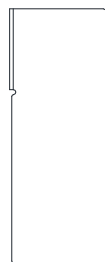
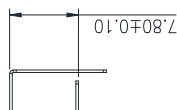
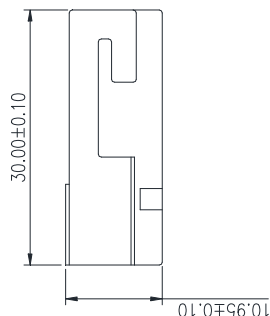
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版本	说明	审核	日期	批准	日期



展开图



立体图

备注:

1. 角度尺寸模具设计时依图纸尺寸作参照, 样品及量产实配即可;
2. 打“*”为严格控制尺寸 (IQC必测等级A);
3. 尺码说明 (采用宋体, 要求字迹清晰, 弹片无变形);
4. 产品不能有油污、毛刺、利边、缺料、变形、压印过深等不良;
5. 需通过48小时盐雾测试;
6. 包装时需用吸塑盒摆放整齐, 运输过程中产品不能挤压碰撞等;
7. 未经过ZTX公司确认, 材料不能随意更改;

环保要求:

RoHS (PPM)		未注明公差		制图	邱一麟	日期:	2017-07-04	单位	mm	版本	A1	比例	1:1	物料编号	1.01.00350
MATTER															
Cd	≤100	5 UND	±0.08	射洞	李方森	日期:	2017-07-04	材料	SUS304 (2m, 30mm (镜宽))						
Pb	≤1000	5-10	±0.10	审核	/	日期:	/	工艺	/						
Hg	≤1000	10-35	±0.12												
Cr6+	≤1000	35-50	±0.15												
PBR	≤1000	50-100	±0.18												
PBRF	≤1000	500 OVER	±0.30	批准	龙秋霖	日期:	2017-07-04	纸版	A1					图框编号	ZTX-QR-RD-013

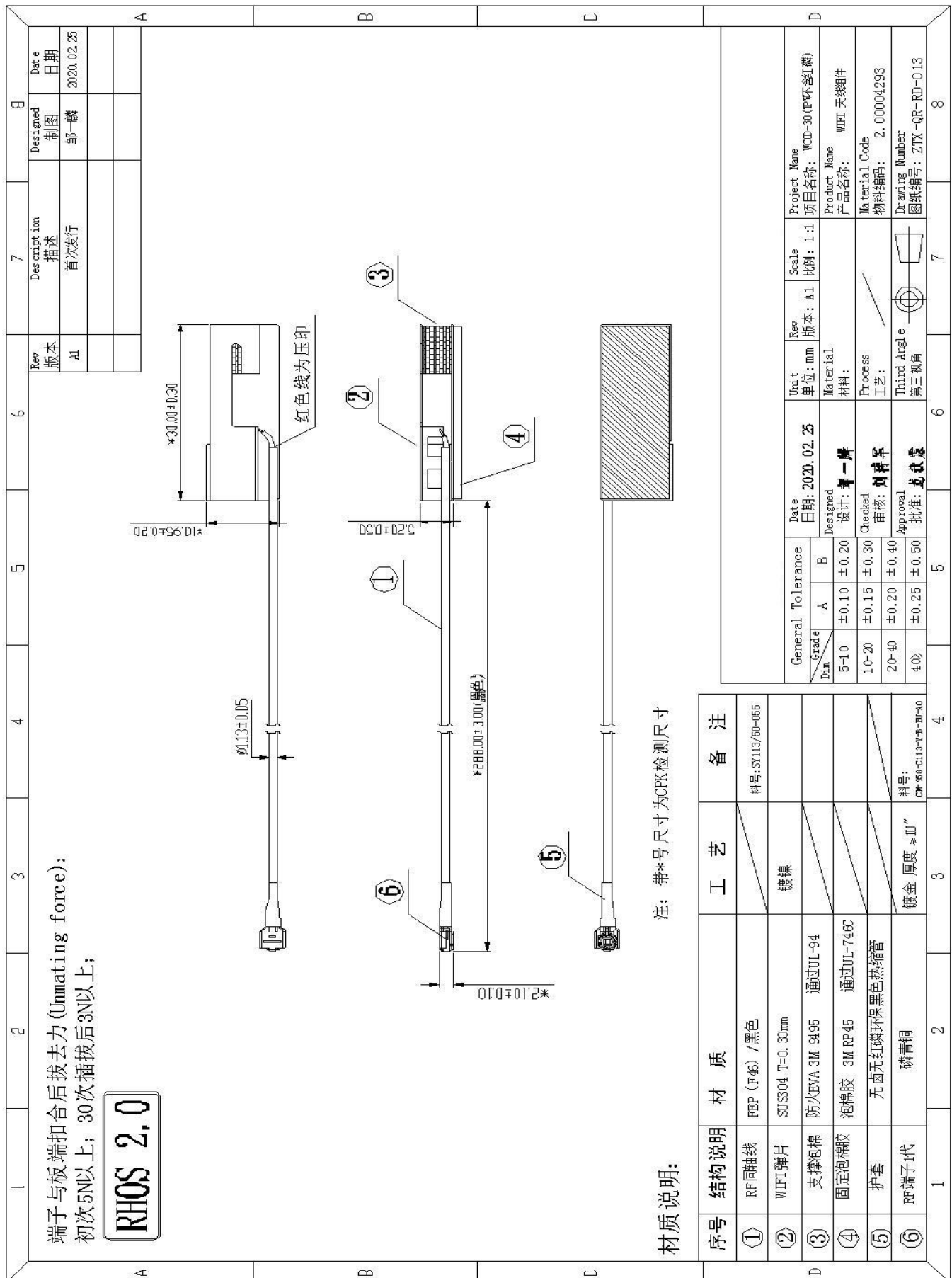
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4. Environment Characteristic

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NO.	ITEM	TEST CONDITION	SPECIFICATION
4-1	High Temperature/Humidity Storage Test(non operating)	1.Temperature: +80 ±2°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±2°C 2.Humidity: 0%RH 3.Time:48hrs	The VSWR, Gain, Radiation Pattern must be met specifications after these test.

5. BOM

关键件清单				
序号 NO	Material/Type name 原材料名称	数量	Raw Material Manufacturers 原材料制造商名称	使用状态
1	SUS304	1	HESHENG	在用
2	支撑泡棉EVA	1	JINHUI	在用
3	固定泡棉胶	1	3M	在用
4	端子-金属	1	ZIJIN	在用
	端子-镀金	1	YTOP	在用
	端子-塑胶	1	CM	在用
5	镀锡铜线	1	MINGXING	在用
	同轴线—FEP护套	1	DAIKIN	在用
	同轴线—FEP绝缘	1	DAIKIN	在用
	同轴线—色母黑色	1	DAIKIN	在用
6	热缩套管 (不含红磷)	1	WOER	在用

6.The packing way