

茂訊電腦股份有限公司

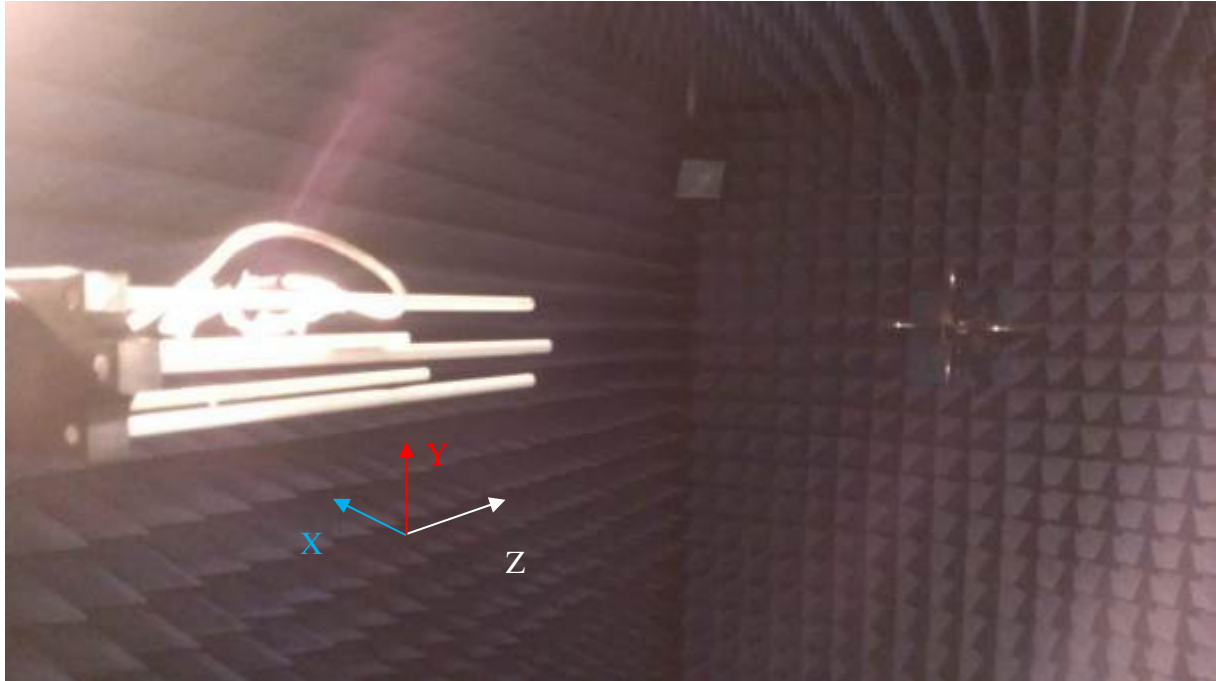
測試報告 TEST REPORT

第 1/1 頁

機型：RB14

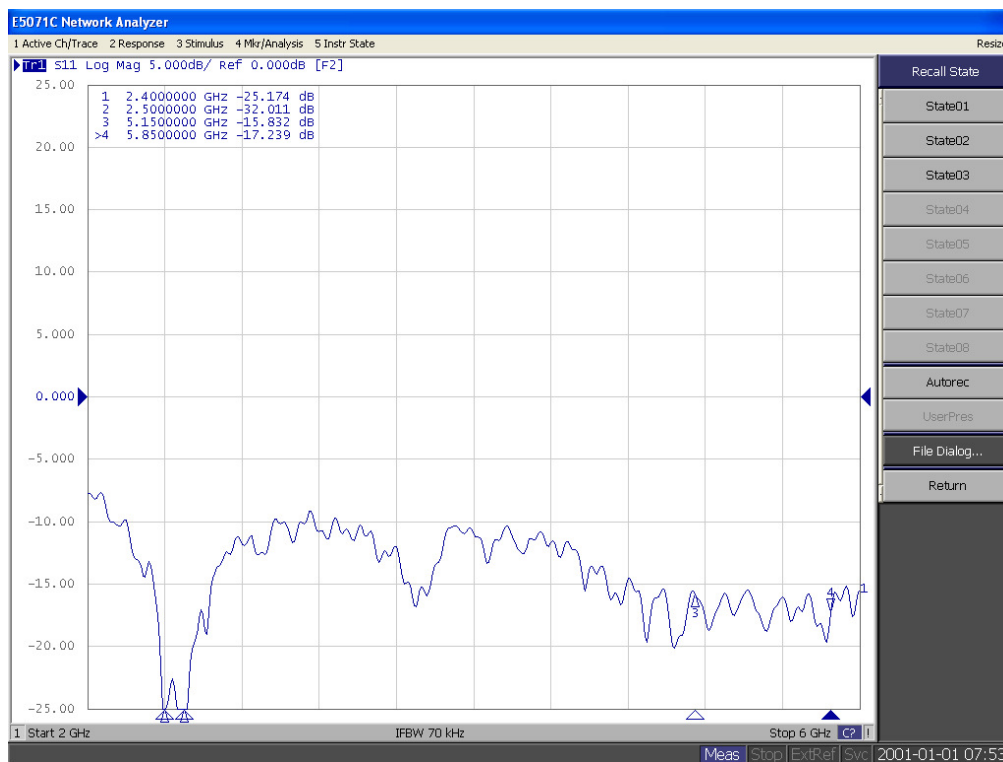
名稱：Antenna Test Report

1.3D-Chamber Measurement Test

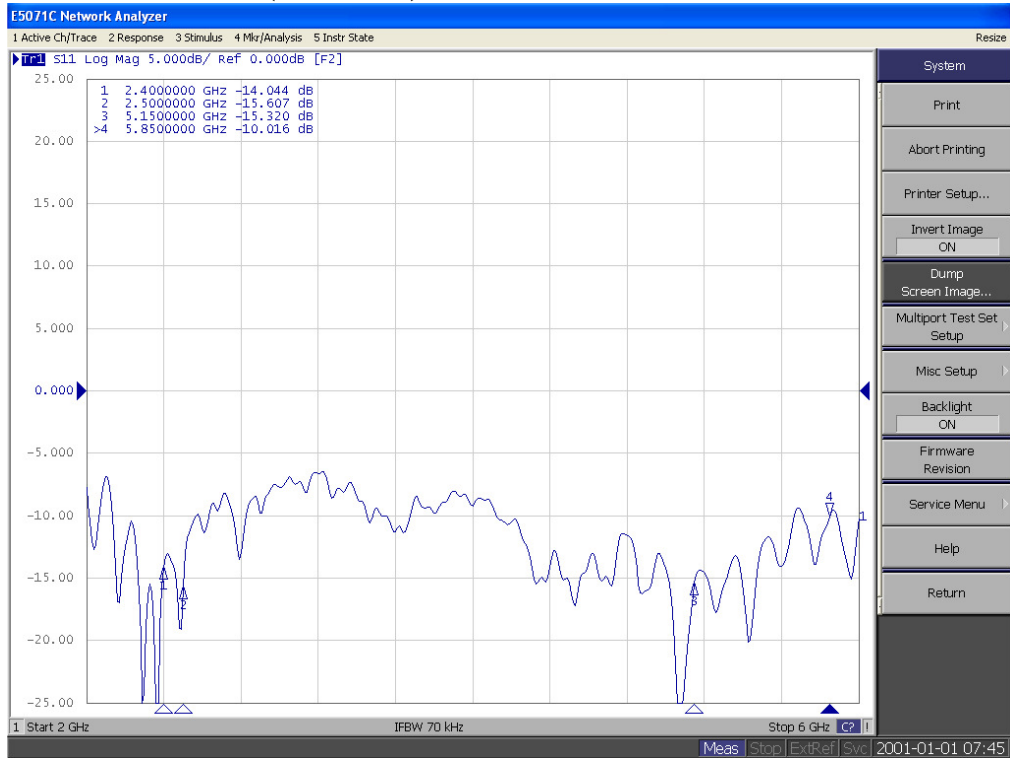


2. Antenna Return Loss

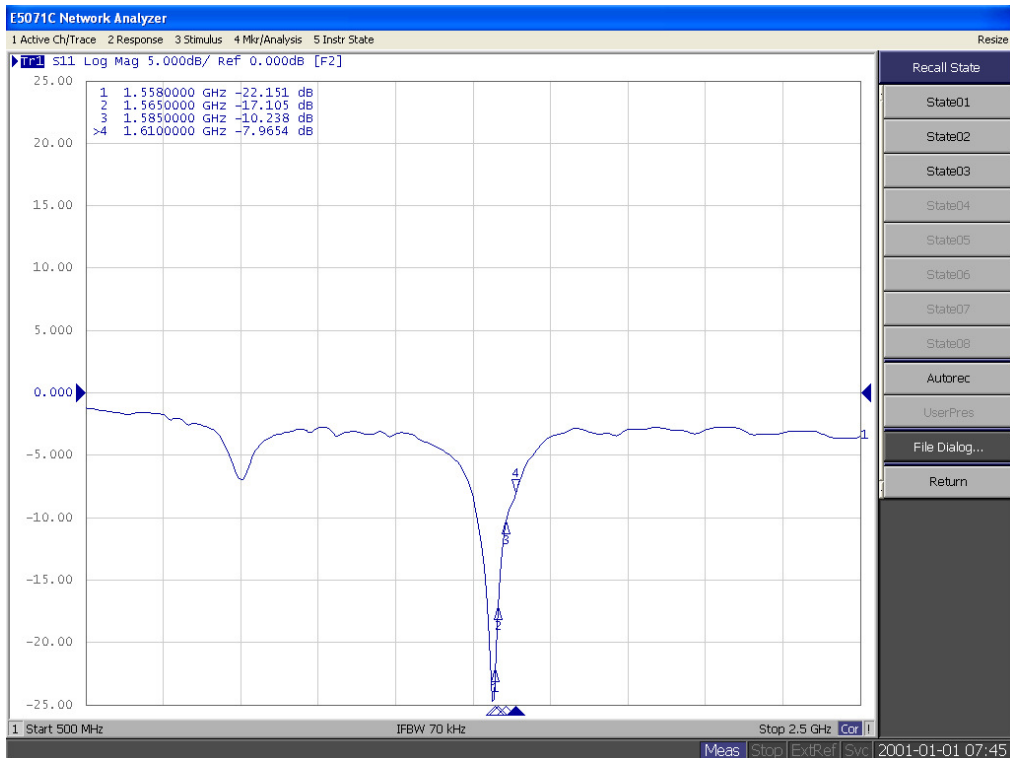
2.1 Main WLAN Antenna (WLAN2)



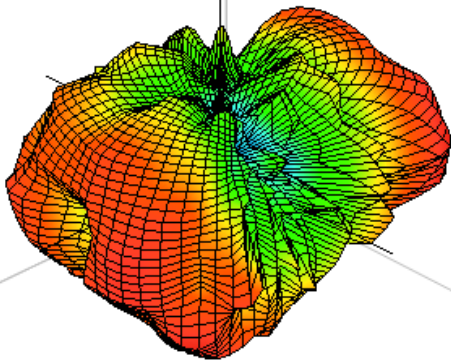
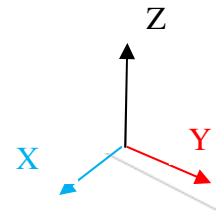
2.2 Aux WLAN Antenna (WLAN1)



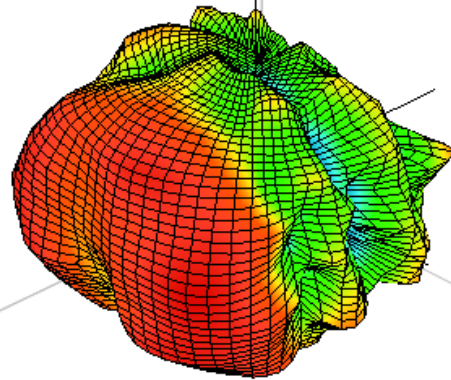
2.3 GNSS Antenna



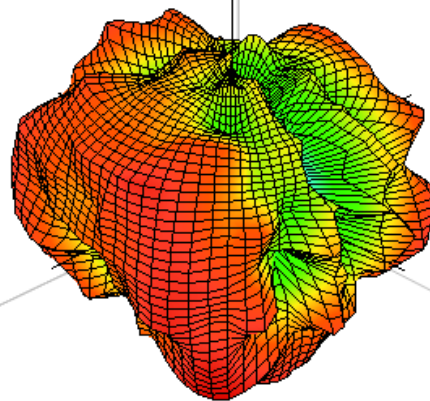
3. WLAN 3D Antenna Pattern:



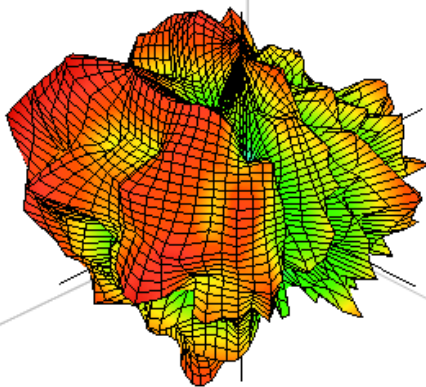
Main WLAN 2400MHz



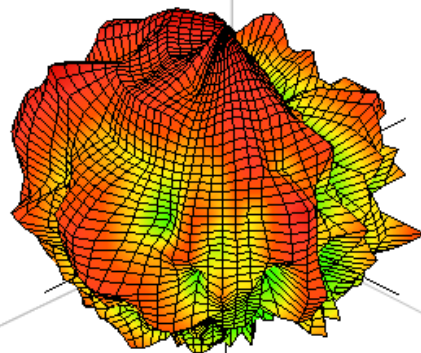
Main WLAN 2450MHz



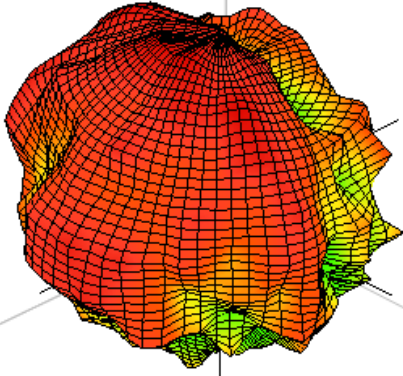
Main WLAN 2500MHz



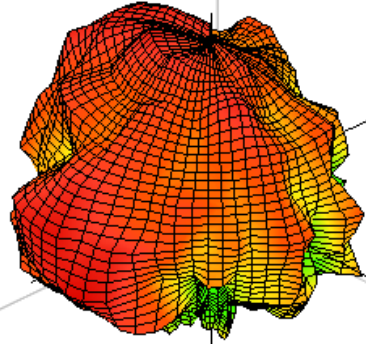
Main WLAN 5150MHz



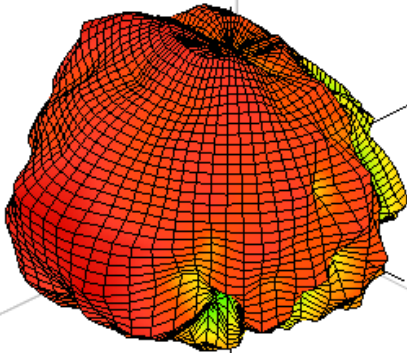
Main WLAN 5250MHz



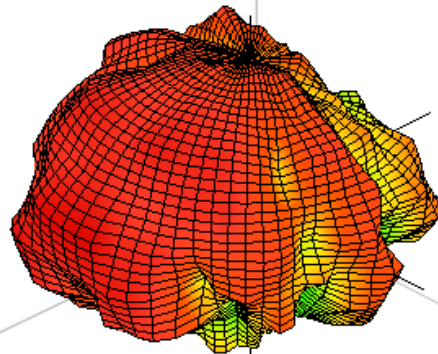
Main WLAN 5350MHz



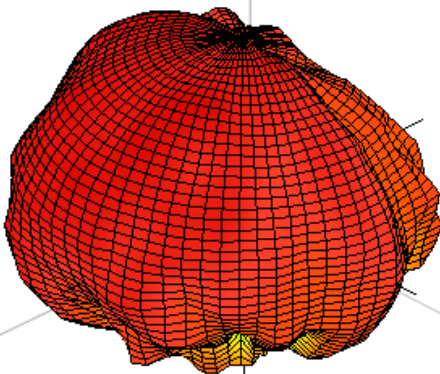
Main WLAN 5470MHz



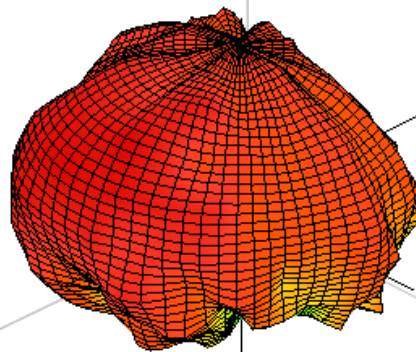
Main WLAN 5600MHz



Main WLAN 5725MHz



Main WLAN 5785MHz



Main WLAN 5850MHz



Aux WLAN 2400MHz

A 3D surface plot showing the signal strength of an auxiliary WLAN at 2400MHz. The plot is a mesh surface with a color gradient from green (low signal) to red (high signal). The signal is concentrated in the center and spreads outwards, with a slight dip in the middle.



Aux WLAN 2450MHz

A 3D surface plot showing the signal strength of an auxiliary WLAN at 2450MHz. The plot is a mesh surface with a color gradient from green to red. The signal is concentrated in the center and spreads outwards, with a slight dip in the middle.



Aux WLAN 2500MHz

A 3D surface plot showing the signal strength of an auxiliary WLAN at 2500MHz. The plot is a mesh surface with a color gradient from green to red. The signal is concentrated in the center and spreads outwards, with a slight dip in the middle.



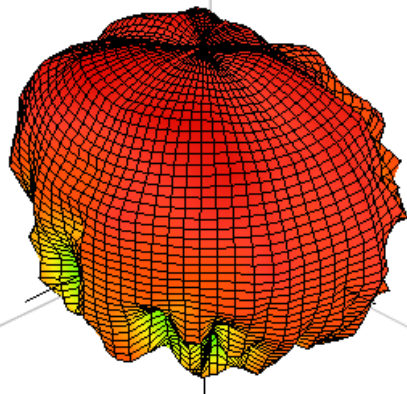
Aux WLAN 5150MHz

A 3D surface plot showing the signal strength of an auxiliary WLAN at 5150MHz. The plot is a mesh surface with a color gradient from green to red. The signal is concentrated in the center and spreads outwards, with a slight dip in the middle.

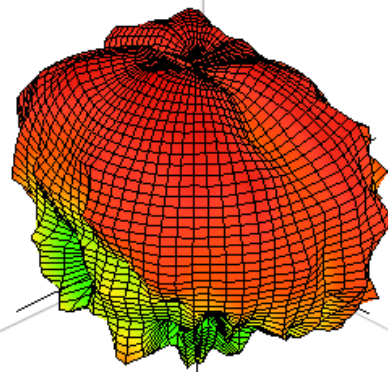


Aux WLAN 5250MHz

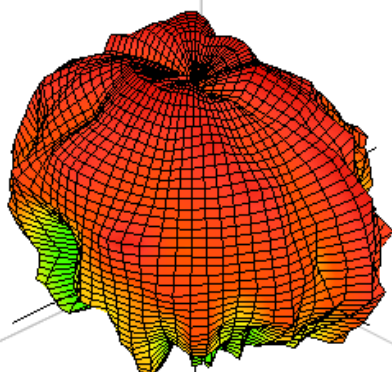
A 3D surface plot showing the signal strength of an auxiliary WLAN at 5250MHz. The plot is a mesh surface with a color gradient from green to red. The signal is concentrated in the center and spreads outwards, with a slight dip in the middle.



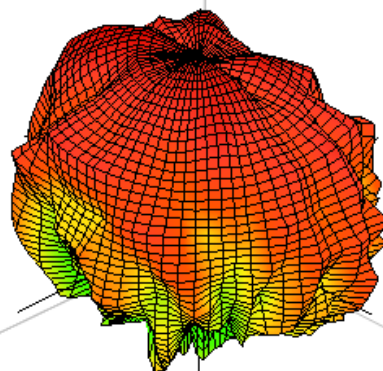
Aux WLAN 5350MHz



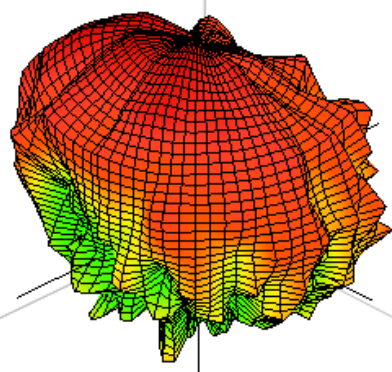
Aux WLAN 5470MHz



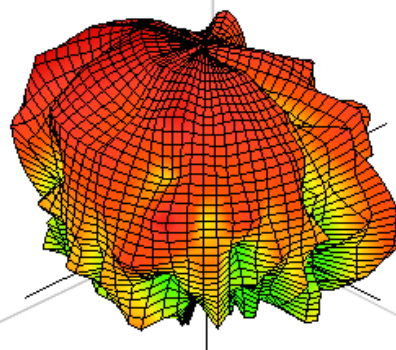
Aux WLAN 5600MHz



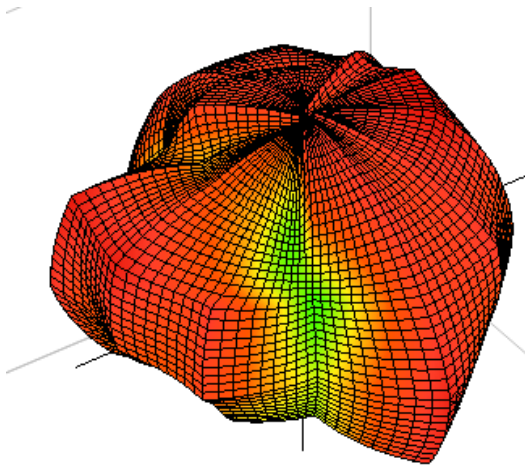
Aux WLAN 5725MHz



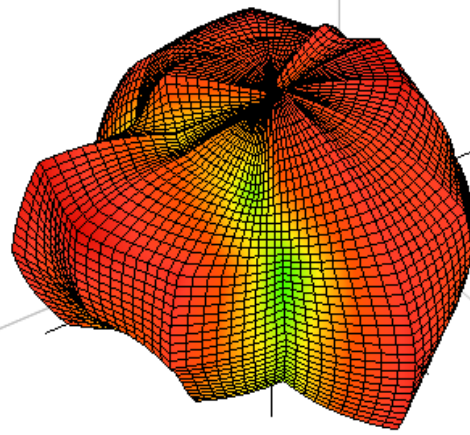
Aux WLAN 5785MHz



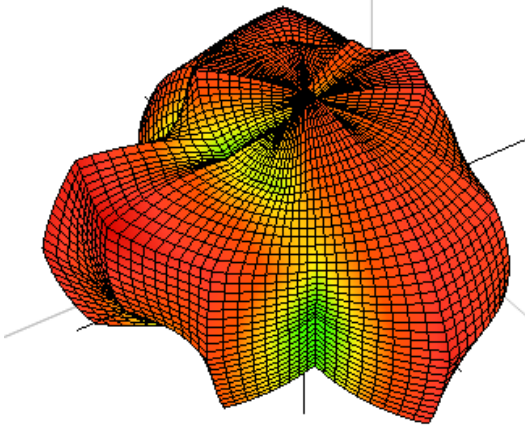
Aux WLAN 5850MHz



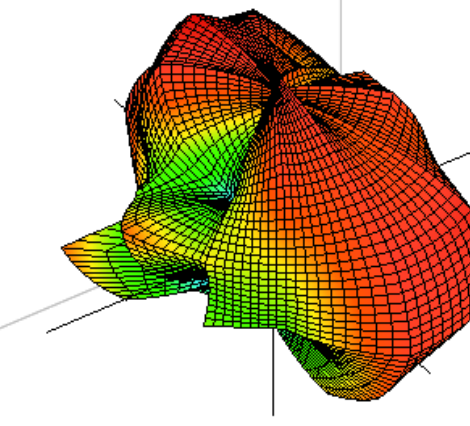
GNSS 1565MHz



GNSS 1575MHz



GNSS 1585MHz



GNSS 1610MHz

4. Antenna Efficiency:

4.1 WLAN Main Antenna Efficiency

Frequency(MHz)	Efficiency(%)	Peak Gain
2400	30.55	2.95
2450	25.96	-0.15
2500	28.24	-1.58
5150	24.49	1.03
5250	26.36	1.21
5350	32.36	1.49
5470	22.49	0.7
5600	32.36	3.32
5725	43.65	3.34
5785	38.64	2.01
5850	64.27	4.88

4.2 WLAN Aux Antenna Efficiency

Frequency(MHz)	Efficiency(%)	Peak Gain
2400	31.26	2.93
2450	28.44	-0.27
2500	28.05	0.48
5150	51.29	3.4
5250	38.73	2.7
5350	46.77	3.27
5470	31.12	1.19
5600	36.31	1.93
5725	45.39	3.55
5785	37.5	3.17
5850	59.98	4.39

4.3 GNSS Antenna Efficiency

Frequency(MHz)	Efficiency(%)	Peak Gain
1565	57.28	1.71
1575	48.42	0.92
1585	41.11	0.45
1600	38.28	0.31
1610	31.92	-0.08

審核：

承辦：