

部 品 承 认 书

Part No.: 1100100413
Model number: 40053A
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Engineering Co., Ltd
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1 名词解释

dBi	Decibel relative isotropic antenna
Tx	Transmit frequency
Rx	Receive frequency
TRP	Total Radiated Power
TIS	Total Isotropic Sensitivity
VSWR	Voltage Standing Wave Ratio
GSM	Global Service for Mobile communication
DCS	Digital Communication System
CDMA	Code Division Multiple Access
WCDMA	Wideband Code Division Multiple Access

2 测试设备

可根据实际情况自行增减

矢量网络分析仪

综合测试仪

SATIMO64 位暗室

3 适用频段

将适用的频段用其他颜色标出。

制式	频段
BT (2. 4G)	2412MHz~2483MHz
GPS (1. 5G)	1556MHz~1580MHz

4 基本测试项目

4.1 驻波比图

4.2 史密斯阻抗图

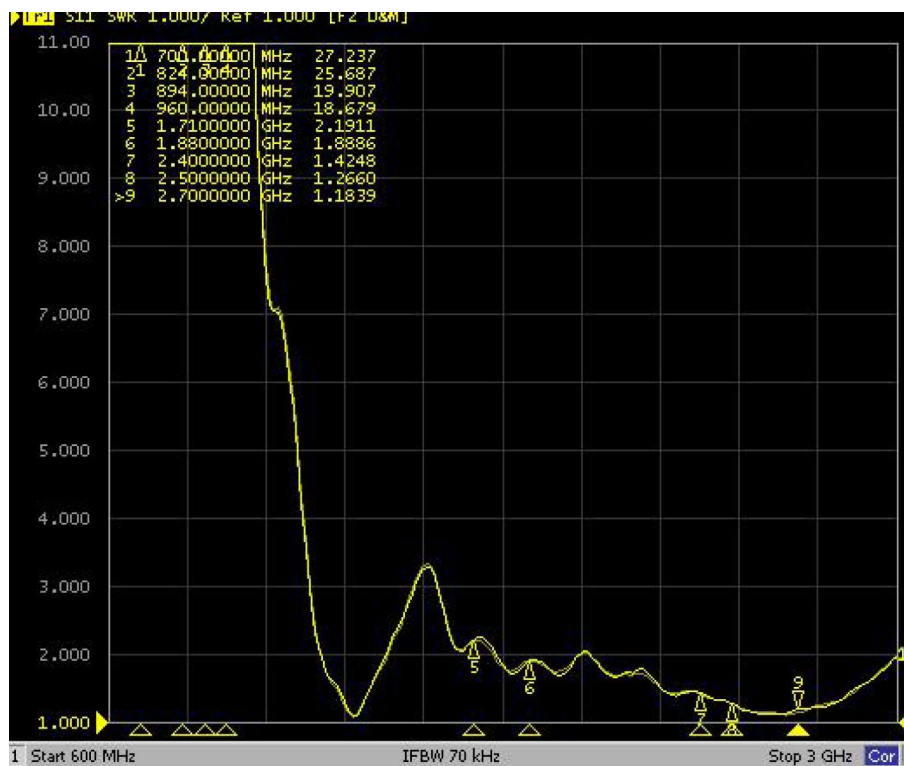
4.3 辐射方向图

4.4 增益和效率

5 测试指标和数据图表

5.1 SWR

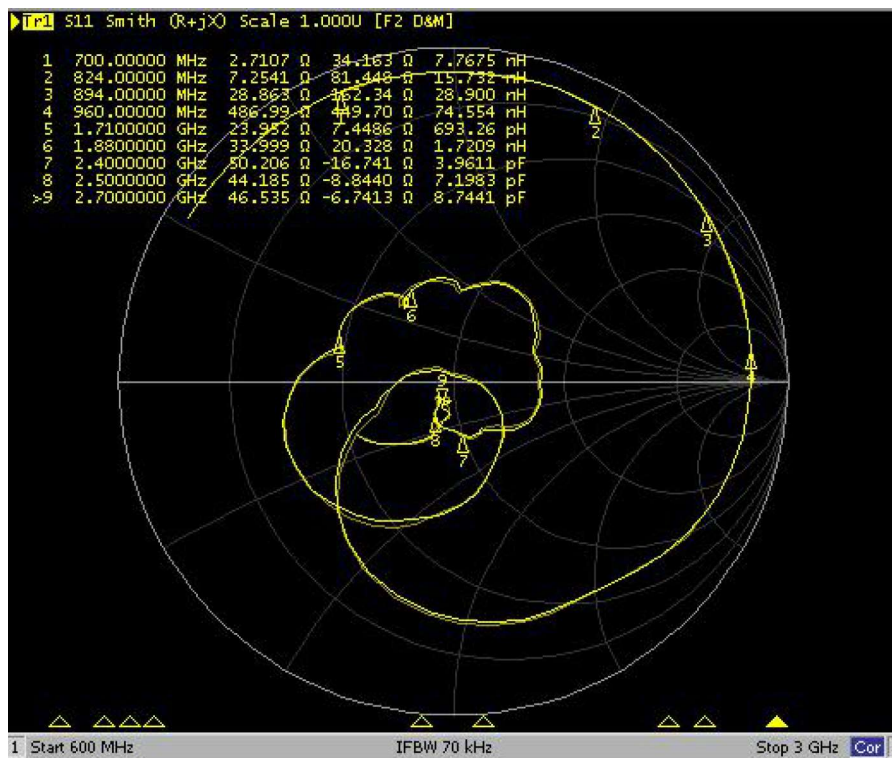
5.1.1 SWR Plot



5.1.2 SWR RESULTS

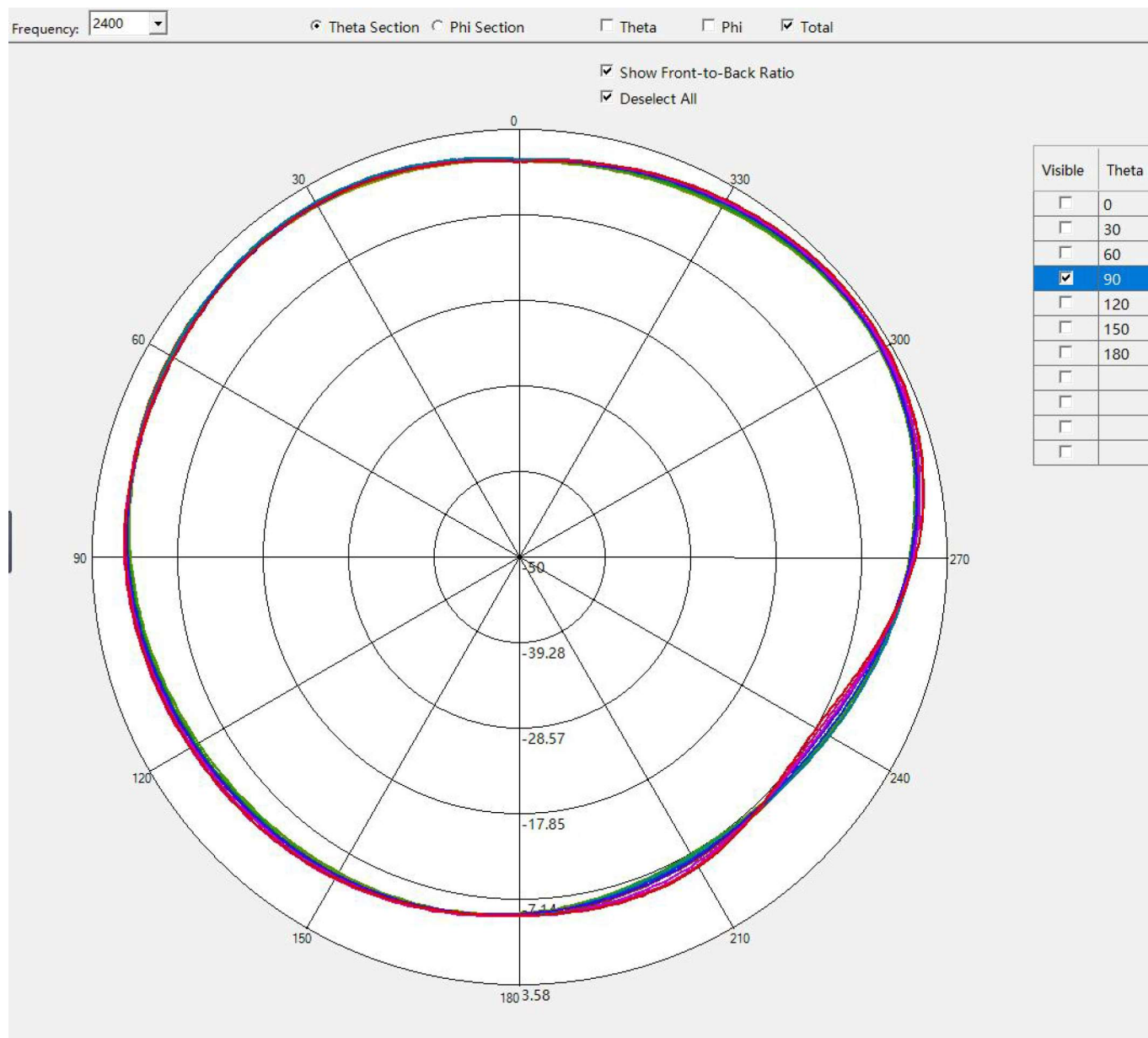
Freq/MHz	2400	2500
VSWR	1.4	1.2

5.2 史密斯阻抗圆图



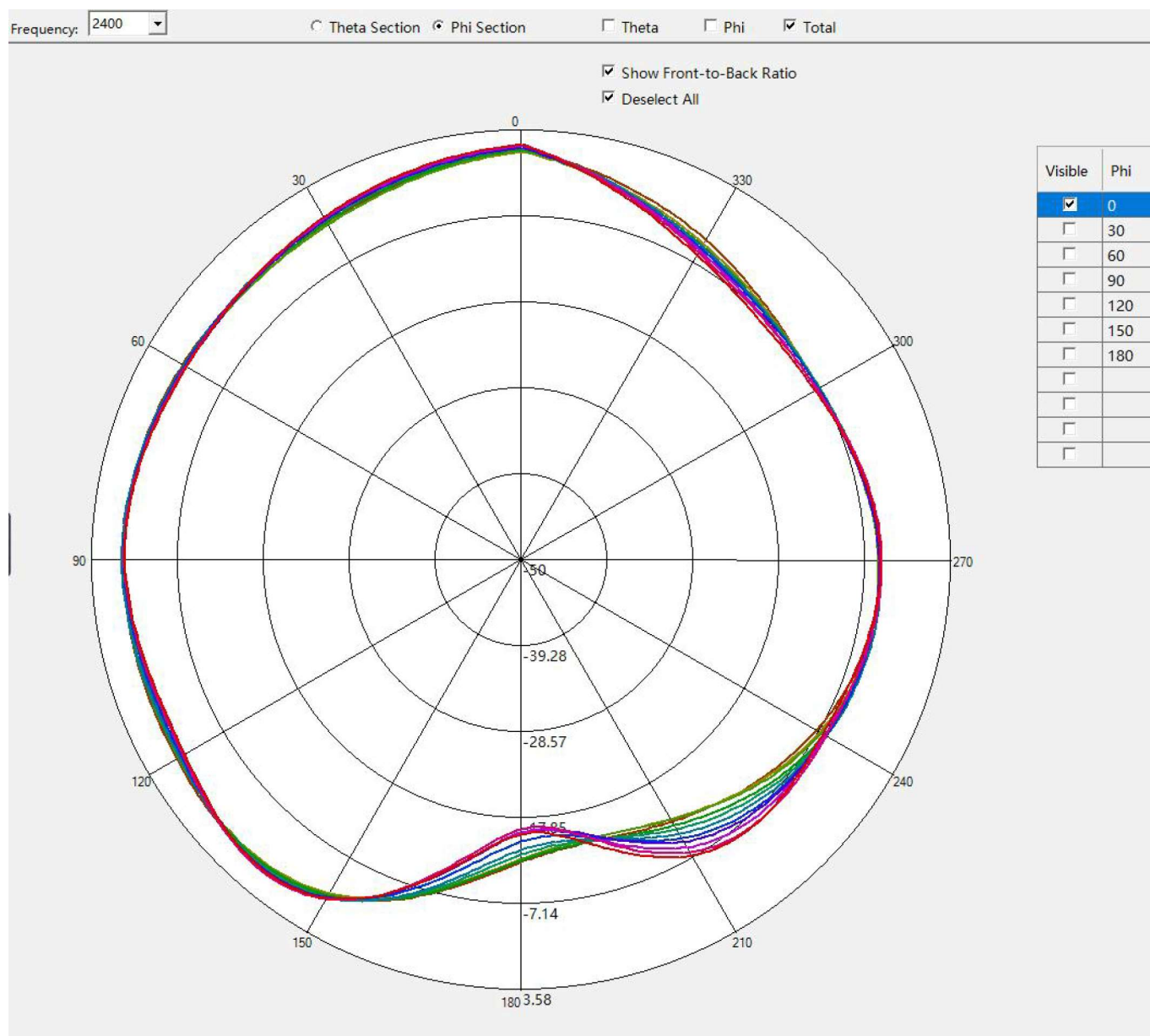
5.3 Radiation Pattern

5.3.1 H-plane

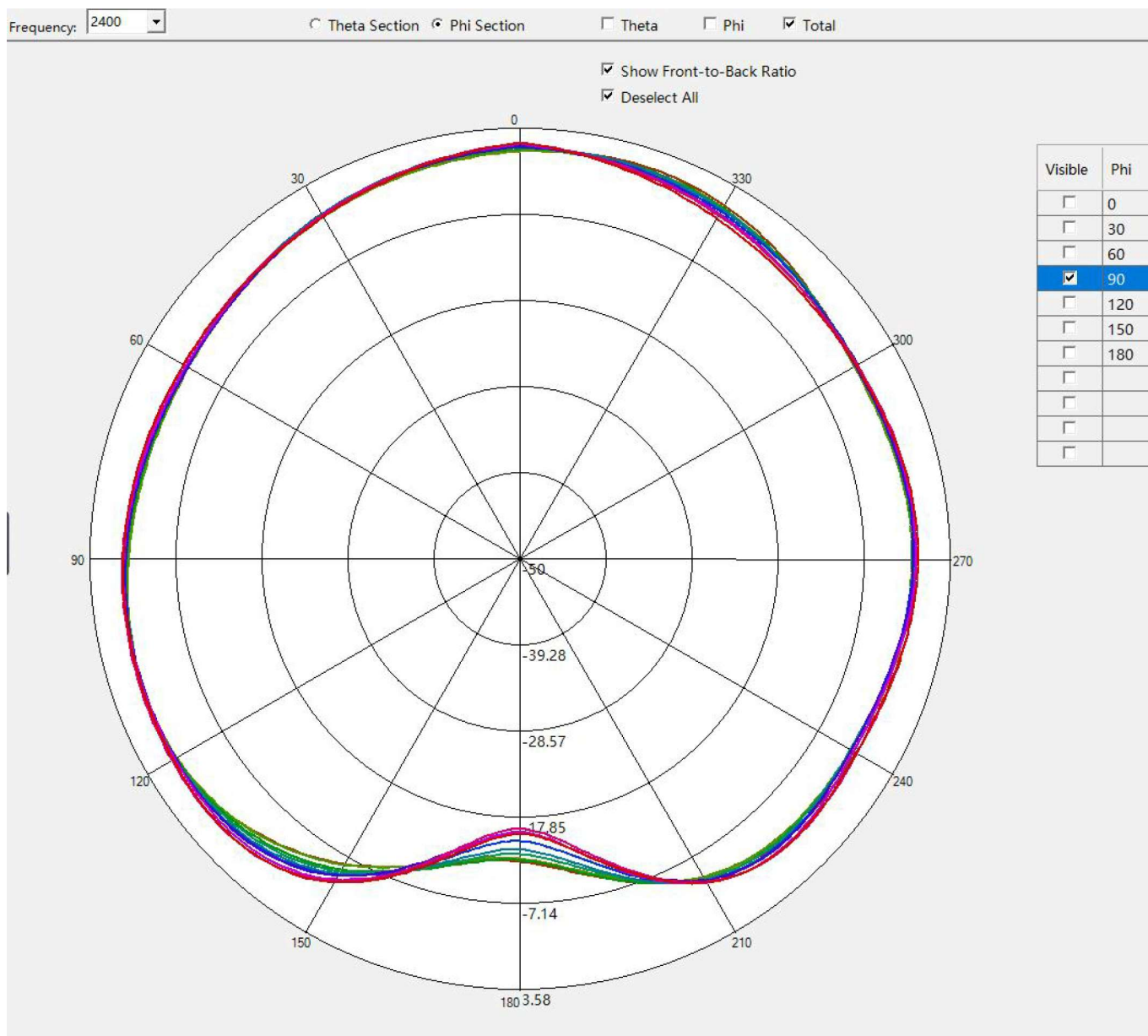


5.3.2 E-plane

E1



E2



5.4 Gain and Efficiency

Freq (MHZ)	Eff(%)	GAIN(DBi)
2400	64.71	1.91
2420	61.54	1.71
2440	60.69	1.65
2450	63.06	1.82
2460	63.98	1.86
2470	64.63	1.98
2480	62.69	1.80
2490	61.17	1.89
2500	63.80	1.96

