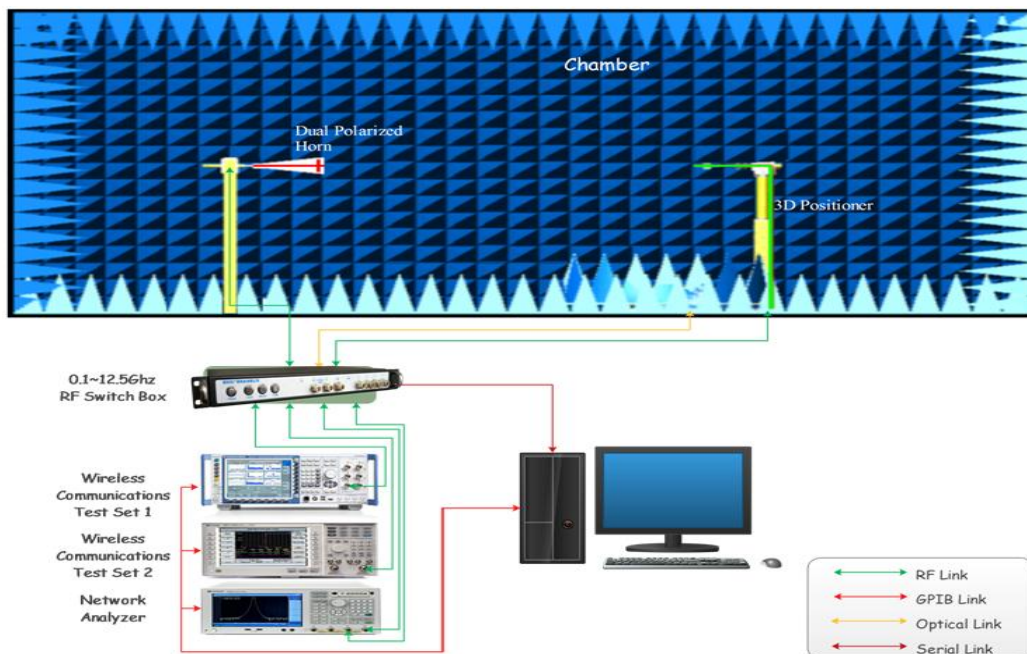




# WS622 antenna report

<b>Test Address</b>	Shenzhen3Good Wireless Communications CO.,LTD Room501,Jinfulai Building,No.49-1,Dabao Road,Baoan District,Shenzhen
<b>Test Date</b>	July 5, 2023
<b>TestInstrument</b>	vector network analyzer -Agilent Technologies E5071B

## Facility description Measurement procedure

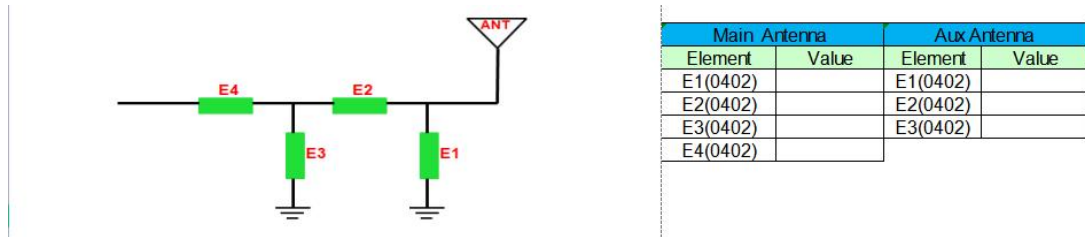




## Antenna information

Customer	Boat of wealth
Antenna Model	FPC
Antenna Type	LOOP

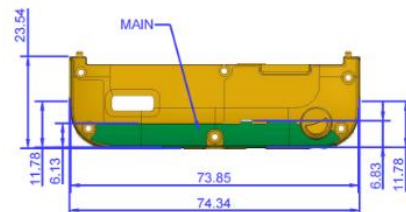
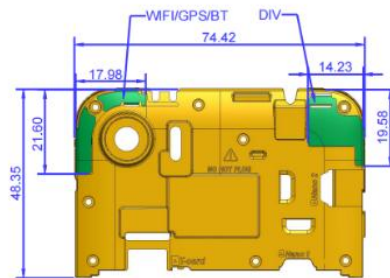
## Matching circuits



## Passive performance figure

Frequency(MHZ)	617~960	1710~2690
VSWR	< 3.5	< 3.5

## Antenna position picture





All of Implementation antenna  
Main antenna(Antenna Label:A):

LTE B5/B12/B17/B41/B71 RX&TX

WCDMA B5/B8 RX&TX

GSM B5/B8 RX&TX

DIV antenna(Antenna Label:B):

LTE B2/B4/B66 RX&TX

WCDMA B2 RX&TX

GSM B2/B3 RX&TX

WiFi-B/BT 2.4~2.5GHZ/GPS: 1575.42 MHz ;

**Antenna Max. Peak Gain:**

EGSM900:-0.4dBi

GSM850: -1.3dBi

DCS1800: -1dBi

PCS1900: 0.4dBi

WCDMA1900:0.4dBi

WCDMA900: -0.4dBi

WCDMA850: -1.3dBi

LTE-B2: 0.4dBi

LTE-B4: -1dBi

LTE-B5: -1.3dBi

LTE-B12: -2.4dBi

LTE-B17: -2.4dBi

LTE-B66: -1dBi

LTE-B71: -3.3dBi

LTE-B41: -1dBi

WIFI-B/BT: -0.2dBi

GPS: -0.5dBi

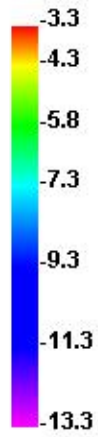
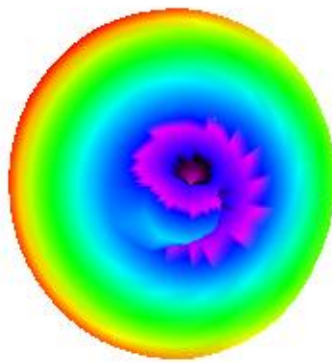
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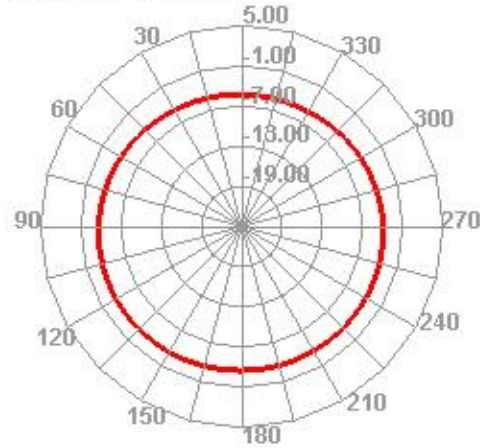
### 3-D Patten Plots

Main antenna

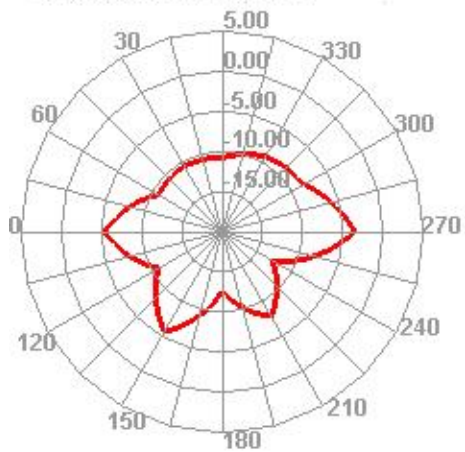
660.000MHz



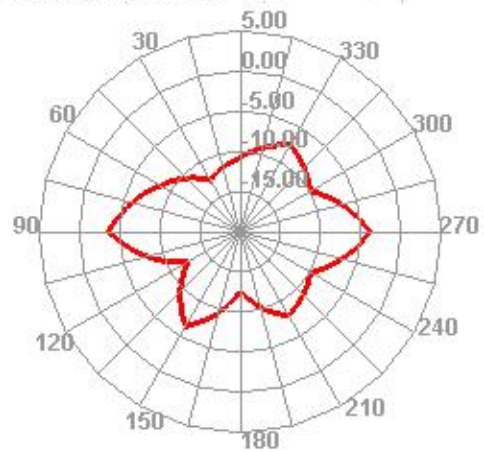
660.000MHz H



660.000MHz E1

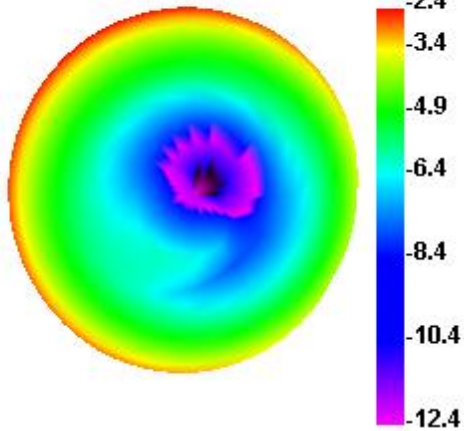


660.000MHz E2

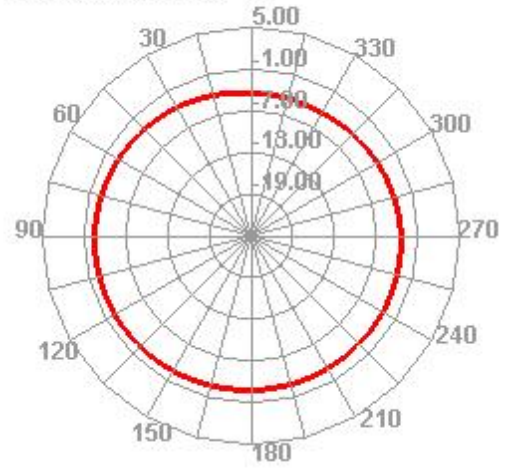




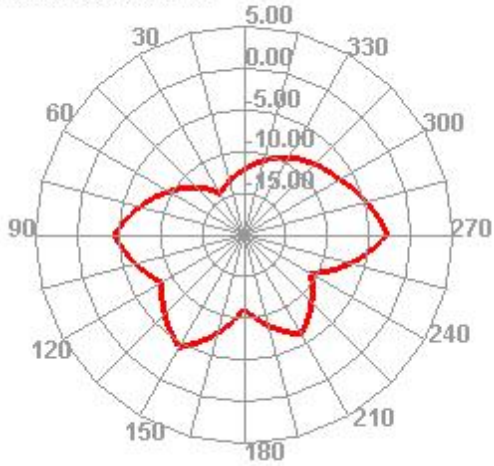
730.000MHz



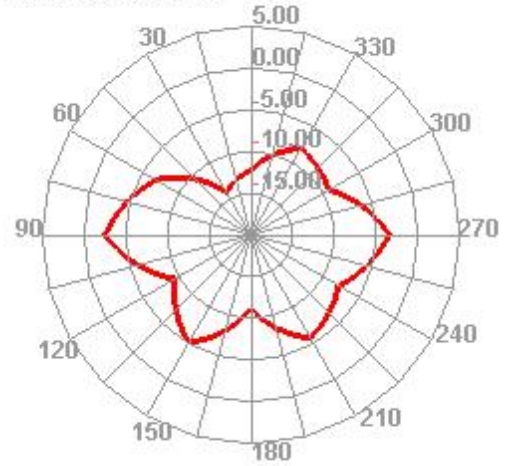
730.000MHz H



730.000MHz E1

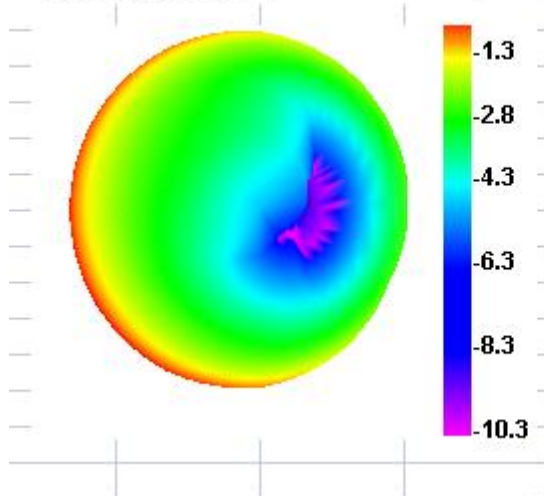


730.000MHz E2

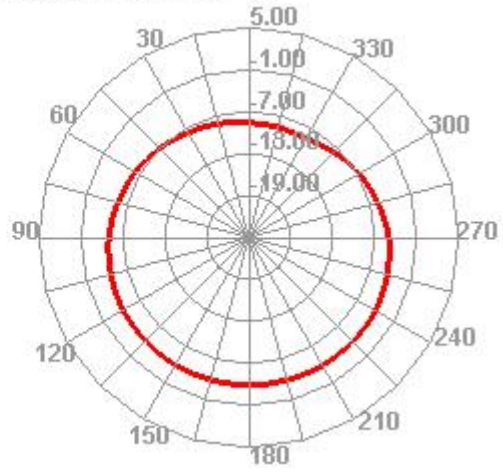




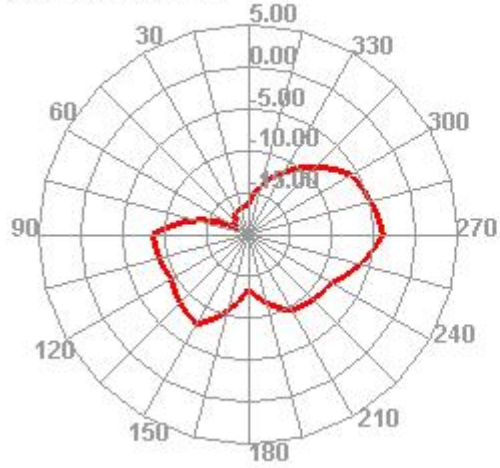
850.000MHz



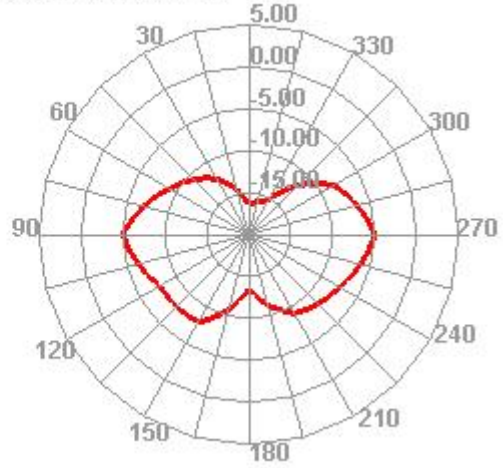
850.000MHz H



350.000MHz E1

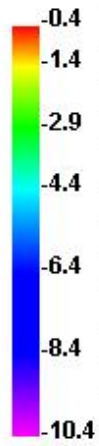
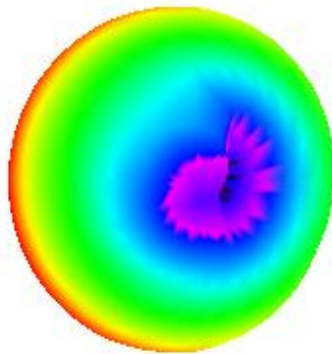


850.000MHz E2

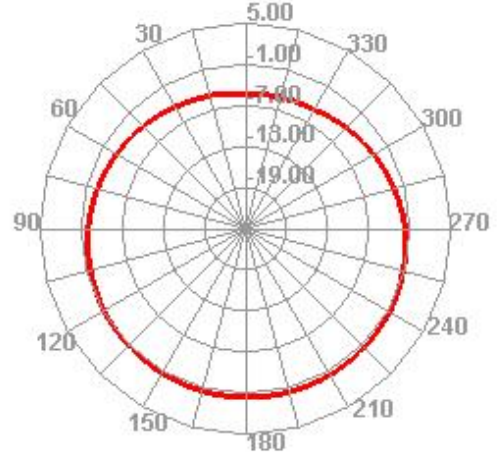




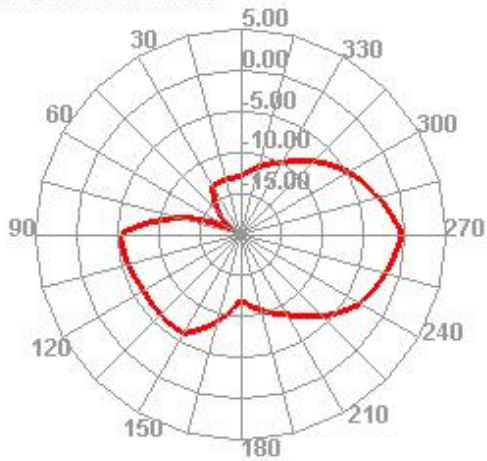
900.000MHz



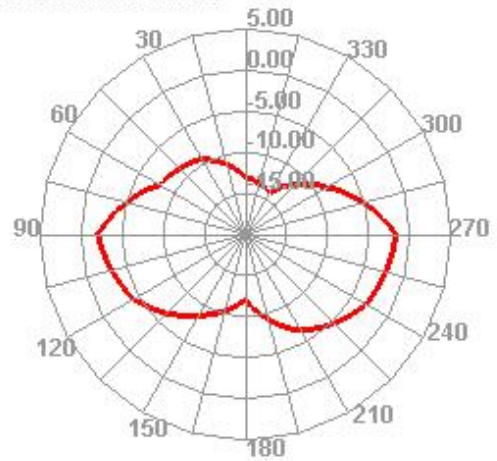
900.000MHz H



900.000MHz E1



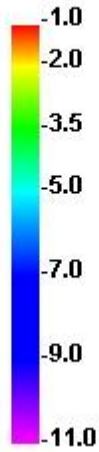
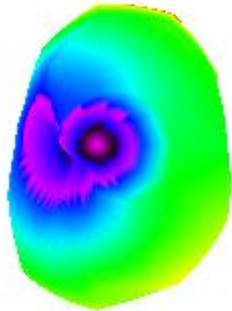
900.000MHz E2



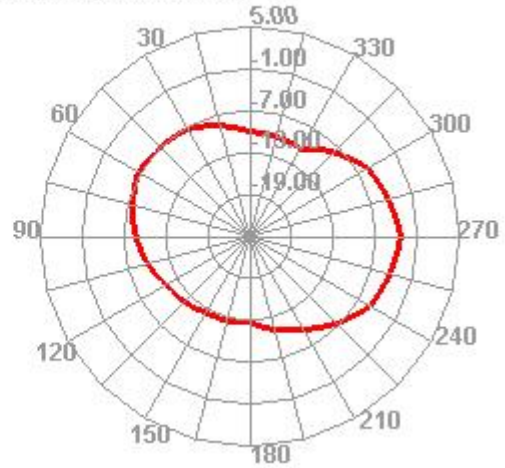


DIV antenna

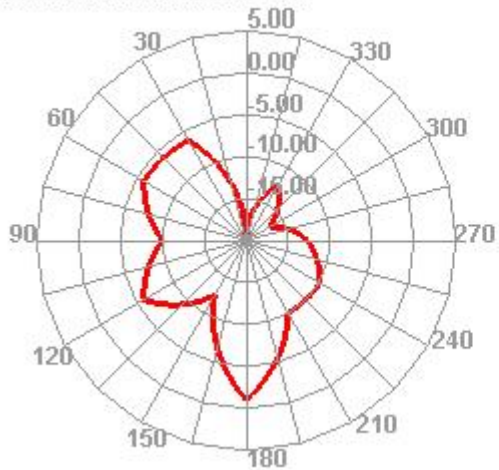
1800.000MHz



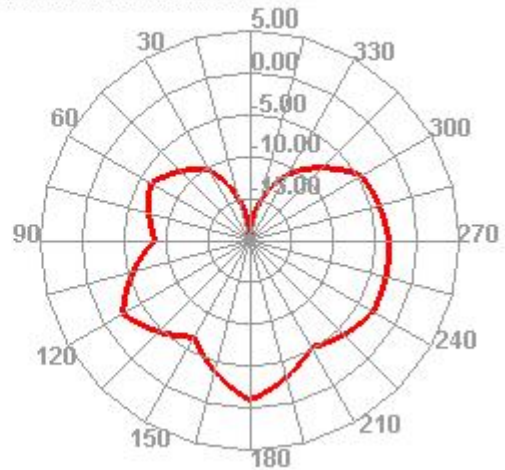
1800.000MHz H



1800.000MHz E1



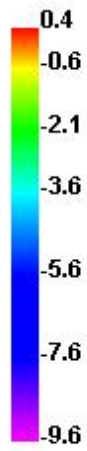
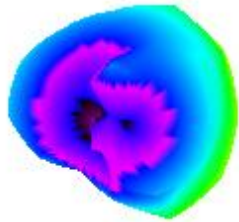
1800.000MHz E2



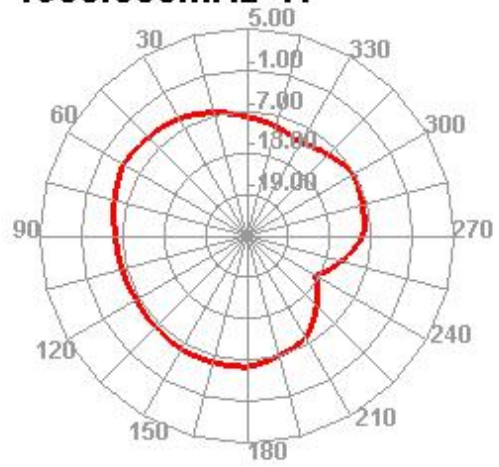




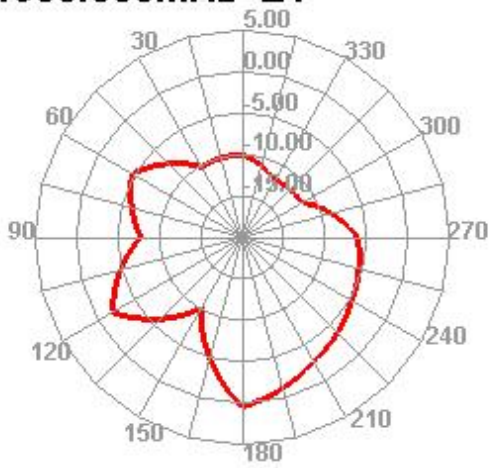
1900.000MHz



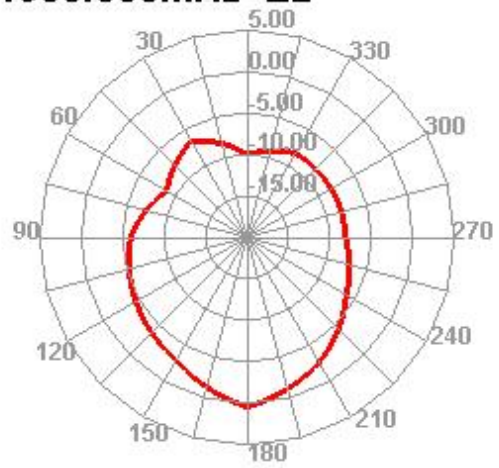
1900.000MHz H



1900.000MHz E1

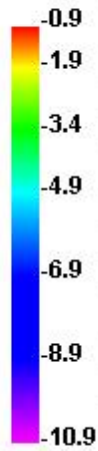
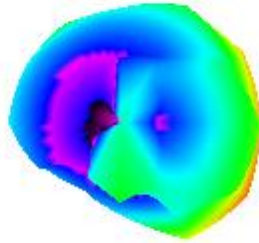


1900.000MHz E2

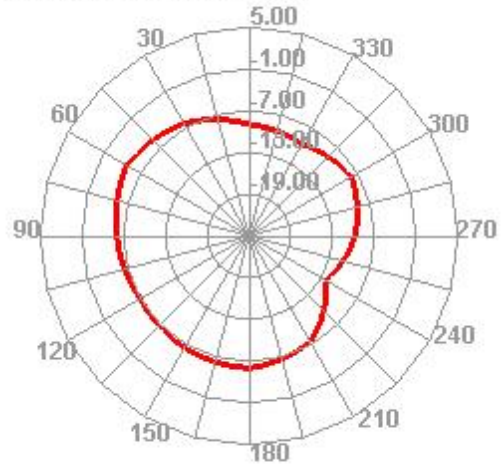




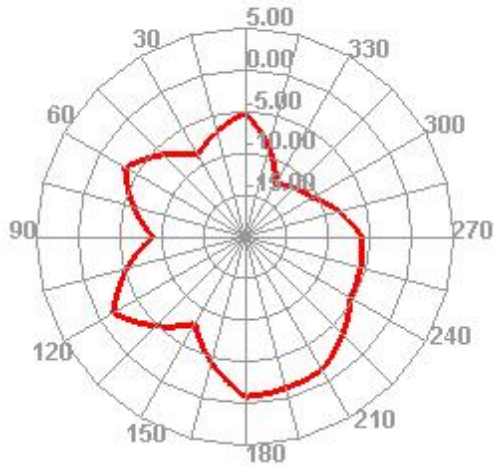
2100.000MHz



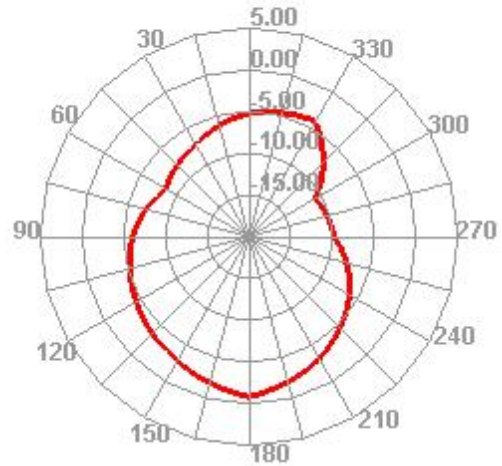
2100.000MHz H



2100.000MHz E1

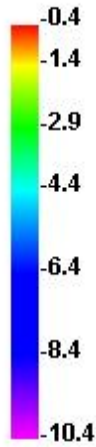
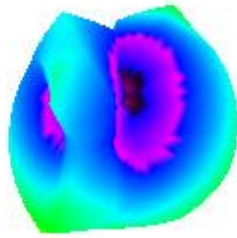


2100.000MHz E2

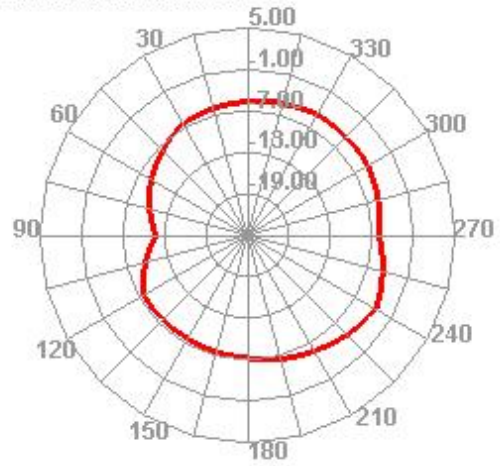




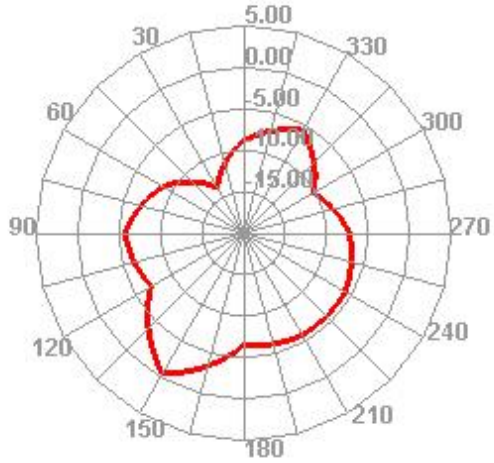
2500.000MHz



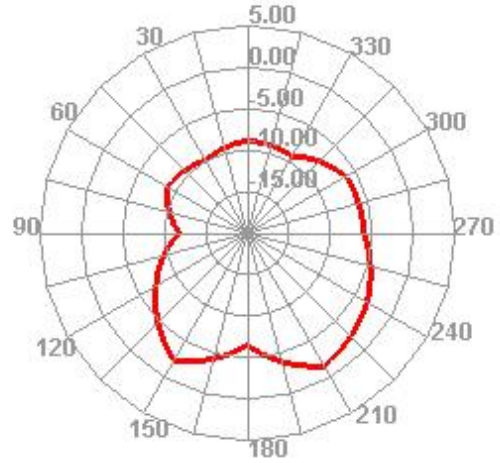
2500.000MHz H



2500.000MHz E1

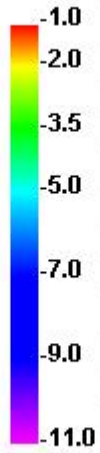
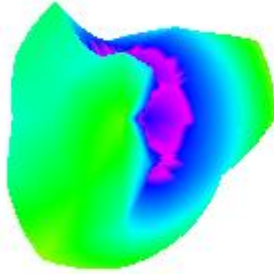


2500.000MHz E2

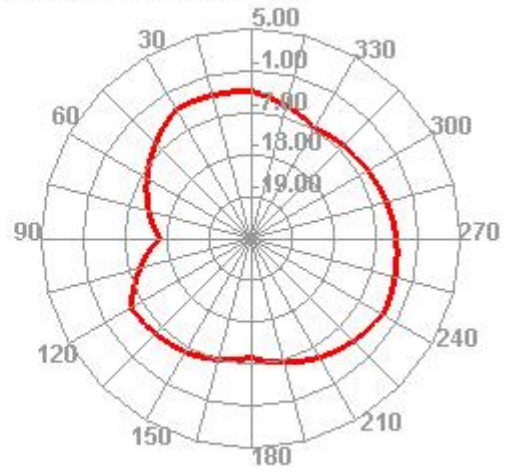




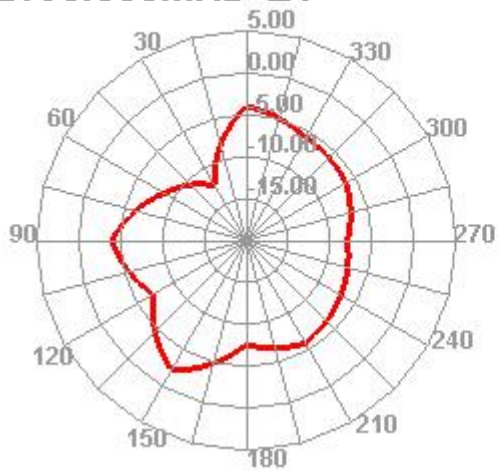
2690.000MHz



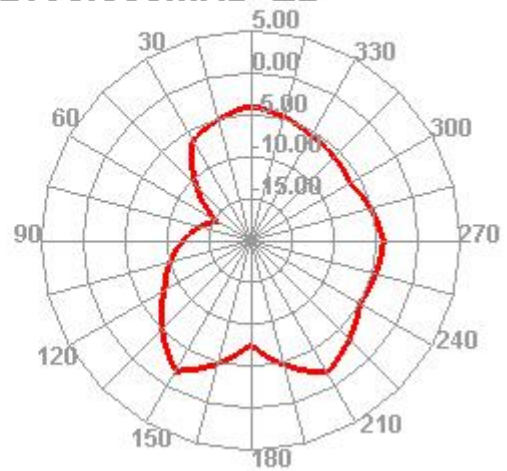
2690.000MHz H



2690.000MHz E1



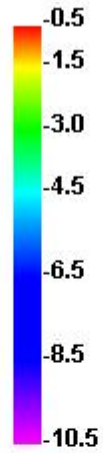
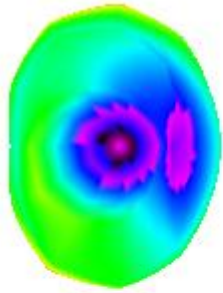
2690.000MHz E2



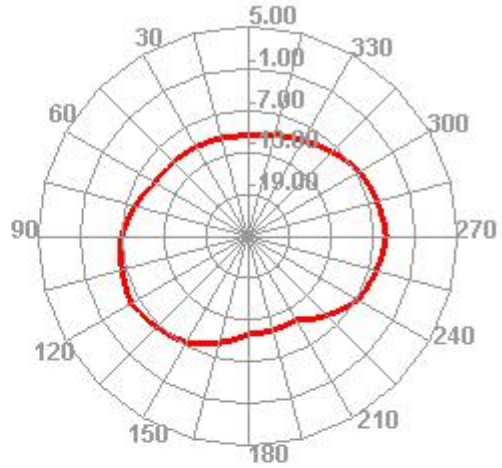


G/W/B ANT

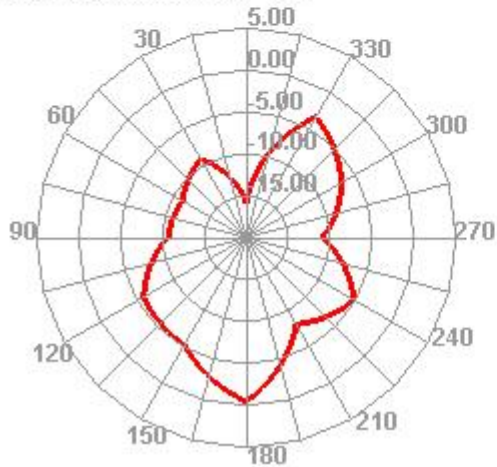
1575.000MHz



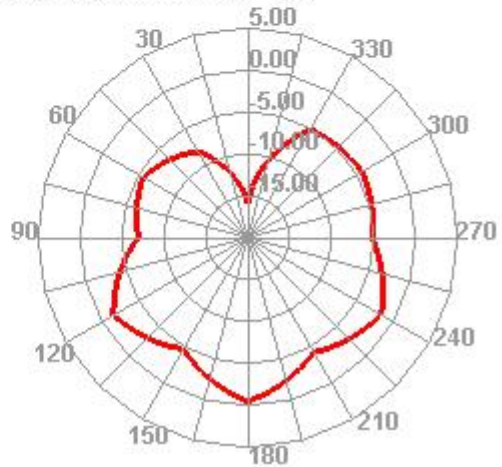
1575.000MHz H



1575.000MHz E1

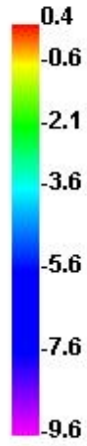
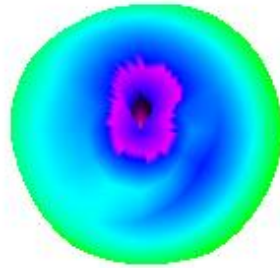


1575.000MHz E2

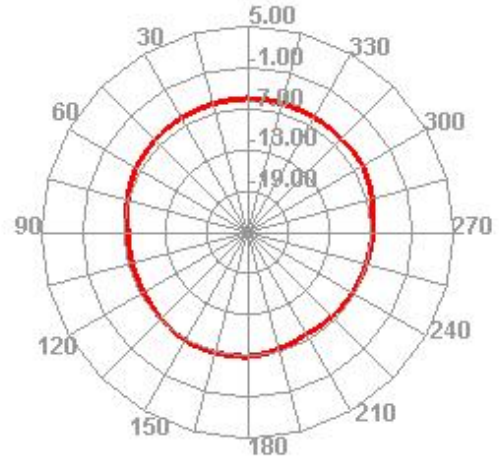




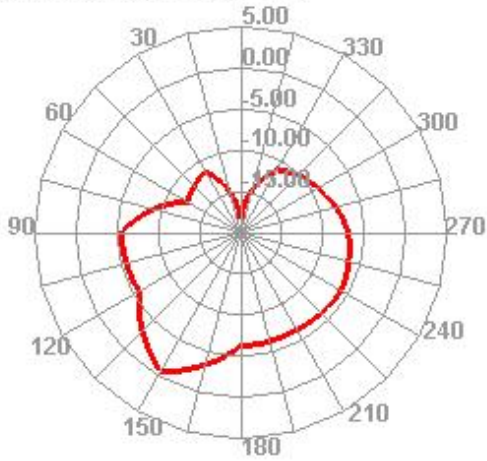
2400.000MHz



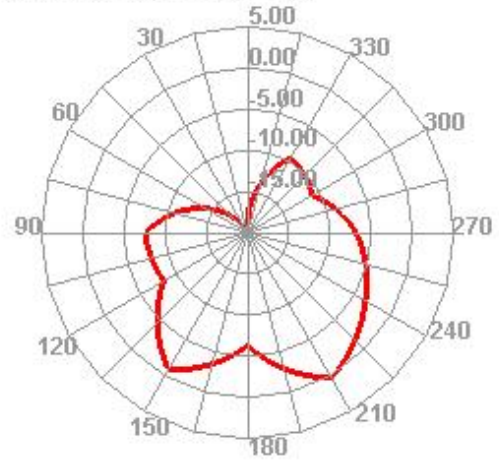
2400.000MHz H



2400.000MHz E1

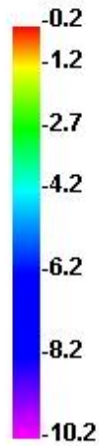
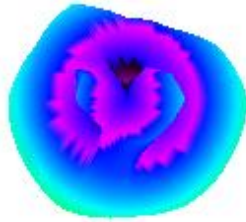


2400.000MHz E2

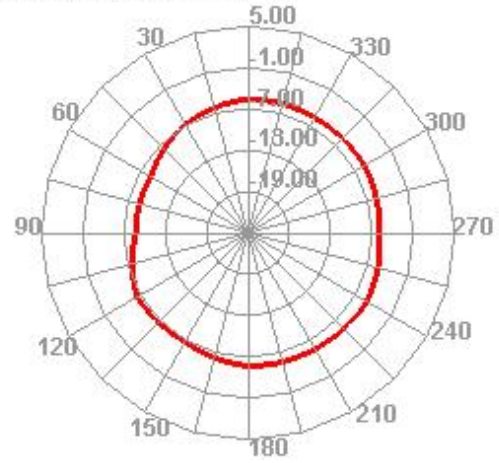




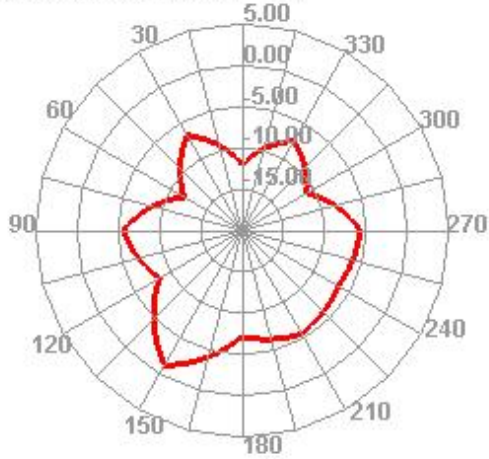
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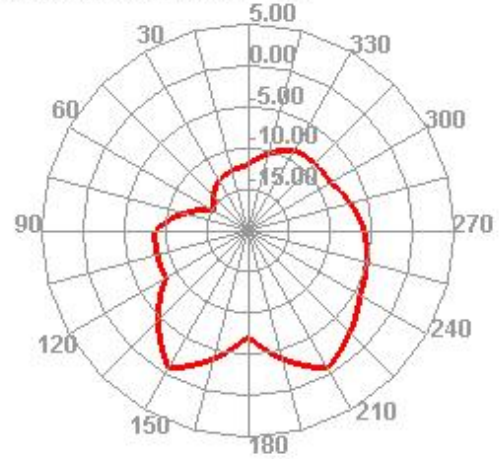
2500.000MHz H



2500.000MHz E1



2500.000MHz E2



test engineer: *Xicao hui*