

天线规格书



Mobile antenna test report

HEYUAN XUNWEI MICROWAVE
COMMUNICATION CO.,LTD

RF: kang guang qi

Date: 2023.02.01

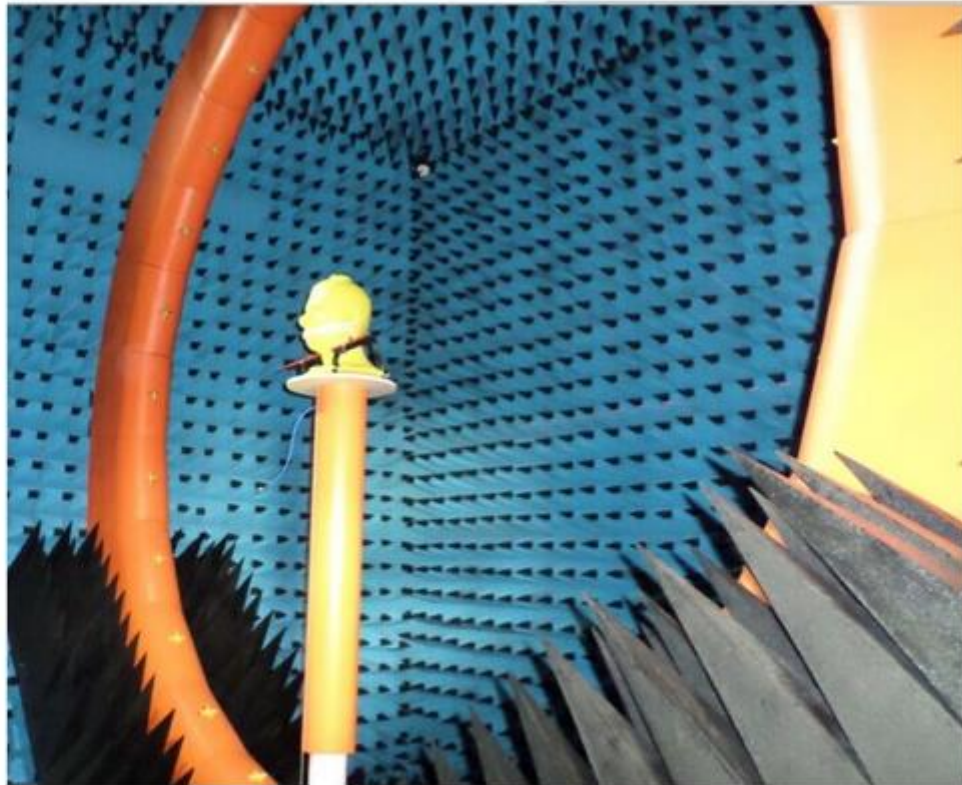
Office address: Zone M, 8/F, Building 1, Baisha New Industrial
Park, Nanshan District, Shenzhen

Test equipment

Wireless communications test set: CMW500

Network Analyzer: Agilent 5071B

Anechoic Chamber : SATIMO SG24

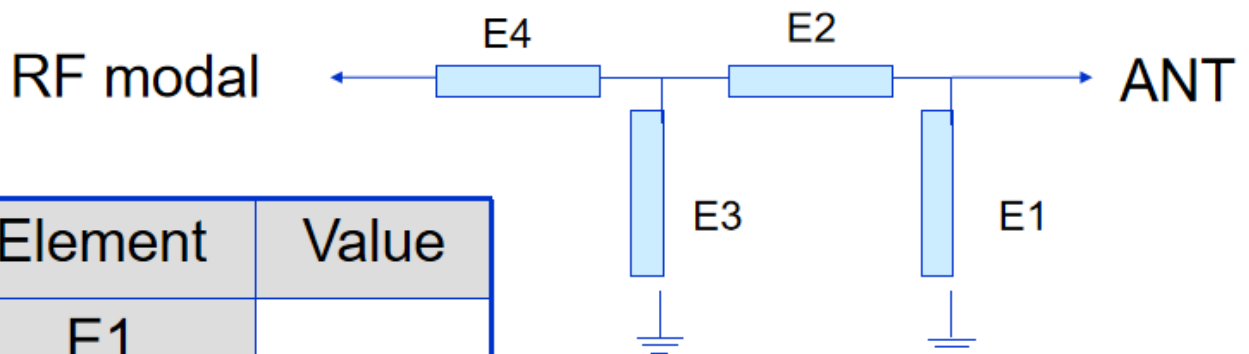


Antenna information

Customer	Boat of wealth	
Antenna model	FPC	
Antenna type	PIFA	

frequency range (MHz)	704mhz-960mhz	1710mhz-2690mhz
VSWR	<3.5	<3.5

Matching circuit (No modification)



Element	Value
E1	
E2	
E3	
E4	

1. Antenna position



All of Implementation antenna

Main antenna(Antenna Label:A):

LTE FDD B5/B12/B17/B28A/B28B/ RX&TX ,

WCDMA B5/B8 RX&TX

GSM B5/B8 RX&TX

DIV antenna(Antenna Label:B):

LTE FDD B1/B2/B3/B4/B7/B66 RX&TX

WCDMA B1/B2/B4 RX&TX

GSM B2/B3 RX&TX

GPS/WiFi/BT 2.4G 2412MHz~2472MHz& GPS: 1570 MHz~1620 MHz

WiFi 5G 5100MHz~5800MHz

2. Antenna Max. Peak Gain:

EGSM900:-0.98dBi

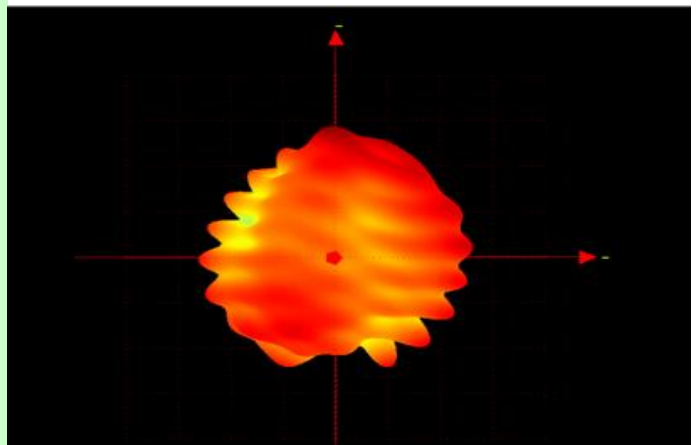
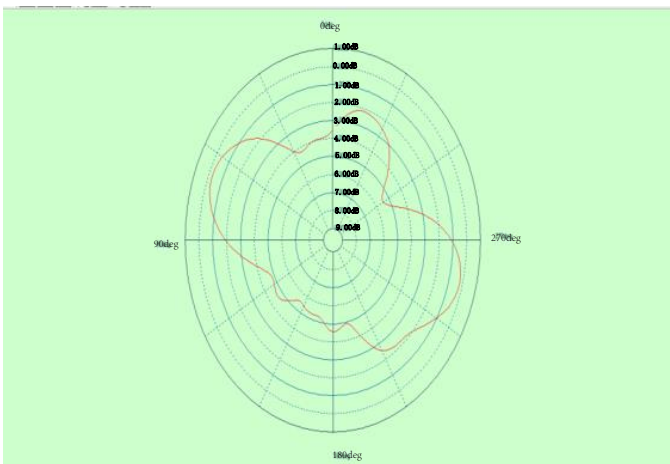
GSM850: -0.91dBi

DCS1800: -0.65dBi

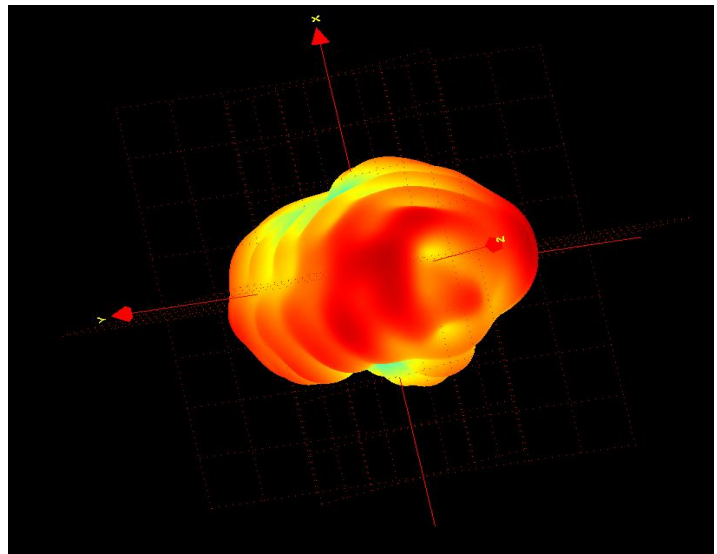
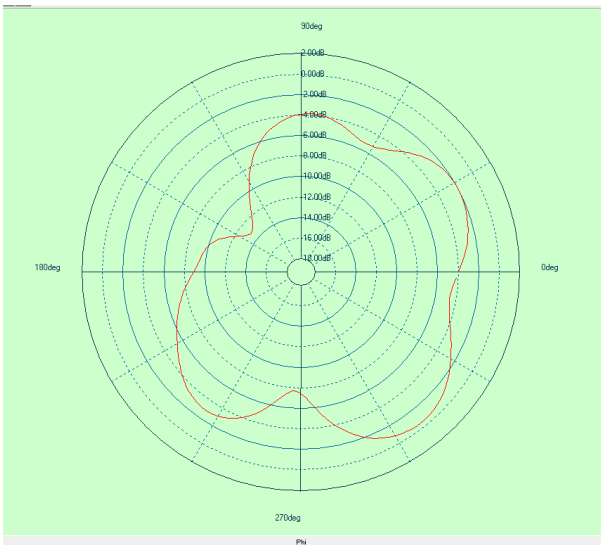
PCS1900: -0.59dBi
WCDMA-B1: -0.31dBi
WCDMA-B2: -0.40dBi
WCDMA-B4: -0.63dBi
WCDMA-B5: -0.91dBi
WCDMA-B8: -0.98dBi
LTE-B1: -0.31dBi
LTE-B2: -0.40dBi
LTE-B3: -0.65dBi
LTE-B4: -0.63dBi
LTE-B5: -0.91dBi
LTE-B7: -0.69dBi
LTE-B12: -0.93dBi
LTE-B17: -0.98dBi
LTE-B28: -0.93dBi
LTE-B66: -0.71dBi
2. 4G-WIFI/BT: -0.53dBi
5G-WIFI: -0.86dBi
GPS: -1.1dBi

3. 2D,3D picture unit (dBi)

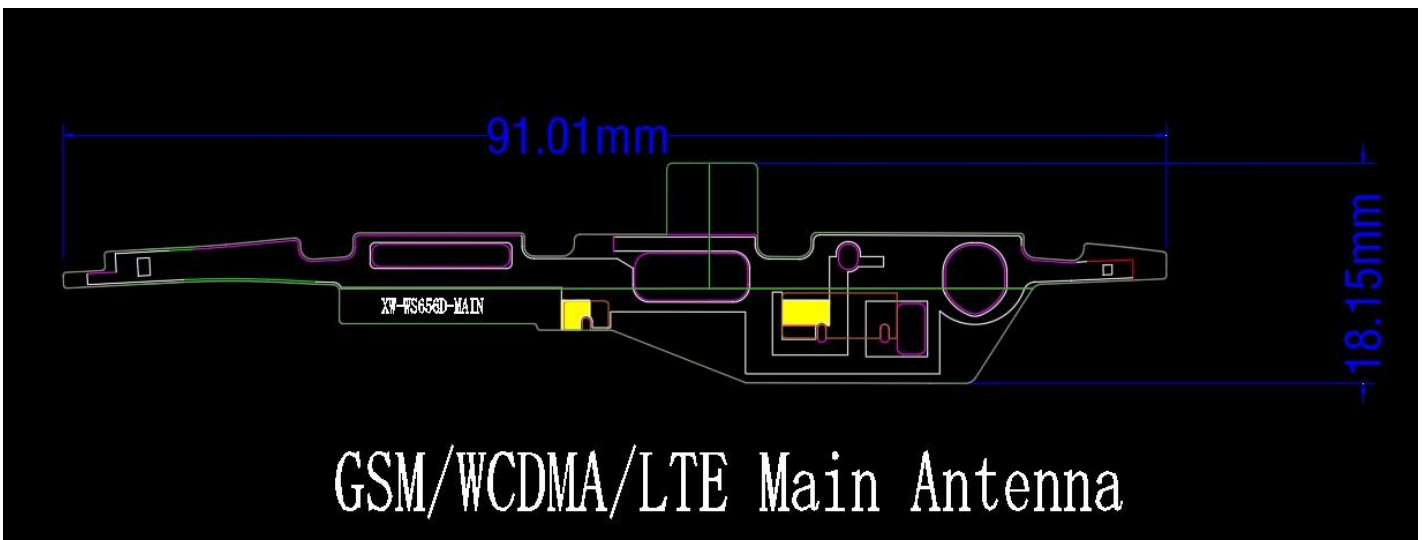
2400MHZ~2500MHZ (BT/WIFI 2. 4G) Worst case frequency 2440MHz



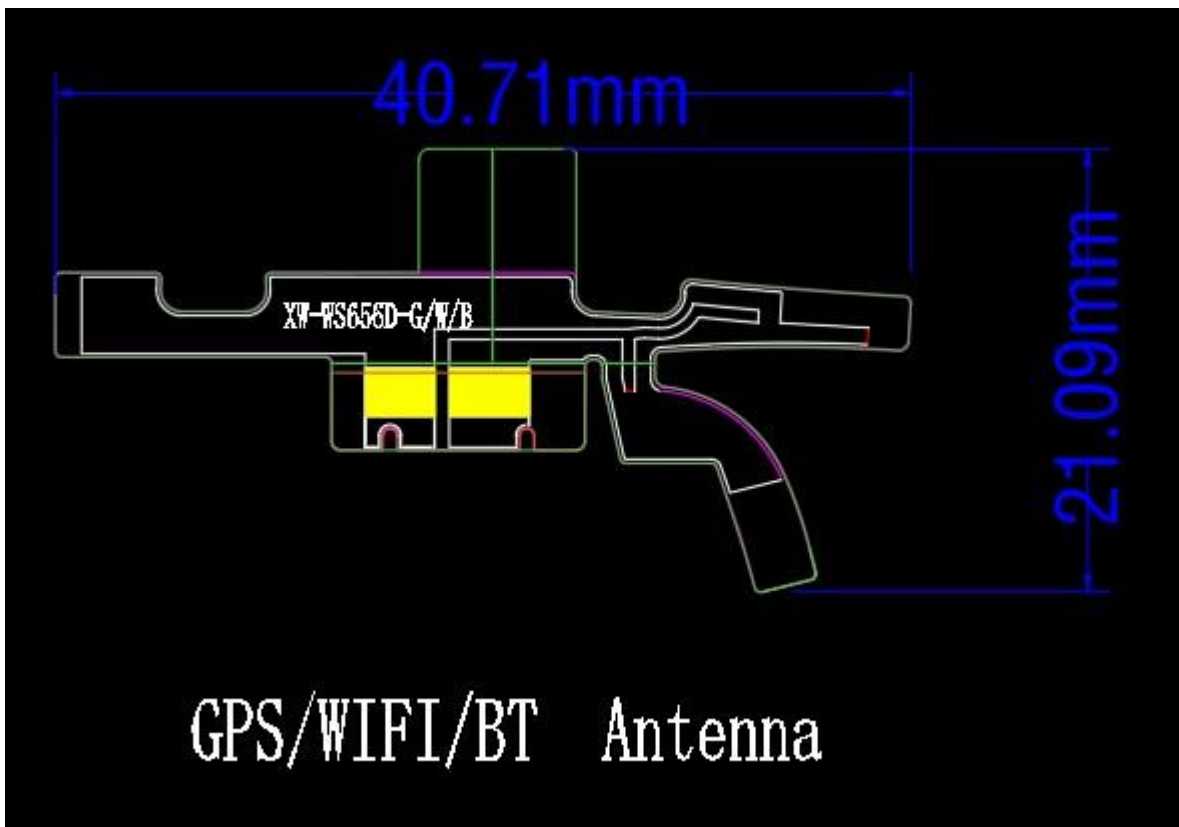
5100MHZ~5800MHZ (WIFI 5G) Worst case frequency 5500MHz



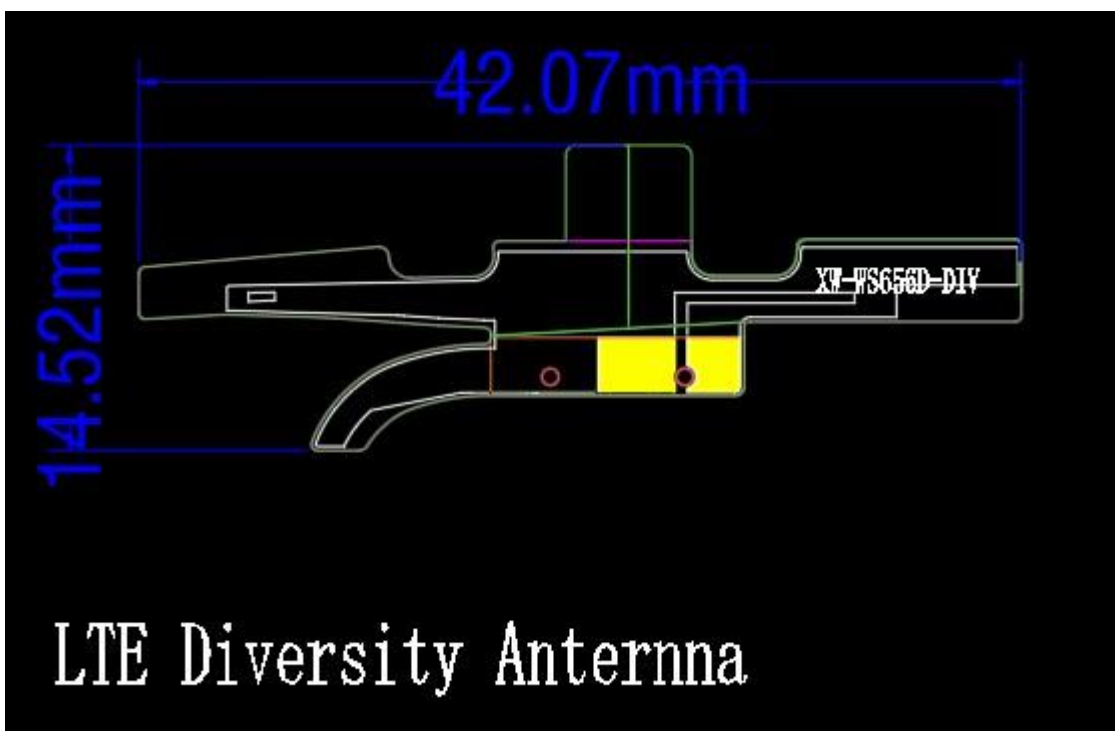
Dimensional drawing of main antenna



Dimensional drawing of GPS/WIFI/BT antenna



Dimensional drawing of diversity antenna



Dimensional drawing of NFC antenna

