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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			

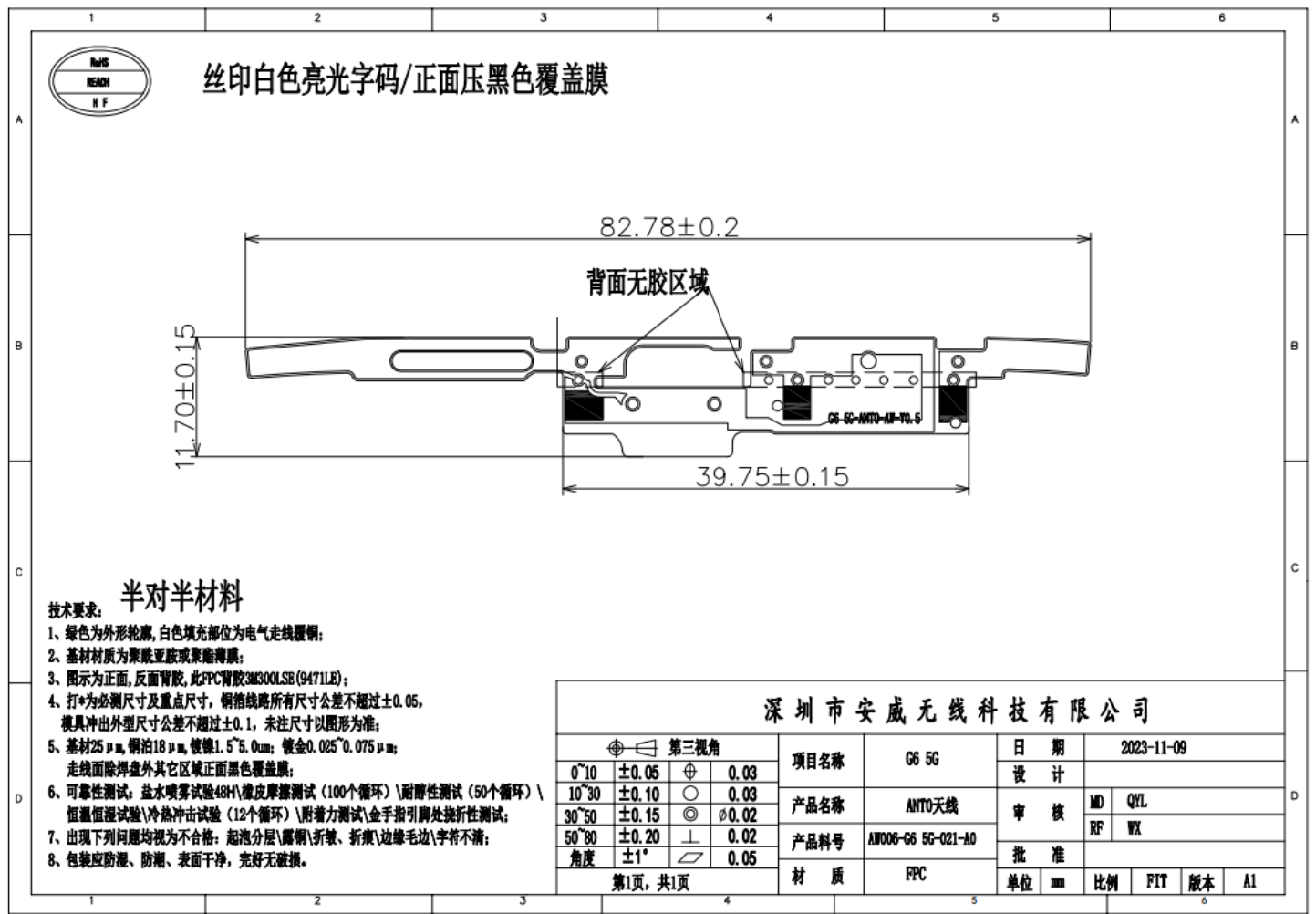
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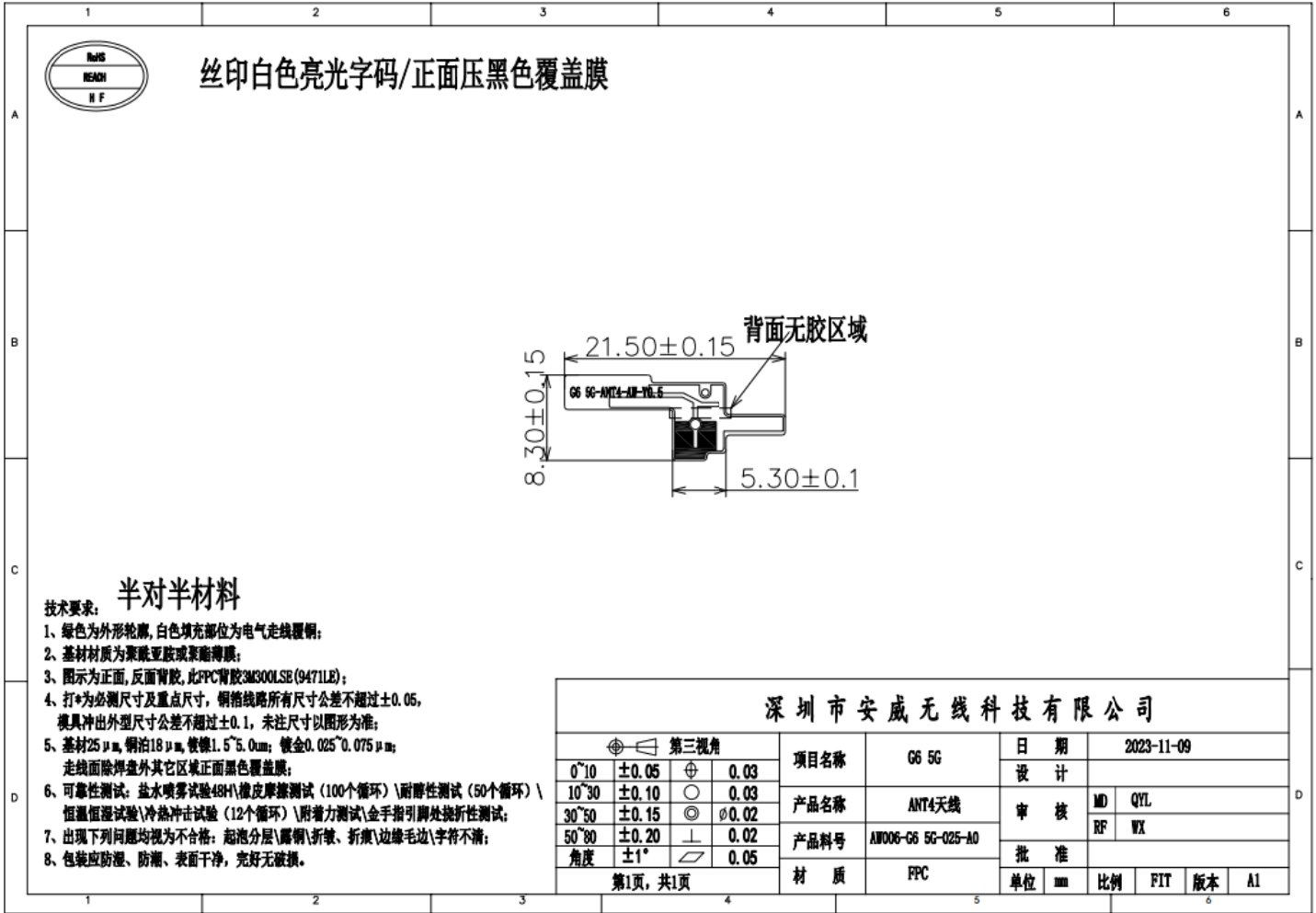
1. Product specifications

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

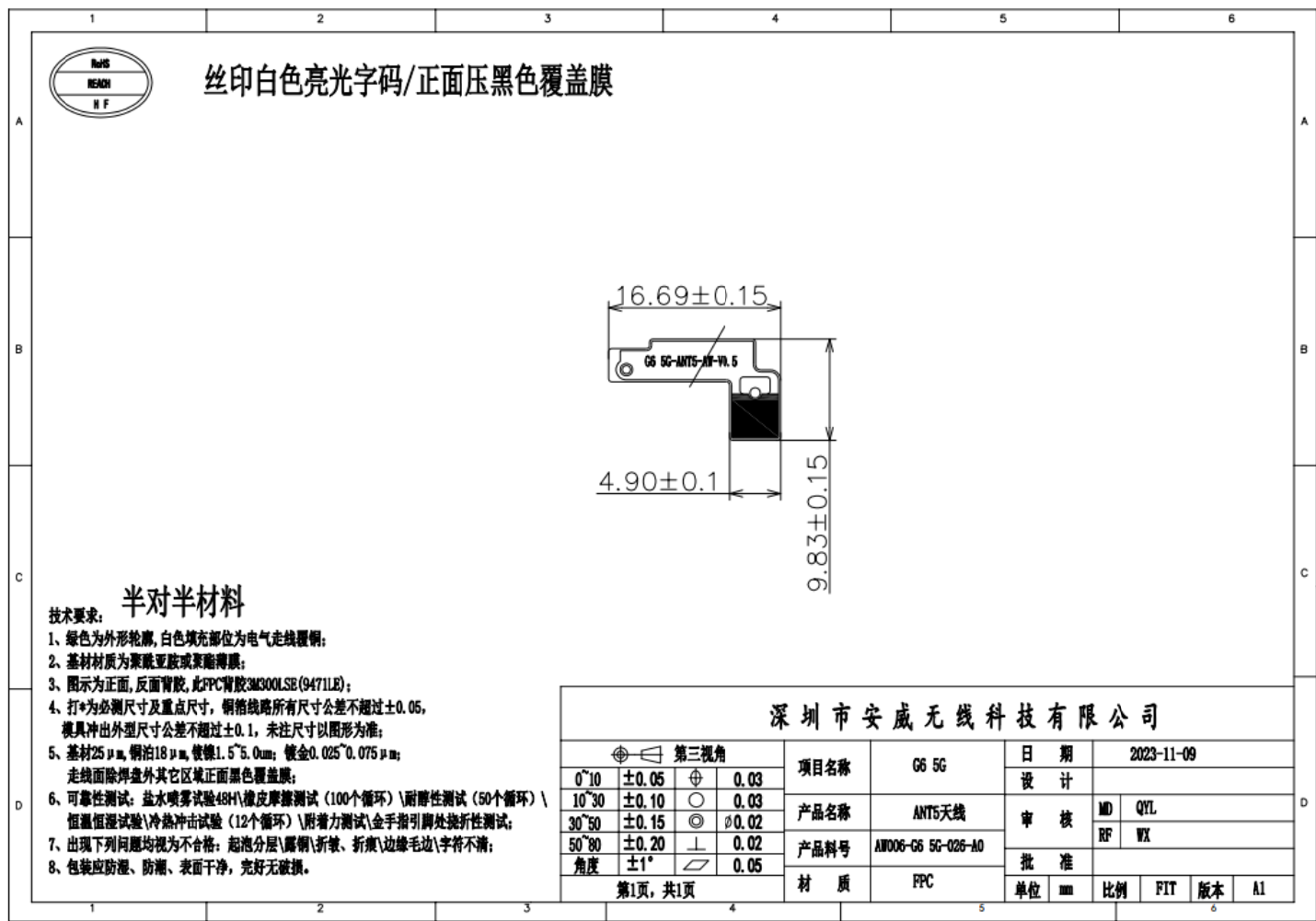
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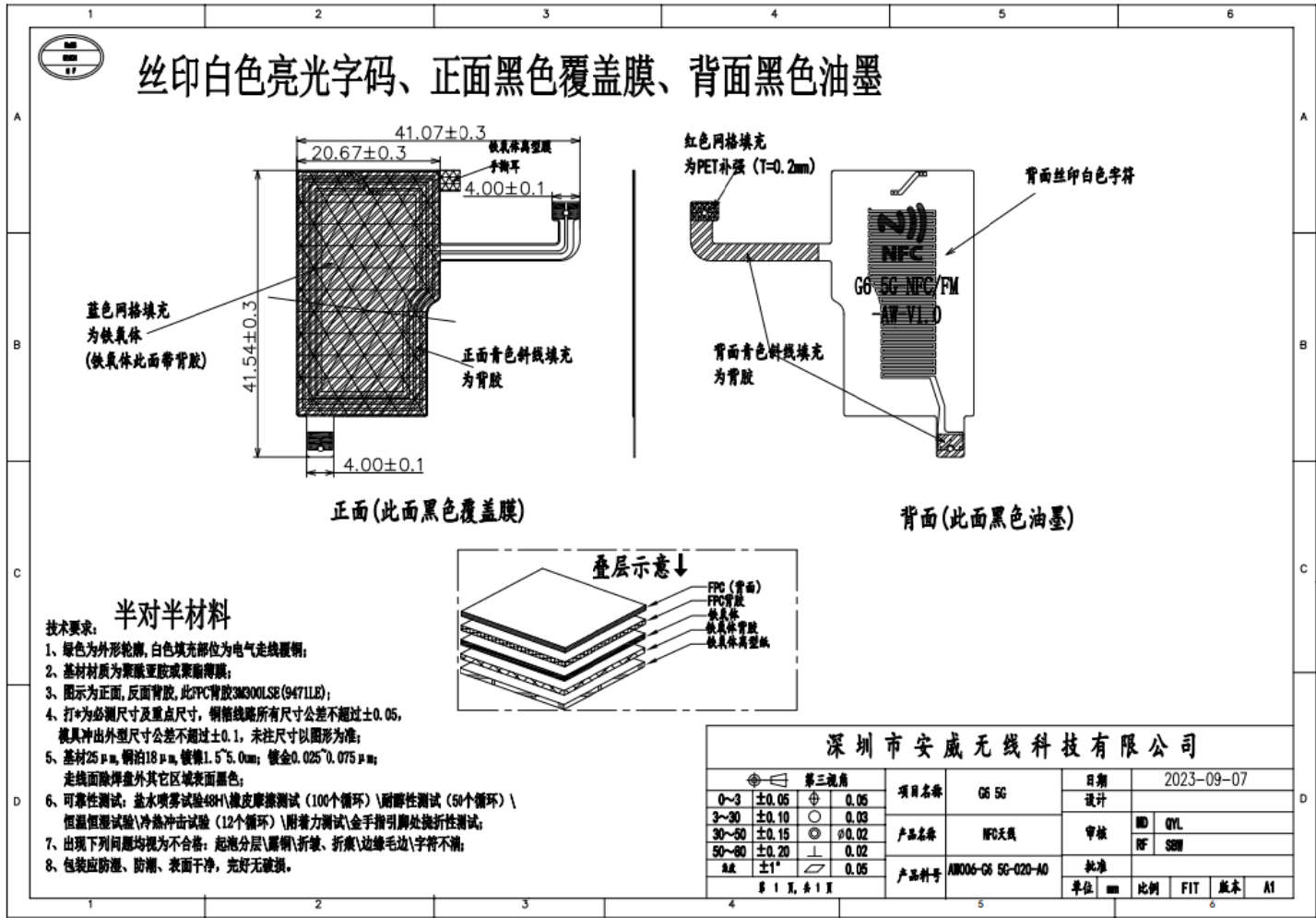
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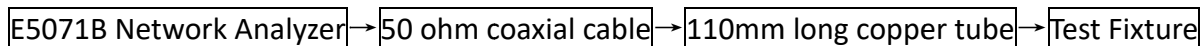
NFC



3. Parameter testing

(1.) Test settings

The sequential connections of the VSWR test device are:



Handling of test fixtures:

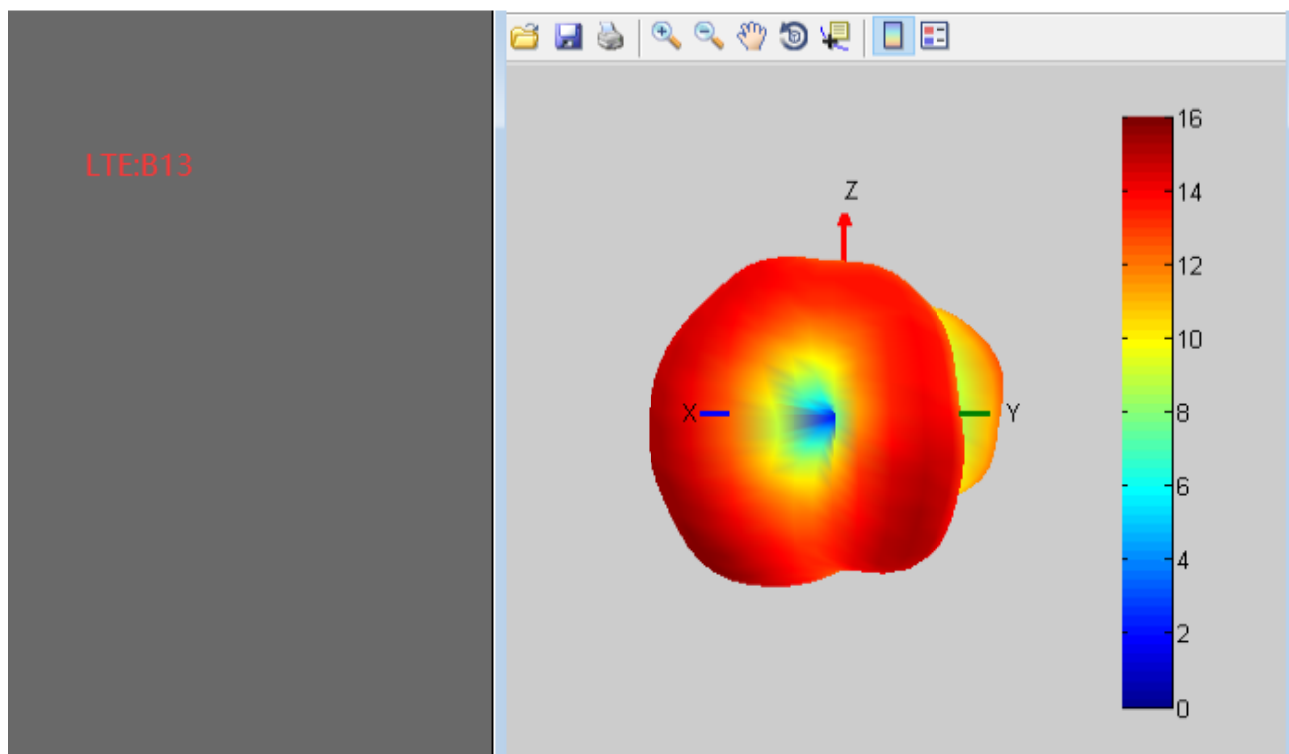
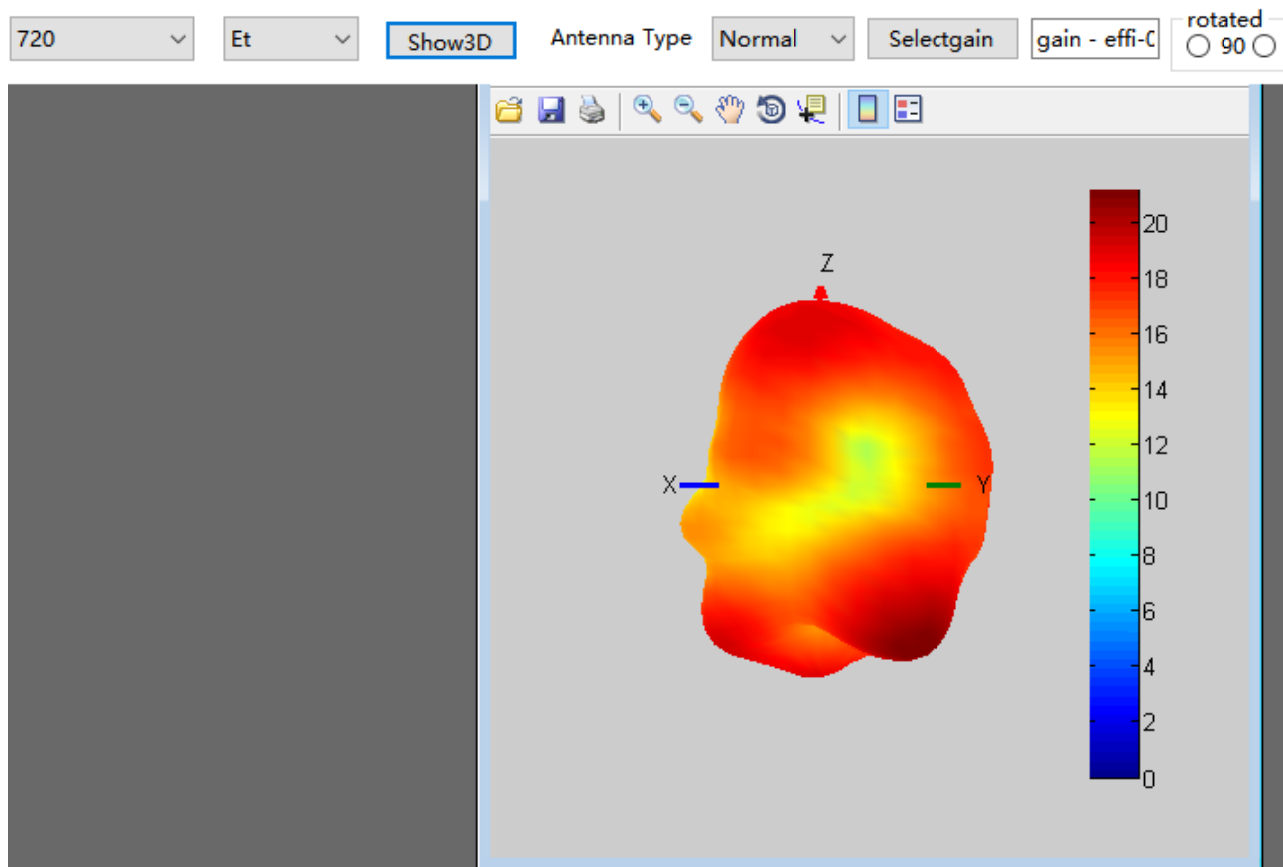
Use a hard cable to lead out the SMA-J connector from the 50 ohm test point of the antenna on the mobile phone PCB, connect it to a copper tube covered with a choke, and then connect it to other devices in turn.

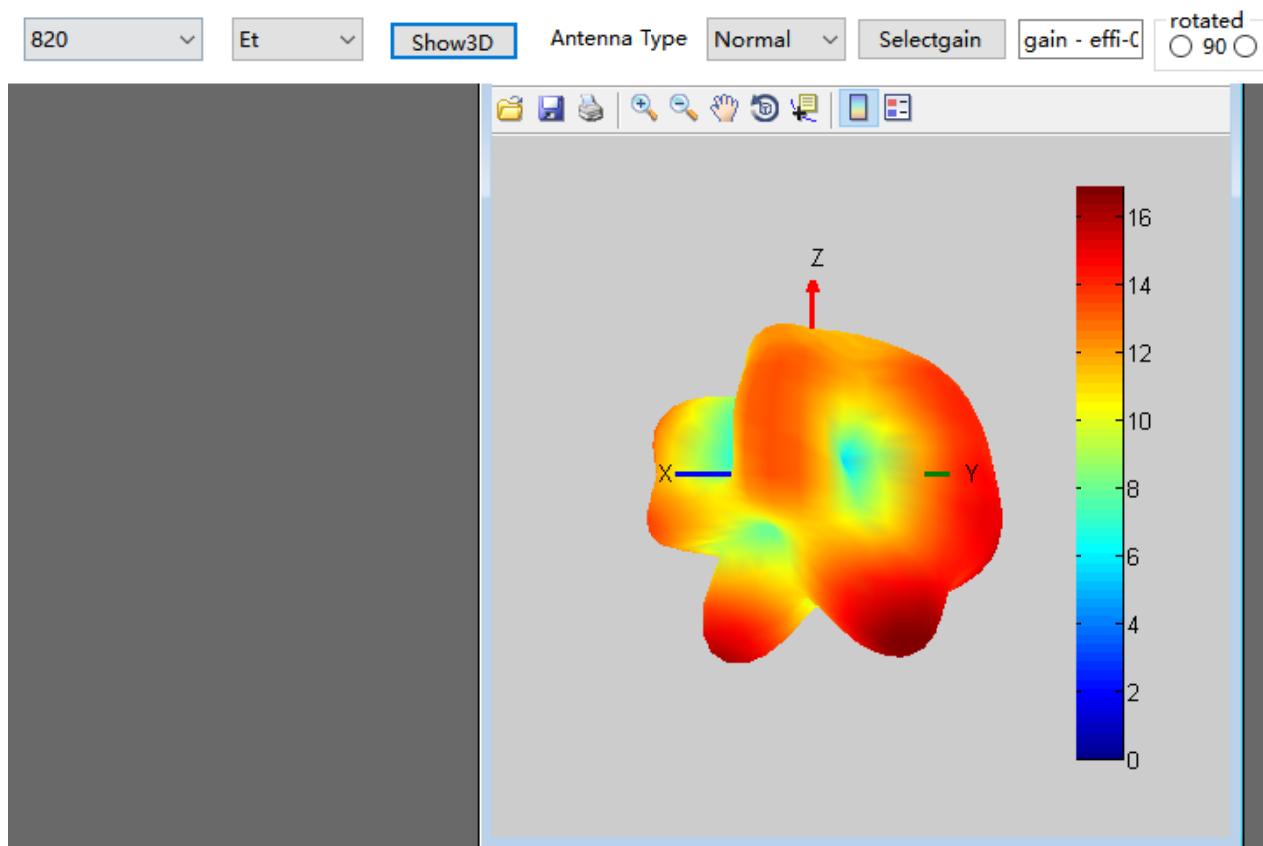
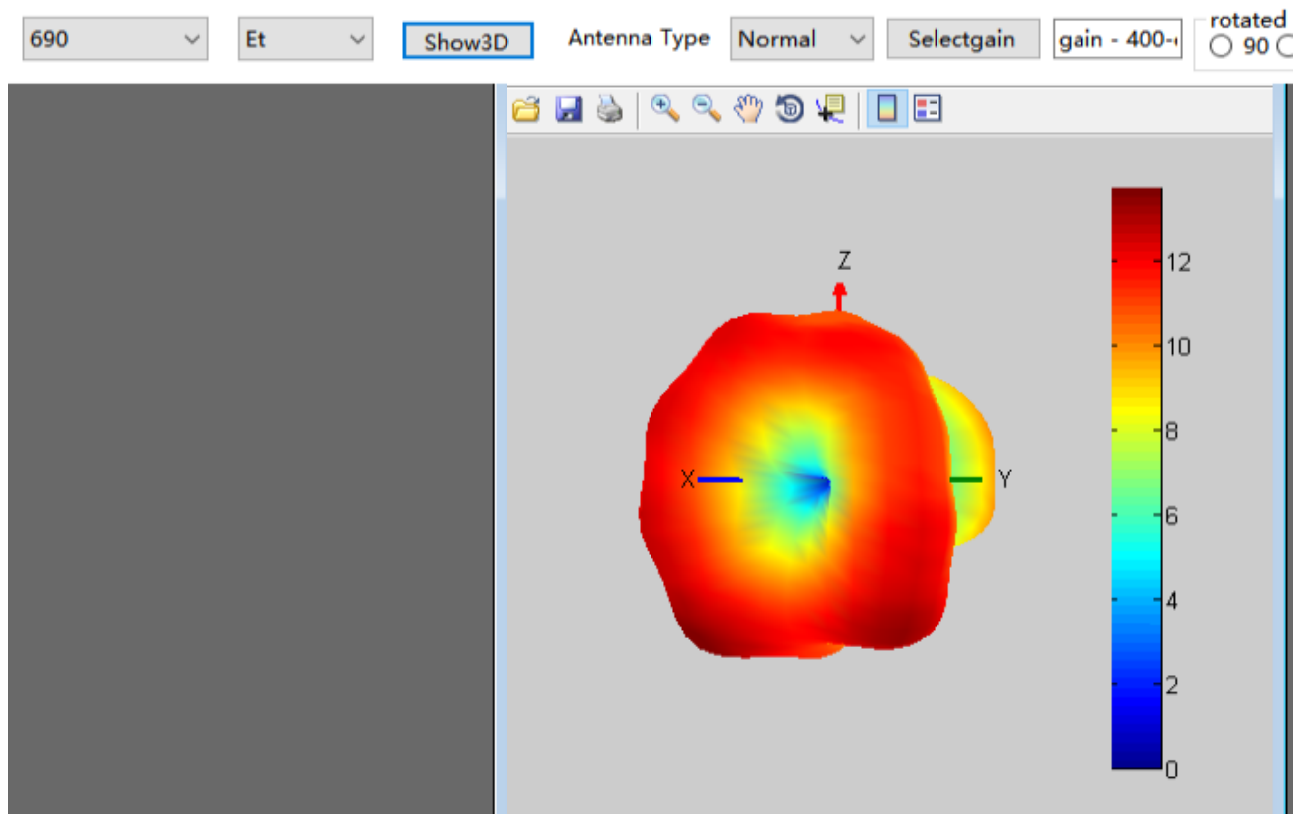
Main antenna passive parameters:

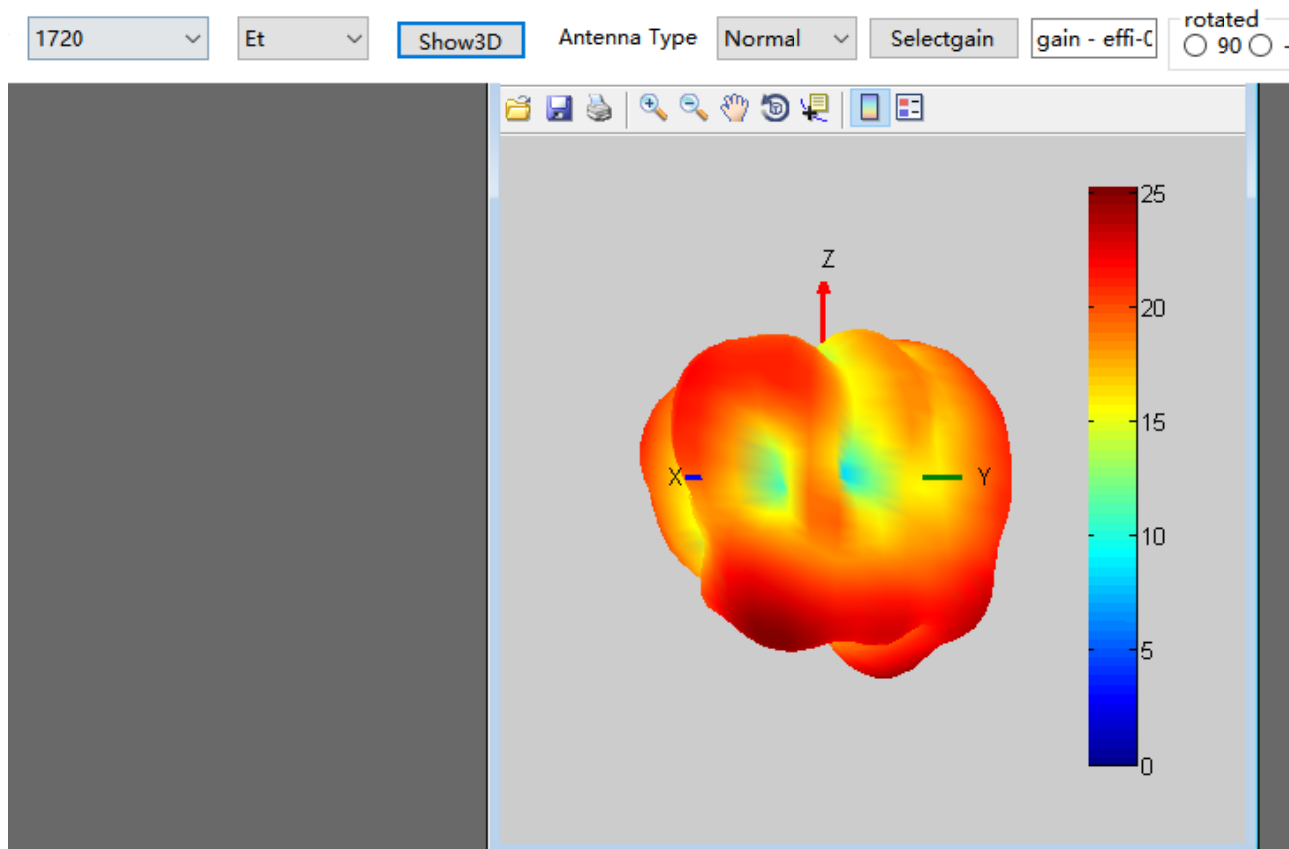
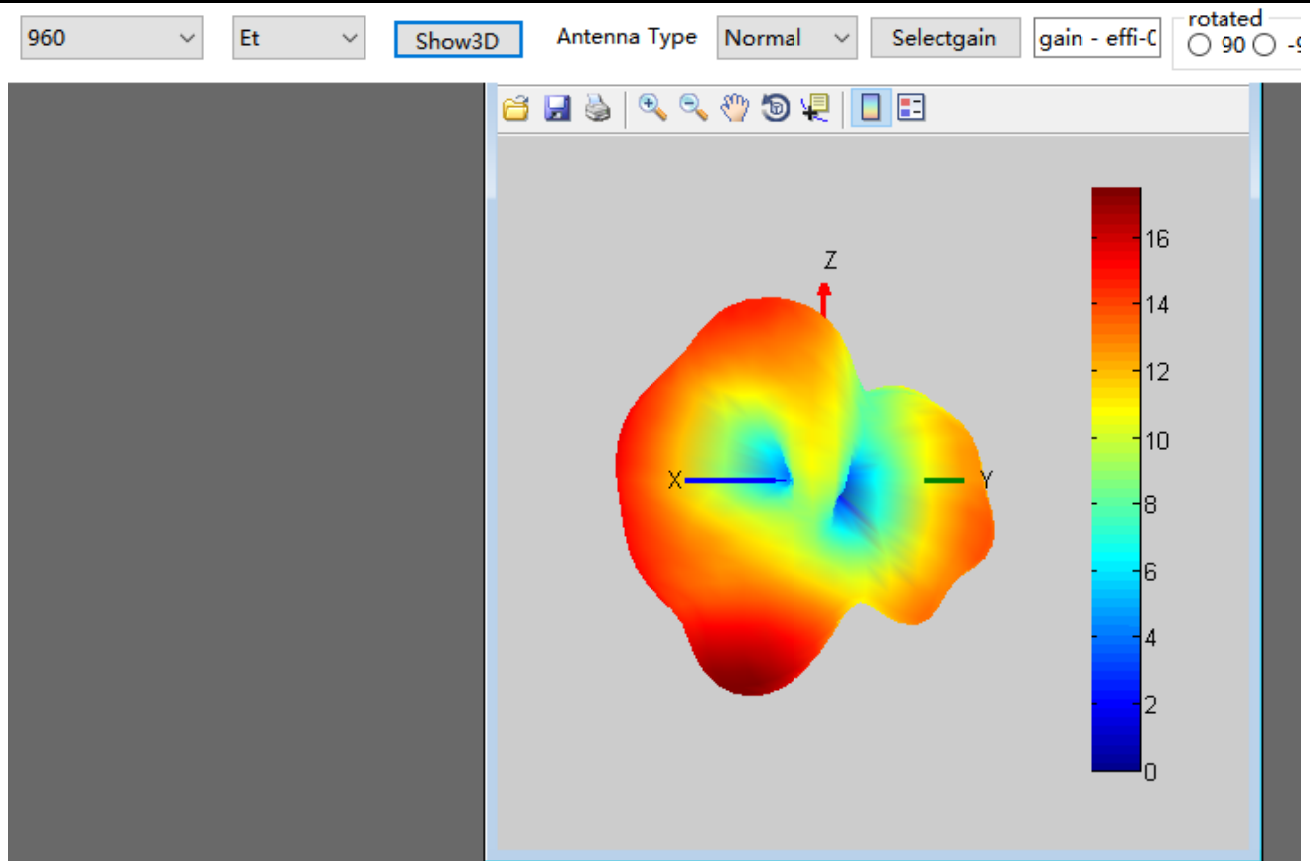
工作频段(Working frequency band): 699~960MHZ, 1710~2700MHZ

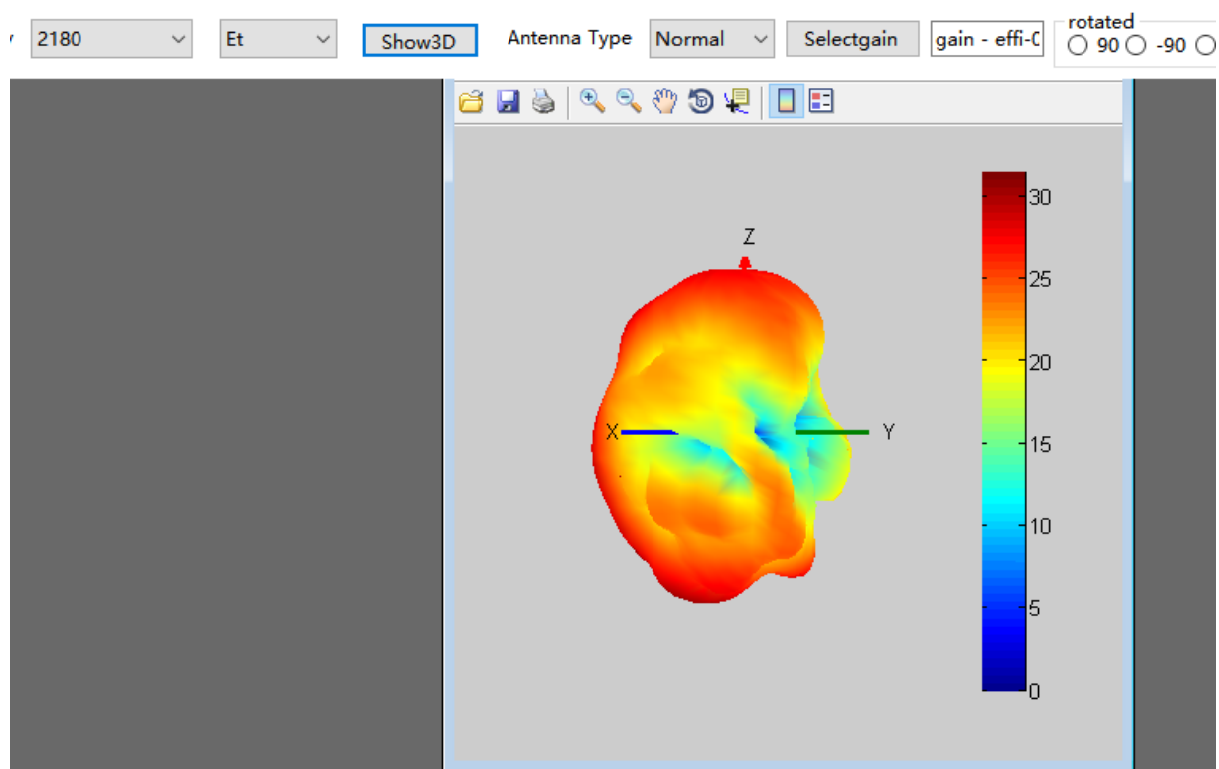
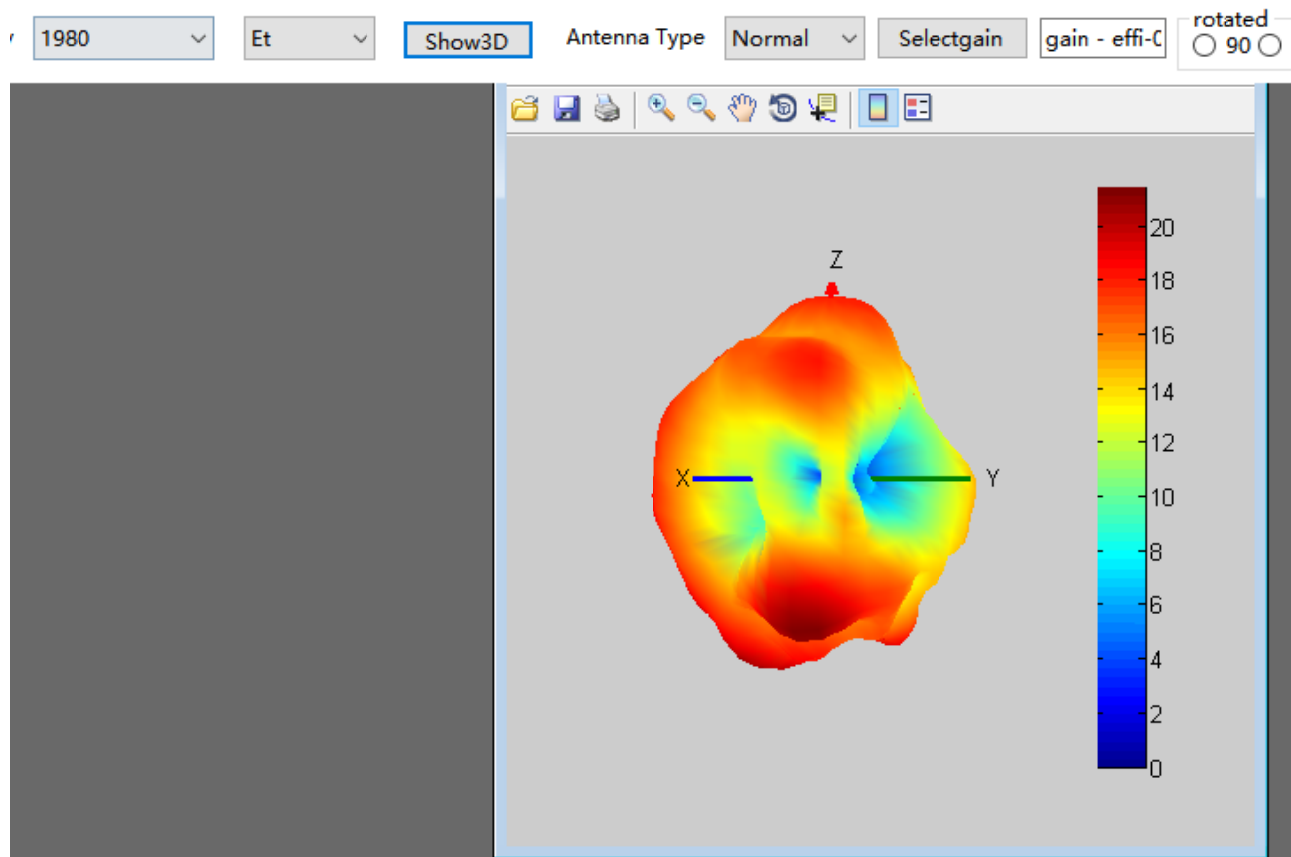
2G	2/3/5/8
3G	1/2/4/5/6/8/19 CDMA:BC0/BC10/BC1
4G	B1/2/3/4/5/7/8/12/13/17/18/19/20/25/26/28/66/71 34/38/39/40/41
5G	N1/2/3/5/7/8/20/25/28/38/40/41/66/77/78
BT/WIFI	2. 4G+5G
GPS	1575. 42MHz

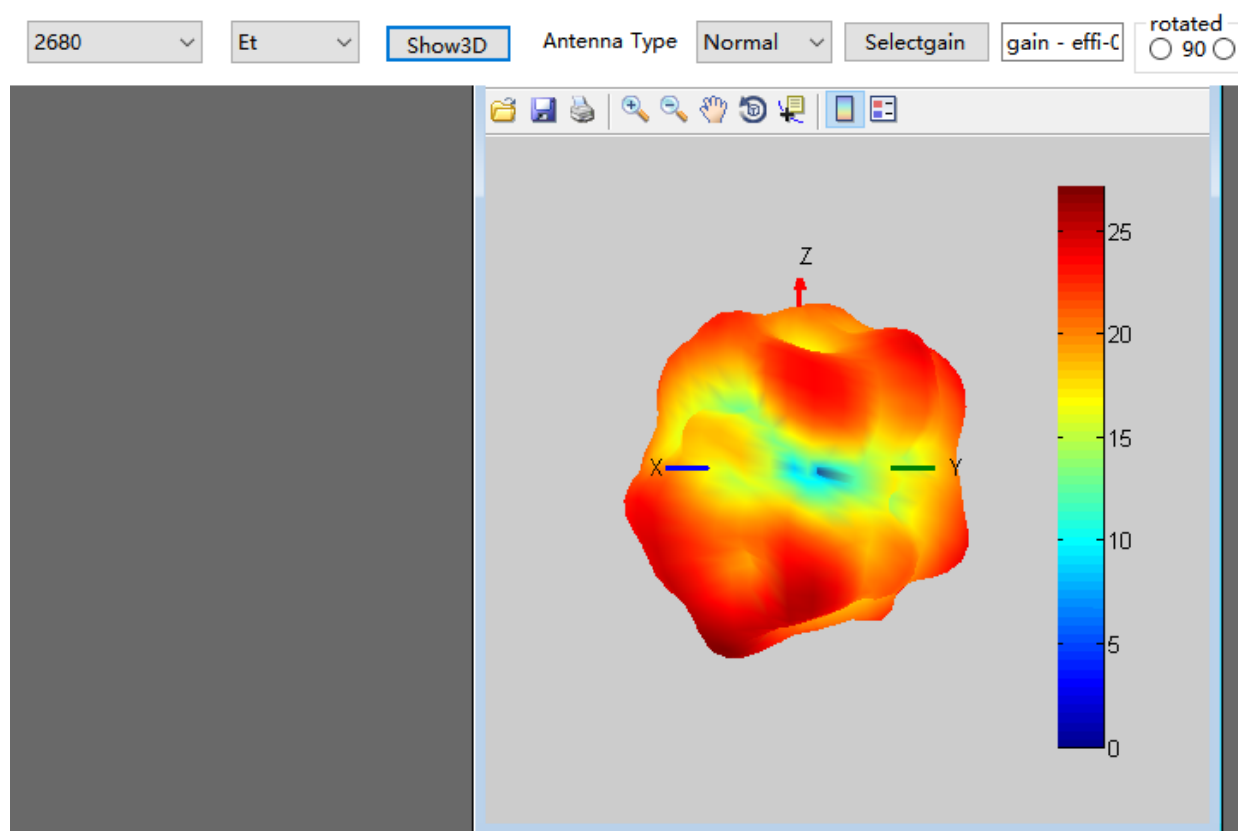
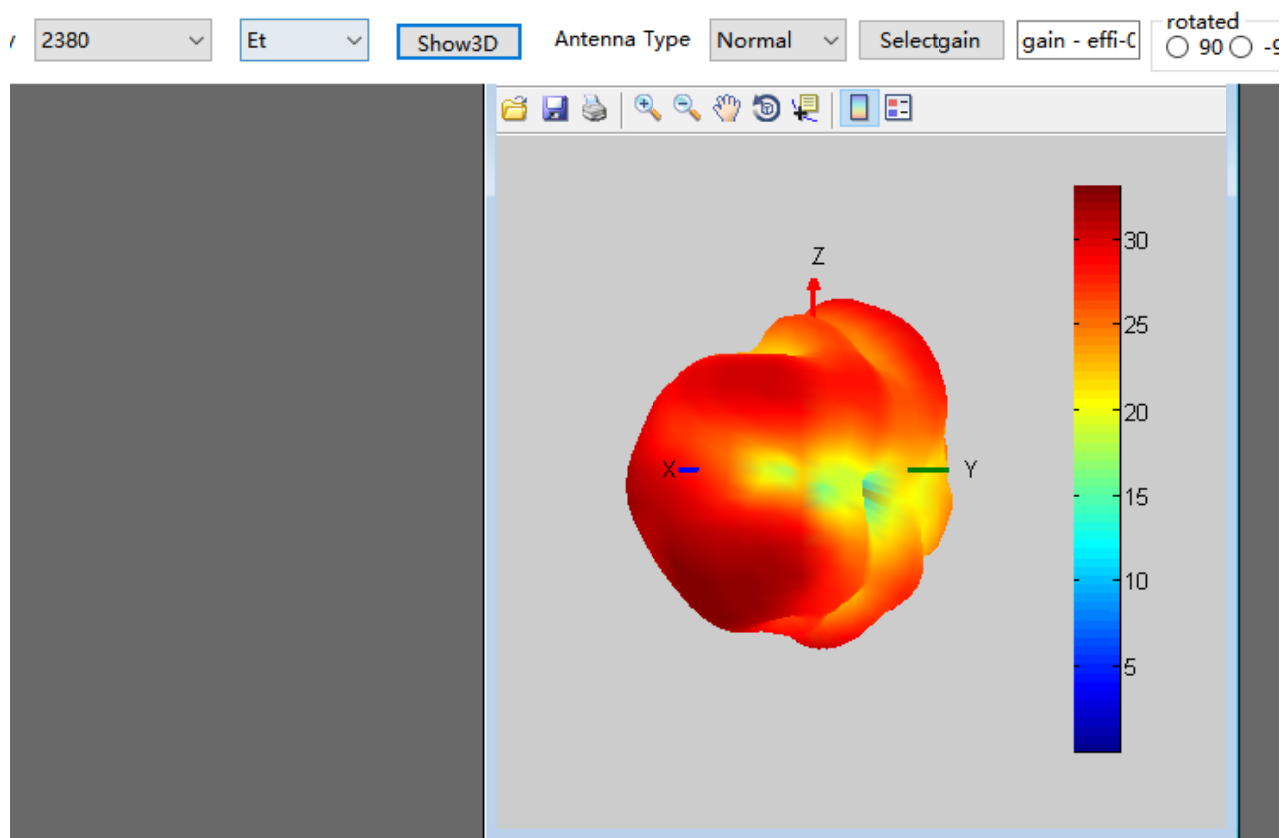
频段 Band	Gain 增益 (dBi)
LTE:B12/17/28 NR:N28	-4.55
LTE:B13	-3.69
LTE:B71	-5.03
CDMA:BC0/BC10 GSM850,WCDMA-B5/6/19,LTE-B5/18/19/20/26 NR:N5/N20	-4.02
GSM900,WCDMA-B8,LTE-B8 NR:N8	-3.85
DCS1800,WCDMA-B4 ,LTE-B3/4/66,NR:N3/66	1.2
PCS1900,WCDMA-B2,LTE-B39/25/2 NR:N2/25	1.15
CDMA:BC1 WCDMA-B1,LTE-B1/B34 NR:N1	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

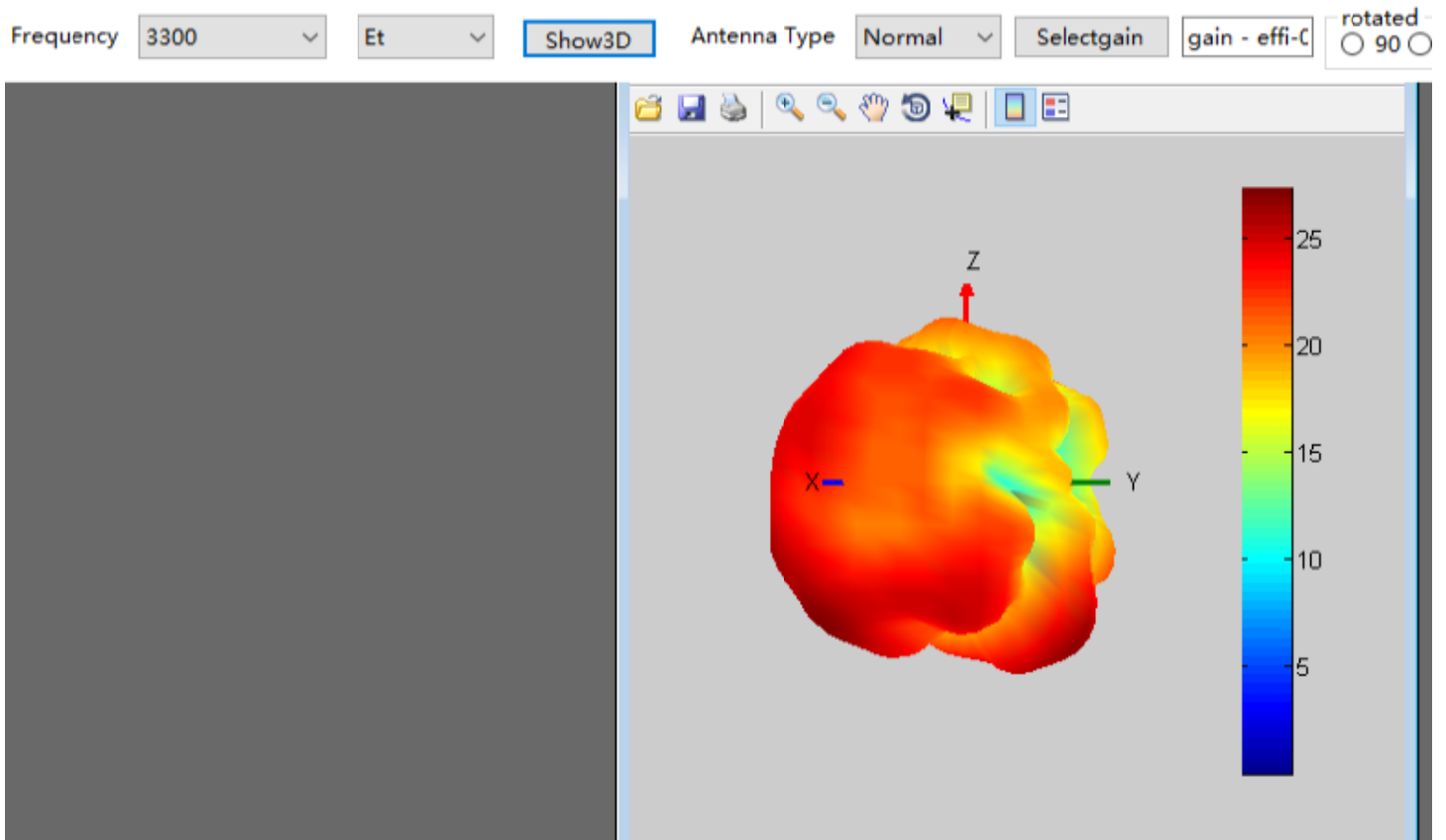






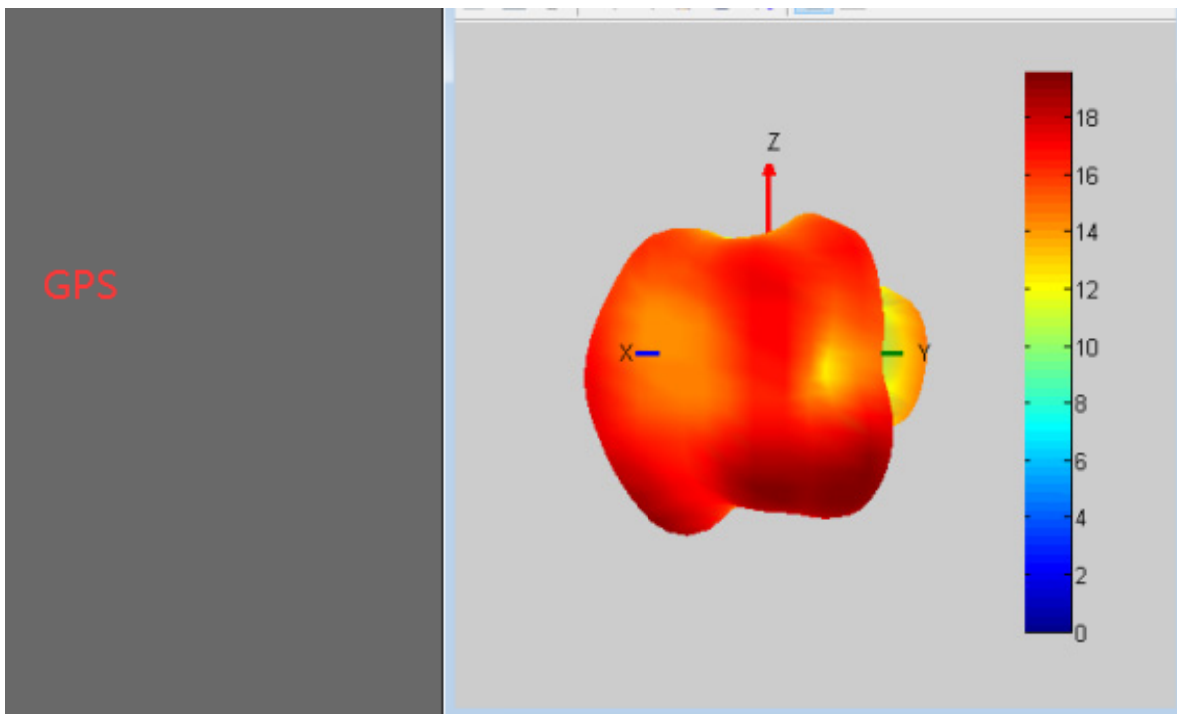




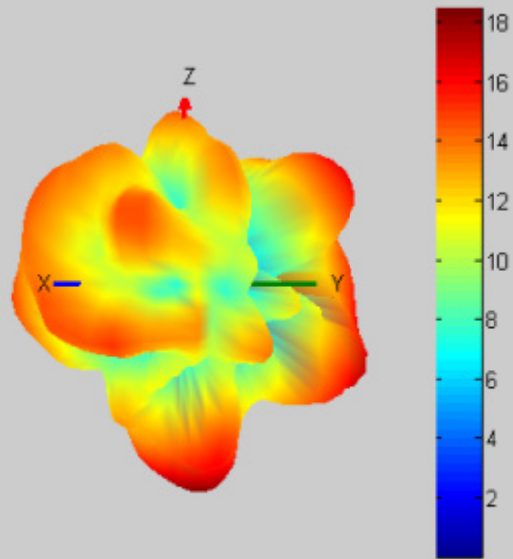


GPS/WIFI/BT Antenna passive parameters:

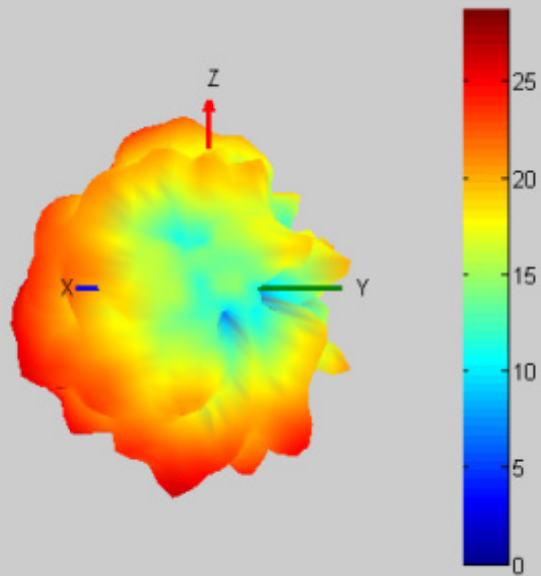
工作频段(Working frequency band): 1560~1580MHZ, 2400~2500MHZ, 5180~8525MHZ



2.4WIFI



5G WIFI



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