

深圳市麒鑫通达科技有限公司

天线测试数据报告

客户:卓信特

项目: Z6507C1

GSM: B2/B3/B5/B8

WCDMA: 2/4/5

TDD: B41

FDD: B2/4/5/12/13/25/26/41/66/71

工程: 傅工 (187 1893 6792)

日期: 2024-04-15

1. Test Project

	Test Project	Equipment
1. S Parameter	1. Return Loss (RL) 2. VSWR	Network Analyzer: Agilent 5071B
2. RF Test (2/3/4/5G)	1. power 2. level 3. TRP/TIS	Comprehensive Test: SP9500/CMW500/8960 Test Environment: Anechoic Chamber

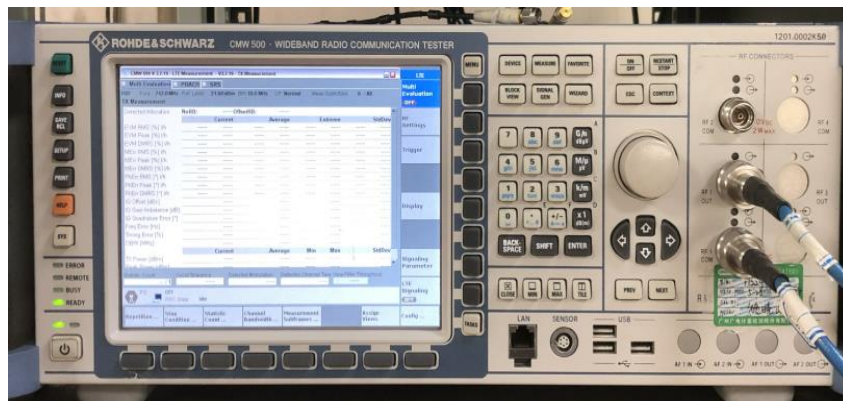
2. Test Equipment



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



Agilent 8960 (2G/3G Test Equipment)

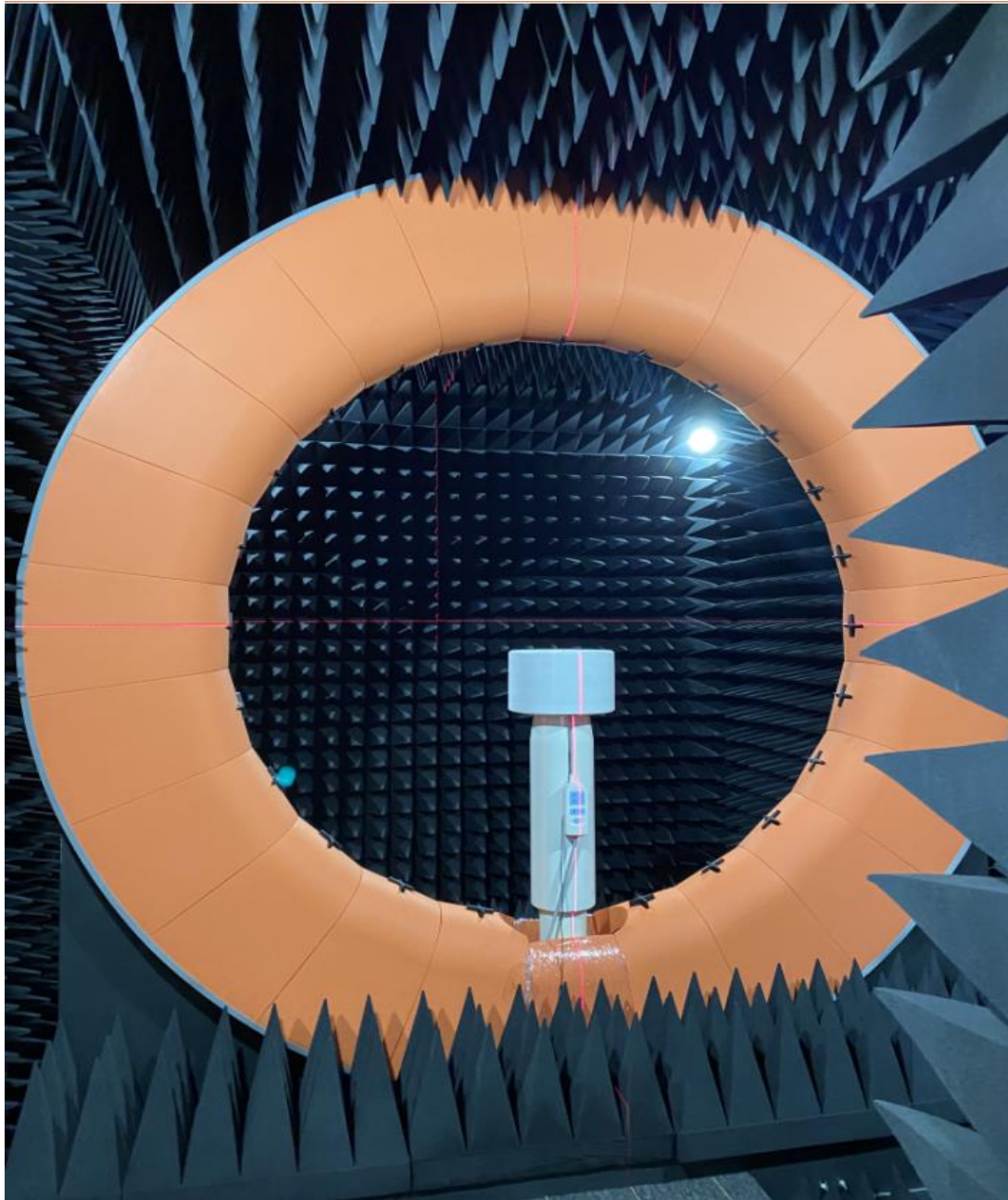


CMW 500 (2G/3G/4G Test Equipment)



SP9500 (5G Test Equipment)

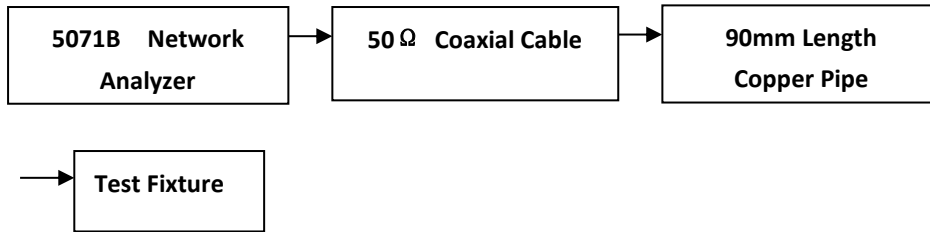
3. TestEnvironment



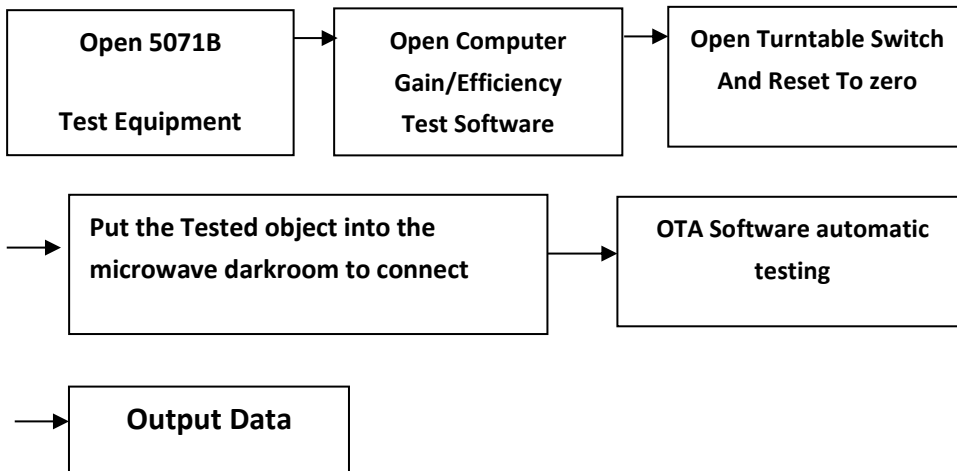
Microwave Anechoic Chamber

4. Test Steps

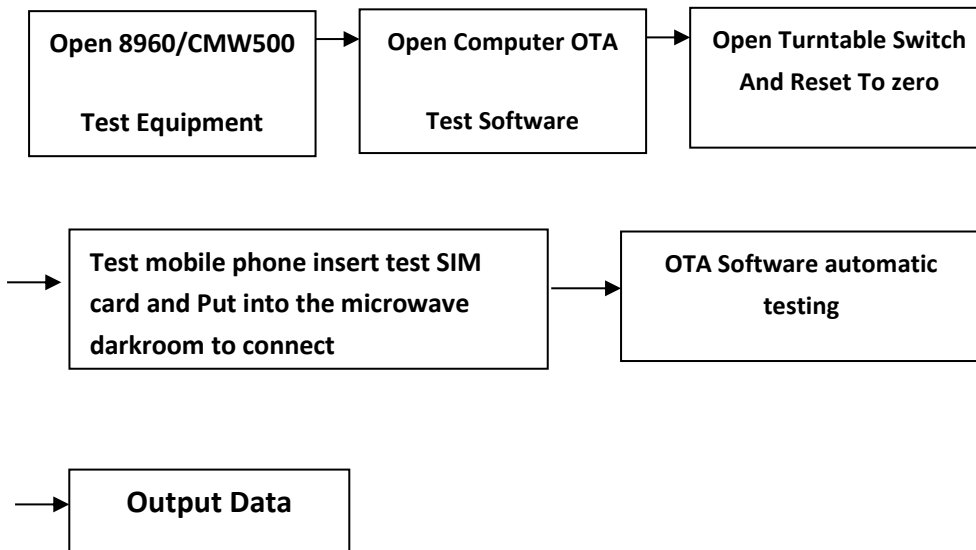
Passive VSWR/RL Test Steps:



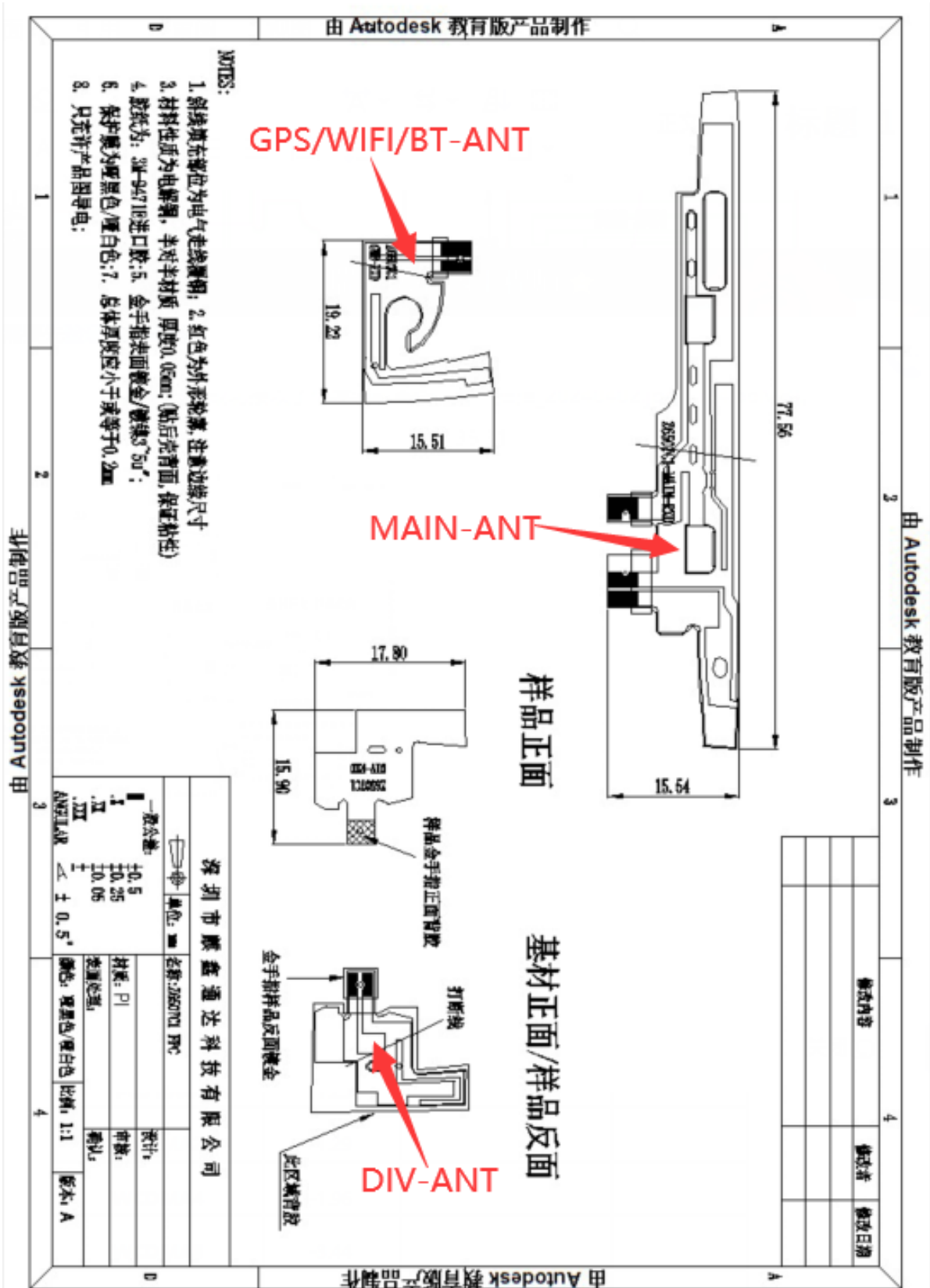
Gain/Efficiency Test Steps:



Active TRP/TIS Test Steps:



5. Antenna size diagram

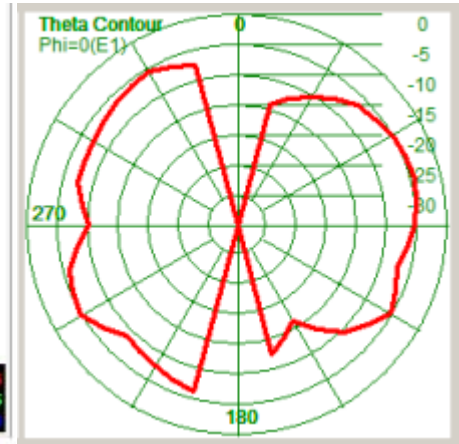
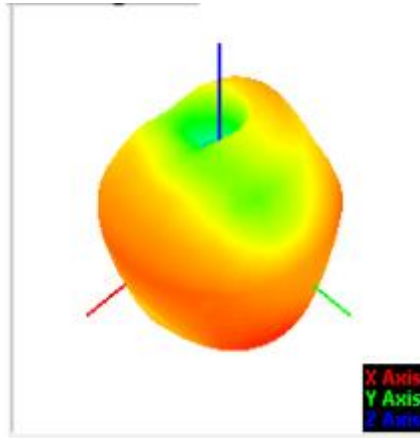
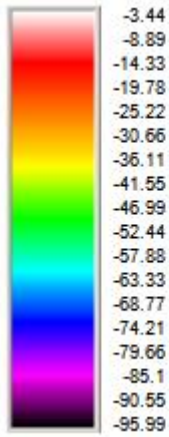


6. Antenna Gain

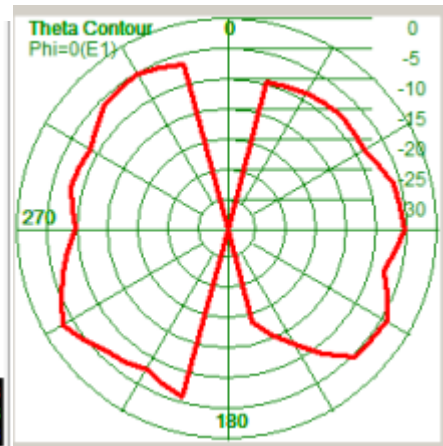
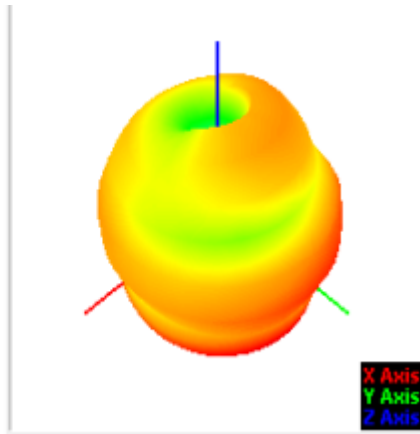
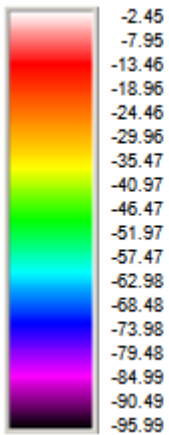
Band	Max Gain	Band	Max Gain
GSM850	-3.44	Bluetooth	-0.99
GSM900	-2.45	WIFI-2.4G	-0.99
DCS1800	-1.96	GPS	-0.74
PCS1900	-1.29		
WCDMA2	-1.29		
WCDMA4	-1.96		
WCDMA5	-3.44		
LTE-B2	-1.29		
LTE-B4	-1.96		
LTE-B5	-3.44		
LTE-B12	-3.72		
LTE-B13	-3.72		
LTE-B25	-1.29		
LTE-B26	-3.44		
LTE-B66	-1.96		
LTE-B71	-4.04		
LTE-B41	-0.17		

7.3D Lobe Diagram

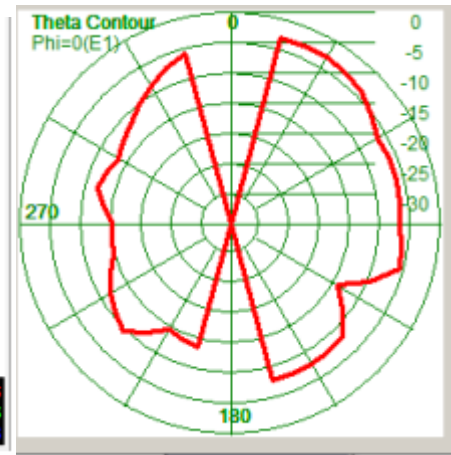
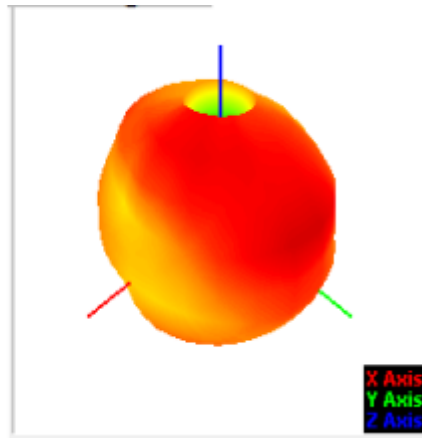
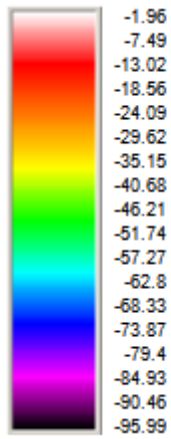
GSM850



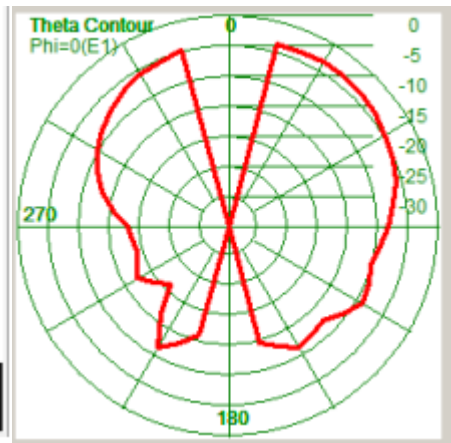
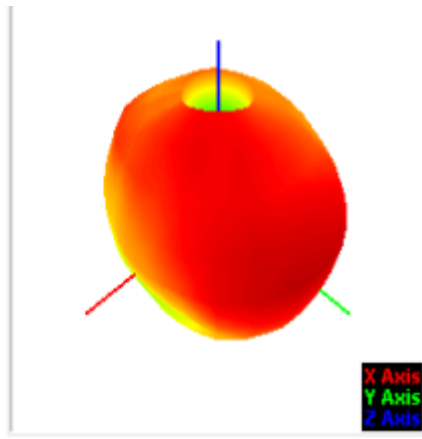
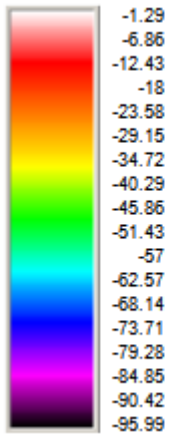
GSM900



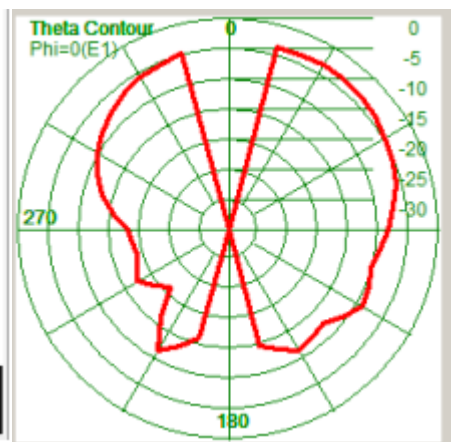
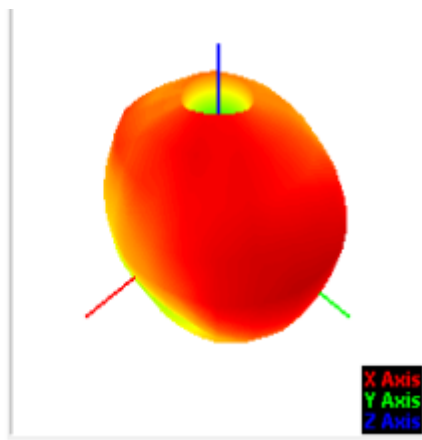
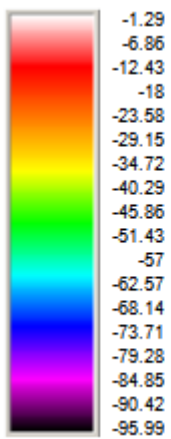
DSC1800



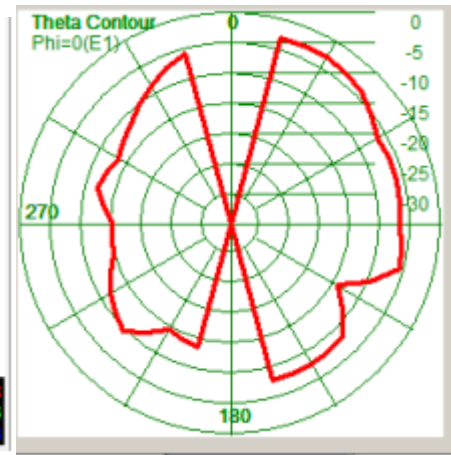
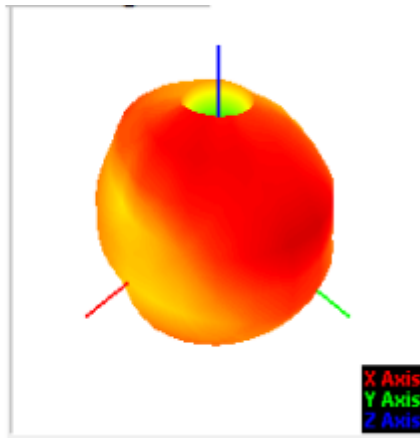
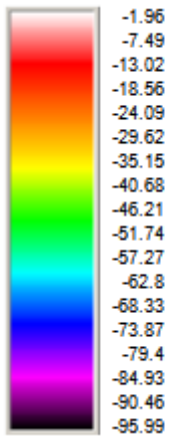
PCS1900



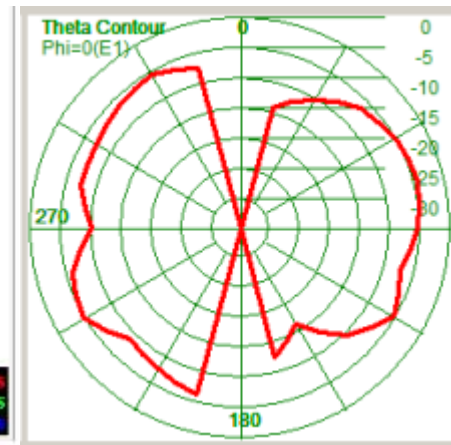
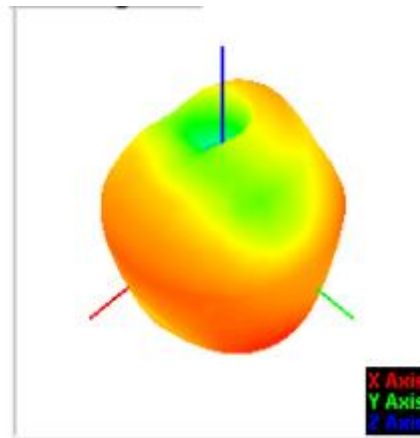
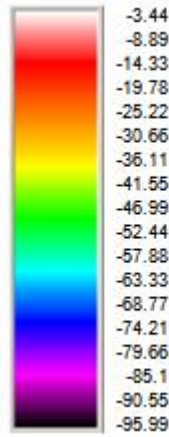
W2



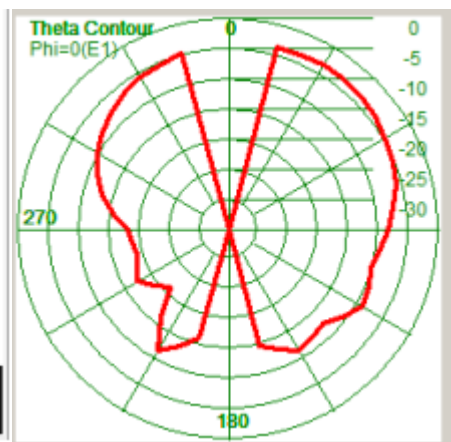
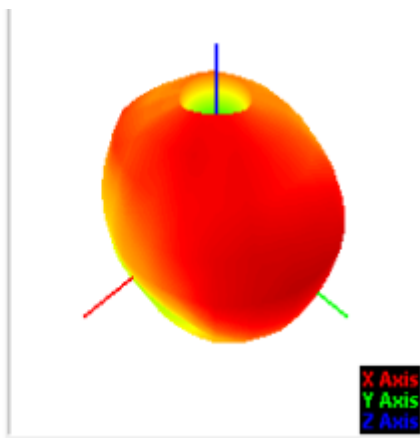
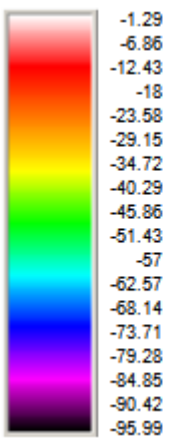
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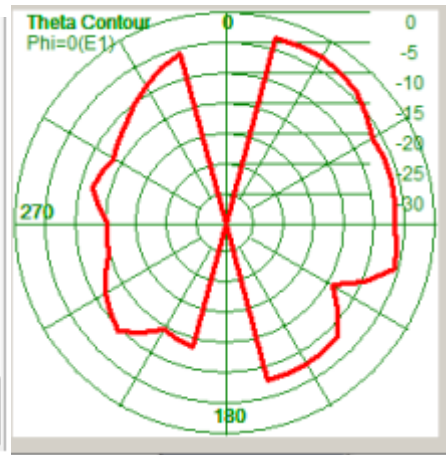
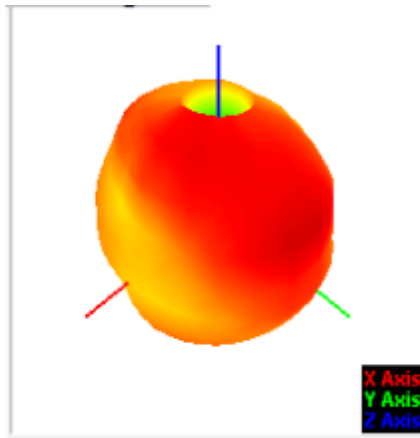
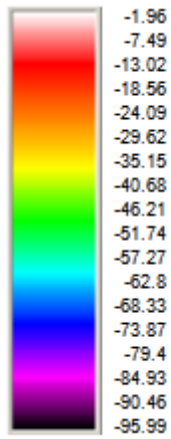
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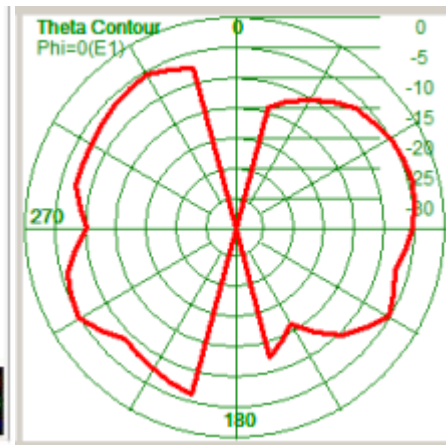
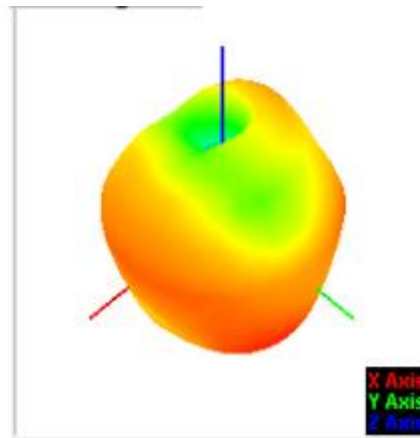
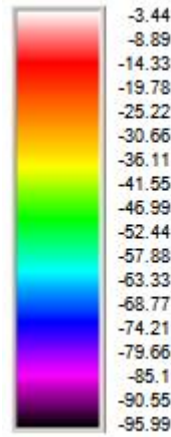
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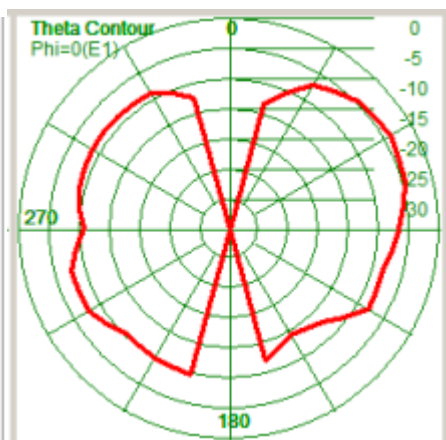
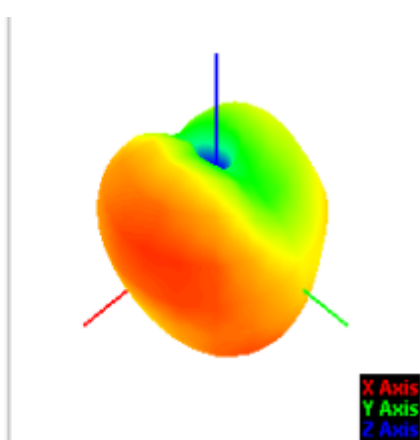
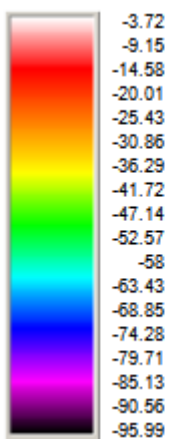
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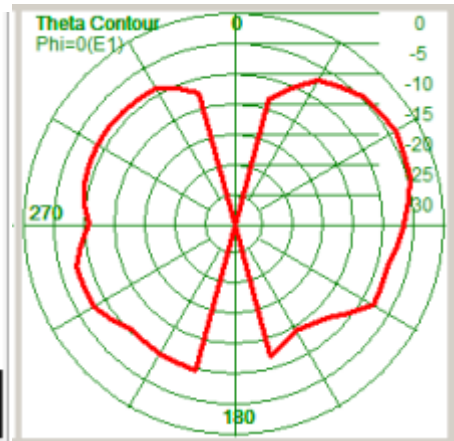
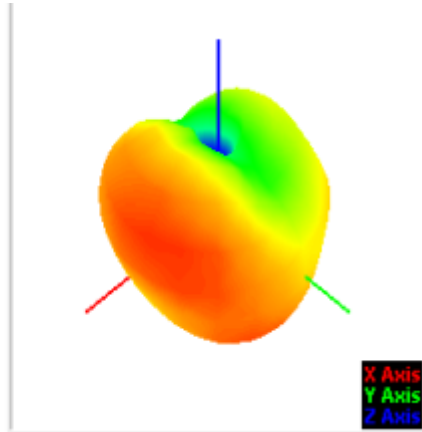
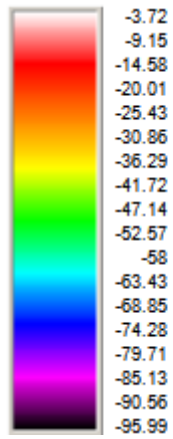
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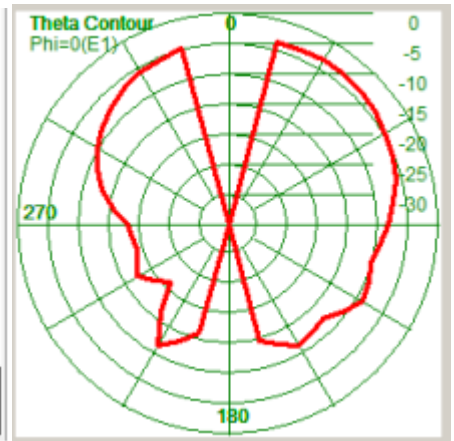
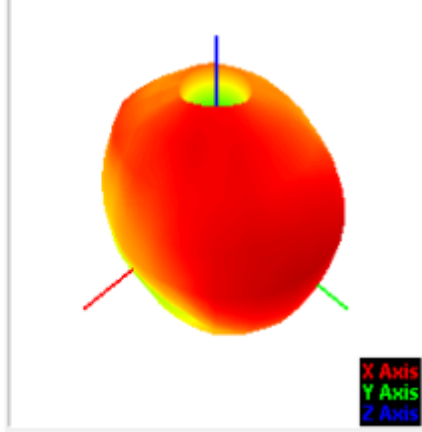
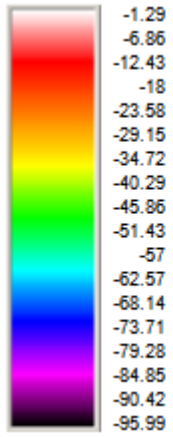
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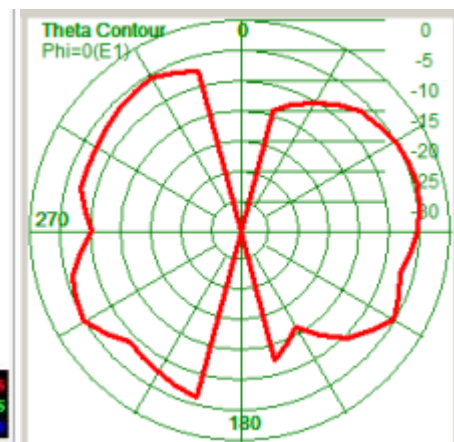
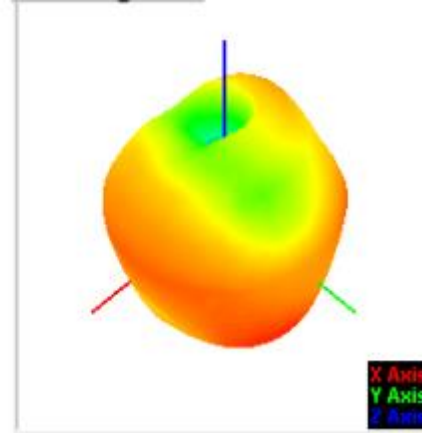
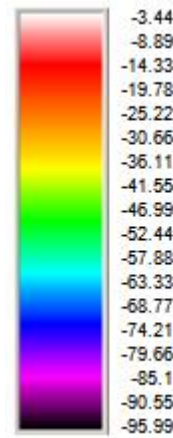
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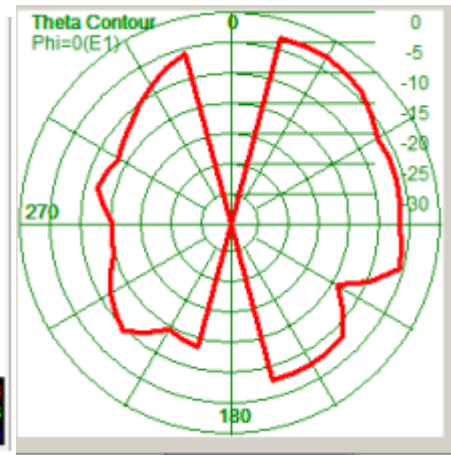
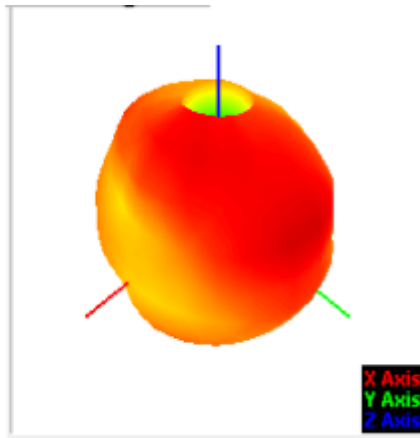
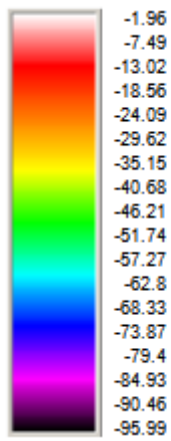
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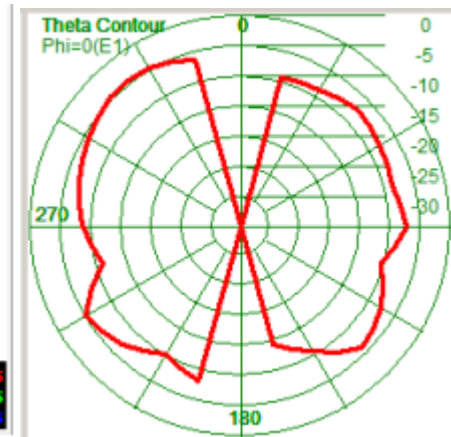
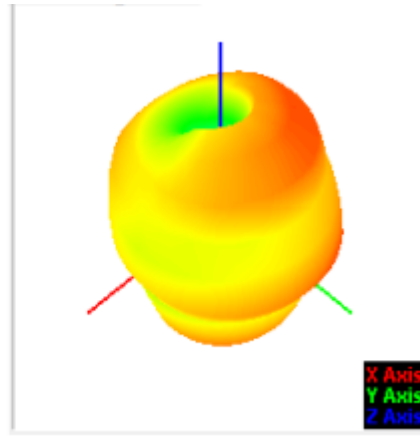
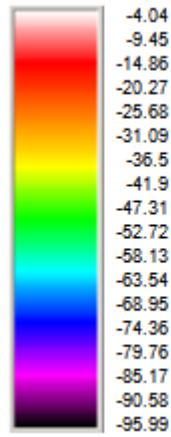
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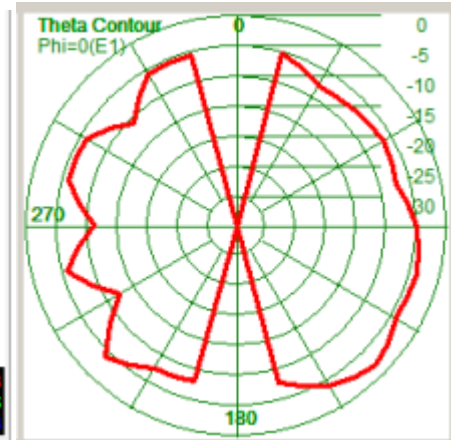
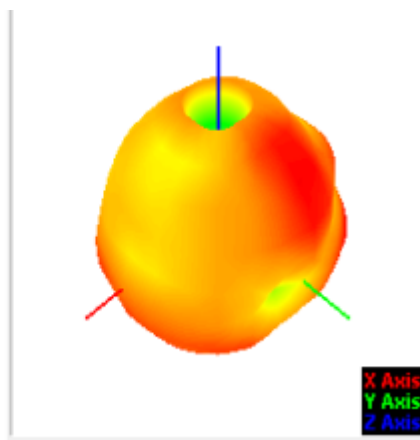
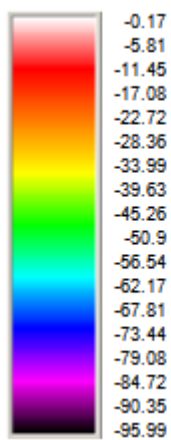
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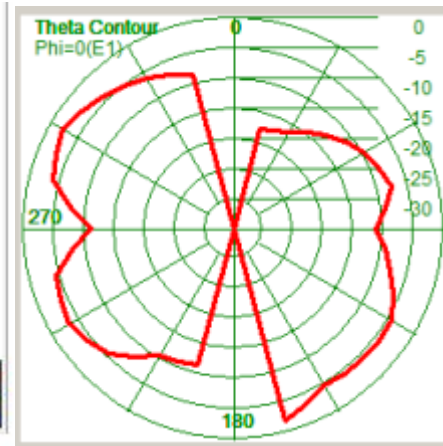
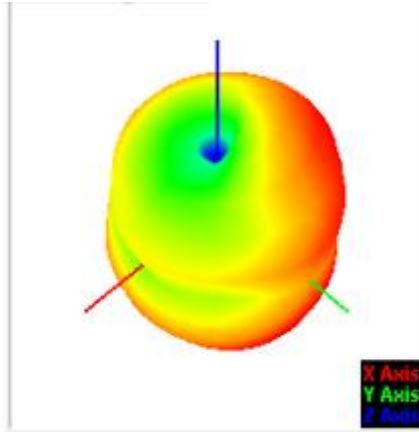
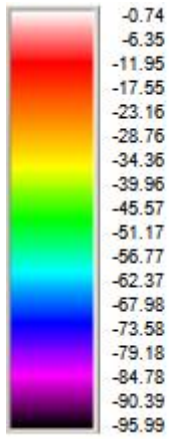
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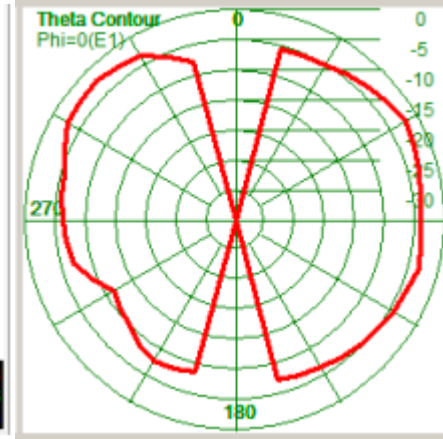
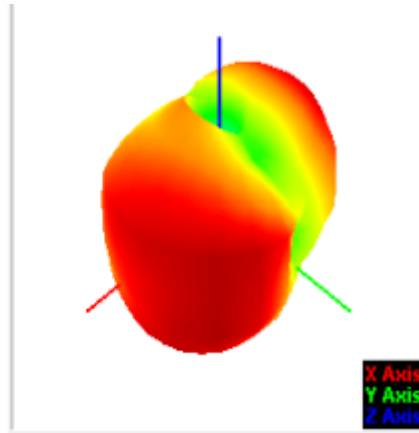
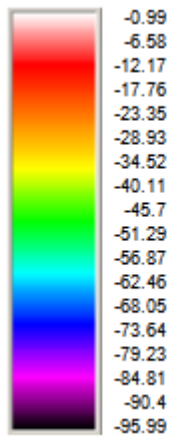
TDD-B41



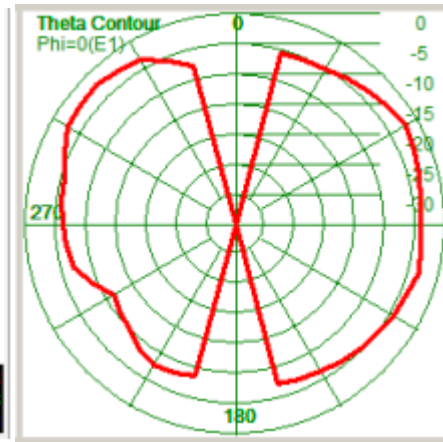
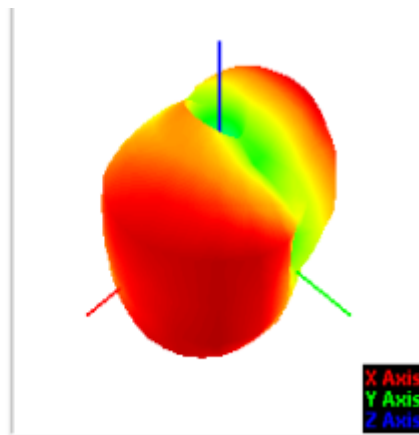
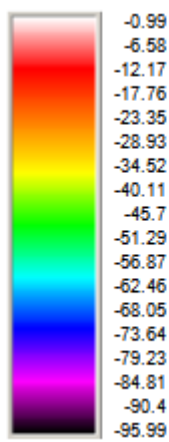
GPS



BT



2.4G-WIFI



8.Introduction to Antenna Information

Z6507C1	
Antenna type and frequency band	MAIN ANTENNA(<u>PIFA</u>):2G/3G/4G DIV ANTENNA(<u>PIFA</u>):2G/3G/4G GPS/WIFI/BT ANTENNA(<u>PIFA</u>):L1/2.4GWIFI/BT
Antenna materia	FPC