

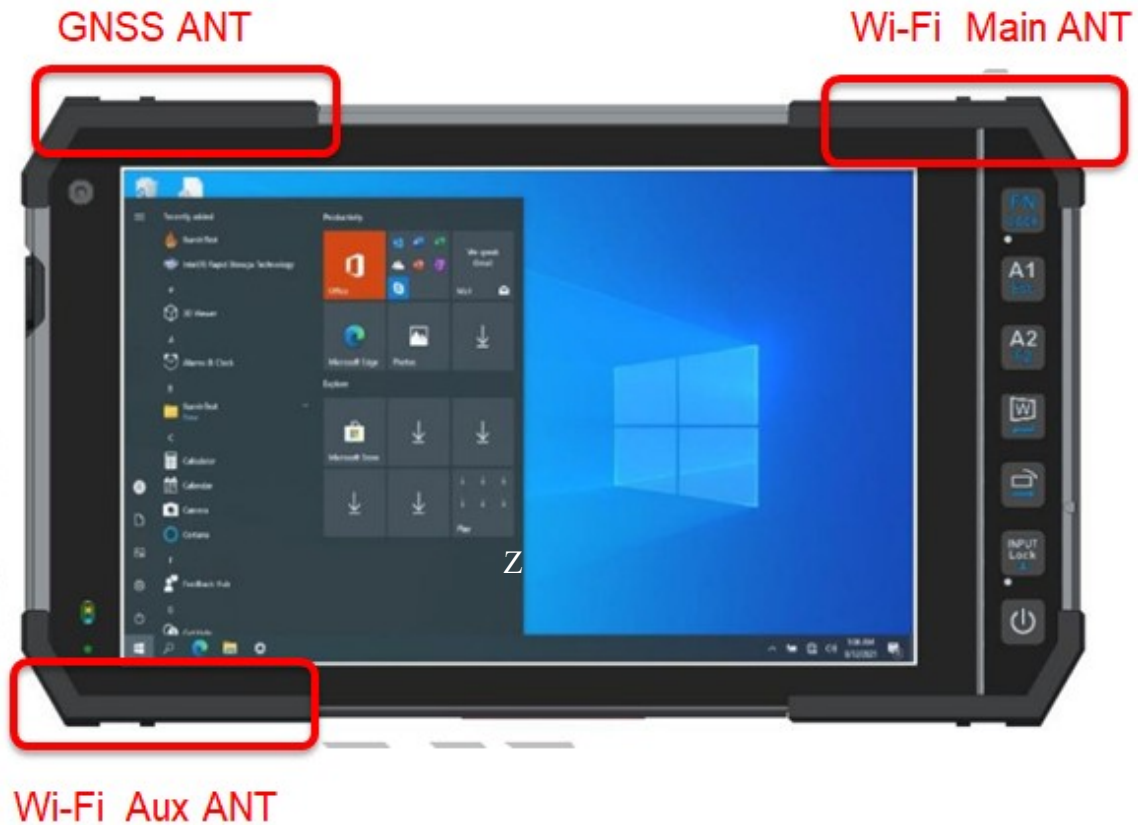
茂訊電腦股份有限公司
測試報告 TEST REPORT

第 1/1 頁

機型：DP8

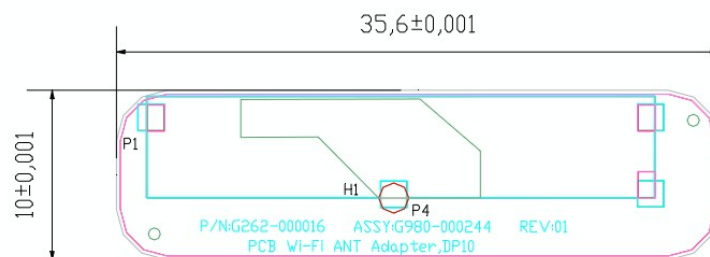
名稱：Antenna Test Report

1. DP8 Antenna location

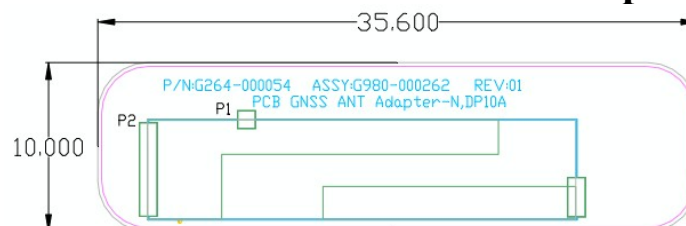


2. Antenna Dimensions

2-1 PN: G980-000244 / PCBA Wi-Fi ANT Adapter,DP10A



2-2 PN: G980-000262 / PCBA GNSS ANT Adapter-N,DP10A



3. Antenna Return Loss

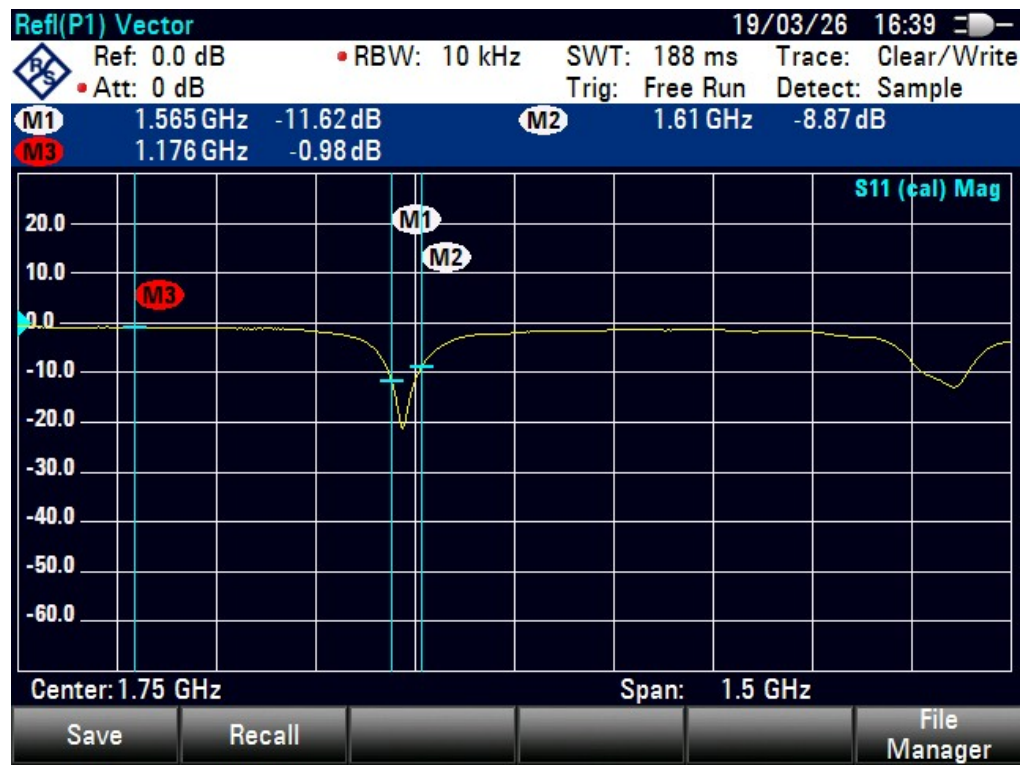
3-1 Wi-Fi Main Antenna



3-2 Wi-Fi Aux Antenna



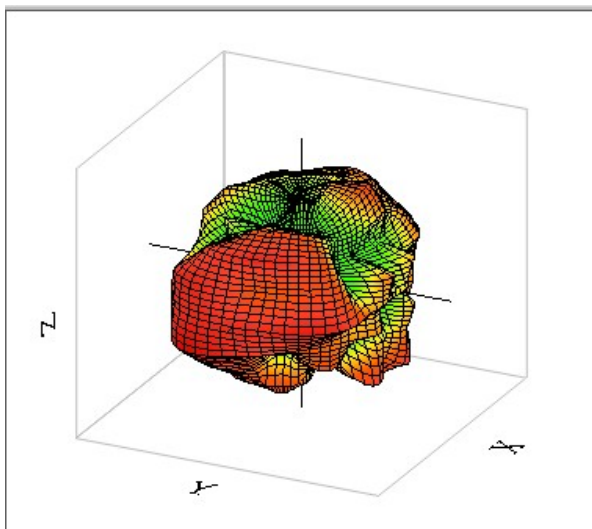
3-3 GNSS Antenna



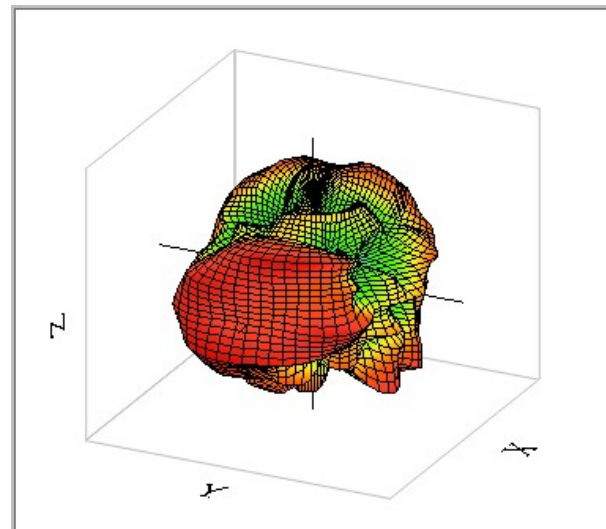
4.3D-Chamber Measurement Test



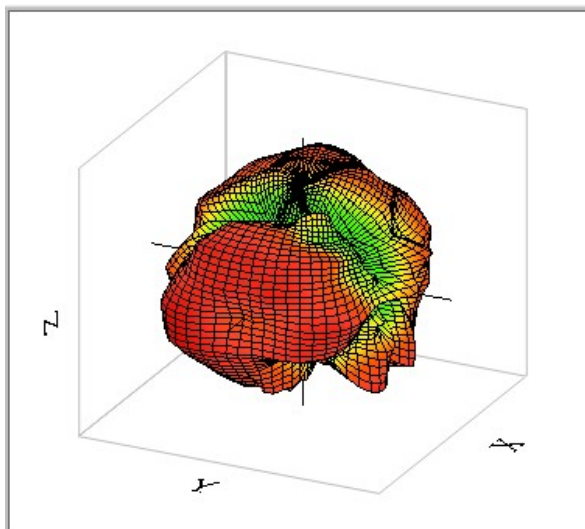
4-1 Wi-Fi Main 3D Antenna Pattern



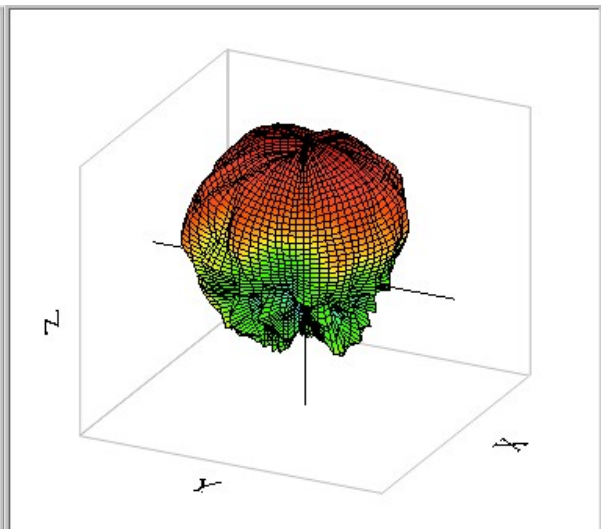
WLAN 2400MHz



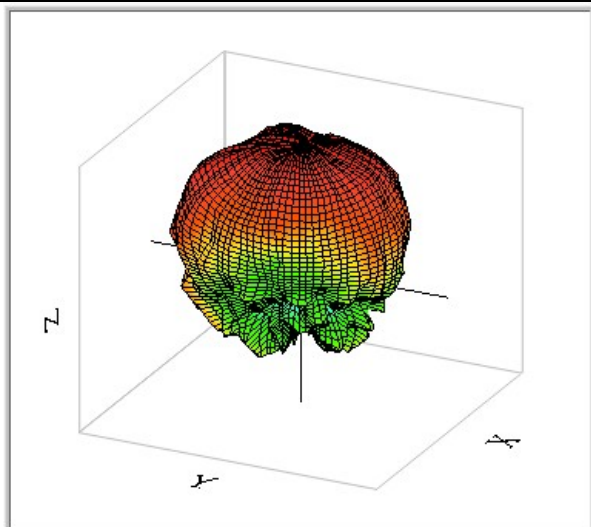
WLAN 2450MHz



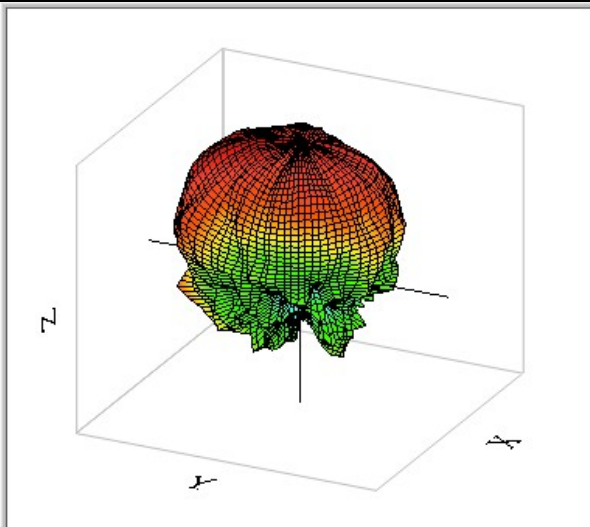
WLAN 2500MHz



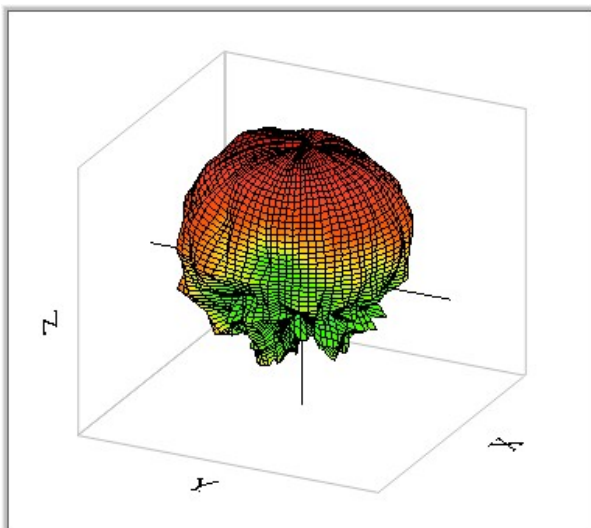
WLAN 5150MHz



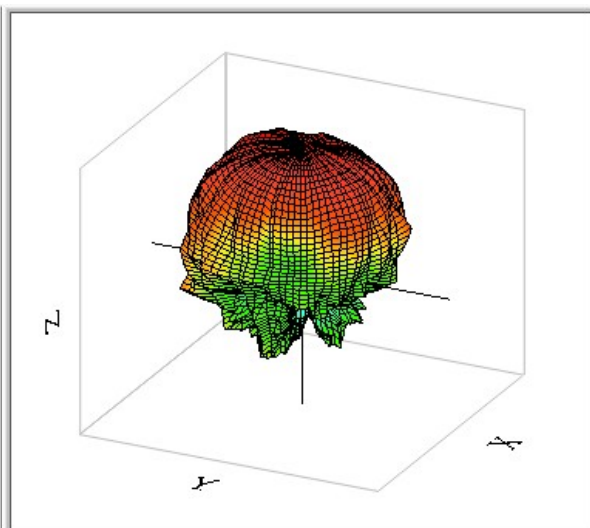
WLAN 5250MHz



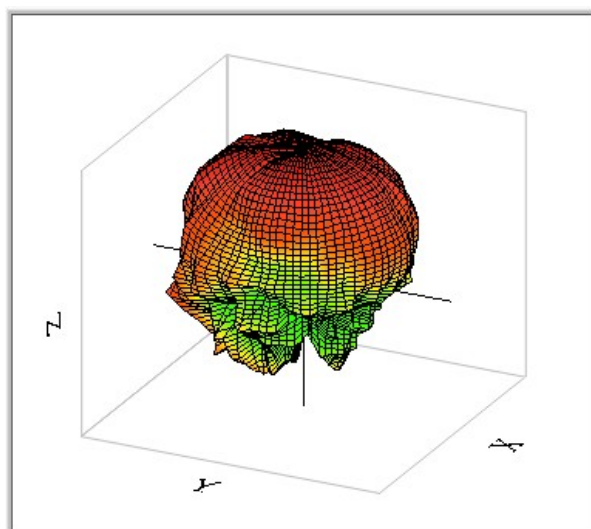
WLAN 5350MHz



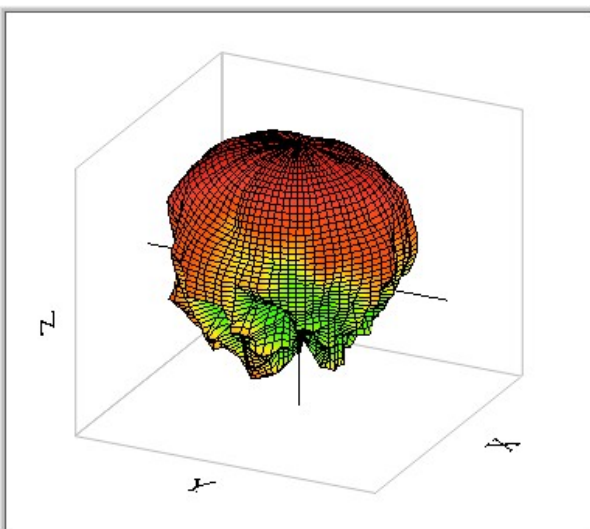
WLAN 5470MHz



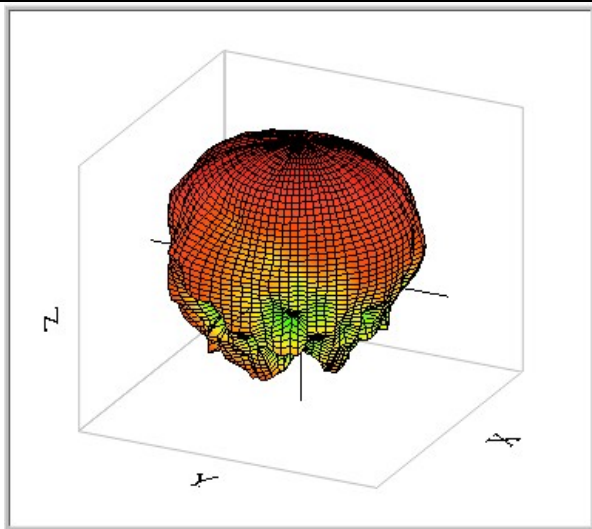
WLAN 5500MHz



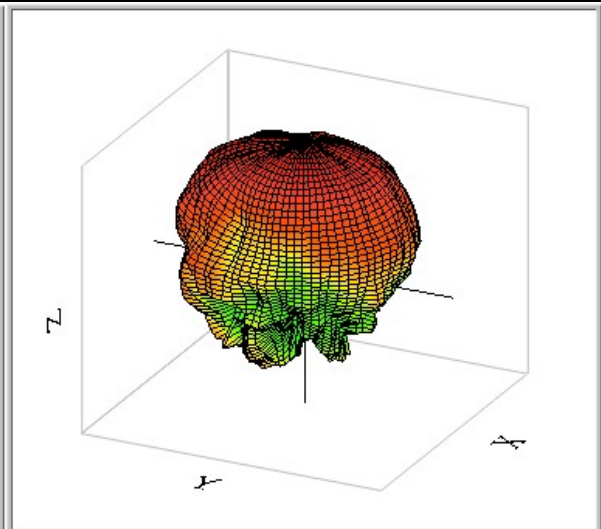
WLAN 5600MHz



WLAN 5725MHz

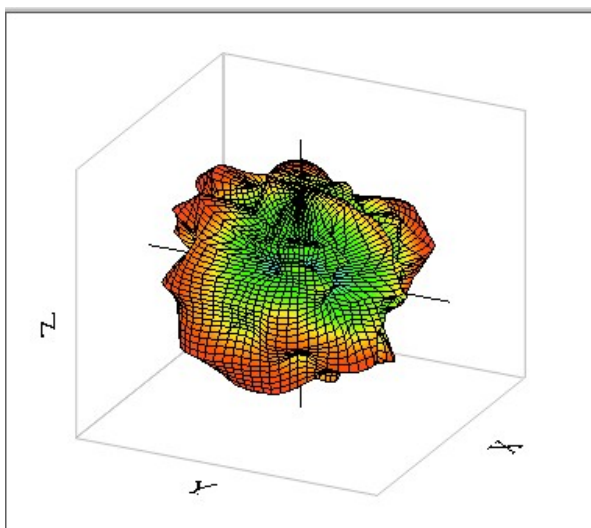


WLAN 5785MHz

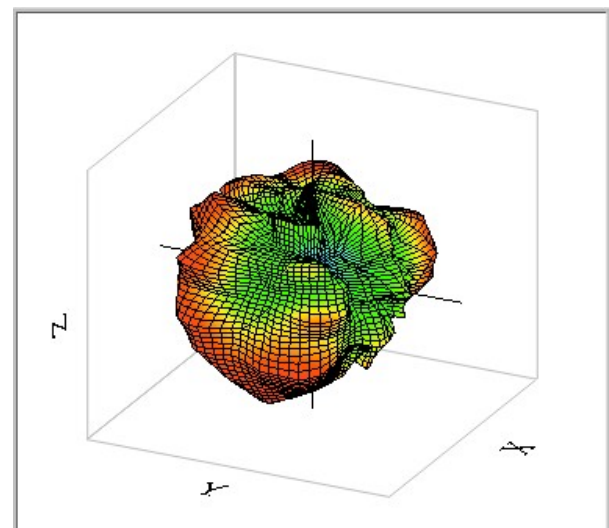


WLAN 5850MHz

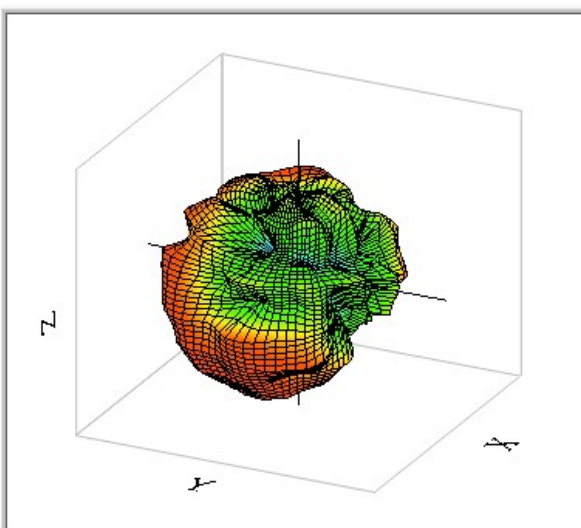
4-2 Wi-Fi Aux 3D Antenna Pattern



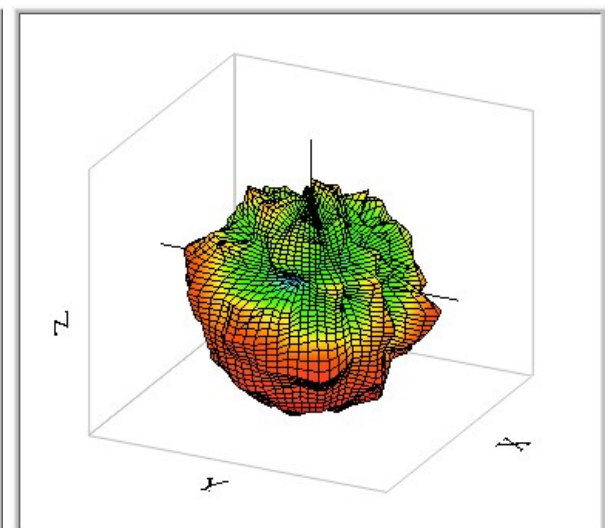
WLAN 2400MHz



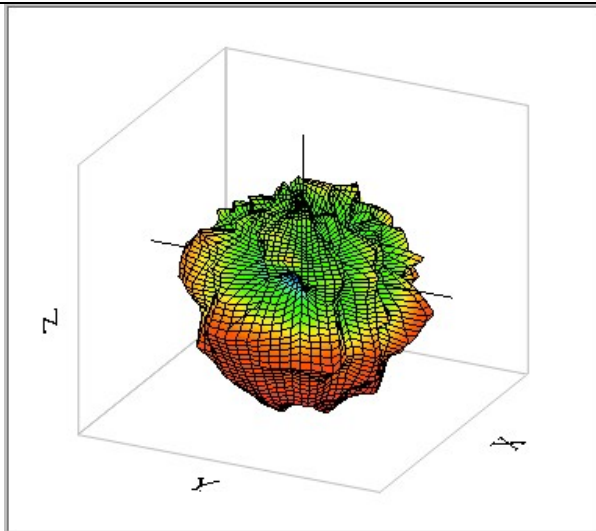
WLAN 2450MHz



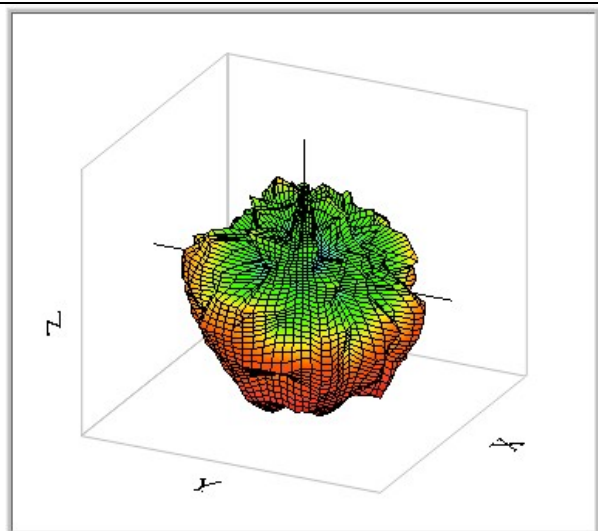
WLAN 2500MHz



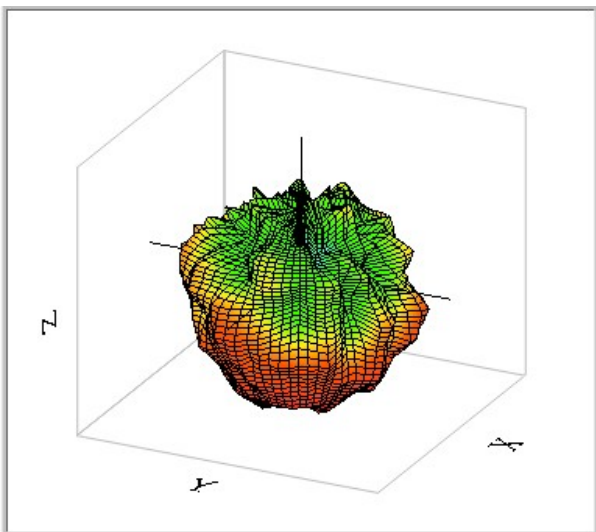
WLAN 5150MHz



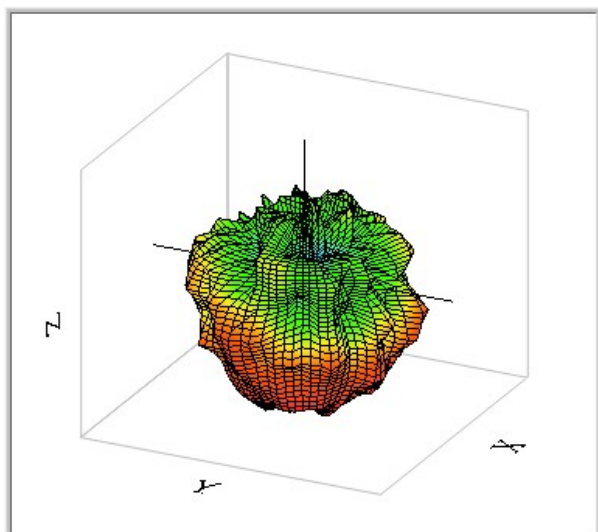
WLAN 5250MHz



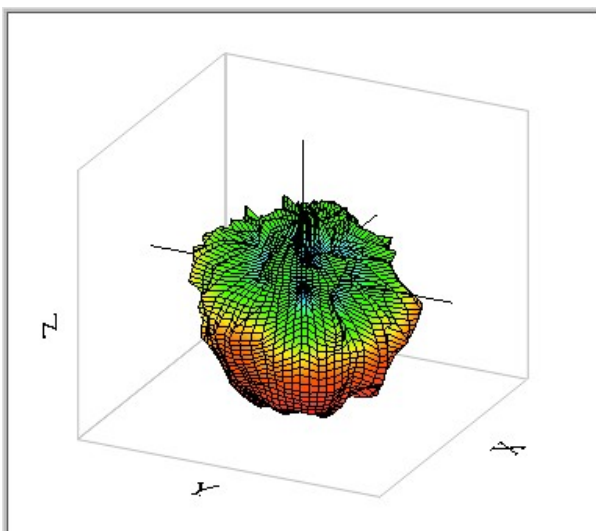
WLAN 5350MHz



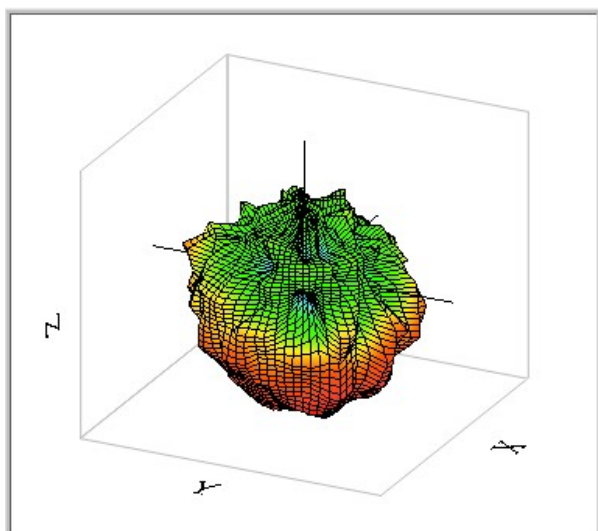
WLAN 5470MHz



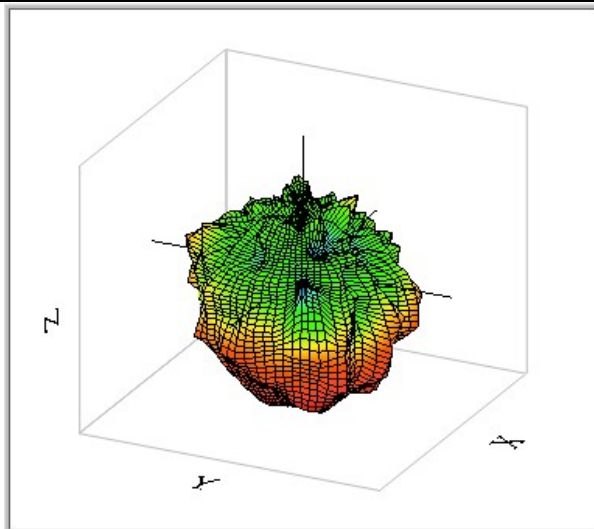
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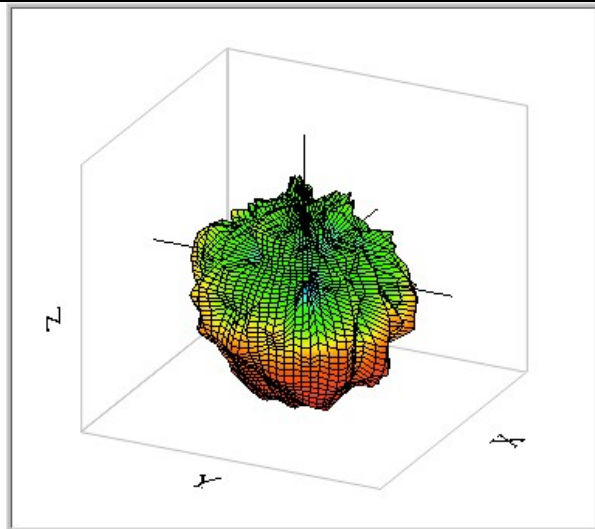
WLAN 5600MHz



WLAN 5725MHz

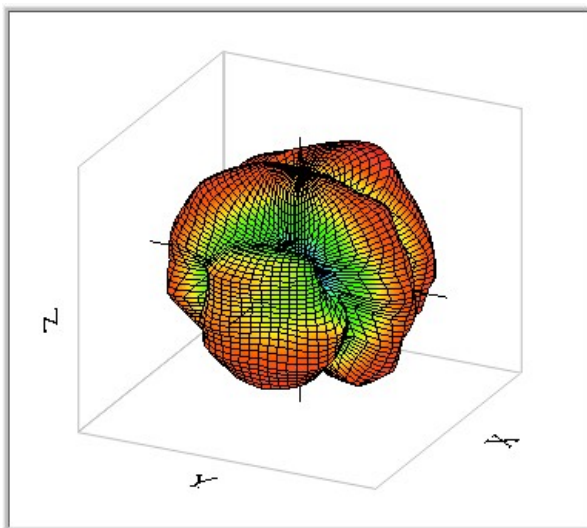


WLAN 5785MHz

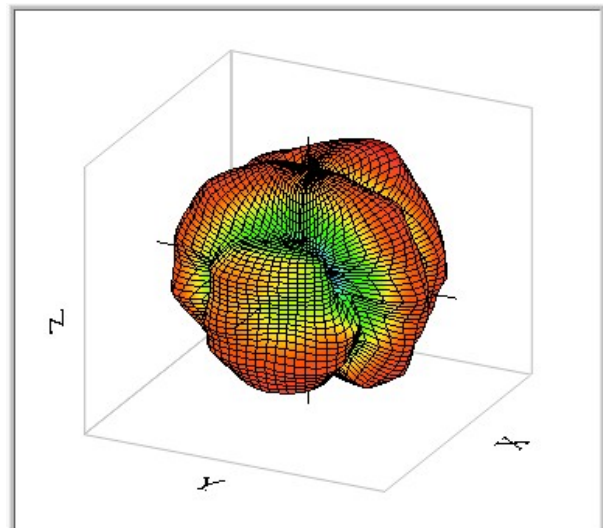


WLAN 5850MHz

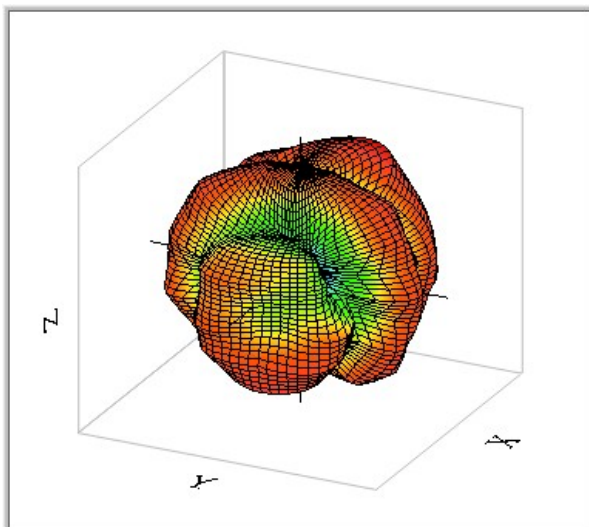
4-2 GSNN 3D Antenna Pattern



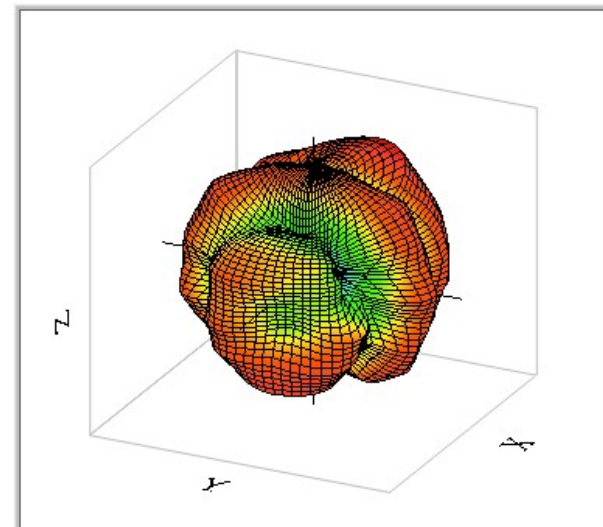
GNSS 1561MHz



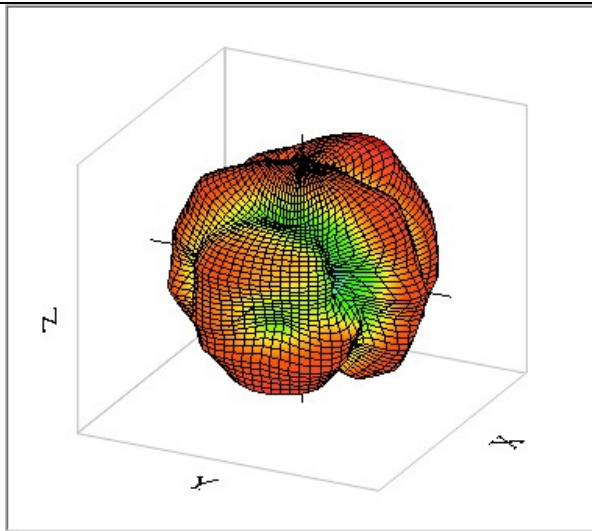
GNSS 1565MHz



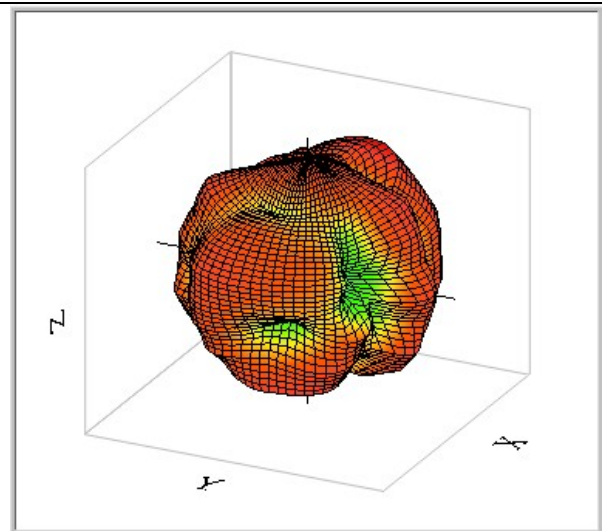
GNSS 1565MHz



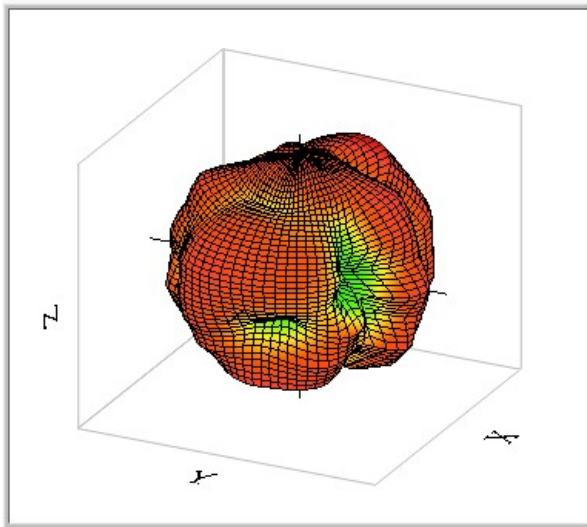
GNSS 1575.42MHz



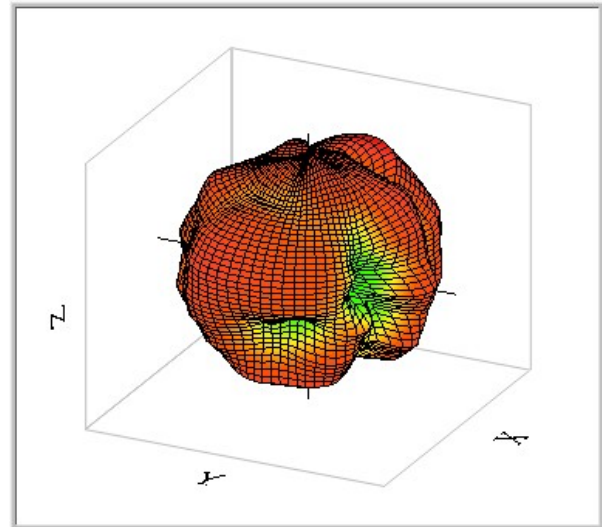
GNSS 1580MHz



GNSS 1596MHz



GNSS 1600MHz



GNSS 1601MHz

5. Antenna Efficiency:

5-1 Wi-Fi Main Antenna

Frequency	Efficiency H+V (%)	Gain H+V (dBi)
2.4GHz	27.8	1.26
2.425GHz	21.83	-0.26
2.45GHz	19.05	-1.83
2.475GHz	16.33	-3
2.5GHz	12.56	-4.21
5.15GHz	66.53	4.72
5.25GHz	61.66	4.29
5.35GHz	69.34	4.89
5.47GHz	54.7	4.24
5.5GHz	55.85	4.32
5.6GHz	56.23	4.2
5.725GHz	50.58	3.94
5.785GHz	45.81	3.84
5.85GHz	53.21	4.42

5-2 Wi-Fi Aux Antenna

Frequency	Efficiency H+V (%)	Gain H+V (dBi)
2.4GHz	23.82	-0.05
2.425GHz	16.71	-0.7
2.45GHz	14.52	-1.09
2.475GHz	13.09	-1.97
2.5GHz	10.26	-2.55
5.15GHz	43.05	4.27
5.25GHz	49.09	5.39
5.35GHz	45.29	4.92
5.47GHz	36.06	4.62
5.5GHz	34.12	4.27
5.6GHz	37.41	4.69
5.725GHz	32.58	4.37
5.785GHz	31.55	4.36
5.85GHz	29.17	4.04

5-3 GNSS Antenna

Frequency	Efficiency H+V (%)	Gain H+V (dBi)
1.55GHz	36.39	0.37
1.555GHz	36.81	0.43
1.56GHz	40.93	0.81
1.561GHz	40.93	0.79
1.565GHz	41.4	0.75
1.57GHz	43.55	1.01
1.57542GHz	40.55	0.95
1.58GHz	39.72	0.97
1.586GHz	40.46	1.11
1.596GHz	38.46	0.72
1.6GHz	38.19	0.62
1.605GHz	33.65	-0.1
1.61GHz	32.28	-0.19

審核：

承辦：

QR-83-04