

深圳市麒鑫通达科技有限公司

天线测试数据报告

客户：欧奇

项目：S133

GSM: B2/B3/B5/B8

WCDMA: B1/B2/B4/B5

TDD: B38/B39/B40/B41

FDD: B1/B2/B3/B4/B5/B7/B8/B12/B13/B17/B18/B19/B20/B25/B26/B28AB/

B66

工程：熊工（187 1893 6792）

日期：2024-06-11

1. Test Project

	Test Project	Equipment
1. S Parameter	1. Return Loss (RL) 2. VSWR	Network Analyzer: Agilent 5071B
2. RF Test (2/3/4G)	1. power 2. level 3. TRP/TIS	Comprehensive Test: SP9500/CMW500/8960 Test Environment: Anechoic Chamber

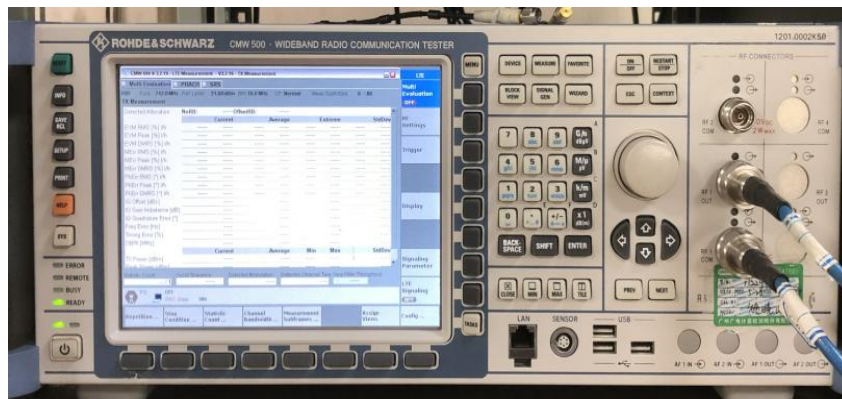
2. Test Equipment



Agilent 5071B (S Parameter (RL/VSWR) Test Equipment)



Agilent 8960 (2G/3G Test Equipment)

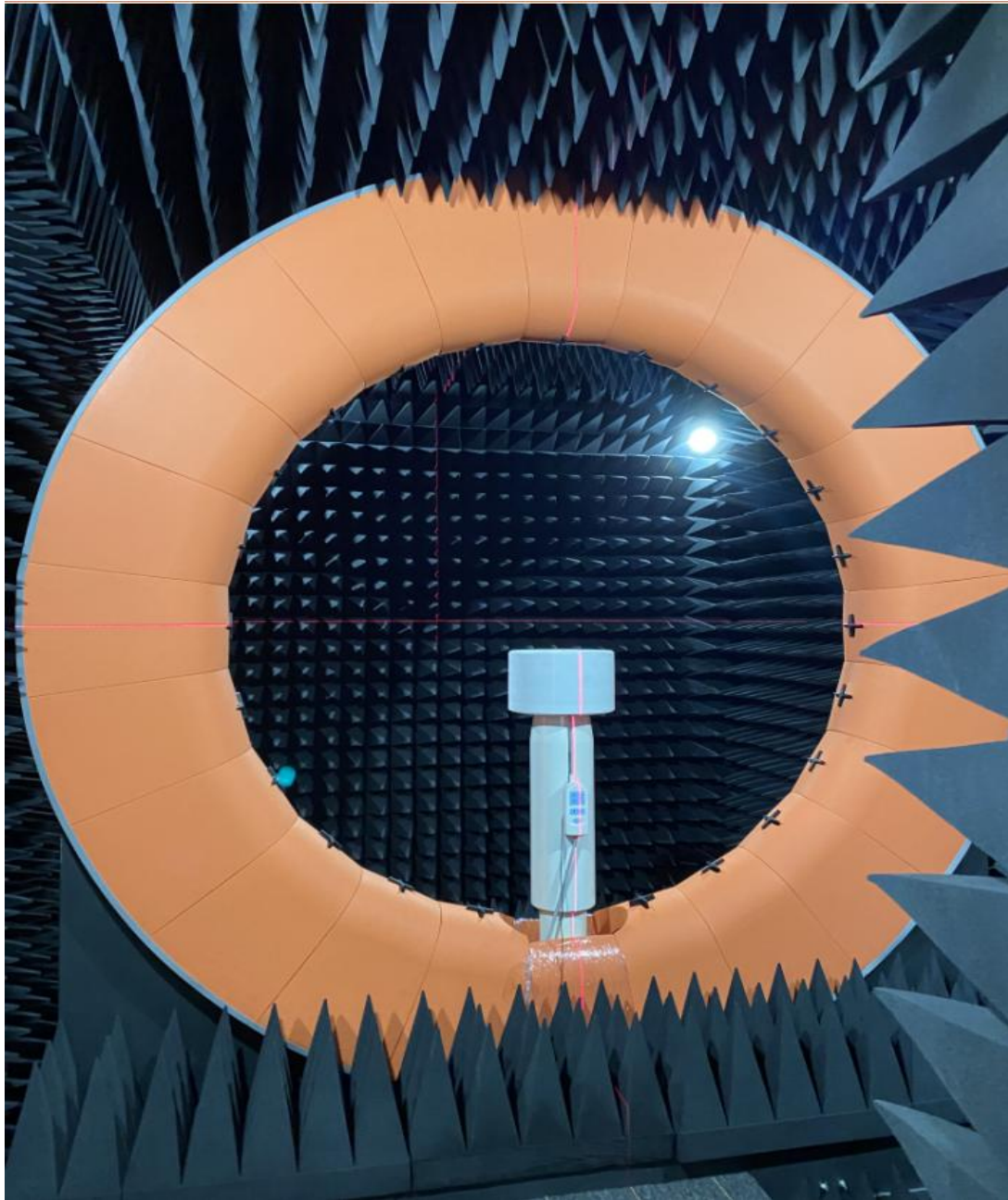


CMW 500 (2G/3G/4G Test Equipment)



SP9500 (5G Test Equipment)

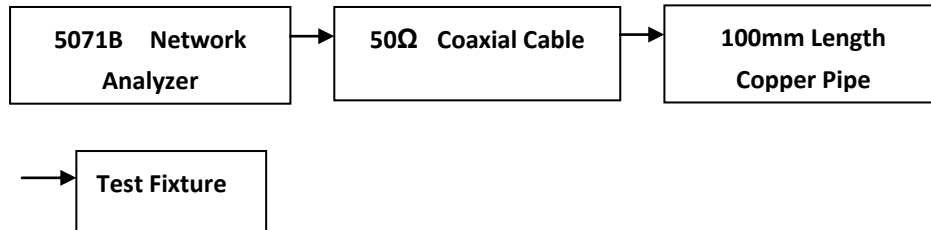
3. TestEnvironment



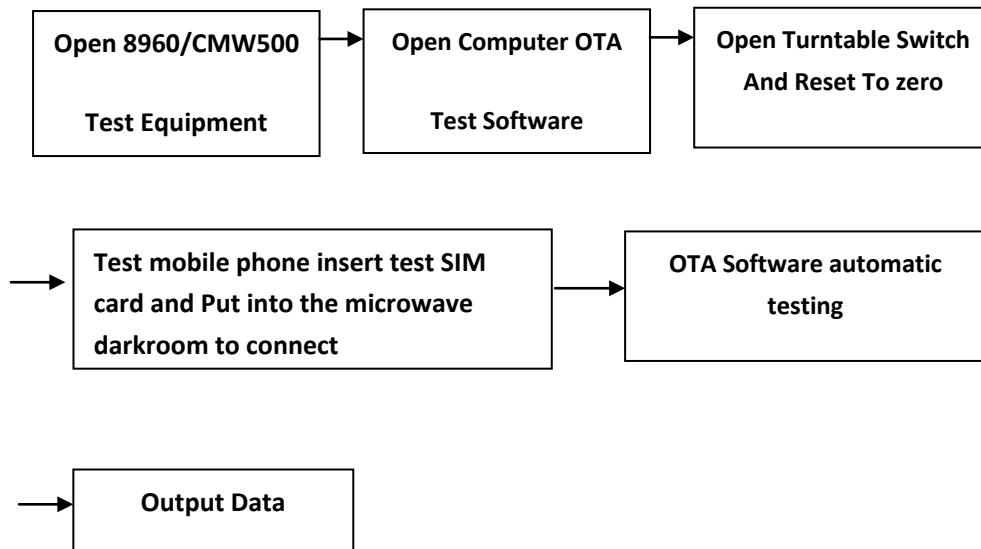
Microwave Anechoic Chamber

4.Test Steps

Passive VSWR/RL Test Steps:



Active TRP/TIS Test Steps:

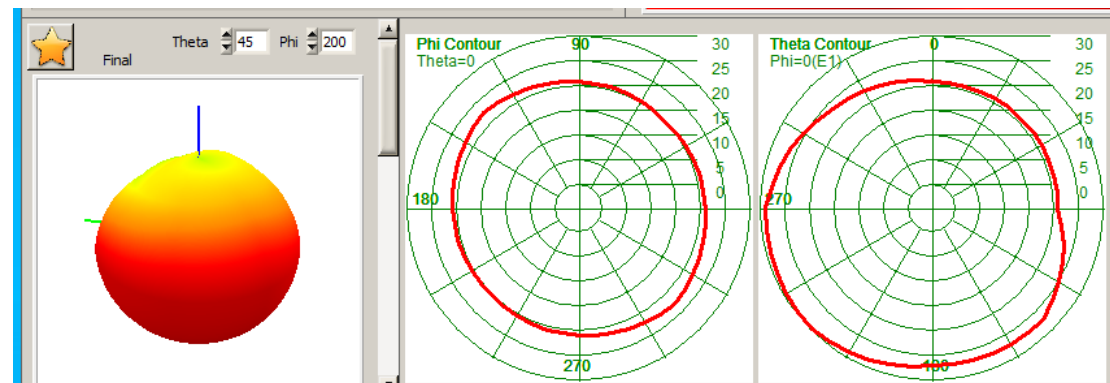


5. Antenna Gain

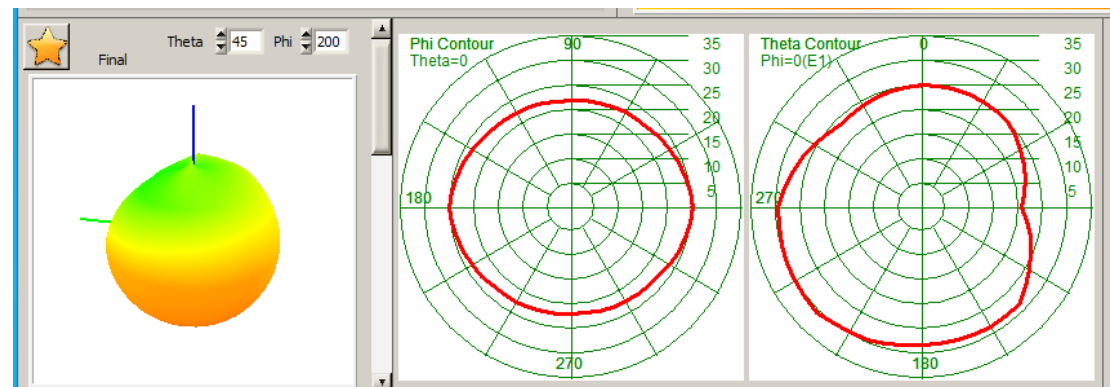
Band	Max Gain	Band	Max Gain
GSM850	-0.35	LTE-B1	-0.30
GSM900	-0.41	LTE-B2	-0.28
DCS1800	-0.17	LTE-B3	-0.17
PCS1900	-0.28	LTE-B4	-0.32
WCDMA1	-0.30	LTE-B5	-0.35
WCDMA2	-0.28	LTE-B7	-0.22
WCDMA4	-0.32	LTE-B8	-0.41
WCDMA5	-0.35	LTE-B12	-0.90
WCDMA8	-0.41	LTE-B13	-0.98
		LTE-B17	-0.90
		LTE-B18	-0.35
		LTE-B19	-0.35
		LTE-B20	-0.35
		LTE-B25	-0.28
		LTE-B26	-0.35
		LTE-B28A	-0.90
		LTE-B28B	-0.95
		LTE-B66	-0.32
Bluetooth	0.11	LTE-B38	-0.22
WIFI-2.4G	0.11	LTE-B39	-0.28
WIFI-5.8G	-0.44	LTE-B40	-0.37
GPS	-0.10	LTE-B41	-0.22

6.3D Lobe Diagram

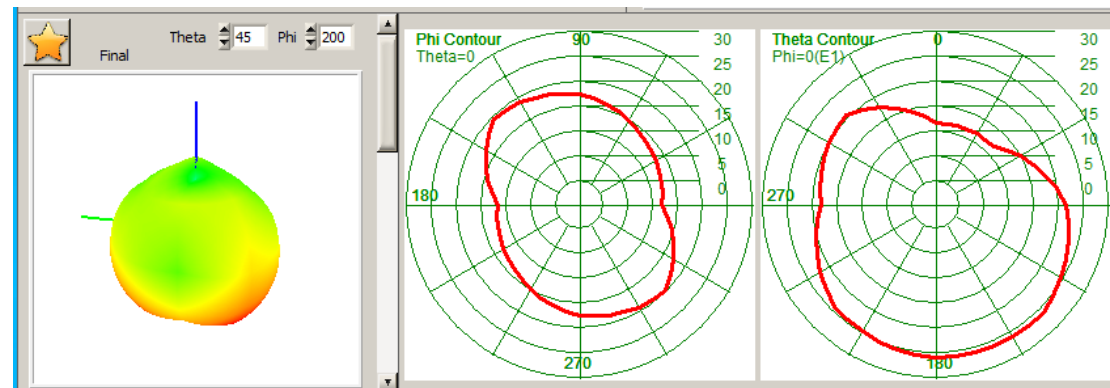
GSM850



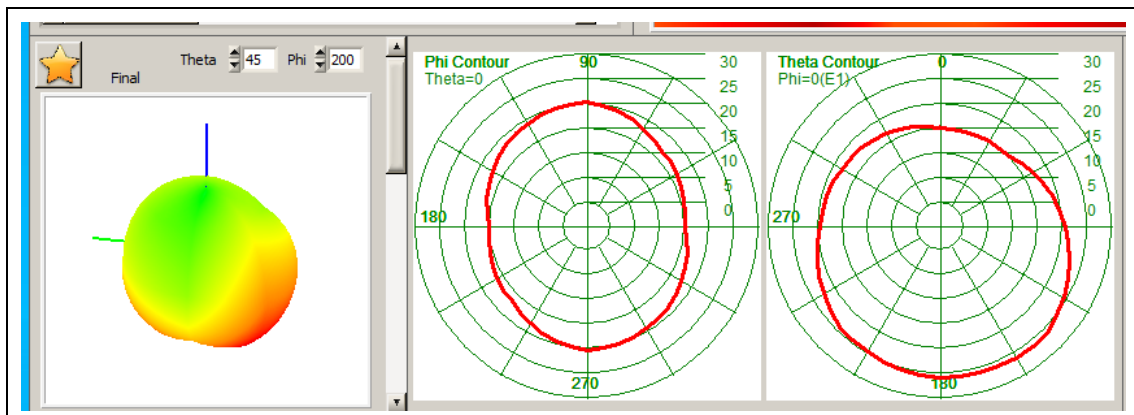
GSM900



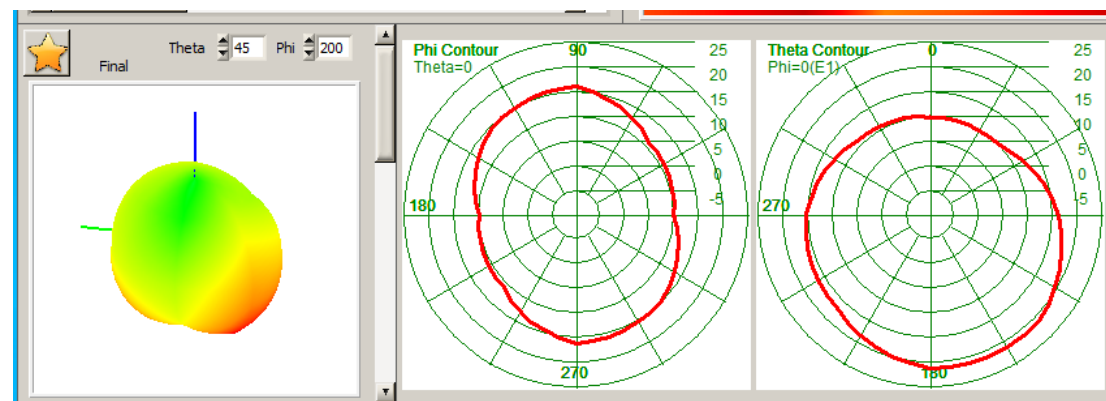
DSC1800



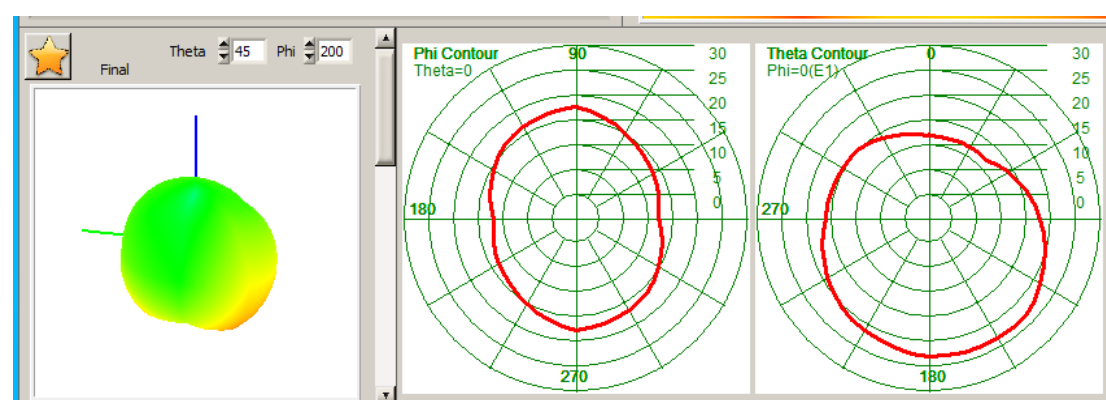
PCS1900



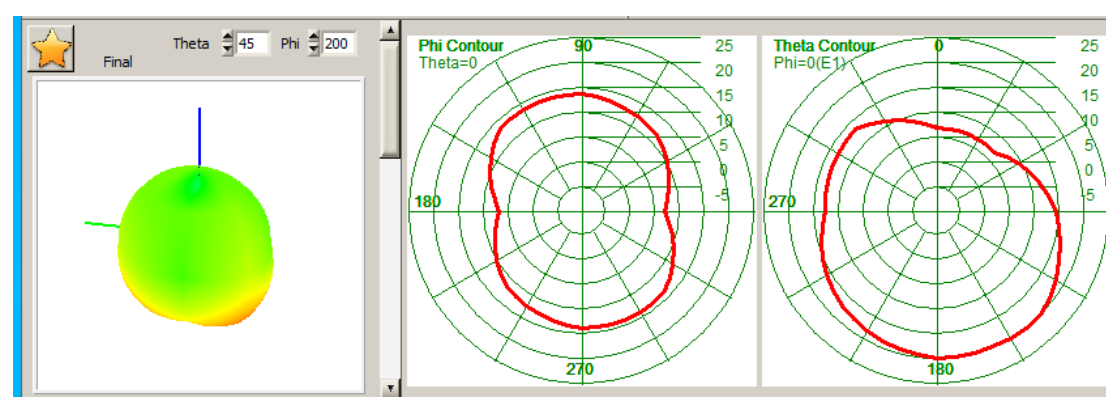
W1



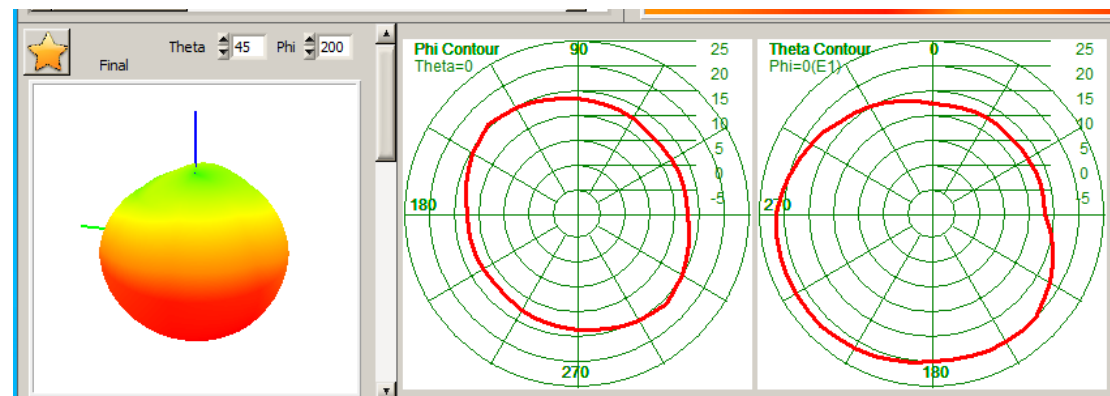
W2



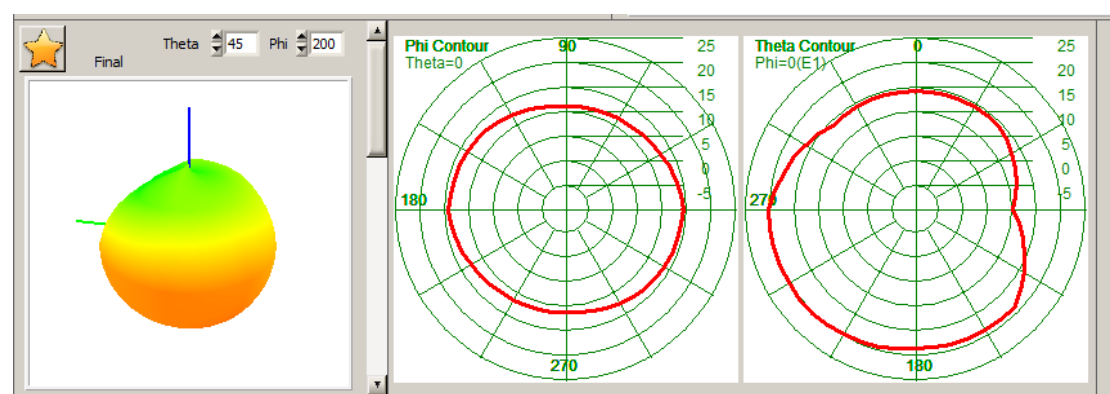
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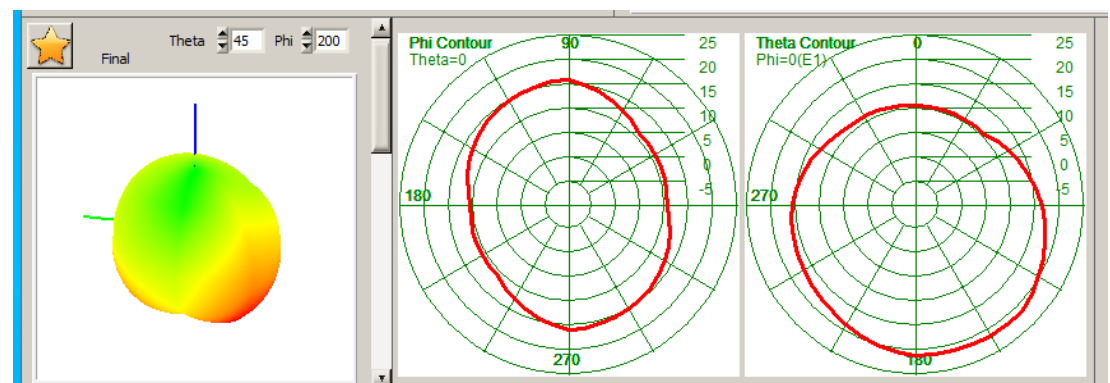
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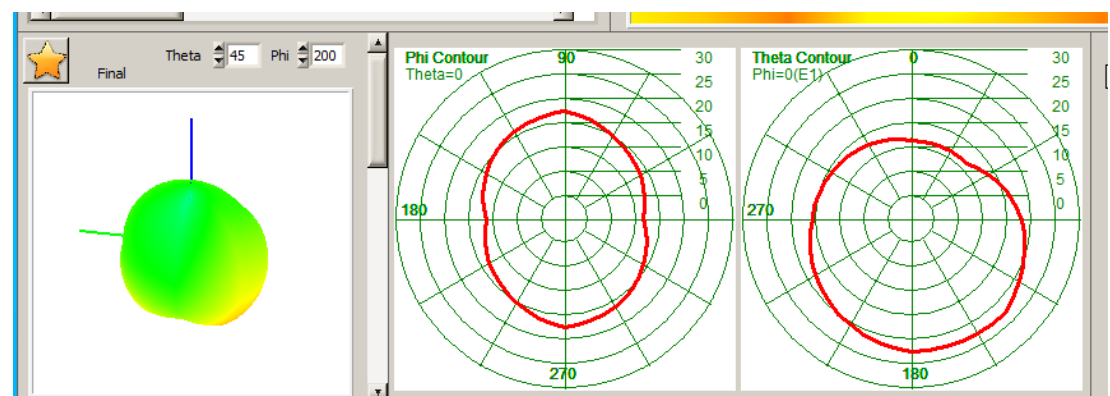
W8



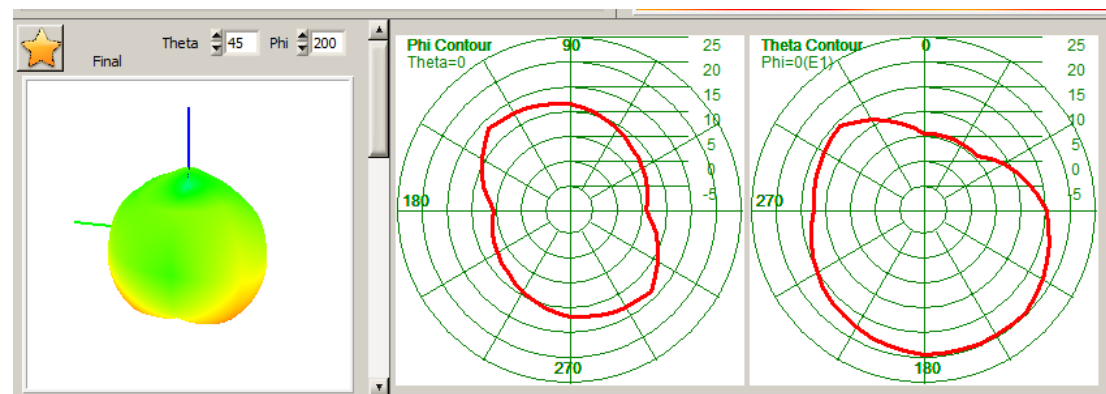
FDD-B1



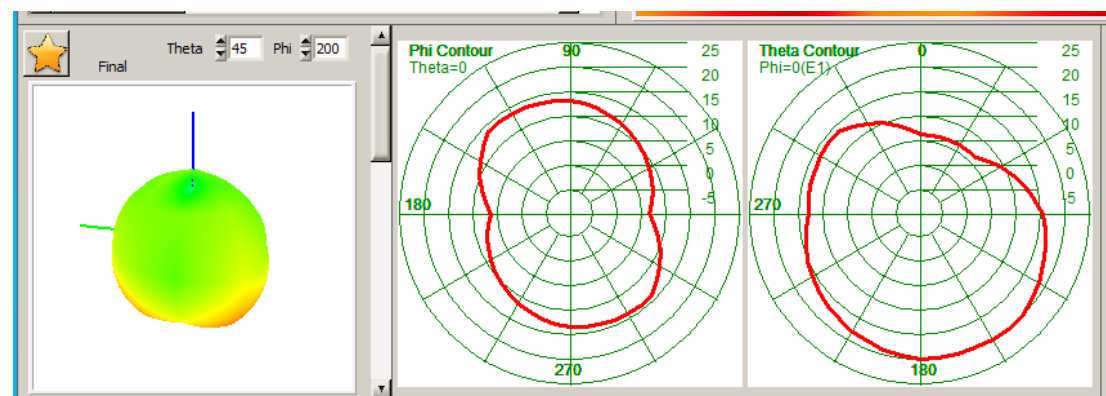
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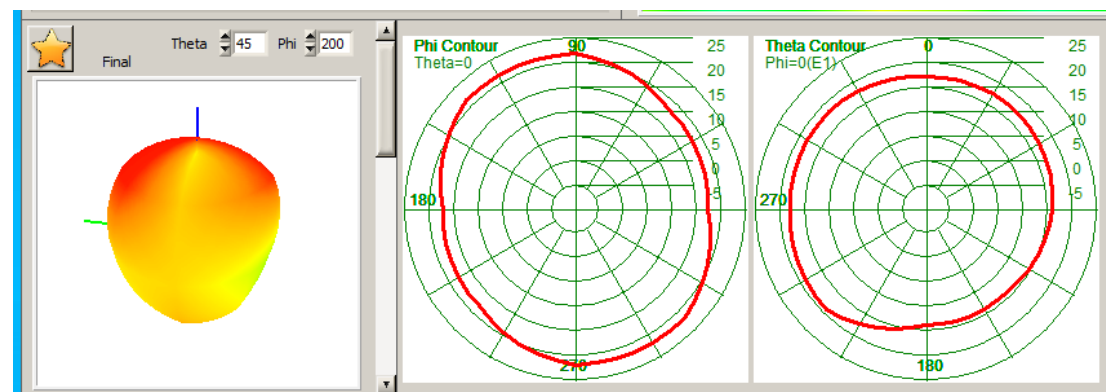
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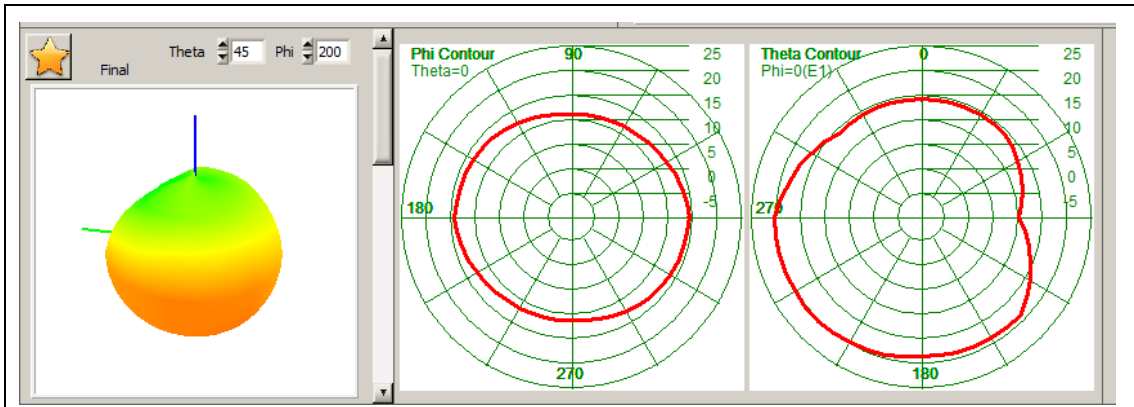
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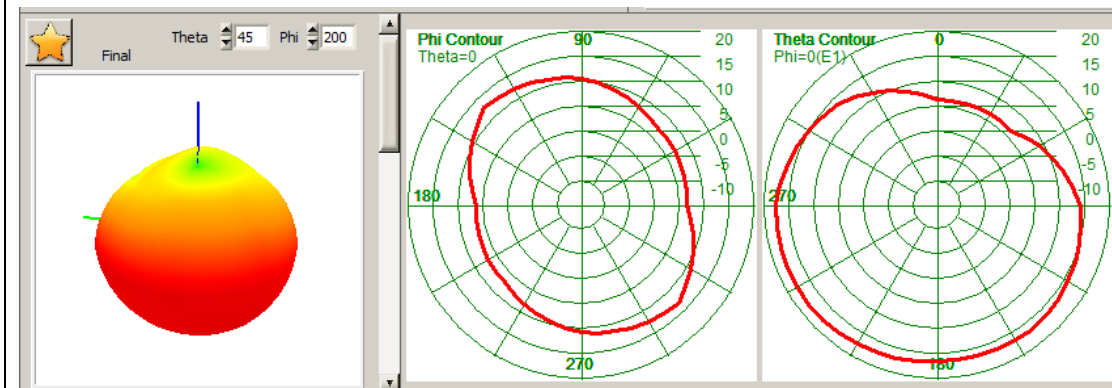
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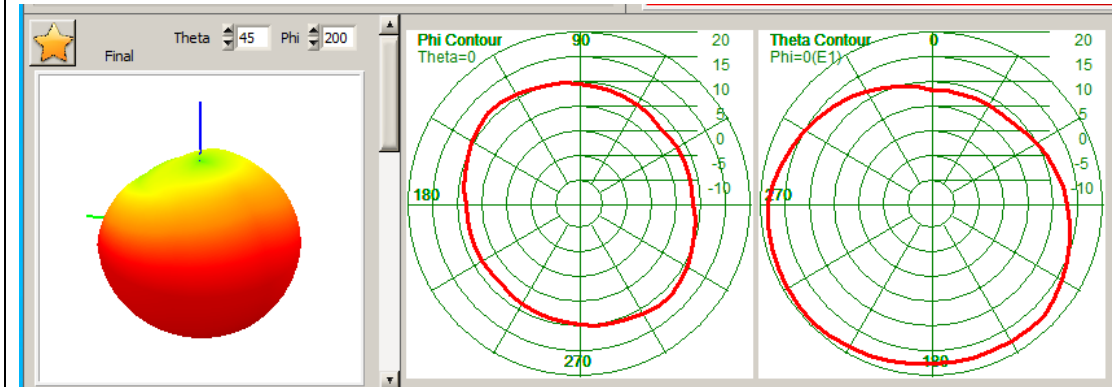
FDD-B8



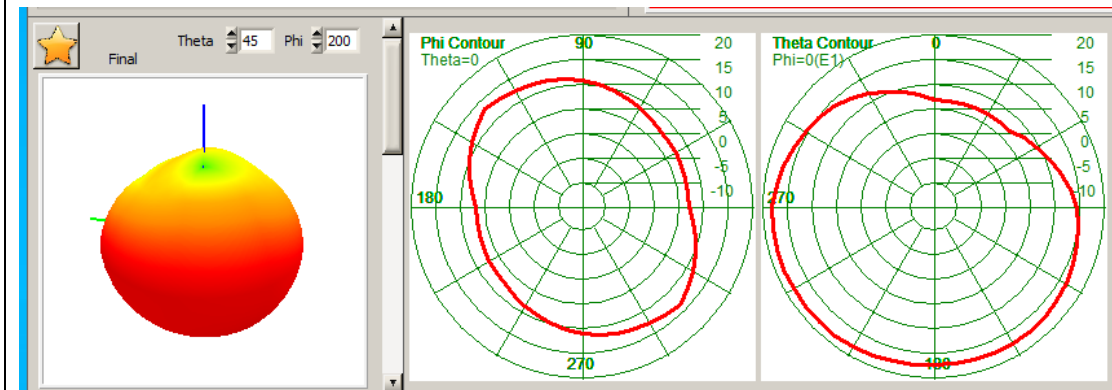
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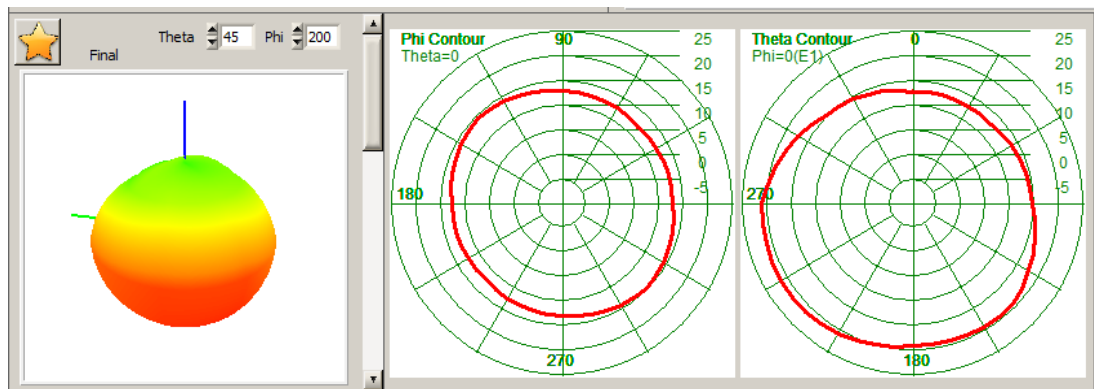
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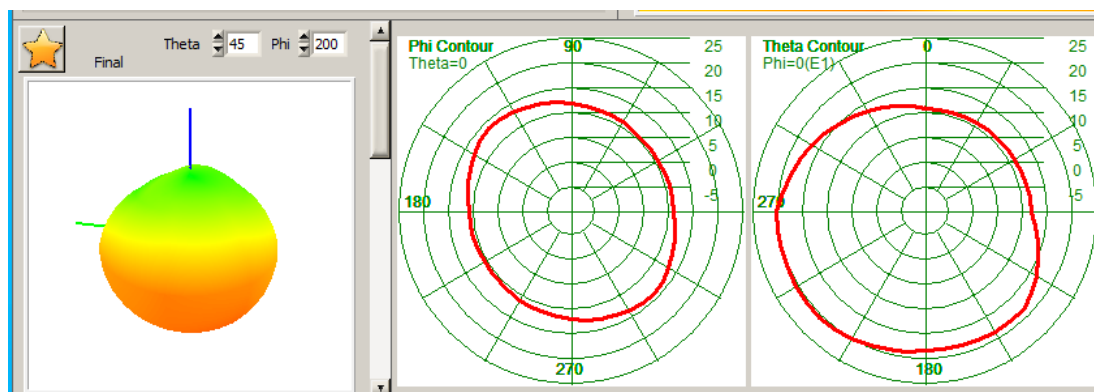
FDD-B17



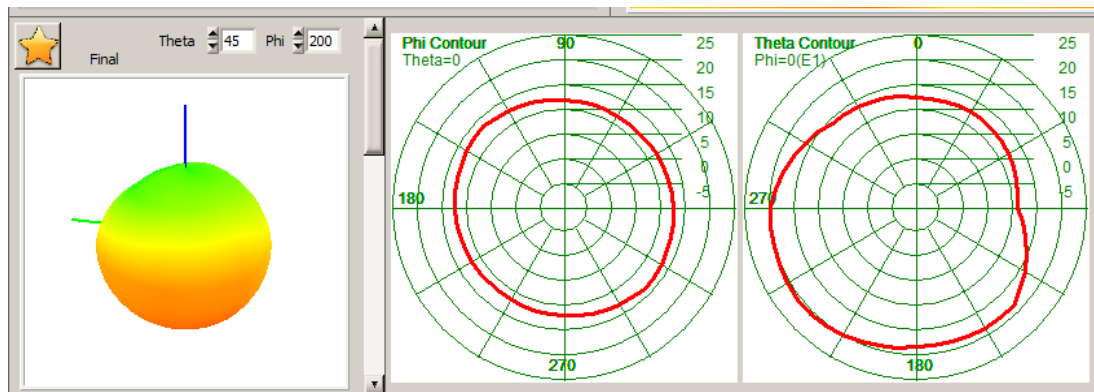
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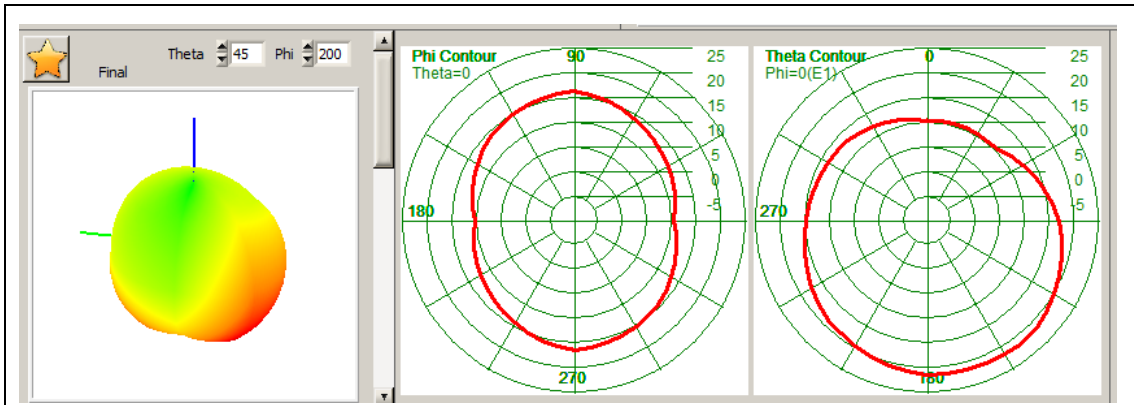
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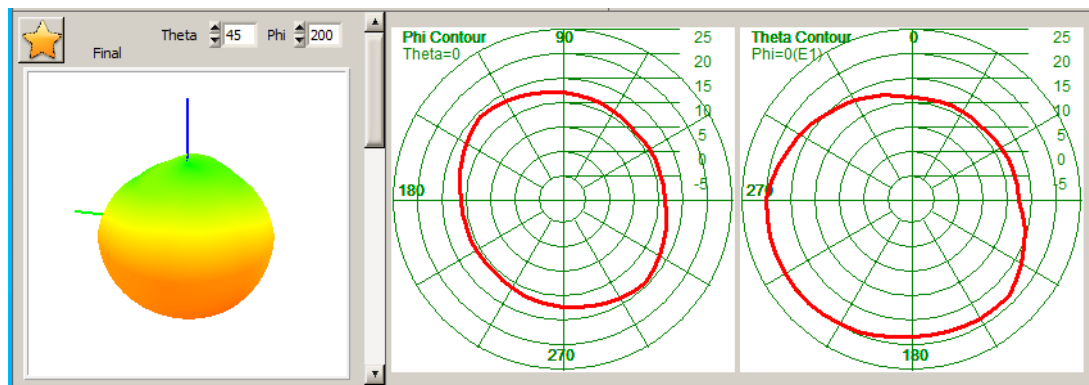
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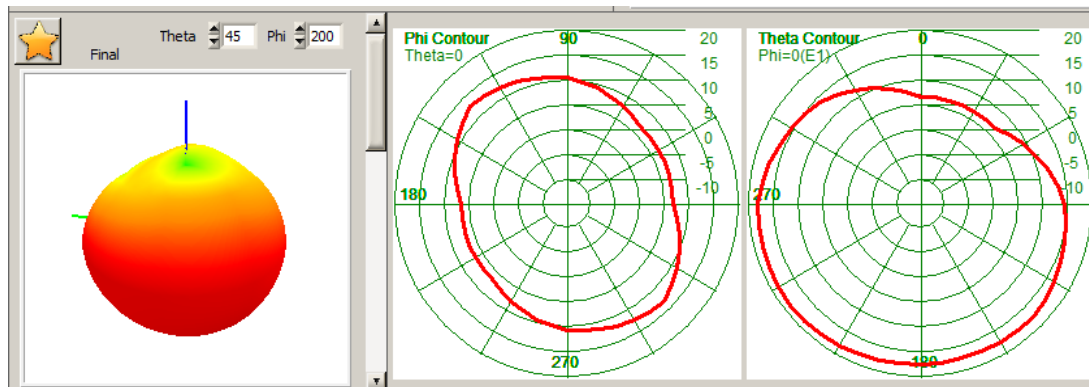
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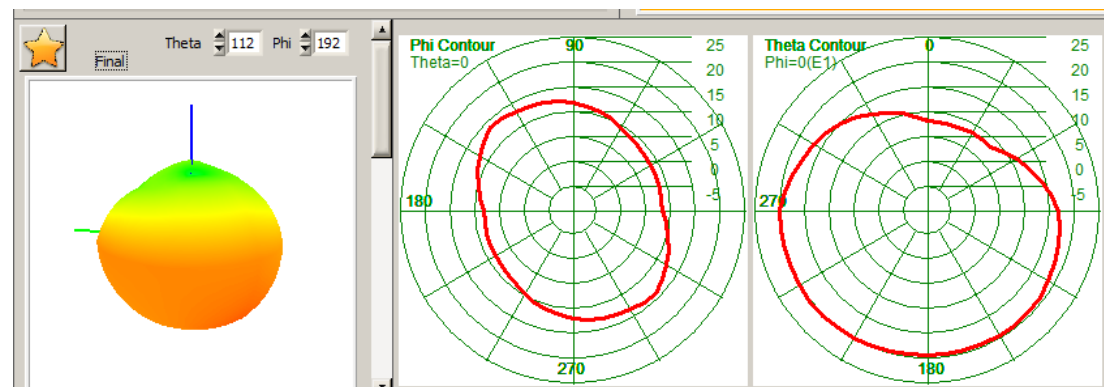
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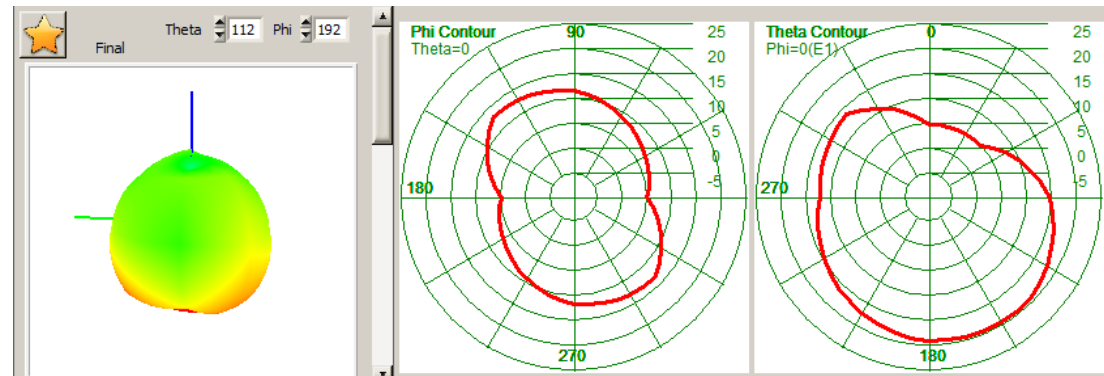
FDD-B28A



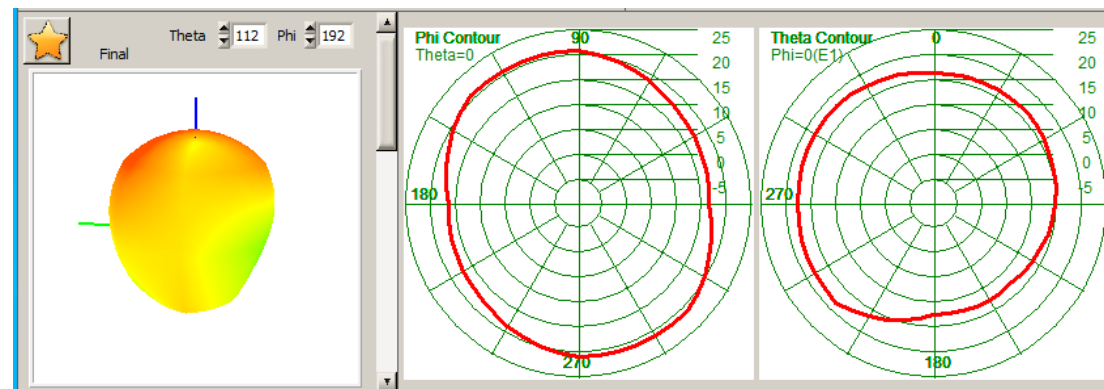
FDD-B28B



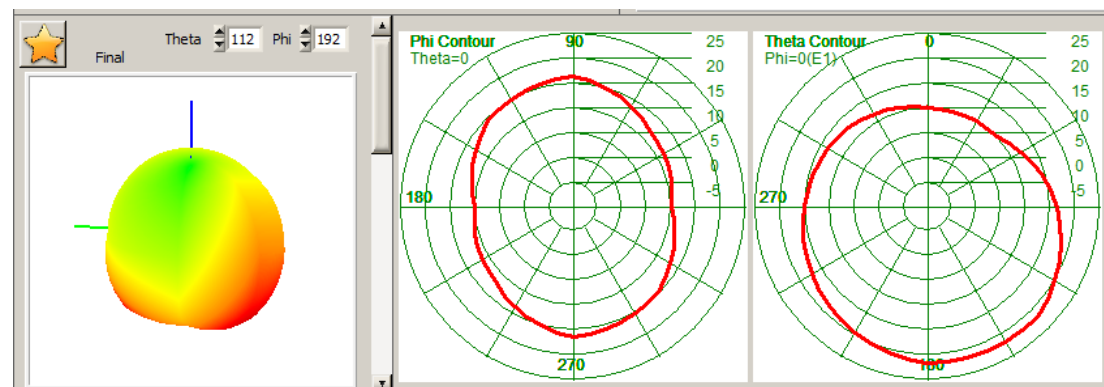
FDD-B66



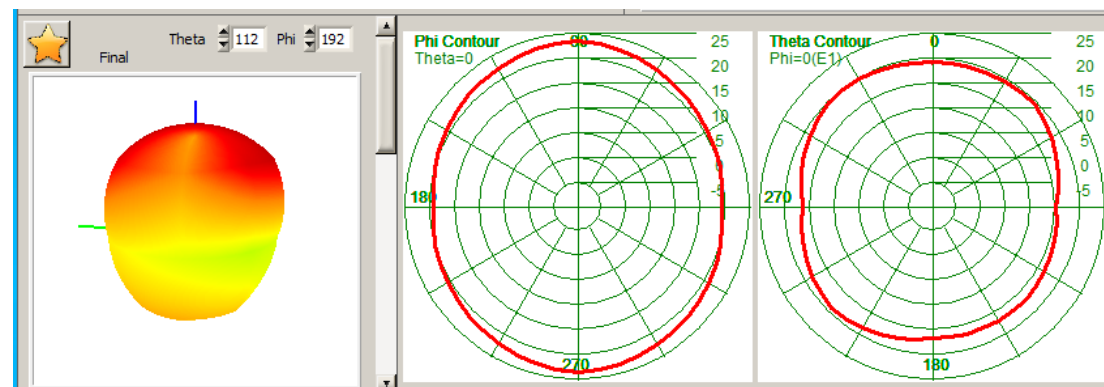
TDD-B38



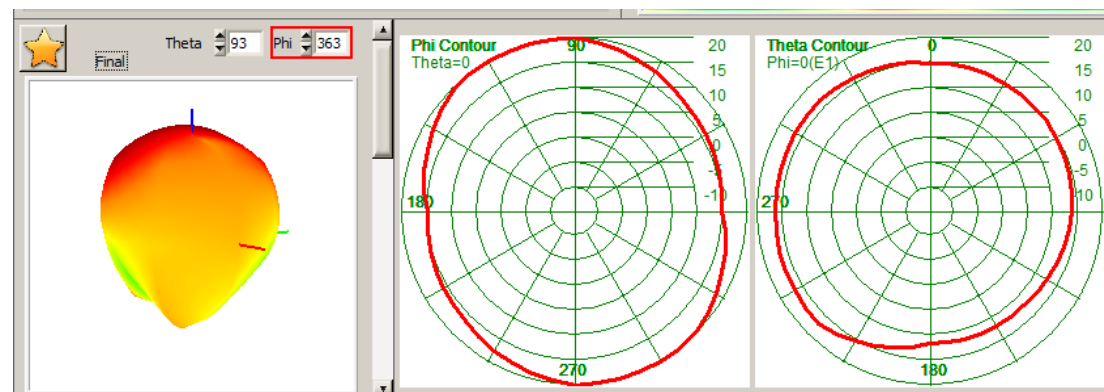
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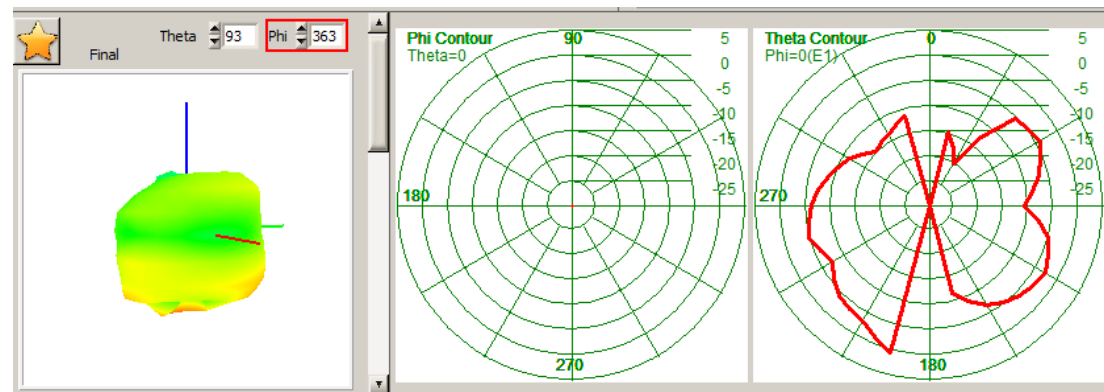
TDD-B40



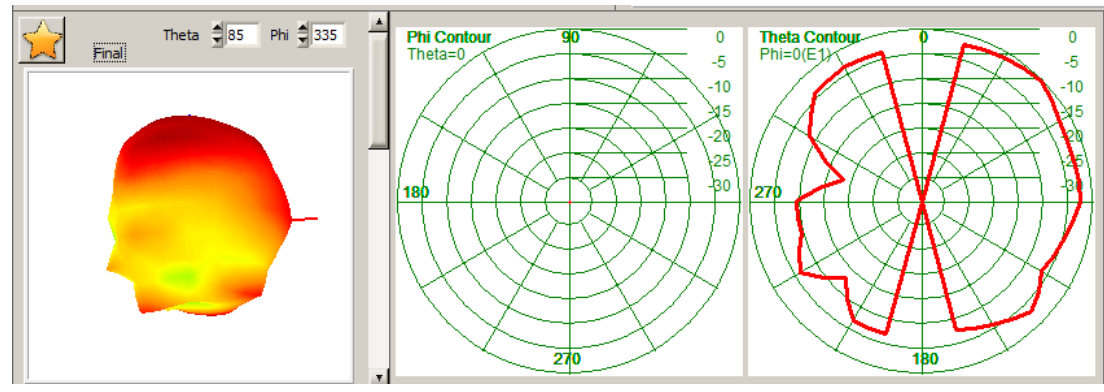
TDD-B41



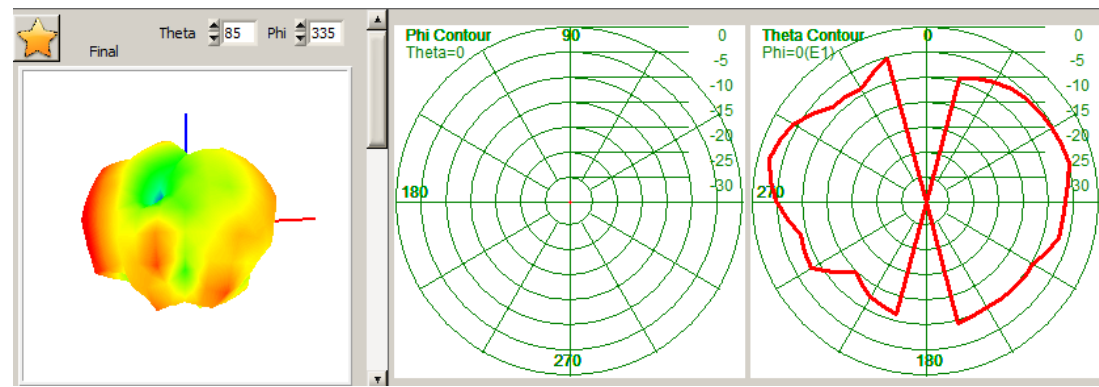
GPS



BT/2.4G-WIFI



5.8G-WIFI



8.Introduction to Antenna Information

S133	
Antenna type and frequency band	MAIN ANTENNA(PIFA):2G/3G/4G DIV ANTENNA(PIFA):2G/3G/4G GPS/WIFI/BT ANTENNA(PIFA):L1/2.4GWIFI/BT
Antenna materia	FPC