

茂訊電腦股份有限公司

測試報告 TEST REPORT

第 1/1 頁

機型：RK15

名稱：Antenna Test Report

1. RK15 Antenna location

A. 料號: G980-000253 PCBA ANT-L,ML15 (WI-FI+GNSS)

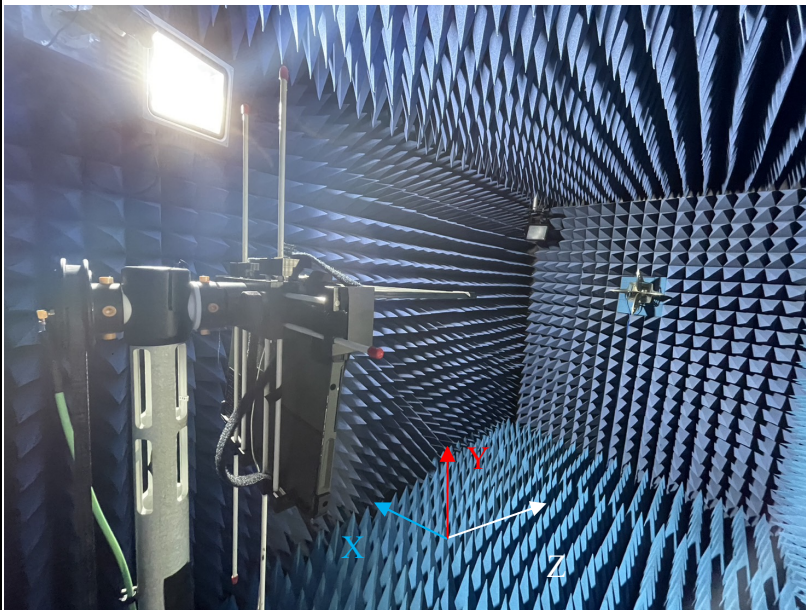
Antenna type : PIFA

B. 料號: G980-000254 PCBA ANT-R,ML15 (WI-FI)

Antenna type : PIFA

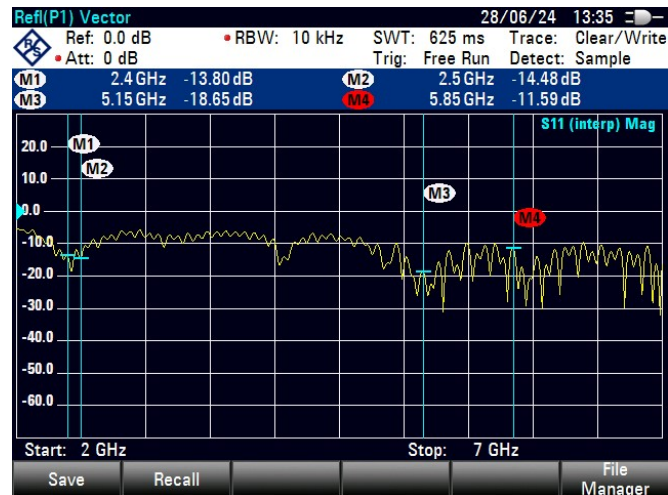


2. 3D-Chamber Measurement Test



3. Antenna Return Loss

3.1 WIFI Antenna



3.2 WIFI&BT Antenna

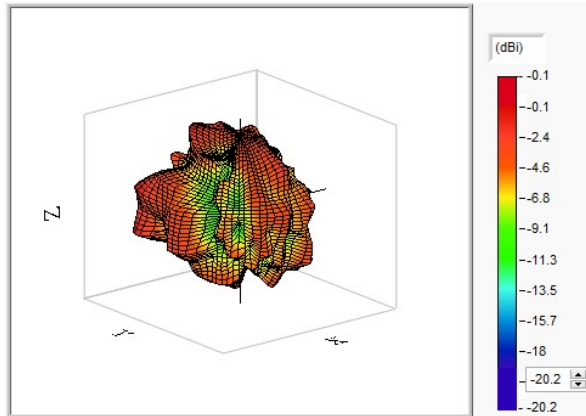


3.3 GNSS Antenna

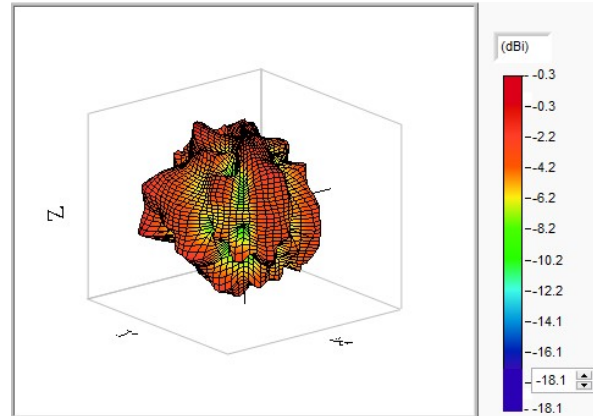


4. 3D Antenna Pattern:

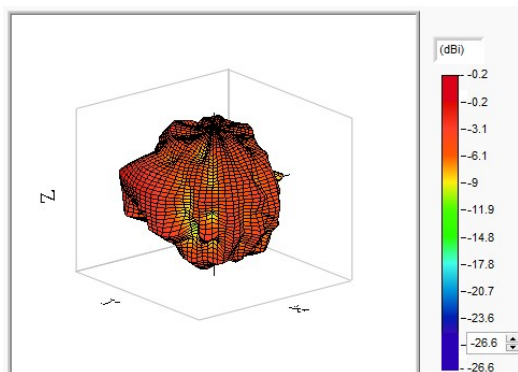
4-1WIFI



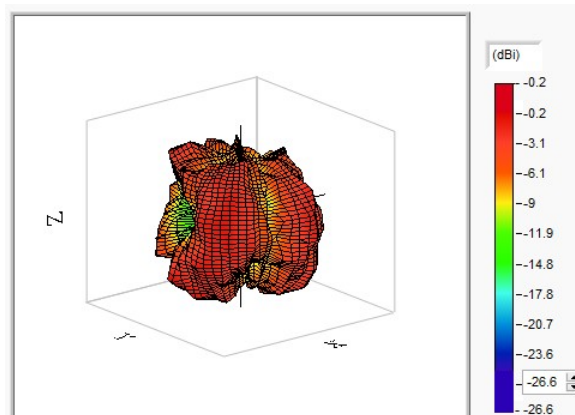
WIFI 2400MHz



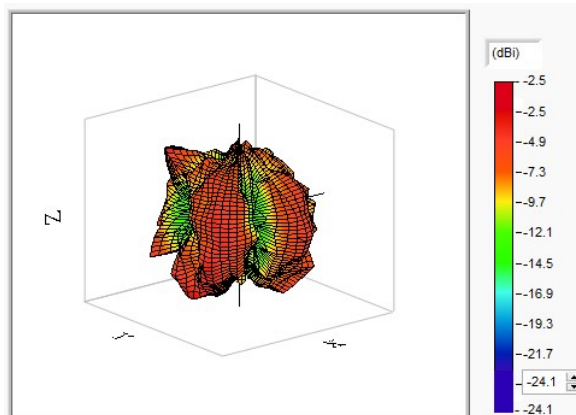
WIFI 2450MHz



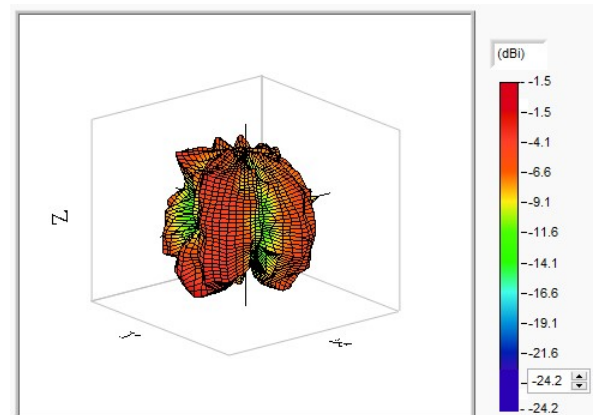
WIFI 2500MHz



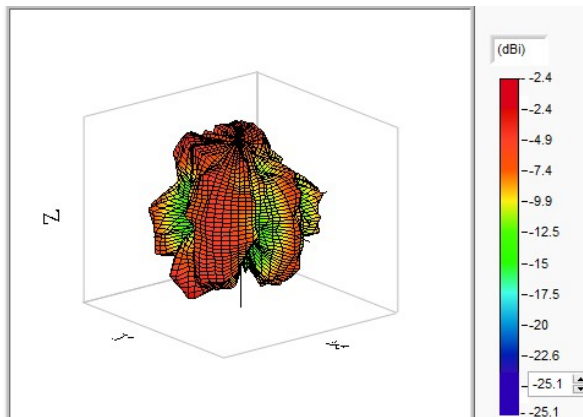
WIFI 5150MHz



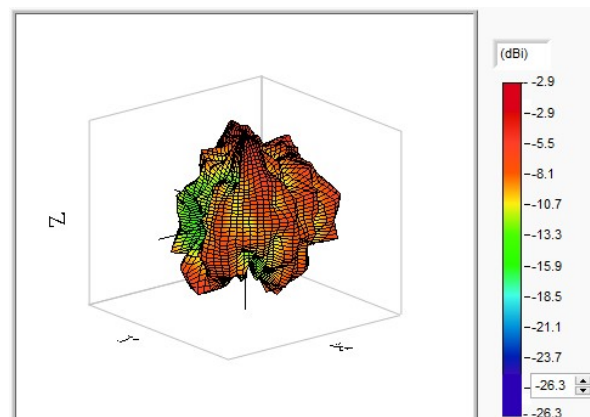
WIFI 5250MHz



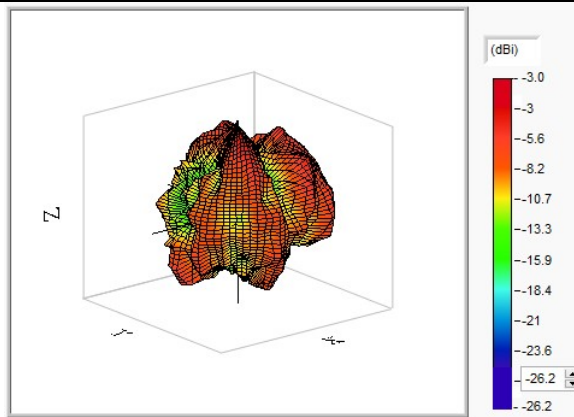
WIFI 5350MHz



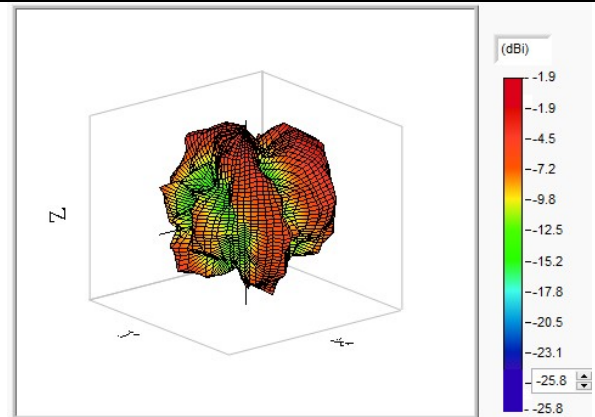
WIFI 5470MHz



WIFI 5600MHz

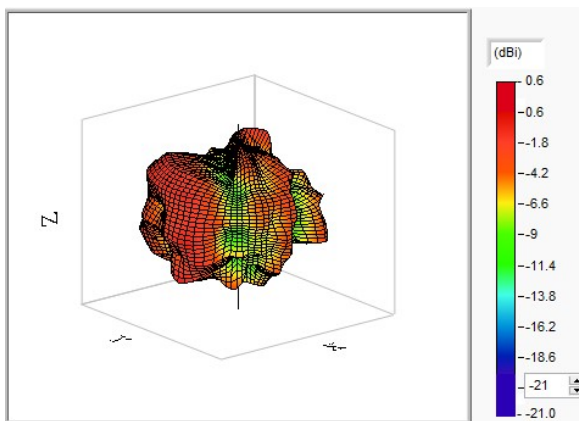


WIFI 5725MHz

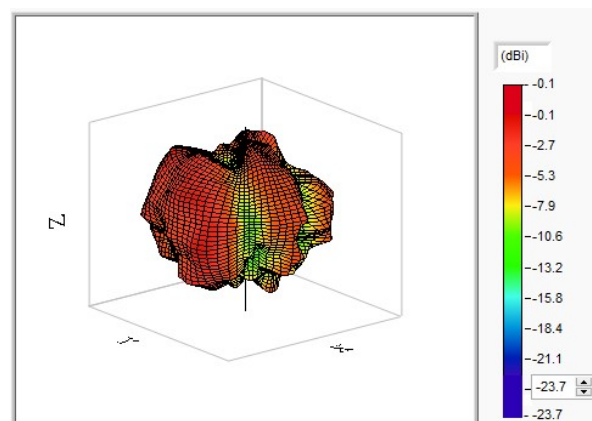


WIFI 5850MHz

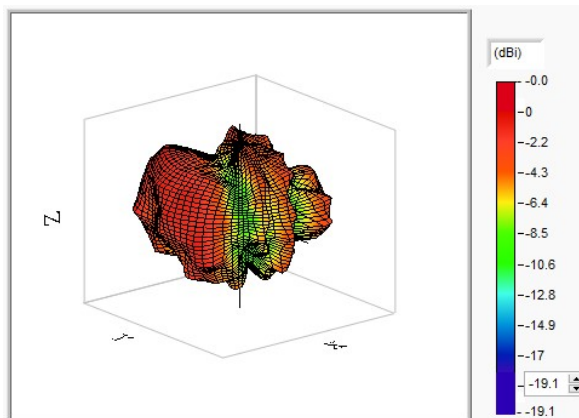
4-2 WIFI&BT



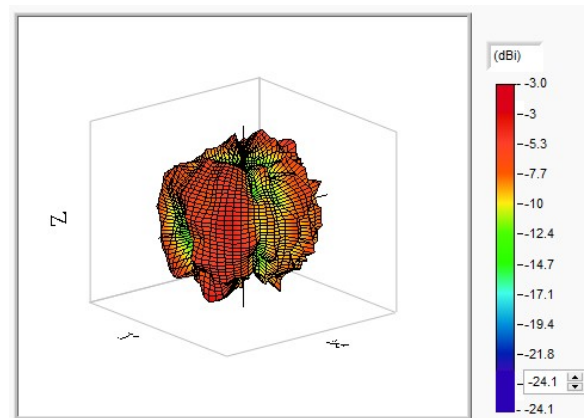
WIFI&BT 2400MHz



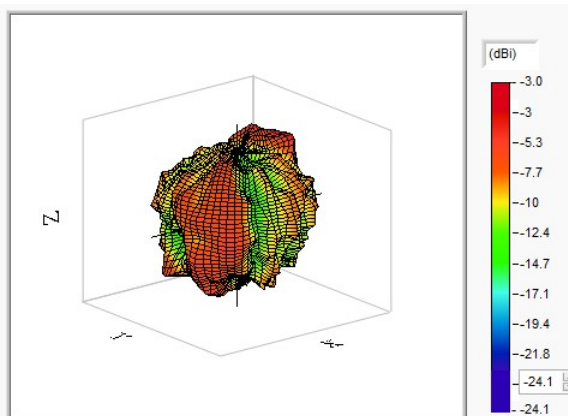
WIFI & BT 2450MHz



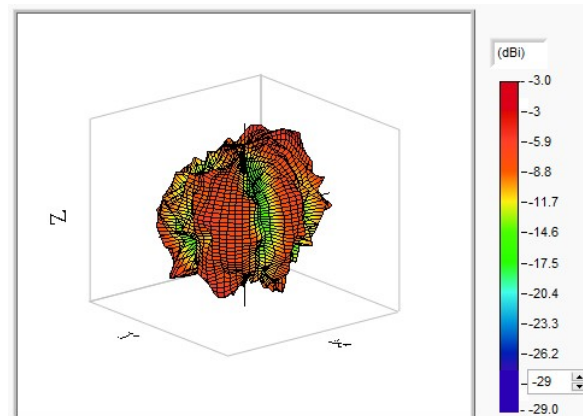
WIFI&BT 2500MHz



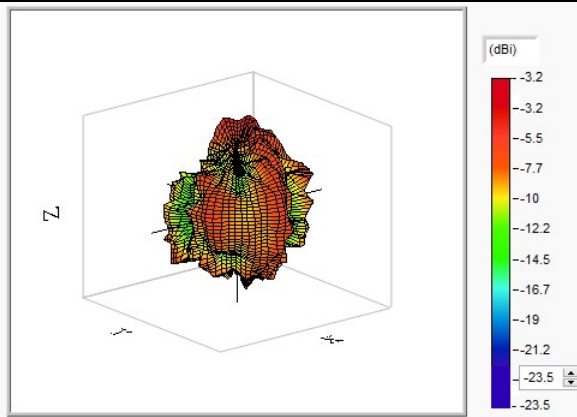
WIFI&BT 5150MHz



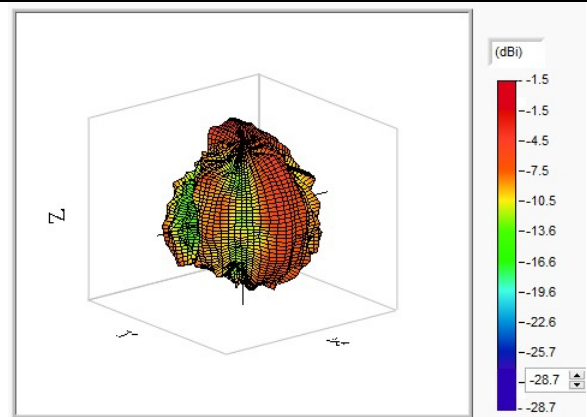
WIFI&BT 5250MHz



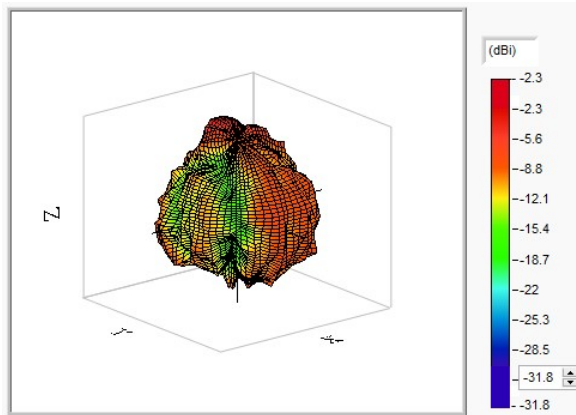
WIFI&BT 5350MHz



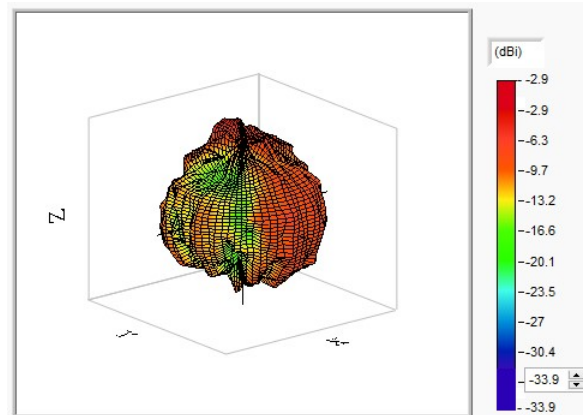
WIFI&BT 5470MHz



WIFI&BT 5600MHz

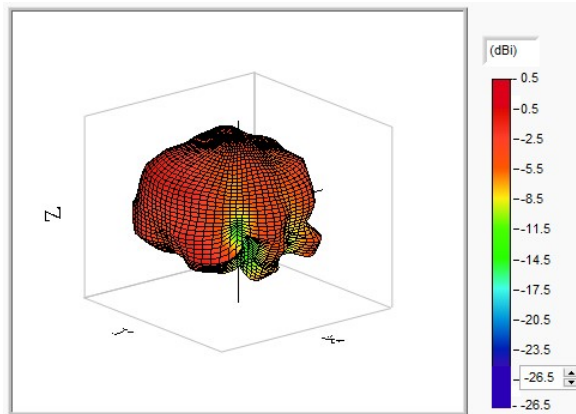


WIFI&BT 5725MHz

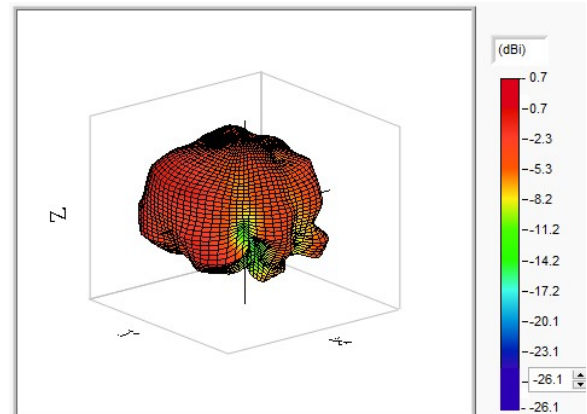


WIFI&BT 5850MHz

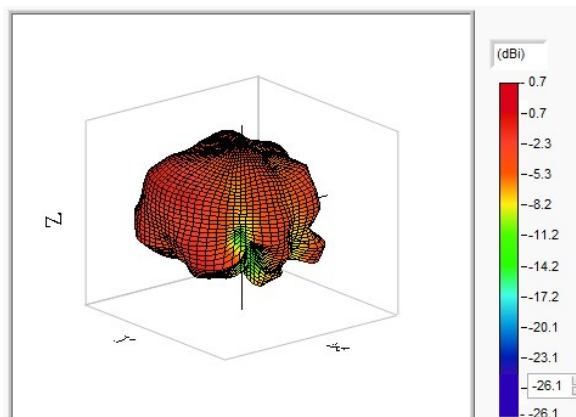
4-3 GNSS



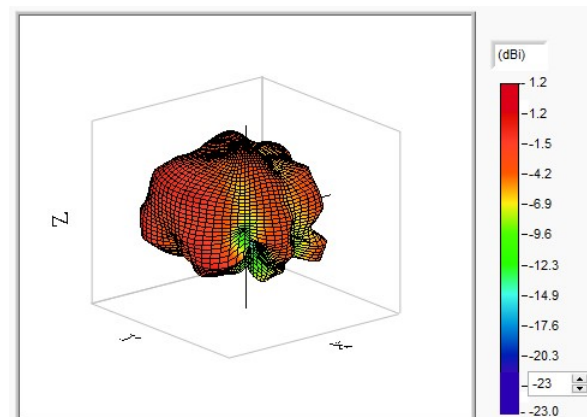
1559MHz



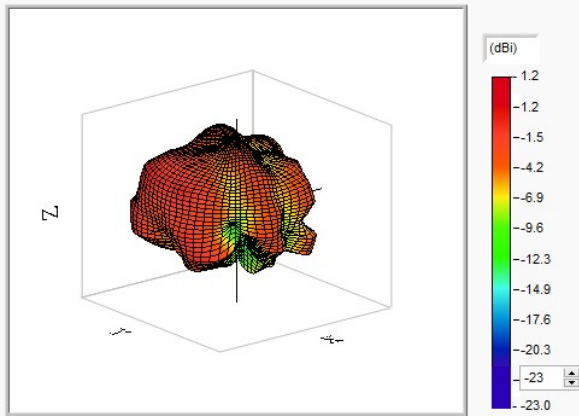
1561MHz



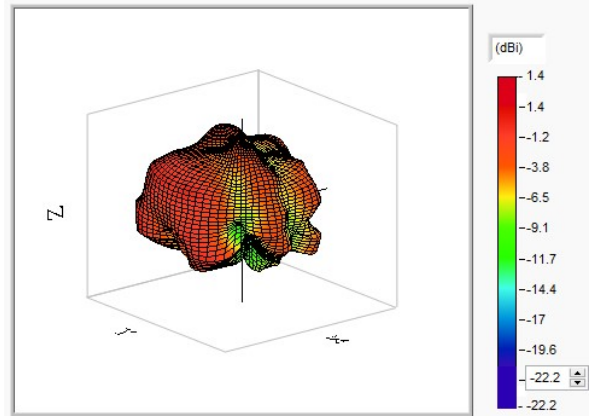
1564MHz



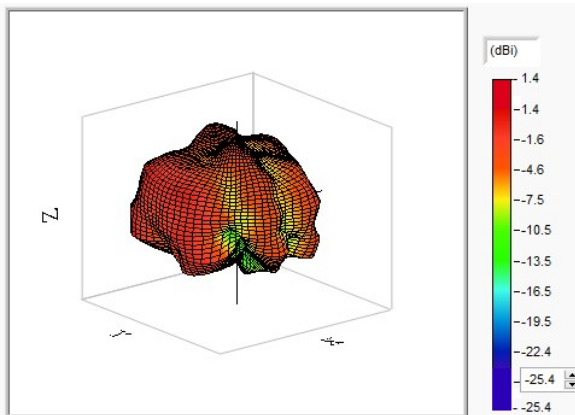
1570MHz



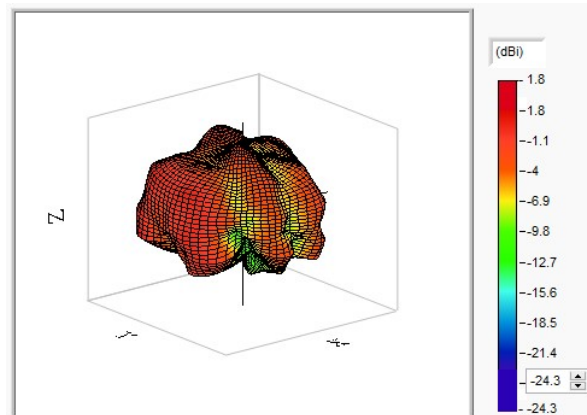
1575.42MHz



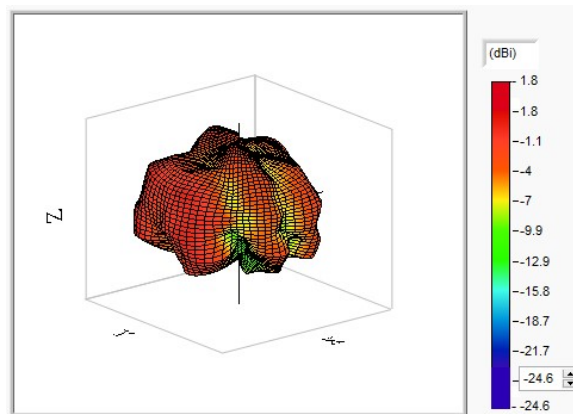
1580MHz



1596MHz



1601MHz



1606MHz

5. Antenna Efficiency:

5.1 WIFI Antenna Efficiency

Frequency(MHz)	Efficiency(%)	Peak Gain
2400	35.89	1.64
2450	38.64	1.32
2500	40.09	2.15
5150	23.82	-0.54
5250	22.96	0.47
5350	23.88	0.66
5470	18.92	-0.34
5600	17.82	-0.99
5725	23.12	0.23
5850	35.89	1.64

5.2 WIFI&BT Antenna Efficiency

Frequency(MHz)	Efficiency(%)	Peak Gain
2400	41.3	2.48
2450	42.56	2.03
2500	43.75	1.66
5150	18.97	-1.07
5250	17.14	-0.72
5350	18.62	-1.44
5470	19.14	-0.06
5600	18.79	0.96
5725	15.38	0.35
5850	14.32	-0.11

5.2 GNSS Antenna Efficiency

Frequency(MHz)	Efficiency(%)	Peak Gain
1559	46.45	2.9
1561	47.86	3.07
1564	48.53	3.2
1570	49.2	3.34
1575.42	50	3.49
1580	50.35	3.53
1596	53.95	3.78
1601	56.89	4.09
1606	57.28	4.17

審核：

承辦：