

东莞市安特通信有限公司

Dongguan Ante Communication Co., Ltd.

天线测试报告

Antenna test report

Model:RT395-10004-A

客户 client	三匠 sanjiang	项目 Item	行车记录仪 Dashcam
频段 Fre range	2. 4G-5. 8G	版本 Ver.	
天线工程师 Antenna engineer	吴惠琴	日期 Date	2022-09-17

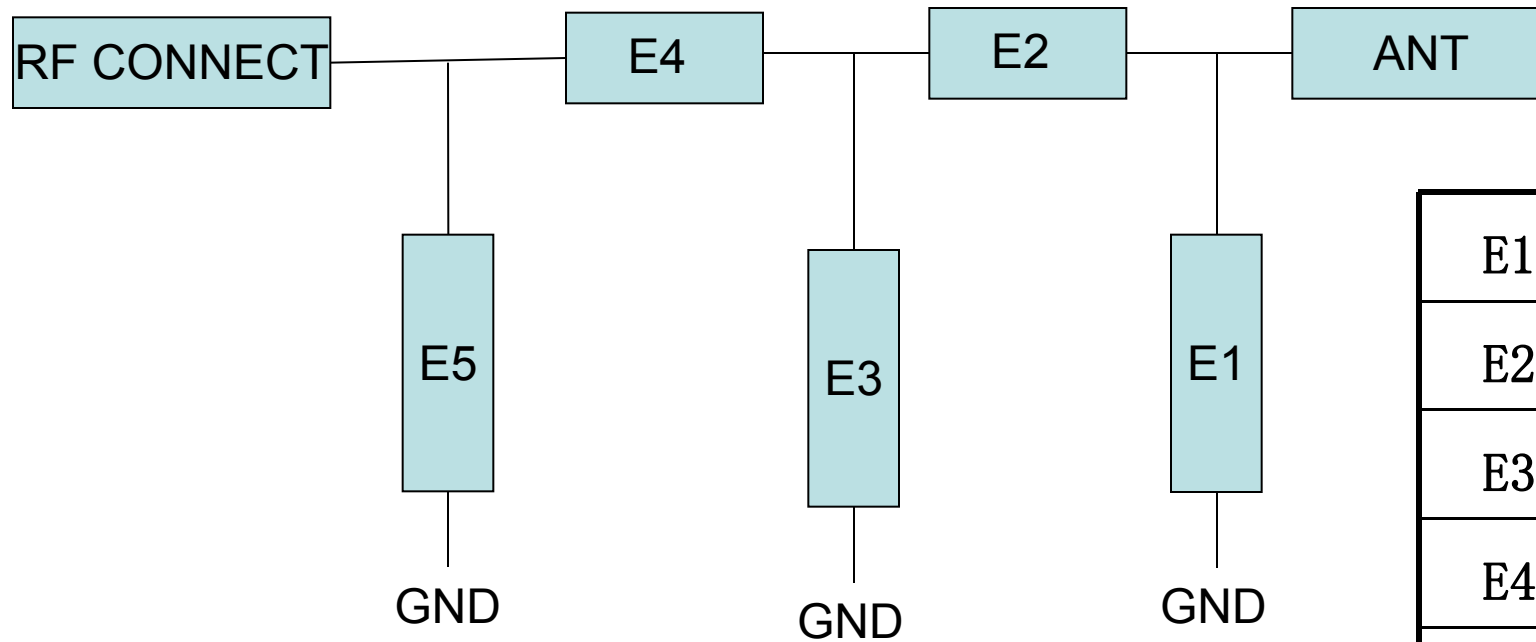
1. Test Equipment

矢量网络分析仪 Vector network analyzer	Agilent E5071B
暗室 Shielded room	OTA-500
测试人员 Testers	刘云海





2. Matching circuit

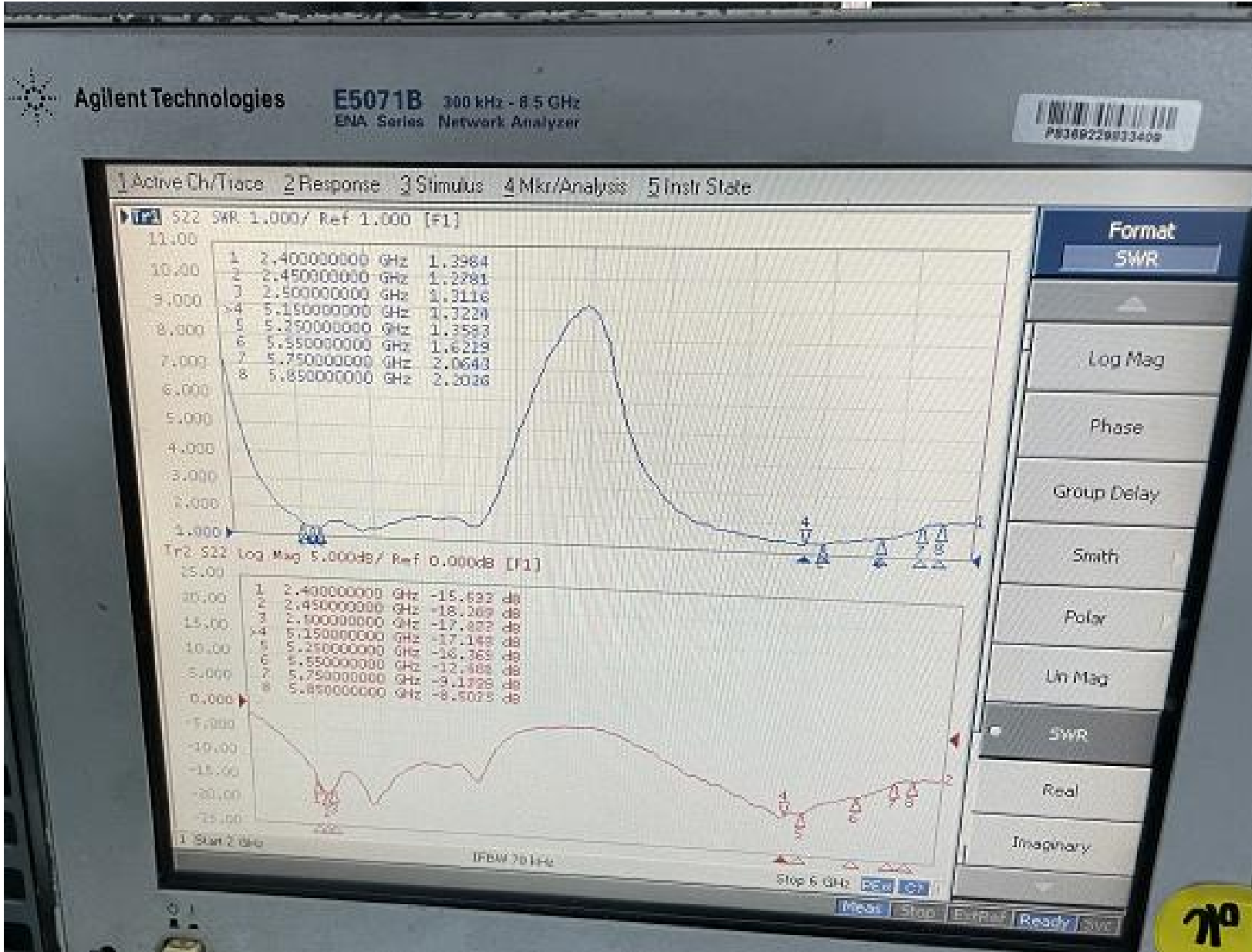


E1	空位
E2	0欧姆
E3	空位
E4	0欧姆
E5	空位

3. Antenna placement



4.R-LOSS, VSWR,



70



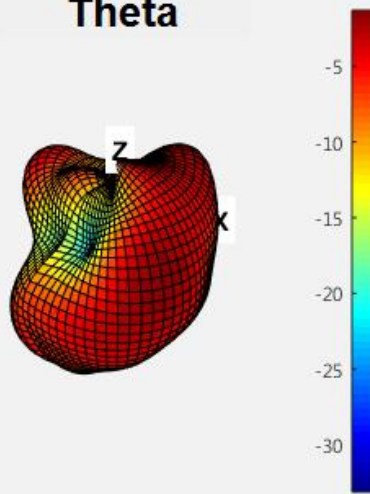
5.Passive test data

Frequency	2. 4GHz	2. 41GHz	2. 42GHz	2. 43GHz	2. 44GHz	2. 45GHz	2. 46GHz	2. 47GHz	2. 48GHz	2. 49GHz	2. 5GHz
Efficiency (%)	52. 36	52. 72	52. 48	53. 83	53. 46	53. 83	52. 6	52. 84	53. 7	52. 72	52. 12
Gain (dBi)	3. 5	3. 54	3. 49	3. 45	3. 35	3. 53	3. 47	3. 41	3. 46	3. 46	3. 52

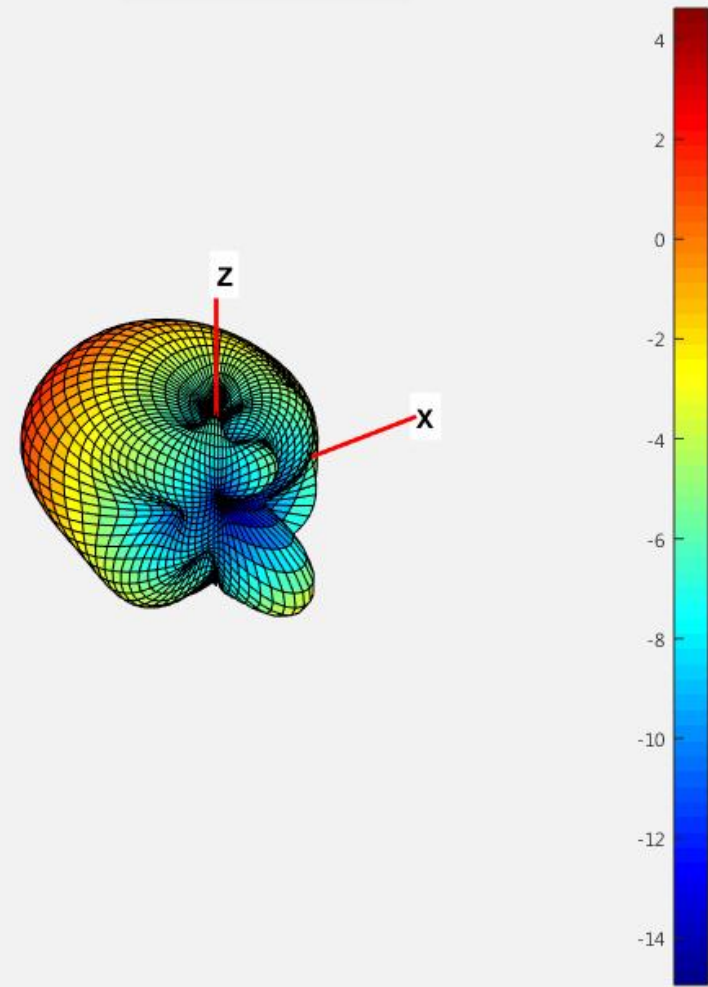
Frequency	5. 15GHz	5. 2GHz	5. 25GHz	5. 3GHz	5. 35GHz	5. 4GHz	5. 45GHz	5. 5GHz	5. 55GHz	5. 6GHz	5. 65GHz	5. 7GHz	5. 75GHz	5. 8GHz	5. 85GHz
Efficiency (%)	45. 6	46. 24	46. 99	44. 57	47. 42	48. 53	48. 64	49. 32	48. 31	45. 19	45. 6	45. 6	44. 67	43. 95	44. 77
Gain (dBi)	3. 36	3. 35	3. 43	3. 34	3. 54	3. 4	3. 84	4. 04	3. 79	3. 6	2. 84	2. 93	2. 95	2. 98	2. 82

6. Directional diagram-3D(2.45G)

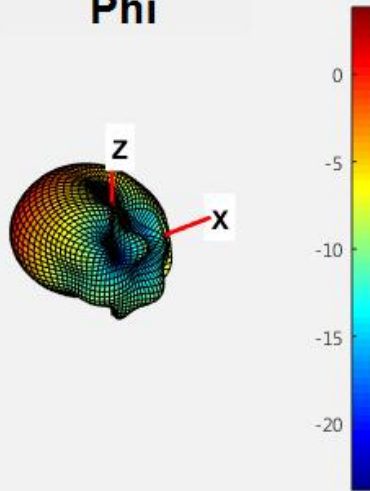
Theta



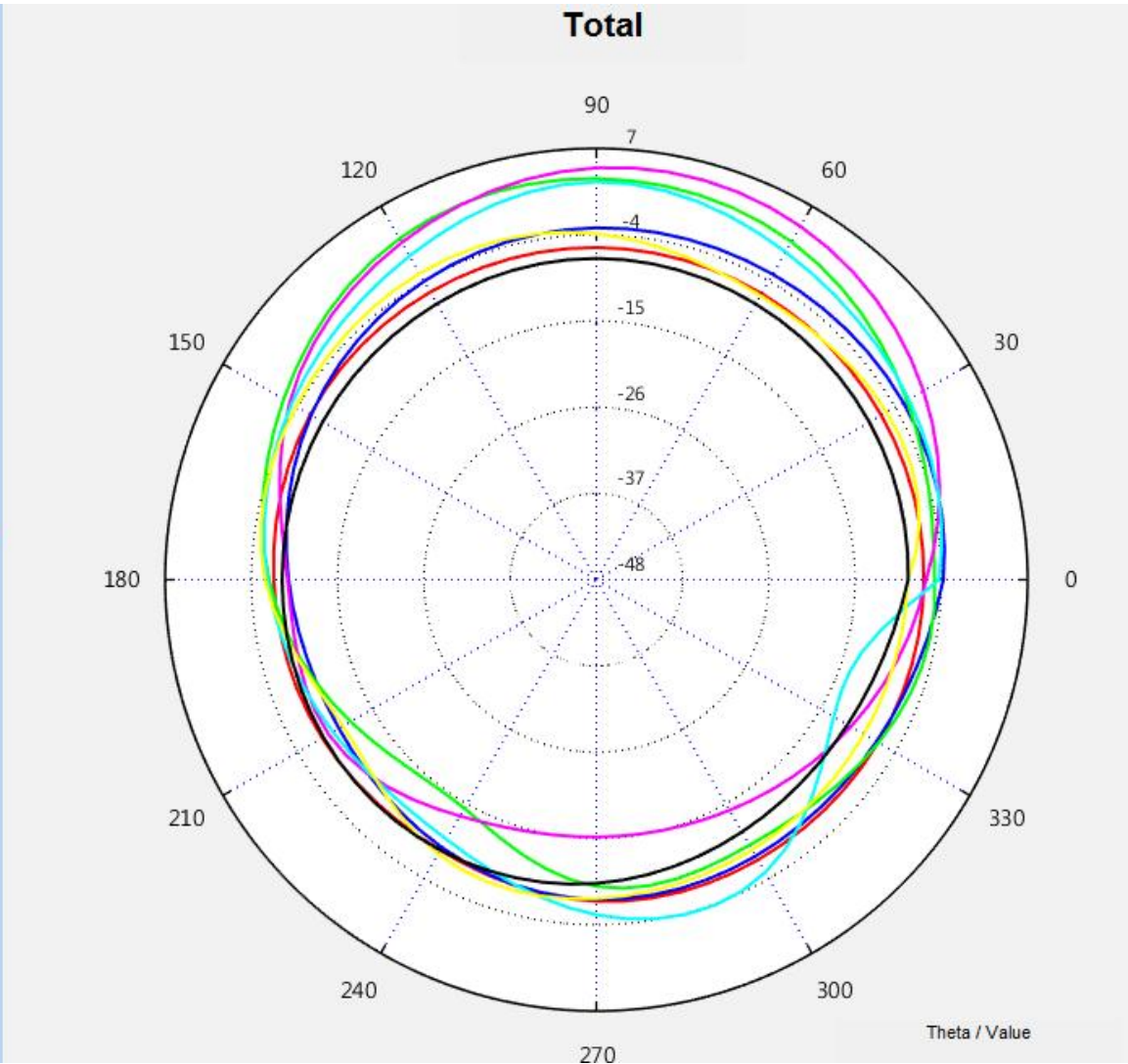
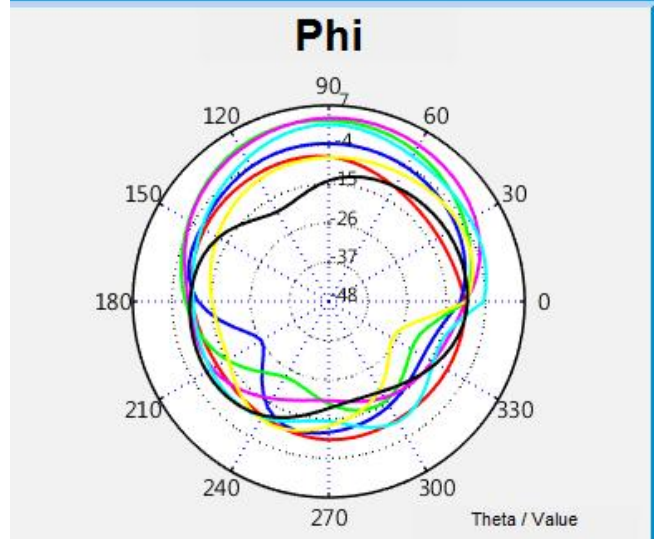
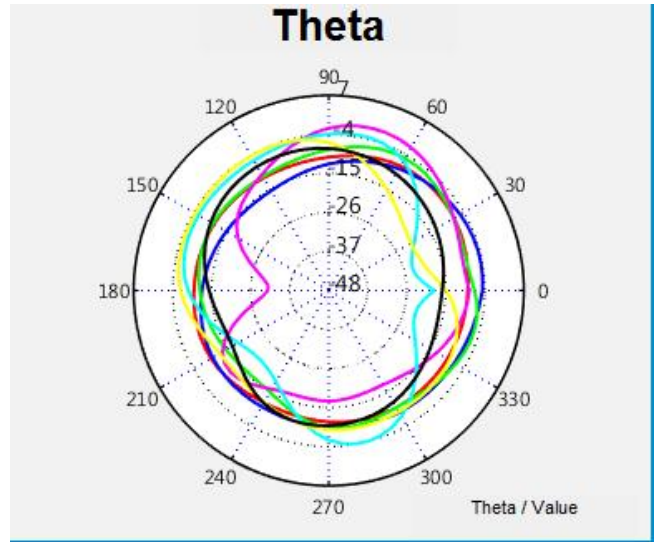
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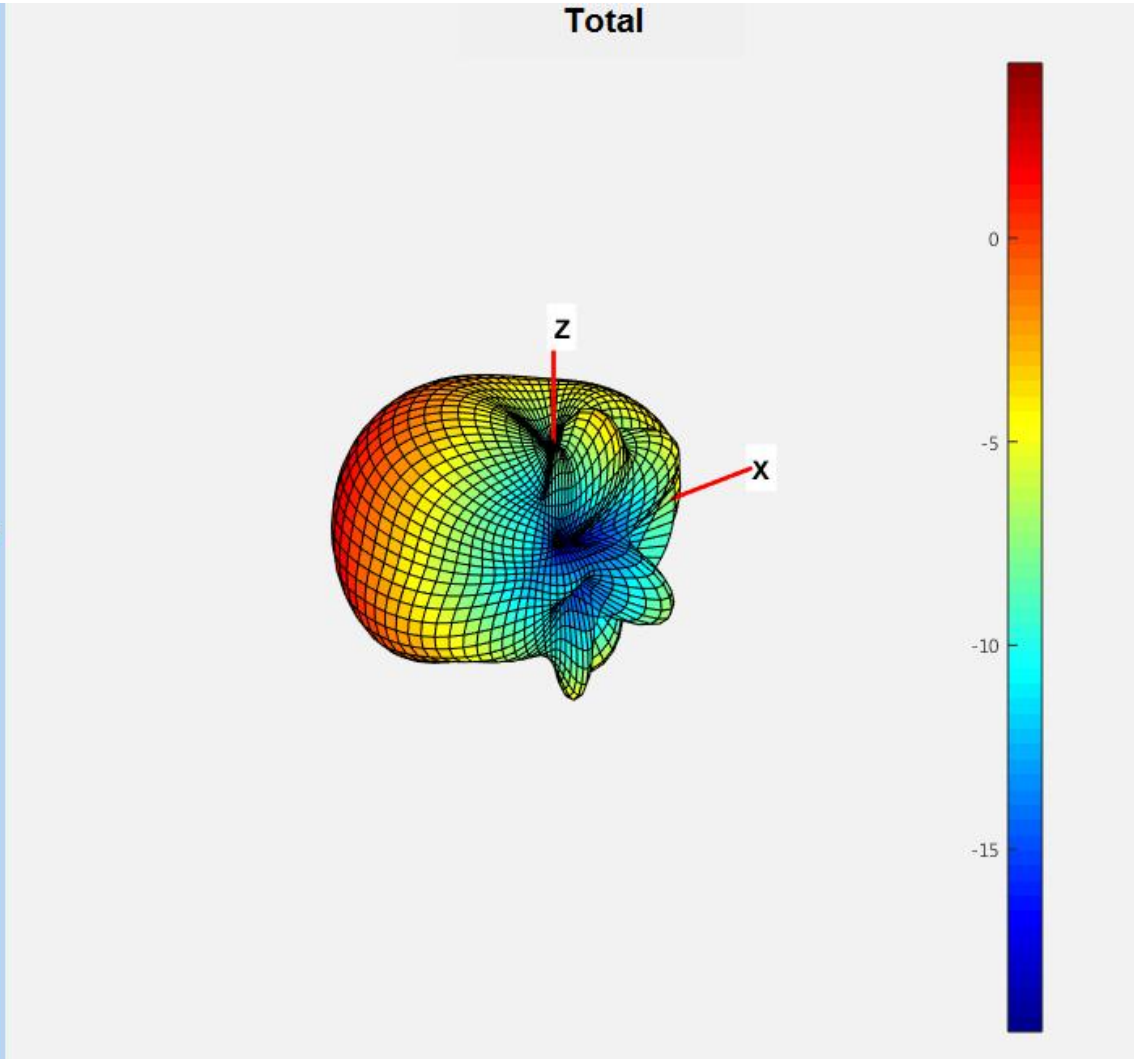
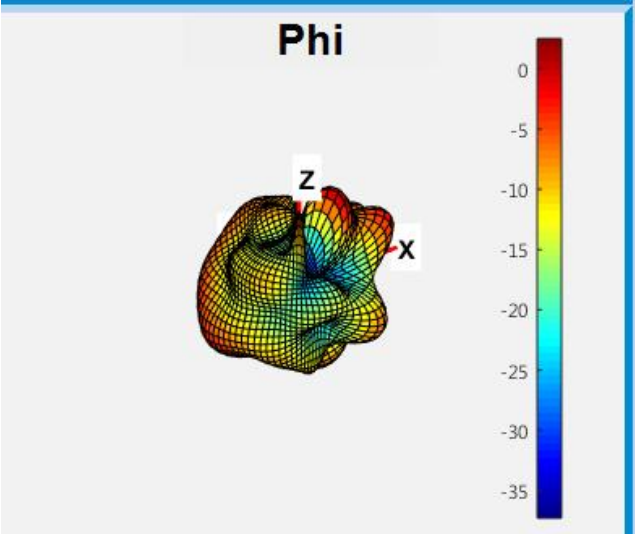
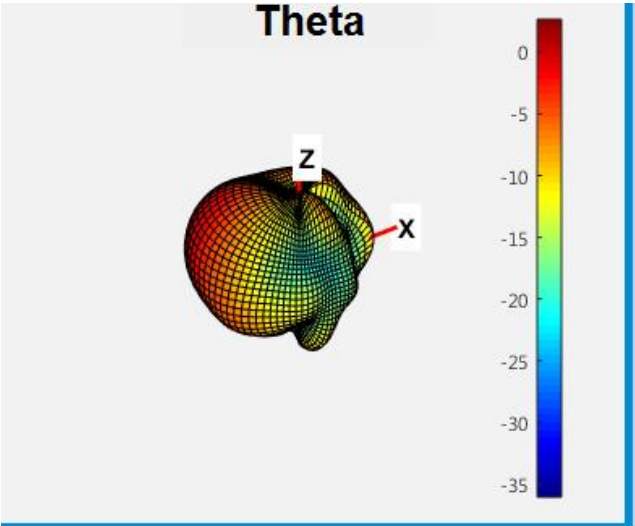
Phi



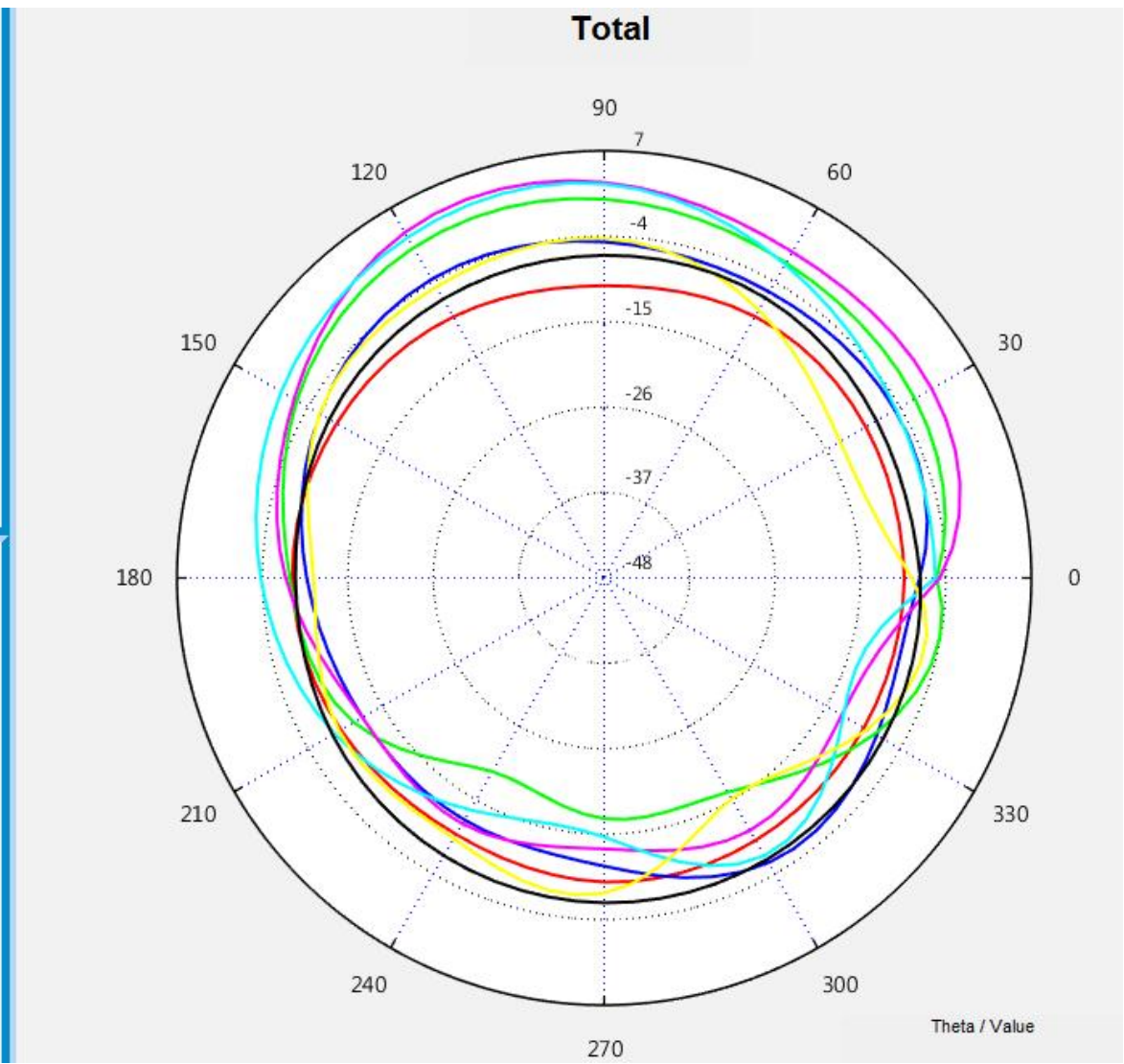
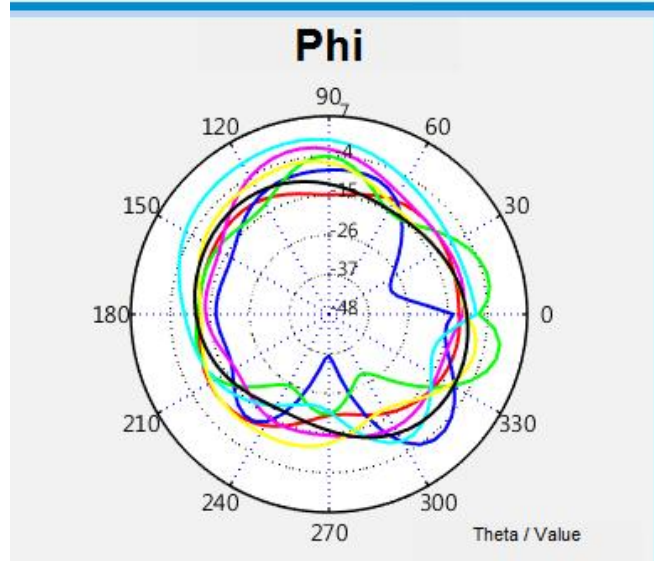
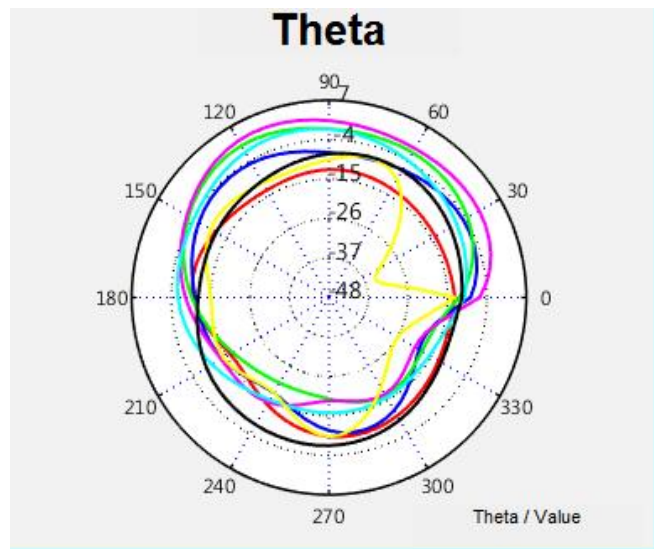
Directional diagram-2D(2.45G)



Directional diagram-3D(5.15G)

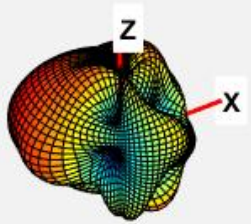


Directional diagram-2D (5.15G)

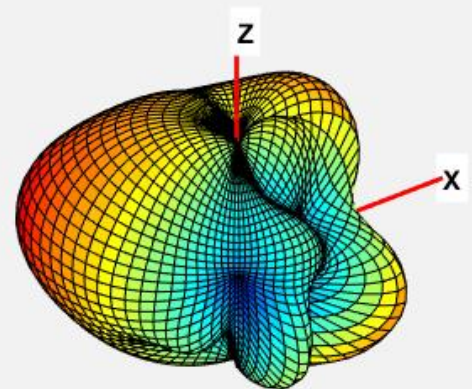


Directional diagram-3D(5.5G)

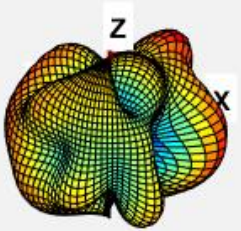
Theta



Total

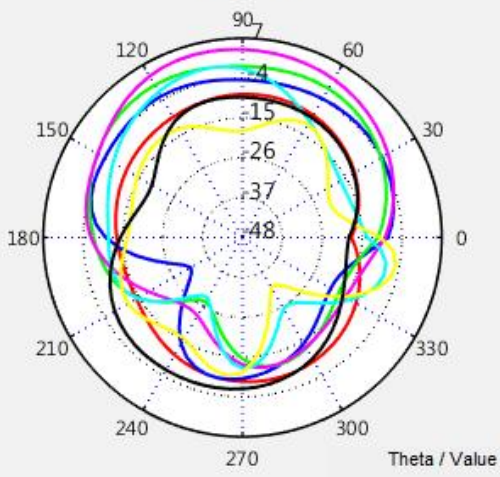


Phi

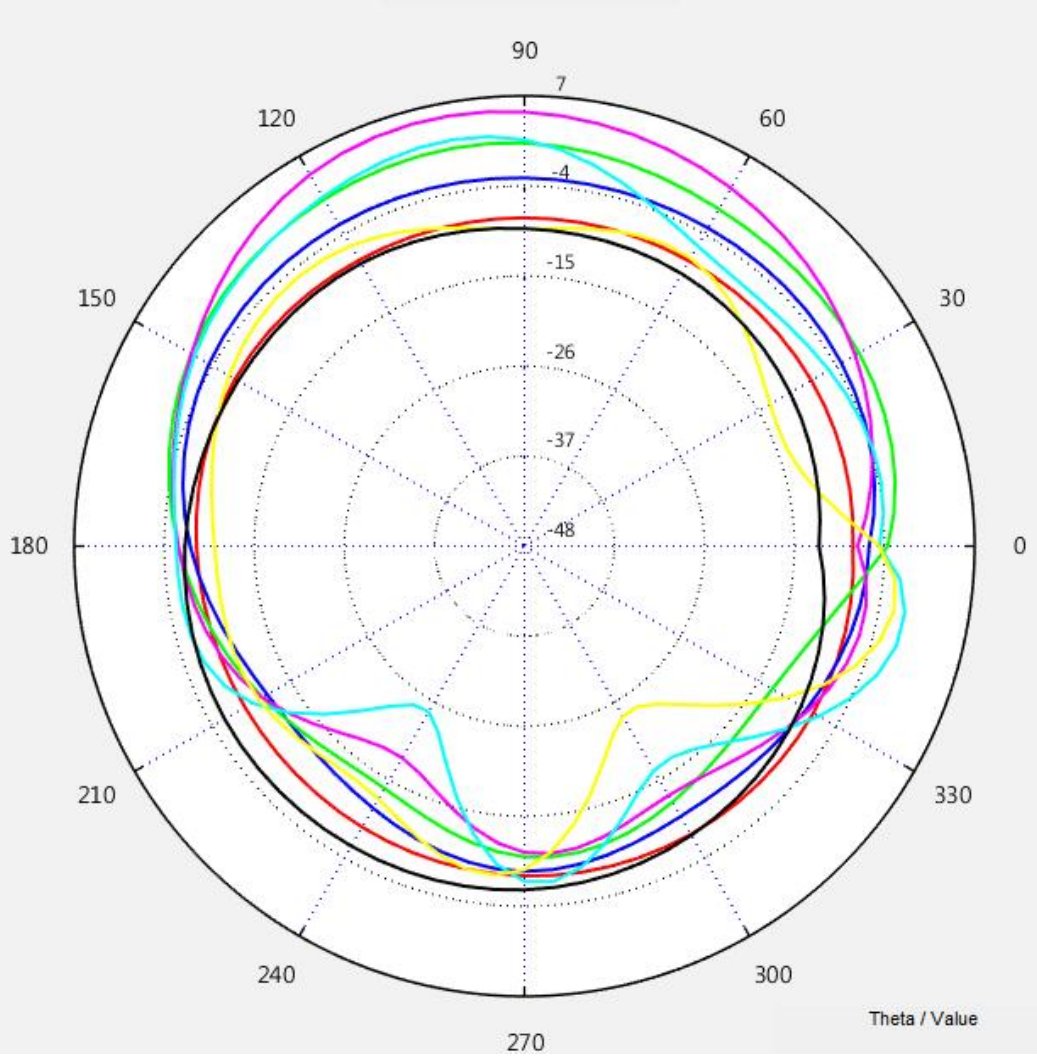


Directional diagram-2D(5.5G)

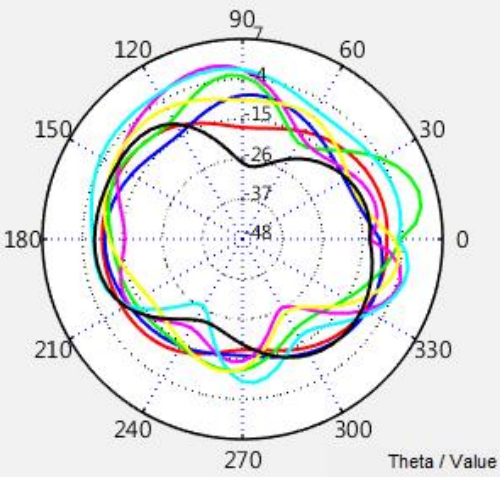
Theta



Total

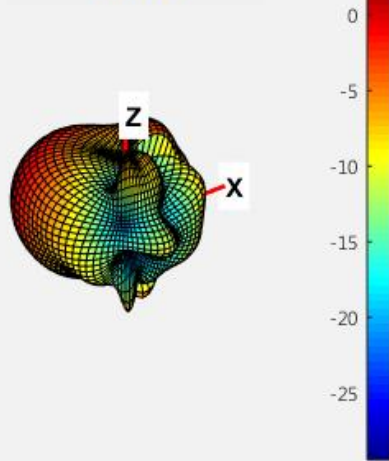


Phi

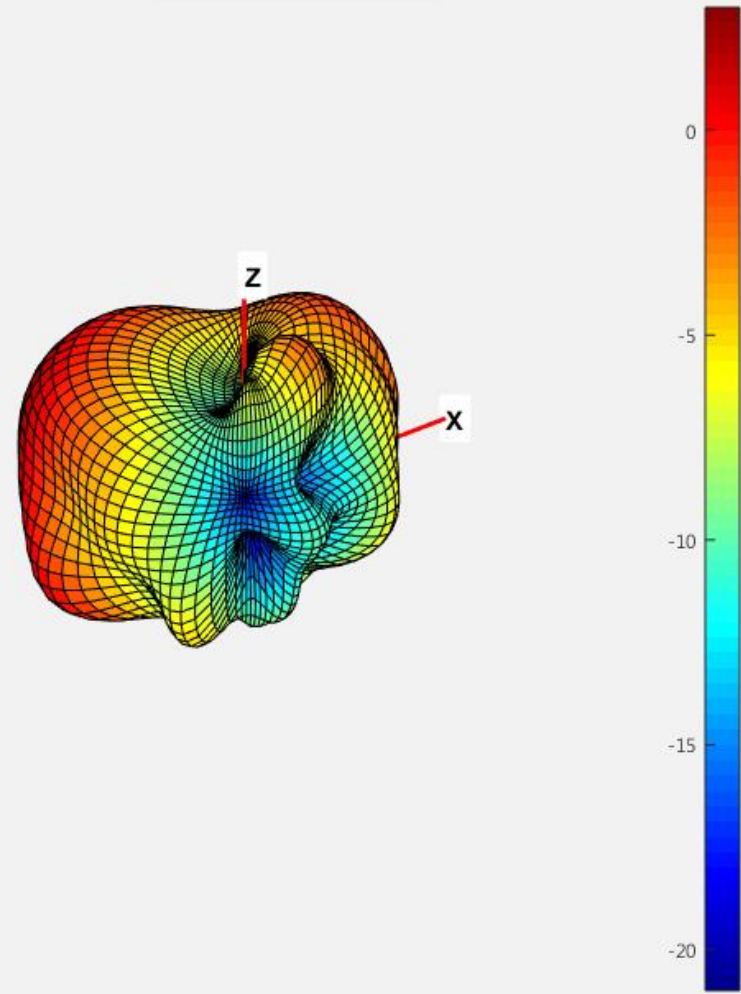


Directional diagram-3D (5.85G)

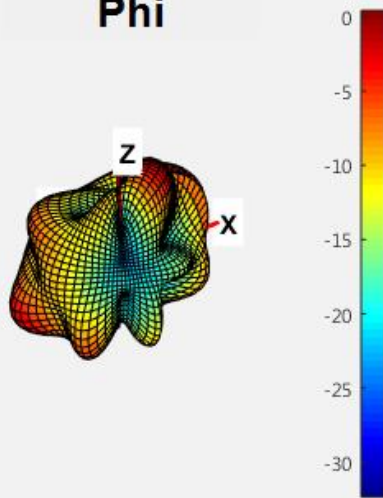
Theta



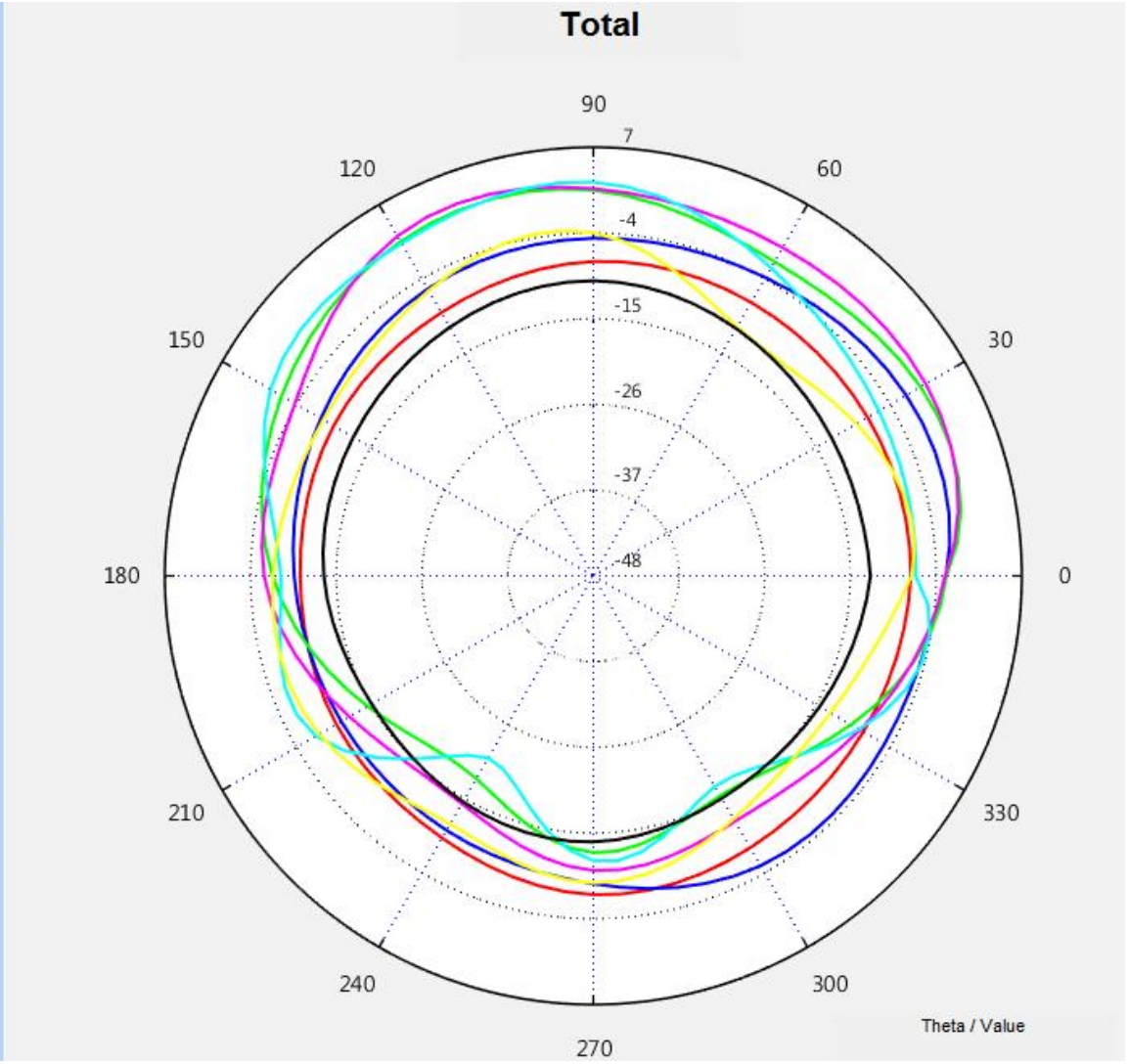
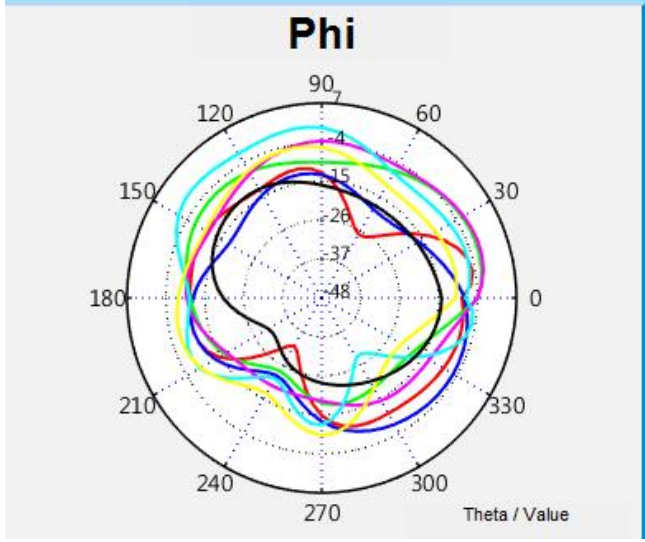
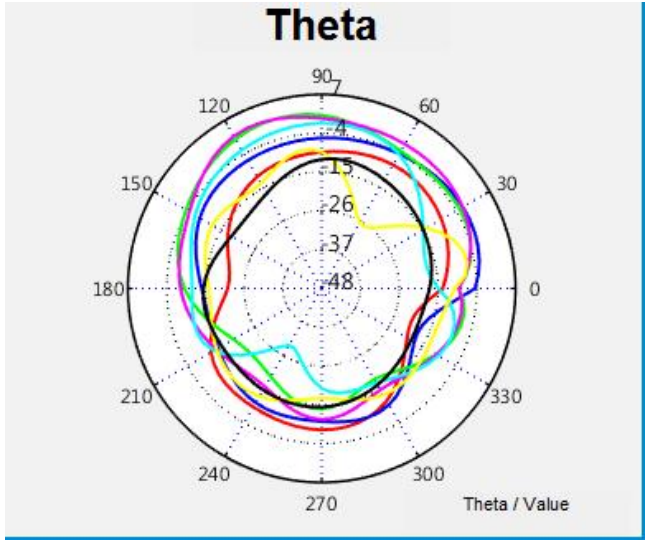
Total



Phi



Directional diagram-2D (5.85G)





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