

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

CONNECTOR----- IPEX

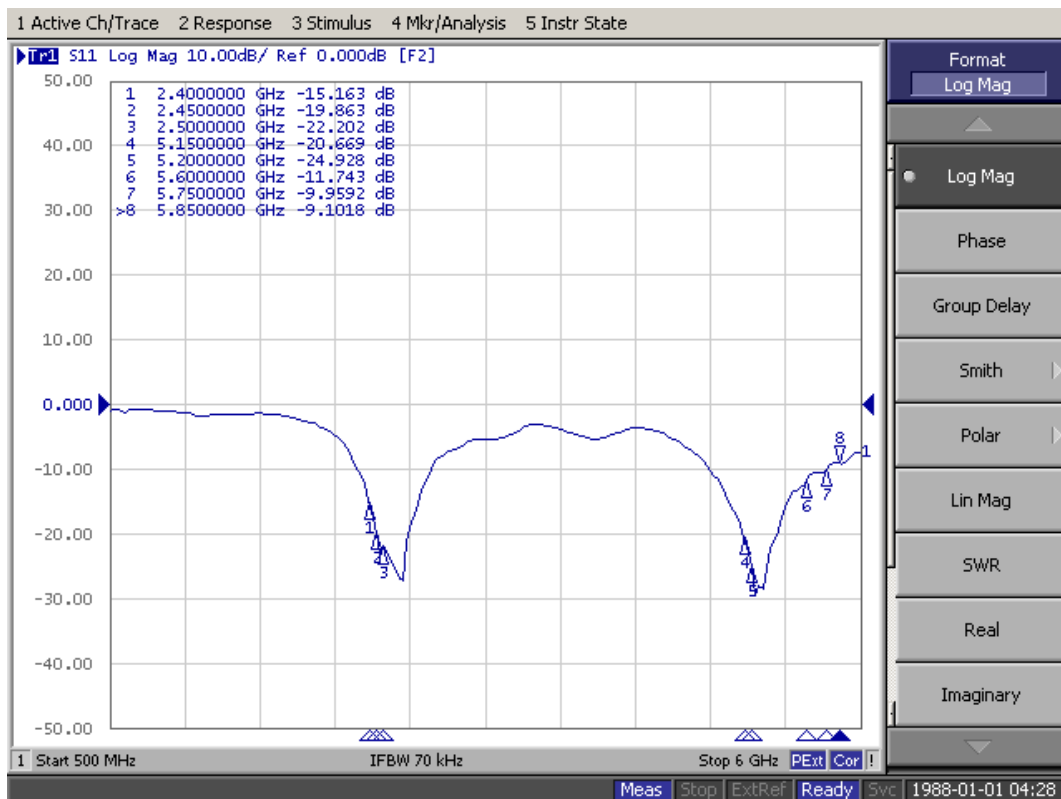
PCB----- FR4

TISSUE TAPE----- 3M9448A

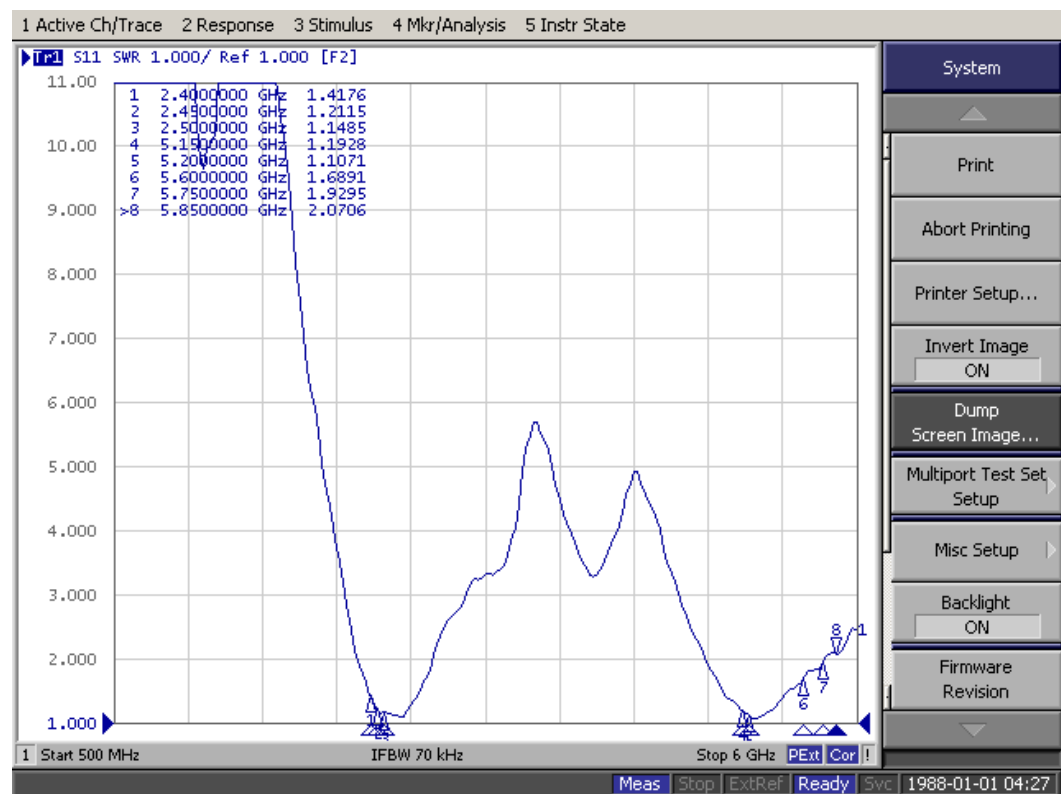
ORERATING TEMPERATURE----- $-40^{\circ}\text{C} \sim +80^{\circ}\text{C}$

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

RETURN LOSS



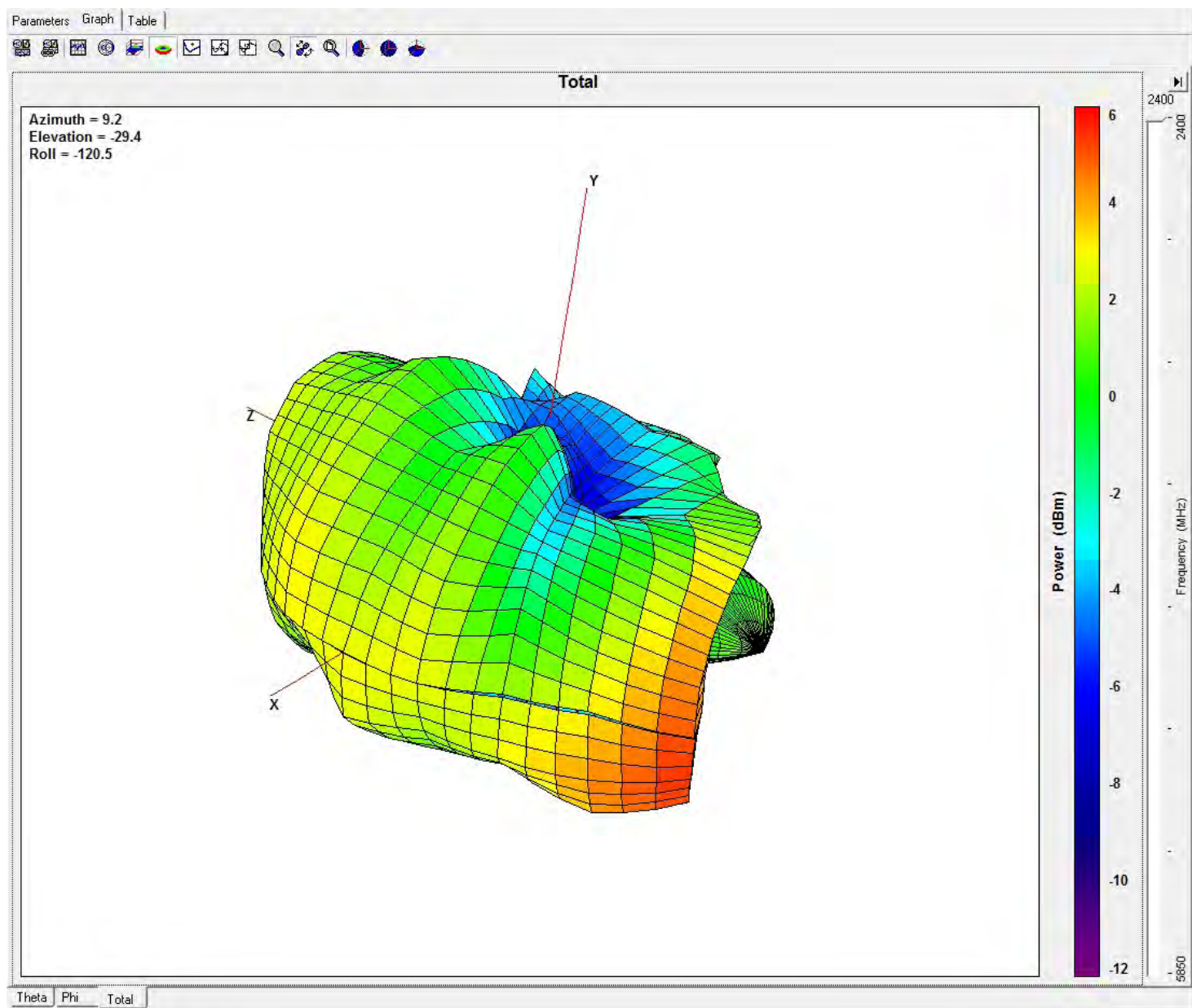
VSWR



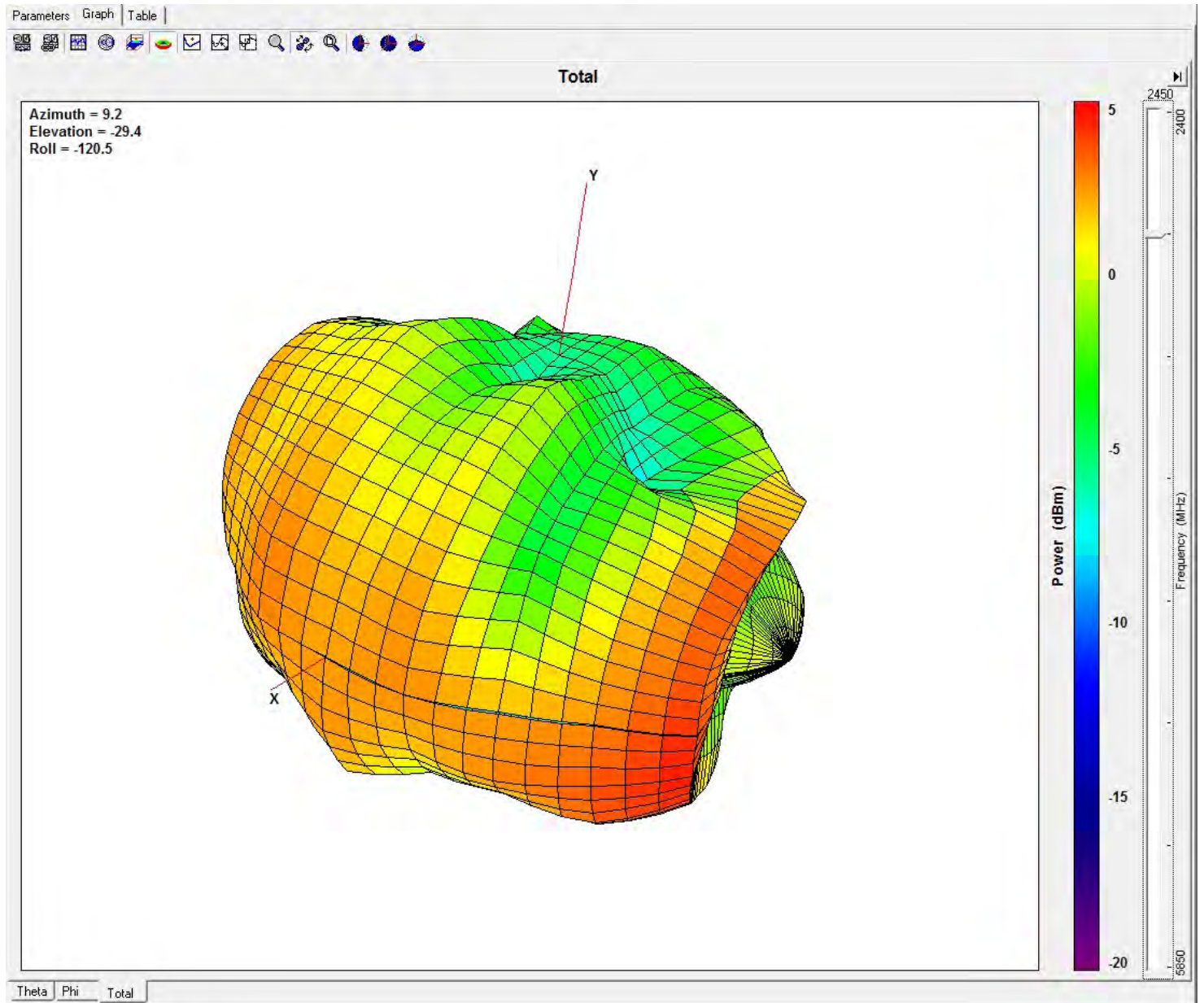
Chamber

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

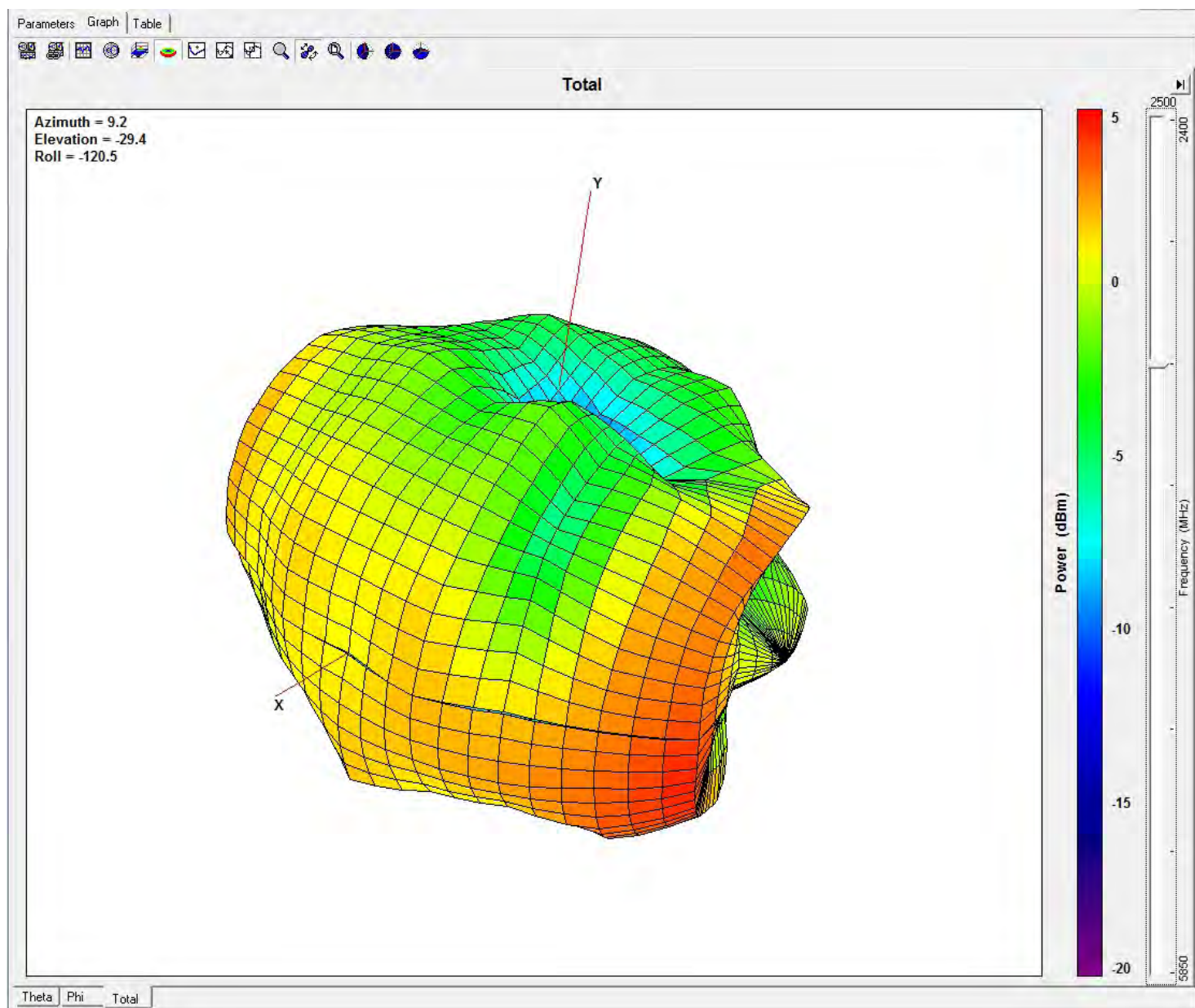
Center freq.(MHz): : 2400



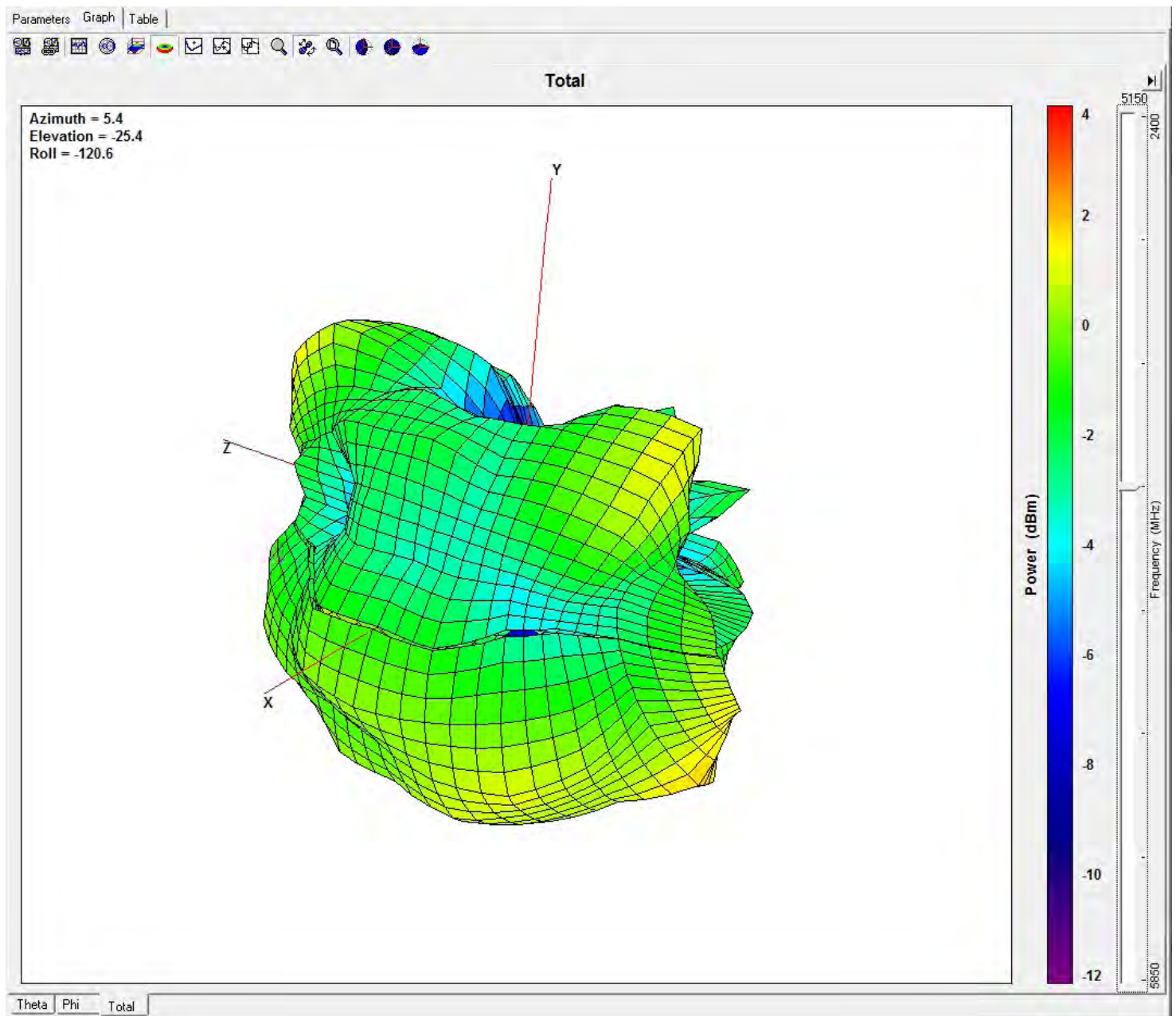
Center freq.(MHz): : 2450



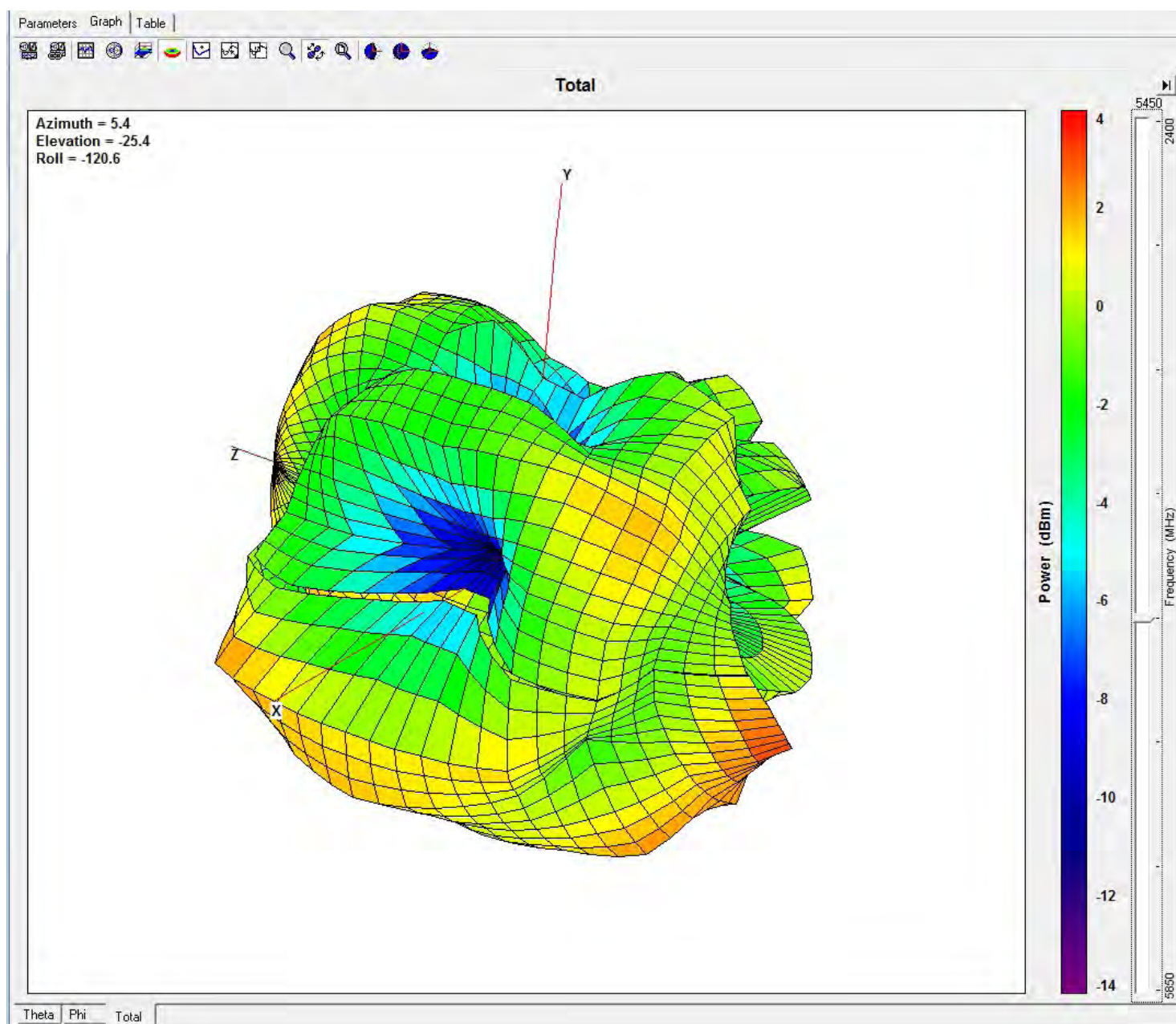
Center freq.(MHz): : 2500



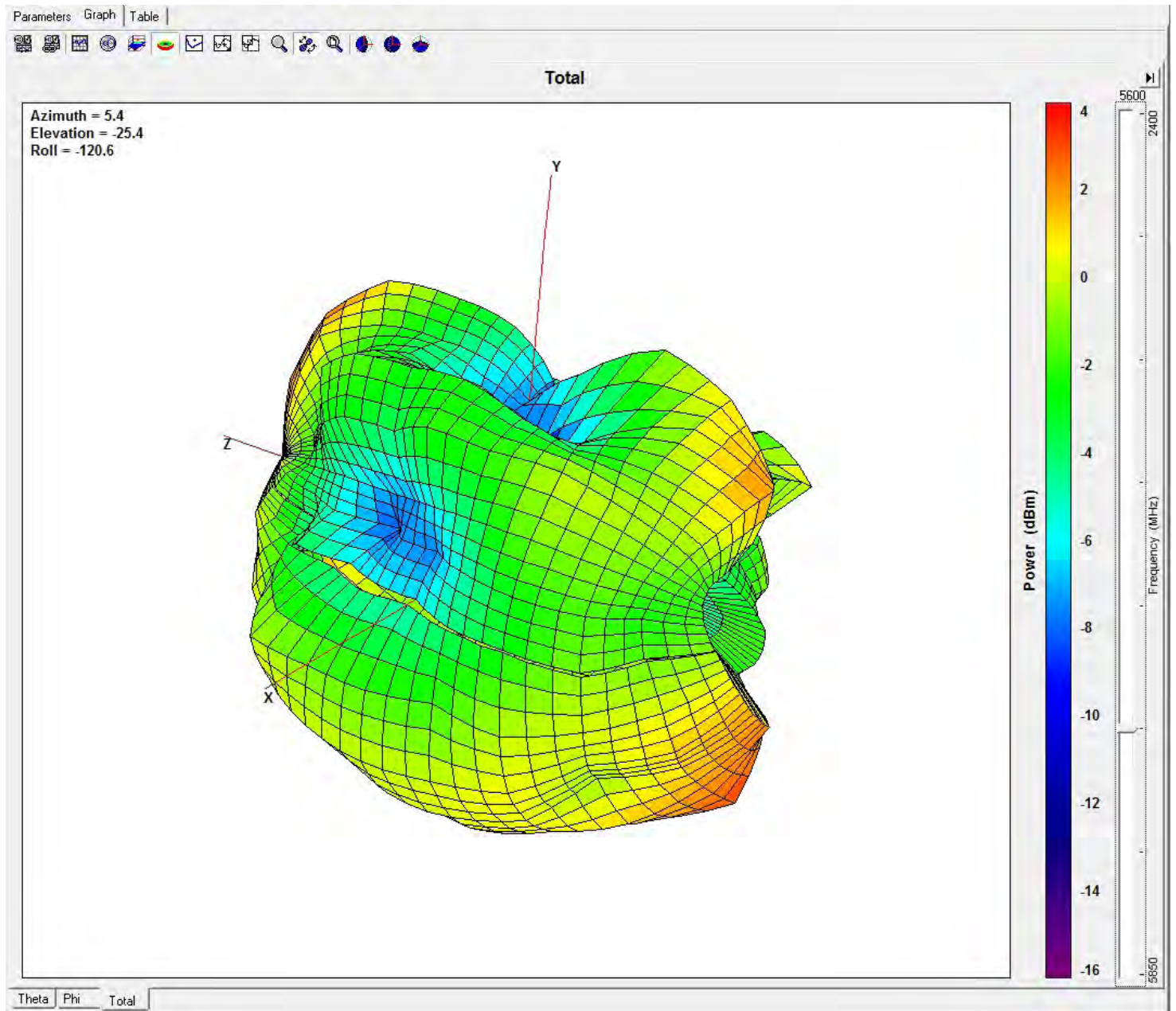
Center freq.(MHz): : 5150



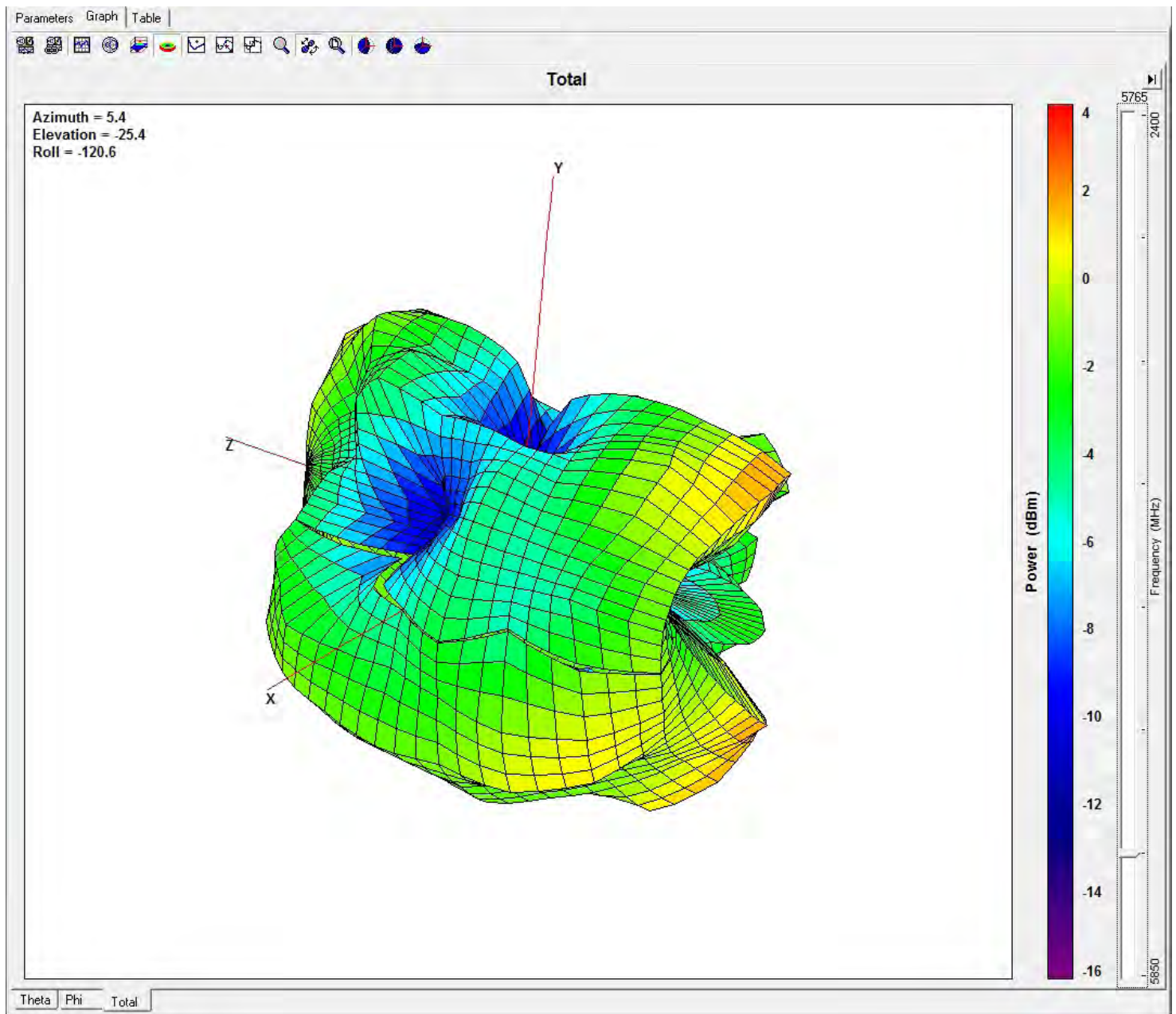
Center freq.(MHz): : 5450



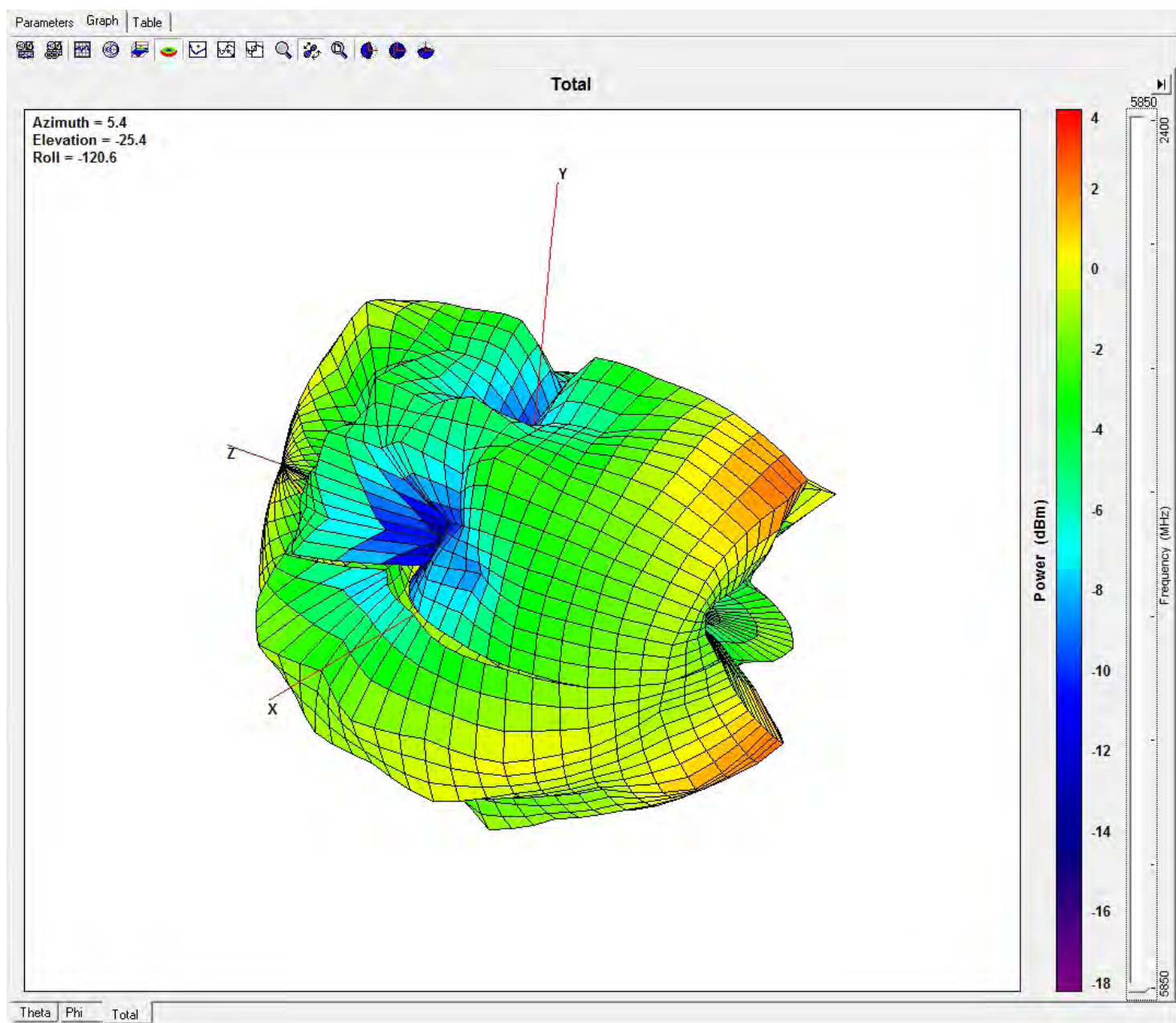
Center freq.(MHz): : 5600



Center freq.(MHz): : 5765



Center freq.(MHz): : 5850



A

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B

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C

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D

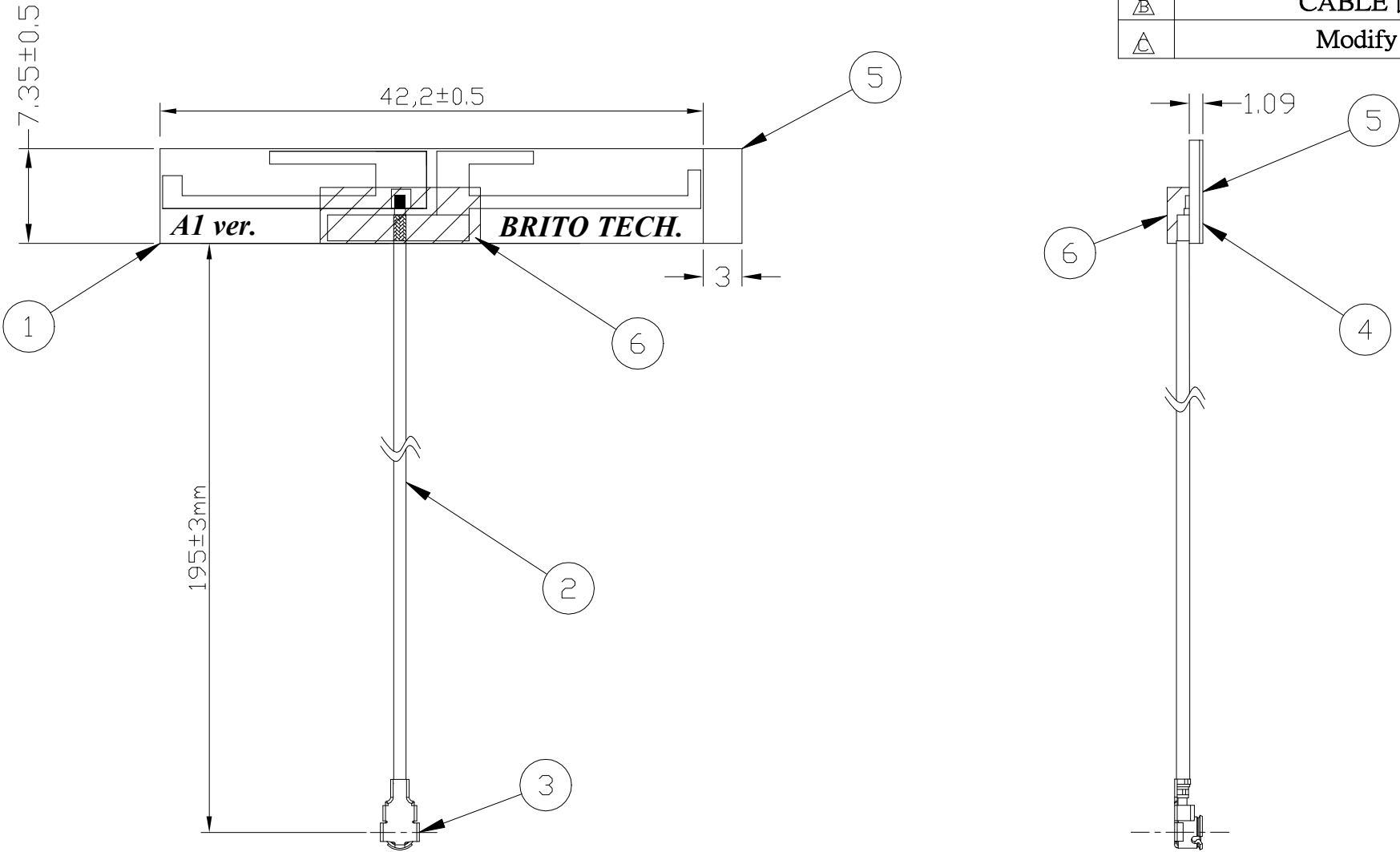
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E

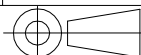
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F

R E V I S I O N S				
REV	DESCRIPTION	LOCATION	DRAWN	DATE
△	圖面新增		ALGER	2016/8/2
△	CABLE 圖號更新		ALGER	2016/8/9
△	Modify drawing		WEBER	2022/3/17



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-1608-0077-C △	1PCS	N/A
2	N/A	CABLE	Ø1.13mm CABLE;BLACK	CPN-CA-1608-0077-C △	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	MATERIAL: See TABLE	DRAWN: WEBER	DATE: 2022/3/17	TITLE: WLAN EMBEDDED ANTENNA			
X	± 0.25	FINISH: WLAN ANTENNA	DESIGN: JOHN	DATE: 2022/3/17	SIZE: A3	PART NO. DB1EM60-I0195-S		
 THE 3RD PROJECTION		UNIT: mm	APPROVED: BRUCE	DATE: 2022/3/17	SCALE : N/A		SHEET 1 OF 1	
					DWG NO. WLA-EM-2203-0052-C		REV.	C