

Antenna Specification



Heyuan Xunwei Communication Technology Co., Ltd

RF:Zhong yiming

Date:2025.12.10

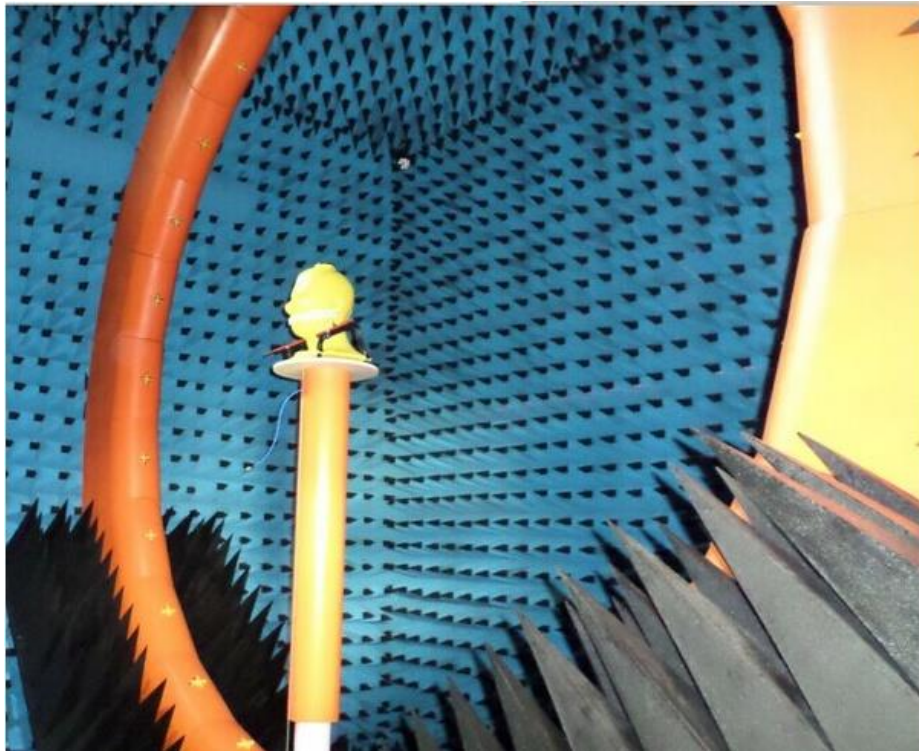
Office address: A316, Bldg. A, Languang Technology Bldg., No. 5 Xinx
Rd. W, Nanshan Dist., Shenzhen,

Test equipment

Wireless communications test set: CMW500

Network Analyzer: Agilent 5071B

Anechoic Chamber : SATIMO SG24

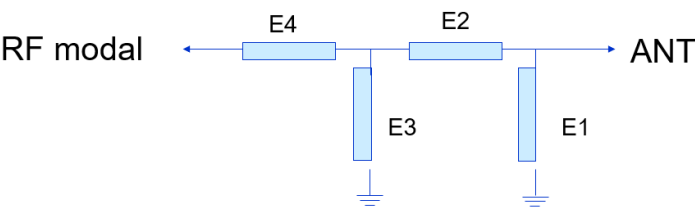


Antenna information

Customer	Boat of wealth
Antenna model	FPC
Antenna type	PIFA
Antenna band	GSM850/900/1800/1900 WCDMA- B1/B2/B4/B5/B8 LTE-B1/B2/B3/B4/B5/B7/B8/B12/B13/B17/B28AB/B40/B66/B71

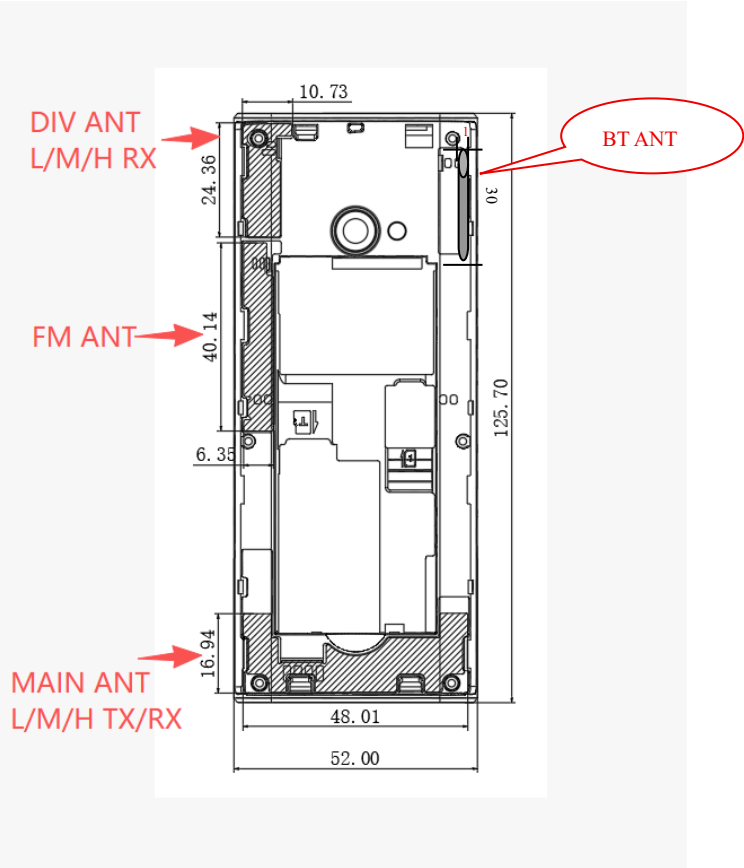
frequency range (MHz)	617-960	1710-2170	2500-2690
VSWR	<3.5	<3.5	<3.5

Matching circuit (No modification) :



Element	Value
E1	
E2	
E3	
E4	

Antenna location map(Unit: mm)





All of Implementation antenna

Main antenna(Antenna Label:A):

LTE LTE-B1/B2/B3/B4/B5/B7/B8/B12/B13/B17/B28AB/B40/B66/B71 RX&TX

WCDMA B1/B2/B4/B5/B8 RX&TX

GSM B2/B3/B5/B8 RX&TX

DIV antenna(Antenna Label:B):

LTE LTE-B1/B2/B3/B4/B5/B7/B8/B12/B13/B17/B28AB/B40/B66/B71 RX

WCDMA B1/B2/B4/B5/B8 RX

GSM B2/B3/B5/B8 RX

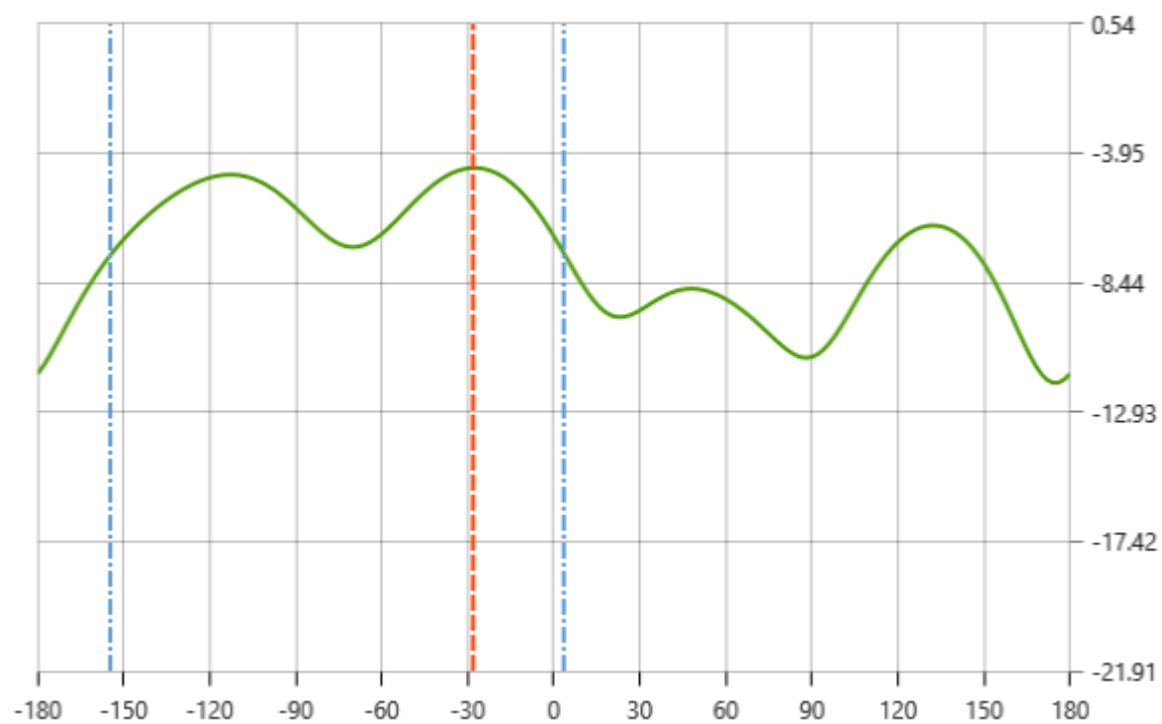
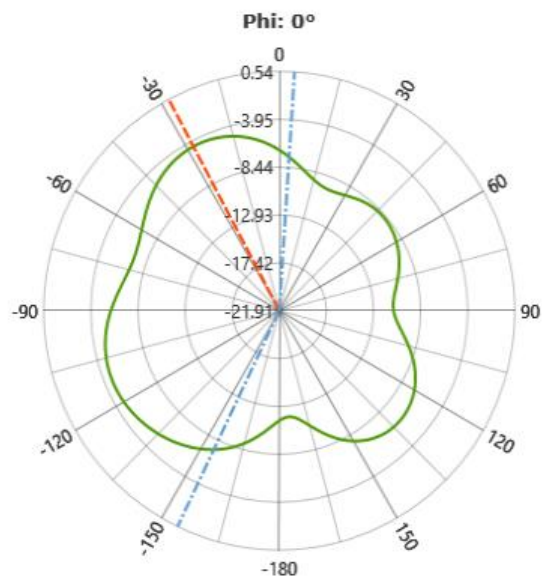
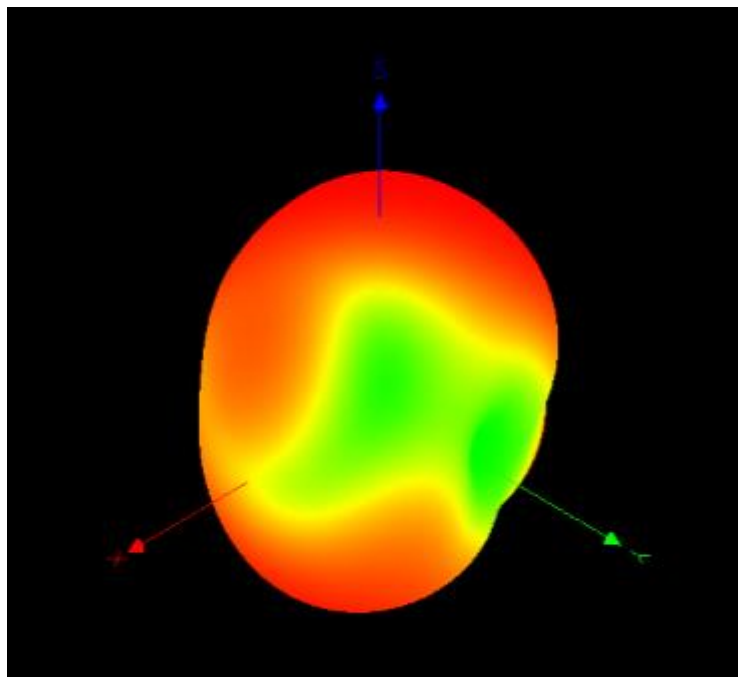
BT 2.4~2.5G/2412MHz~2472MHz

Antenna Max. Peak Gain:

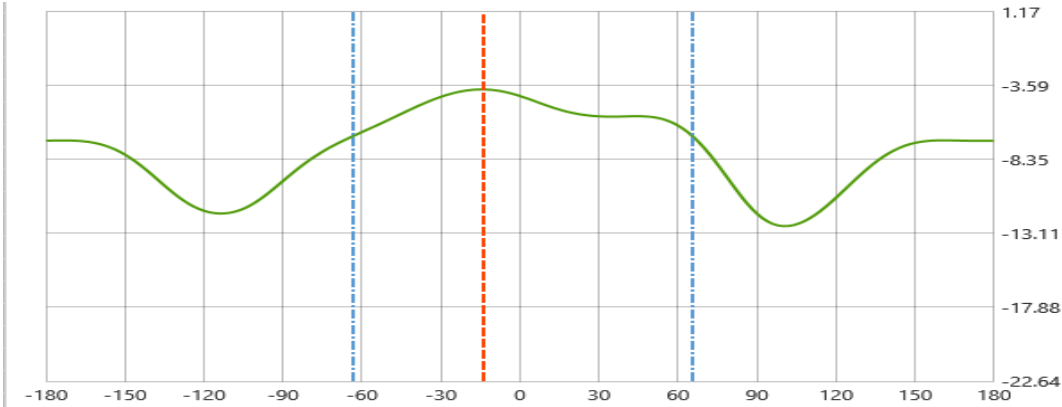
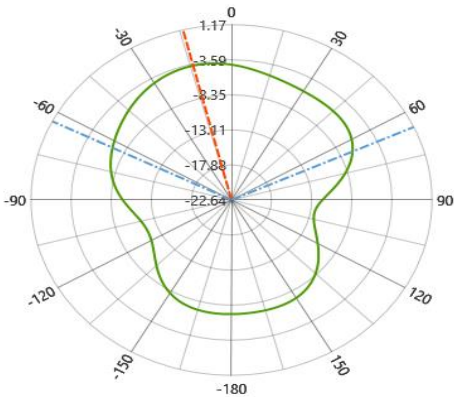
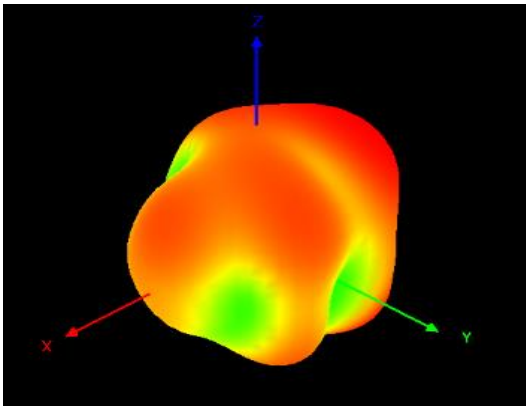
GSM850: -1.32dBi
EGSM900: -1.25dBi
DCS1800: -0.56dBi
PCS1900: -0.4dBi
WCDMA W1: -0.28dBi
WCDMA W2: -0.4dBi
WCDMA W4: -0.56dBi
WCDMA W5: -1.32dBi
WCDMA W8: -1.25dBi
LTE-B1: -0.28dBi
LTE-B2: -0.4dBi
LTE-B3: -0.56dBi
LTE-B4: -0.56dBi
LTE-B5: -1.32dBi
LTE-B7: 0.76dBi
LTE-B8: -1.25dBi
LTE-B12: -1.64dBi
LTE-B13: -1.71dBi
LTE-B17: -1.64dBi
LTE-B28: -1.73dBi
LTE-B66: -0.56dBi
LTE-B40: 0.5dBi
LTE-B71: -2.08dBi
BT: -1.65dBi

3. Antenna Apple Diagram

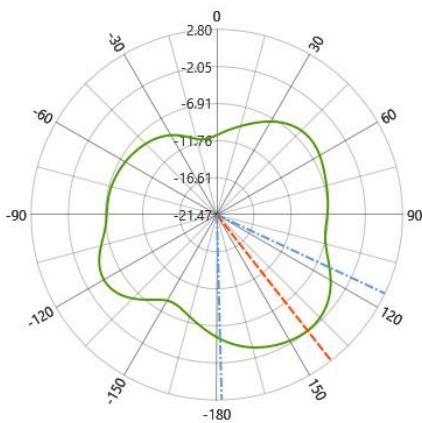
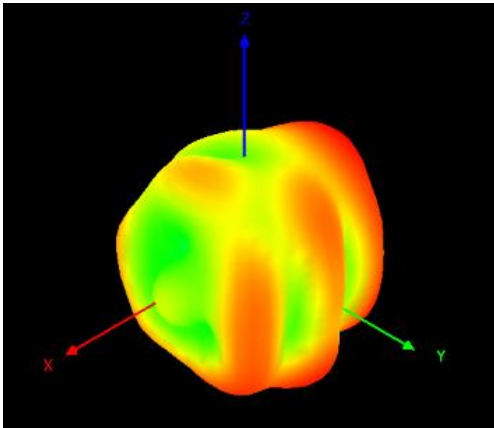
617MHZ~960MHZ

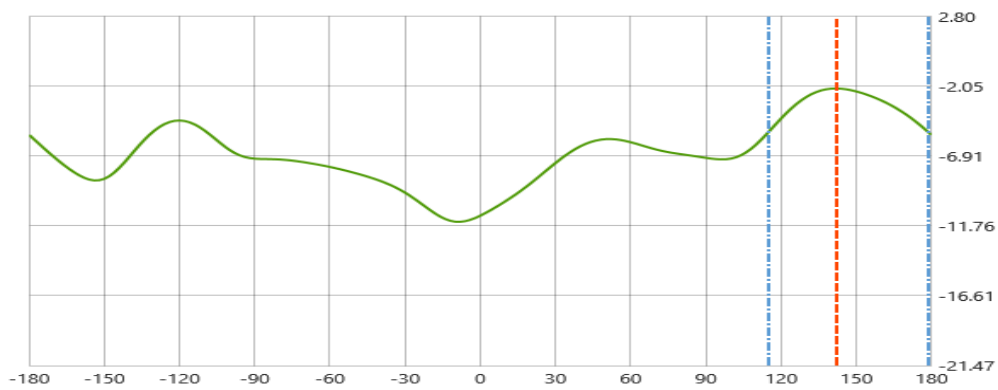


1710MHZ~2170MHZ

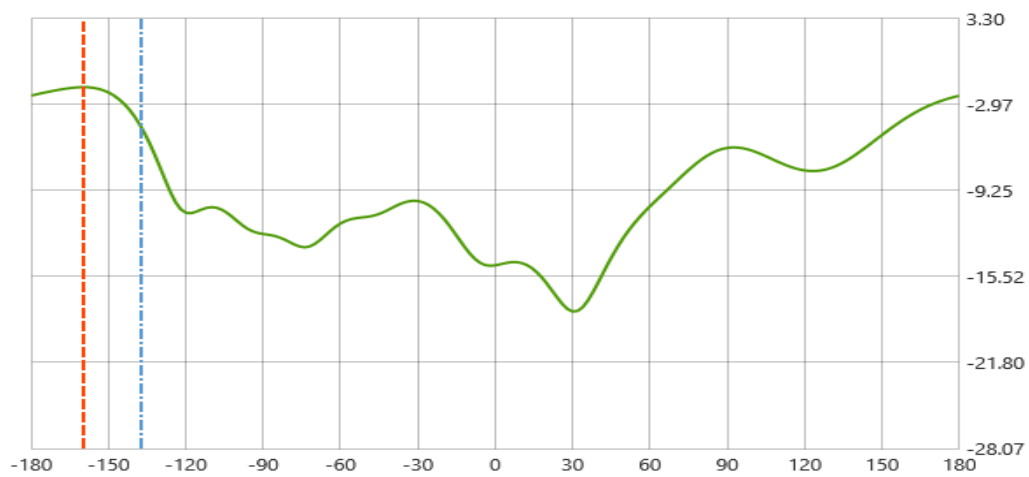
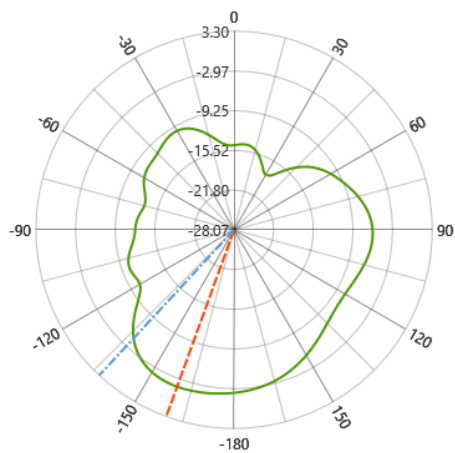
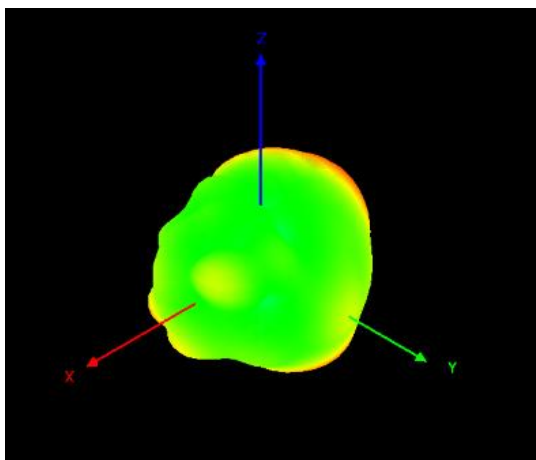


2300MHZ~2700MHZ

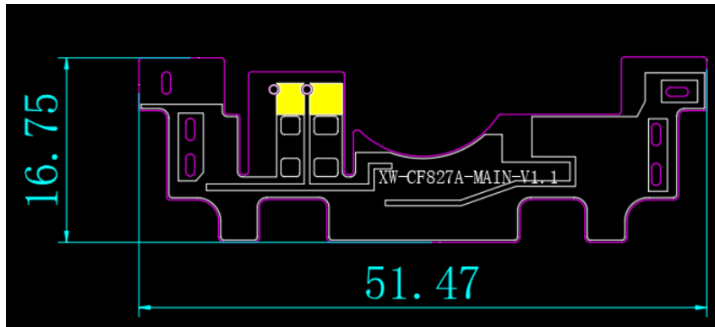




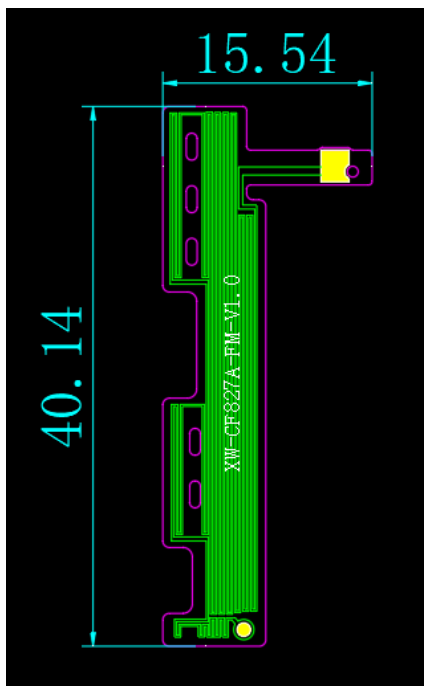
2400MHZ~2500MHZ (BT 2.4G)



Dimensional drawing of main antenna



Dimensional drawing of FM antenna



Dimensional drawing of diversity antenna

