

A/B/C/D/Aa/Ab/Ac/Ad:

2G:

B3/B8

3G:

B1/B8

4G:

B1/B3/B7/B8/B20/B28A/B38/B40/B41(120M)

E/F/G/H/Ae/Af/Ag/Ah:

2G:

B2/B3/B5/B8

3G:

B1/B5/B8

4G:

B1/B3/B5/B8/B38/B40/B41(120M)

J/K/L/M:

2G:

B2/B3/B5/B8

3G:

B1/B5/B8

4G:

B1/B3/B5/B8/B28/B38/B40/B41(Full)

N/O/P/Q/Aj/Ak/Al/Am:

2G:

B2/B3/B5/B8

3G:

B1/B2/B4/B5/B8

4G:

B1/B2/B3/B4/B5/B7/B8/B12/B17/B20/B28A/B28B/B38/B40/B41(120M)/B66

Ba/Bb:

2G:

B2/B3/B5/B8

3G:

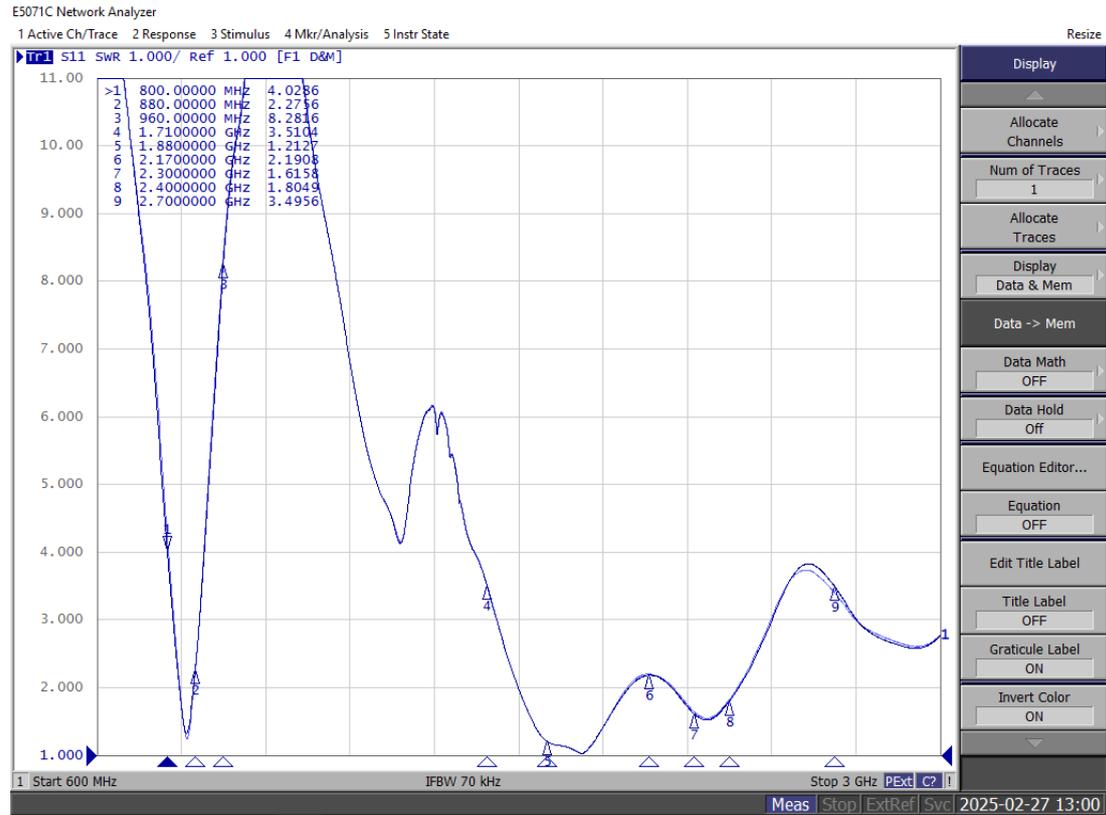
B1/B2/B4/B5/B8

4G:

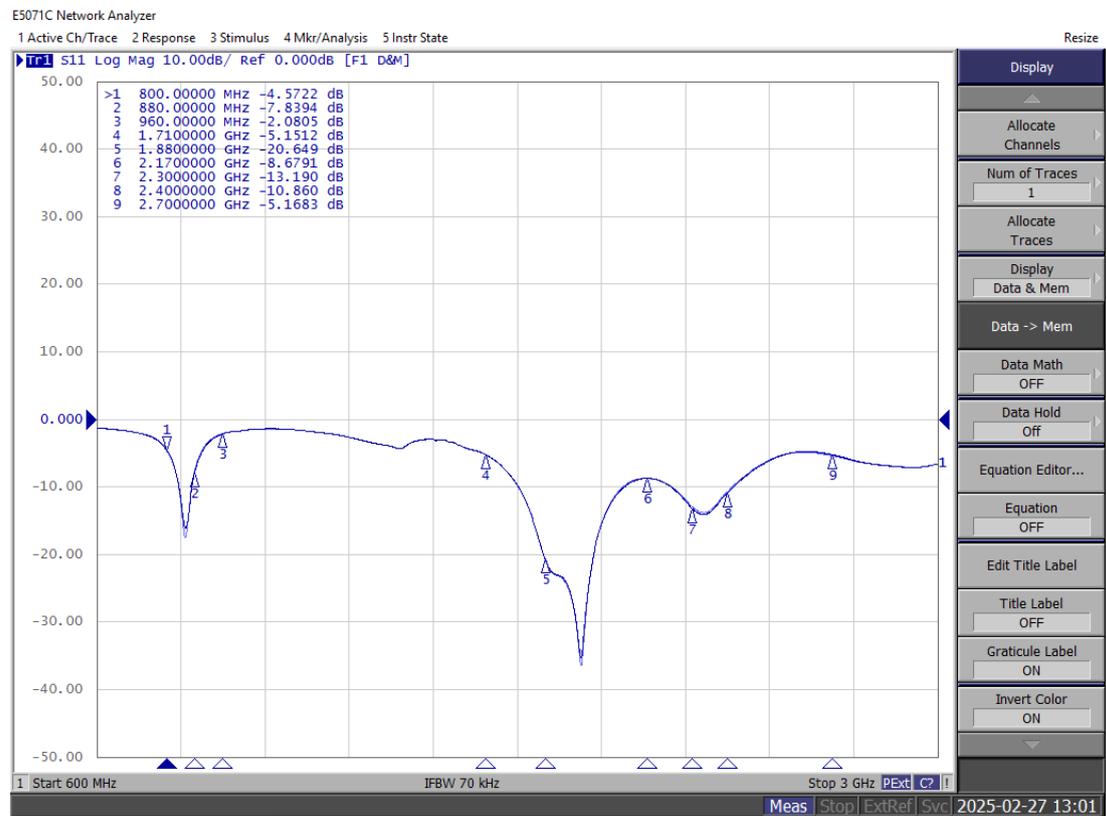
B1/B2/B3/B4/B5/B7/B8/B12/B13/B17/B26/B28A/B28B/B38/B40/B41(120M)/B66

Top Antenna

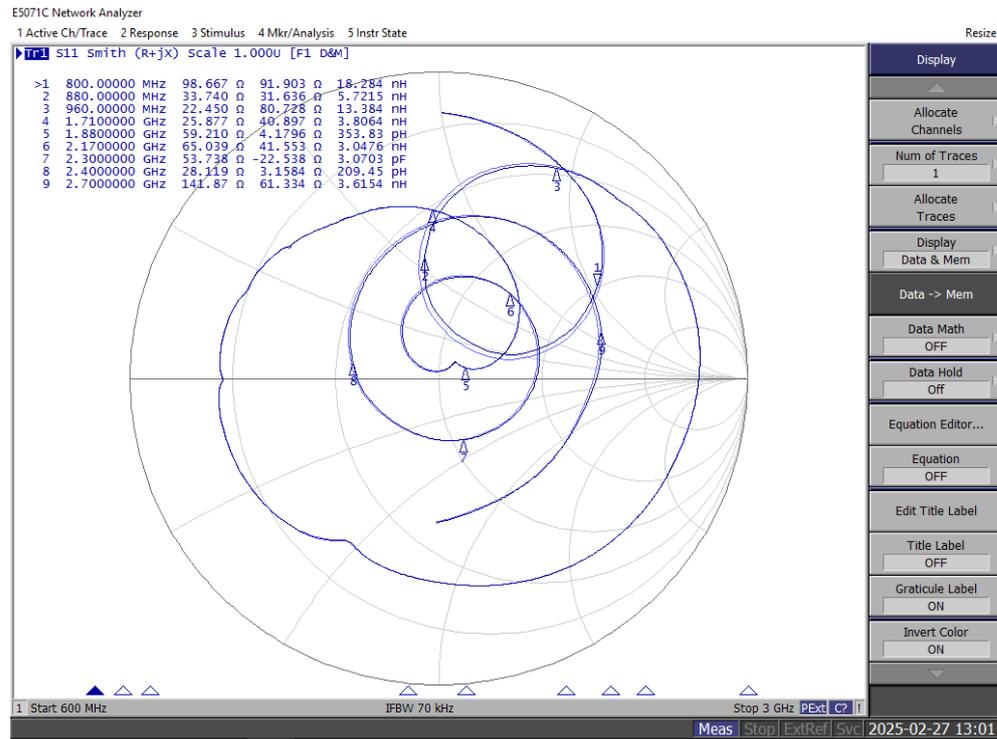
VSWR:



RL:



SMITH:



Top Antenna gain:

GSM 850 average: -5dBi;
EGSM 900 average: -6dBi;
DCS1800 average: -4dBi;
PCS1900 average: -3dBi;
WCDMA B1 average: -3dBi;
WCDMA B2 average: -3dBi;
WCDMA B4 average: -4dBi;
WCDMA B5 average: -5dBi;
WCDMA B8 average: -6dBi;
LTE FDD B1 average: -3dBi;
LTE FDD B2 average: -3dBi;
LTE FDD B3 average: -4dBi;
LTE FDD B4 average: -4dBi;
LTE FDD B5 average: -5dBi;
LTE FDD B7 average: -2dBi;
LTE FDD B8 average: -6dBi;
LTE FDD B12 average: -6dBi;
LTE FDD B13 average: -7dBi;
LTE FDD B17 average: -6dBi;
LTE FDD B20 average: -5dBi;
LTE FDD B26 average: -5dBi;
LTE FDD B28 average: -6dBi;
LTE FDD B38 average: -2dBi;
LTE TDD B40 average: -3dBi;
LTE TDD B41 average: -2dBi;
LTE FDD B66 average: -4dBi;

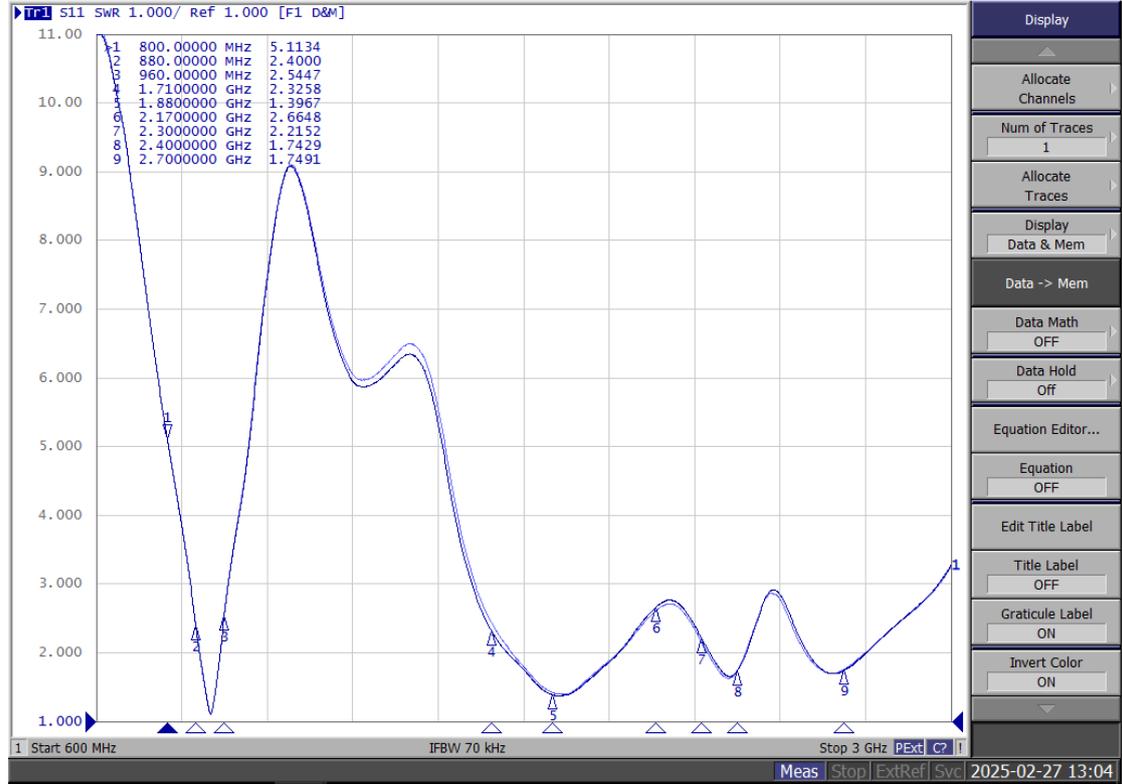
Bottom Antenna:

VSWR:

E5071C Network Analyzer

1 Active Ch/Trace 2 Response 3 Stimulus 4 Mkr/Analysis 5 Instr State

Resize

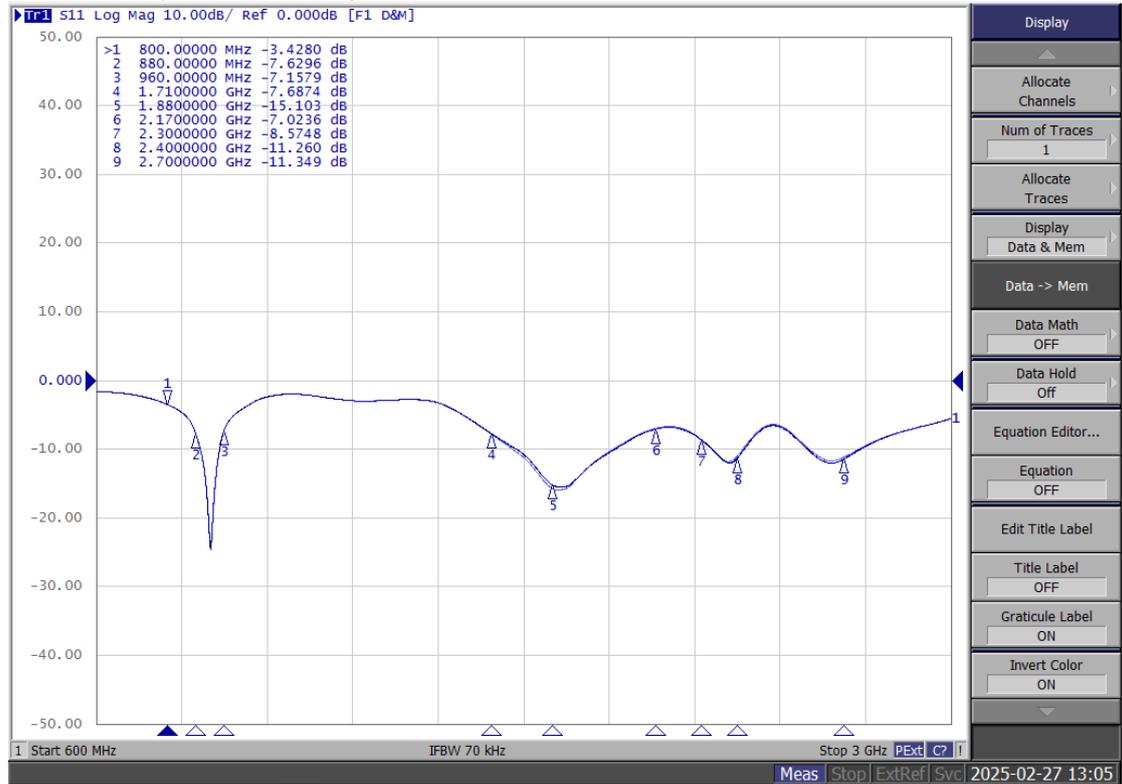


RL:

E5071C Network Analyzer

1 Active Ch/Trace 2 Response 3 Stimulus 4 Mkr/Analysis 5 Instr State

Resize

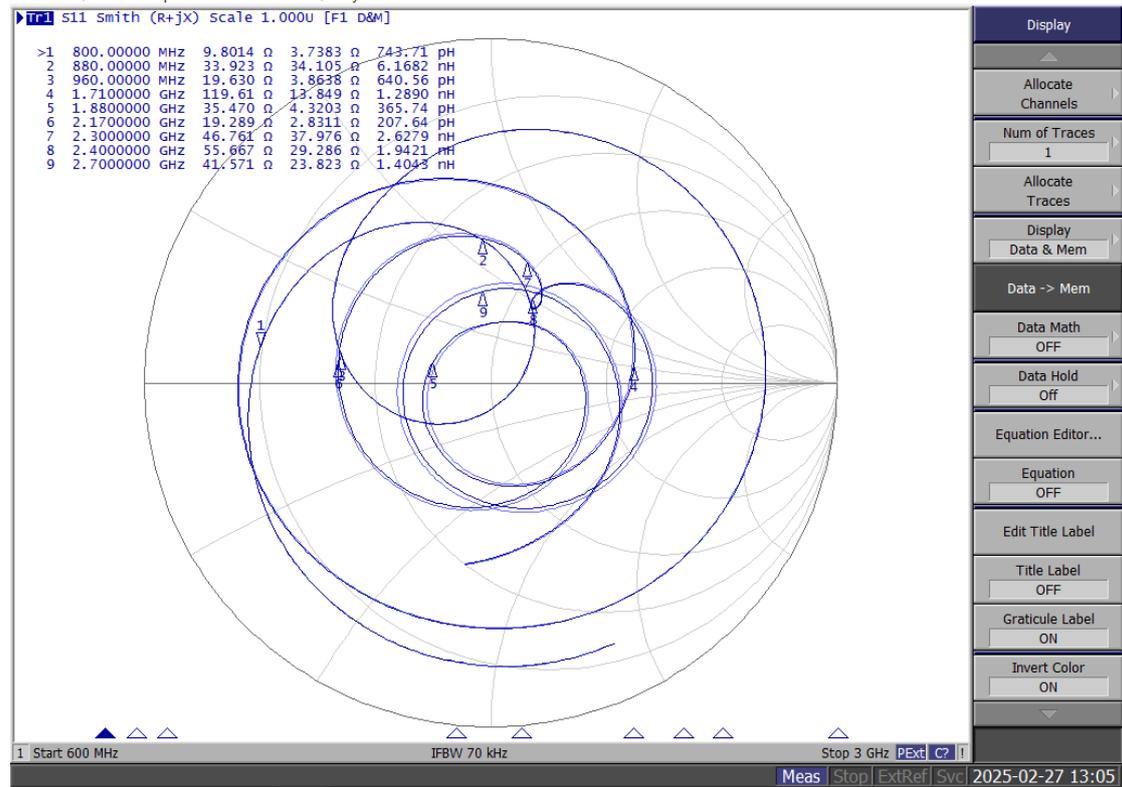


SMITH:

E5071C Network Analyzer

1 Active Ch/Trace 2 Response 3 Stimulus 4 Mkr/Analysis 5 Instr State

Resize

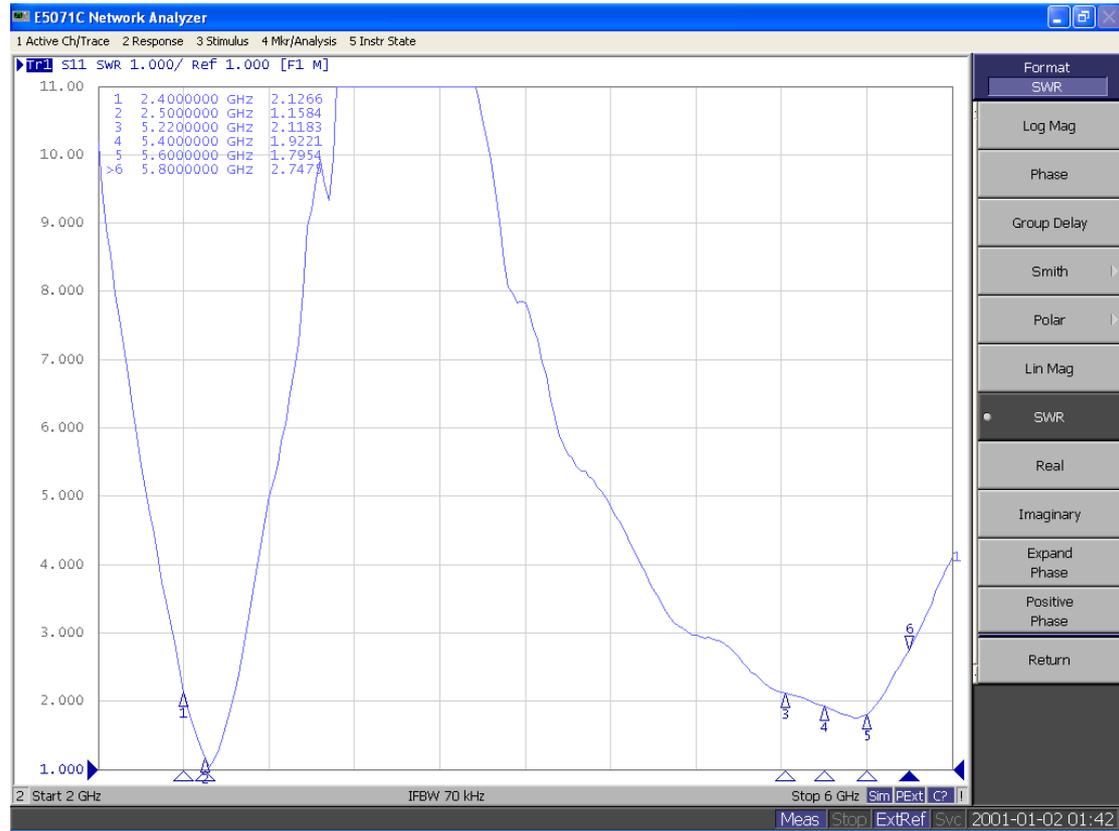


Bottom Antenna gain (Default):

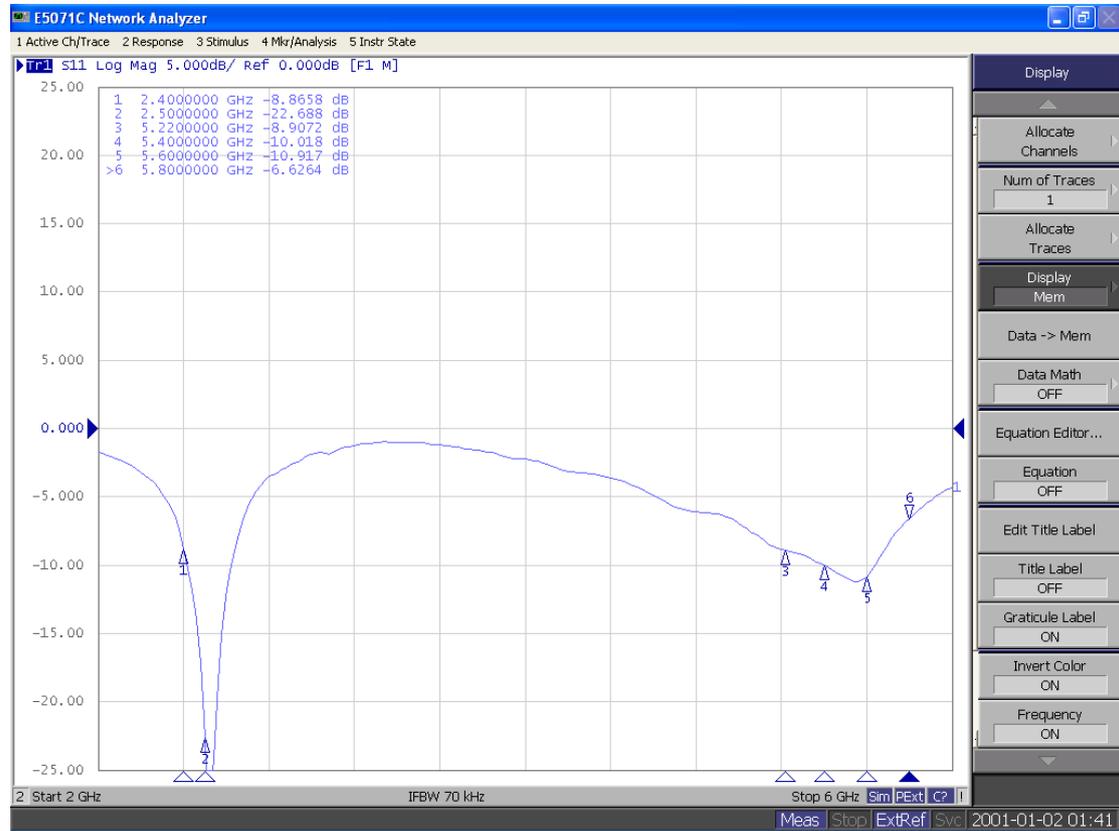
GSM 850 average: -6dBi;
EGSM 900 average: -8dBi;
DCS1800 average: -2dBi;
PCS1900 average: -2dBi;
WCDMA B1 average: -2dBi;
WCDMA B2 average: -2dBi;
WCDMA B4 average: -2dBi;
WCDMA B5 average: -6dBi;
WCDMA B8 average: -8dBi;
LTE FDD B1 average: -2dBi;
LTE FDD B2 average: -2dBi;
LTE FDD B3 average: -2dBi;
LTE FDD B4 average: -2dBi;
LTE FDD B5 average: -6dBi;
LTE FDD B7 average: -2dBi;
LTE FDD B8 average: -8dBi;
LTE FDD B12 average: -5dBi;
LTE FDD B13 average: -6dBi;
LTE FDD B17 average: -5dBi;
LTE FDD B20 average: -5dBi;
LTE FDD B26 average: -6dBi;
LTE FDD B28 average: -5dBi;
LTE FDD B66 average: -2dBi;
LTE FDD B38 average: -2dBi;
LTE TDD B40 average: -2dBi;
LTE TDD B41 average: -2dBi;

BT/2.4GWIFI/5GWIFI antenna:

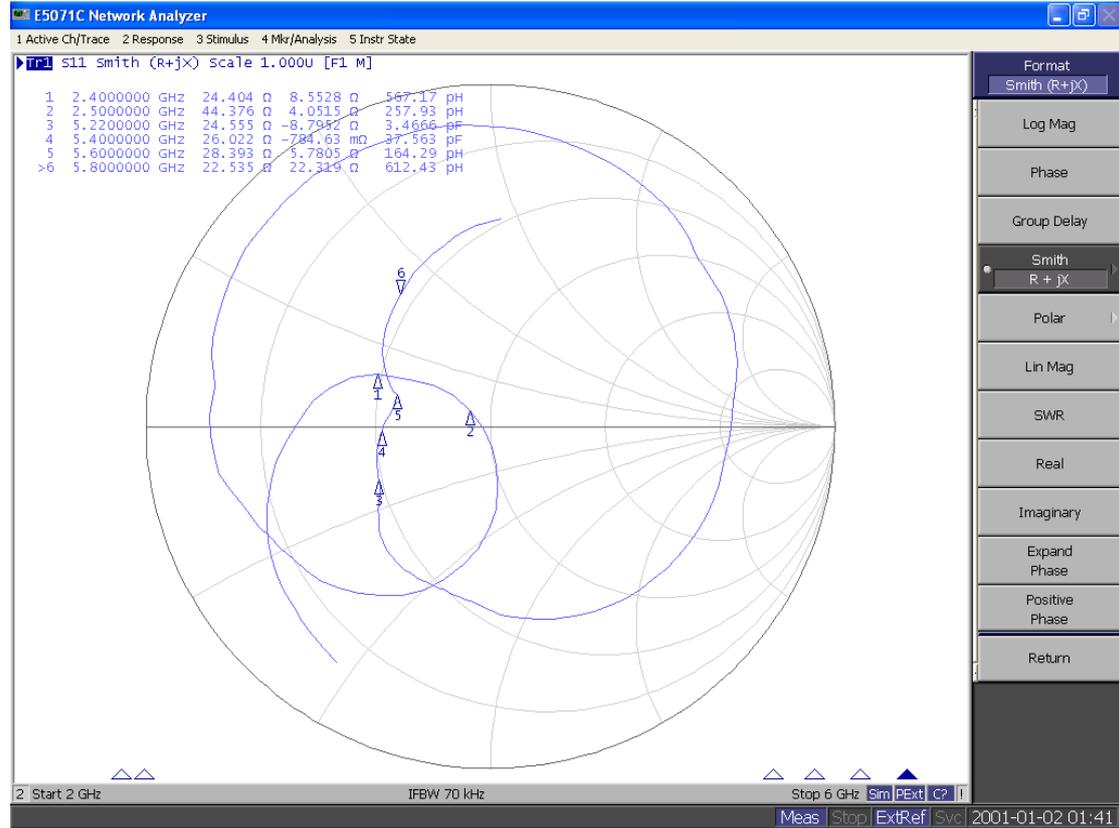
VSWR:



RL:



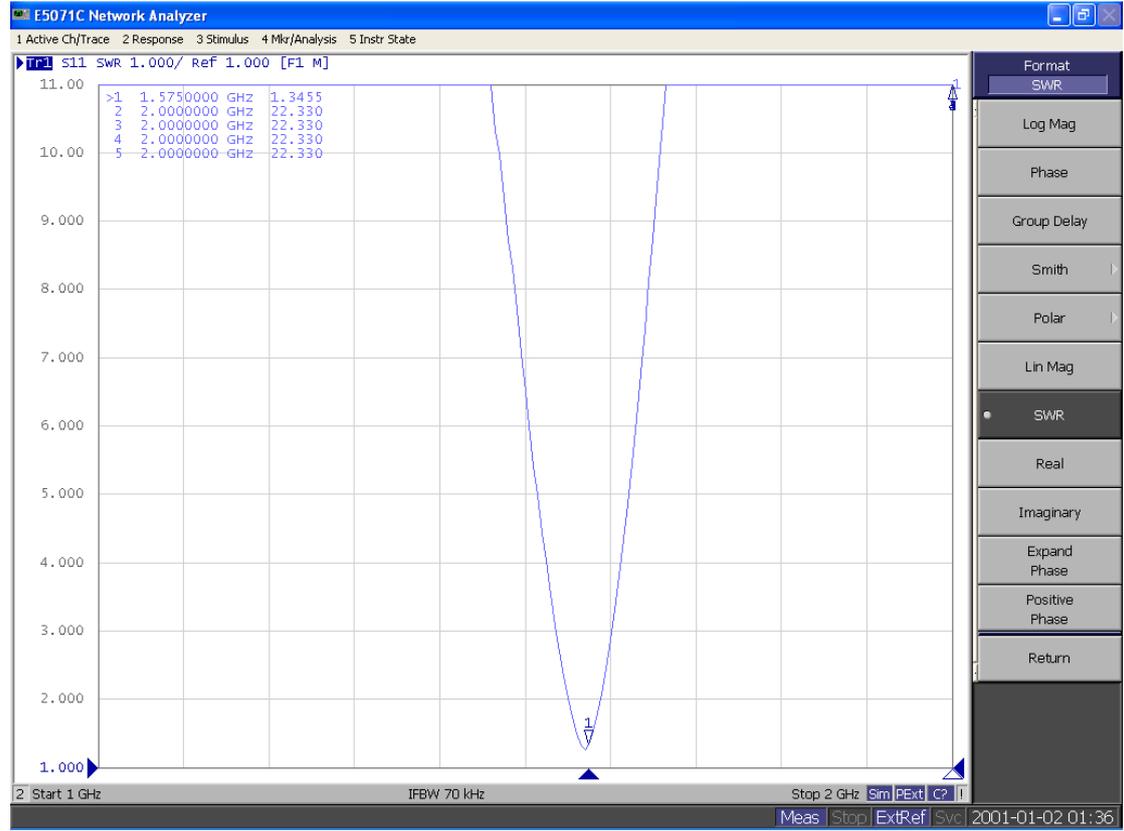
SMITH:



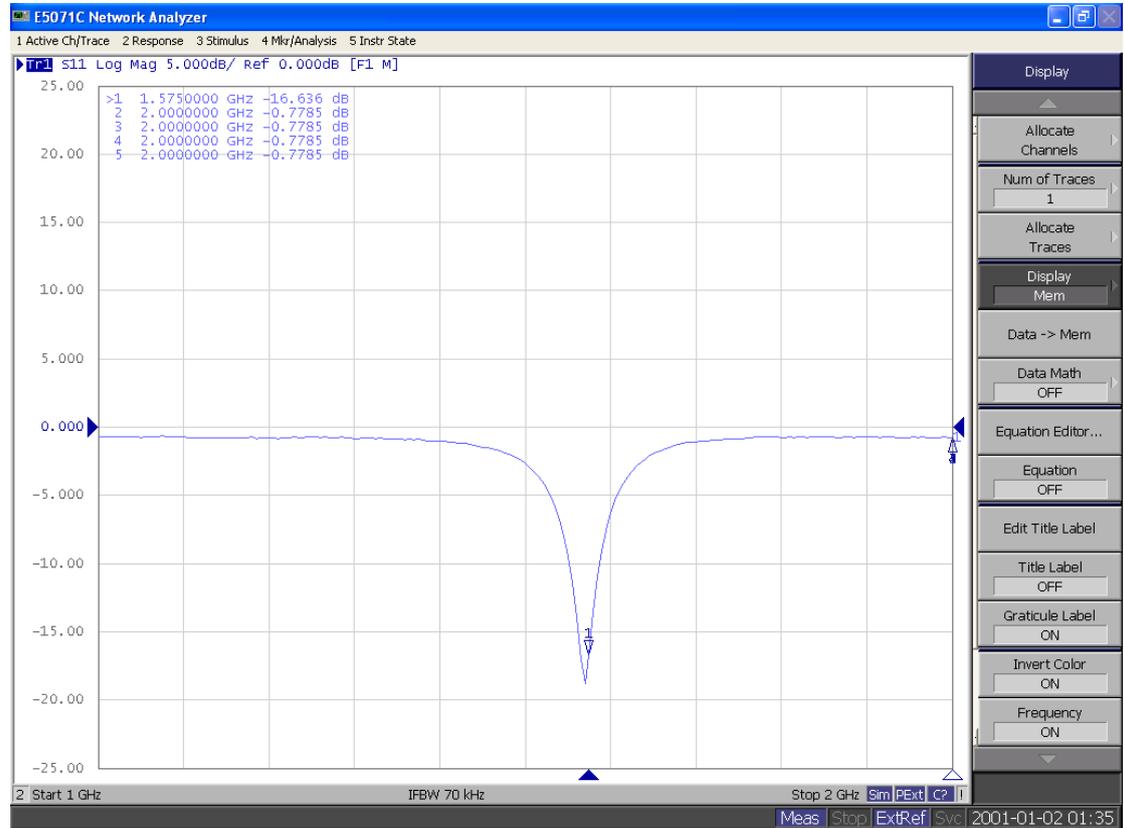
MAX gain about BT/2.4GWIFI/5GWIFI antenna:
 BT/2.4GWIFI: 1dBi;
 5G WIFI:-2 dBi;

GPS (1.57542Ghz) antenna:

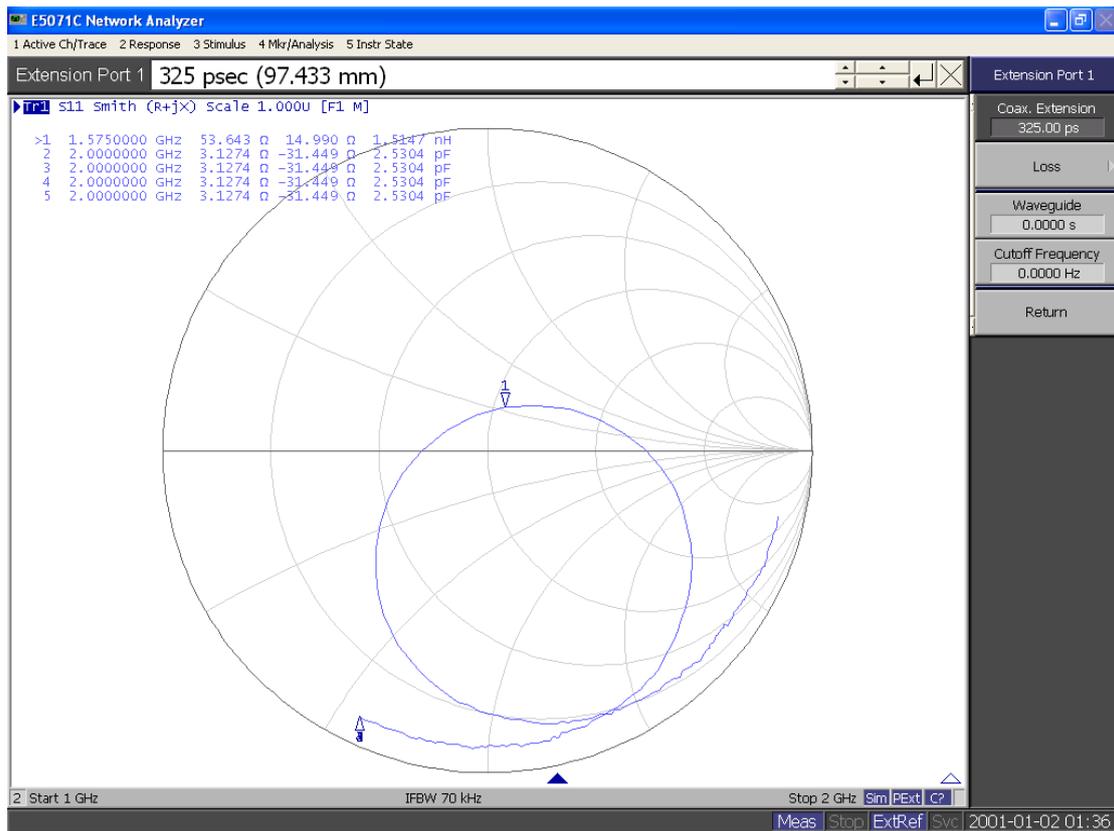
VSWR:



RL:



SIMITH:



GPS (1.57542Ghz) gain: -2dbi;

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