

SPECIFICATION

Product: WLAN EMBEDDED ANTENNA

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

BRITO Technology Co., Ltd
7F., No. 105, Xicheng Rd., Banqiao Dist., New Taipei City 220, Taiwan (R.O.C.)

SPECIFICATION

ELECTICAL PROPERTIES

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

VSWR..... ≤ 2.0

IMPEDANCE.....50 Ω

GAIN.....2dBi

PHYSICAL PROPERTIES

WIRE.....OD1.13 CABLE BLACK

CABLE LENGTH.....200mm

CONNECTOR.....IPEX

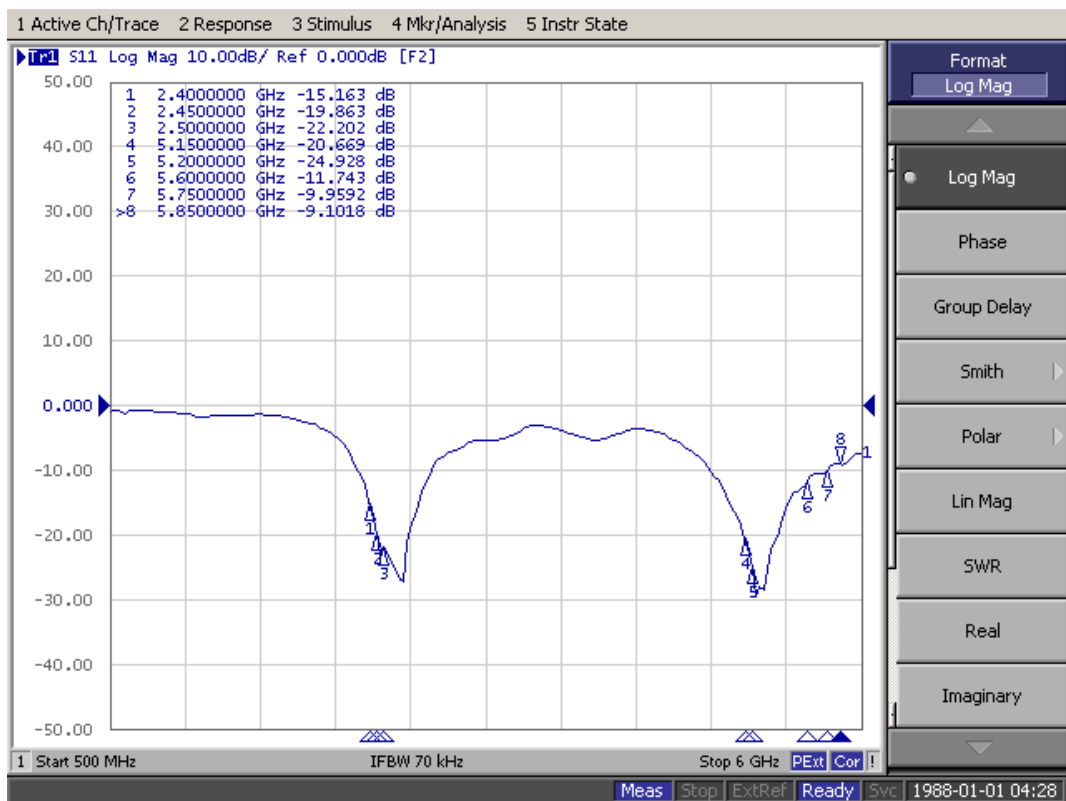
PCB.....FR4

TISSUE TAPE.....3M9448A

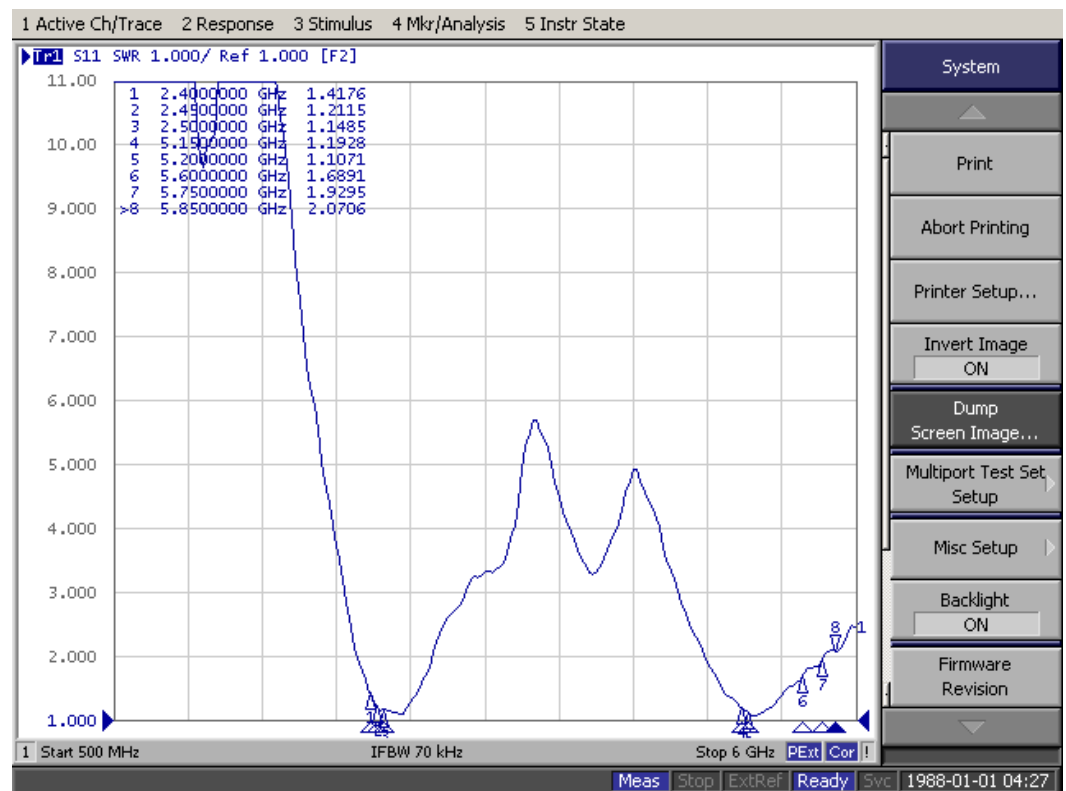
OPRERATING TEMPERATURE.....-40°C~+80°C

STORAGE TEMPERATURE.....-45°C~+85°C

RETURN LOSS



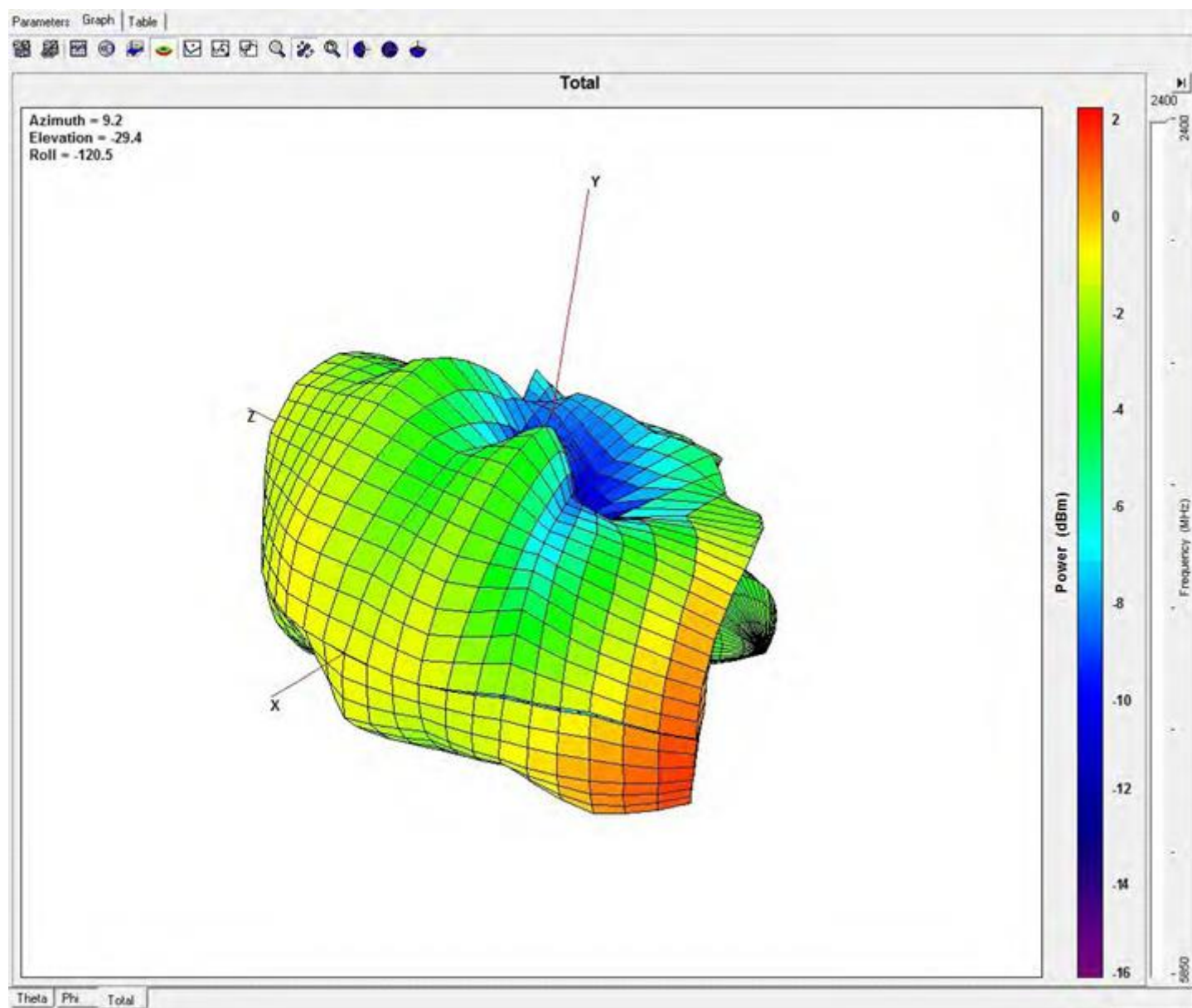
VSWR



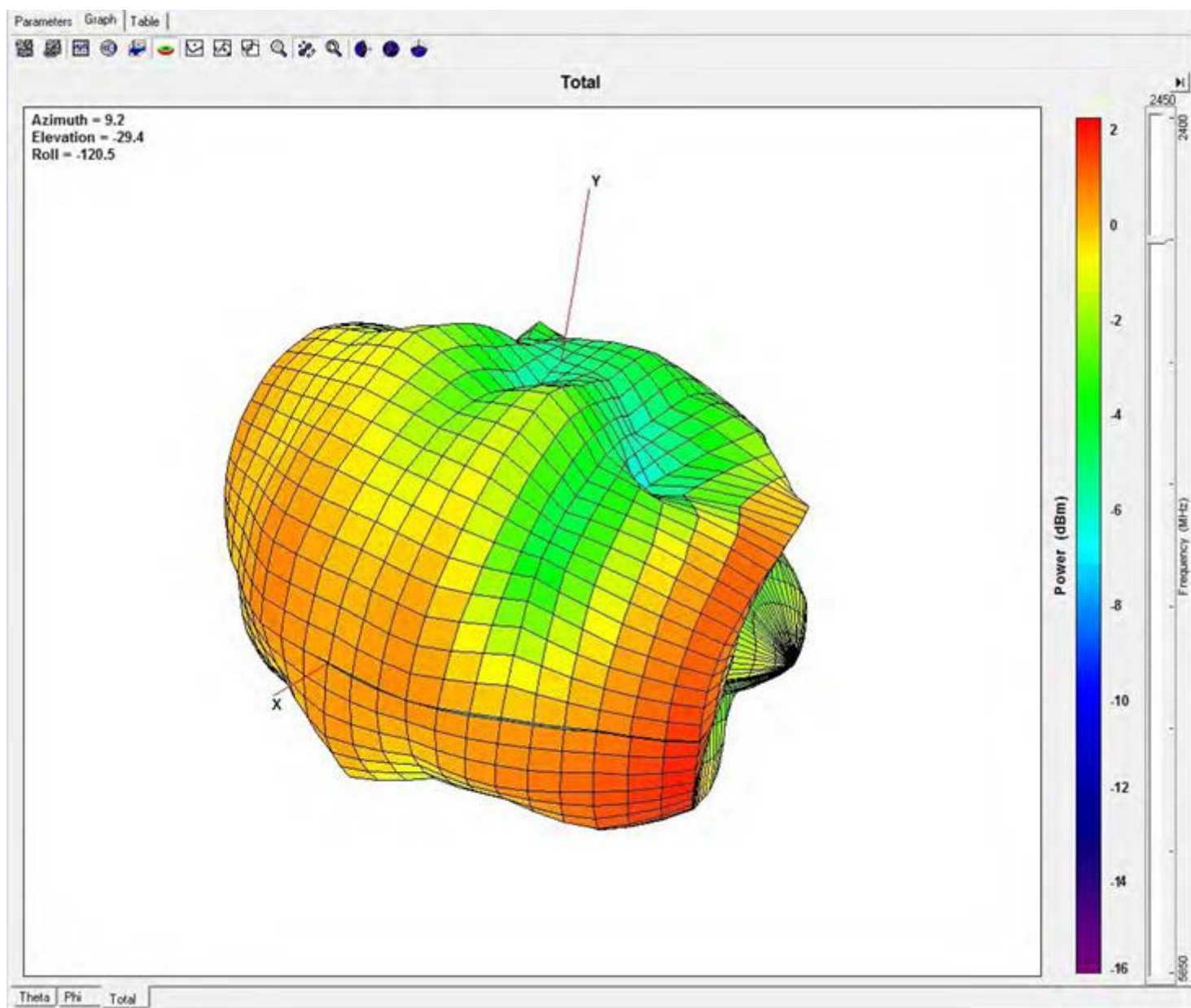
Chamber

Test Date	2014/5/8							
Trade Name								
App. No								
Model Name								
Test Model 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	-1.359520	-2.075740	-1.708260	-2.248090	-3.299510	-2.760400
Peak EIRP (dBm)	5.17177	5.43572	4.65580	4.07792	5.00220	4.22291	3.62440	4.28599
Directivity(dBi)	6.01874	6.28399	6.01531	6.15367	6.71046	6.47100	6.92391	7.04639
Efficiency (dB)	-0.846971	-0.848276	-1.359520	-2.075740	-1.708260	-2.248090	-3.299510	-2.760400
Efficiency (%)	82.28160	82.25690	73.12210	62.00490	67.47980	59.59240	46.77880	52.96140
Peak Gain(dBi)	1.985	2.000	1.814	1.558	1.447	1.746	1.922	1.664

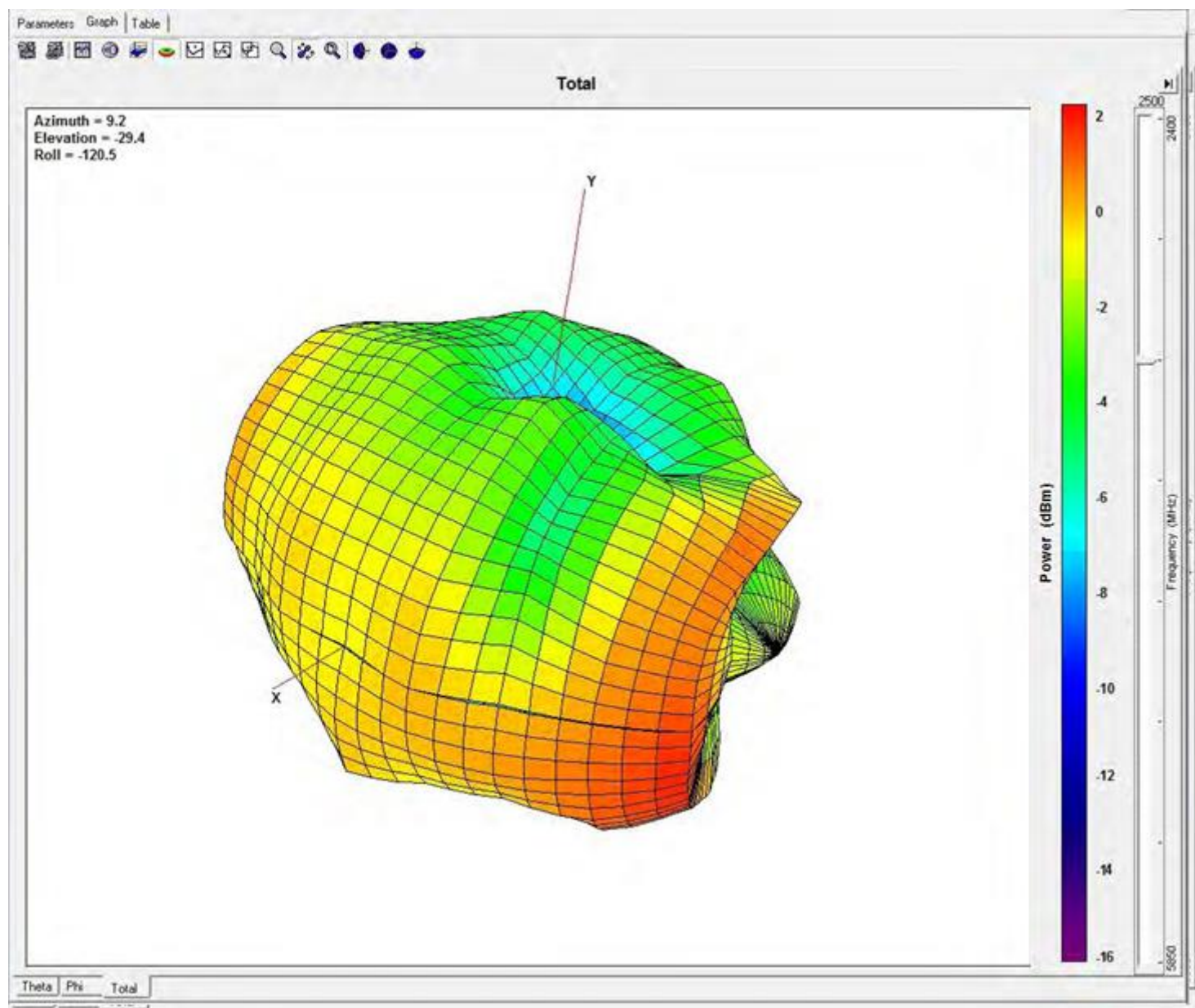
Center freq.(MHz):: 2400



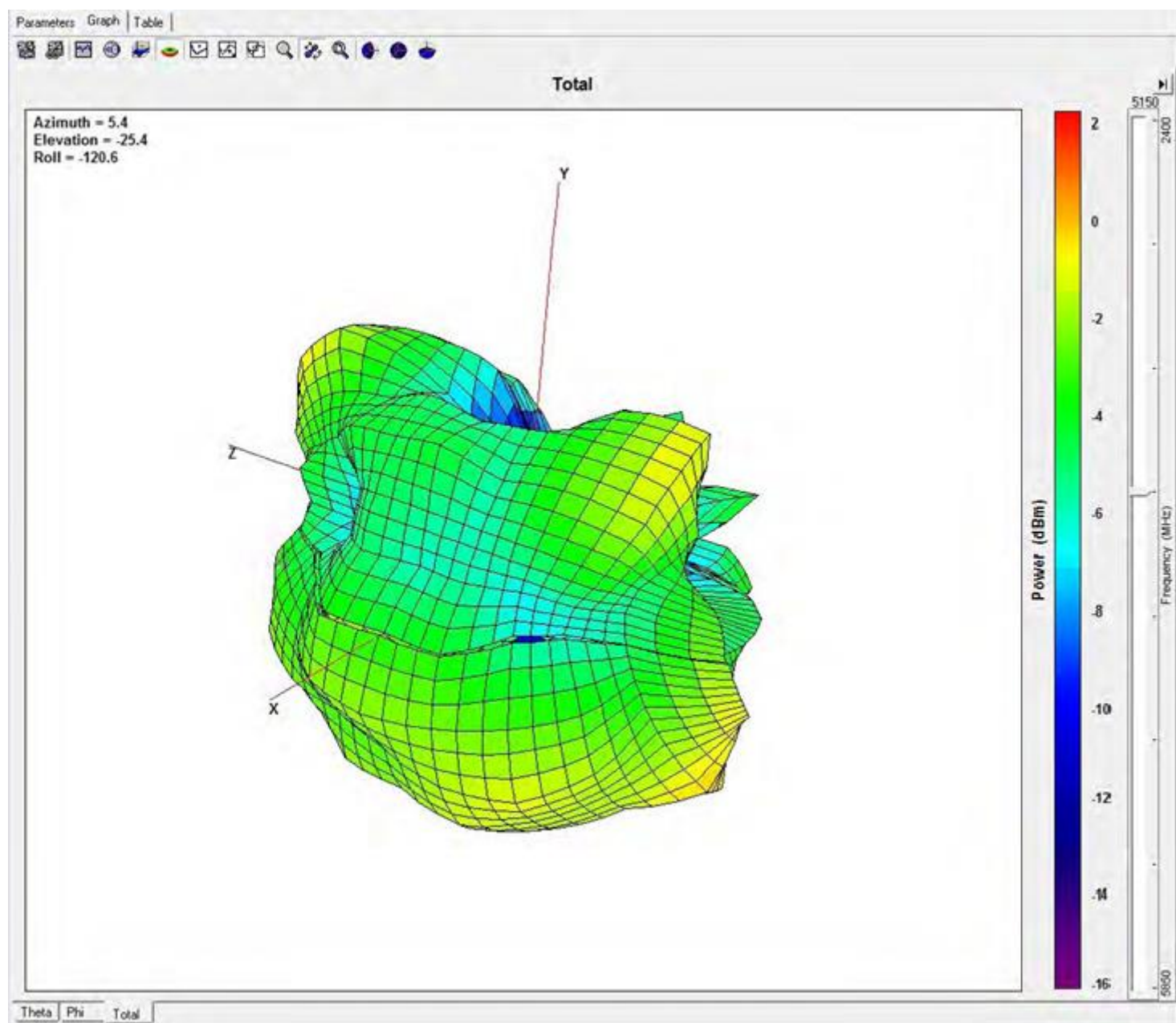
Center freq.(MHz):: 2450



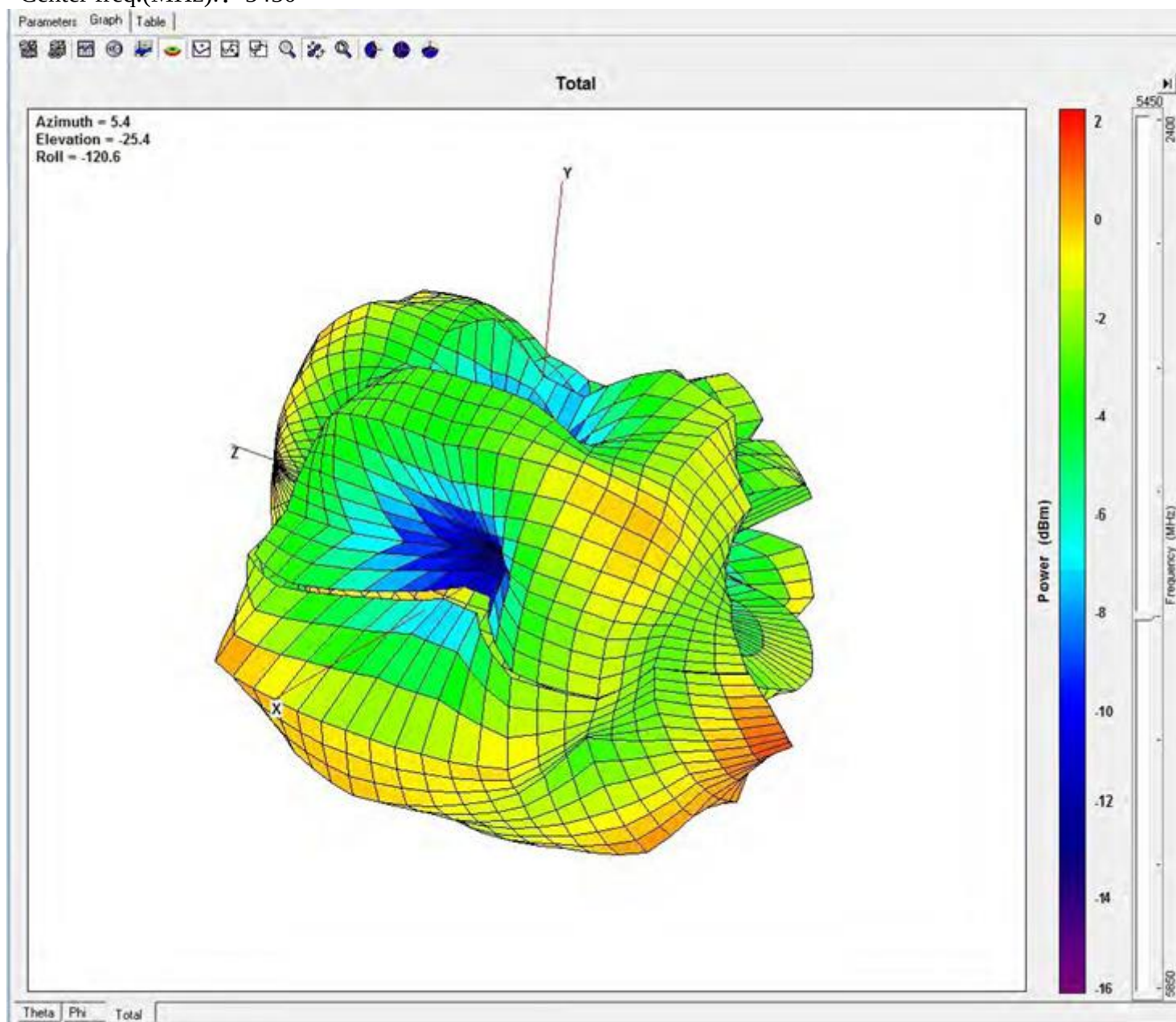
Center freq.(MHz):: 2500



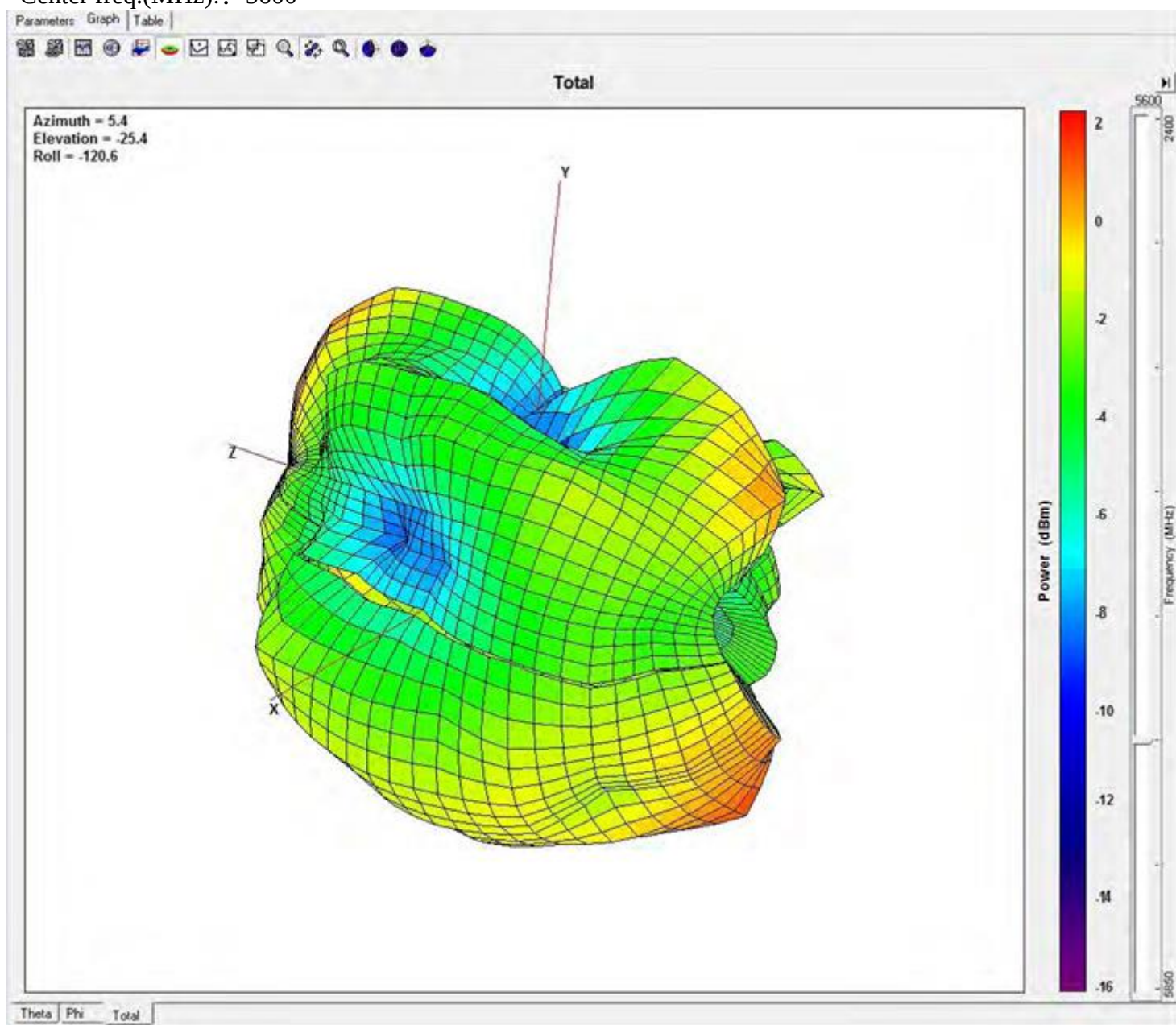
Center freq.(MHz):: 5150



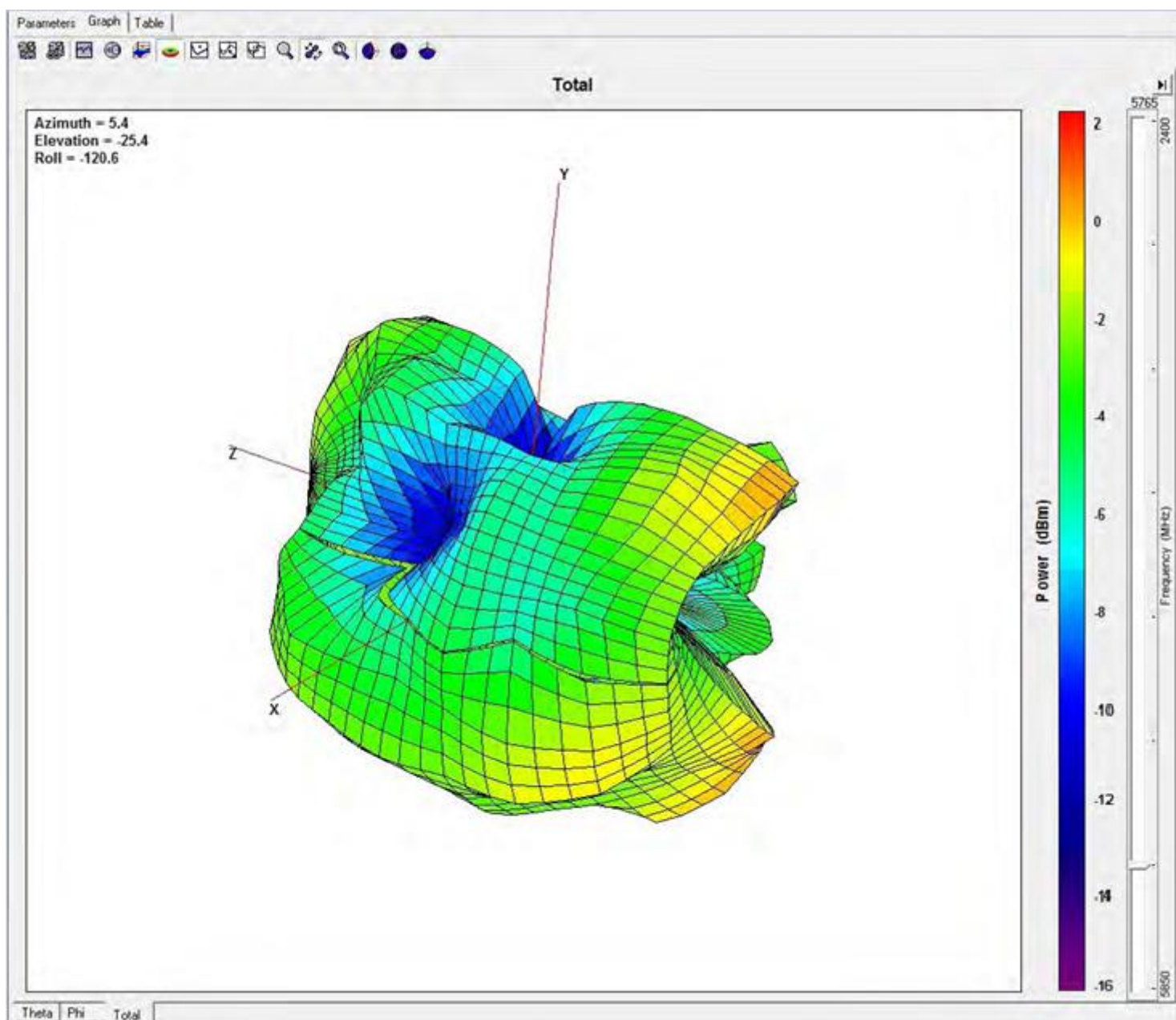
Center freq.(MHz):: 5450



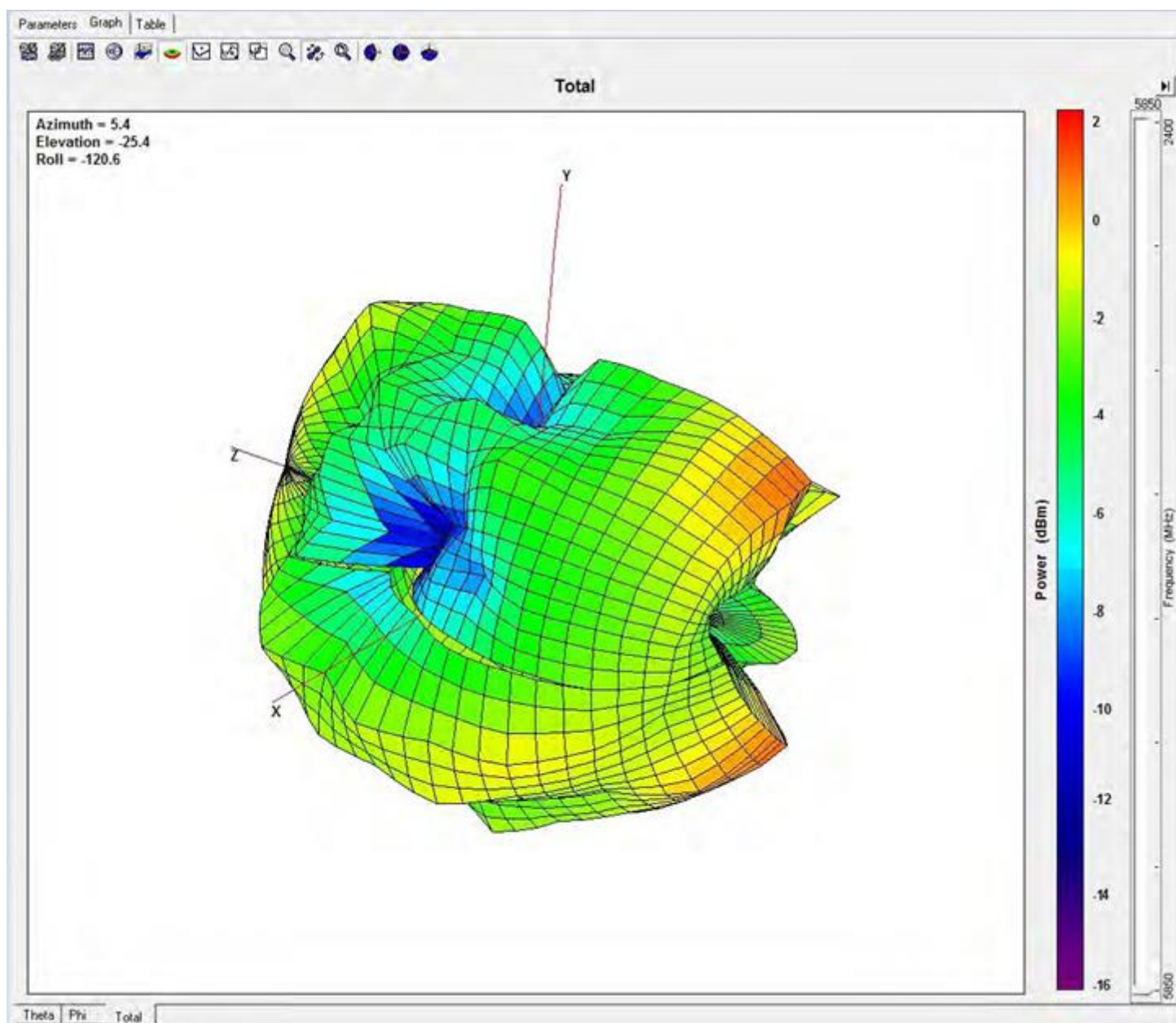
Center freq.(MHz):: 5600



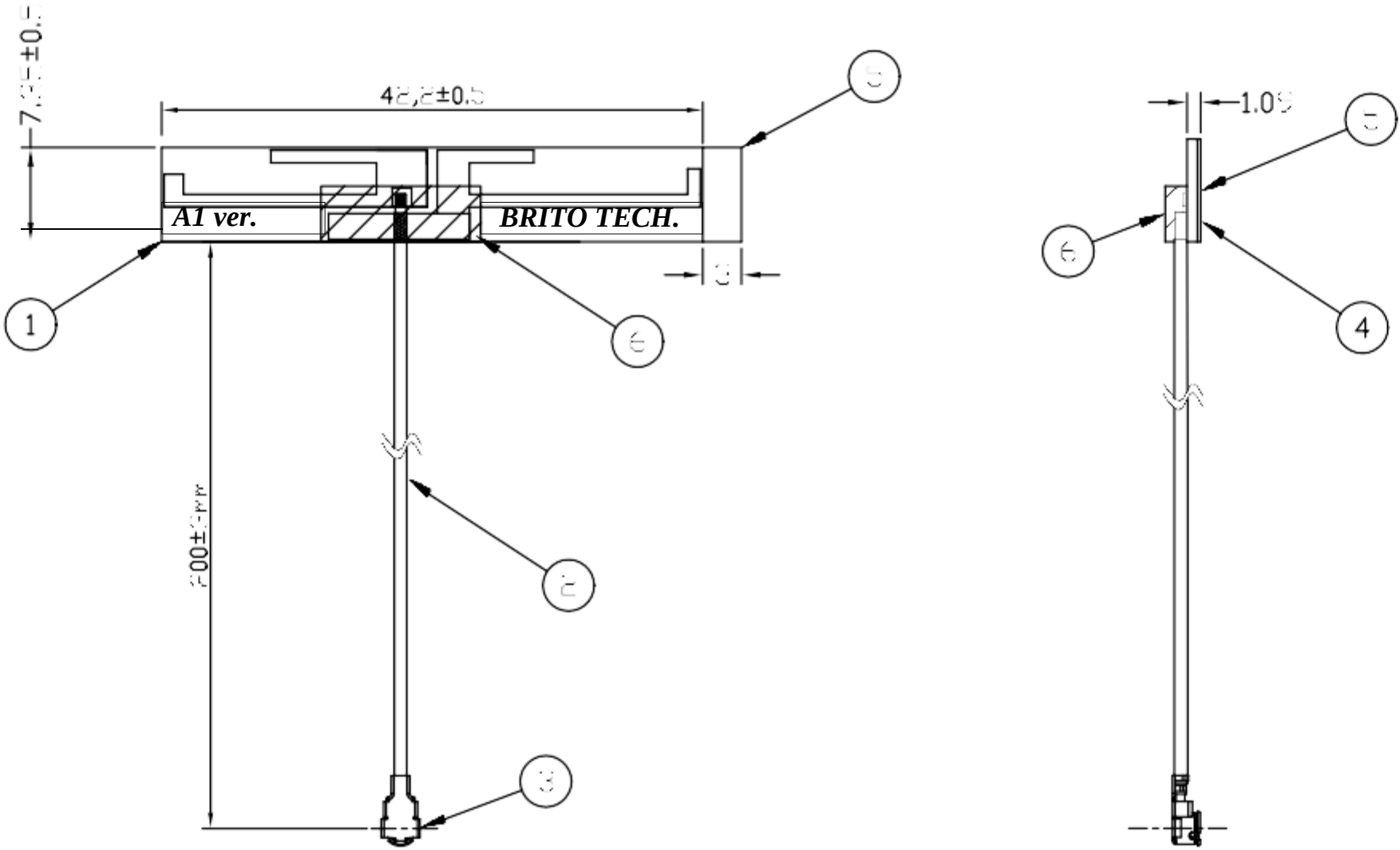
Center freq.(MHz):: 5765



Center freq.(MHz):: 5850



R E V I S I O N S				
REV	DESCRIPTION	LOCATION	DRAWN	DATE
△	New drawing		WEBER	2022/3/23



6	N/A	热熔胶	热熔胶	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 FDR Ø1.13mm	CPN-CA-1911-0729-A	1PCS	N/A
2	N/A	CABLE	Ø1.13mm CABLE, BLACK	CPN-CA-1911-0729-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.	QTY	REMARKS

RANGE	TOLERANCE	BRITO			MODEL NAME			
X.xx	± 0.10	BRITO Technology Co., Ltd			WLAN ANTENNA			
X.x	± 0.15	MATERIAL: See TABLE	DRAWN: WEBER	DATE: 2022/3/23	TITLE: WLAN EMBEDDED ANTENNA			
X	± 0.25	FINISH: WLAN ANTENNA	DESIGN: JOHN	DATE: 2022/3/23	SIZE: A3	PART NO. WLA1EM60-10200-S		
 THE 3RD PROJECTION		UNIT: mm	APPROVED: BRUCE	DATE: 2022/3/23	SCALE : N/A		SHEET 1 OF 1	
					DWG NO. WLA-EM-2203-0173-A		REV.	A