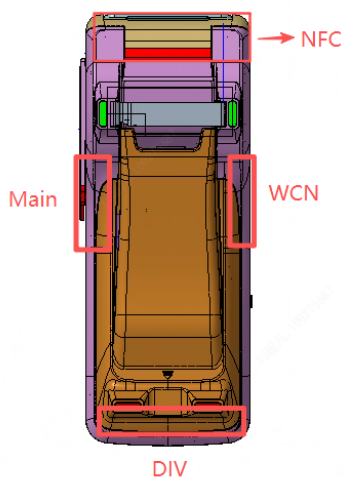


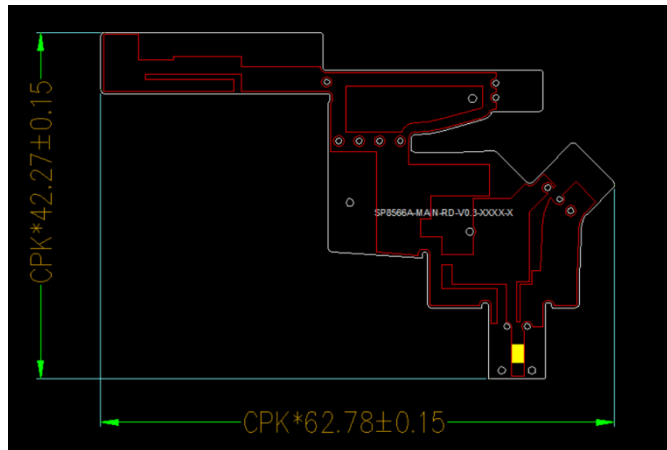
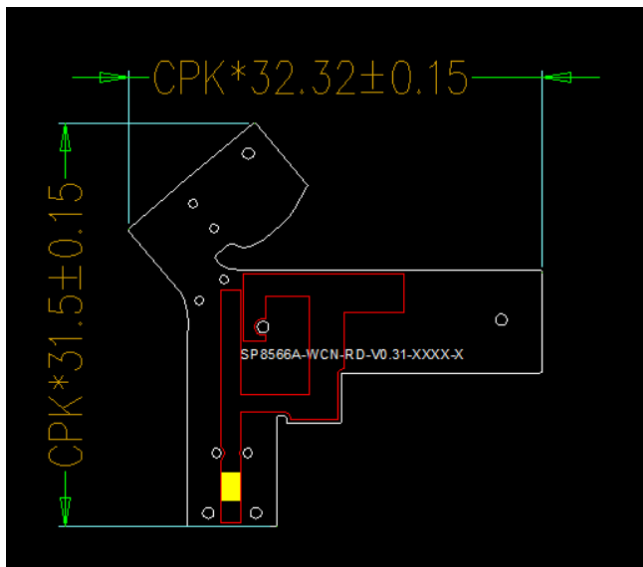
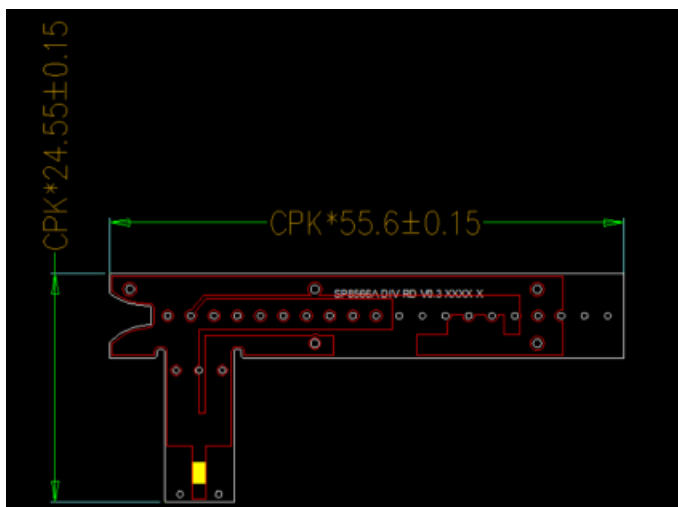
Antenna Product Specification

Entry Name	S1F4CT
Frequency Channel	GSM:850/900/1800/1900 WCDMA:W1/2/4/5/8/19 FDD-LTE: B1/2/3/4/5/7/8/12/17/18/19/20/26/28/66 TDD-LTE:B38/40/41 WCN: GPS/BT/2.4G/5G NFC:13.56Mhz
Supplier Name	Shenzhen RuiDe Communication Technology Co.,Ltd.
Supplier Address	Room 401,No.6 Zhangfeng Road,Dongfang Community,Songgang Subdistrict,Bao'an District,Shenzhen
Test Data:	2026-6-15
Test Personnel Name	Donghui Yu

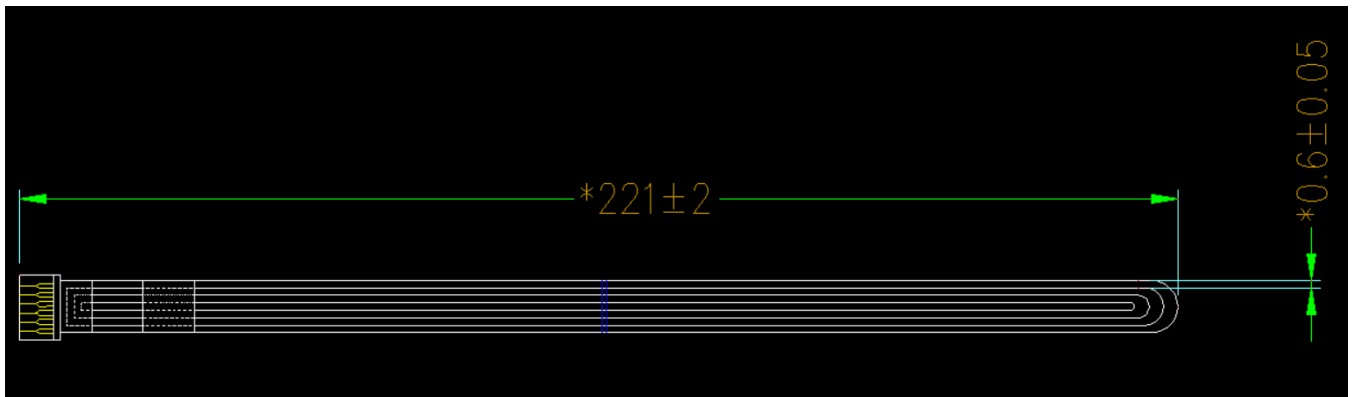
1. Type of Antenna:

Antenna attachment type:



Main ANT pattern: PIFA**WCN ANT pattern: PIFA****Div ANT pattern: PIFA**

NFC ANT pattern: (LOOP)



2. Efficiency and Gain

Main Antenna - Efficiency and Gain:

BAND	Peak Gain(dBi)	Average Gain(dBi)
LTE B1 WCDMA B1	-1.16	-3.99
LTE B2/25 WCDMA B2 GSM1900	-1.19	-3.80
LTE B3/4/66 WCDMA B4 G1800	-1.11	-3.75
LTE B5/18/19/26 WCDMA B5/19 GSM850	-0.21	-5.29
LTE B7/38/41	-1.38	-3.95
LTE B8 WCDMA B8 GSM900	-0.01	-4.62
LTE B12/17/28	-1.92	-5.66
LTE B20	-0.46	-5.27
LTE B40	-0.72	-3.6

DIV Antenna - Efficiency and Gain:

BAND	Peak Gain(dBi)	Average Gain(dBi)
LTE B1 WCDMA B1	-0.46	-5.3
LTE B2/25 WCDMA B2 GSM1900	-0.94	-4.18
LTE B3/4/66 WCDMA B4 G1800	-0.52	-4.77
LTE B5/18/19/26 WCDMA B5/19 GSM850	-1.87	-5.58
LTE B7/41/38	-1.08	-6.21
LTE B8 WCDMA B8 GSM900	-4.23	-8.59
LTE B12/17/28	-1.90	-6.05
LTE B20	-0.76	-3.90
LTE B40	-0.61	-6.28

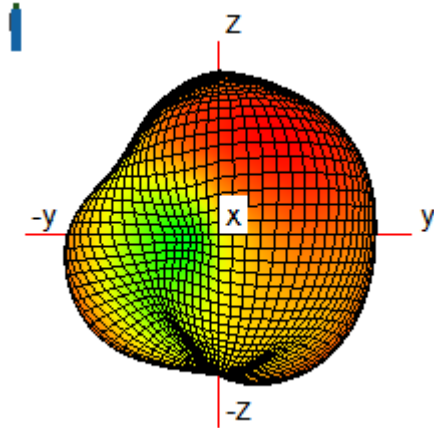
WCN - Gain

Freq (MHz)	Peak Gain(dBi)	Average Gain(dBi)
2400~2483.5MHz	-2.01	-3.81
5150~5250MHz	-2.05	-5
5250~5350MHz	-2.2	-5.02
5470~5725MHz	-2.81	-5.53
5725~5850MHz	-3.26	-6.41
1575MHz	-1.45	-4.52

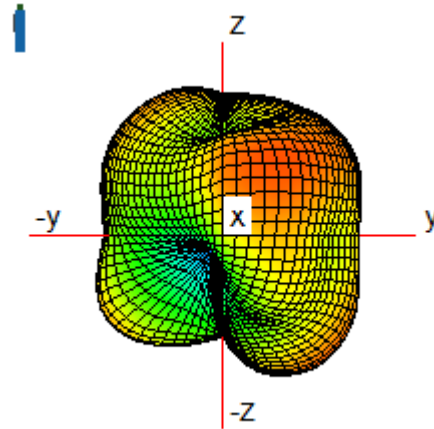
3. 3D Directional Pattern

Main Antenna:

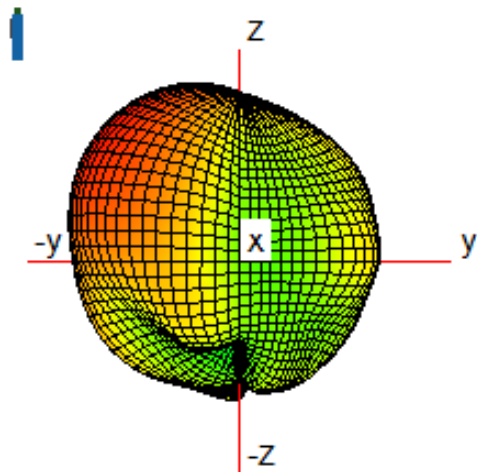
LTEB12/B17



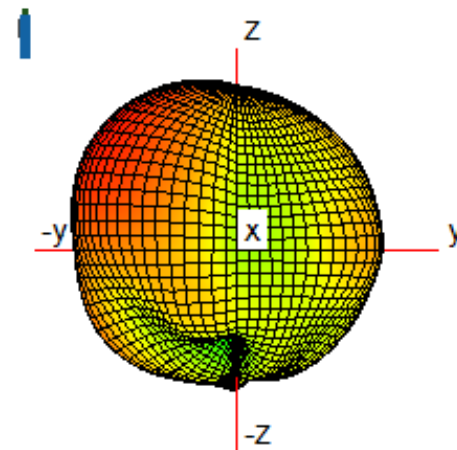
LTEB28



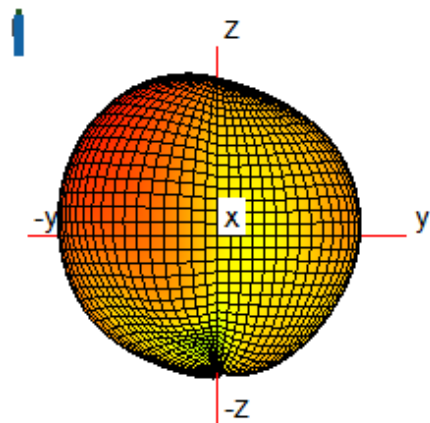
WB19/LTEB18/B19



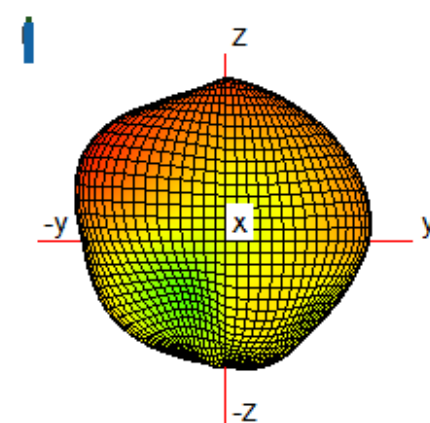
GSM850/WB5/LTEB5/B26

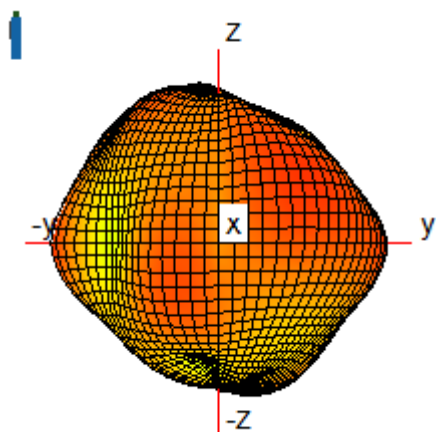
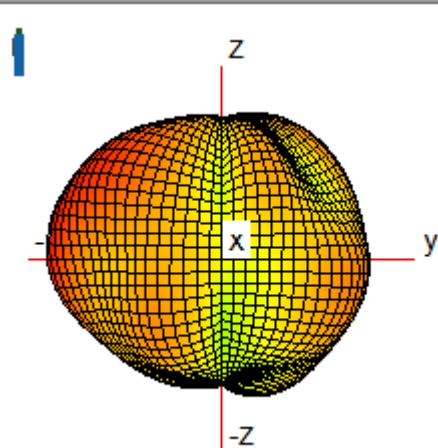
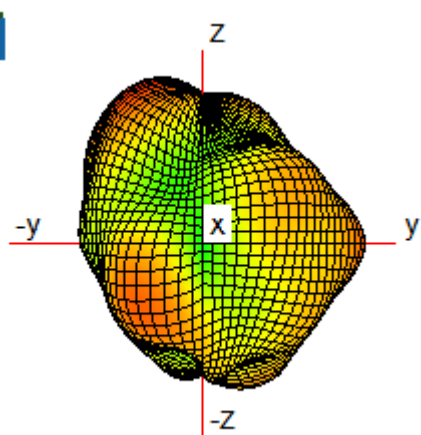
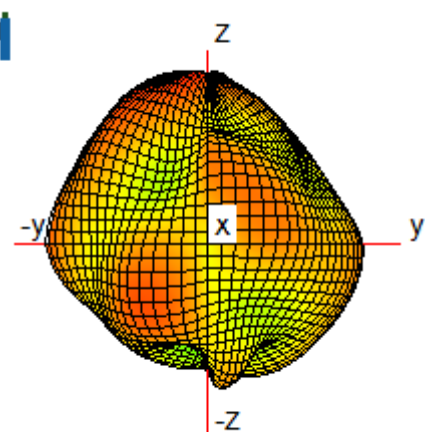
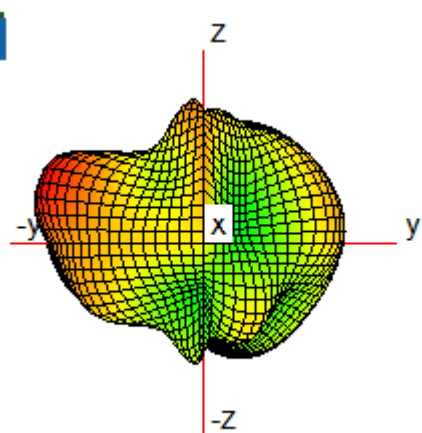
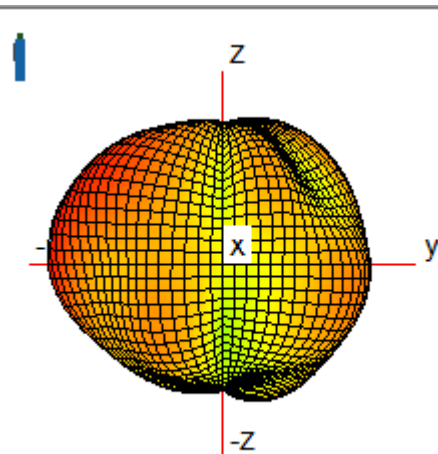


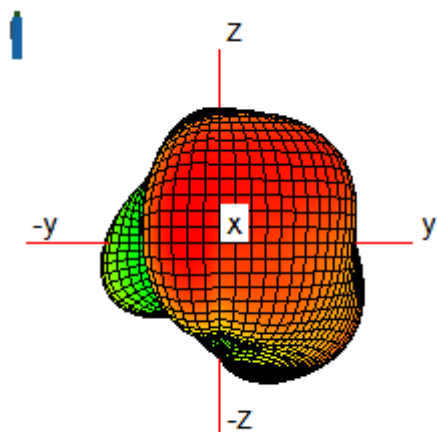
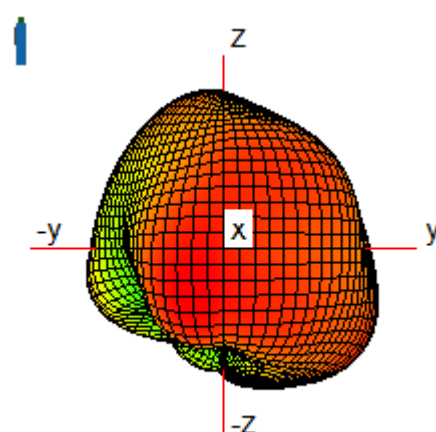
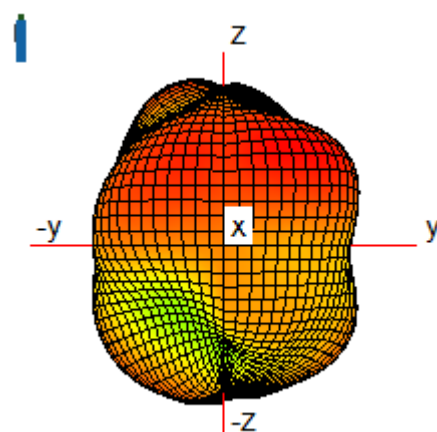
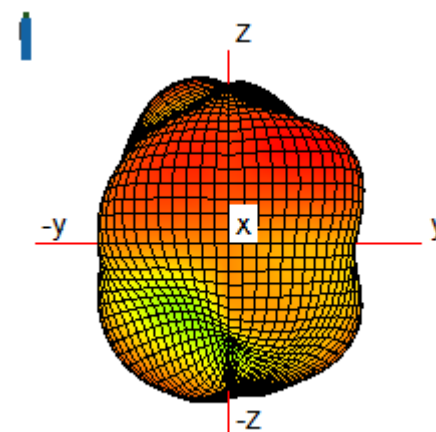
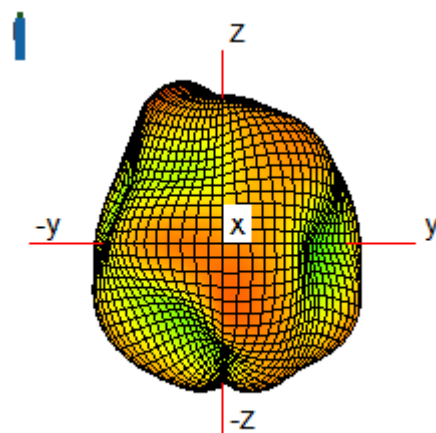
LTEB20

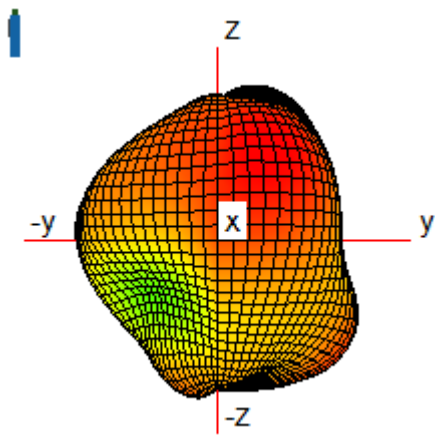
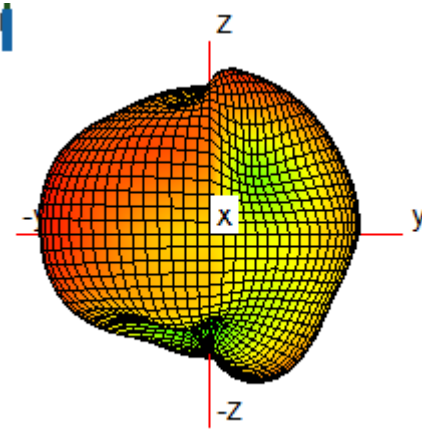
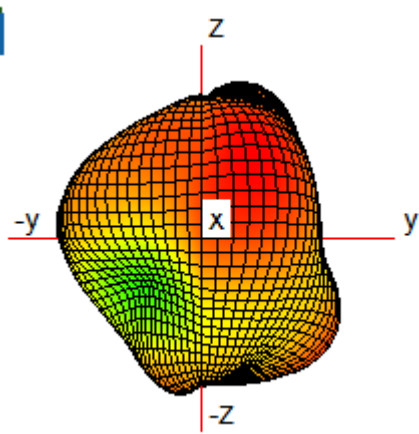
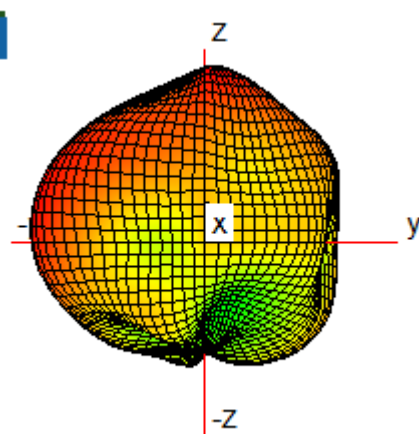
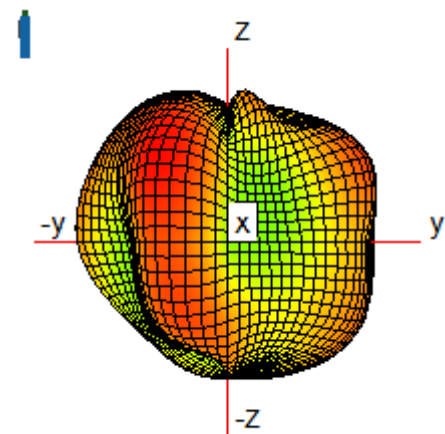
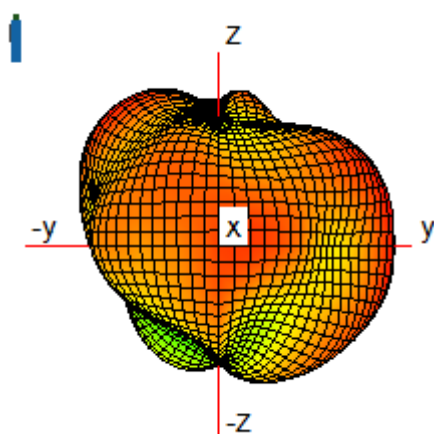


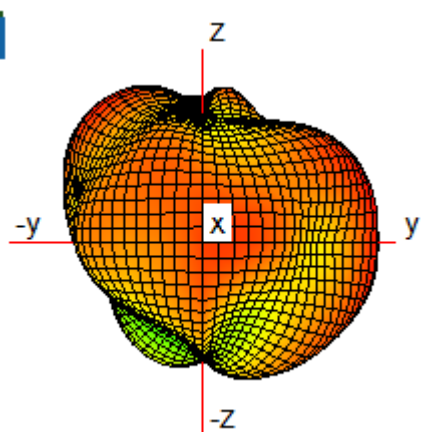
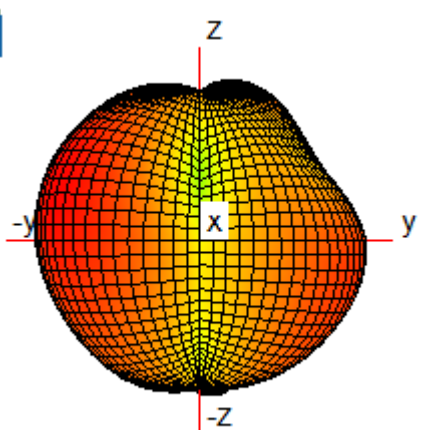
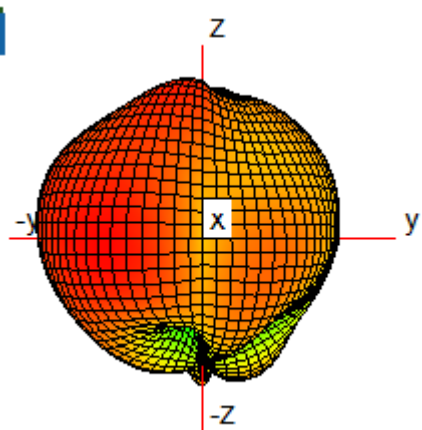
GSM900/WB8/LTEB8

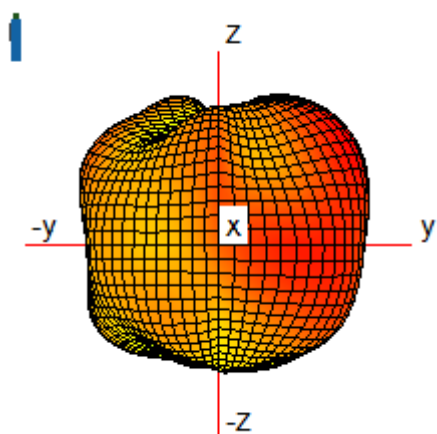
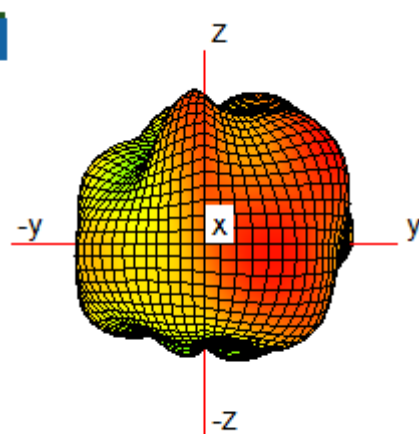
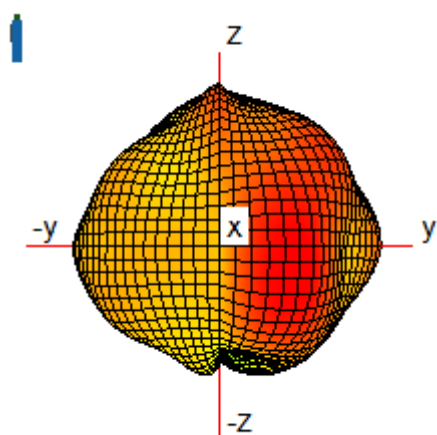
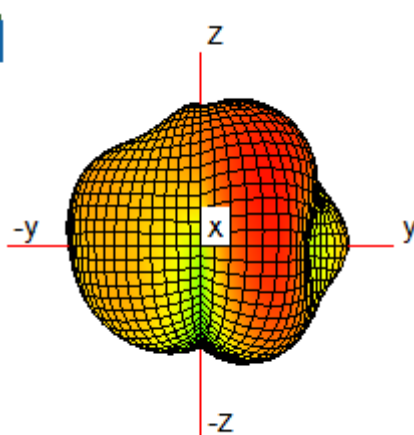


GSM1800/WB4/LTEB3/B4/B66**LTEB7/41****GSM1900/WB2/LTEB2/B25****WB1/LTEB1****LTEB40****LTEB38**

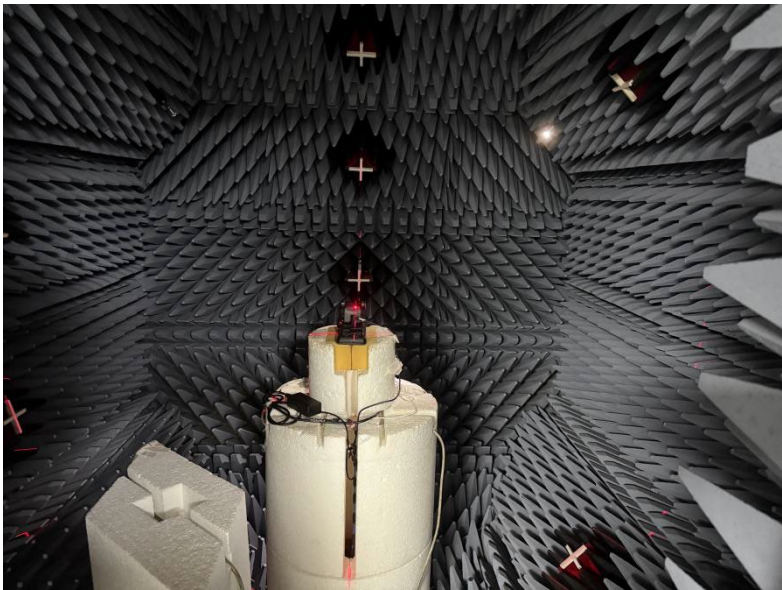
Div Antenna:**LTEB12/B17****LTEB28****GSM850/WB5/LTEB5/B26****WB19/LTEB18/B19****LTEB20**

GSM900/WB8/LTEB8**GSM1800/WB4/LTEB3/B4/B66****GSM1900/WB2/LTEB2/B25****WB1/LTEB1****LTEB40****LTEB38**

LTEB7/41**WCN Antenna:****1575MHZ****2400~2483.5MHz**

5150~5250MHz**5250~5350MHz****5350~5725MHz****5725~5850MHz**

4. Test setup



5. Equipment list

test item	test device	Cal. Date	Cal. due. Date
S11、S12、VSWR、LOSS、Efficiency、Gain 3D Radiation Pattern	网络分析仪E5071C	2026/3/17	2027/3/16
Efficiency、Gain 3D Radiation Pattern、TRP、TIS	Satimo SG24暗室	2026/3/18	2027/3/17
Efficiency、Gain 3D Radiation Pattern、TRP、TIS	GTS2800	2026/3/24	2027/3/23
TRP、TIS	CMW500	2026/3/12	2027/3/11
TRP、TIS	SP9500	2026/3/14	2027/3/13
SAR&HAC	SAR 测试系统	2026/3/21	2026/12/20

