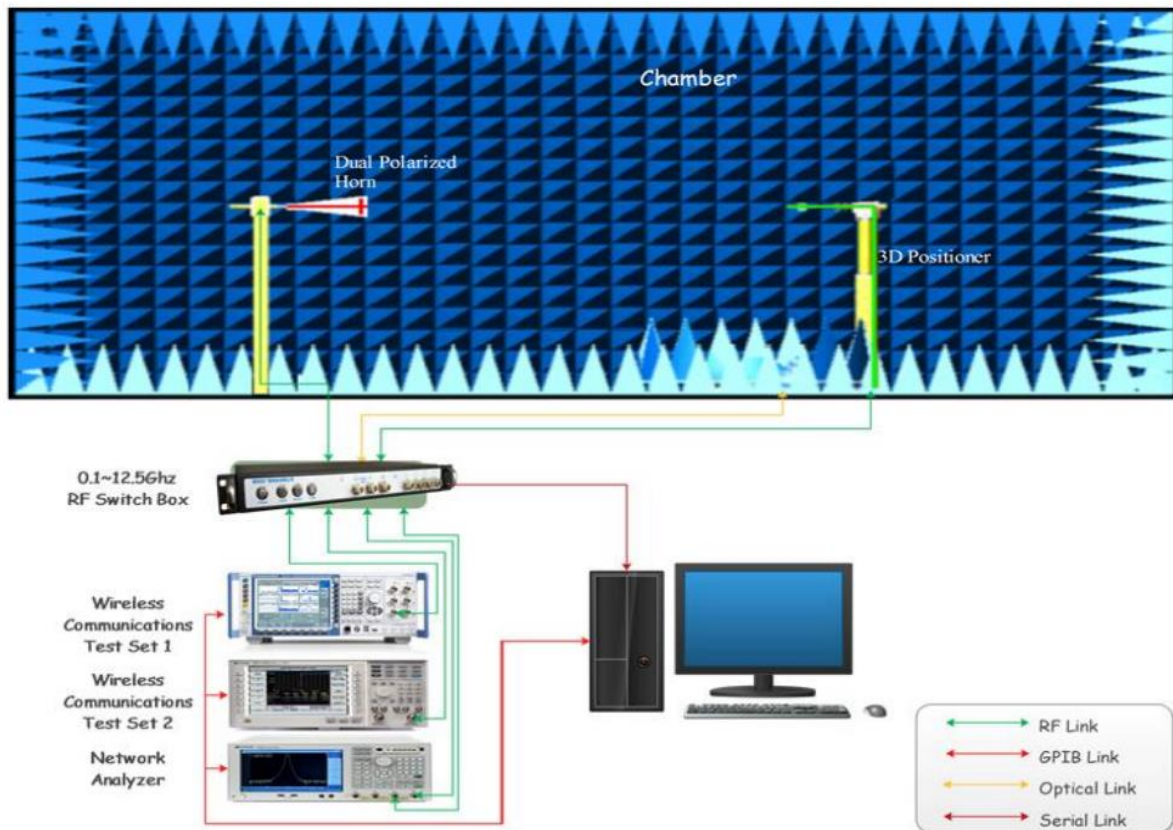


# S66621 antenna report

<b>Facility Test Address</b>	Shenzhen3Good Wireless Communications CO.,LTD Room501,Jinfulai Building,No.49- 1,Dabao Road,Baoan District,Shenzhen
<b>Test Date</b>	March 21(th), 2024
<b>Test Instrument</b>	vector network analyzer -Agilent Technologies E5071B

## Option Measurement procedure





### Antenna information:

Customer	Boat of wealth
Antenna Model	FPC
Antenna Type	PIFA

### Matching circuits:

#### Small plate antenna matching:

L920: 7.5nH      L911: 0Ω  
R910: 7.5pF      L912: 2.7nH  
L921: NC          L914: 6.8nH  
R2: 0Ω            L913: NC

#### 3-in-1 antenna matching:

R7210: 0Ω  
R7200: 0Ω  
R7202: 0Ω

#### Diversity antenna matching:

R0804: 0Ω

### Passive performance figure:

Frequency(MHZ)	703~960	1710~2690
VSWR	<3.5	<3.5

### Antenna position picture

#### The S66621 small plate switch configuration is as follows:

RF1- L911, 0Ω : Control the operating frequency band GSM900/ DCS1800/PCS1900+W-B1/B2/B4/B8+LTE-B1/B2/B3/B4/B7/B8 (TX&RX)  
RF2- L912, 2.7nH: Control the operating frequency band GSM850+W-B5+LTE-B5/B20 (TX&RX)  
RF3- L914, 6.8nH: Control the operating frequency band LTE-28AB/B40/41 (TX&RX)  
RF4- L913 ,NC: not



### Main Antenna Max. Peak Gain:

GSM850: -2.7dBi  
EGSM900:- 2.9dBi  
DCS1800:0.3dBi  
PCS1900:0.1dBi  
WCDMA-B1:0.1dBi  
WCDMA-B2:0.1dBi  
WCDMA-B4:0.3dBi  
WCDMA-B5:- 2.7dBi  
WCDMA-B8:-2.9dBi  
LTE-B1:0.1dBi  
LTE-B2:0.1dBi  
LTE-B3:0.3dBi  
LTE-B4:0.3dBi  
LTE-B5:-2.7dBi  
LTE-B7:2.4dBi  
LTE-B8:- 2.9dBi  
LTE-B20:-2.7dBi  
LTE-B28:-3.3dBi  
LTE-B40:2.1dBi  
LTE-B41:2.4dBi

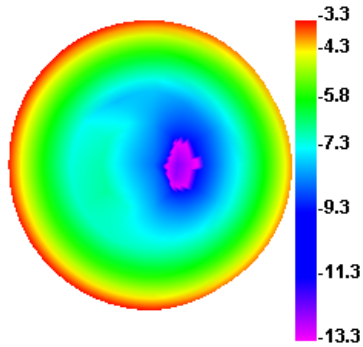
### 3-in-1 Antenna Max. Peak Gain:

WiFi-2.4:1dBi  
BT:1dBi  
GPS:1.8dBi

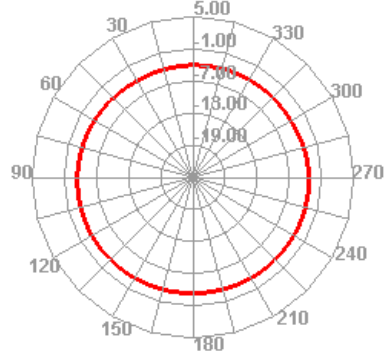
### 3-D Patten Plots

Main Antenna:

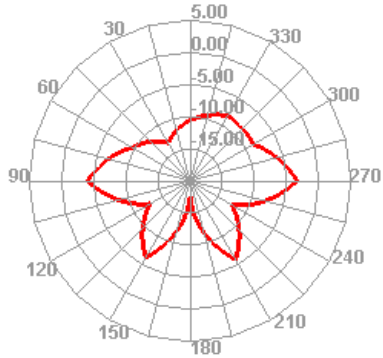
710.000MHz



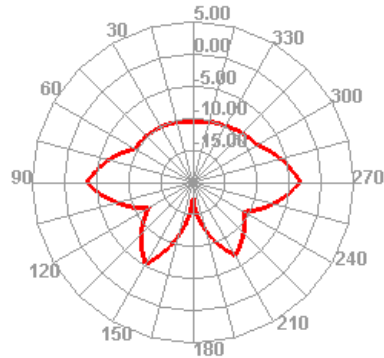
710.000MHz H



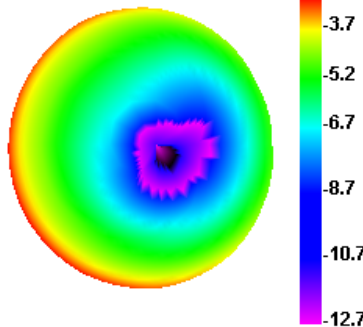
710.000MHz E1



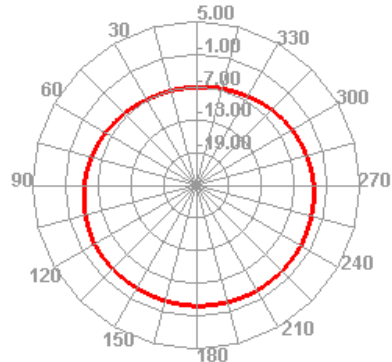
710.000MHz E2



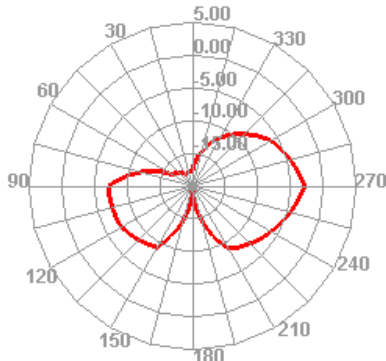
840.000MHz



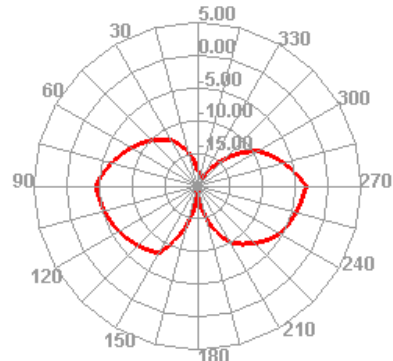
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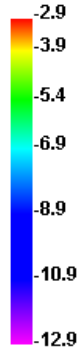
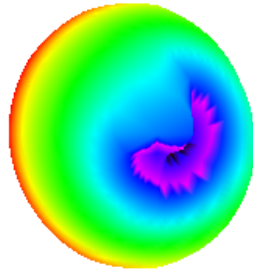
840.000MHz E1



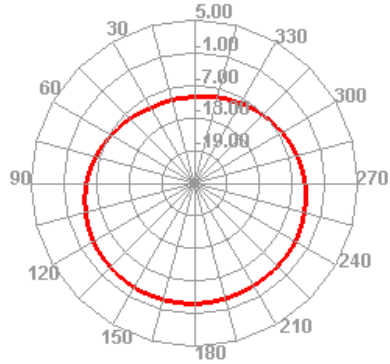
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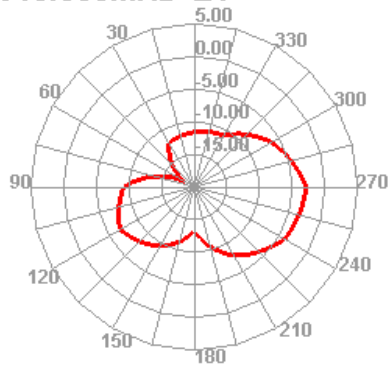
**910.000MHz**



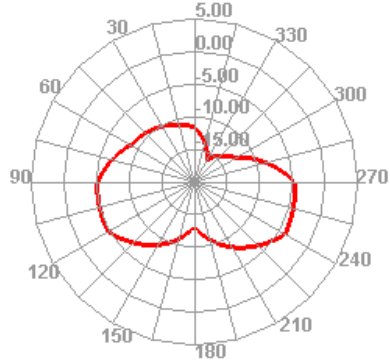
**910.000MHz H**



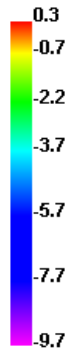
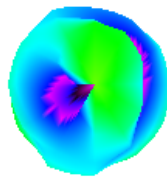
**910.000MHz E1**



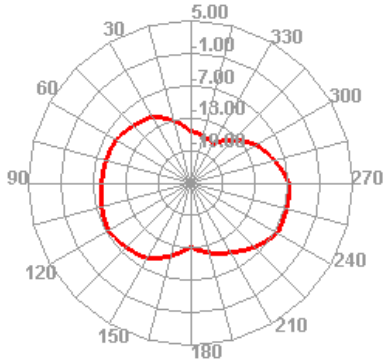
**910.000MHz E2**



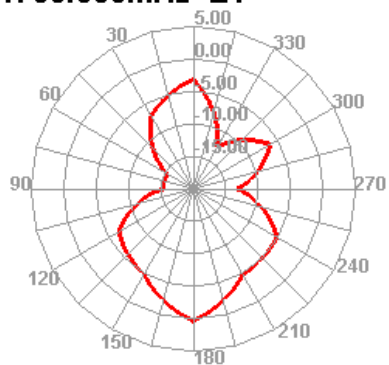
**1780.000MHz**



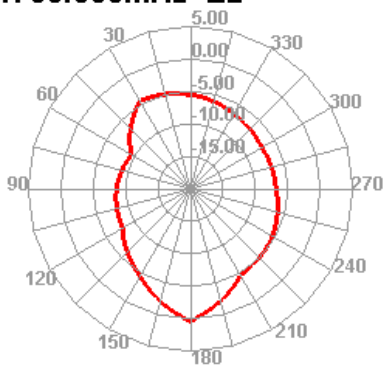
**1780.000MHz H**



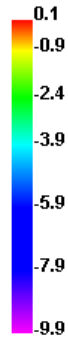
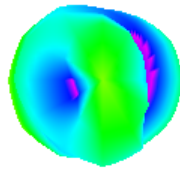
**1780.000MHz E1**



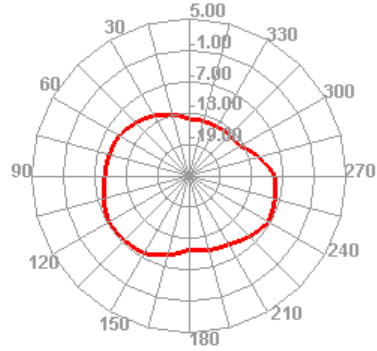
**1780.000MHz E2**



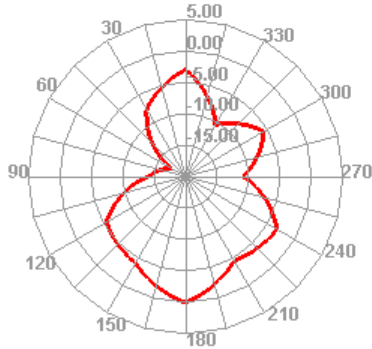
1850.000MHz



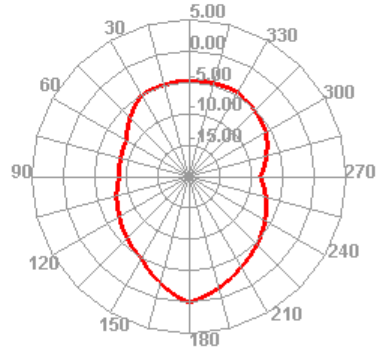
1850.000MHz H



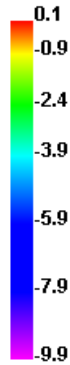
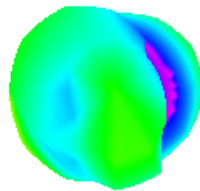
1850.000MHz E1



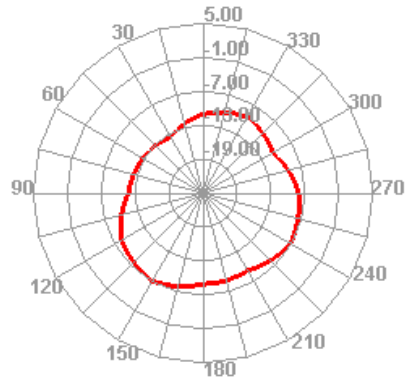
1850.000MHz E2



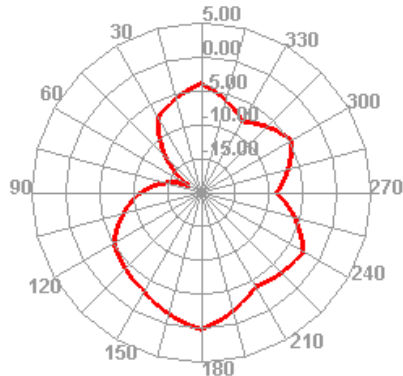
1920.000MHz



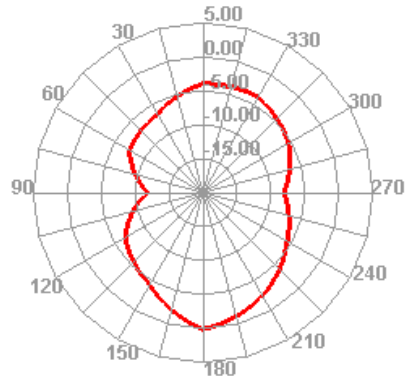
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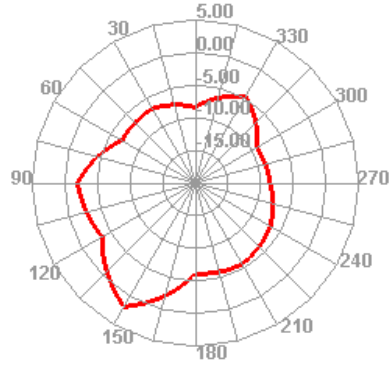
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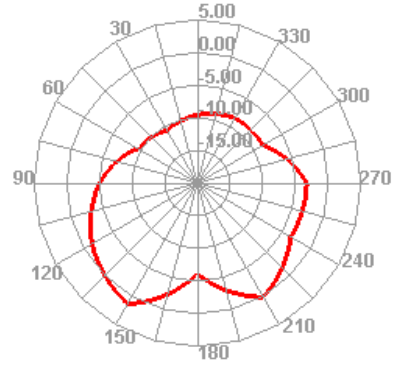
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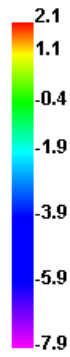
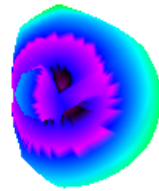
**2330.000MHz E1**



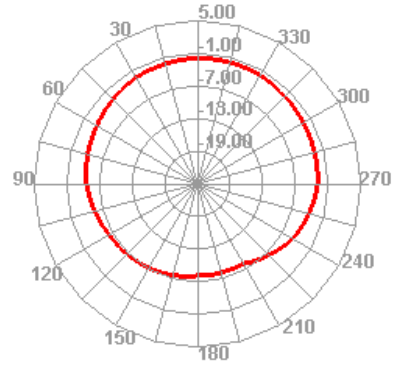
**2330.000MHz E2**



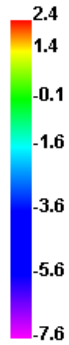
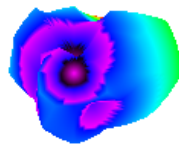
**2340.000MHz**



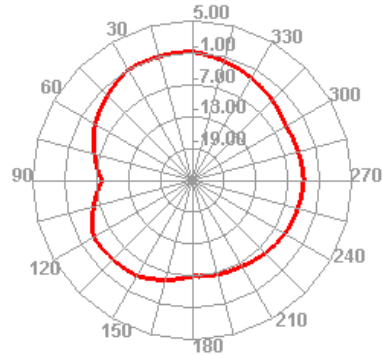
**2340.000MHz H**



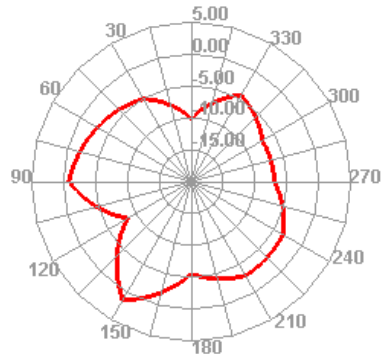
**2560.000MHz**



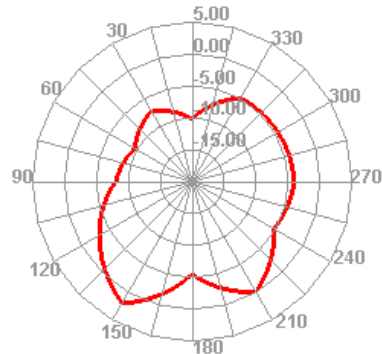
**2560.000MHz H**



**2560.000MHz E1**

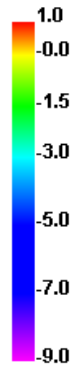
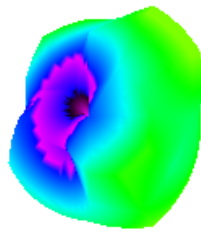


**2560.000MHz E2**

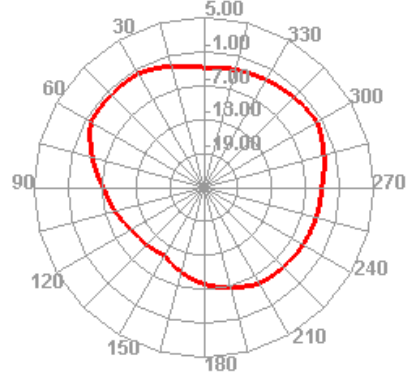


### 3-in-1 Antenna:

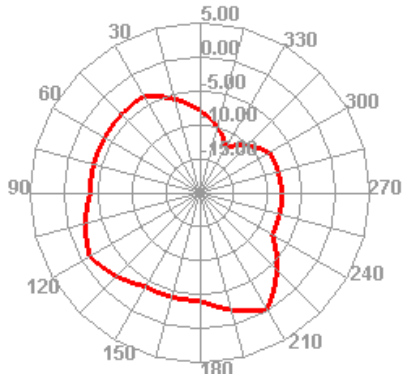
2420.000MHz



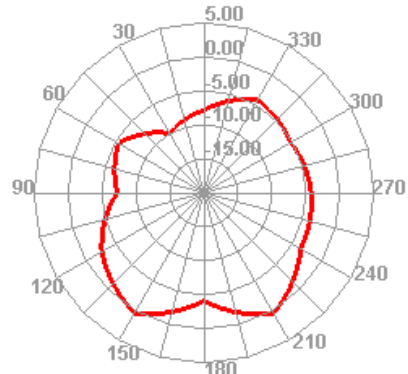
2420.000MHz H



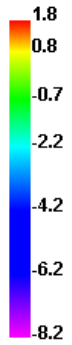
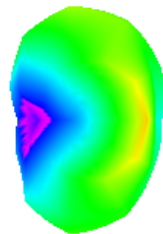
2420.000MHz E1



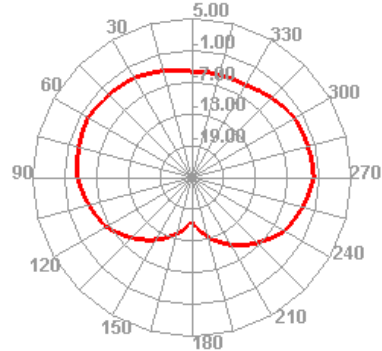
2420.000MHz E2



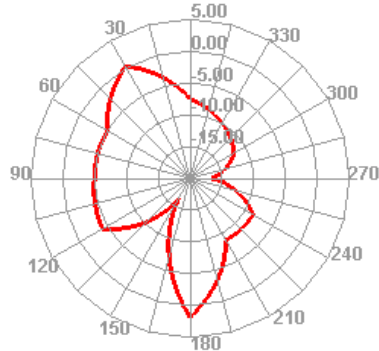
1575.000MHz



1575.000MHz H



1575.000MHz E1



1575.000MHz E2

