

Specifications

1.Operating Frequency Band (RF):

GSM850: 824~894 MHz
GSM900: 880 ~960 MHz
DCS1800: 1710~1880MHz
PCS1900: 1850~1910MHz

WCDMA BAND 1: 1920~2170MHz
WCDMA BAND 2: 1850~1910 MHz
WCDMA BAND 4: 1710~2160 MHz
WCDMA BAND 5: 826~892 MHz
WCDMA BAND 8: 880~960 MHz

FDD-LTE BAND 1: 1920~2170 MHz
FDD-LTE BAND 2: 1853~1988 MHz
FDD-LTE BAND 3: 1710~1880MHz
FDD-LTE BAND 4: 1710~2160 MHz
FDD-LTE BAND 5: 826~892 MHz
FDD-LTE BAND 7: 2500~2700 MHz
FDD-LTE BAND 8: 880~960 MHz
FDD-LTE BAND 12: 699~750MHz
FDD-LTE BAND 17: 704~746MHz
FDD-LTE BAND 20: 791~862MHz
FDD-LTE BAND 26: 814~894MHz
FDD-LTE BAND 28: 703~803MHz
FDD-LTE BAND 66: 1710~2200MHz

TDD-LTE BAND 38:2570~2620MHz
TDD-LTE BAND 40:2300~2400MHz
TDD-LTE BAND 41:2500~2690MHz

Wi-Fi: 2.4GHz(TX/RX)

Bluetooth: 2402 MHz -2480 MHz (TX/RX);

GPS:1575.42MHz

2.Modulation mode:

GSM (GMSK)

WCDMA(BPSK,QPSK,16QAM,64QAM)

GFSK (Bluetooth), OFDM (Wi-Fi)

3.Max. of Transmit power:

GSM 850: 33+/-2dBm

GSM 900: 33+/-2dBm

DCS1800: 30+/-2dBm

GSM1900: 30+/-2dBm

UMTS band 1/5/8: 24+1/-3dBm

FDD-LTE BAND I: 24+1/-3dBm;

FDD-LTE BAND II: 24+1/-3dBm;

FDD-LTE BAND III: 24+1/-3dBm;

FDD-LTE BAND IV: 24+1/-3dBm;

FDD-LTE BAND VII: 24+1/-3dBm;

FDD-LTE BAND V: 24+1/-3dBm;

FDD-LTE BAND XII: 24+1/-3dBm;
FDD-LTE BAND XVII: 24+1/-3dBm;
FDD-LTE BAND XXVIII: 24+1/-3dBm;
FDD-LTE BAND LXVI: 24+1/-3dBm;
FDD-LTE BAND LXXI: 24+1/-3dBm;
Wi-Fi: b mode: 16±2dBm; g mode: 13±2dBm; n mode:
12±2dBm; Bluetooth: 6±2dBm;

4.Operating temperature: -10°C~45°C

5.Battery technical: (Lithium Battery)

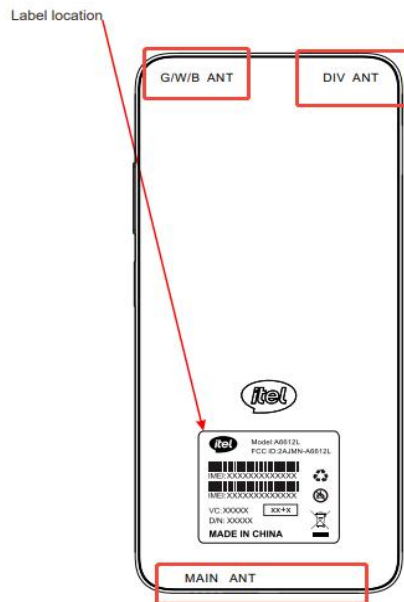
6.Nominal Voltage: 3.8V

7.Charge Restriction Voltage: Rated Capacity: 4.4V

8.Battery low voltage: 3.45V

9.Operating Relativity Humidity Range: 10%~90%

Antenna position picture



DIV antenna(antenna Label:B)

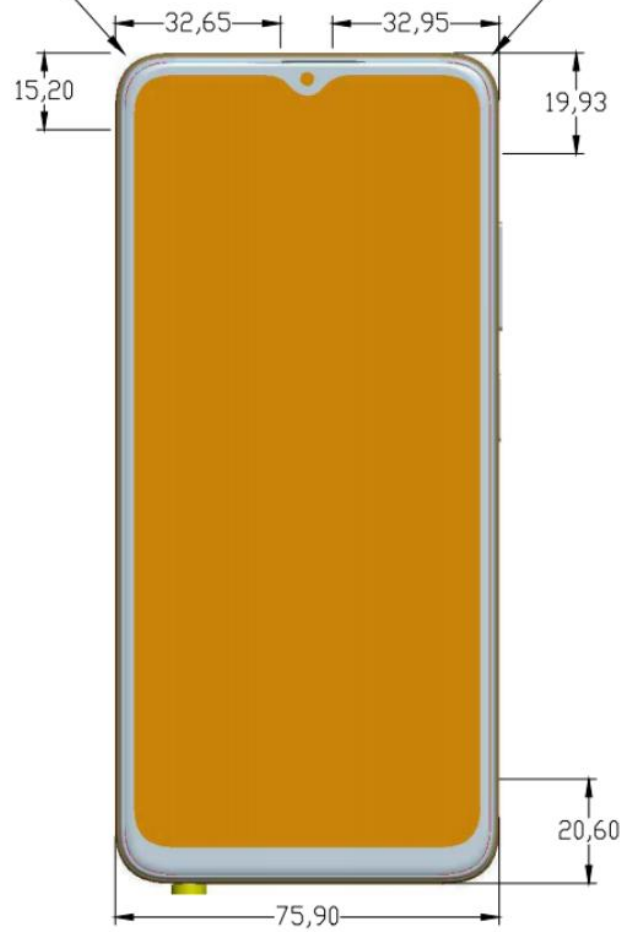
LTE B1/B2/B3/B4/B7/B66/B38/B40/B41(TX&RX)
WCDMA -B1/B2/B4(TX&RX)
GSM-B2/B3(TX&RX)

Main antenna(antenna Label:A)

LTE- B5/B8/B12/B17/B20/B26/B28AB(TX&RX)
WCDMA -B5/B8(TX&RX)
GSM-B5/B8(TX&RX)

分集天线
天线频段: 1710-2700MHZ
天线材质: FPC天线颜色: 黑色

三合一天线
天线频段: 1575.42MHZ : 2400-2500MHZ
天线材质: FPC天线颜色: 黑色



主天线
天线频段: 699-960MHZ : 1710-2700MHZ
天线材质: FPC天线颜色: 黑色

All of Implementation antenna

Main antenna(Antenna Label:A):

LTE B5/B8/B12/B17/B20/B26/B28AB RX&TX

B1/B2/B3/B4/B7/B66/B38/B40/B41RX

WCDMA -B5/B8 RX&TX

B1/B2/B4 RX

GSM -B5/B8 RX&TX

B2/B3 RX

DIV antenna(Antenna Label:B):

LTE B1/B2/B3/B4/B7/B66/B38/B40/B41 RX&TX

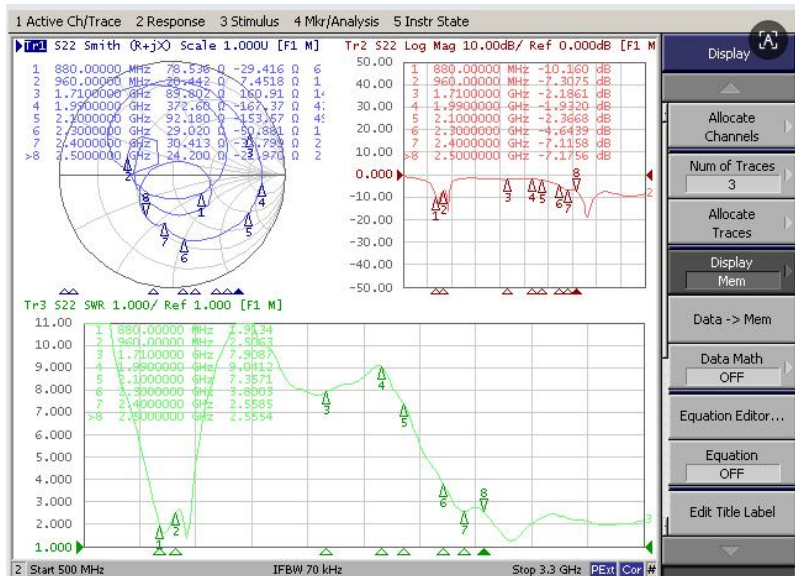
WCDMA -B1/B2/B4 RX&TX

GSM B2/B3 RX&TX

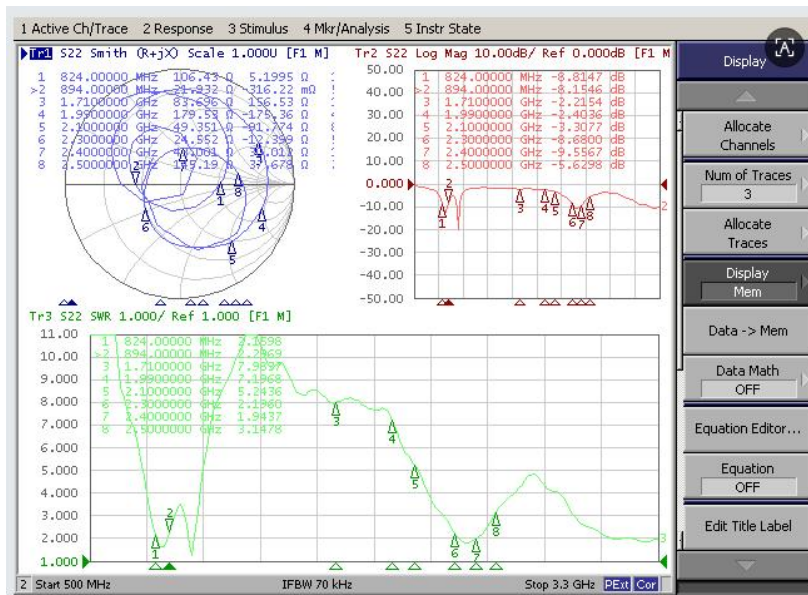
WiFi-B/BT 2.4~2.5GHZ/ GPS: 1575.42 MHz ;

main antenna

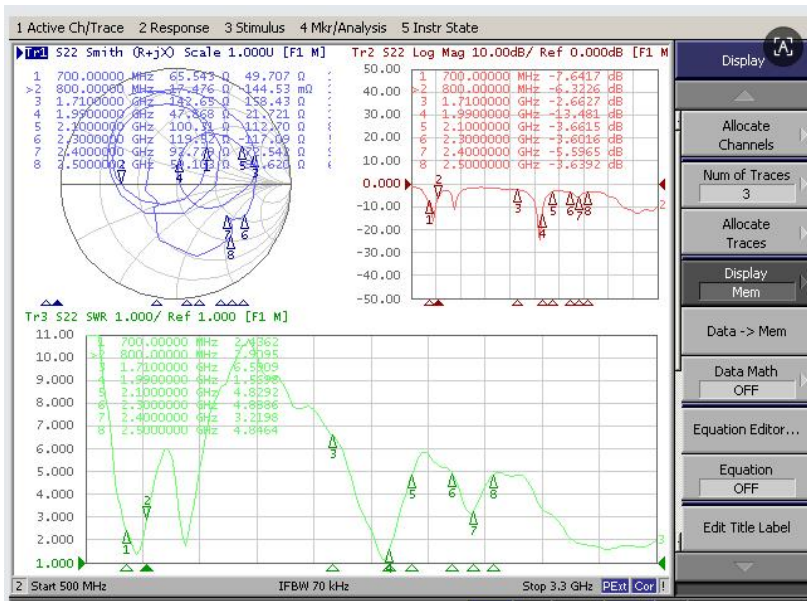
880-960MHz



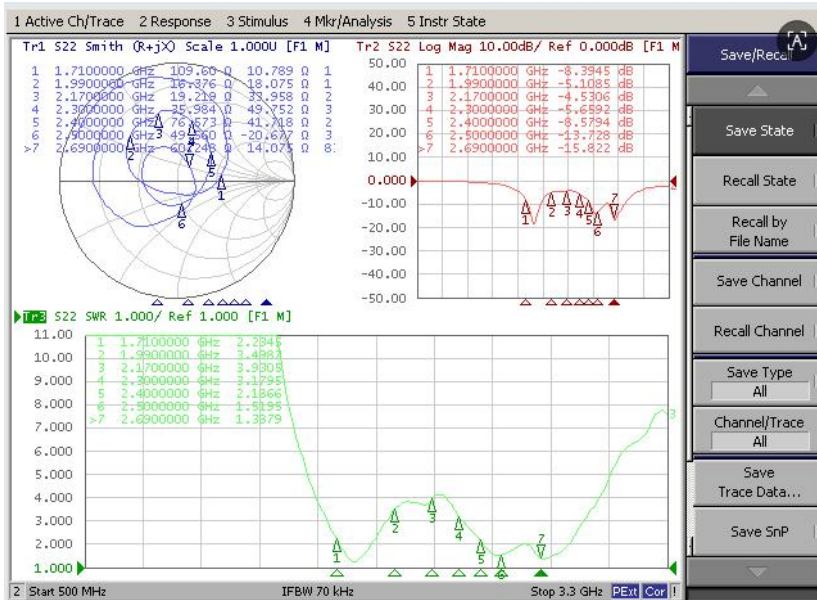
791-894MHz



699-803MHZ



DIV ANT 1710-2700MHZ



main antenna gain:

EGSM900:-2.4dBi

GSM850:-2.3dBi

PCS1900:0.24dBi

DCS1800:-0.38dBi

WCDMA-B1 :0.6 dBi

WCDMA-B2 :0.24 dBi

WCDMA-B4 :-0.38dBi

WCDMA-B5 :-2.3 dBi

WCDMA-B8 :-2.4dBi

LTE-B1 :0.6dBi

LTE-B2 :0.24dBi

LTE-B3 :-0.38dBi

LTE-B4 :-0.38dBi

LTE-B5 :-2.3dBi

LTE-B7 :-0.26dBi

LTE-B8 :-2.4 dBi

LTE-B12 :-2.3dBi

LTE-B17 :-2.3dBi

LTE-B20 :-2.27dBi

LTE-B26:-2.27dBi

LTE-B28AB:-2.3dBi

LTE-B38 :-0.26 dBi

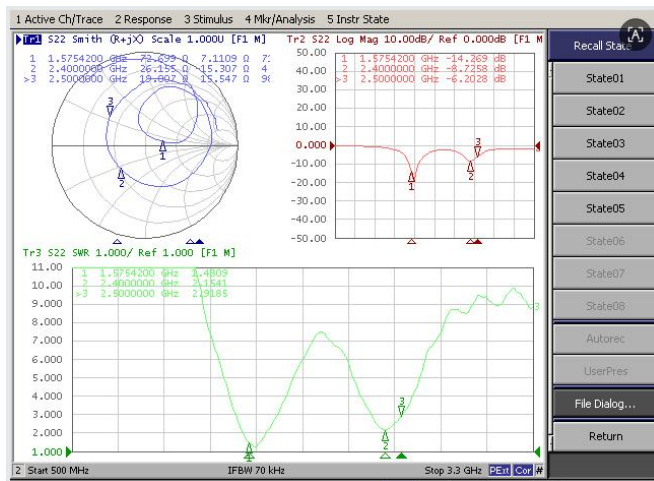
LTE-B40 :0.45dBi

LTE-B41 :-0.26dBi

LTE-B66 :-0.38dBi

BT/2.4GWIFI antenna:

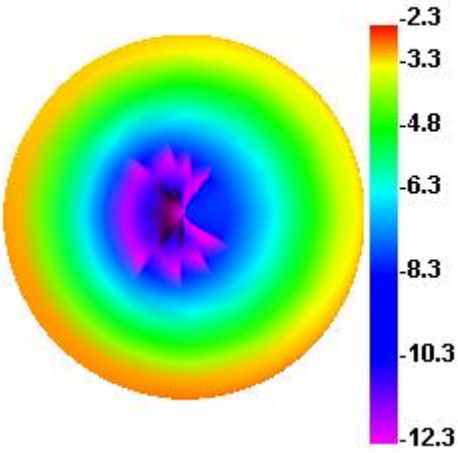
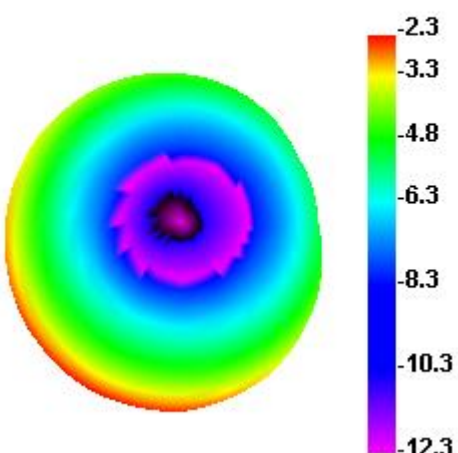
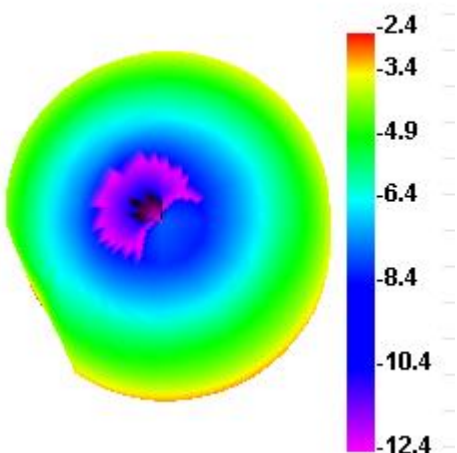
VSWR:

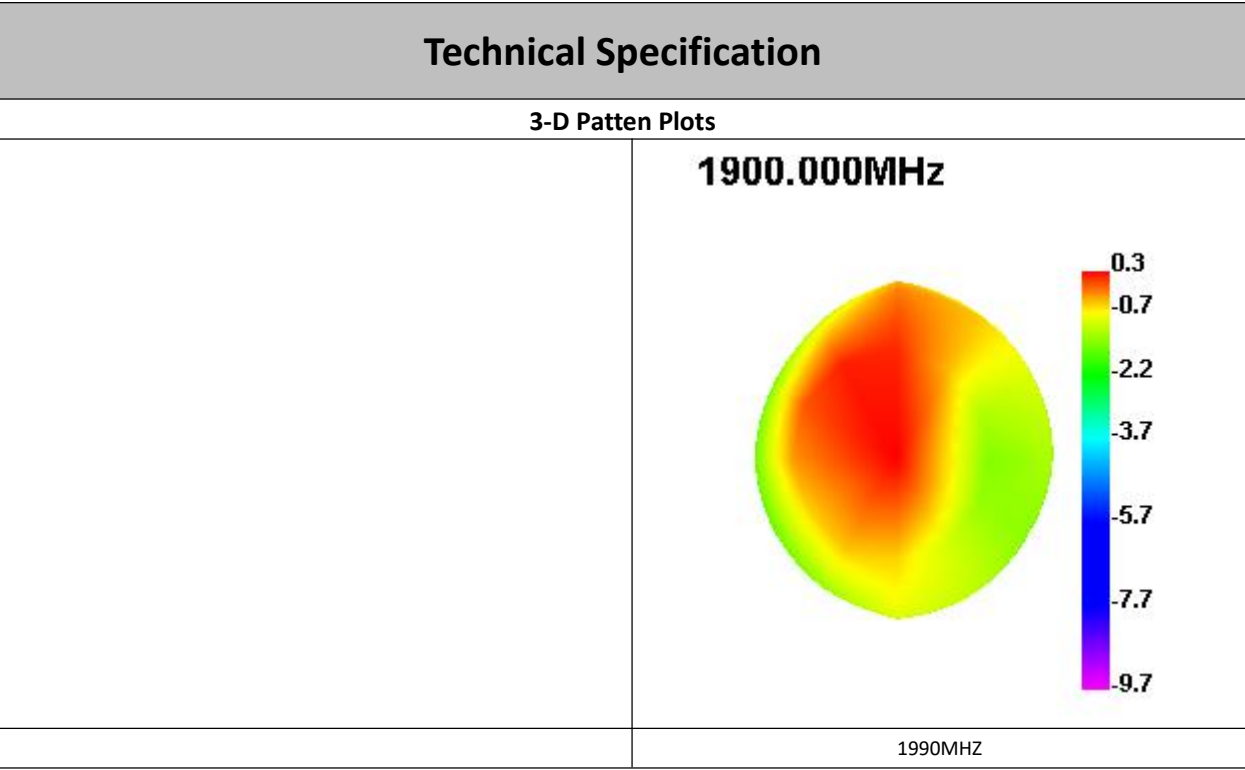
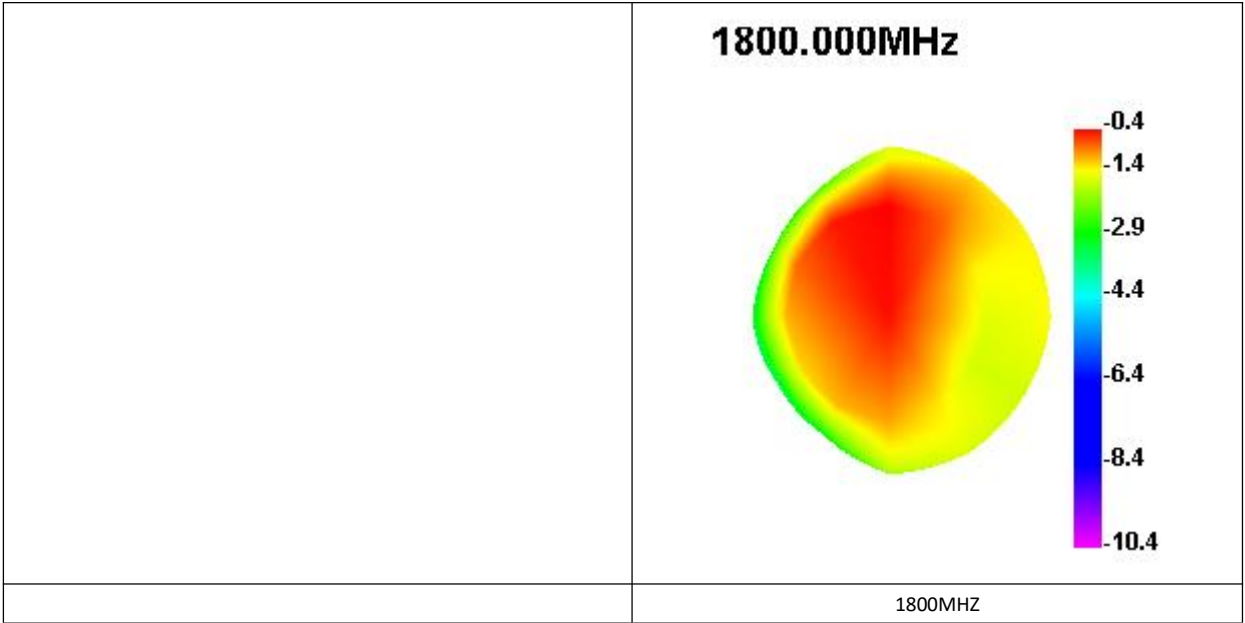


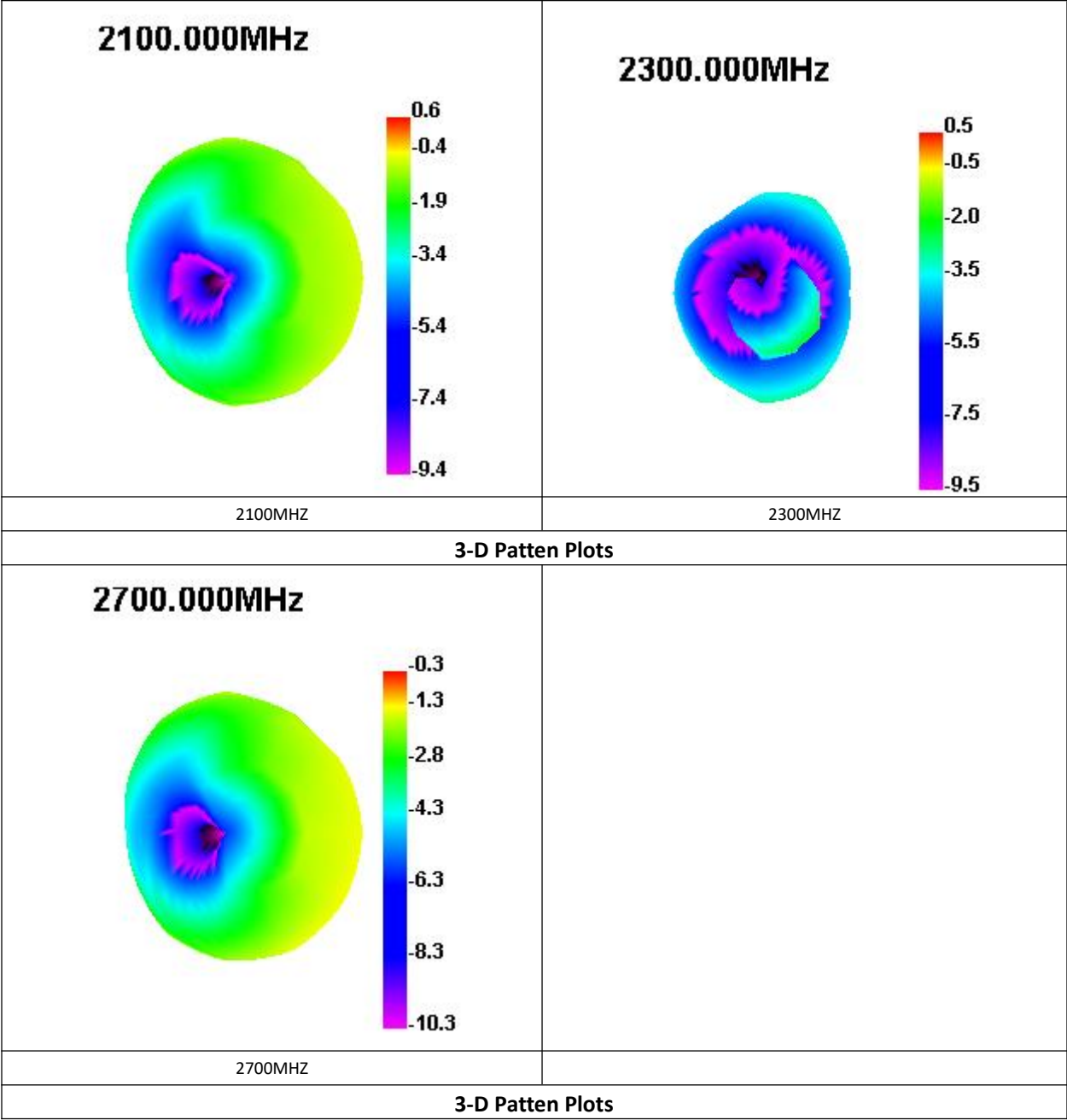
MAX gain about BT/2.4GWIFI antenna:

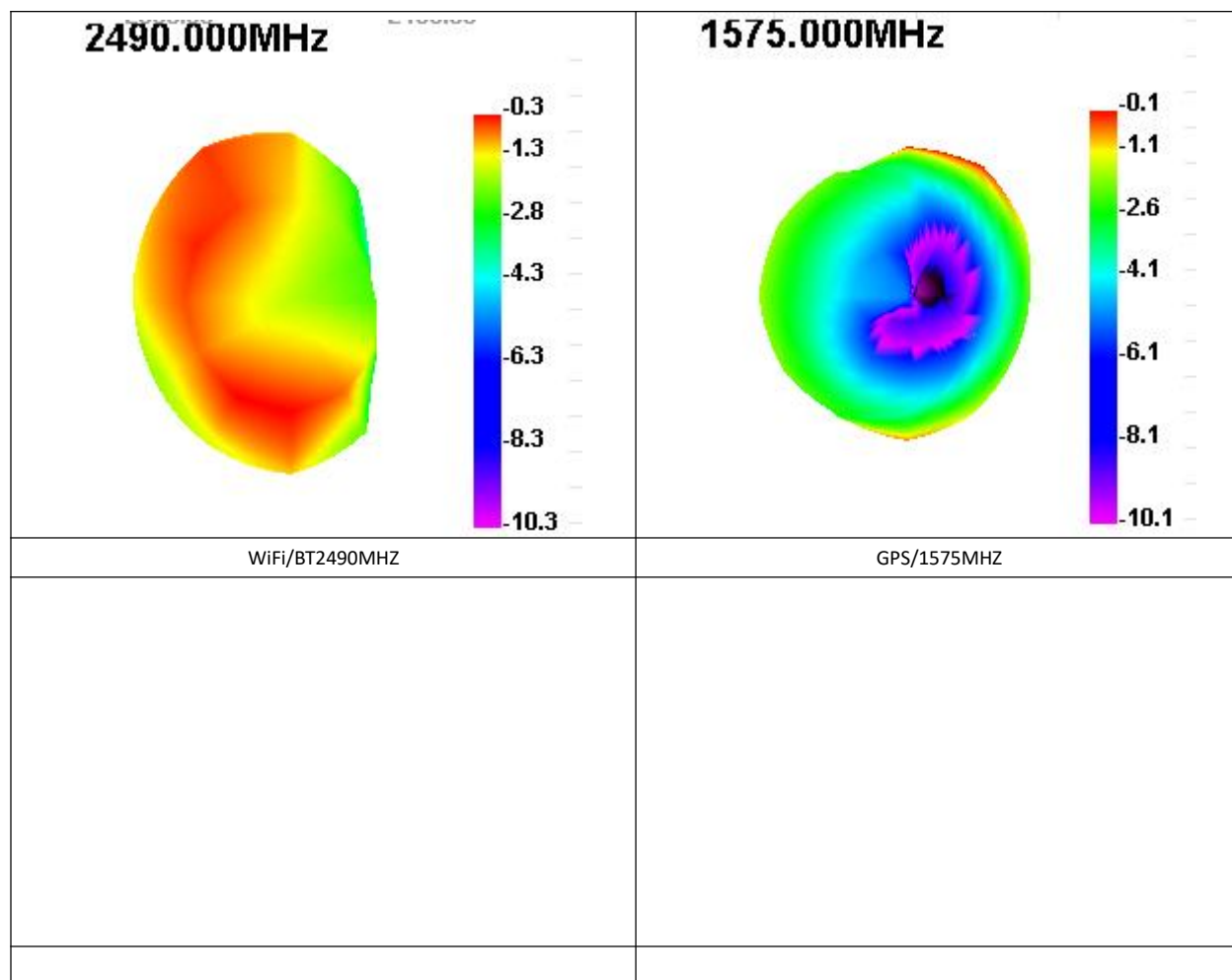
GPS (1.57542Ghz) gain: -0.1dBi;

BT/2.4GWIFI: -0.3dBi;

Technical Specification	
3-D Patten Plots	
700.000MHz  A 3-D pattern plot for 700.000MHz. The plot shows a circular radiation pattern with a central peak and concentric rings of varying intensity. The color scale ranges from -2.3 (red) to -12.3 (purple).	800.000MHz  A 3-D pattern plot for 800.000MHz. The plot shows a circular radiation pattern with a central peak and concentric rings of varying intensity. The color scale ranges from -2.3 (red) to -12.3 (purple).
700Mhz	800MHZ
3-D Patten Plots	
900.000MHz  A 3-D pattern plot for 900.000MHz. The plot shows a circular radiation pattern with a central peak and concentric rings of varying intensity. The color scale ranges from -2.4 (red) to -12.4 (purple).	
900MHZ	







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