

SPECIFICATION

Product : WLAN EMBEDDED ANTENNA

Descriptions : 2.4~2.5/4.9~5.8GHz+PCB+TISSUE TAPE
+OD1.13 CABLE+IPEX

SPECIFICATION

ELECTICAL PROPERTIES

FREQUENCY RANGE ----- 2.4~2.5/4.9~5.8 GHz

VSWR----- ≤ 2.0

IMPEDANCE----- 50Ω

GAIN----- 2dBi

PHYSICAL PROPERTIES

WIRE----- OD1.13 CABLE BLACK

CABLE LENGTH----- 350mm

CONNECTOR----- IPEX

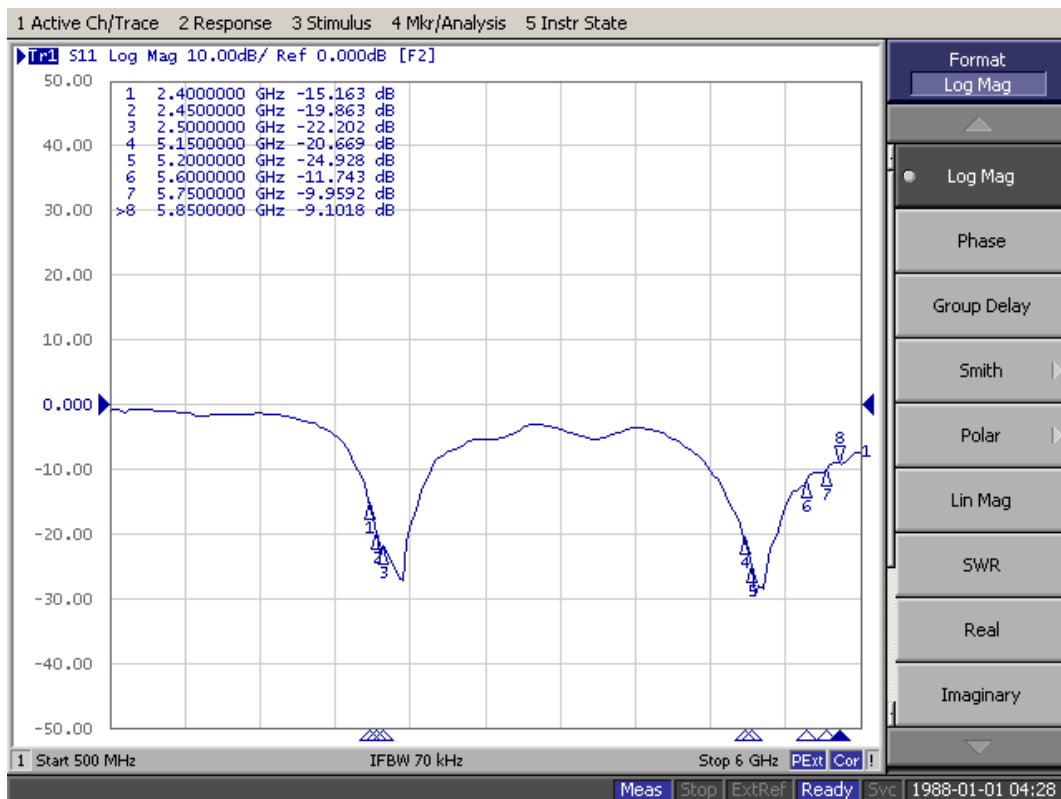
PCB----- FR4

TISSUE TAPE----- 3M9448A

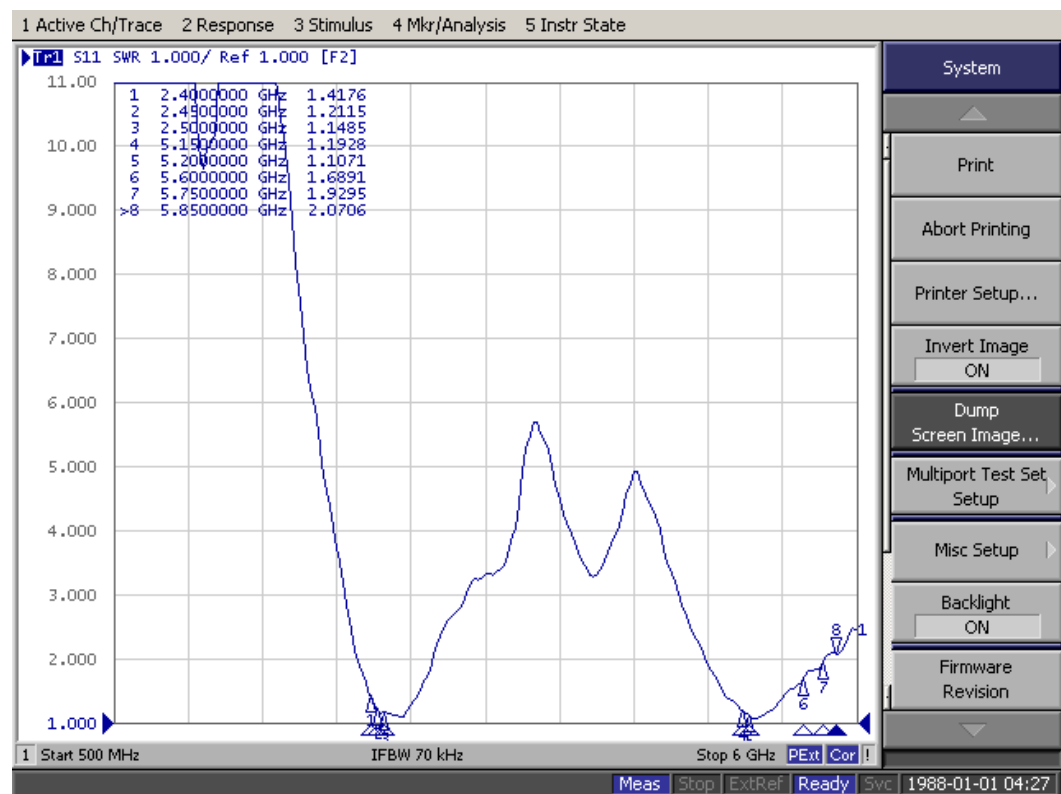
OPRERATING TEMPERATURE----- $-40^{\circ}\text{C} \sim +80^{\circ}\text{C}$

STORAGE TEMPERATURE----- $-45^{\circ}\text{C} \sim +85^{\circ}\text{C}$

RETURN LOSS



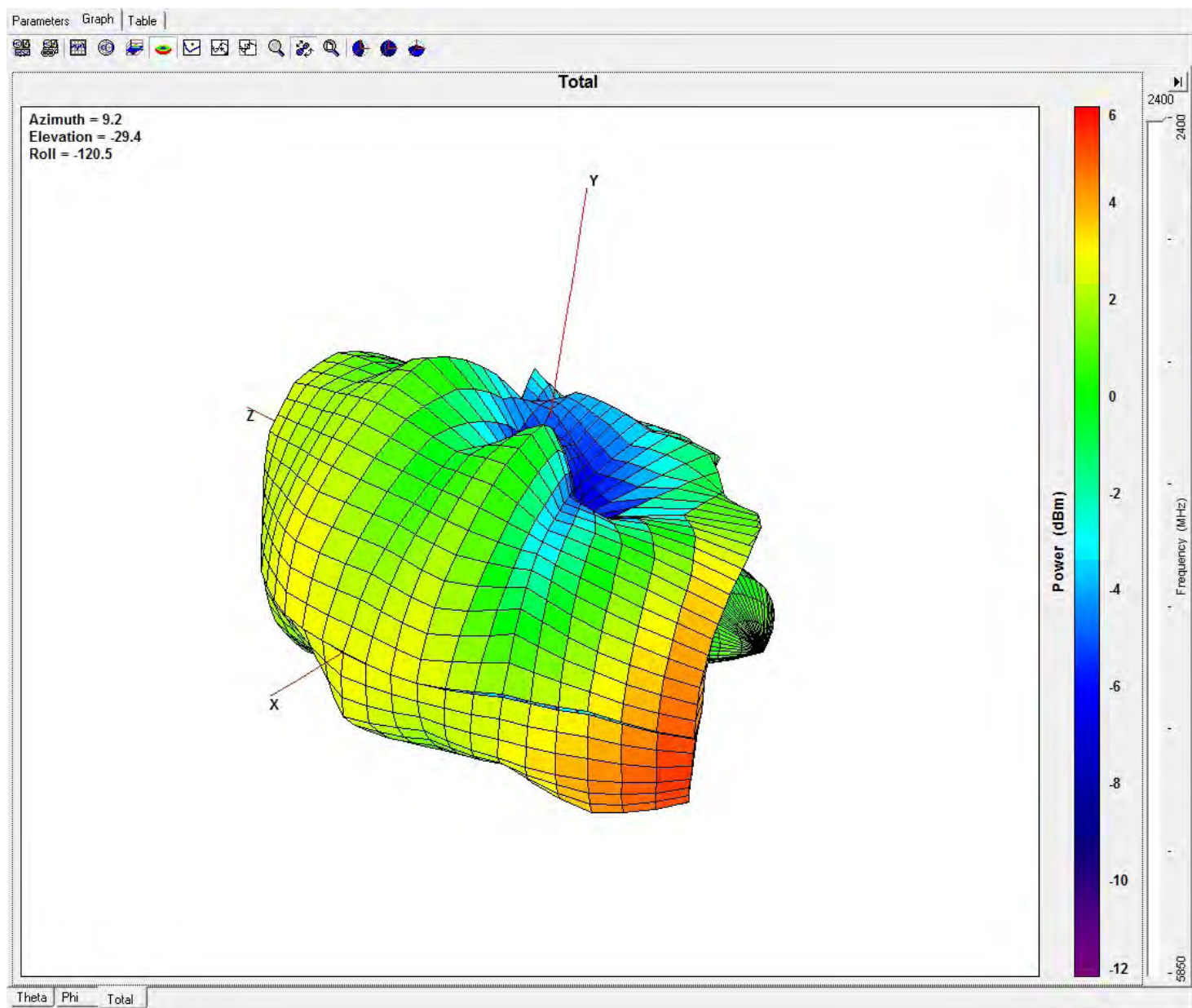
VSWR



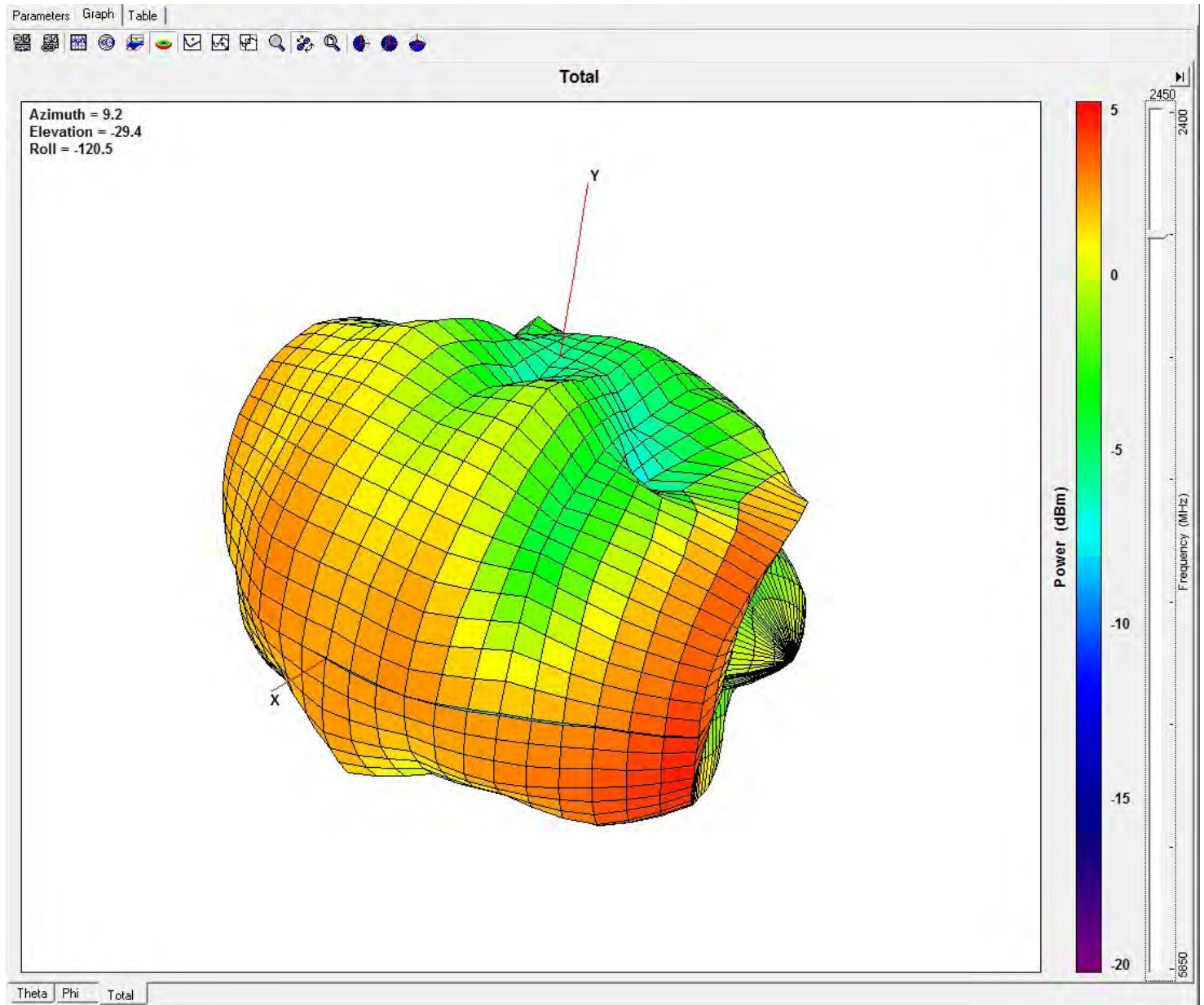
Chamber

Test Date	2014/5/8							
Trade Name								
App.No								
Model Name								
Test Mode Free Space & Talking Position								
Communication System								
Channel	2400	2450	2500	5150	5450	5600	5765	5850
Note	EM60							
Ant. Port Input Pwr. (dBm)	0	0	0	0	0	0	0	0
Tot. Rad. Pwr. (dBm)	-0.846971	-0.848276	-1.35952	-2.07574	-1.70826	-2.24809	-3.29951	-2.7604
Peak EIRP (dBm)	5.17177	5.43572	4.6558	4.07792	5.0022	4.22291	3.6244	4.28599
Directivity (dBi)	6.01874	6.28399	6.01531	6.15367	6.71046	6.471	6.92391	7.04639
Efficiency (dB)	-0.846971	-0.848276	-1.35952	-2.07574	-1.70826	-2.24809	-3.29951	-2.7604
Efficiency (%)	82.2816	82.2569	73.1221	62.0049	67.4798	59.5924	46.7788	52.9614

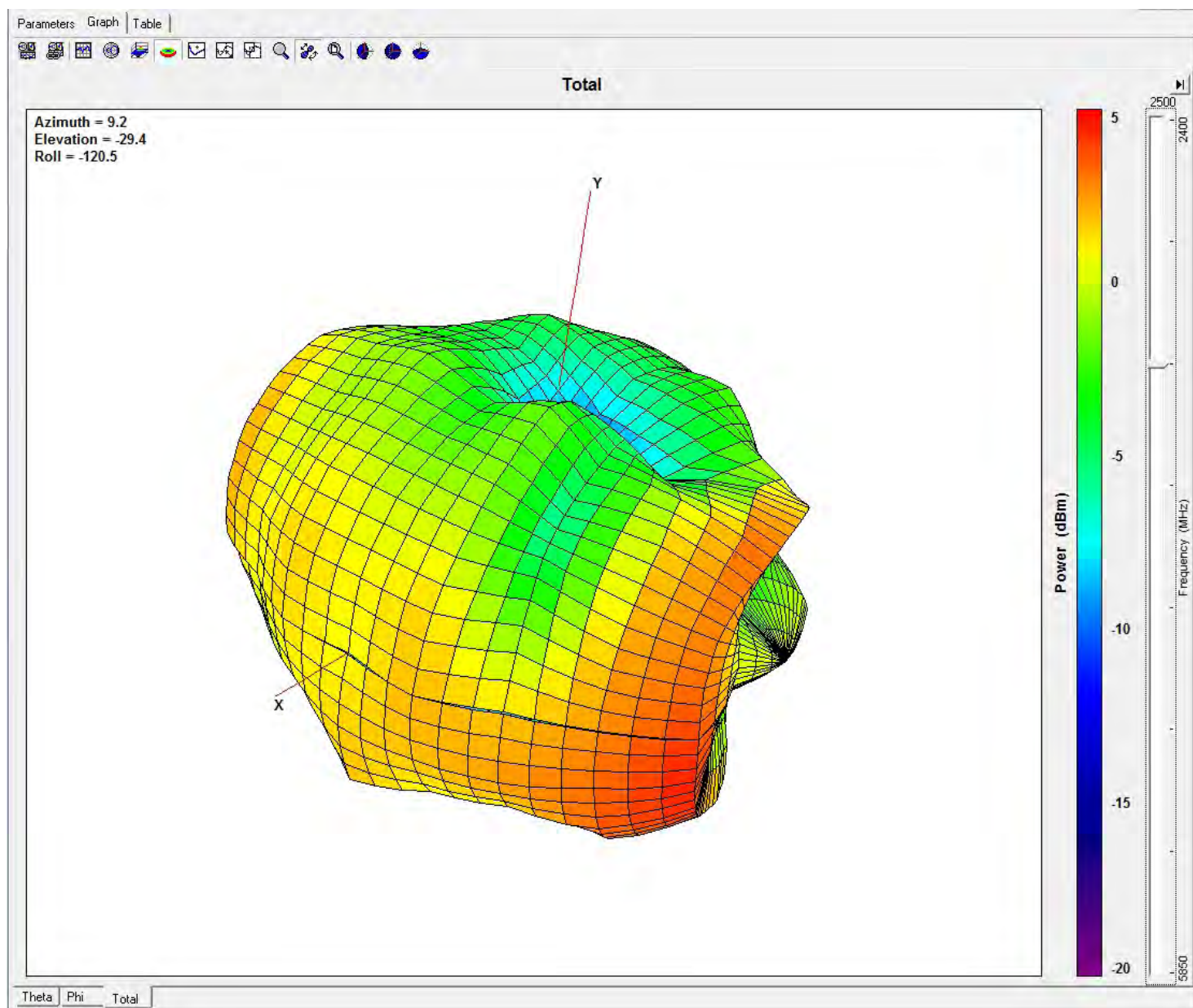
Center freq.(MHz): : 2400



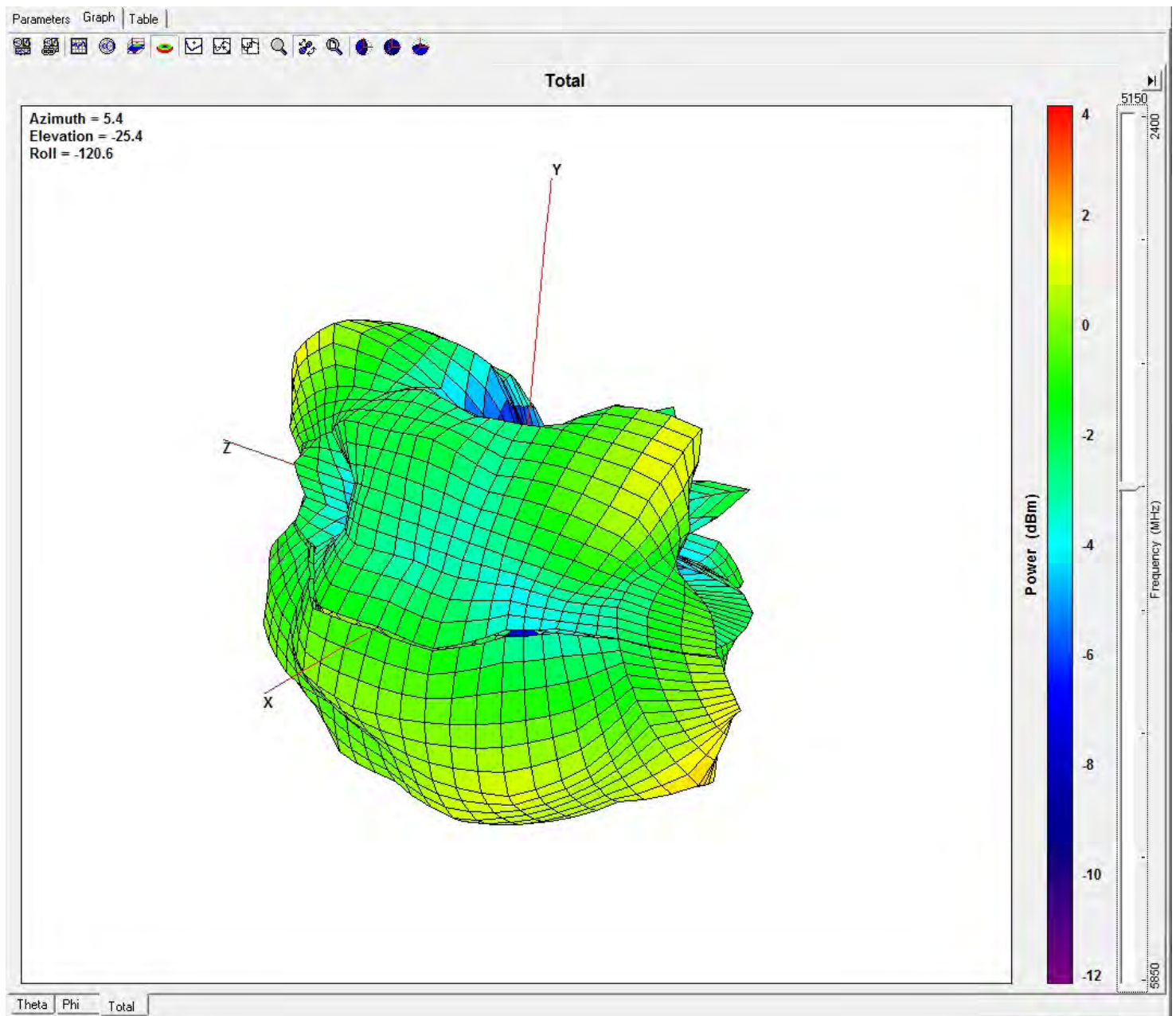
Center freq.(MHz): : 2450



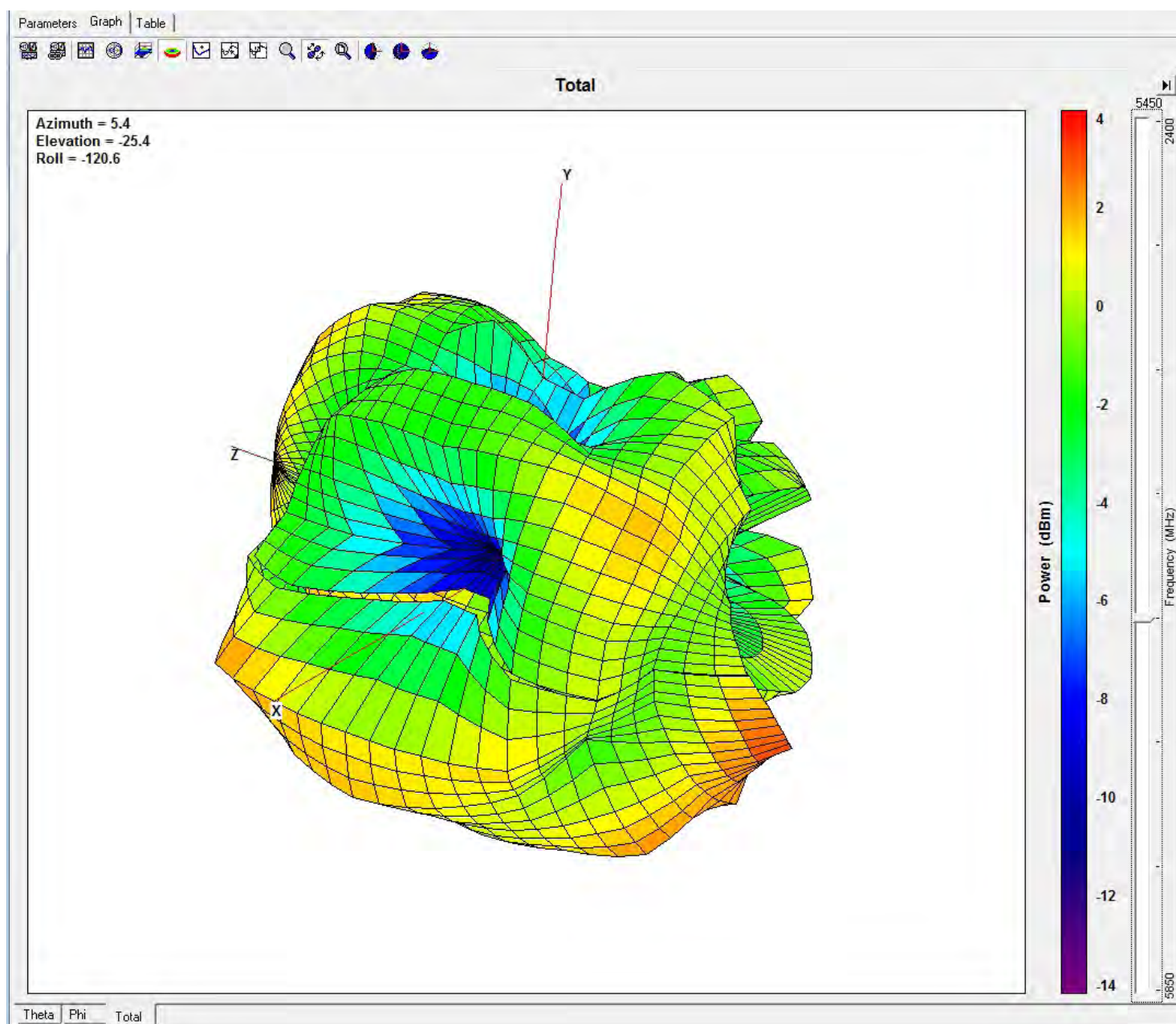
Center freq.(MHz): : 2500



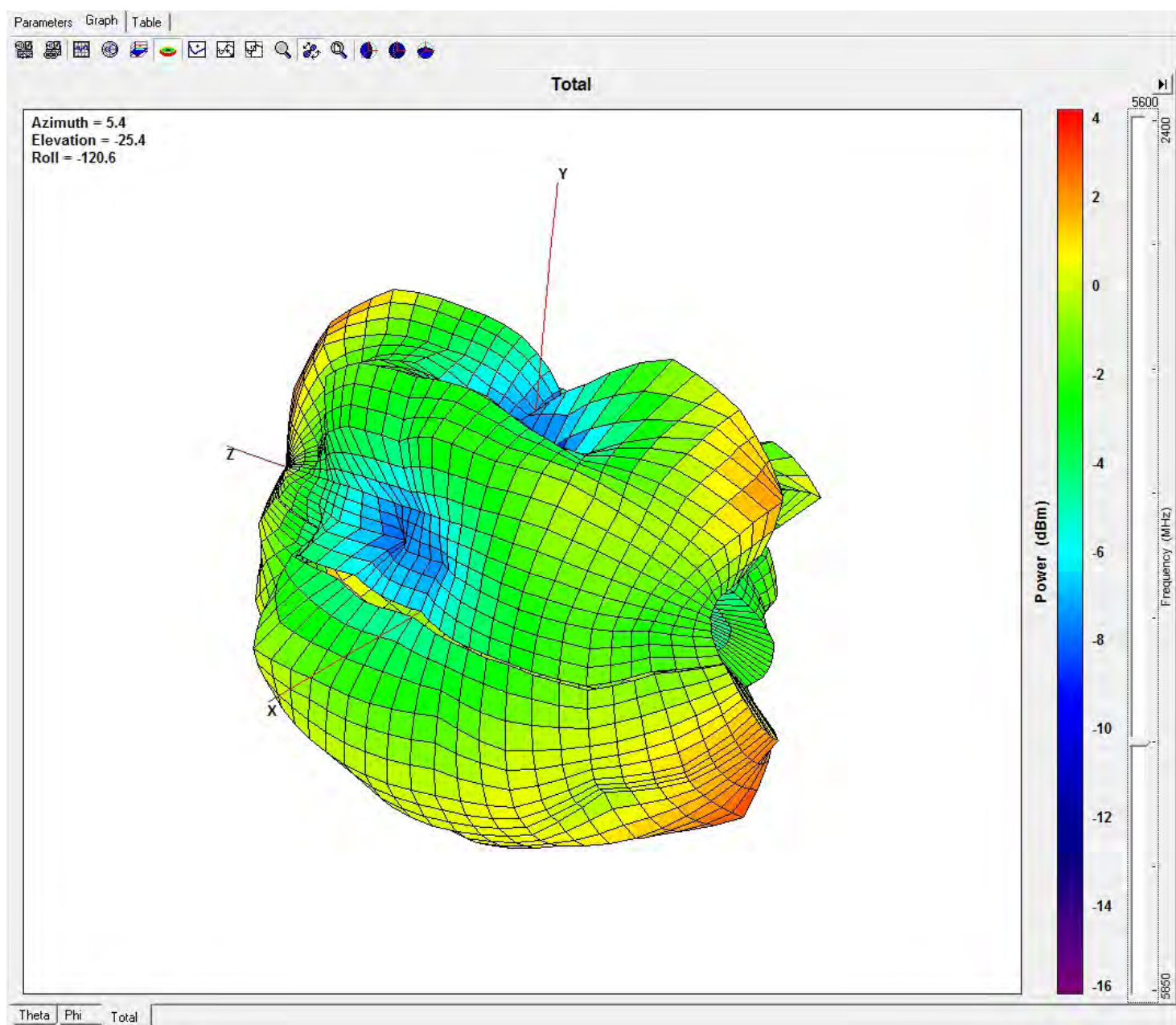
Center freq.(MHz): : 5150



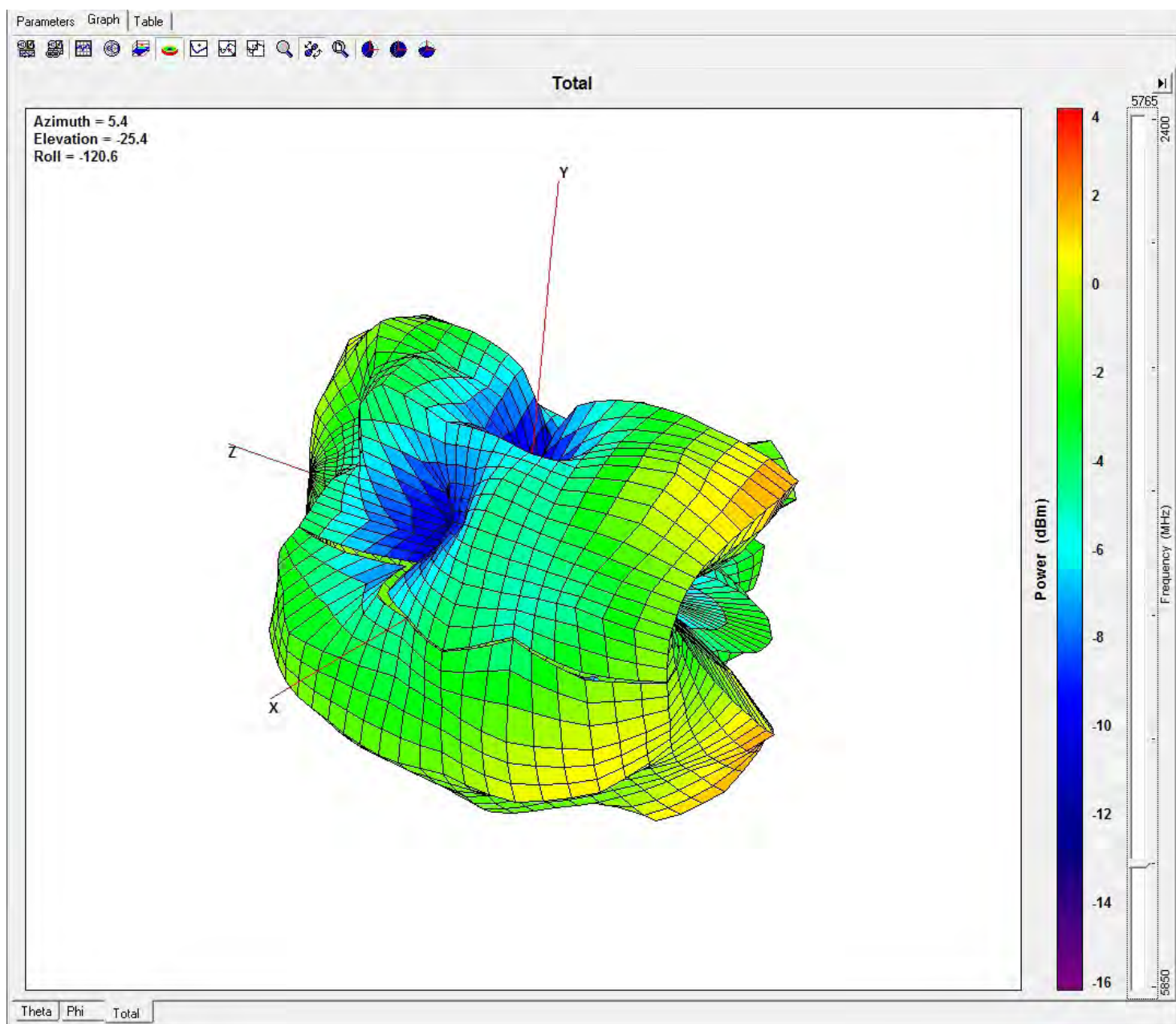
Center freq.(MHz): : 5450



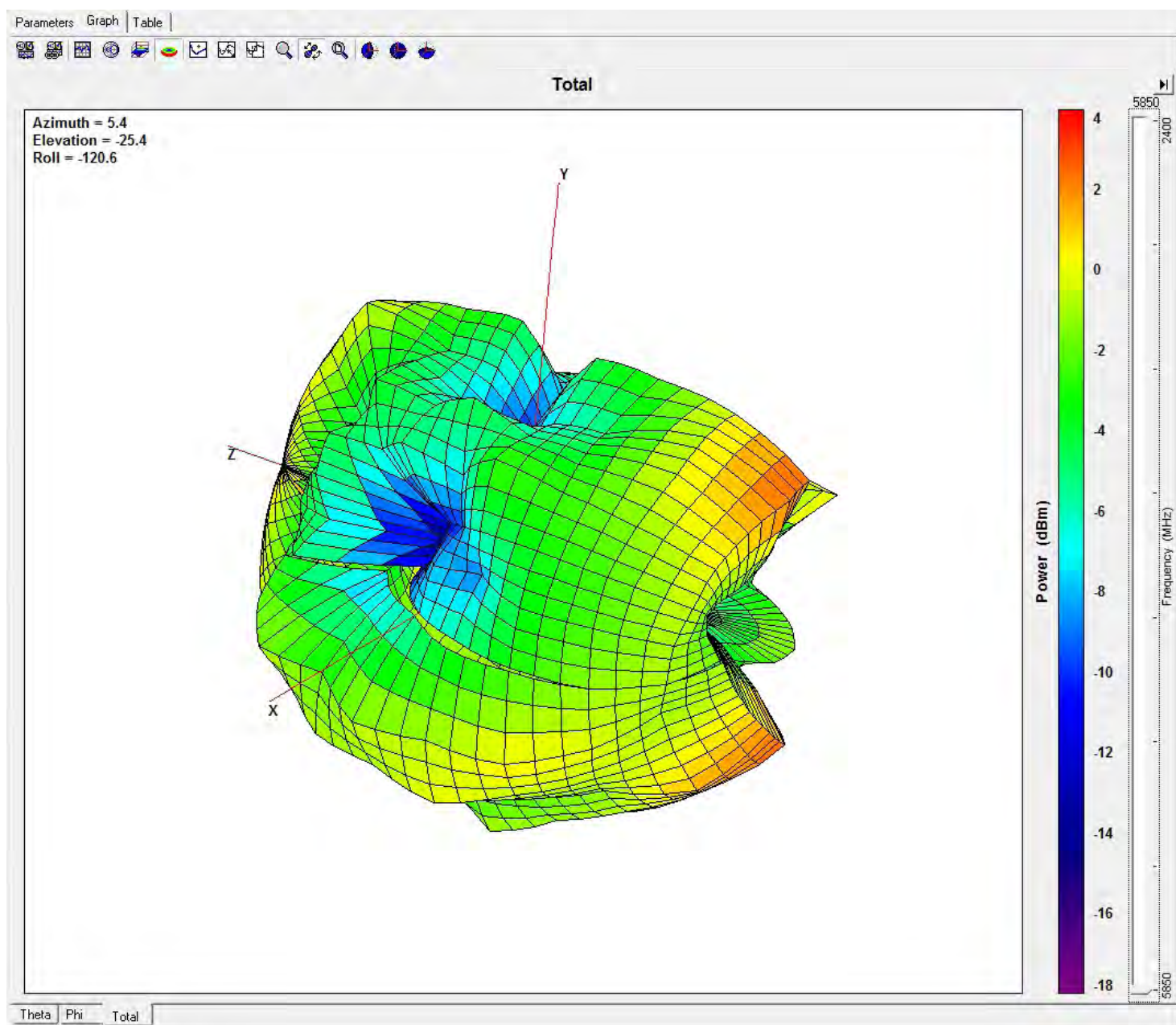
Center freq.(MHz): : 5600



Center freq.(MHz): : 5765



Center freq.(MHz): : 5850



1

2

3

4

5

A

B

C

D

E

F

REV

DESCRIPTION

LOCATION

DRAWN

DATE

△

New drawing

ALGER

2020/7/2

1

2

3

4

5

6

7.35

42,2

3

350±3mm

Al ver.

BRITO TECH.

1

2

3

4

5

6

1.09

6	N/A	熱熔膠	熱熔膠	N/A	1PCS	N/A
5	N/A	TISSUE TAPE	離型紙	CPN-TT-1607-0078-B	1PCS	N/A
4	N/A	TISSUE TAPE	3M 9448A(42*7.3*0.15T)	CPN-TT-1607-0078-B	1PCS	N/A
3	N/A	CONNECTOR	IPEX FOR Ø1.13mm	CPN-CA-2007-0814-A	1PCS	N/A
2	N/A	CABLE	Ø1.13mm CABLE;BLACK	CPN-CA-2007-0814-A	1PCS	N/A
1	EM60-PCB	PCB	FR-4	CPN-PCB-1508-0016-B	1PCS	N/A
ITEM	PART NO.	PART NAME	MATERIAL	DWG NO.	QT'Y	REMARKS

RANGE	TOLERANCE	BRITO 昀陽科技有限公司			MODEL NAME	
X.xx	± 0.10				WLAN ANTENNA	
X.x	± 0.15				TITLE:	
X	± 0.25	MATERIAL: See TABLE	DRAWN: ALGER	DATE: 2020/7/2	WLAN EMBEDDED ANTENNA	
		FINISH: WLAN ANTENNA	DESIGN: JOHN	DATE: 2020/7/2	SIZE: A3	PART NO. DB1EM60-I0350-S
THE 3RD PROJECTION		UNIT: mm	APPROVED: BRUCE	DATE: 2020/7/2	SCALE : N/A	
					SHEET 1 OF 1	
					DWG NO. WLA-EM-2007-0150-A	
					REV.	A

MP-CAD-V02170323