

ANT Manufacturers: ANWEI communication Equipment Co.,Ltd
 Address:2nd Floor, East Block, Building 5, Yifenghua Innovation Industrial Park,
 Huaning Road, Dalang Street, Longhua District, Shenzhen City, Guangdong Province

Antenna specification

客户 Customer	Youmi	规格型号 Specs	PG2309GBA
安威料号 Part Number	G6 5G-ANT0-AW G6 5G-ANT1-AW G6 5G-ANT2-AW G6 5G-ANT3-AW G6 5G-ANT4-AW G6 5G-ANT5-AW G6 5G-ANT4/2.4GWIFI/GPS/ 5GWIFI-AW G6 5G-NFC/FM-AW	频段 Frequency Band	GSM850/GSM900/W5/W8/W19/B5/B8/B12/B13/B17/B18/B19/B20/ B26/28AB/B71/n5/n8/n20/n28F DCS1800/PCS1900/W1/W2/W4/B2/B7/B25/B39/B40/B66/n2/n25/ n40/n66 B1/B3/B4/B38/B41F n1/n3/n7/n38/n41 n77/n78 GPS L1+2.4G WIFI+5G WIFI
颜色 Color	black	版本 Edition	REV:A1
销售 Salesperson	Mr.Xie	设计 Design	WUXI
结构 Structure	QIN YUN LIN		
日期 Date	2023.11.13		
携手共进 共创未来 Join hands to create the future			

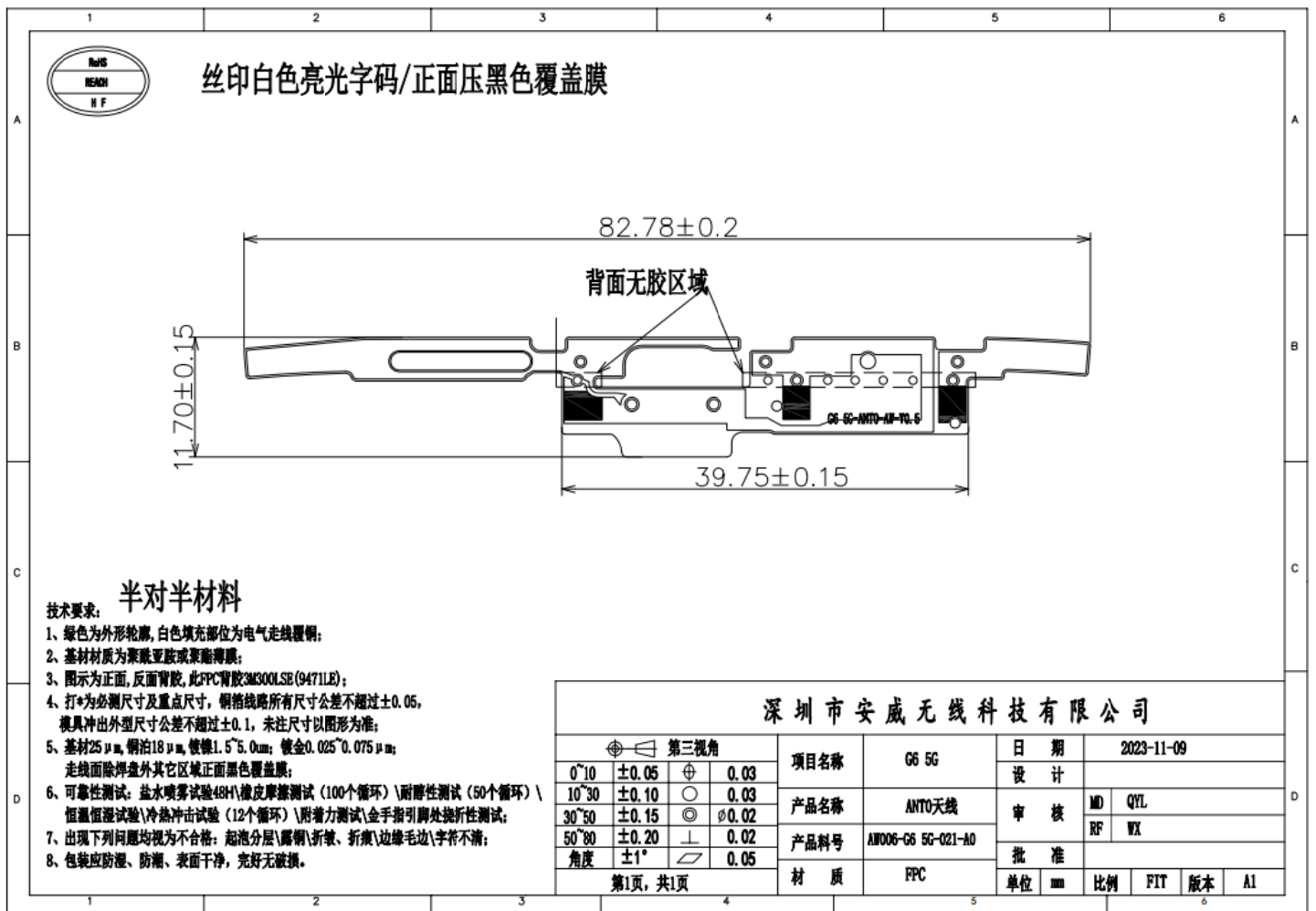
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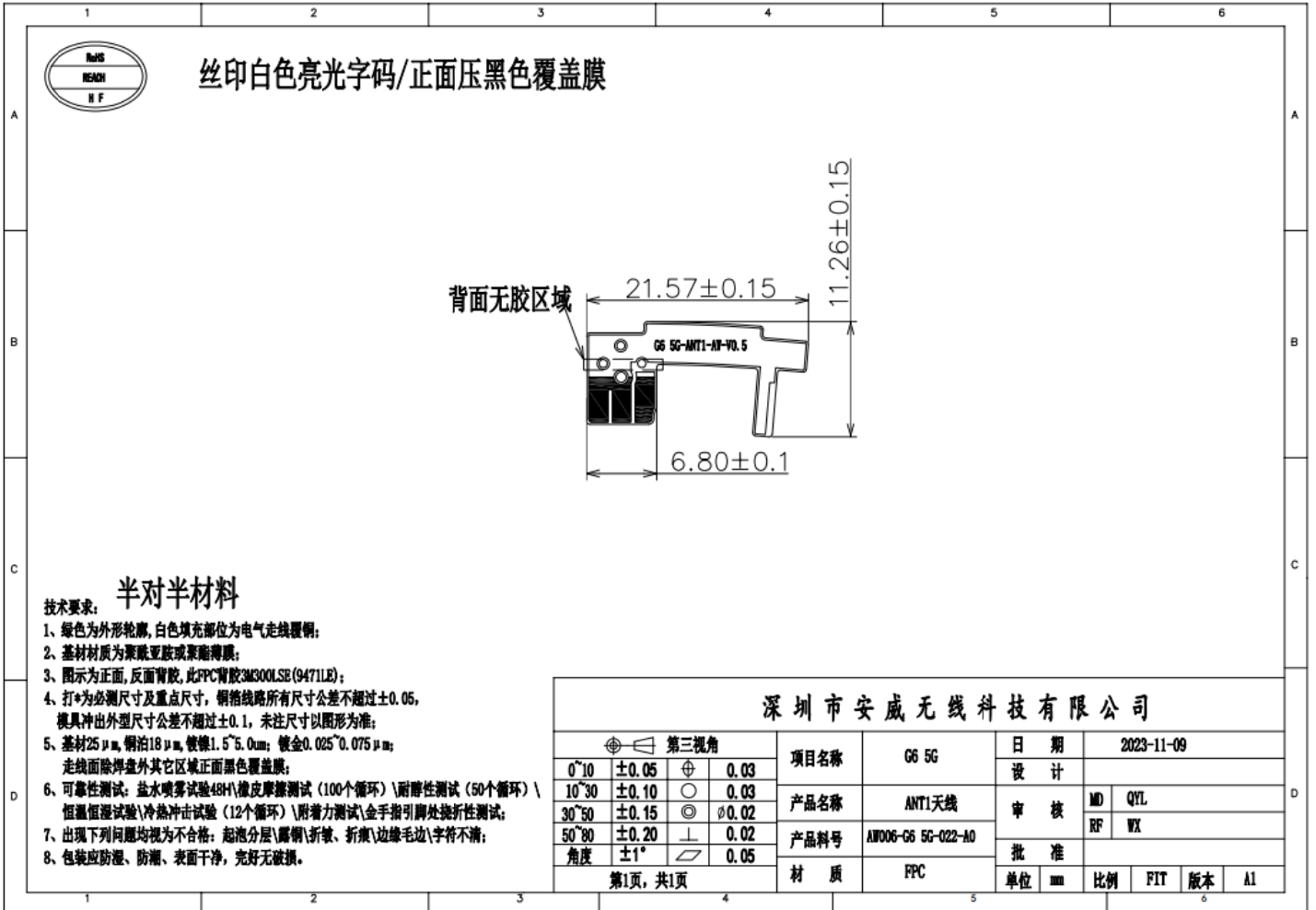
1. Product specifications

The report mainly provides parameter testing of PG2309GBA antenna performance. PG2309GBA antenna is a 5G antenna. (As shown below)

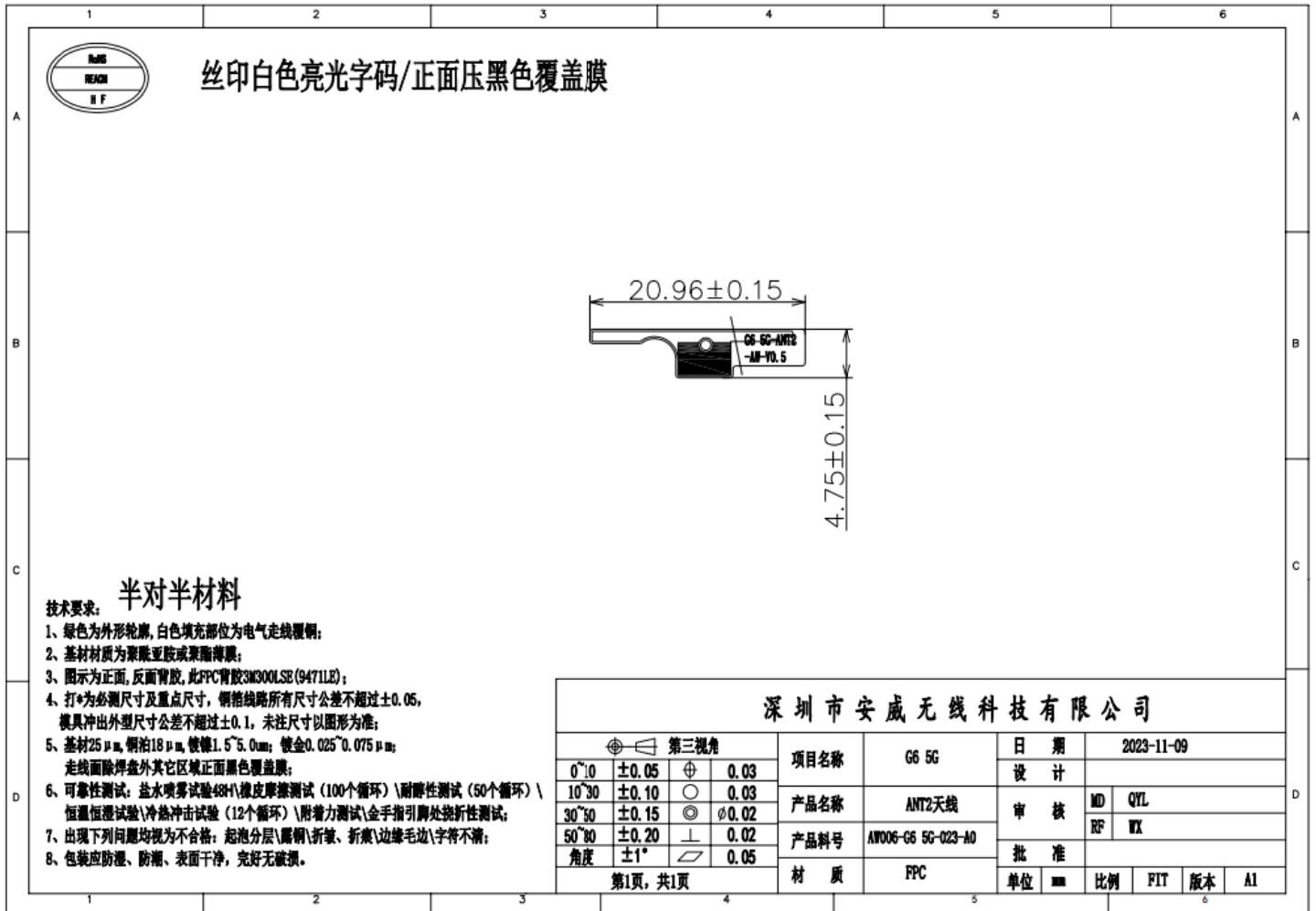
ANTO



ANT1



ANT2



ANT3

123456

H4S
RENH
H F

丝印白色亮光字码/正面压黑色覆盖膜

半对半材料

技术要求:


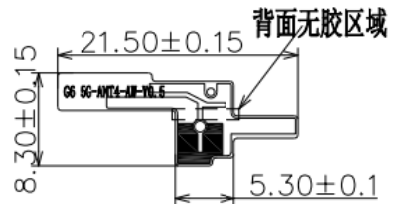
- 1、绿色为外形轮廓,白色填充部位为电气走线覆铜;
- 2、基材材质为聚酰亚胺或聚酰亚胺薄膜;
- 3、图示为正面,反面背胶,此FPC背胶3M300LSE(9471LE);
- 4、打*为必测尺寸及重点尺寸,铜箔线路所有尺寸公差不得超过±0.05,模具冲出外型尺寸公差不得超过±0.1,未注尺寸以图形为准;
- 5、基材25 μm,铜箔18 μm,镀镍1.5~5.0um; 镀金0.025~0.075 μm;走线面除焊盘外其它区域正面黑色覆盖膜;
- 6、可靠性测试:盐水喷雾试验48H\橡皮摩擦测试(100个循环)\耐醇性测试(50个循环)\恒温恒湿试验\冷热冲击试验(12个循环)\附着测试\金手指引脚处挠折性测试;
- 7、出现下列问题均视为不合格:起泡分层\露铜\折皱、折痕\边缘毛边\字符不清;
- 8、包装应防湿、防潮、表面干净,完好无破损。

深圳市安威无线科技有限公司

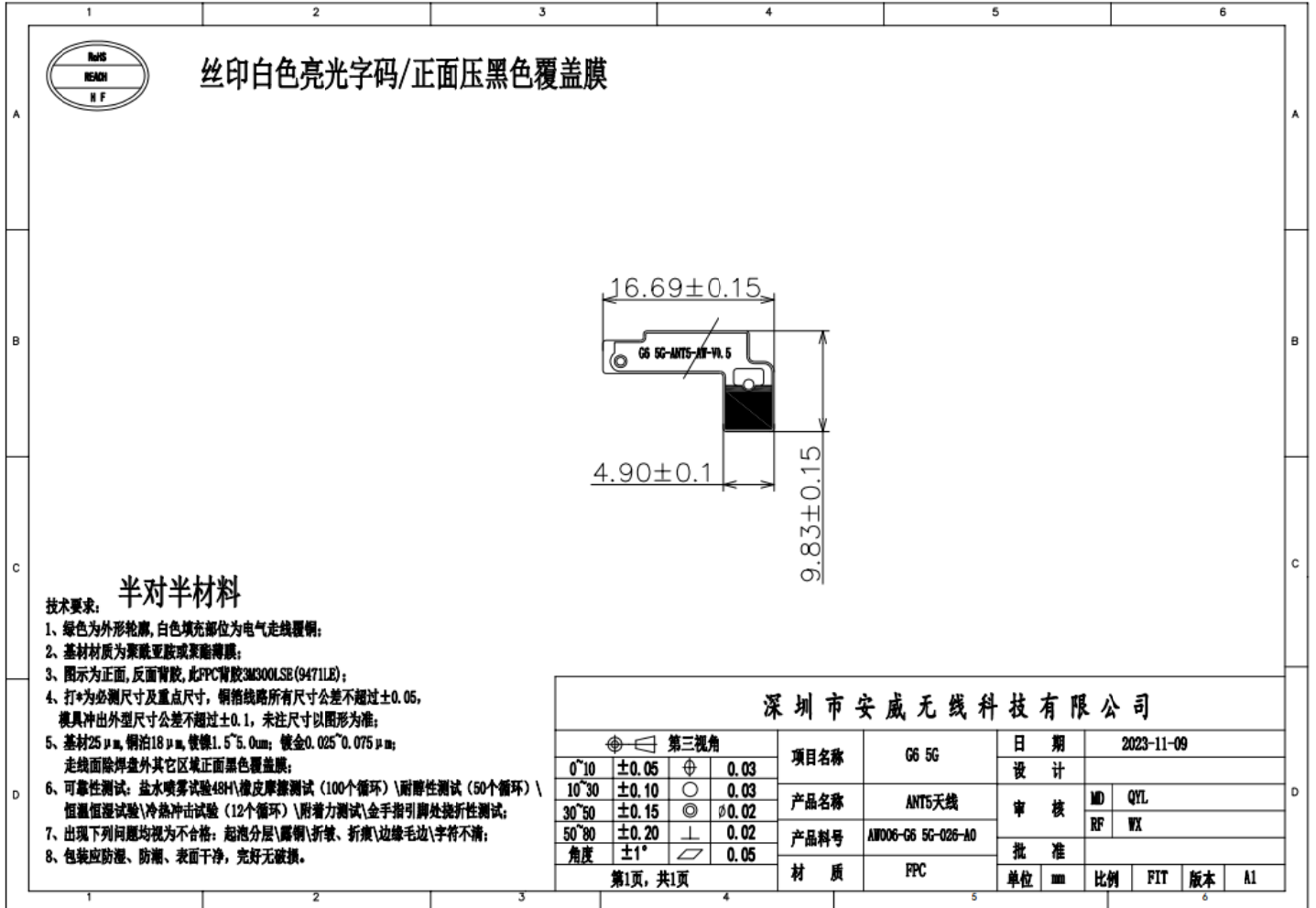
	第三视角			项目名称	G6 5G	日期	2023-11-09		
0°/0	±0.05	⊕	0.03	产品名称	ANT3天线	设计			
10°/30	±0.10	⊙	0.03				产品料号	AW006-G6 5G-024-A0	审核
30°/50	±0.15	○	∅0.02	材质	FPC	批准			
50°/90	±0.20	⊥	0.02						单位
角度	±1°	/	0.05			版本	A1		
第1页,共1页									

123456

ANT4

	<p>丝印白色亮光字码/正面压黑色覆盖膜</p>																																													
A																																														
B																																														
C																																														
D	<p>半对半材料</p> <p>技术要求:</p> <ol style="list-style-type: none"> 绿色为外形轮廓, 白色填充部位为电气走线覆铜; 基材材质为聚酰亚胺或聚酯薄膜; 图示为正面, 反面背胶, 此PPC背胶3M300LSE(9471LE); 打*为必测尺寸及重点尺寸, 铜箔线路所有尺寸公差不得超过±0.05, 模具冲出外型尺寸公差不得超过±0.1, 未注尺寸以图形为准; 基材25 μm, 铜箔18 μm, 镍镍1.5~5.0um; 镀金0.025~0.075 μm; 走线面除焊盘外其它区域正面黑色覆盖膜; 可靠性测试: 盐水喷雾试验48H\橡皮摩擦测试(100个循环)\耐醇性测试(50个循环)\恒温恒湿试验\冷热冲击试验(12个循环)\附着力测试\金手指引脚处挠折性测试; 出现下列问题均视为不合格: 起泡分层\露铜\折皱、折痕\边缘毛边\字符不清; 包装应防潮、防潮、表面干净, 完好无破损。 																																													
<p>深圳市安威无线科技有限公司</p>																																														
		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">第三视角</th> </tr> </thead> <tbody> <tr> <td>0°~10°</td> <td>±0.05</td> </tr> <tr> <td>10°~30°</td> <td>±0.10</td> </tr> <tr> <td>30°~50°</td> <td>±0.15</td> </tr> <tr> <td>50°~80°</td> <td>±0.20</td> </tr> <tr> <td>角度</td> <td>±1°</td> </tr> </tbody> </table>		第三视角		0°~10°	±0.05	10°~30°	±0.10	30°~50°	±0.15	50°~80°	±0.20	角度	±1°	<table border="1" style="width: 100%; border-collapse: collapse;"> <tbody> <tr> <td>项目名称</td> <td>G6 5G</td> <td>日期</td> <td colspan="2">2023-11-09</td> </tr> <tr> <td rowspan="2">产品名称</td> <td rowspan="2">ANT4天线</td> <td>设计</td> <td colspan="2"></td> </tr> <tr> <td>审核</td> <td>MD</td> <td>QYL</td> </tr> <tr> <td rowspan="2">产品料号</td> <td rowspan="2">AW006-G6 5G-025-A0</td> <td>批准</td> <td>RF</td> <td>WX</td> </tr> <tr> <td>批</td> <td colspan="2"></td> </tr> <tr> <td>材质</td> <td>PPC</td> <td>单位</td> <td>mm</td> <td>比例</td> <td>FIT</td> <td>版本</td> <td>A1</td> </tr> </tbody> </table>		项目名称	G6 5G	日期	2023-11-09		产品名称	ANT4天线	设计			审核	MD	QYL	产品料号	AW006-G6 5G-025-A0	批准	RF	WX	批			材质	PPC	单位	mm	比例	FIT	版本	A1
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ANT5



2.4GWIFI/GPS/5GWIFI

123456

ABCD

H16
 H16
 H F

丝印白色亮光字码/正面压黑色覆盖膜

技术要求: **半对半材料**

- 绿色为外形轮廓, 白色填充部位为电气走线覆铜;
- 基材材质为聚酰亚胺或聚酯薄膜;
- 图示为正面, 反面背胶, 此PPC背胶3M300LSE(9471LE);
- 打*为必测尺寸及重点尺寸, 铜箔线路所有尺寸公差不得超过±0.05, 模具冲出外型尺寸公差不得超过±0.1, 未注尺寸以图形为准;
- 基材25 μm, 铜箔18 μm, 镍镍1.5~5.0um; 镀金0.025~0.075 μm; 走线面除焊盘外其它区域正面黑色覆盖膜;
- 可靠性测试: 盐水喷雾试验48H\橡皮摩擦测试(100个循环)\耐醇性测试(50个循环)\恒温恒湿试验\冷热冲击试验(12个循环)\附着力测试\金手指引脚处挠折性测试;
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- 包装应防湿、防潮、表面干净, 完好无破损。

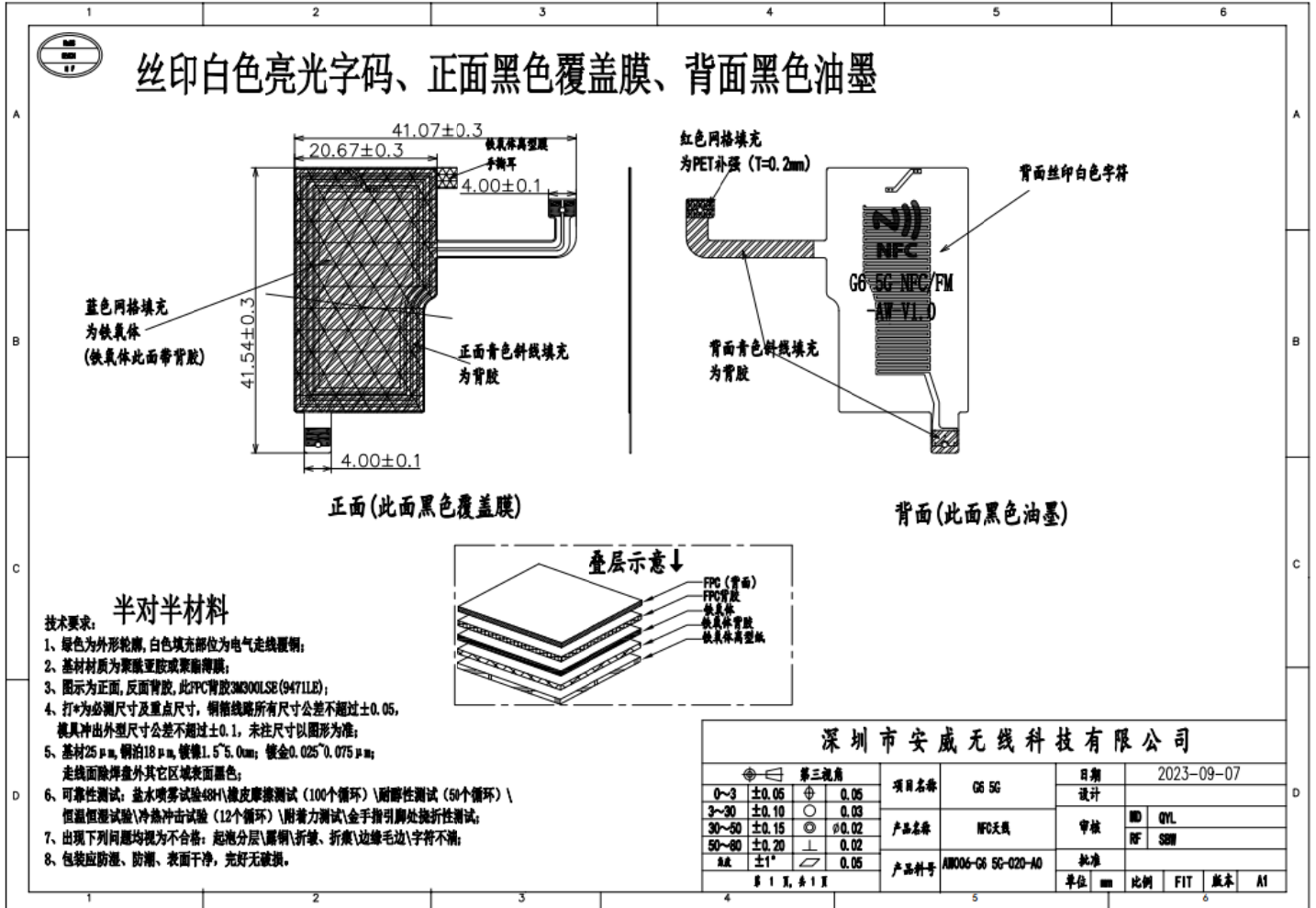
深圳市安威无线科技有限公司

项目名称	G6 5G	日期	2023-11-09		
产品名称	2.4GWIFI/GPS/5GWIFI天线	设计			
产品料号	AW006-G6 5G-027-A0	审核	MD	QYL	
材 质	PPC	批准	RF	WX	
		单位	mm	比例	FIT 版本 A1

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123456

NFC



2. Electrical performance

(1.) Specifications and standards

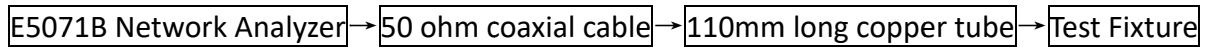
The working frequency band of PG2309GBA antenna is 699~960MHZ, 1710~2700MHZ, 3300MHZ-5000MHZ produces resonance in this frequency band

Antenna structure: FPC

3. Parameter testing

(1.) Test settings

The sequential connections of the VSWR test device are:



Handling of test fixtures:

Use a hard cable to lead out the SMA-J connector from the 50 ohm test point of the antenna on the mobile phone PCB, connect it to a copper tube covered with a choke, and then connect it to other devices in turn.

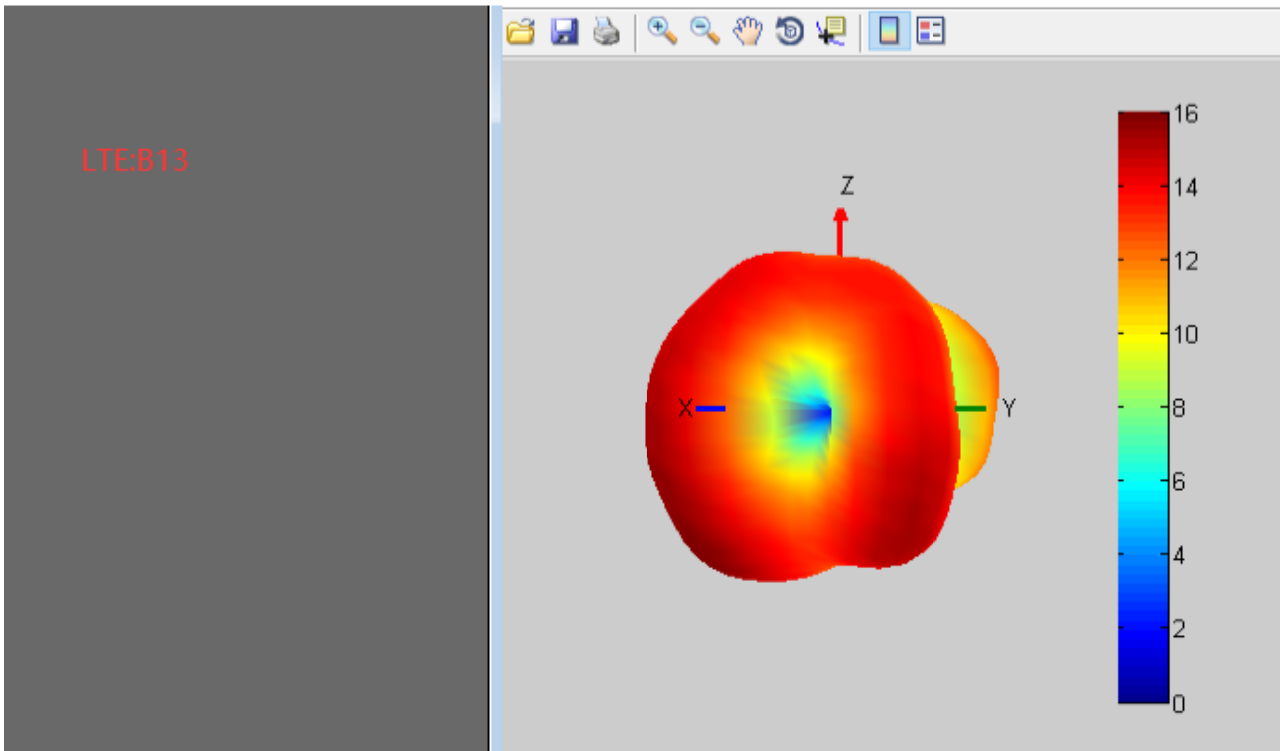
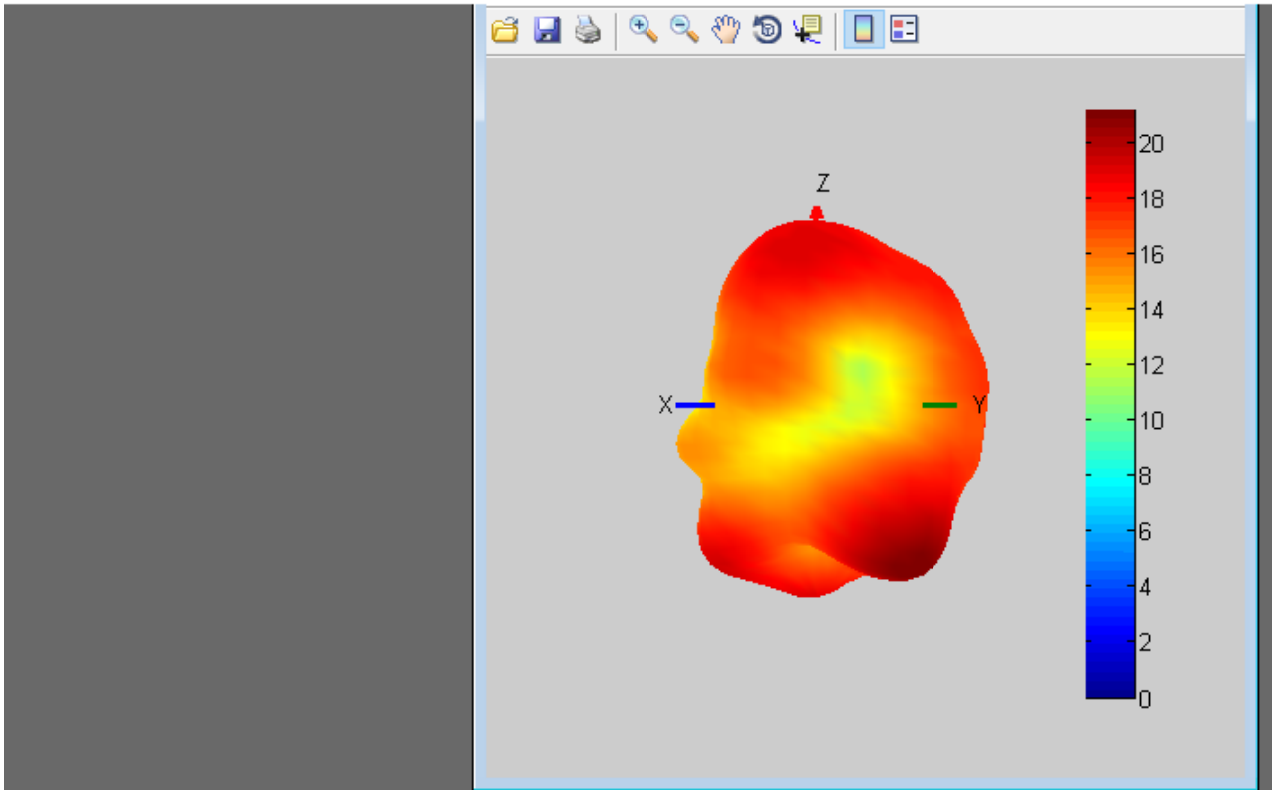
Main antenna passive parameters:

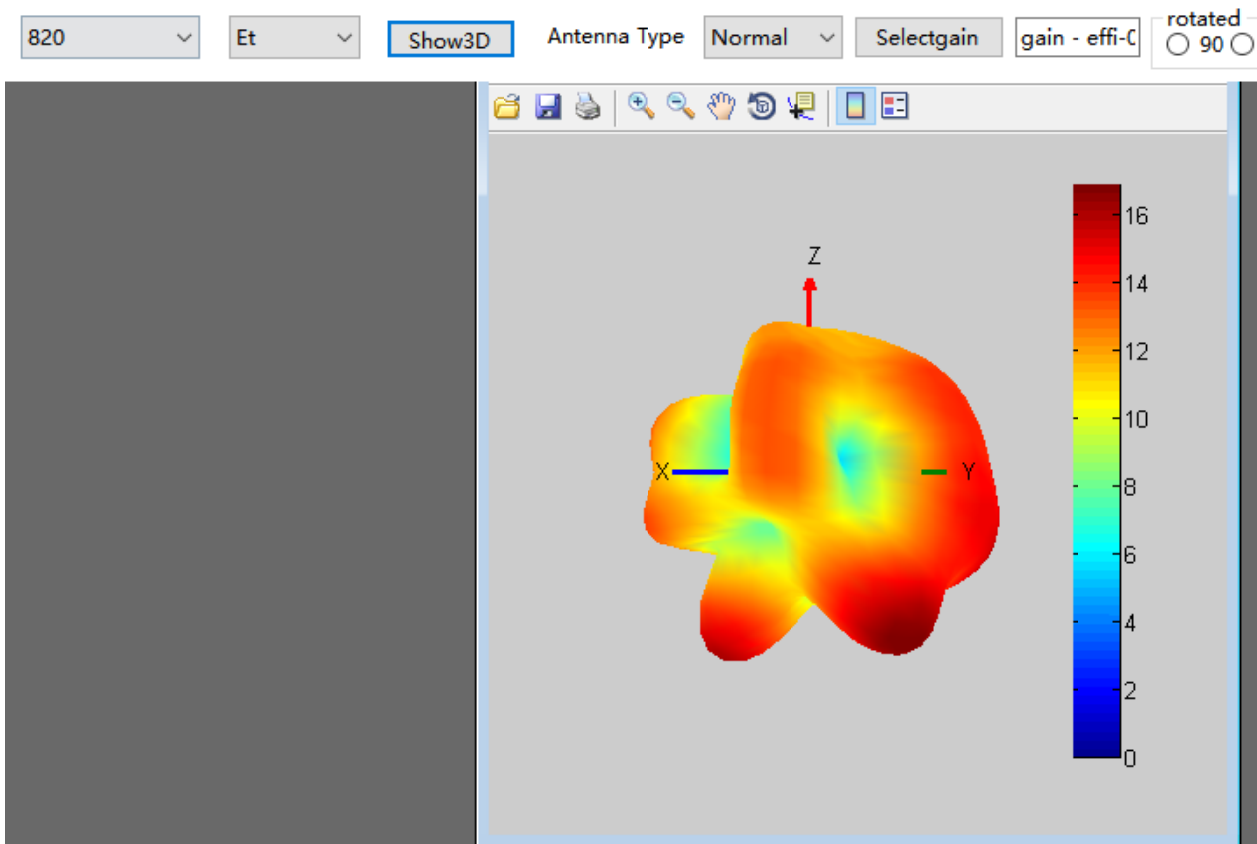
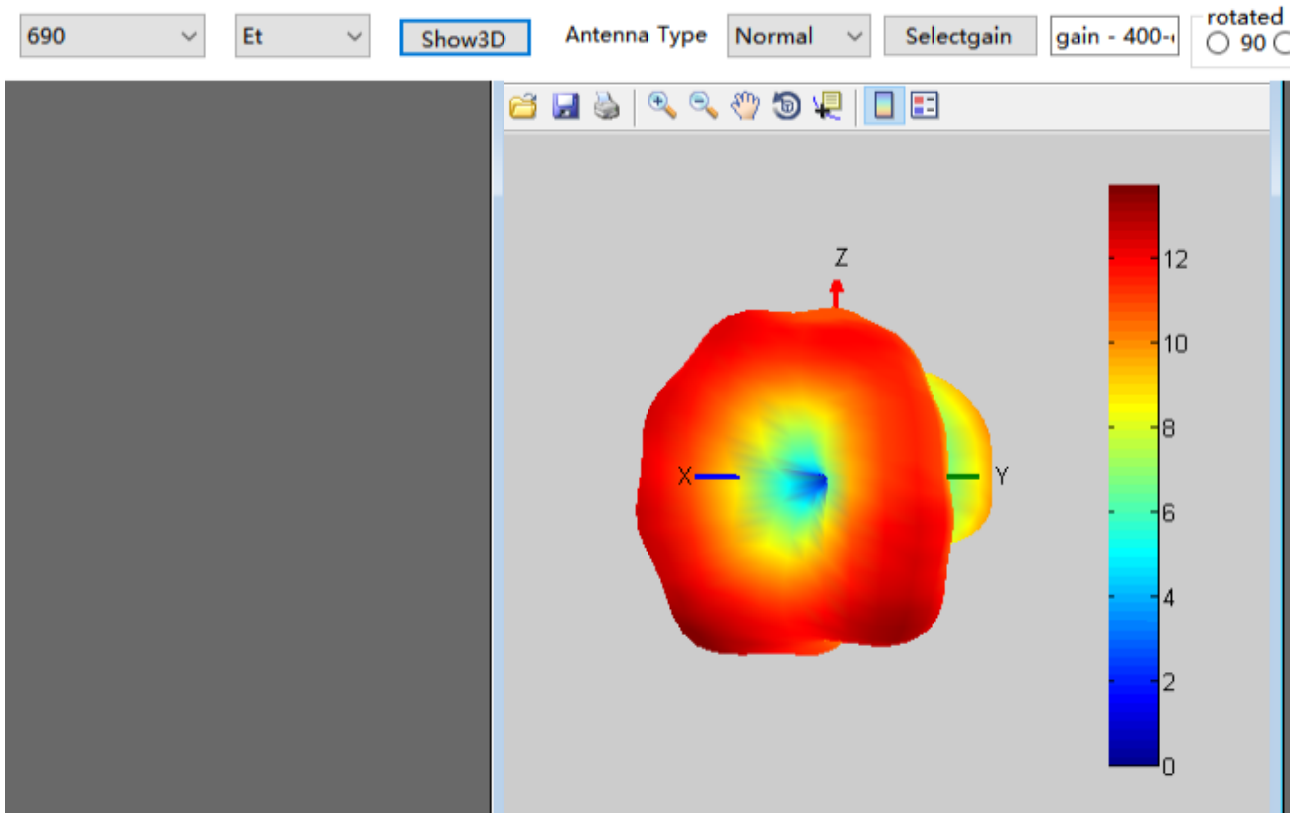
工作频段(Working frequency band): 699~960MHZ, 1710~2700MHZ

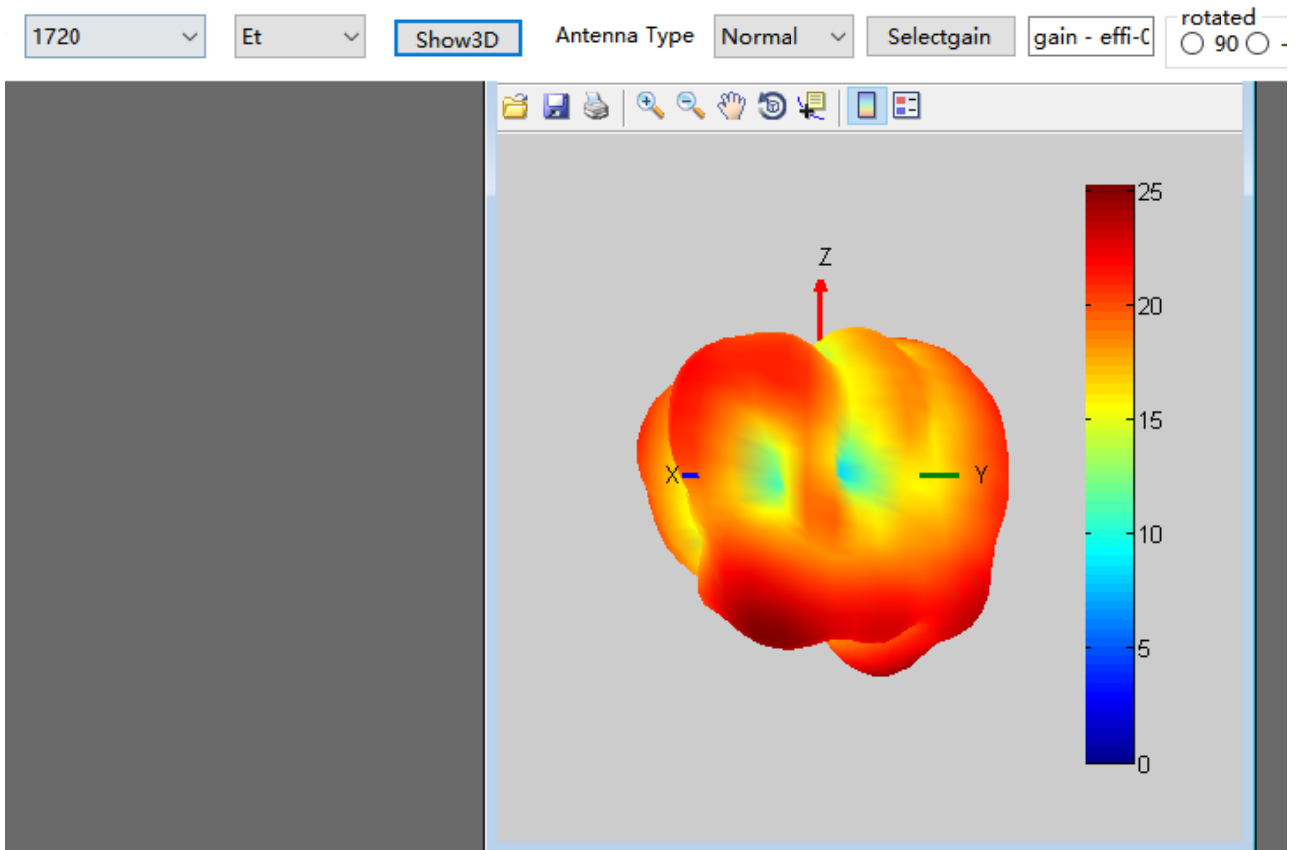
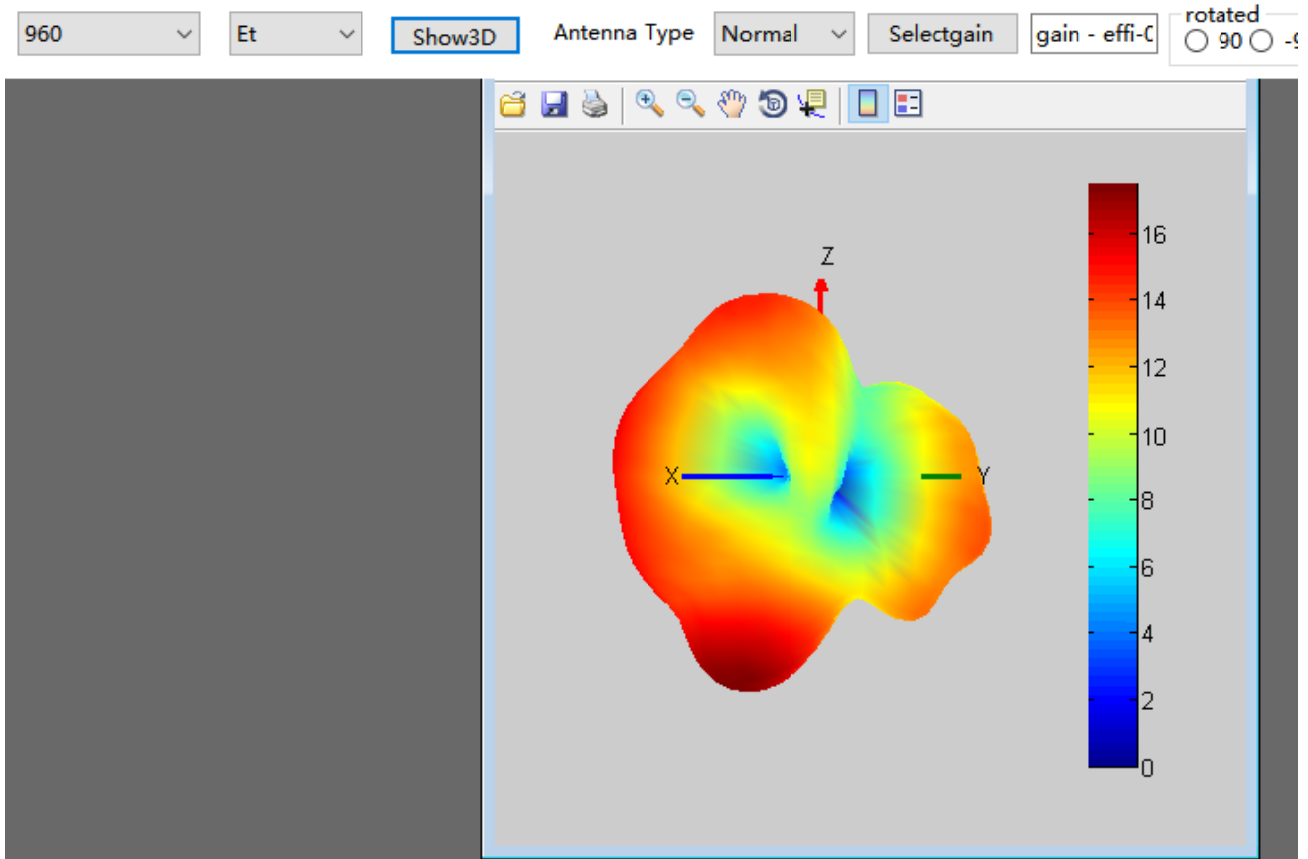
2G	2/3/5/8
3G	1/2/4/5/6/8/19 CDMA:BC0/BC10/BC1
4G	B1/2/3/4/5/7/8/12/13/17/18/19/20/25/26/28/66/71 34/38/39/40/41
5G	N1/2/3/5/7/8/20/25/28/38/40/41/66/77/78
BT/WIFI	2.4G+5G
GPS	1575.42MHz

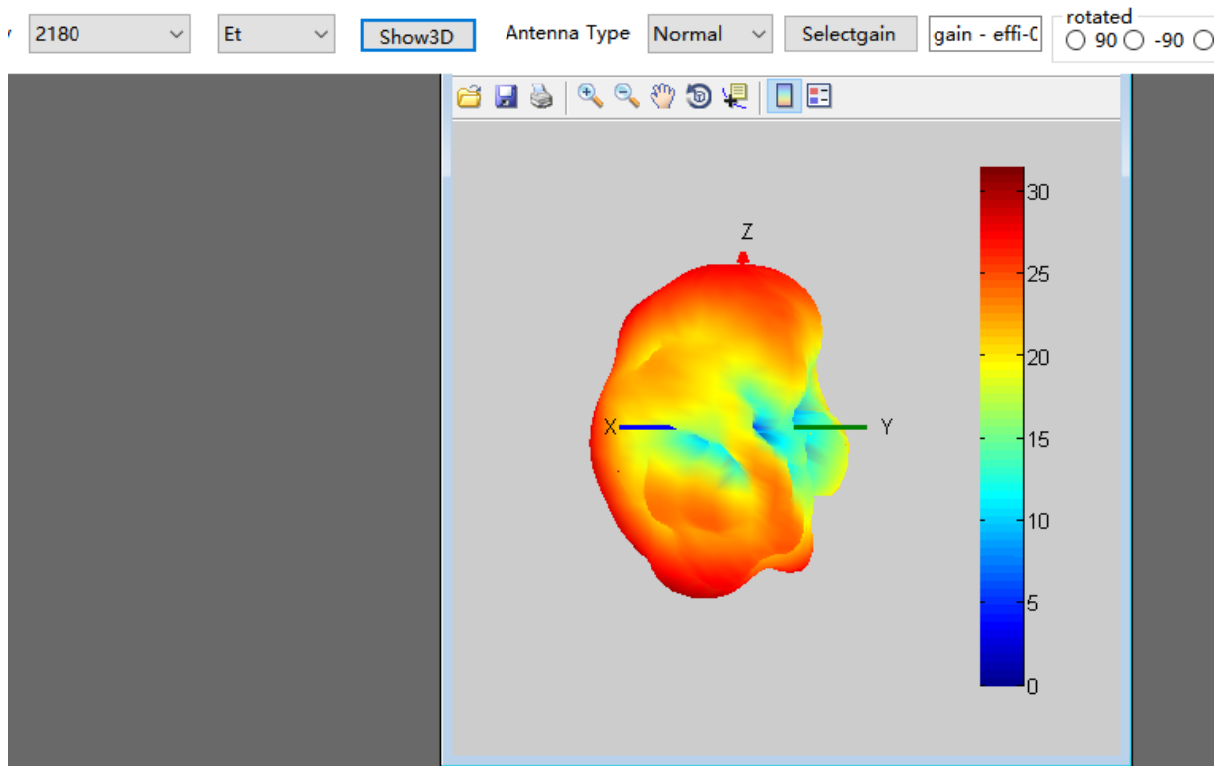
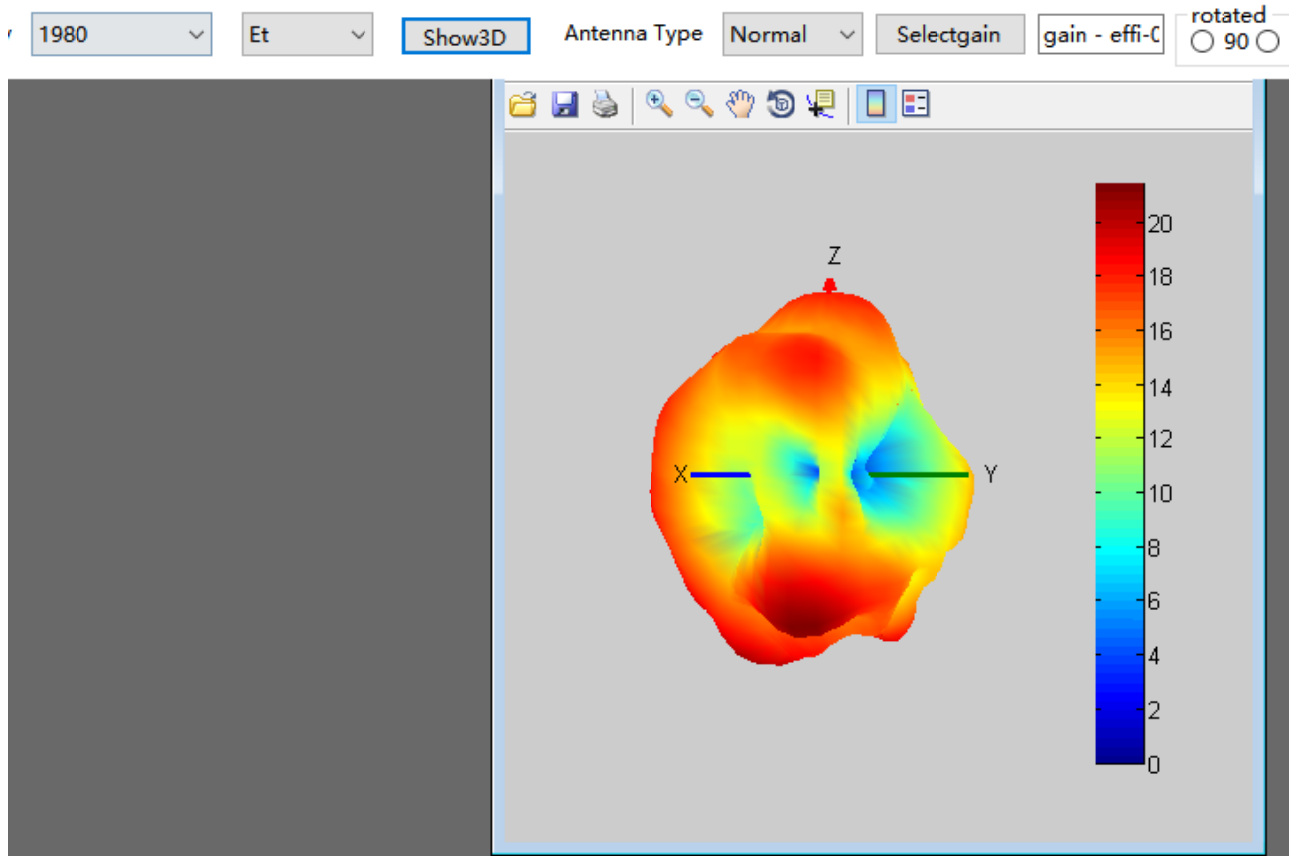
频段 Band	Gain 增益 (dBi)
LTE:B12/17/28 NR:N28	-4.55
LTE:B13	-3.69
LTE:B71	-5.03
CDMA:BC0/BC10 GSM850,WCDMA-B5/6/19,LTE-B5/18/19/20/26 NR:N5/N20	-4.02
GSM900,WCDMA-B8,LTE-B8 NR:N8	-3.85
DCS1800,WCDMA-B4 ,LTE-B3/4/66,NR:N3/66	1.2
PCS1900,WCDMA-B2,LTE-B39/25/2 NR:N2/25	1.15
CDMA:BC1 WCDMA-B1,LTE-B1/B34 NR:N1	0.68
LTE-B7/B38/B41, NR:N38/41/7	0.47
LTE-B40 NR:N40	1.46
NR:77/78	1.65
GPS	1.5
2.4G WIFI/BT	1.1
5G WIFI	0.55

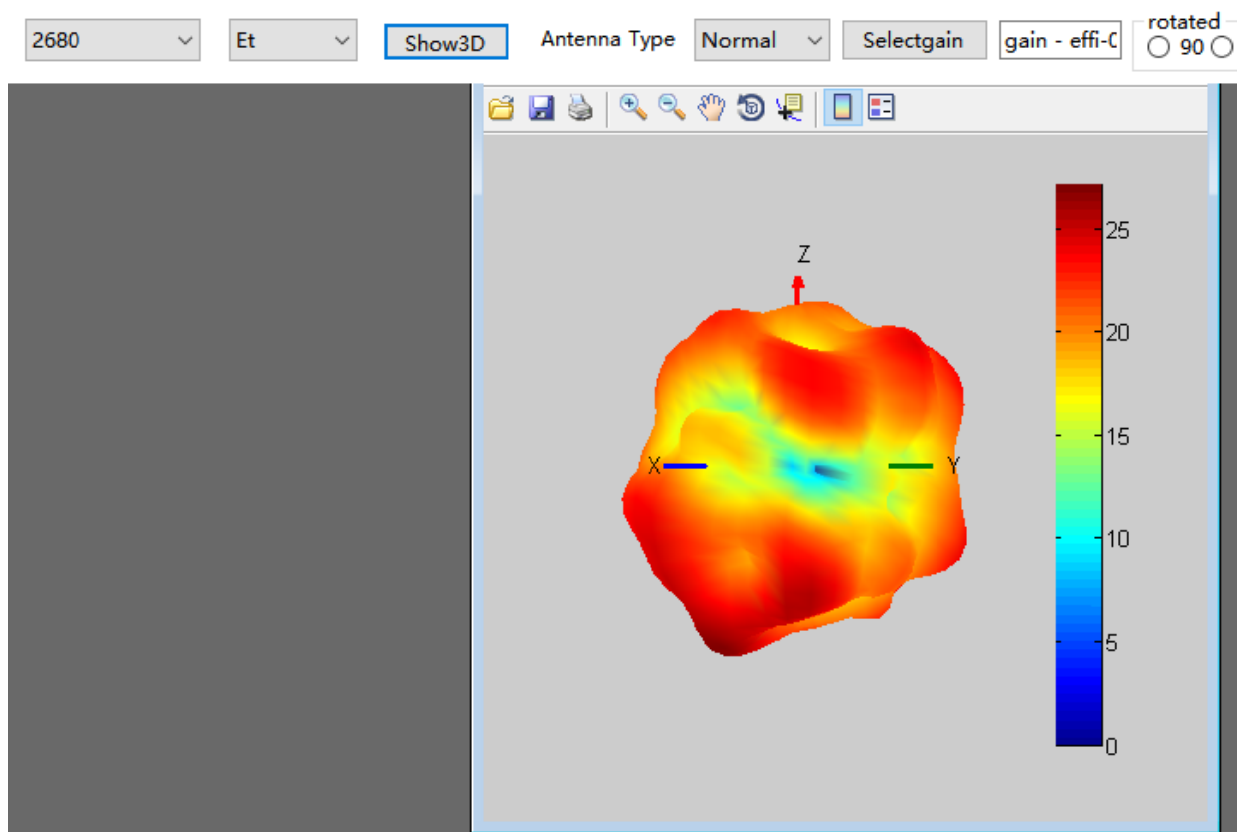
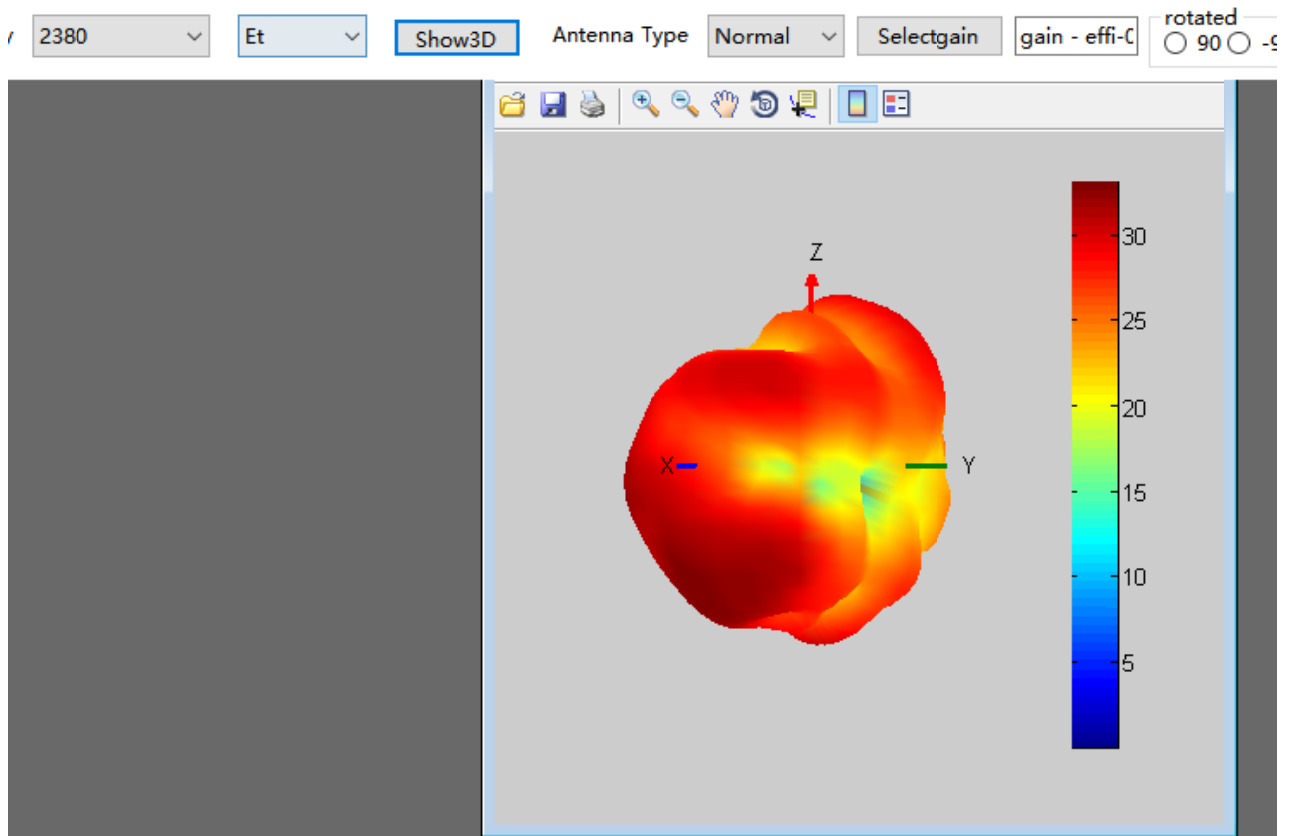
720 ▾ Et ▾ Show3D Antenna Type Normal ▾ Selectgain gain - effi-C rotated 90



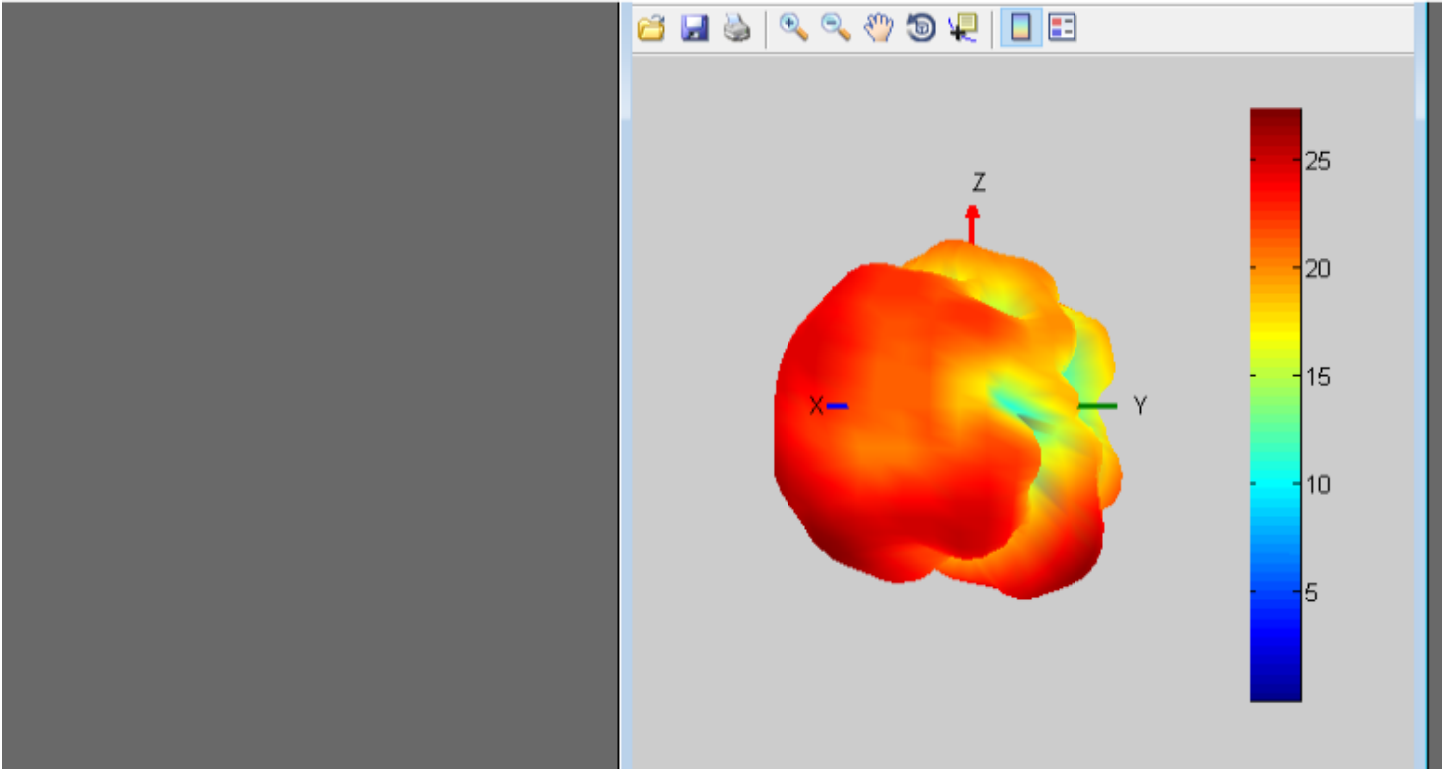






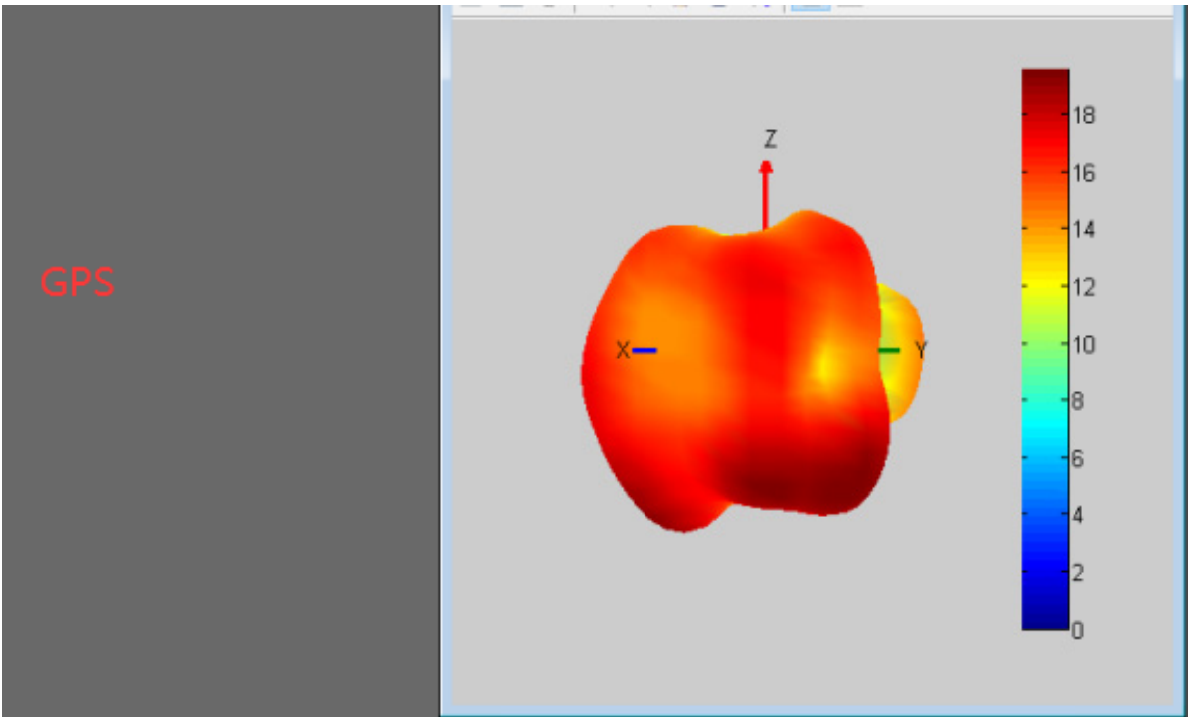


Frequency 3300 Et Show3D Antenna Type Normal Selectgain gain - effi-C rotated 90

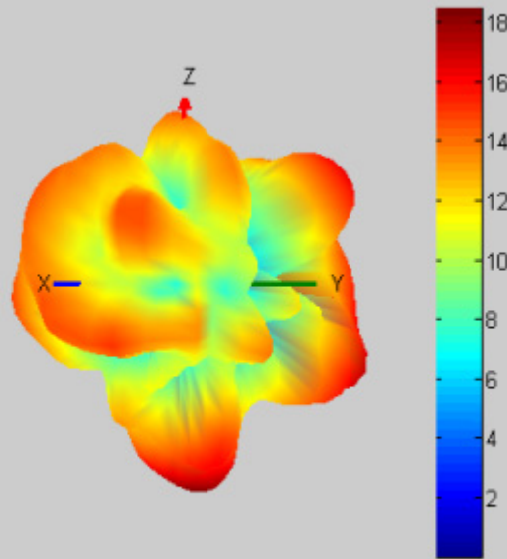


GPS/WIFI/BT Antenna passive parameters:

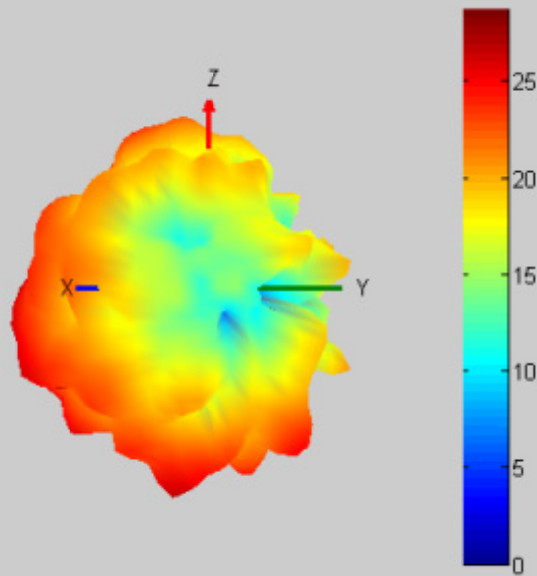
工作频段(Working frequency band): 1560~1580MHZ, 2400~2500MHZ,5180~8525MHZ



2.4WIFI



5G WIFI



Join Hands To Create The Future