

## 1.TOP Antenna:

Support Bands:

A/B BOM:

GSM900trx/1800drx;

WCDMAB1drx/B8trx;

LTEB1drx/B3drx/B7drx/B8trx/B20trx/28Atrx/B40drx;

C/D BOM:

GSM850trx/900trx/1800drx/1900drx;

WCDMAB1drx/B5trx/B8trx;

LTEB1drx/B3drx/B5trx/B8trx/B38drx/B40drx/B41drx;

E/F/J/K BOM:

GSM850trx/900trx/1800drx/1900drx;

WCDMAB1drx/B2drx/B4drx/B5trx/B8trx;

LTEB1drx/B2drx/B3drx/B4drx/B5trx/B7drx/B8trx/B12trx/B17trx/B20trx/B28Atrx/B28Btrx/B38  
drx/B40drx/B41drx/B66drx;

G/H BOM:

GSM850trx/900trx/1800drx/1900drx;

WCDMAB1drx/B5trx/B8trx;

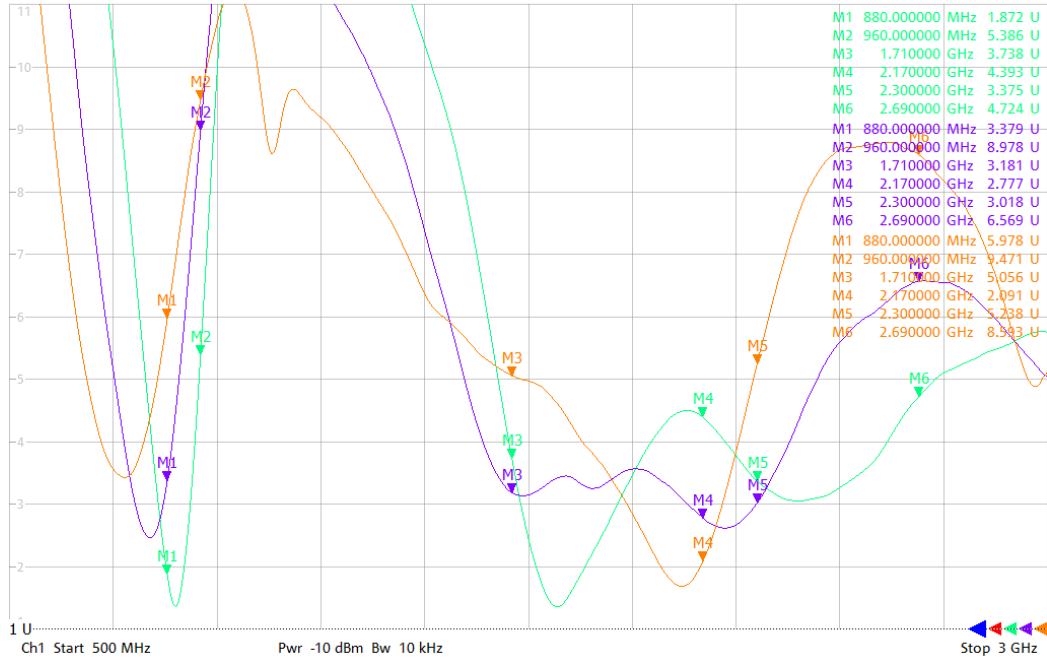
LTEB1drx/B3drx/B5trx/B7drx/B8trx/B20trx/B28Atrx/B38drx/B40drx/B41drx;

### VSWR:

8/23/2023 8:45:59 AM  
1328.5170K92-101121-eK

Trc1 S22 SWR 1 U/ Ref 1 U Invisible Mem11[Trc1] S22 SWR 1 U/ Ref 1 U Invisible  
 Mem12[Trc1] S22 SWR 1 U/ Ref 1 U Smo Offs Mem13[Trc1] S22 SWR 1 U/ Ref 1 U Smo Offs  
 Mem14[Trc1] S22 SWR 1 U/ Ref 1 U Smo Offs

1

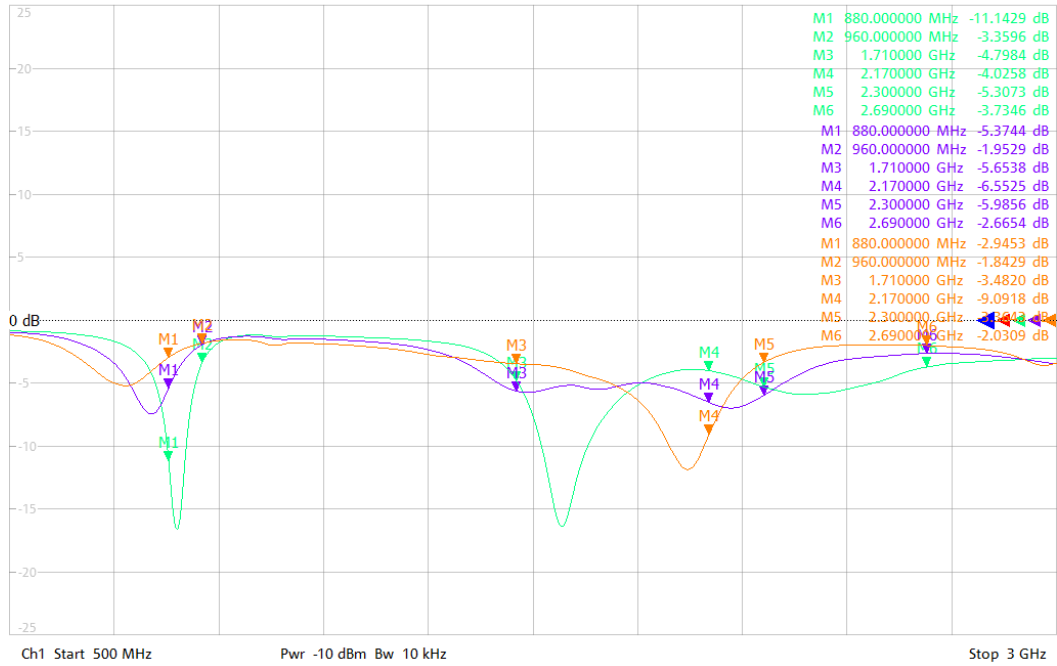


### RL:

8/23/2023 8:47:12 AM  
1328.5170K92-101121-eK

Trc1 S22 dB Mag 5 dB/ Ref 0 dB Invisible Mem11[Trc1] S22 dB Mag 5 dB/ Ref 0 dB Invisible  
 Mem12[Trc1] S22 dB Mag 5 dB/ Ref 0 dB Smo Offs Mem13[Trc1] S22 dB Mag 5 dB/ Ref 0 dB Smo Offs  
 Mem14[Trc1] S22 dB Mag 5 dB/ Ref 0 dB Smo Offs

1

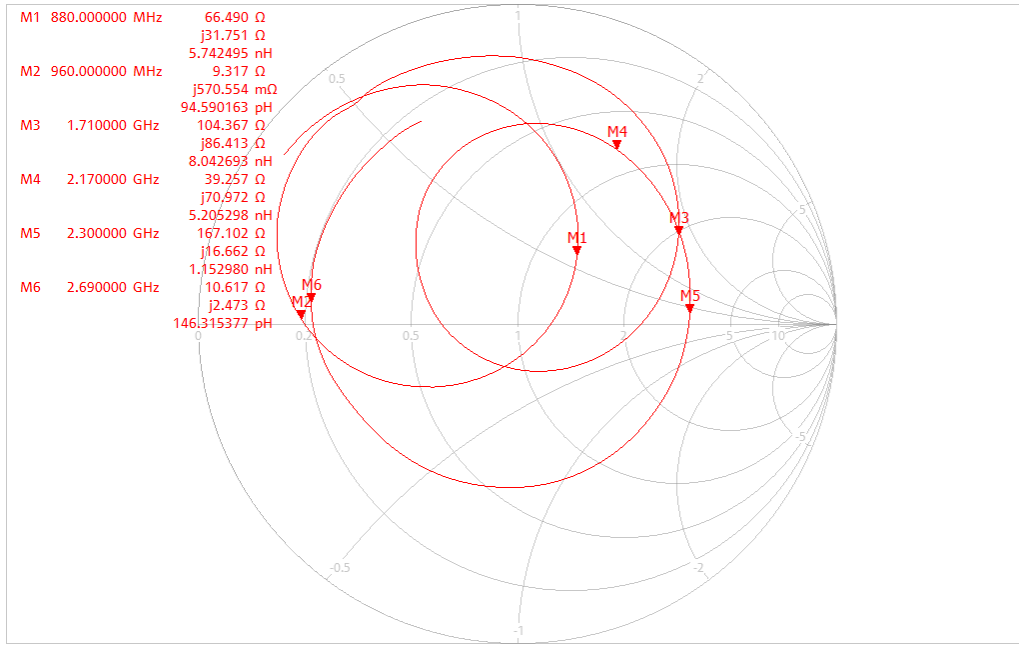


# SMITH:

8/23/2023 8:48:06 AM  
1328.5170K92-101121-eK

Trc1 — S22 Smith 200 mU/ Ref 1 U Invisible Mem12[Trc1] — S22 Smith 200 mU/ Ref 1 U Smo Offs  
 Mem13[Trc1] — S22 Smith 200 mU/ Ref 1 U Invisible Mem14[Trc1] — S22 Smith 200 mU/ Ref 1 U Invisible

1



Ch1 Start 500 MHz

Pwr -10 dBm Bw 10 kHz

Stop 3 GHz

Max gain of top antenna:

- GSM850/ WCDMA 5/ LTE B5:-5dbi;
- GSM900/ WCDMA 8/ LTE B8:-4.5dbi;
- LTE B20:-5dbi;
- LTE B12/B17:-6dbi;
- LTE B28:-6dbi;
- WCDMA 1/ LTE B1:-3dbi;
- WCDMA 2/ LTE B2/PCS1900:-2.5dbi;
- WCDMA 4/ LTE B4/ LTE B66:-3dbi;
- DCS1800/ LTE B3:-4dbi;
- LTE B7/B38/B40/B41:-1dbi;

## 2.BTM Antenna

Support Bands:

A/B BOM:

- GSM900drx/1800trx;
- WCDMA B1trx/B8drx;
- LTE B1trx/B3trx/B7trx/B8drx/B20drx/28Adrx/B40trx;

C/D BOM:

- GSM850drx/900drx/1800trx/1900trx;
- WCDMA B1trx/B5drx/B8drx;
- LTE B1trx/B3trx/B5drx/B8drx/B38trx/B40trx/B41trx;

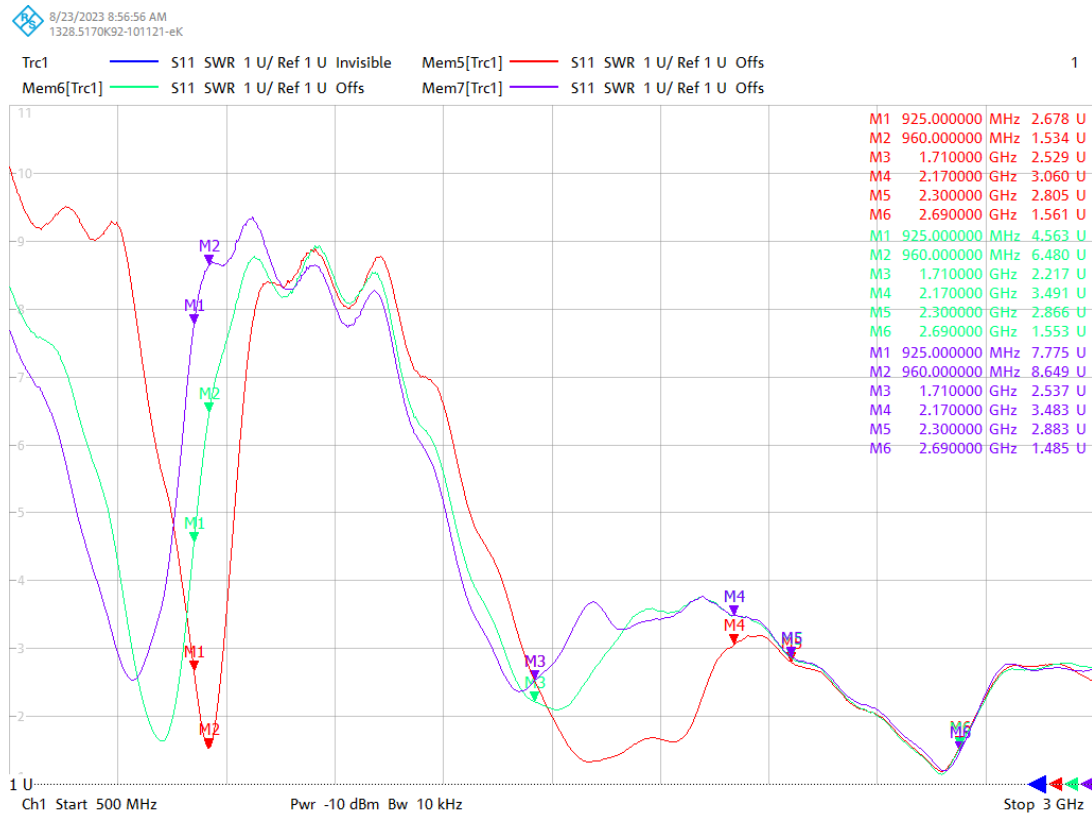
E/F/J/K BOM:

- GSM850drx/900drx/1800trx/1900trx;
- WCDMA B1trx/B2trx/B4trx/B5drx/B8drx;
- LTE B1trx/B2trx/B3trx/B4trx/B5drx/B7trx/B8drx/B12drx/B17drx/B20drx/B28Adrx/B28Bdrx/B38trx/B40trx/B41trx/B66trx;

G/H BOM:

- GSM850drx/900drx/1800trx/1900trx;
- WCDMA B1trx/B5drx/B8drx;
- LTE B1trx/B3trx/B5drx/B7trx/B8drx/B20drx/B28Adrx/B38trx/B40trx/B41trx;

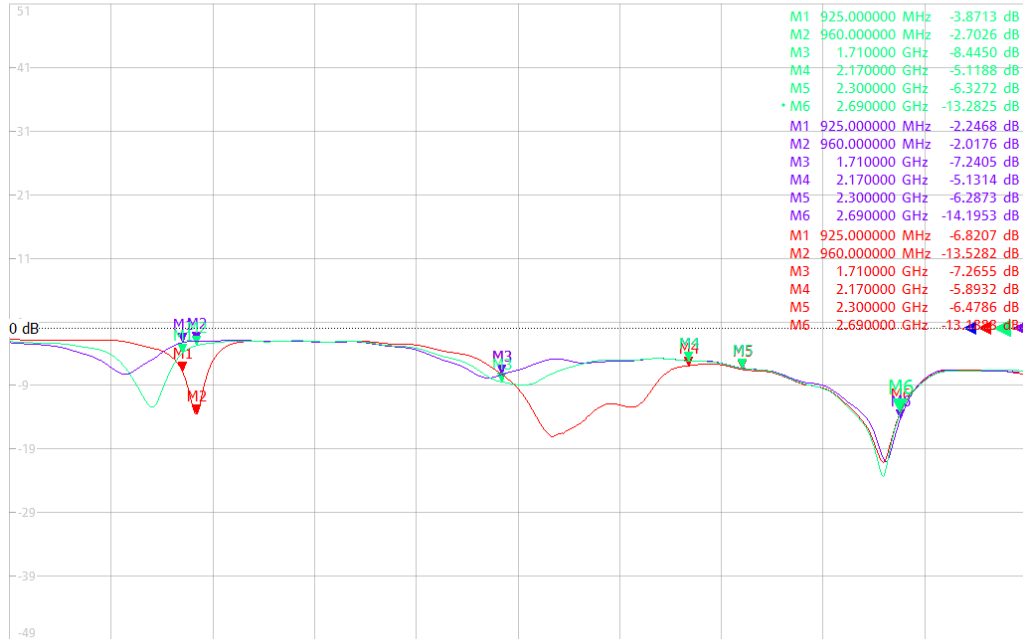
VSWR:



RL:

8/23/2023 8:58:29 AM  
1328.5170K92-101121-eK

Trc1 S11 dB Mag 10 dB/ Ref 0 dB Invisible Mem5[Trc1] S11 dB Mag 10 dB/ Ref 0 dB Offs  
Mem6[Trc1] S11 dB Mag 10 dB/ Ref 0 dB Offs Mem7[Trc1] S11 dB Mag 10 dB/ Ref 0 dB Offs

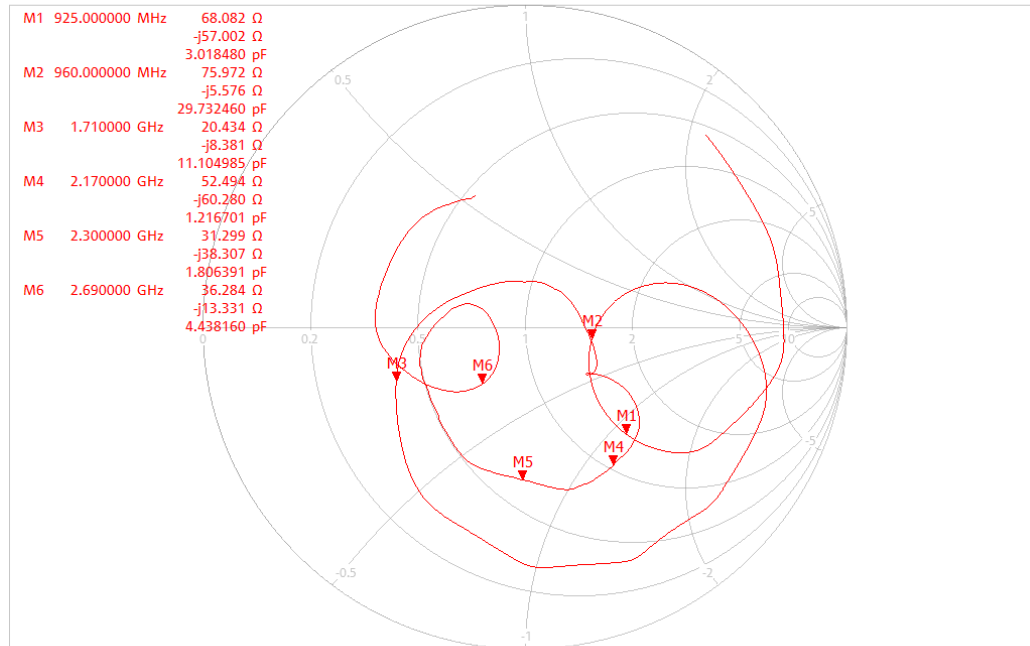


Ch1 Start 500 MHz Pwr -10 dBm Bw 10 kHz Stop 3 GHz

SMITH:

8/23/2023 8:57:33 AM  
1328.5170K92-101121-eK

Trc1 S11 Smith 200 mU/ Ref 1 U Invisible Mem5[Trc1] S11 Smith 200 mU/ Ref 1 U Offs  
Mem6[Trc1] S11 Smith 200 mU/ Ref 1 U Invisible Mem7[Trc1] S11 Smith 200 mU/ Ref 1 U Invisible



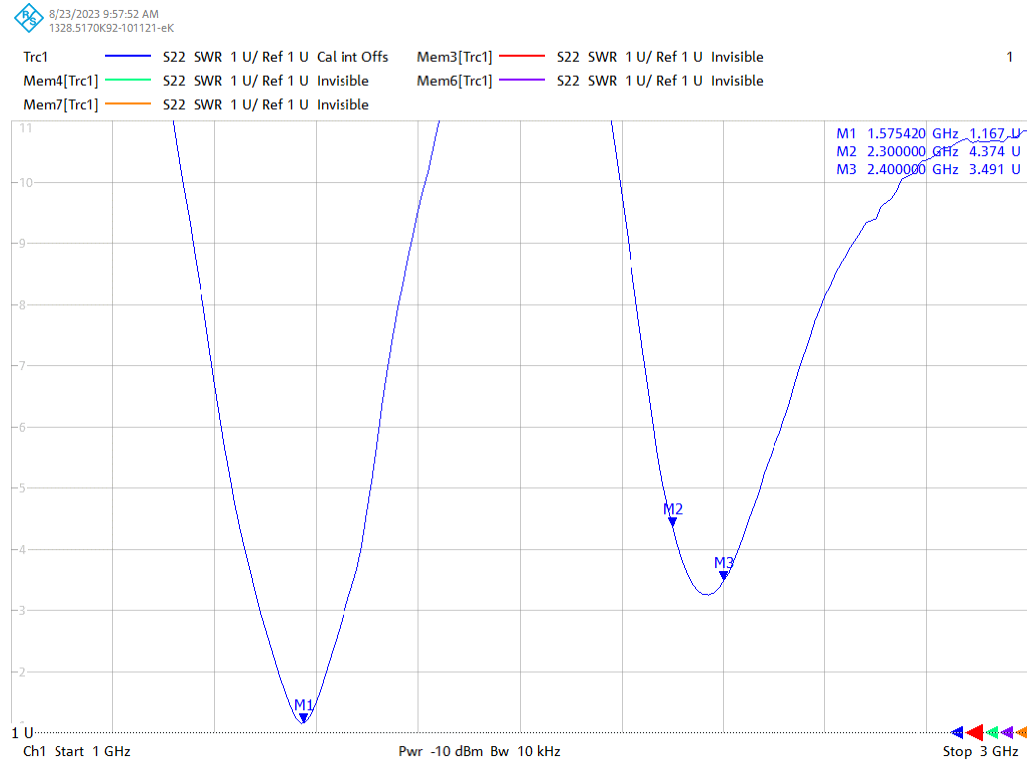
Ch1 Start 500 MHz Pwr -10 dBm Bw 10 kHz Stop 3 GHz

Max gain of btm antenna:

WCDMA 2/ LTE B2/PCS1900:-1.5dbi;  
 WCDMA 4/ LTE B4/ LTE B66:-1.5dbi;  
 WCDMA B5/ LTE B5/GSM850: -7dbi;  
 WCDMA B8/ LTE B8/GSM900:-8dbi;  
 LTE B12/B17:-7dbi;  
 LTE B20:-7dbi;  
 LTE B28:-7dbi;  
 WCDMA B1/ LTE B1:-1.5dbi;  
 DCS1800/ LTE B3:-1dbi;  
 LTE B7/B38/B40/B41:-1.5dbi;

### 3.GPS/BT/2.4G WIFI Antenna

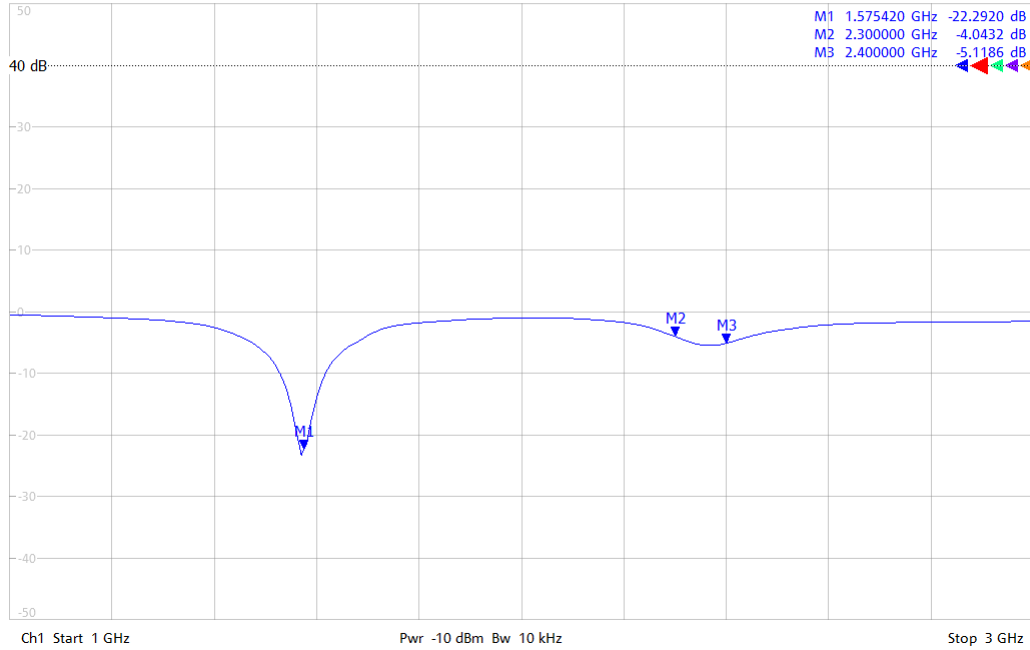
VSWR:



RL:

8/23/2023 9:59:59 AM  
1328.5170K92-101121-ek

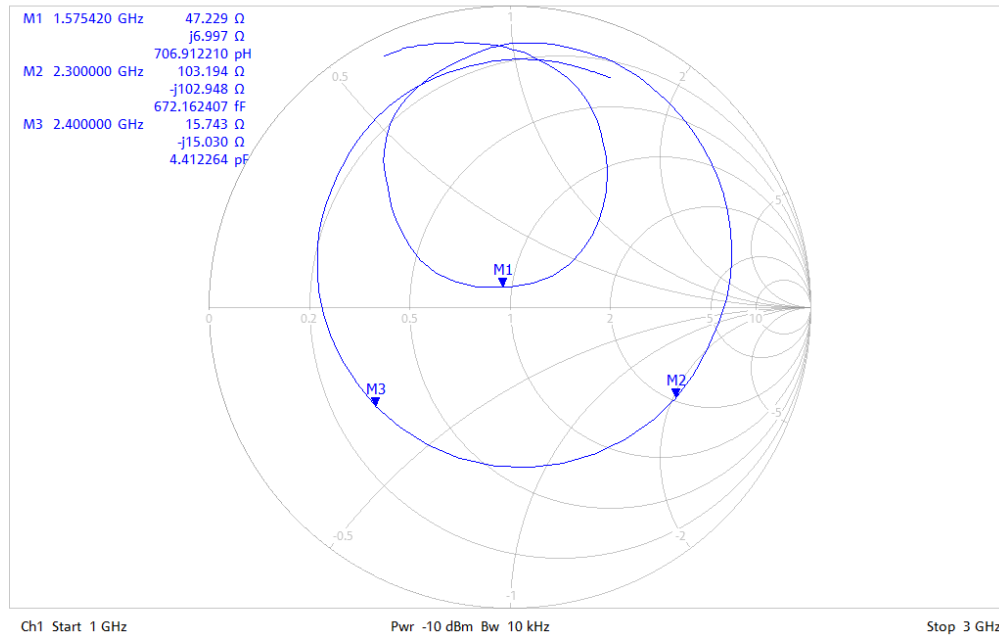
Trc1 S22 dB Mag 10 dB/ Ref 40 dB Cal int Offs Mem3[Trc1] S22 dB Mag 10 dB/ Ref 40 dB Invisible 1  
Mem4[Trc1] S22 dB Mag 10 dB/ Ref 40 dB Invisible Mem6[Trc1] S22 dB Mag 10 dB/ Ref 40 dB Invisible  
Mem7[Trc1] S22 dB Mag 10 dB/ Ref 40 dB Invisible



### SMITH:

8/23/2023 9:58:16 AM  
1328.5170K92-101121-ek

Trc1 S22 Smith 200 mU/ Ref 1 U Cal int Offs Mem3[Trc1] S22 Smith 200 mU/ Ref 1 U Invisible 1  
Mem4[Trc1] S22 Smith 200 mU/ Ref 1 U Invisible Mem6[Trc1] S22 Smith 200 mU/ Ref 1 U Invisible  
Mem7[Trc1] S22 Smith 200 mU/ Ref 1 U Invisible



MAX gain about GPS/BT/2.4G WIFI antenna:

BT/2.4GWIFI: -3dB;

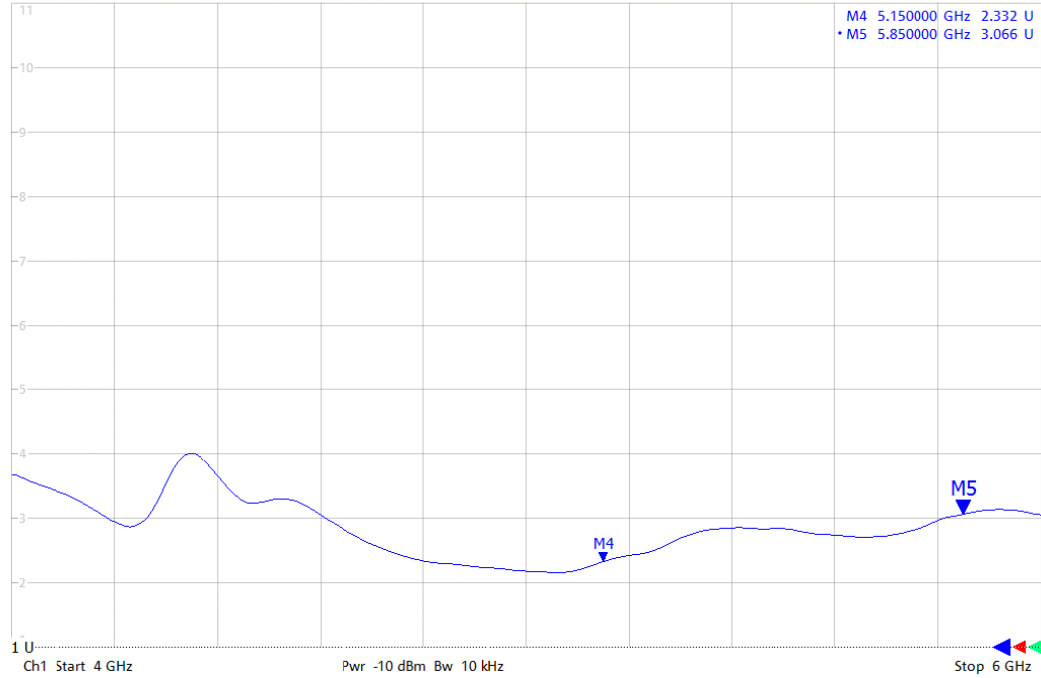
GPS (1.57542Ghz) : 0dB;

# 3.5G WIFI Antenna

VSWR:

8/23/2023 10:04:03 AM  
1328.5170K92-101121-eK

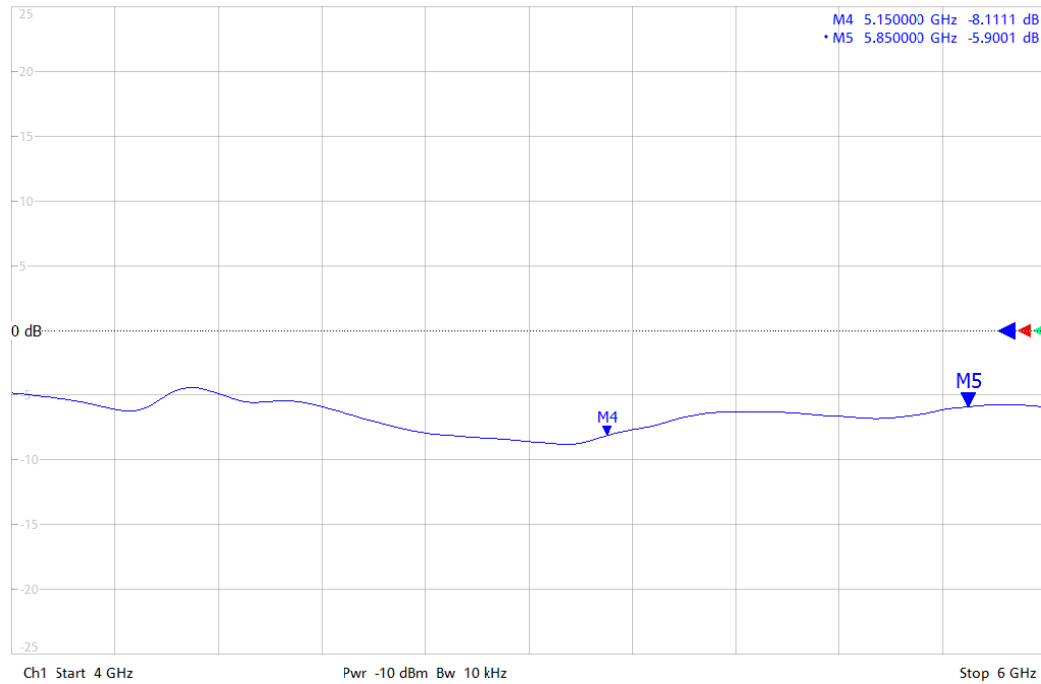
Trc1 S22 SWR 1 U/ Ref 1 U Cal int Smo Offs Mem5[Trc1] S11 SWR 1 U/ Ref 1 U Invisible 1  
Mem6[Trc1] S11 SWR 1 U/ Ref 1 U Invisible



RL:

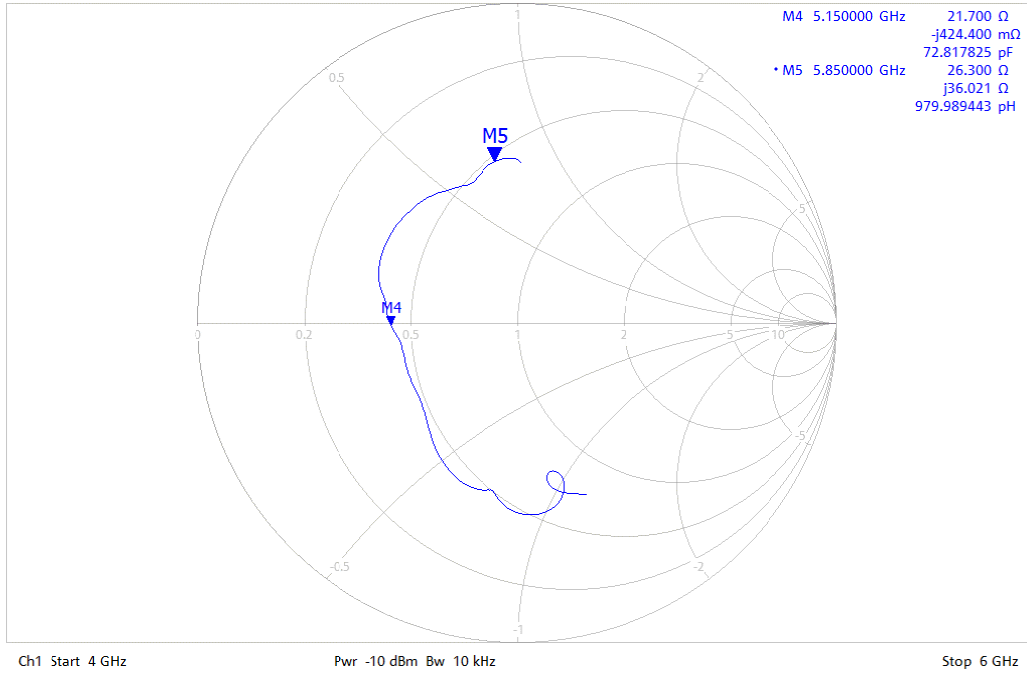
8/23/2023 10:04:18 AM  
1328.5170K92-101121-eK

Trc1 S22 dB Mag 5 dB/ Ref 0 dB Cal int Smo Offs Mem5[Trc1] S11 dB Mag 5 dB/ Ref 0 dB Invisible 1  
Mem6[Trc1] S11 dB Mag 5 dB/ Ref 0 dB Invisible



SMITH:





MAX gain about 5G WIFI antenna:-1 dBi;

制造商名称(Manufacturer):

浙江海通通讯电子股份有限公司

(Zhejiang Haitong communications electronic Limited by Share Ltd.)

地址:浙江省温州龙湾区滨海园区滨海一道 1607 号

(Add: No. 1607 Binhai Road, Binhai Park, Wenzhou economic and Technological Development Zone, Zhejiang.)

Antenna Type: (Internal Antenna)

GSM/WCDMA/LTE Antenna: PIFA

BT/WIFI Antenna: PIFA

DRX Antenna: PIFA

Model number of the antenna:

TOP Antenna: BG7\_GSM\_V1.0

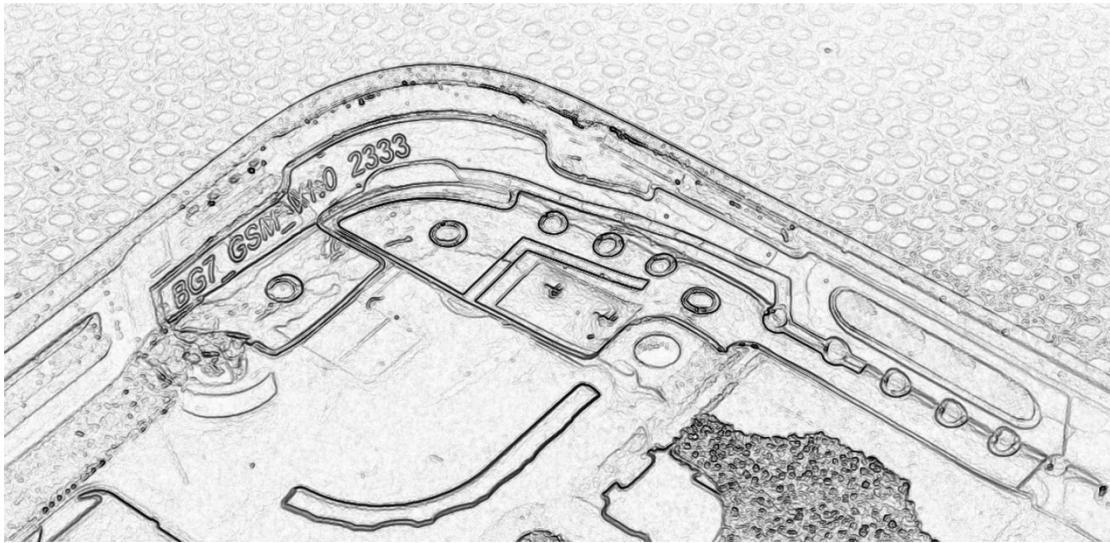
BTM Antenna: BG7\_LTE\_V1.0

GPS/BT/2.4G WIFI Antenna: BG7\_BWG\_V1.0

5G Wi-Fi: BG7\_BWG\_V1.0

Antenna Photo:

TOP Antenna(2&3&4G Below 1G ANT):



BTM Antenna: (2&3&4G above 1G ANT):

