



BRITO TECHNOLOGY

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SPECIFICATION FOR APPROVAL

CUSTOMER :

亞弘電科技股份有限公司

PART NAME :

WLAN EMBEDDED ANTENNA

PART NO. :

OTDB1EM60-I0195

VERSION

RoHS
RoHS

BRITO

P/NO. :

DB1EM60-I0195-1

承認 用	品名:	PCB天線	
	料號:	OTDB1EM60-I0195	
	機種:	JP07	
	105 8.18 24		
核准	蘇文江	確認	王翹志
亞弘電科技股份有限公司			
電子研發課			

AD NO. :

AD-WLA-EM-1606-0018-B

	MANUFACTURER			CUSTOMER		
	SIGNATURE			SIGNATURE		
APPROVED :	核 準	審 核	承 辦	核 準	審 核	承 辦
BY :	NISA	JOHN	LINDA			
DATE :	2016/7/1					

SPECIFICATION

FREQUENCY RANGE	-----	2.4~2.5/4.9~5.8 GHz
VSWR	-----	≤ 2.0
IMPEDANCE	-----	50 Ω
WIRE	-----	OD1.13 CABLE BLACK
PCB	-----	FR4
CONNECTOR	-----	IPEX
ORERATING TEMPERATURE	-----	-40°C ~+80°C
STORAGE TEMPERATURE	-----	-45°C ~+85°C

A

B

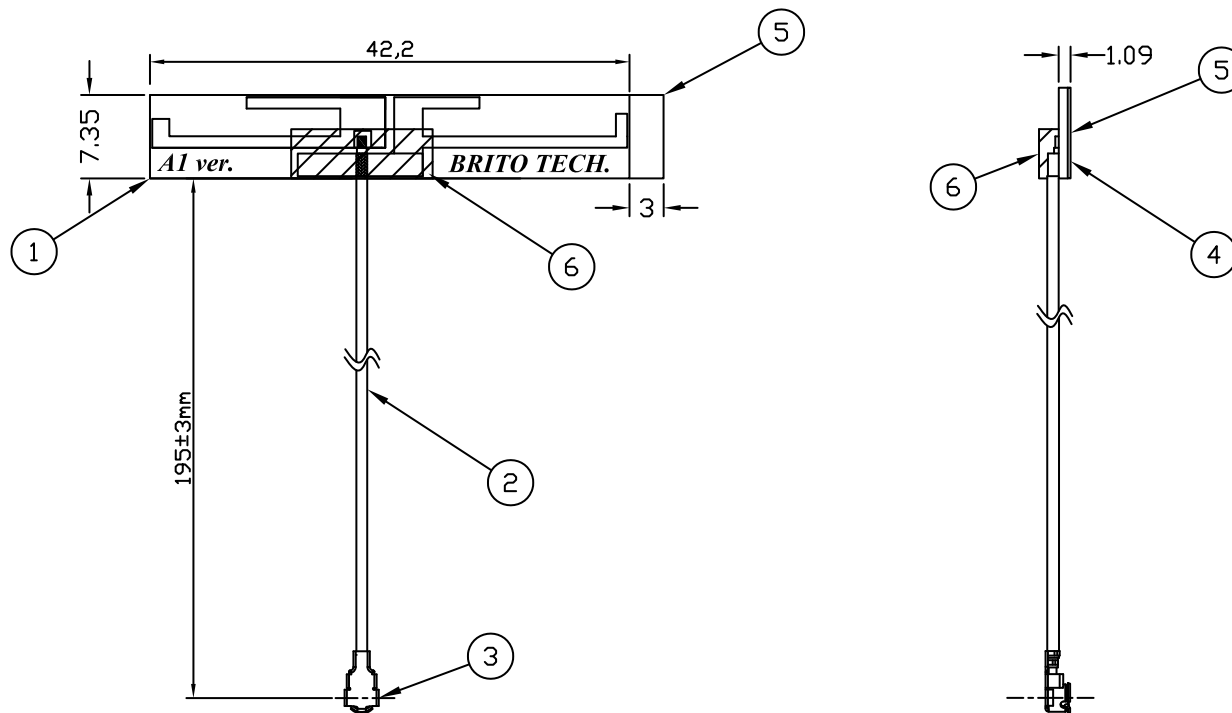
C

D

E

F

R E V I S I O N S				
REV	DESCRIPTION	LOCATION	DRAWN	DATE
A	圖面新增		ALGER	2016/8/2



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-1606-0077-B	1PCS	N/A
2	N/A	CABLE	Ø1.13mm CABLE;BLACK	CPN-CA-1606-0077-B	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 WLAN ANTENNA	
X.xx	± 0.10				TITLE: WLAN EMBEDDED ANTENNA	
X.x	± 0.15	MATERIAL: See TABLE	DRAWN: ALGER	DATE: 2016/8/2		
X	± 0.25	FINISH: WLAN ANTENNA	DESIGN: JOHN	DATE: 2016/8/2	SIZE: A3	PART NO. DB1EM60-I0195-S
		UNIT: mm	APPROVED: BRUCE	DATE: 2016/8/2	SCALE : N/A	
				SHEET 1 OF 1		



THE 3RD PROJECTION

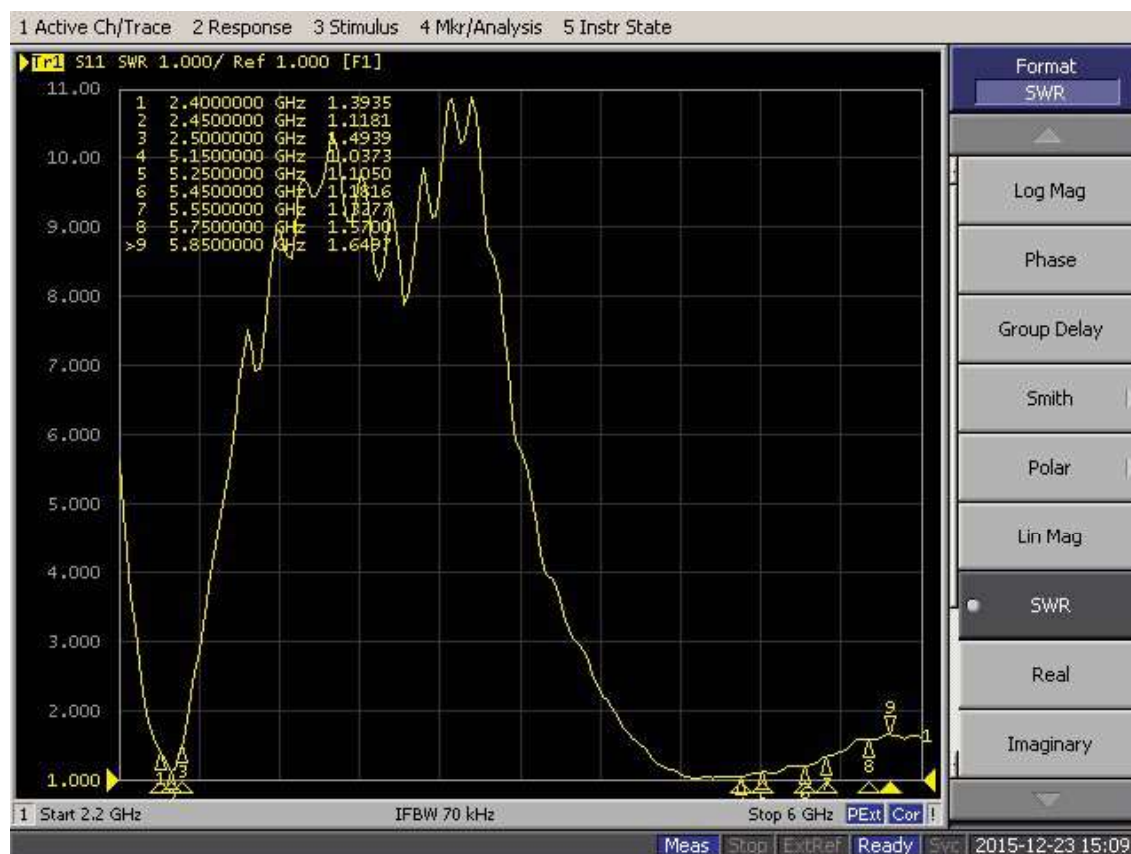
DWG NO. WLA-EM-1608-0052-A REV. A

Reference

RETURN LOSS



VSWR



Chamber

Test Date	2016/1/21										
Trade Name											
App.No											
Model Name											
Test Mode Free Space & Talking Position											
Communication System											
Channel	2400	2450	2500	5150	5250	5310	5320	5330	5550	5725	5850
Note	WLAN-Main										
Ant. Port Input Pwr. (dBm)	0	0	0	0	0	0	0	0	0	0	0
Tot. Rad. Pwr. (dBm)	-2.23441	-1.60383	-1.66381	-1.93996	-1.72604	-0.897183	-1.61477	-1.96146	-2.84483	-3.22574	-3.22759
Peak EIRP (dBm)	4.22906	4.62636	4.54261	4.24442	4.40157	5.80113	4.88413	3.99902	4.15698	3.30414	3.48354
Directivity (dBi)	6.46347	6.23019	6.20642	6.18437	6.12761	6.69831	6.4989	5.96049	7.00181	6.52988	6.71112
Efficiency (dB)	-2.23441	-1.60383	-1.66381	-1.93996	-1.72604	-0.897183	-1.61477	-1.96146	-2.84483	-3.22574	-3.22759
Efficiency (%)	59.7805	69.1221	68.174	63.9741	67.2042	81.3358	68.9481	63.6581	51.9418	47.5802	47.5599

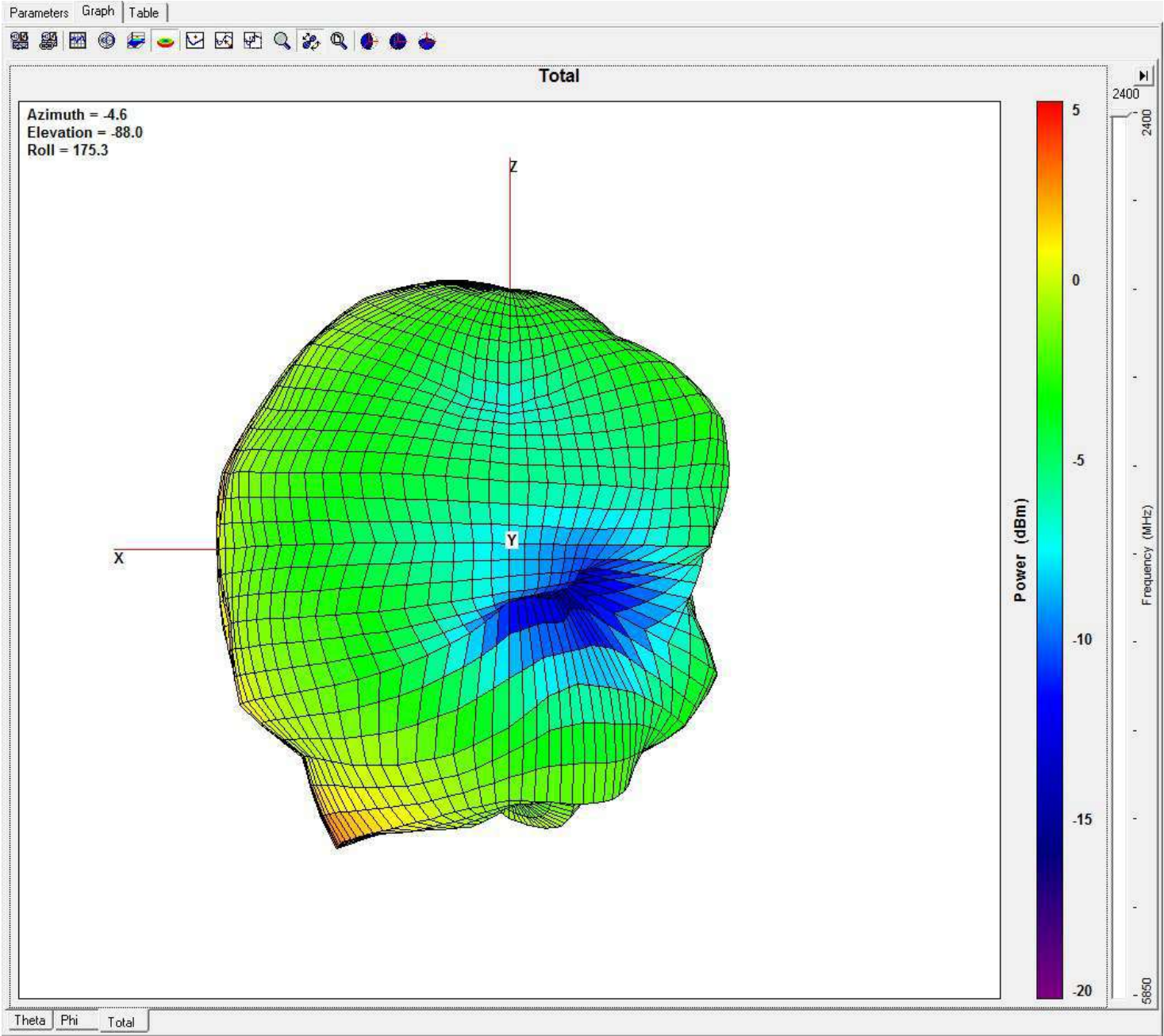
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Date:2016-01-21

Time:15:05

Tested by: John

Center freq.(MHz): : 2400



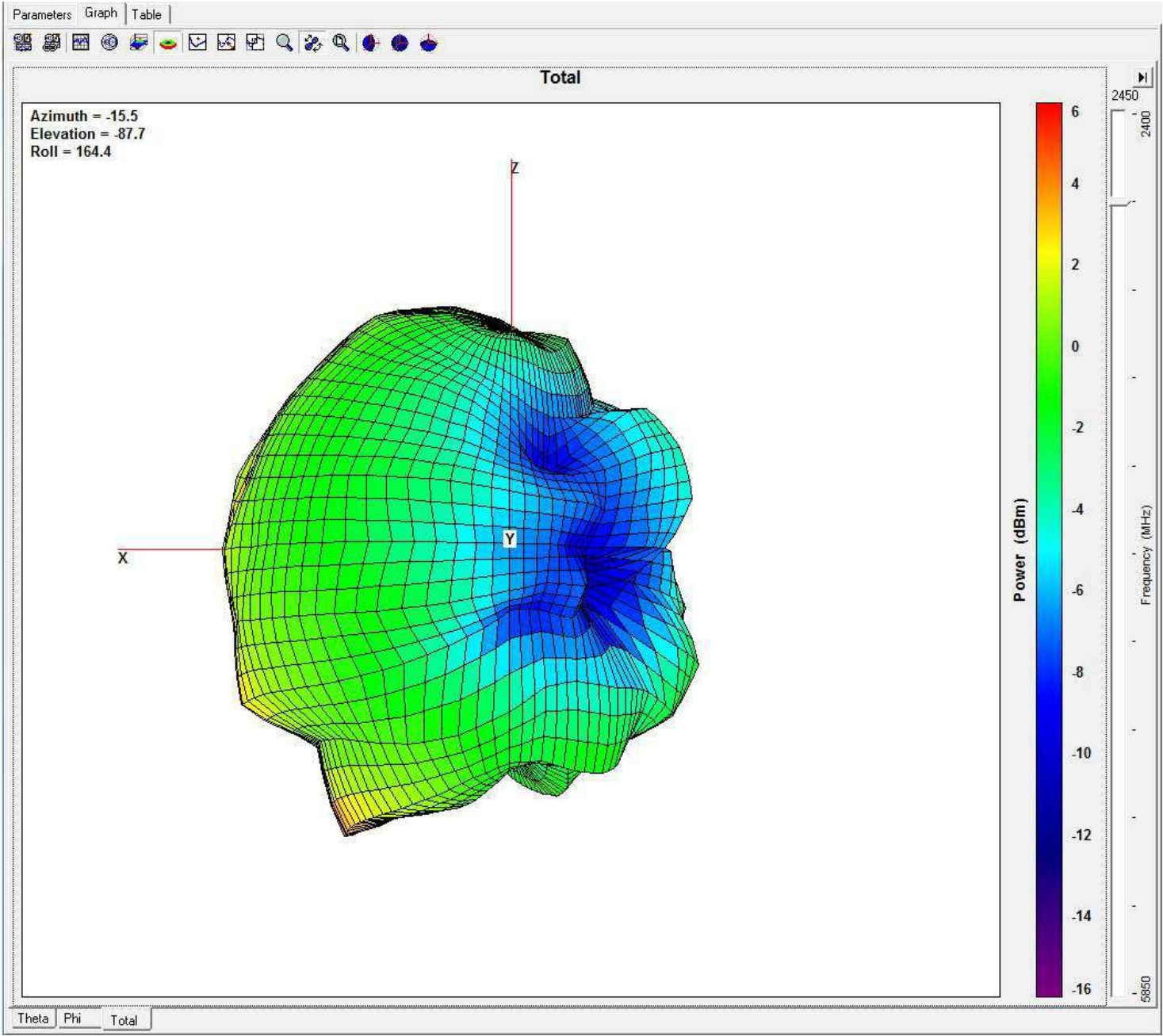
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Date:2016-01-21

Time:15:05

Tested by: John

Center freq.(MHz): : 2450



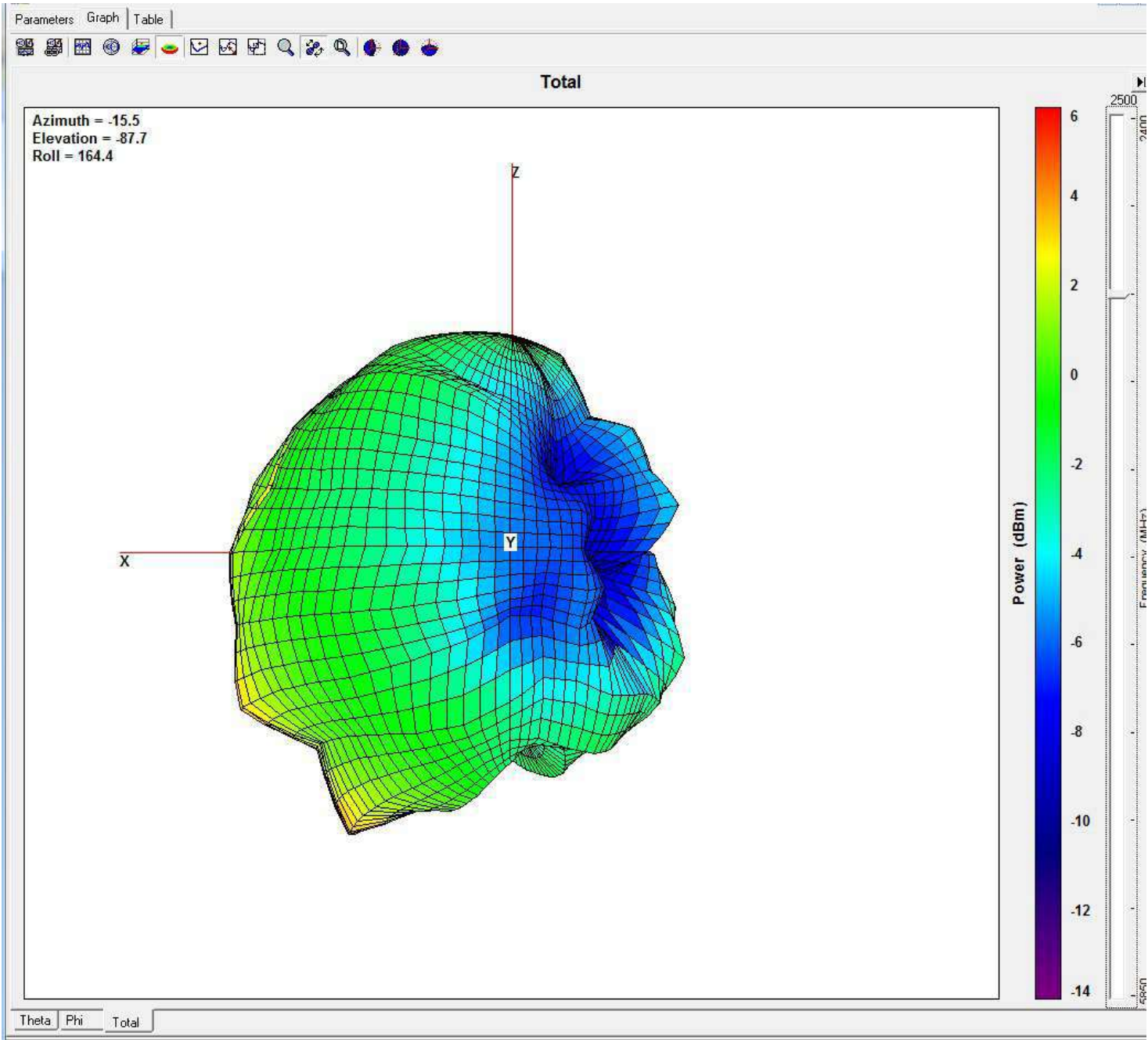
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Date:2016-01-21

Time:15:05

Tested by: John

Center freq.(MHz): : 2500



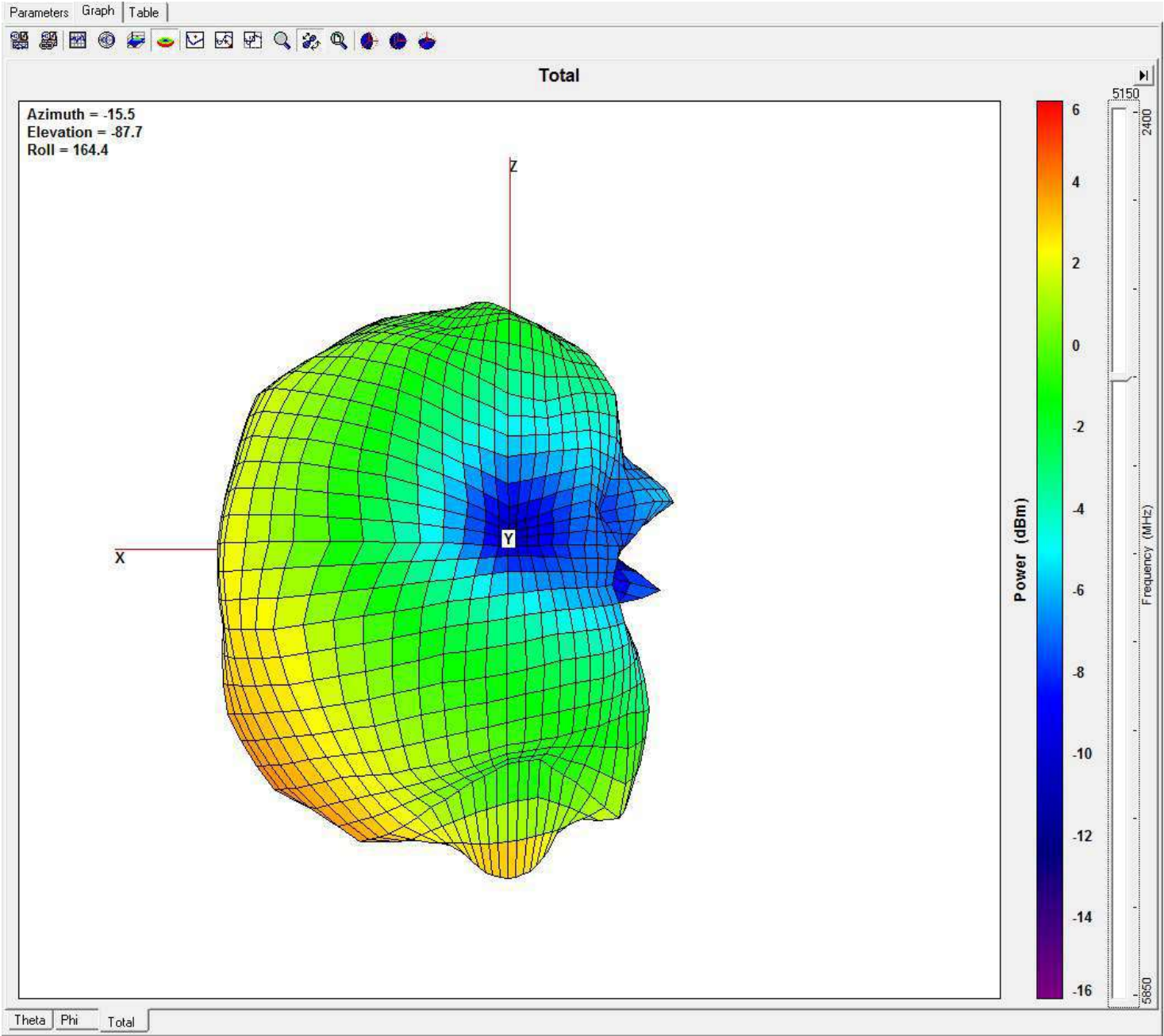
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Date:2016-01-21

Time:15:05

Tested by: John

Center freq.(MHz): : 5150



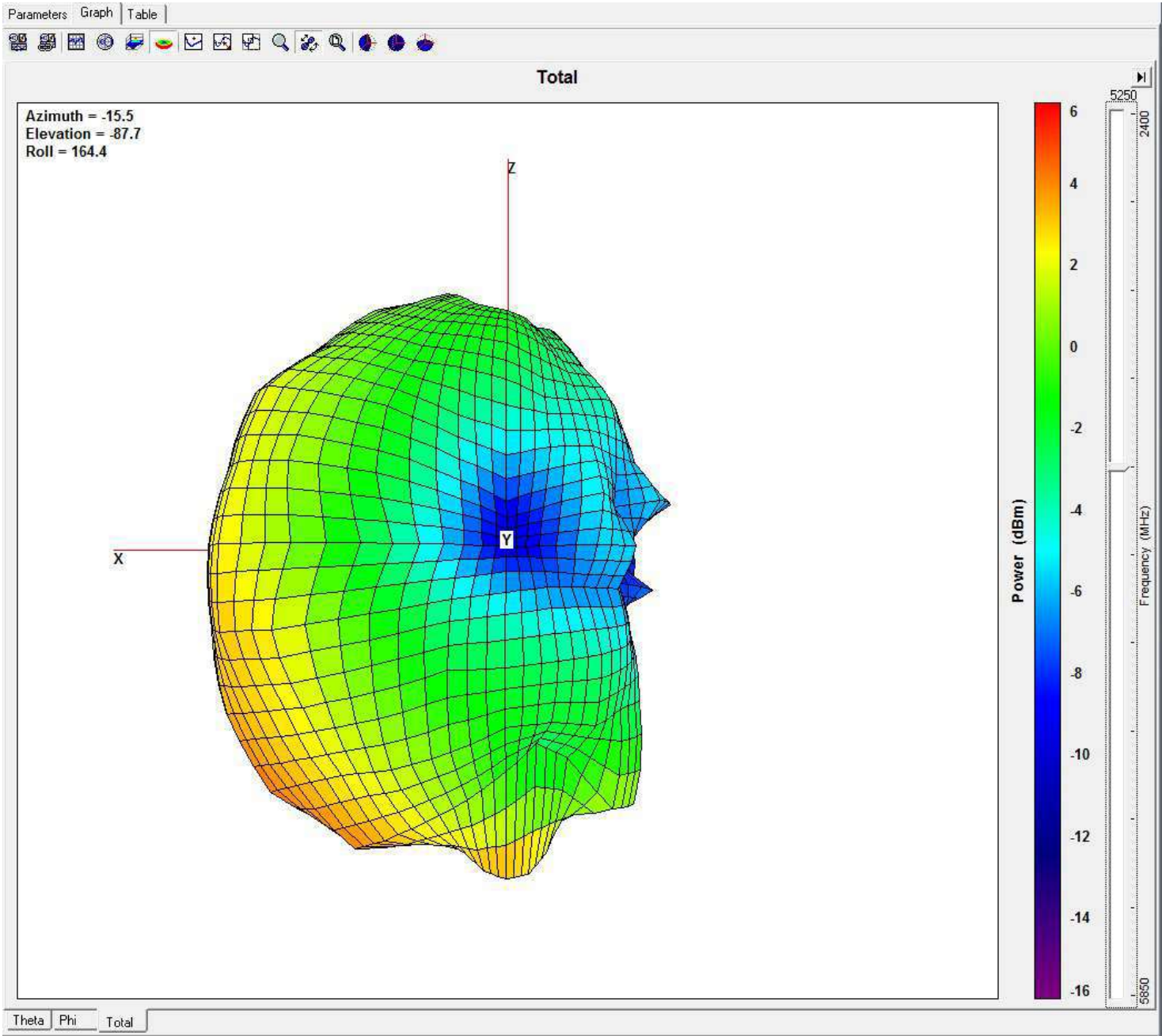
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Tested by: John

Center freq.(MHz): : 5250



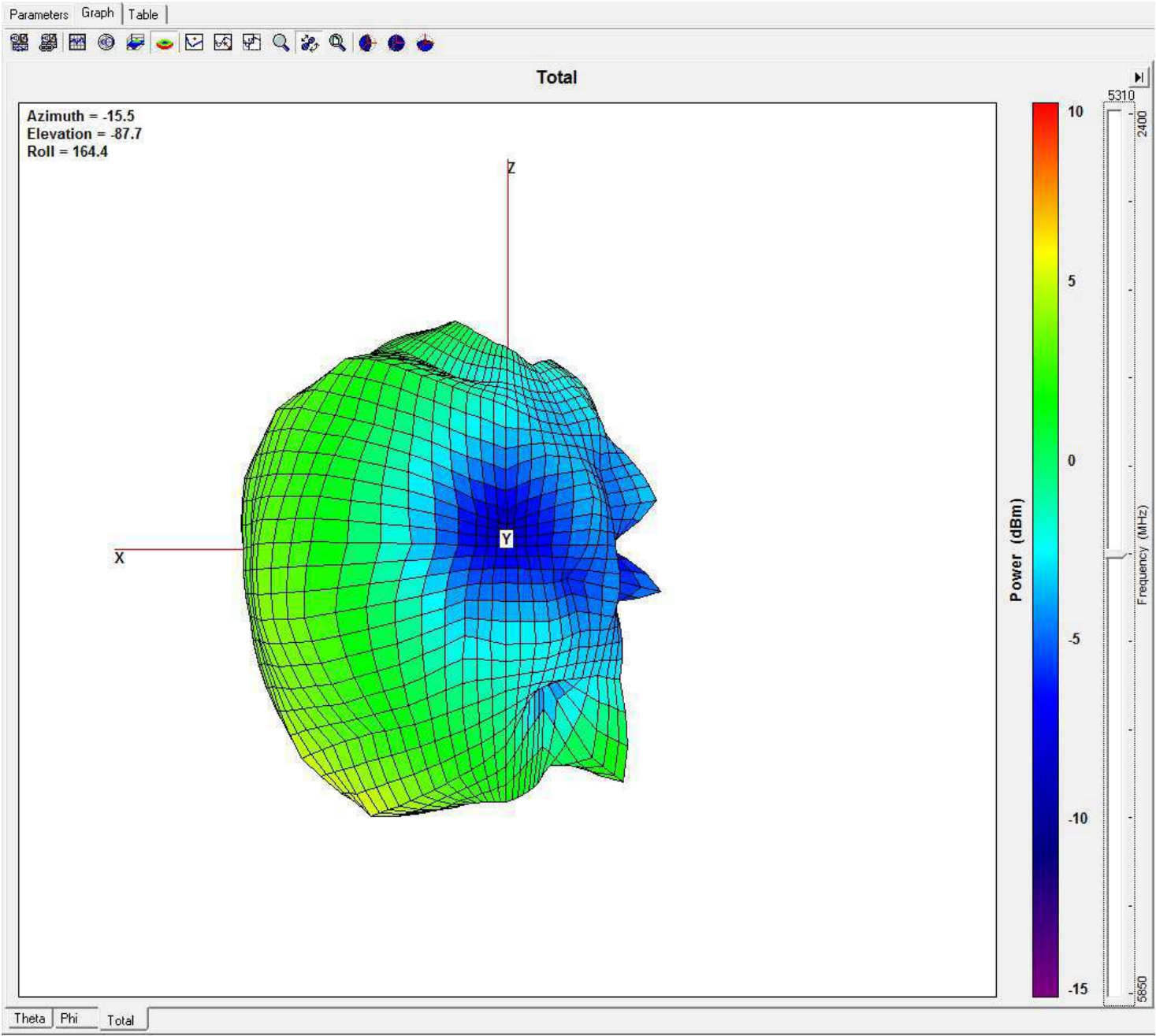
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Date:2016-01-21

Time:15:05

Tested by: John

Center freq.(MHz): : 5310



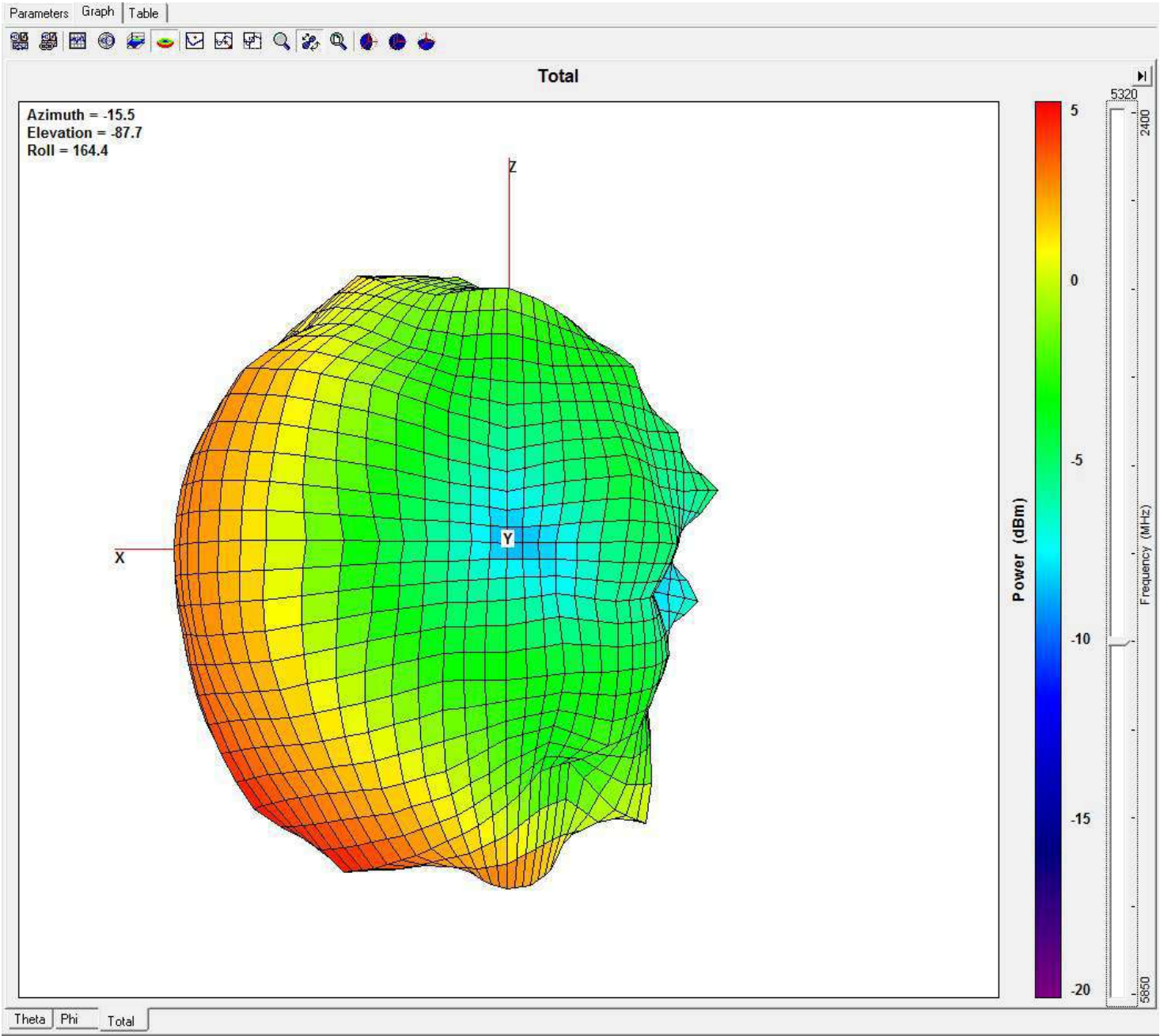
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Time:15:05

Tested by: John

Center freq.(MHz): : 5320



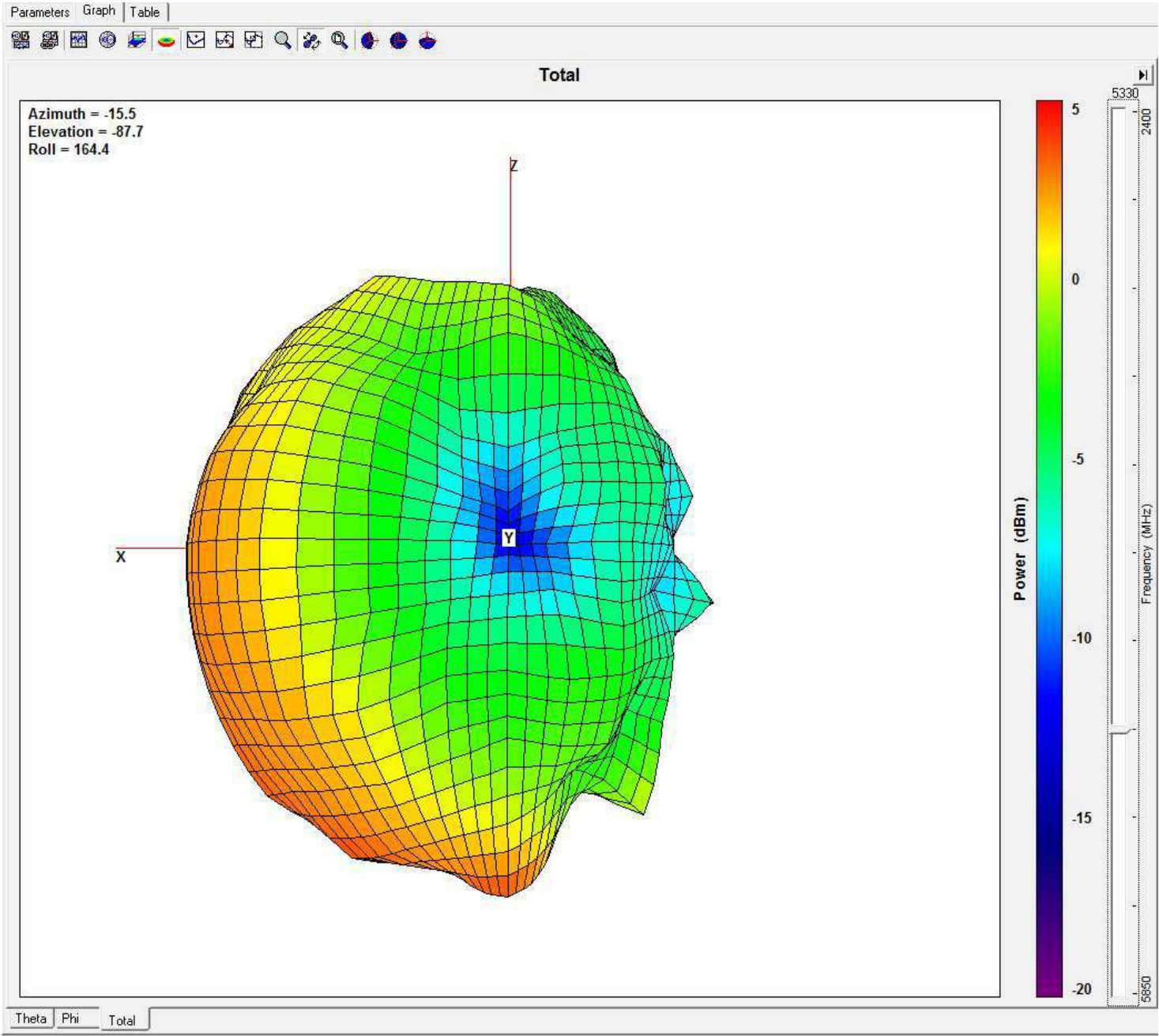
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Date:2016-01-21

Time:15:05

Tested by: John

Center freq.(MHz): : 5330



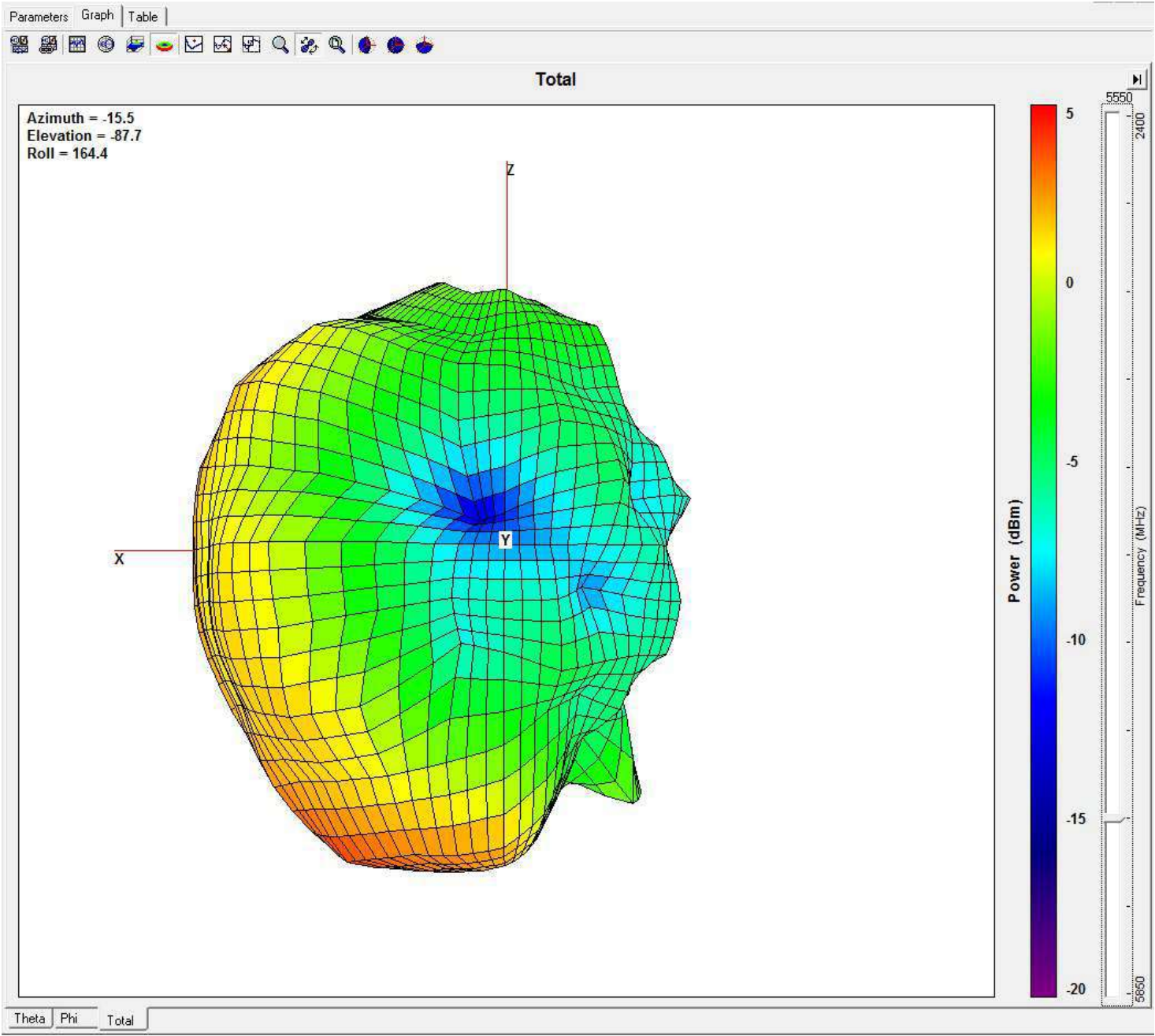
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Date:2016-01-21

Time:15:05

Tested by: John

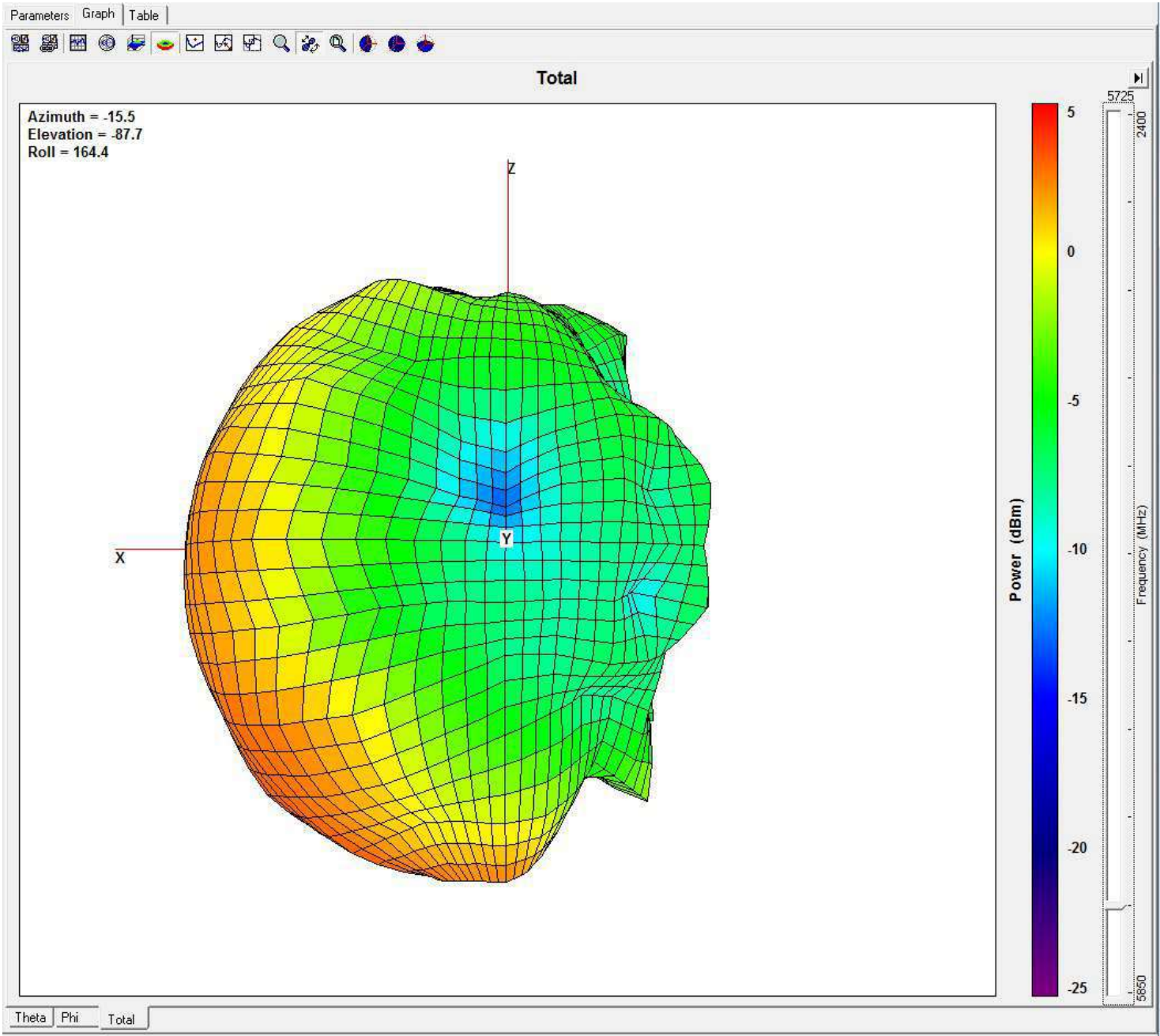
Center freq.(MHz): : 5550



Time:15:05

Tested by: John

Center freq.(MHz): : 5725



Job No.:160121-Dbii-5850

Date:2016-01-21

Time:15:05

Tested by: John

Center freq.(MHz): : 5850

