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Antenna specifications

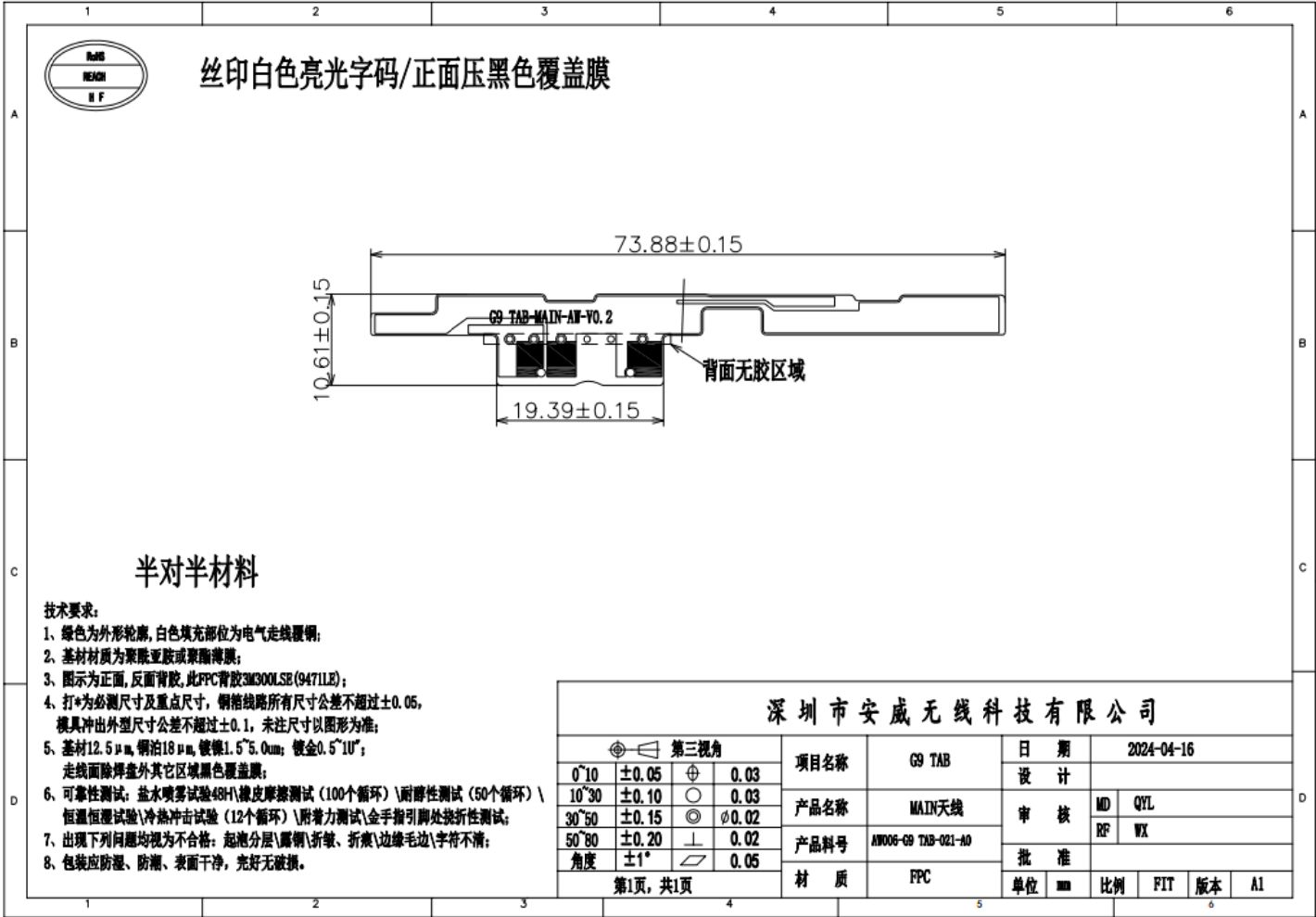
客户 Customer	Youmi	规格型号 Specs	G9 TAB	
安威料号 Part Number	G9 TAB-MAIN-AW G9 TAB-DIV-AW G9 TAB-2. 4GWIFI/GPS/5GWIFI-AW	频 段 Frequency Band	2G	GSM850/900/1800/1900
			3G	WCDMA-B1 /2/4/5/8
			4G	LTE-B1/2/3/4/5/7/8/12/13/17/18/19/20/25/26/28AB/66/34/38/39/40/41
			5G	N/A
			BT/WIFI	2. 4G/5GHZ
			GPS	1575. 42MHz
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	2024.5.27			
携手共进 共创未来 Join hands to create the future				

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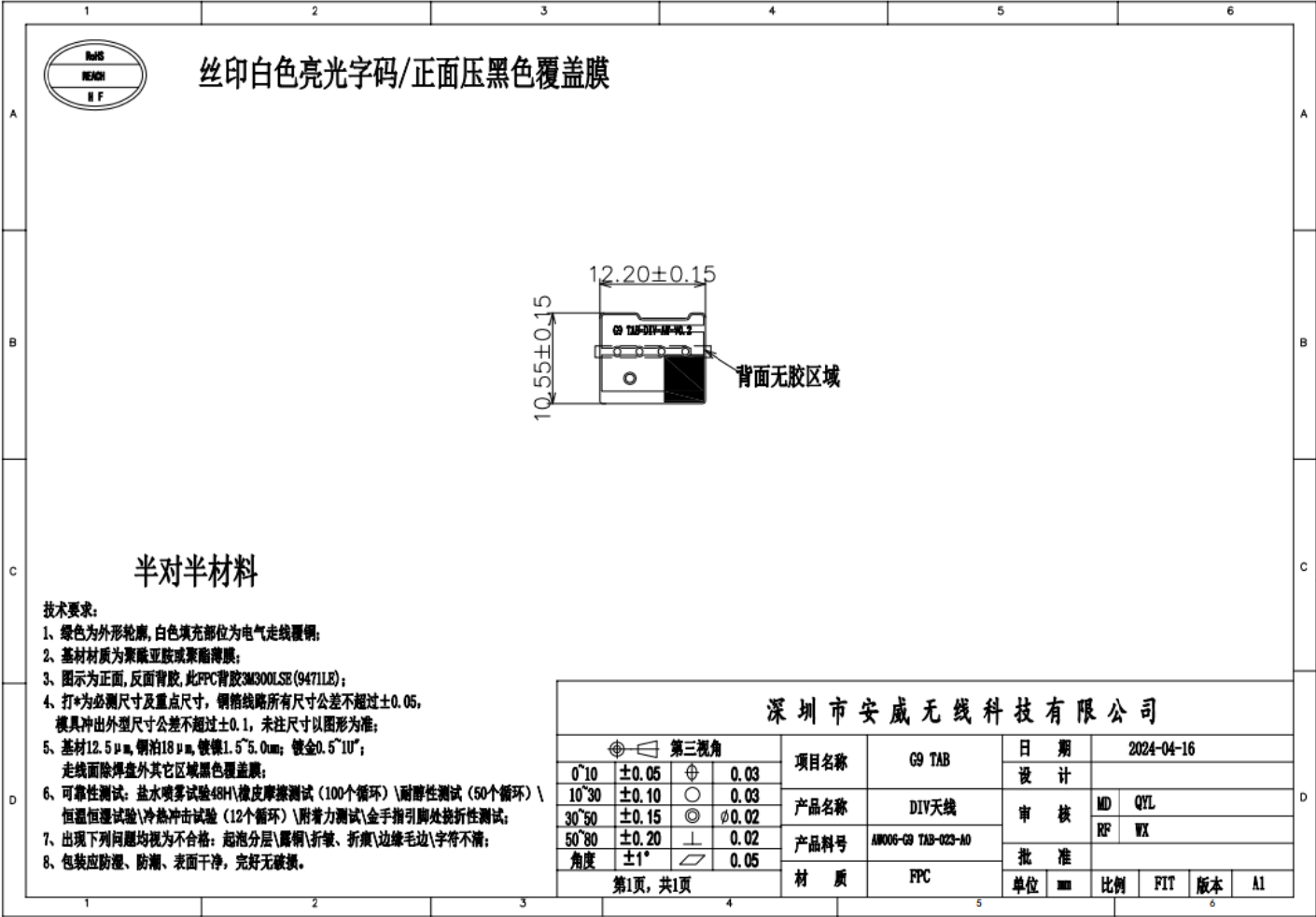
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Main ANT



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二、电器性能(Electrical performance)

1.规格标准(Specification standard)

The G9 TAB antenna works in the frequency band of 699~960MHZ and 1710~2700MHZ, and resonates in this frequency band.

Antenna structure: FPC

三、参数的测试(Parameter test)

1.测试的设置(Test settings)

The connections of the VSWR test setup in turn are:

E5071B Network Analyzer → 50 ohm coaxial Cable → 110mm long copper pipe → Test Fixture

Handling of test fixtures:

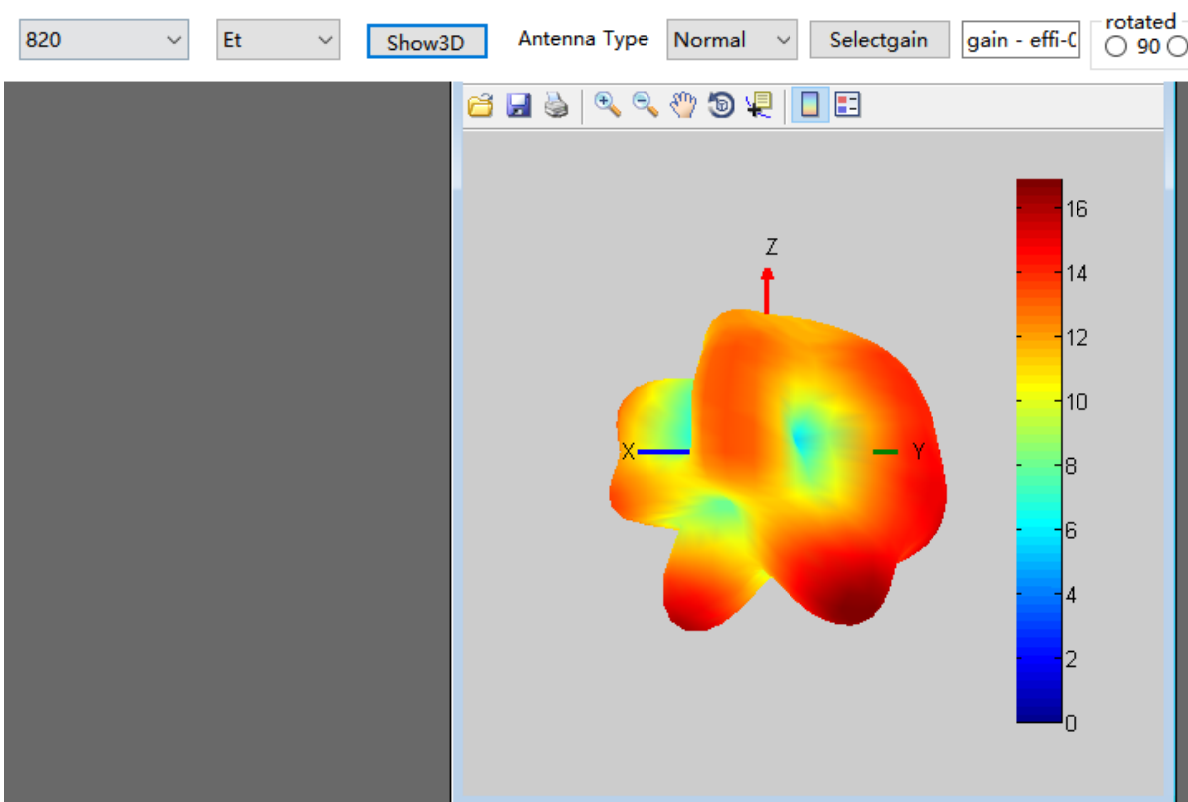
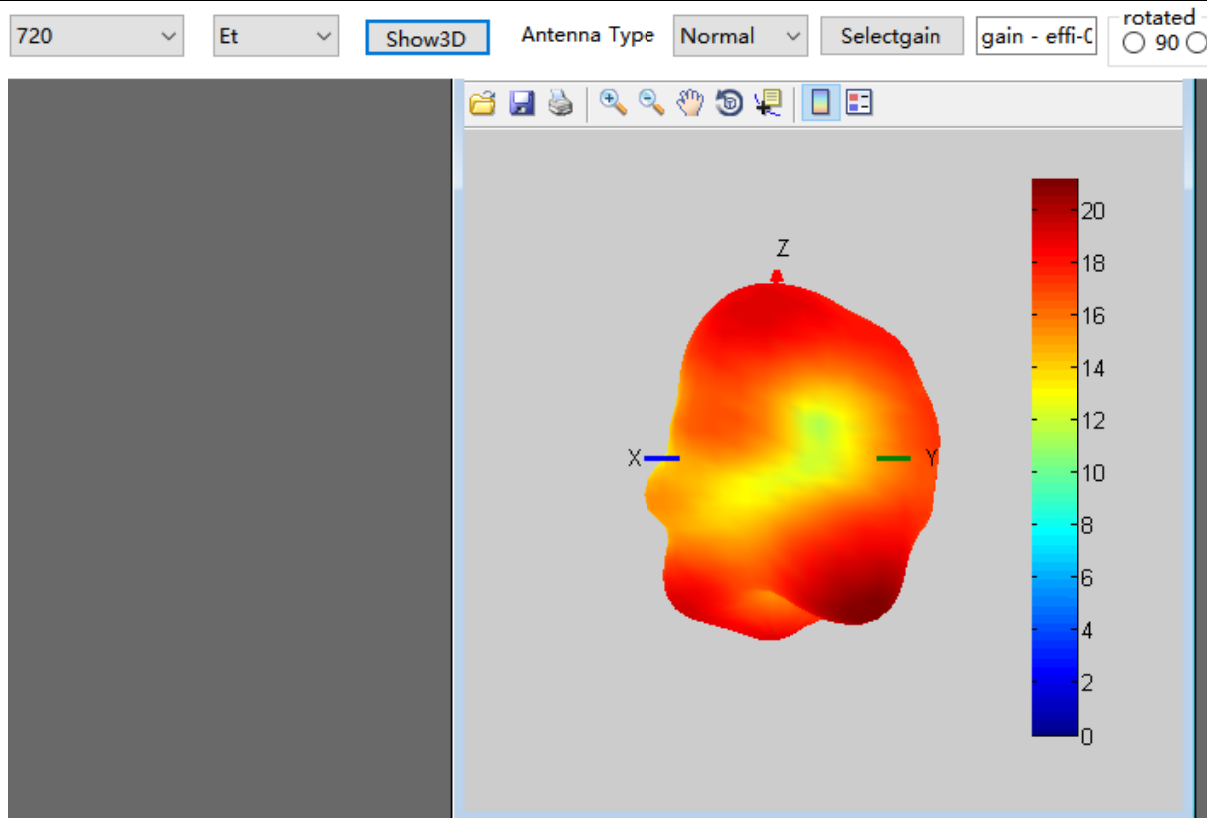
Use a hard cable to lead out the SMA-J connector from the 50 ohm test point of the antenna on the mobile phone PCB, connect it to the copper tube covered with the choke coil, and then connect to other devices in turn.

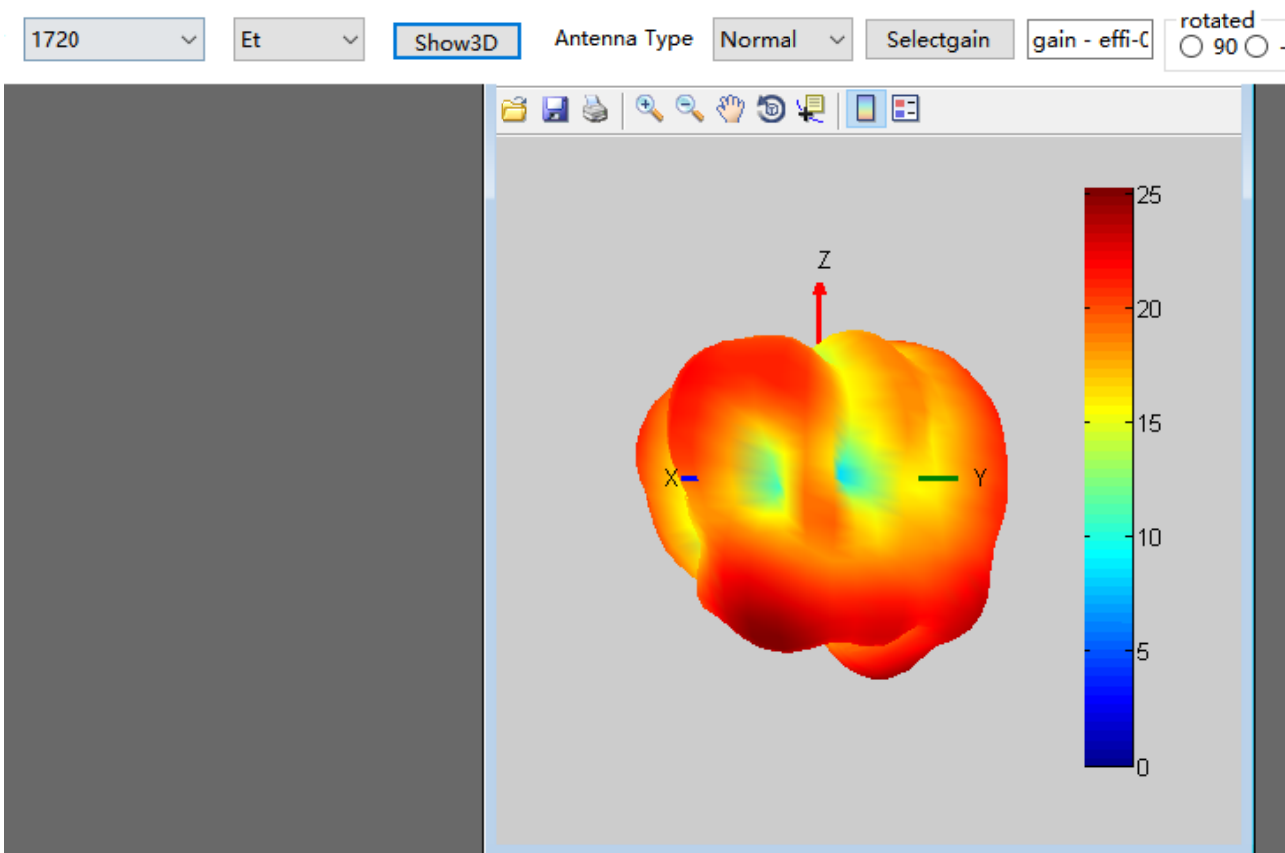
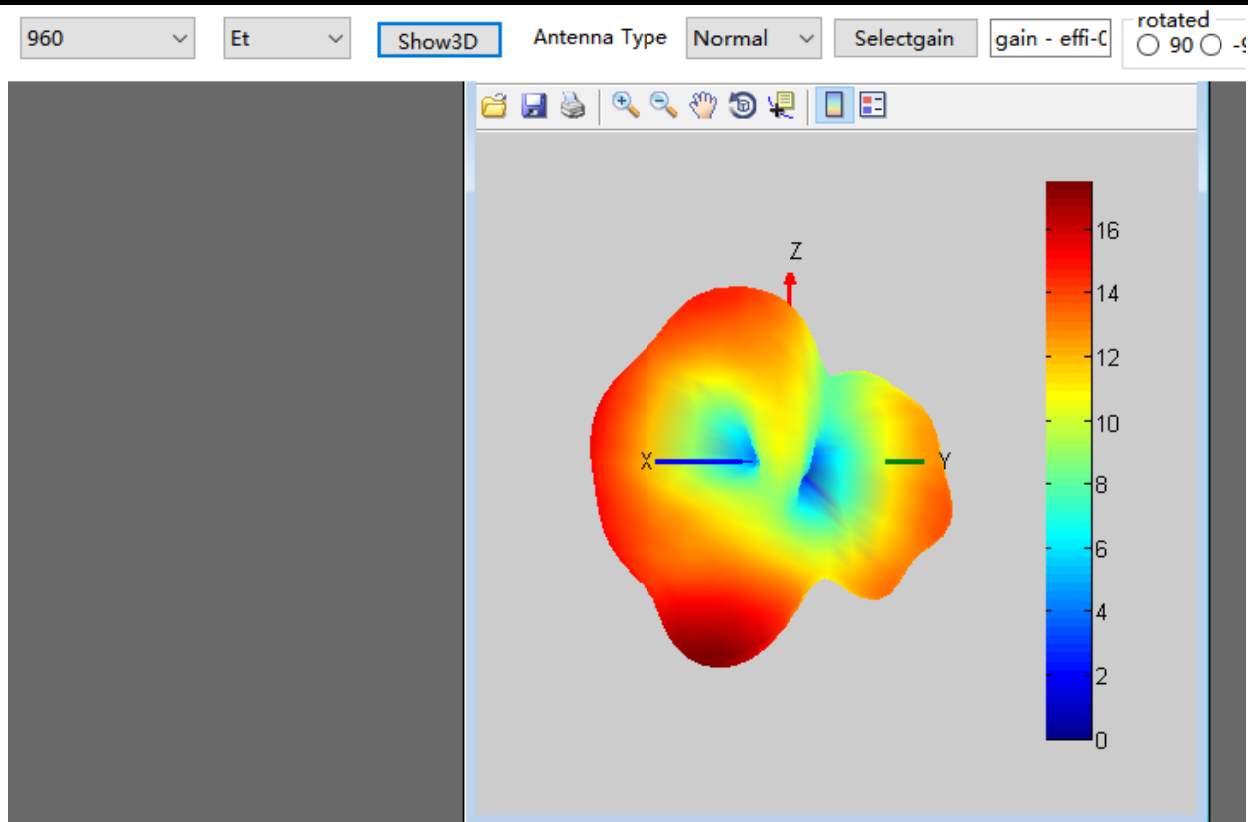
Main antenna passive parameters:

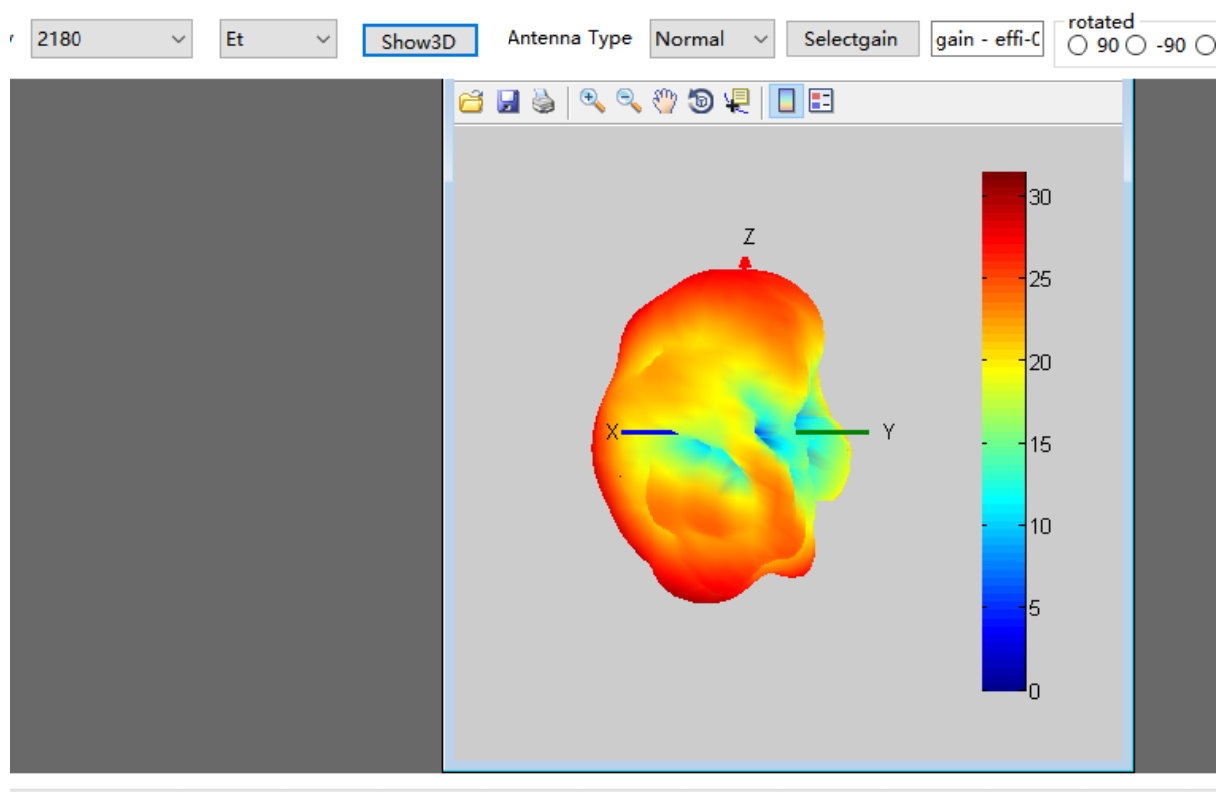
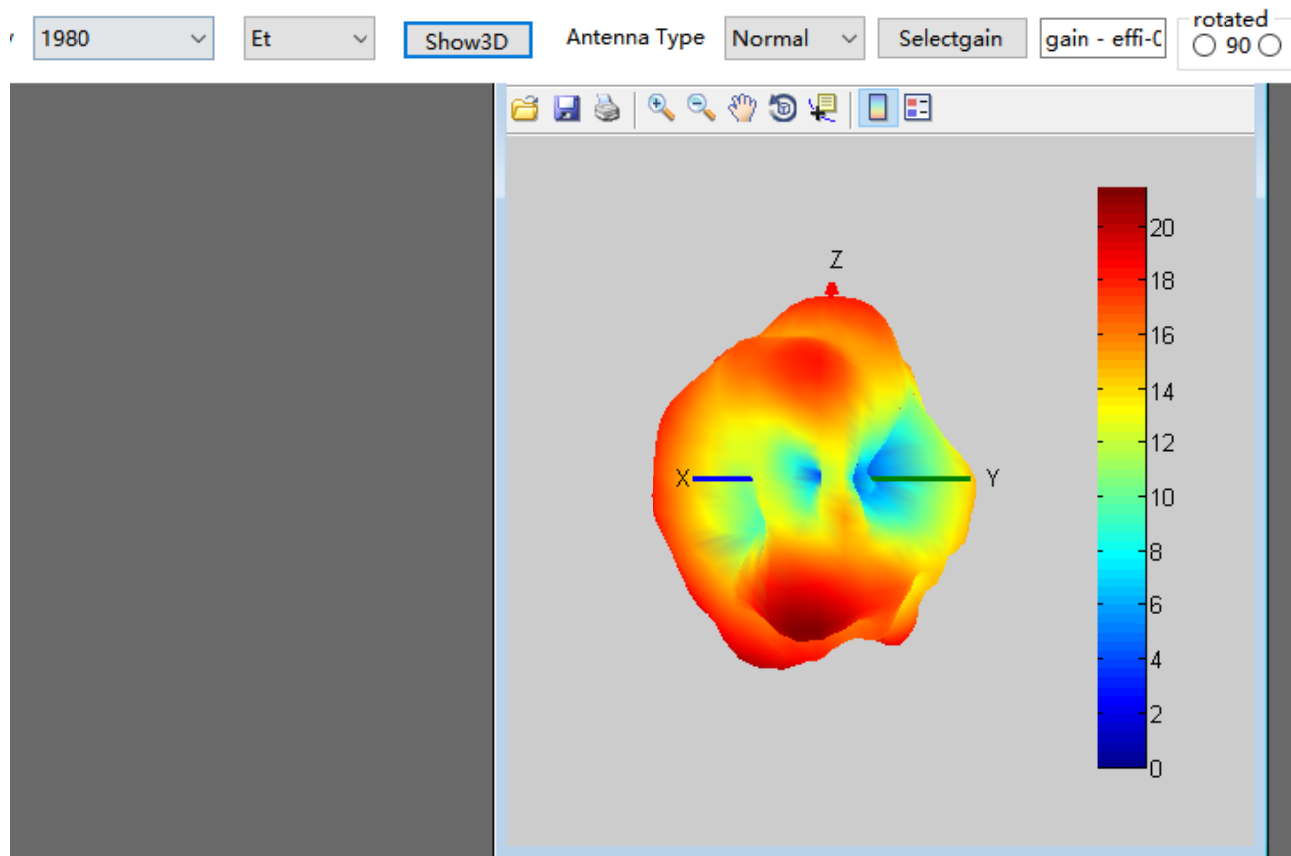
工作频段(Working frequency band): 699~960MHZ, 1710~2700MHZ

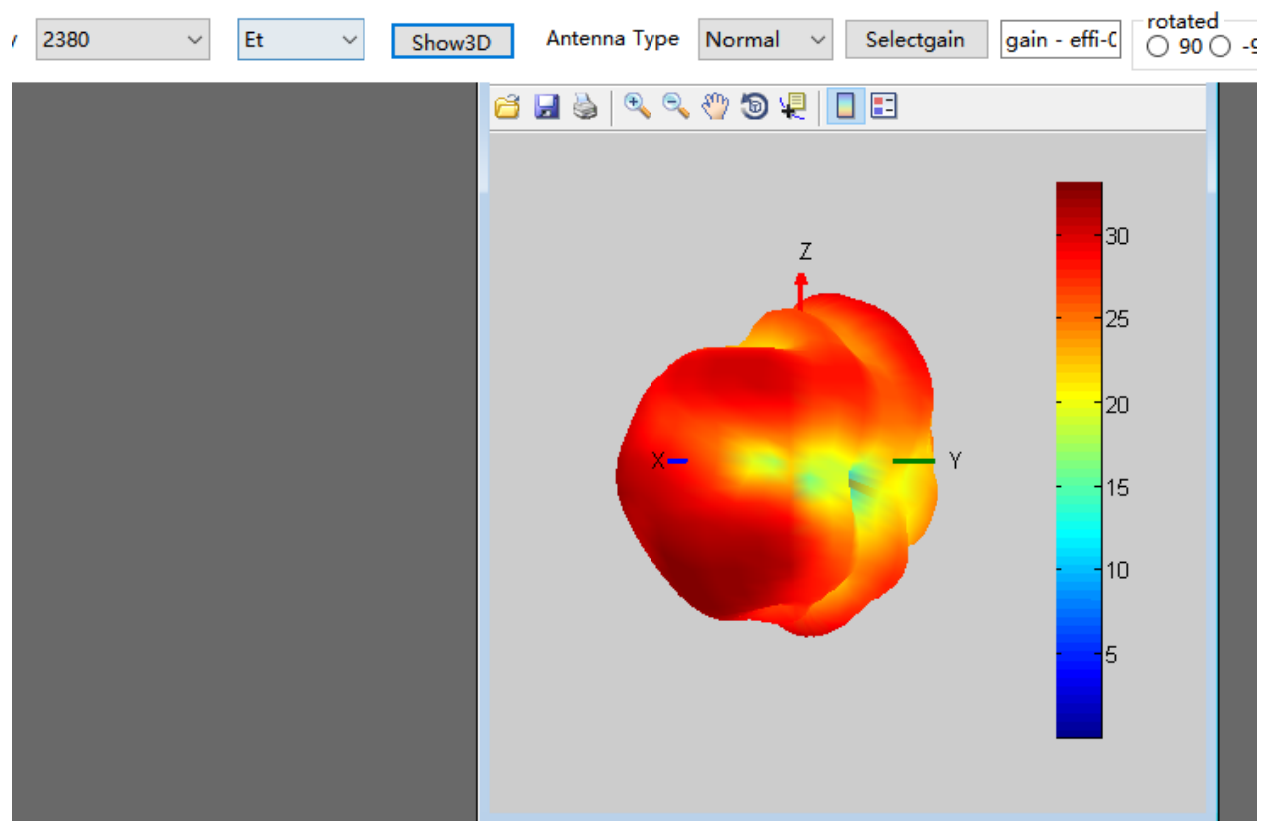
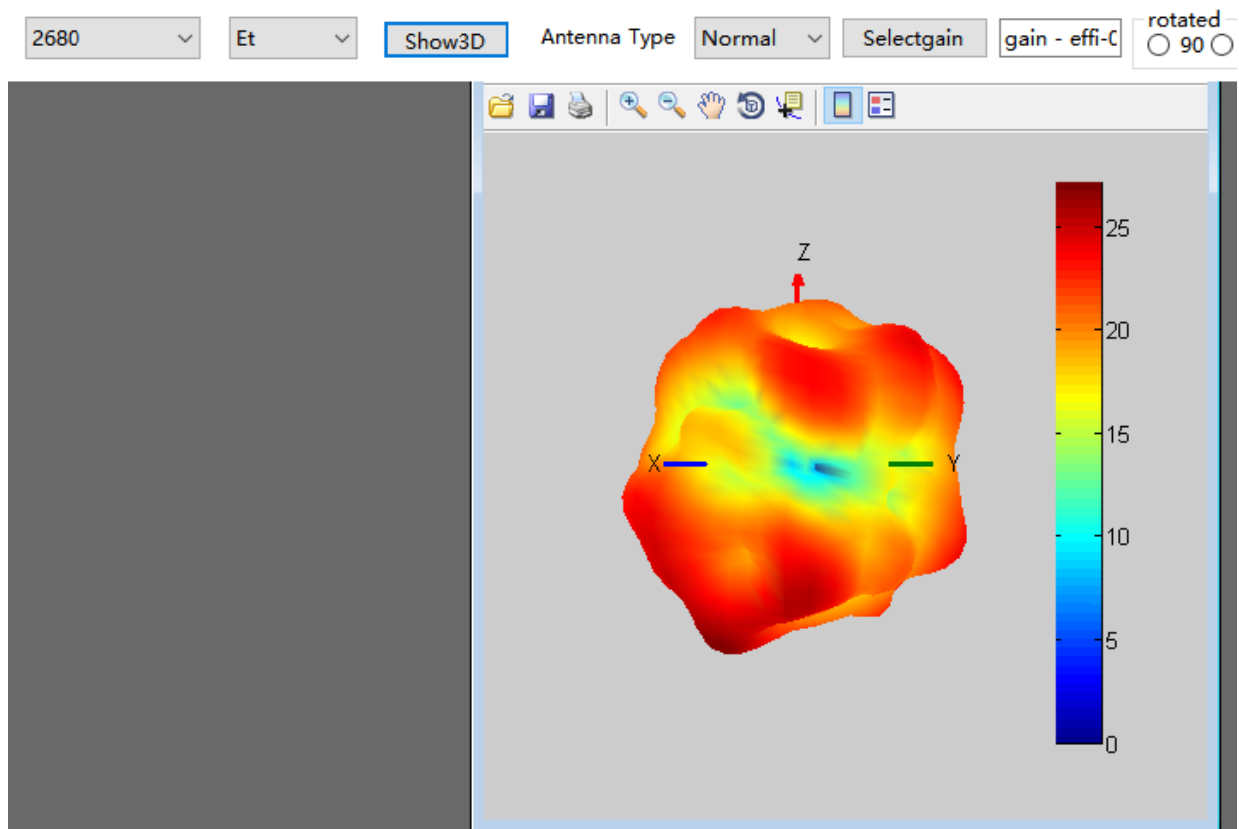
2G	2/3/5/8
3G	1/2/4/5/8
4G	B1/2/3/4/5/7/8/12/17/18/19/20/25/26/28/66 /34/38/39/40/41
BT/WIFI	2.4G+5G
GPS	1575.42MHz

频段 Band	gain 增益 (dBi)	
LTE-B12/B13/B17/B28	-2.55	720MHZ
BC0/BC10/GSM850,WCDMA-B5/B6/B19,LTE-B5/B18/B19/B20/B26	-1.75	820MHZ
GSM900,WCDMA-B8,LTE-B8	-2.04	960MHZ
DCS1800,LTE-B3,WCDMA-B4,LTE-B4/B66	1.24	1720MHZ
BC1,PCS1900,WCDMA-B2,LTE-B2/B25/B39	1.15	1980MHZ
WCDMA-B1,LTE-B1/B34	1.78	2180MHZ
LTE-B7/B38/B41,	2.30	2680MHZ
LTE-B40	1.16	2380MHZ
GPS	1.2	1575MHZ
2.4G WIFI/BT	2.0	2450MHZ
5G WIFI	0.82	5300MHZ



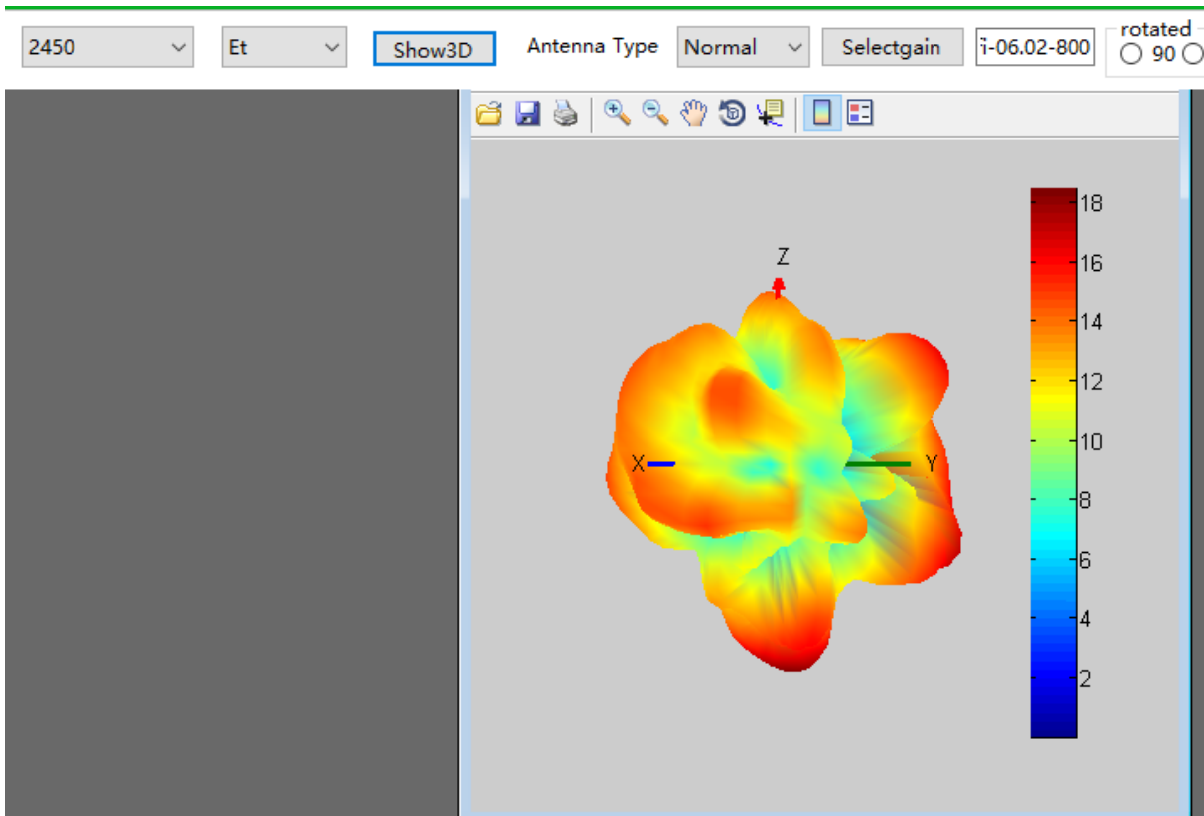
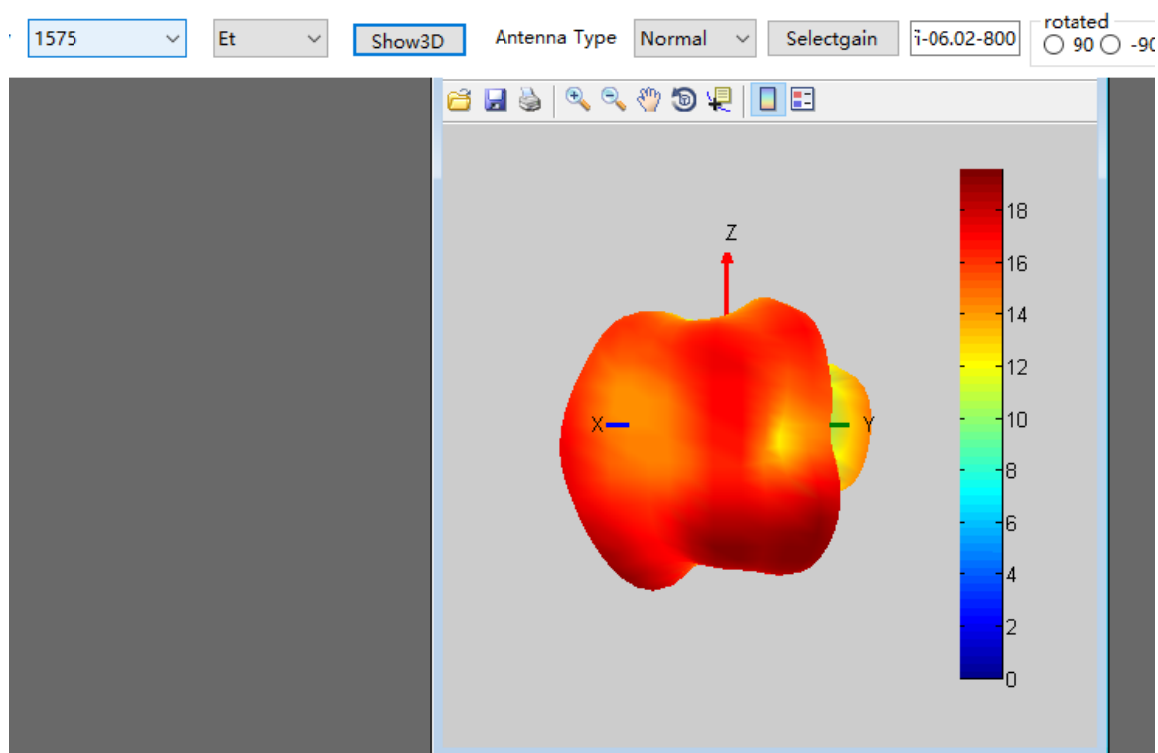


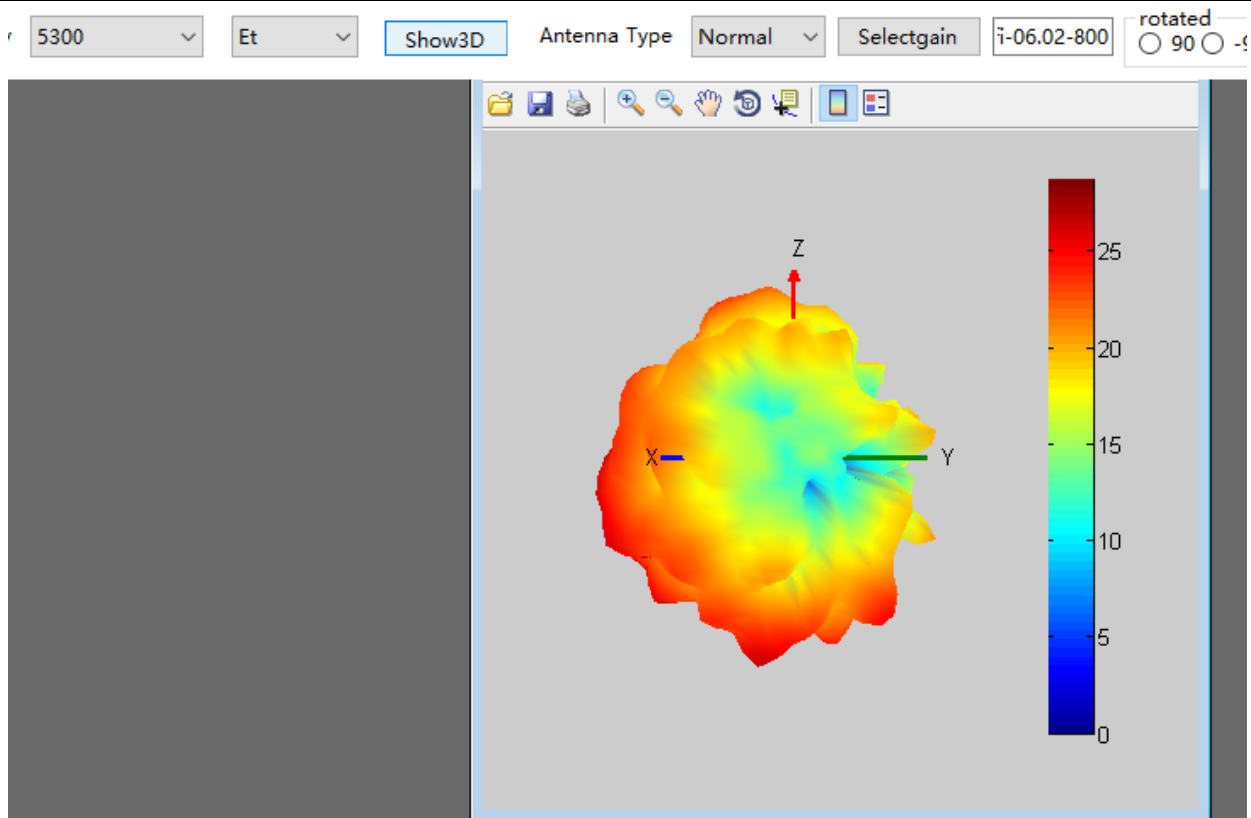




GPS/WIFI/BT antenna passive parameters:

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





2.测试结果(Test result)

everything is normal.

四、有源测试的设置(Active test setup)

The connections of the active test device in turn are:

Agilent8960 → 50 ohm coaxial cable → Satimo SG16 Test System → device under test

1.测试的场地(Test site)

AW microwave anechoic chamber: the test frequency range is 400MHz—6GHz, the quiet zone range is 40cm circumference, and the reflectivity is less than -90 dB.

2.测试结果(Test result)

The maximum radiated power and maximum receiving sensitivity reflect the maximum power radiation value and the best receiving performance of the antenna in the entire radiation space. TRP and TIS reflect the average radiation power and average receiving sensitivity of the antenna, that is, reflect the overall receiving performance of the antenna.

Recommendations and Conclusions

This report is based on the electrical performance of the antenna measured by the mobile phone provided by the customer, please review it carefully.

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