

## Feature

- ※ High gain
- ※ Omani-directional
- ※ Wide bandwidth

## Application

### ※ A1

GSM 2G B3/8  
WCDMA 3G B1/8  
LTE 4G B1/3/7/8/20/28A/40/38/B41  
GPS/WIFI2.4G/5G

### ※B1

GSM 2G B2/3/5/8  
WCDMA 3G B1/2/4/5/8  
LTE 4G B1/2/3/4/5/7/8/20/28A/28B/38/41/40  
GPS/WIFI2.4G/5G

### ※C1

GSM 2G B3/8  
WCDMA 3G B1/8  
LTE 4G B1/3/7/8/20/28A/40/38/41  
GPS/WIFI2.4G/5G

### ※D1

GSM 2G B2/3/5/8  
WCDMA 3G B1/5/8  
LTE 4G B1/3/5/8/38/40/41  
GPS/WIFI2.4G/5G

### ※E1

GSM 2G B2/3/5/8  
WCDMA 3G B1/5/8  
LTE 4G B1/3/5/8/28/38/40/41  
GPS/WIFI2.4G/5G

communication applications

### ※Antenna manufacturer

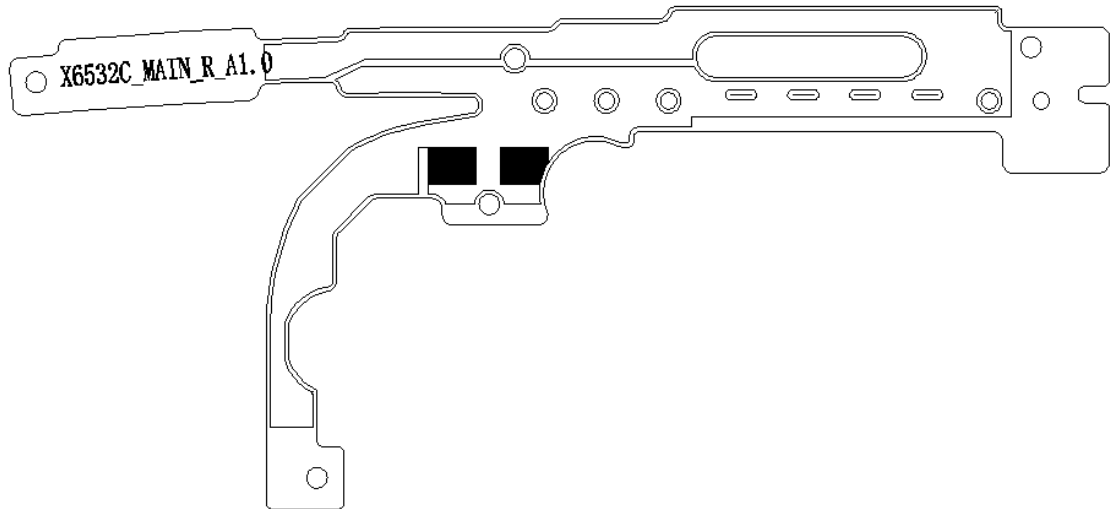
Name: Etheta Communication Technology (Shenzhen) CO.,Ltd

Factory ADD: No.401, Building 6, Zhangfeng Road, Oriental Community, Songgang Street, Bao'an District, Shenzhen

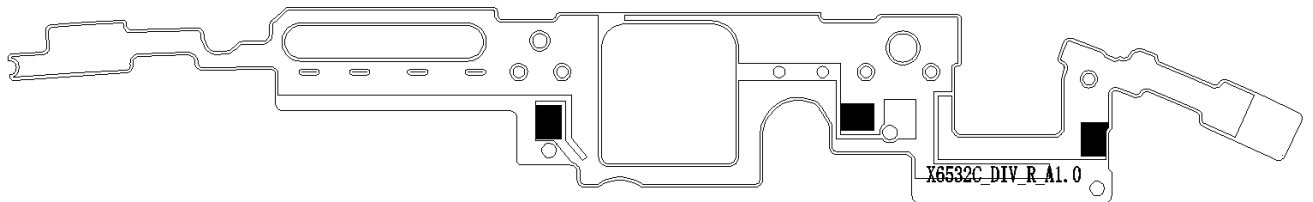
Headquarter ADD:Area B,Floor 3,Building 1,Baisha Technology Industrial Park,Shahe West Road,Nanshan District, Shenzhen

Shanghai Office:Room611, No.508, Chuanhong Road, ChuanshaNew Town, Pudong New Area, Shanghai

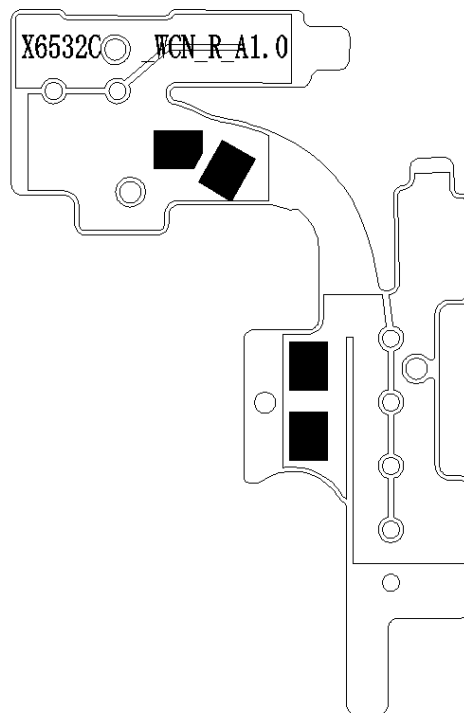
※Antenna type  
X6532C\_MAIN\_R\_A1.0



X6532C\_DIV\_R\_A1.0



X6532C\_WCN\_R\_A1.0



## Electric Specifications

TYPE	FPC
Transmitter Frequency	GSM850:824-849MHz (TX) GSM900:880-915MHz (TX) DCS1800:1710-1785MHz (TX) PCS1900:1850-1910MHz (TX) WCDMA B1:1920-1980MHz (TX) WCDMA B2:1850-1910MHz (TX) WCDMA B4:1710-1755MHz (TX) WCDMA B5:824-849MHz (TX) WCDMA B8:880-915MHz (TX) LTE B1:1920-1980MHz (TX) LTE B2:1850-1910MHz (TX) LTE B3:1710-1785MHz(TX) LTE B4:1710-1755MHz (TX) LTE B5:824-849MHz (TX) LTE B7:2500-2570MHz (TX) LTE B8:B8:880-915MHz (TX) LTE B20:832-862MHz (TX) LTE B28A:708-728MHz (TX) LTE B28B:723-743MHz (TX) LTE B38:2570-2620MHz (TX) LTE B40:2300-2400MHz (TX) LTE B41:2496-2690 WIFI2.4G:2412 -2472 MHz WIFI5G:5150-5850MHz Bluetooth:2408 - 2480 MHz GPS:1575.42MHz
Receiver Frequency	GSM850:869-894MHz (RX) GSM900:925-960MHz (RX) DCS1800:1805-1880MHz (RX) PCS1900:1930-1990MHz (RX) WCDMA B1:2110-2170MHz(RX) WCDMA B2:1930-1990MHz (RX) WCDMA B4:2110-2155MHz (RX) WCDMA B5:869-894MHz (RX) WCDMA B8:925-960MHz (RX) LTE B1:2110-2170MHz (RX) LTE B2:1930-1990MHz (RX) LTE B3:1805-1880MHz(RX) LTE B4:2110-2155MHz (RX) LTE B5:869-894MHz (RX) LTE B7:2620-2690MHz (RX)

	<p>LTE B8:8:925-960MHz (RX)          LTE B20:791-821MHz (RX)          LTE B28A:763-783MHz (RX)          LTE B28B:778-798MHz (RX)          LTE B38:2570-2620MHz (RX)          LTE B40:2300-2400MHz (RX)          LTE B41:2496-2690MHz (RX)          WIFI2.4G:2412 -2472 MHz          WIFI5G:5150-5850MHz          Bluetooth:2408 - 2480 MHz          GPS:1575.42MHz</p>
<p>RF-Output Power  (E.I.R.P)</p>	<p>GSM 850: 33+/-2dBm          GSM 900: 33+/-2dBm          DCS 1800: 30+/-2dBm          PCS 1900: 30+/-2dBm          WCDMA B1: 22.5+/-2dBm          WCDMA B2: 22.5+/-2dBm          WCDMA B4: 22.5+/-2dBm          WCDMA B5: 22.5+/-2dBm          WCDMA B8: 22.5+/-2dBm          LTE B1: 22+/-2dBm          LTE B2: 22+/-2dBm          LTE B3: 22+/-2dBm          LTE B4: 22+/-2dBm          LTE B5: 22+/-2dBm          LTE B7: 22+/-2dBm          LTE B8: 22+/-2dBm          LTE B20: 22+/-2dBm          LTE B28A: 22+/-2dBm          LTE B28B: 22+/-2dBm          LTE B40: 22+/-2dBm          LTE B38: 22+/-2dBm          LTE B41: 22+/-2dBm</p>
<p>Antenna Gain</p>	<p>UANT Gain          GSM 850: -5.99dBi          GSM 900: -5.19dBi          DCS 1800: -4.24dBi          PCS 1900: -3.8dBi          WCDMA B1: -3.8dBi          WCDMA B2: -3.8dBi          WCDMA B4: -4.24dBi          WCDMA B5: -5.99dBi          WCDMA B8: -5.19dBi          LTE B1: -3.8dBi          LTE B2: -3.8dBi          LTE B3: -4.24dBi          LTE B4: -4.24dBi          LTE B5: -5.99dBi          LTE B7: -1dBi</p>

	<p>LTE B8: -5.19dBi  LTE B20: -5.99dBi  LTE B28A: -5.99dBi  LTE B28B: -5.99dBi  LTE B40: -3.6dBi  LTE B38: -1dBi  LTE B41: -1dBi  WIFI2.4G:-1dBi /WIFI5G:-1.2dBi  Bluetooth:-1dBi  GPS:-2.17dBi</p> <p>LANT  GSM 850: -6.1dBi  GSM 900: -7.2dBi  DCS 1800: -1.7dBi  PCS 1900: -1.2dBi  WCDMA B1: -1.7dBi  WCDMA B2: -1.2dBi  WCDMA B4: -1.2dBi  WCDMA B5: -6.1dBi  WCDMA B8: -7.2dBi  LTE B1: -1.7dBi  LTE B2: -1.2dBi  LTE B3: -1.7dBi  LTE B4: -1.2dBi  LTE B5: -6.1dBi  LTE B7: -1dBi  LTE B8: -7.2dBi  LTE B20: -6.1dBi  LTE B28A: -7.5dBi  LTE B28B: -7.5dBi  LTE B40: -1.6dBi  LTE B38: -1.9dBi  LTE B41: -1.9dBi</p>
<p>Power of antenna</p>	<p>GSM 850: 23dBm  GSM 900: 24.6dBm  DCS 1800: 25.5dBm  PCS 1900: 24.2dBm  WCDMA B1: 18.1dBm  WCDMA B2: 18dBm  WCDMA B4: 17.2dBi  WCDMA B5: 15.1dBm  WCDMA B8: 14.6dBm  LTE B1: 17.5dBm  LTE B2: 16.7dBm  LTE B3: 18.3dBm  LTE B4: 17.2dBm  LTE B5: 15.1dBm  LTE B7: 15.9dBm  LTE B8: 14.1dBm  LTE B20: 14.5dBm  LTE B28A: 12.3dBm  LTE B28B: 14.6dBm  LTE B40: 18.6dBm</p>

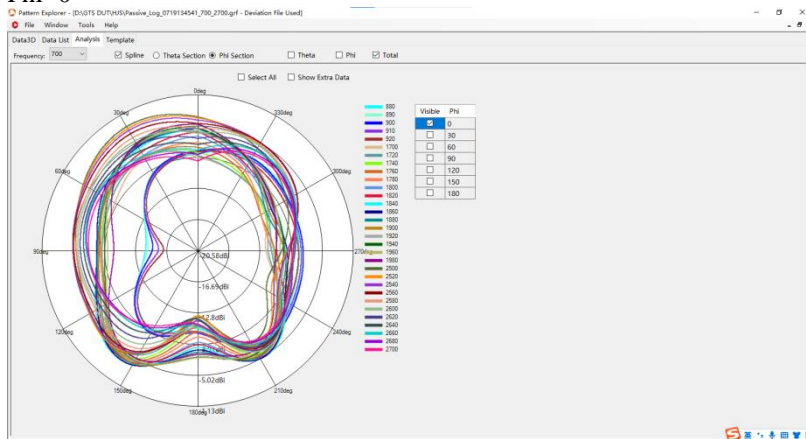
	LTE B38: 16.5dBm LTE B41: 16.1dBm WIFI2.4G:10.6dBm WIFI5G:11.1dBm Bluetooth:10.6dBm GPS:--151.8
Type of Modulation	GMSK/8PSK/QPSK/16QAM/64QAM/GFSK, $\pi/4$ -DQPSK,8DPSK

# ✧ Antenna Gain

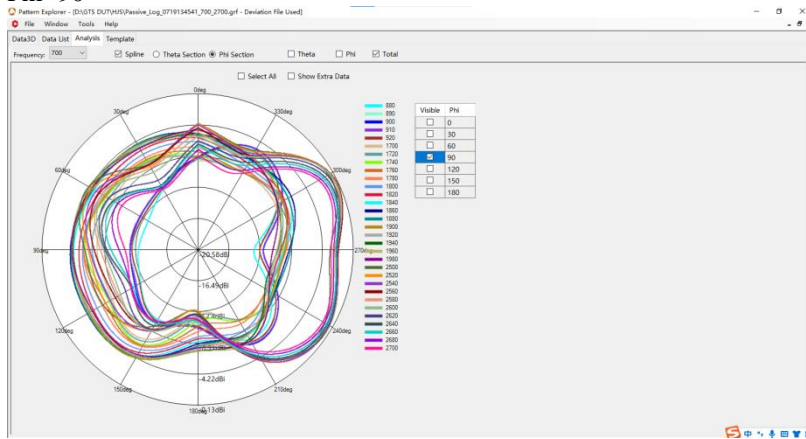
## Main Antenna

GSM900/WCDMA900/1900/2000/LTEB1/2/3/4/7/8/38/40/41

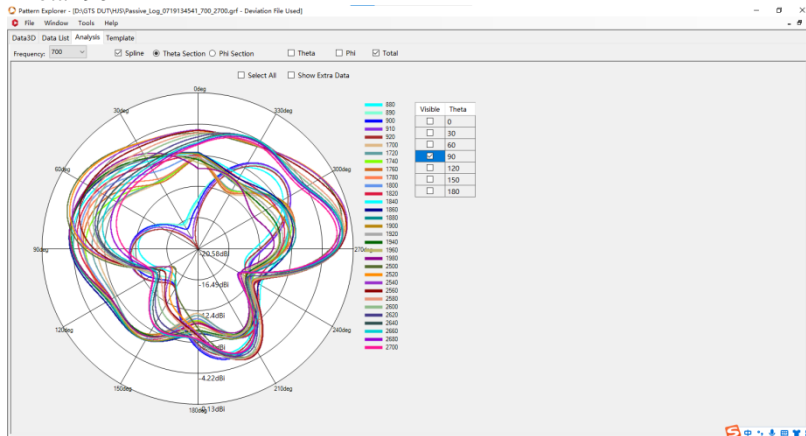
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Phi=90

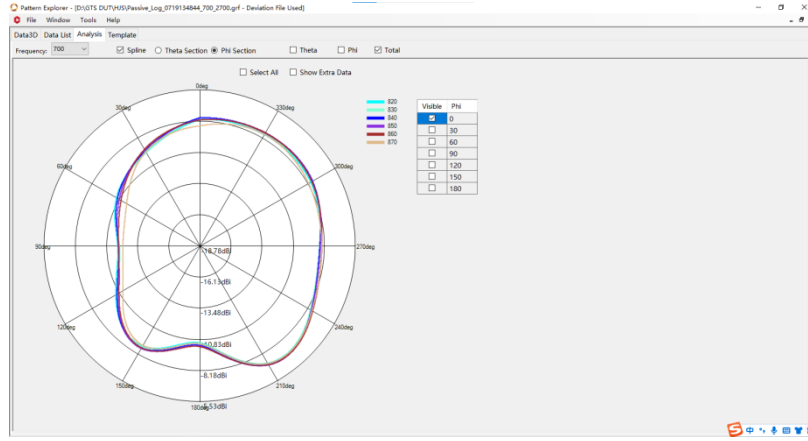


Theta=90

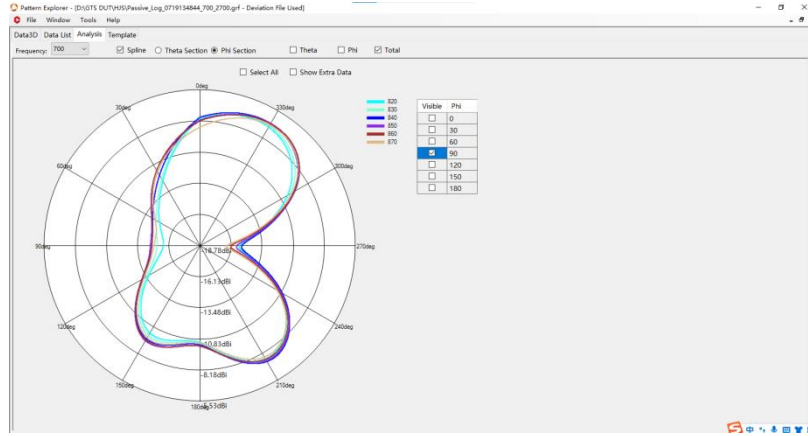


# GSM850/WCDMA850/LTEB15/20

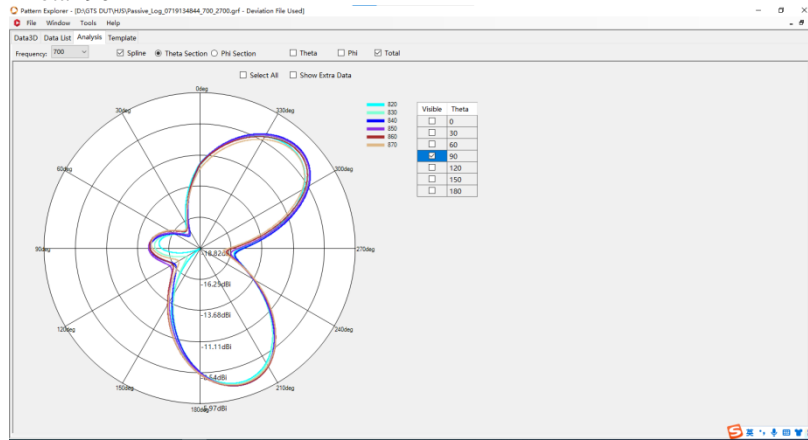
## Phi=0



## Phi=90

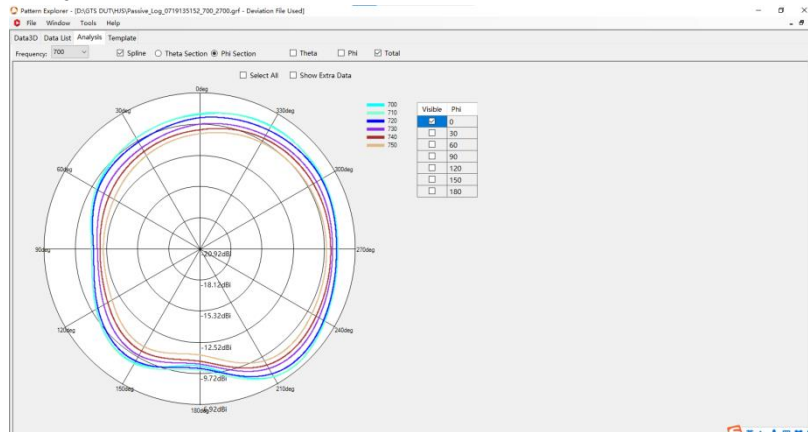


## Theta=90



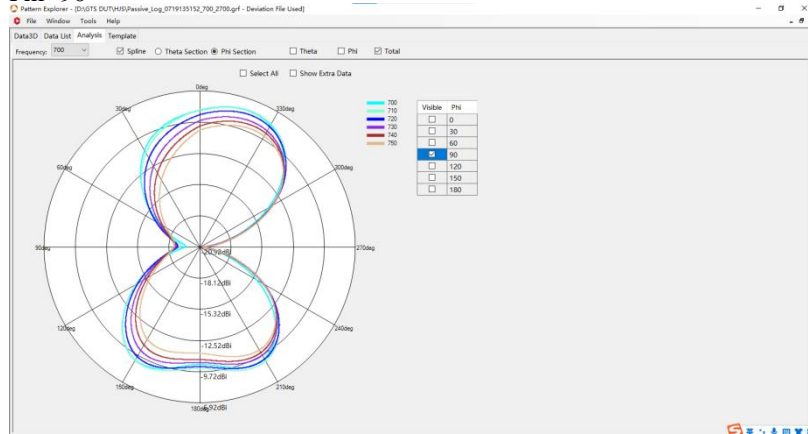
# LTEB28

## Phi=0

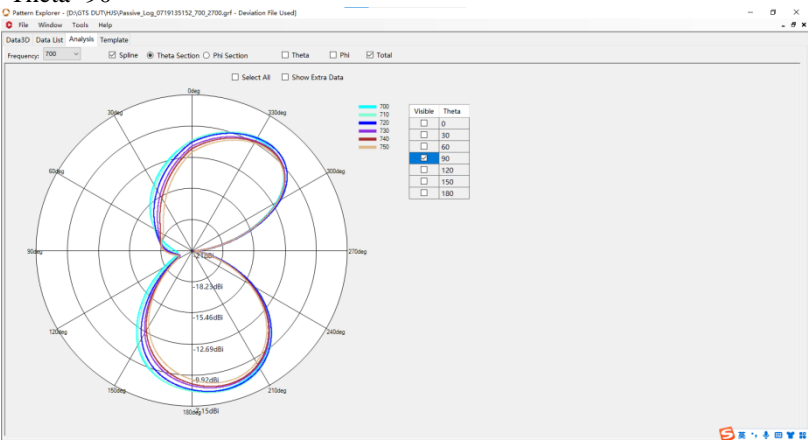




# Phi=90

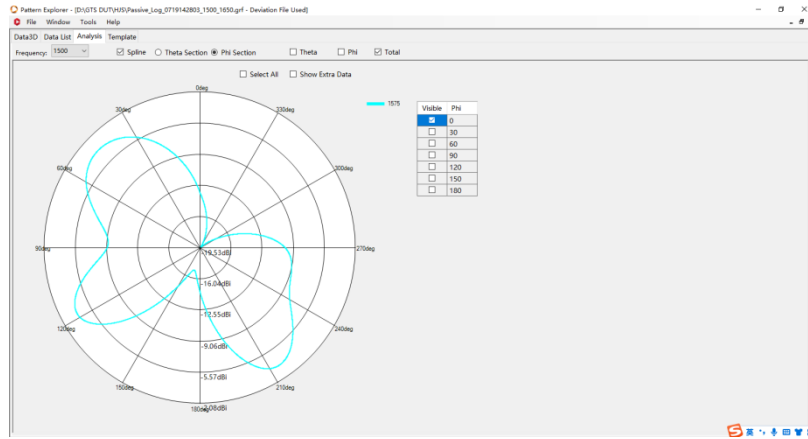


# Theta=90

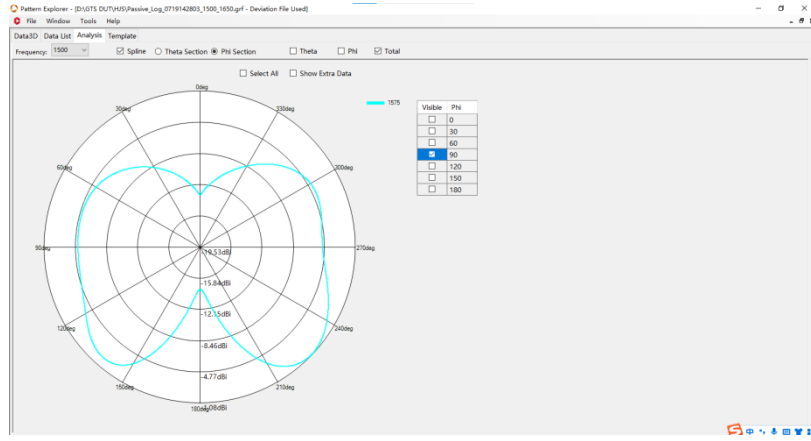


# GPS

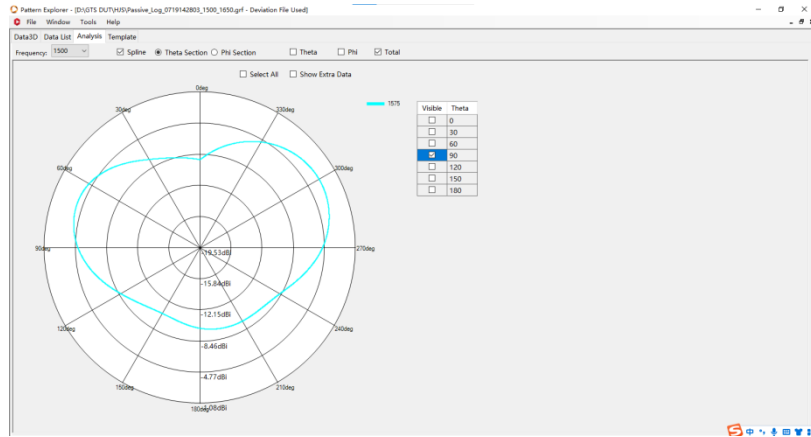
## Phi=0



# Phi=90

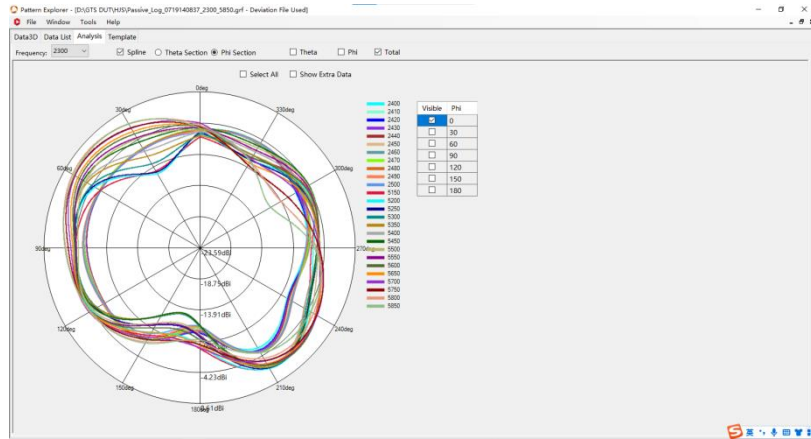


# Theta=90

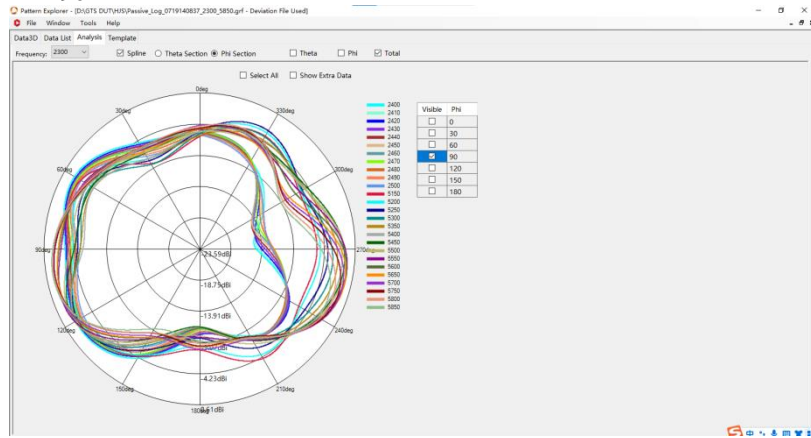


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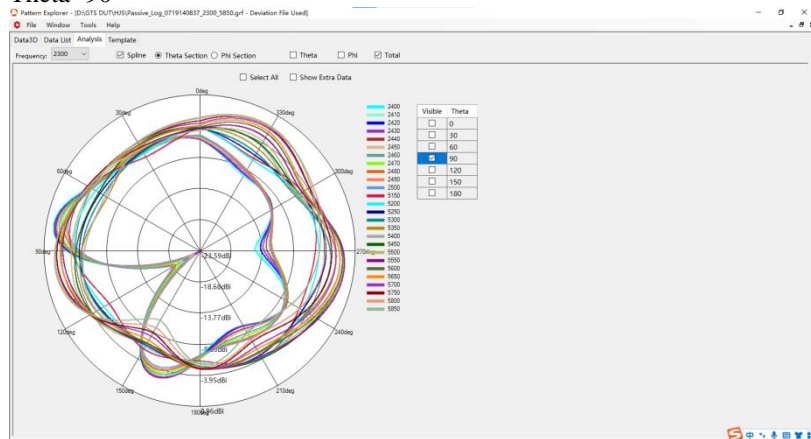
## Phi=0



# Phi=90



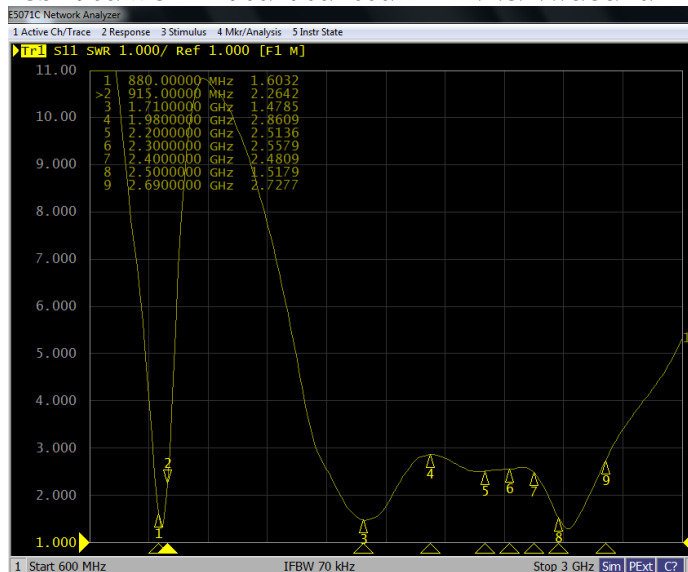
# Theta=90



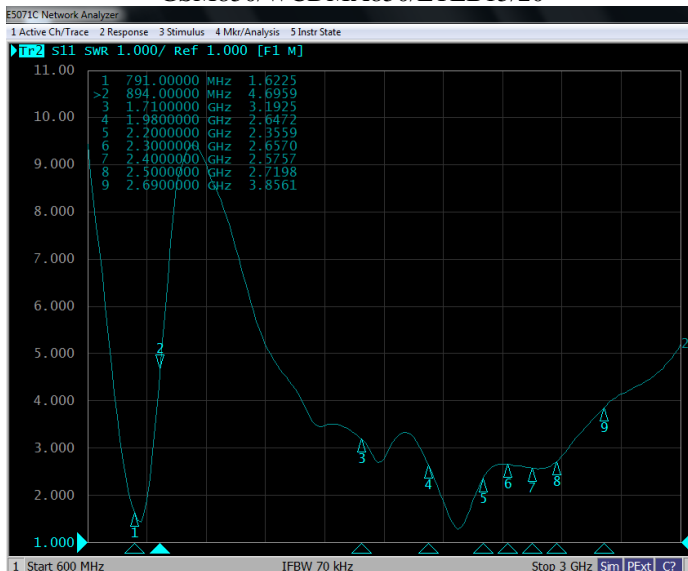
※S11:

### Main Antenna

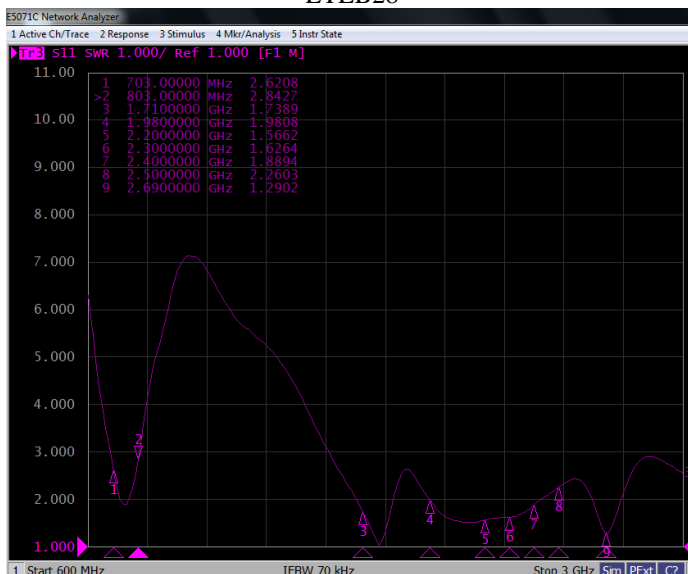
GSM900/WCDMA900/1900/2000/LTEB1/2/3/4/7/8/38/40/41



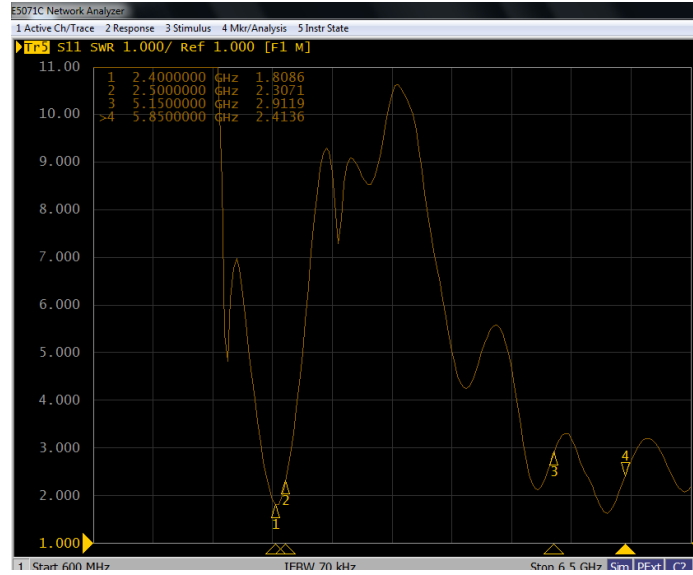
### GSM850/WCDMA850/LTEB15/20



### LTEB28



## WiFi2.4G/5G Antenna



## GPS Antenna

