

SPECIFICATION

Product : WLAN EXTERNAL ANTENNA

Descriptions : 2.4~2.5/4.9~5.8GHz+SMA ST. PR

SPECIFICATION

ELECTICAL PROPERTIES

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

IMPEDANCE----- 50Ω

VSWR----- 1.92:1MAX

RETURN LOSS----- -10dB MAX

RADIATION----- OMNI-DIRECTIONAL

GAIN----- 2.0dBi

POLARIZATION----- LINEAR VERTICAL

ADMITTED POWER----- 1W

PHYSICAL PROPERTIES

ANTENNA COVER----- TPE

ANTENNA BASE----- PC

ANTENNA ----- PBT

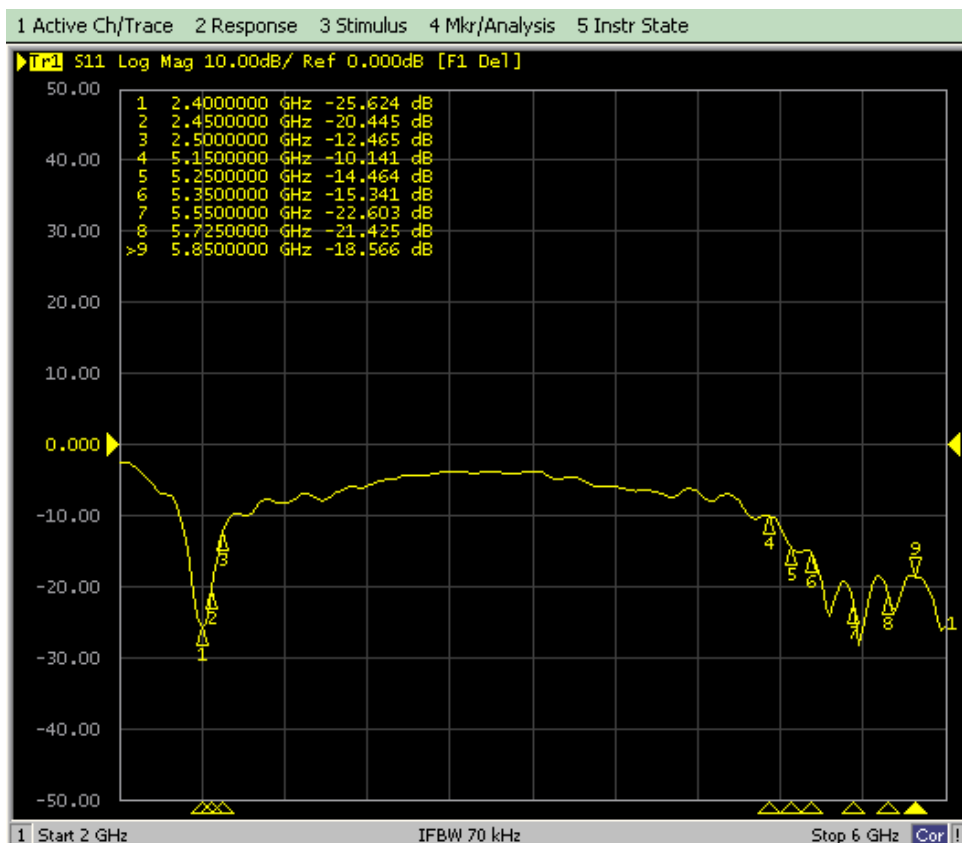
COLOR----- BLACK

CONNECTOR----- SMA ST. PR

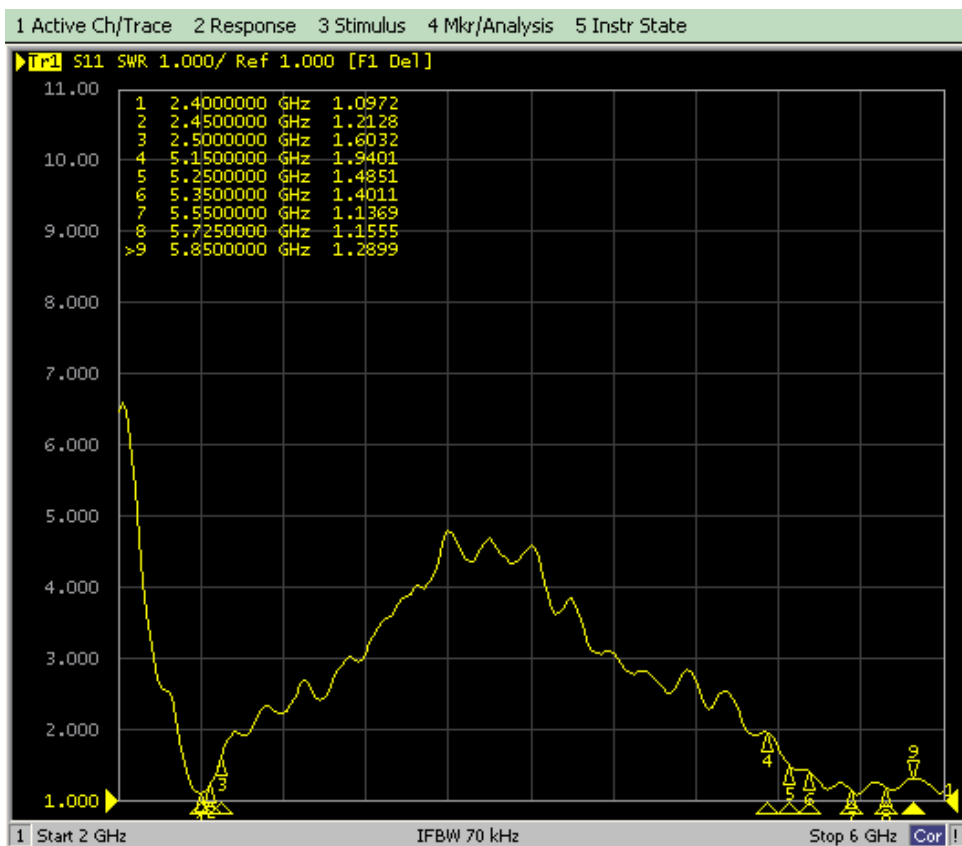
OPERATING TEMPERATURE----- -40 ~ +80 °C

STORAGE TEMPERATURE----- -45 ~ +85 °C

RETURN LOSS



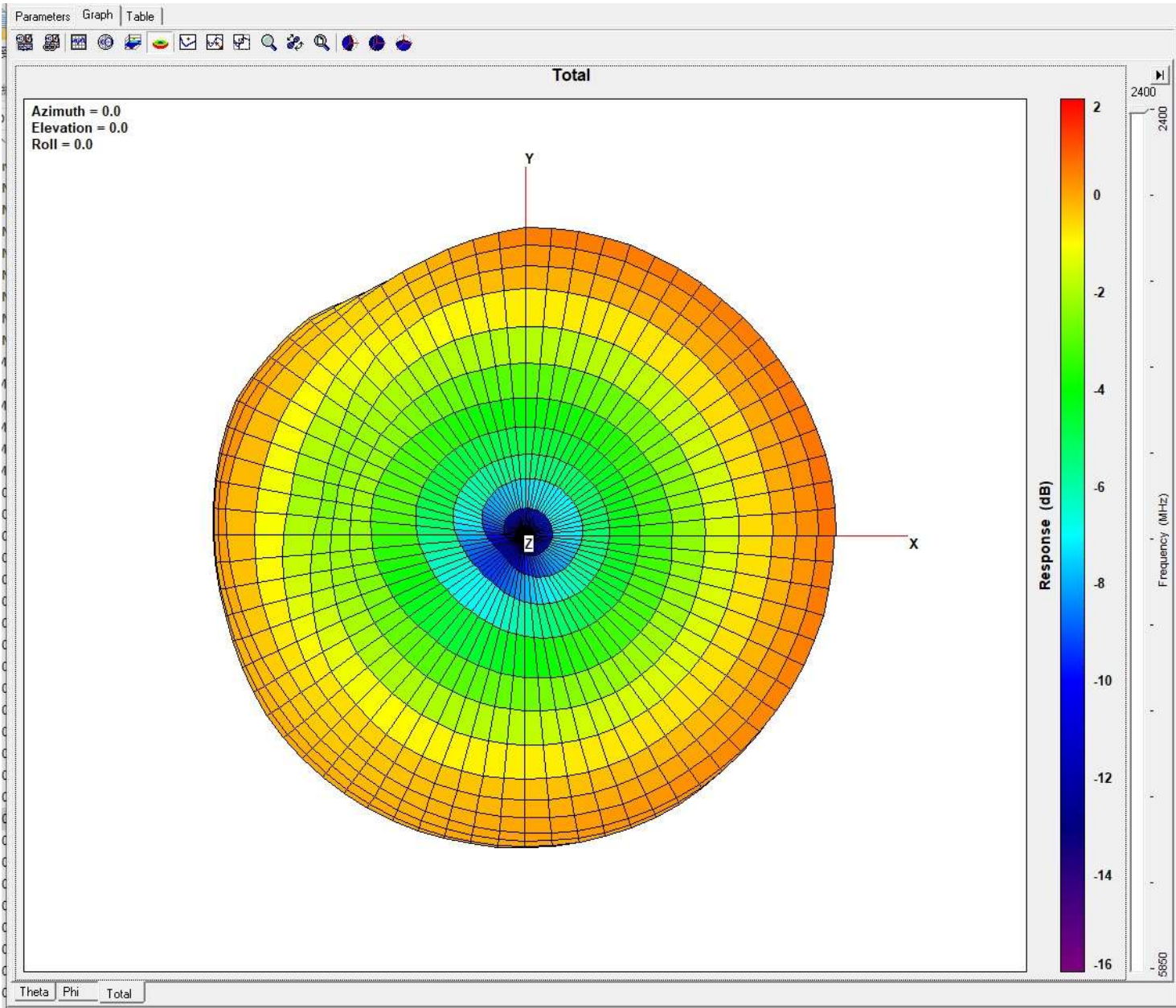
VSWR



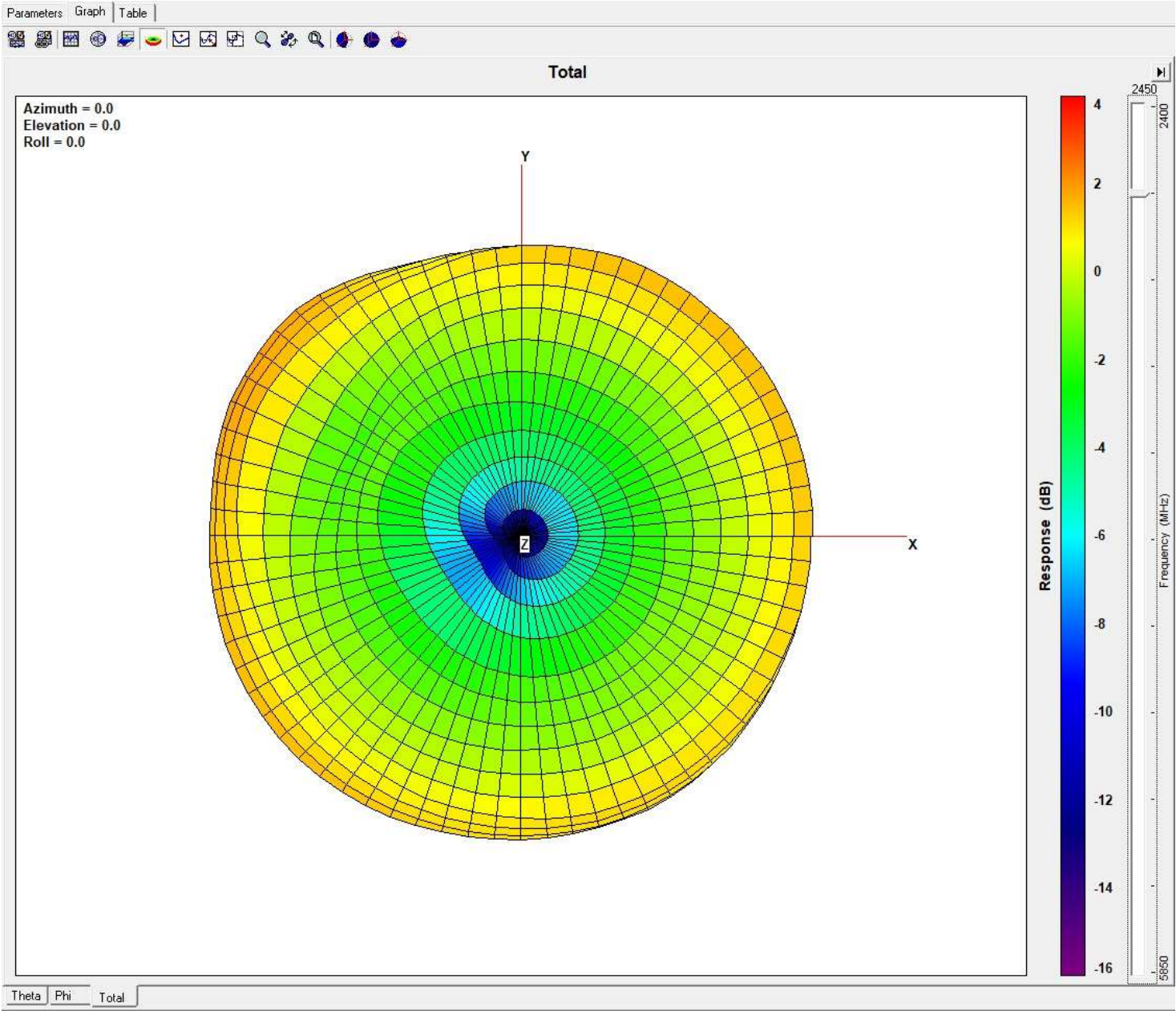
Chamber

Test Date	2019/4/19										
Trade Name	昀陽										
App.No											
Model Name											
Test Mode Free Space & Talking Position	Free Space										
Frequency	2400	2450	2500	5150	5250	5350	5450	5550	5650	5750	5850
OTA-1 Note	○ DB-2dBi										
Ant. Port Input Pwr. (dBm)	0	0	0	0	0	0	0	0	0	0	0
Tot. Rad. Pwr. (dBm)	-2.418	-1.52802	-1.44335	-1.29011	-2.06028	-2.04059	-1.62282	-1.36698	-0.897742	-1.00583	-1.0325
Peak Gain (dBi)	0.862426	2.05438	2.59992	3.29159	2.68622	2.55263	2.69594	3.07627	3.28782	3.05484	2.88491
Directivity (dBi)	3.28042	3.5824	4.04327	4.5817	4.7465	4.59322	4.31877	4.44324	4.18556	4.06066	3.91741
Efficiency (dB)	-2.418	-1.52802	-1.44335	-1.29011	-2.06028	-2.04059	-1.62282	-1.36698	-0.897742	-1.00583	-1.0325
Efficiency (%)	57.306	70.3393	71.724	74.3001	62.2261	62.5087	68.8205	72.9965	81.3253	79.3263	78.8406

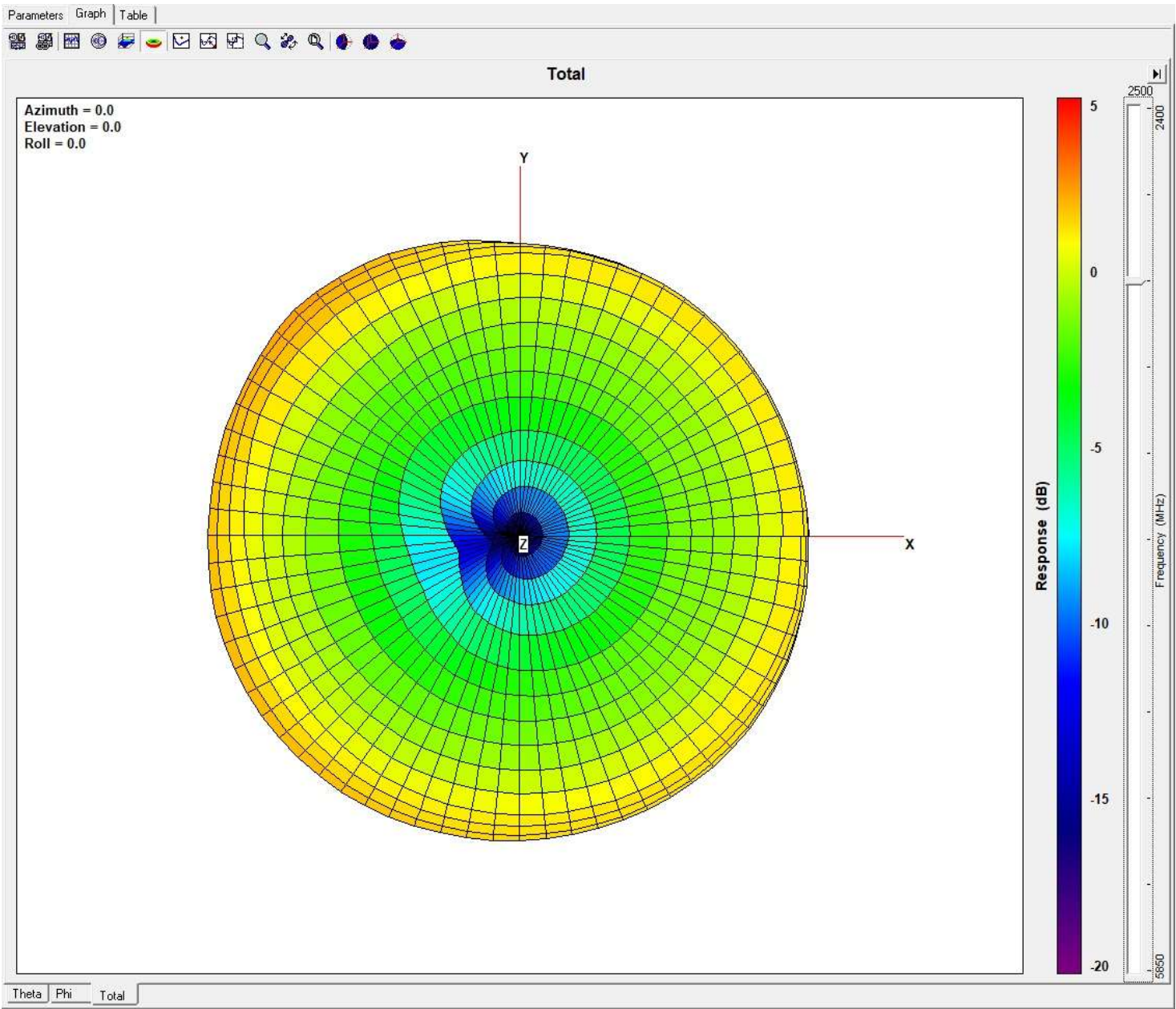
Center freq.(MHz): : 2400Mhz



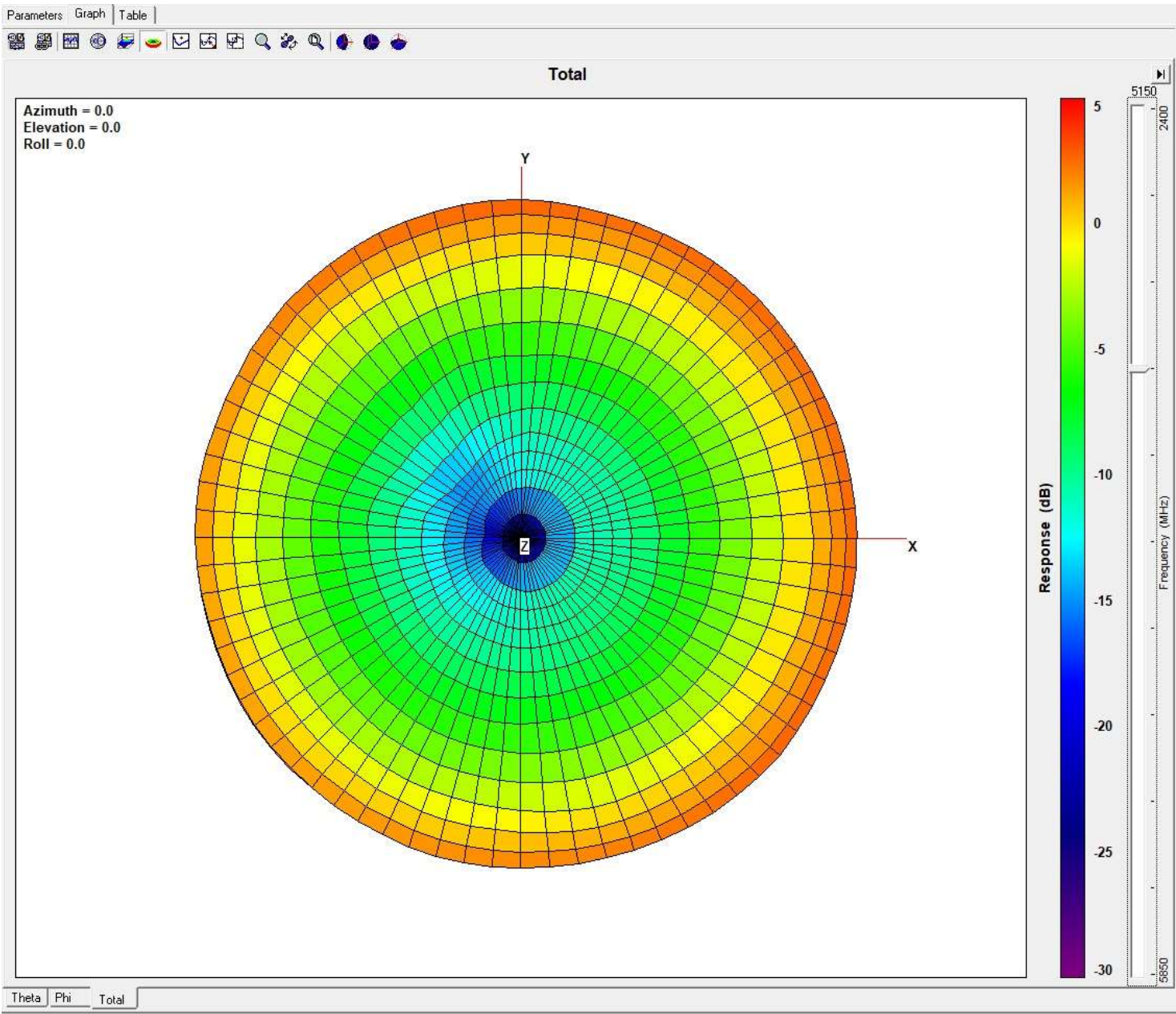
Center freq.(MHz): : 2450Mhz



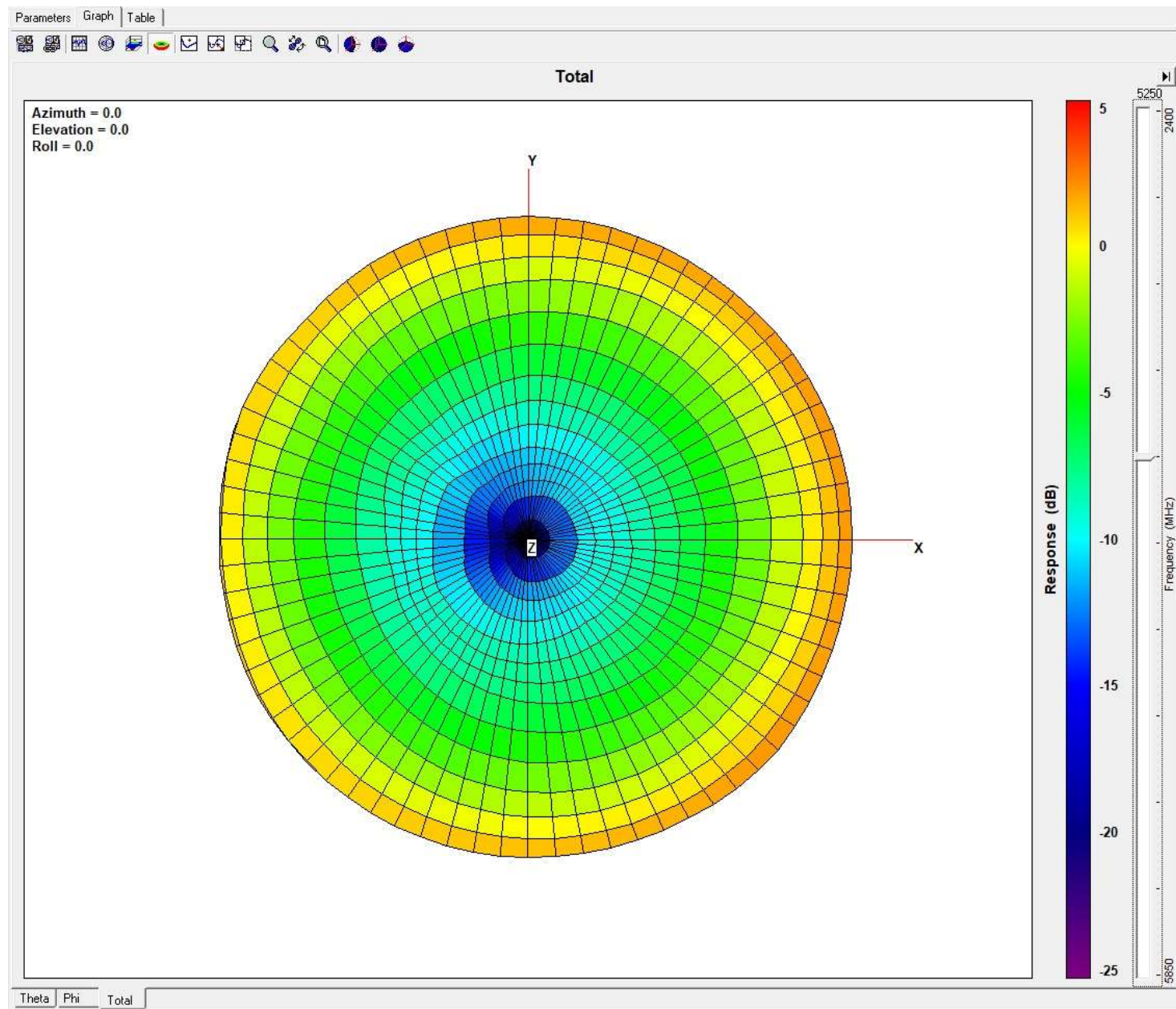
Center freq.(MHz): : 2500Mhz



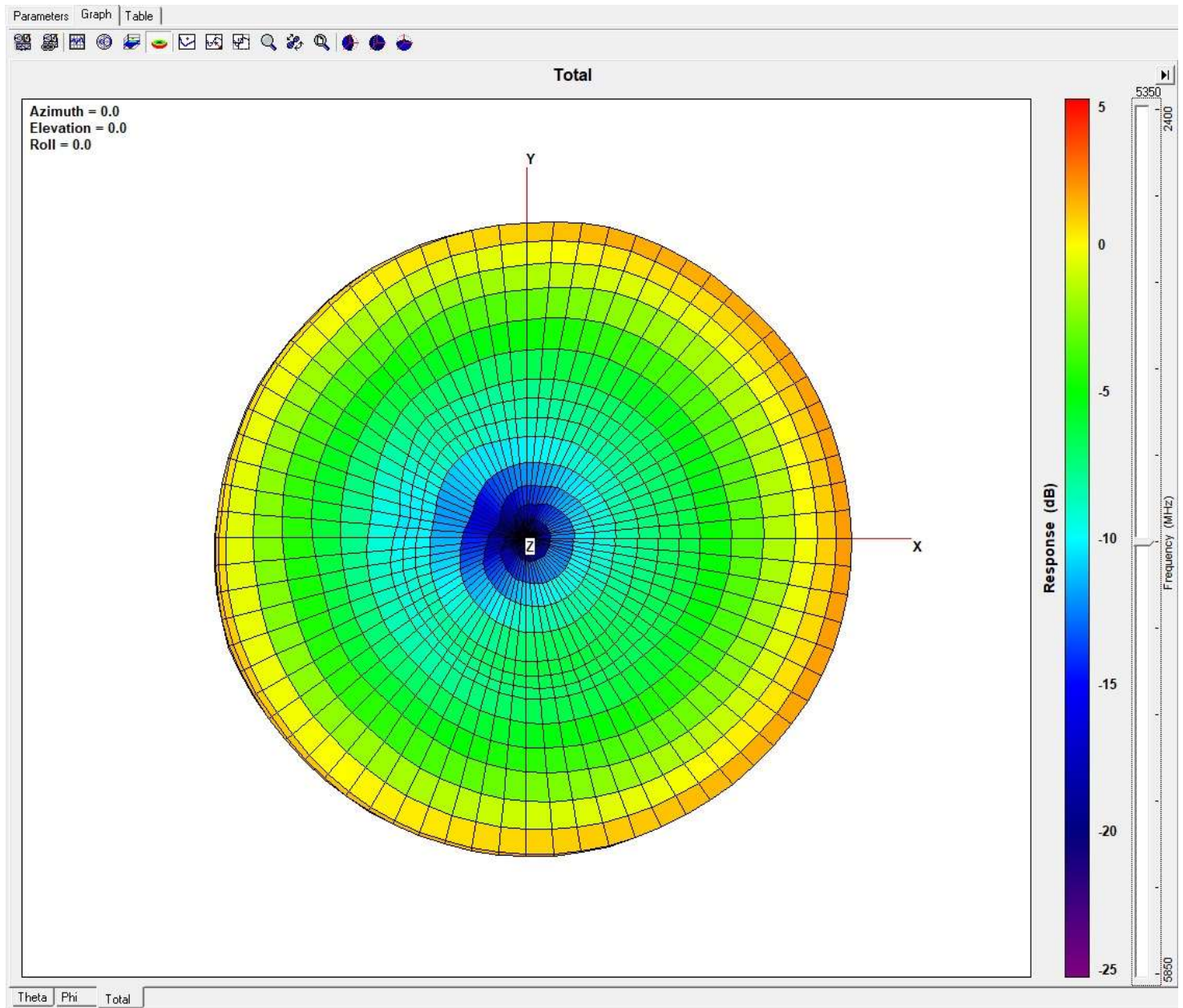
Center freq.(MHz): : 5150Mhz



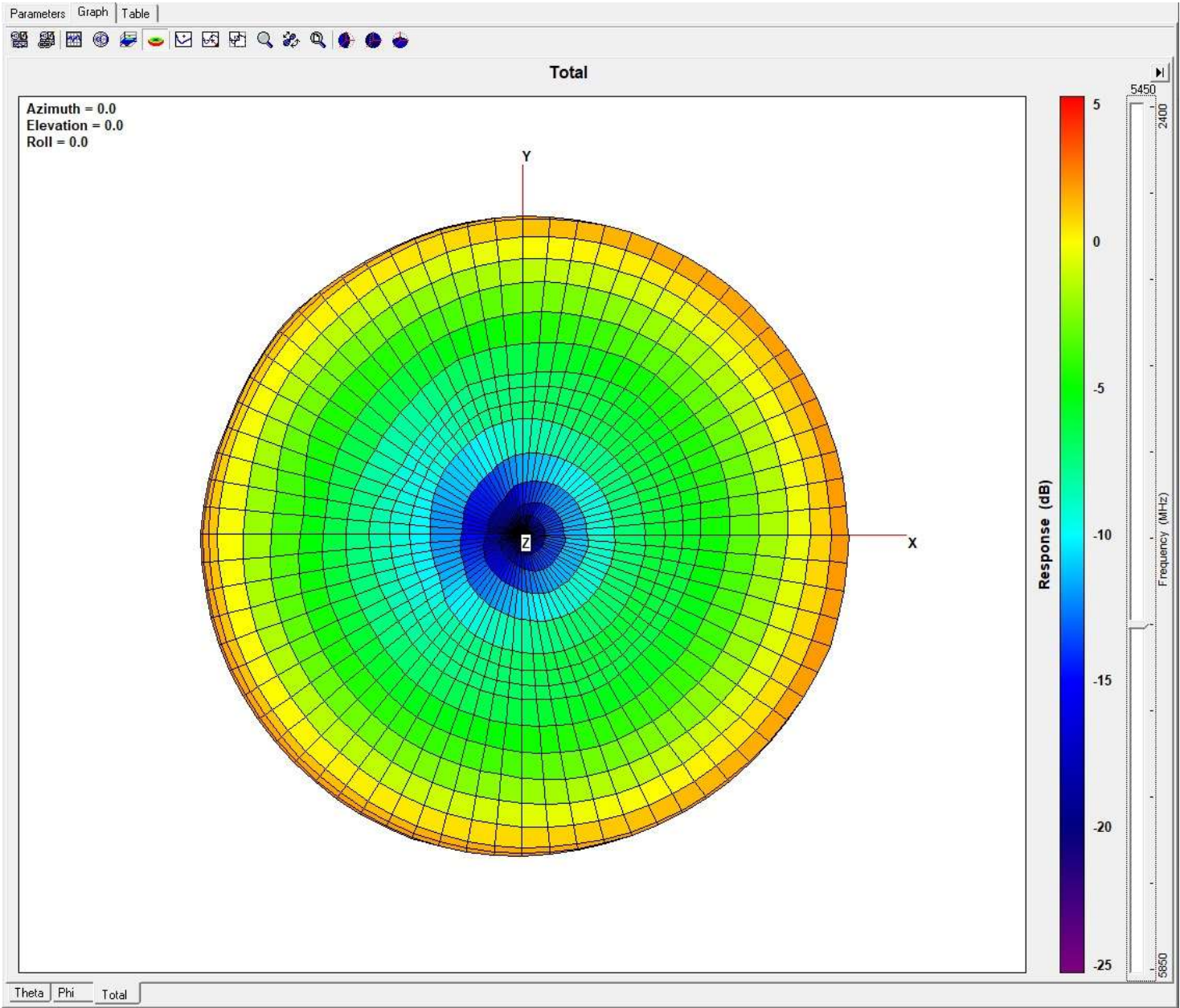
Center freq.(MHz): : 5250Mhz



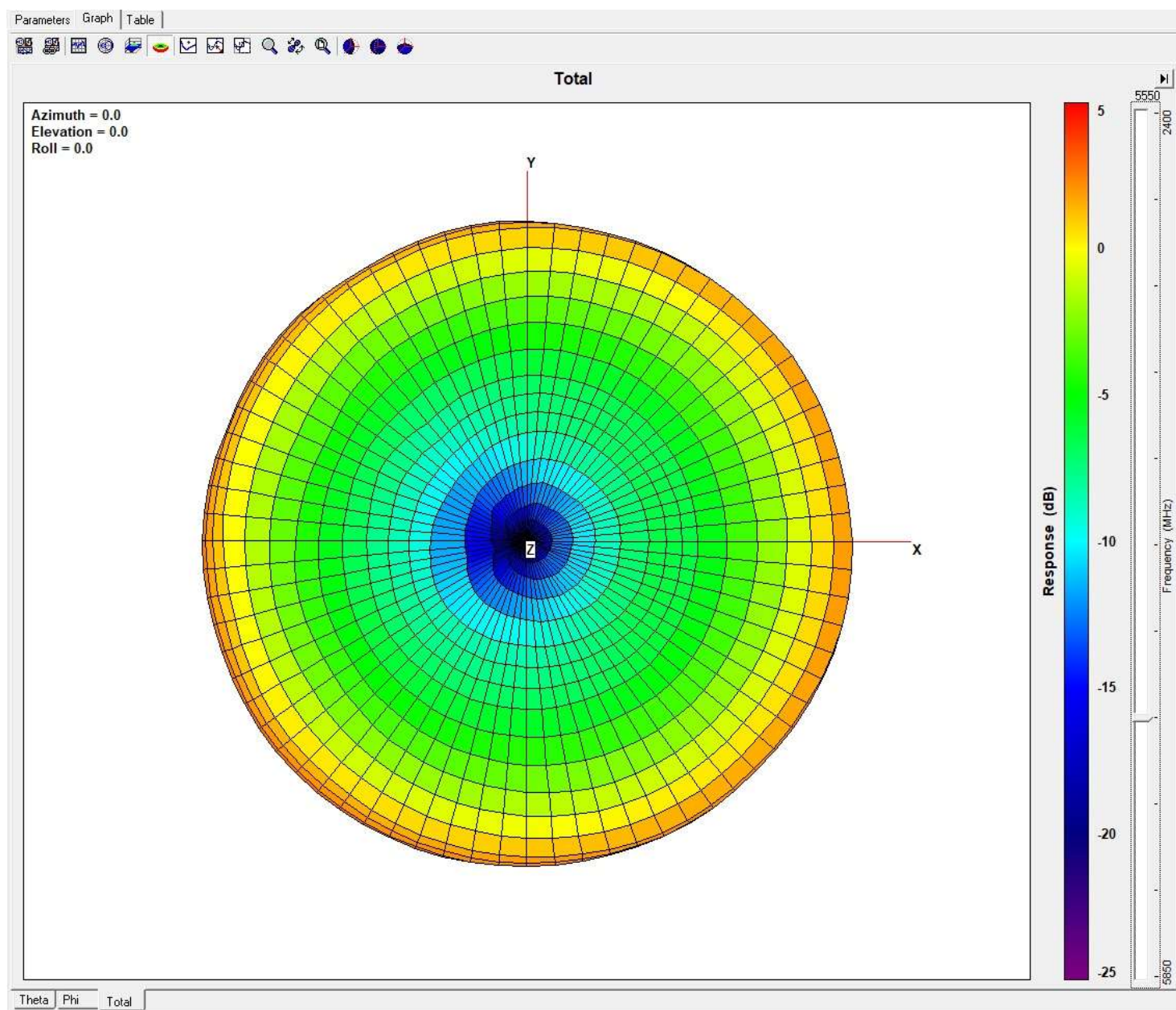
Center freq.(MHz): : 5350Mhz



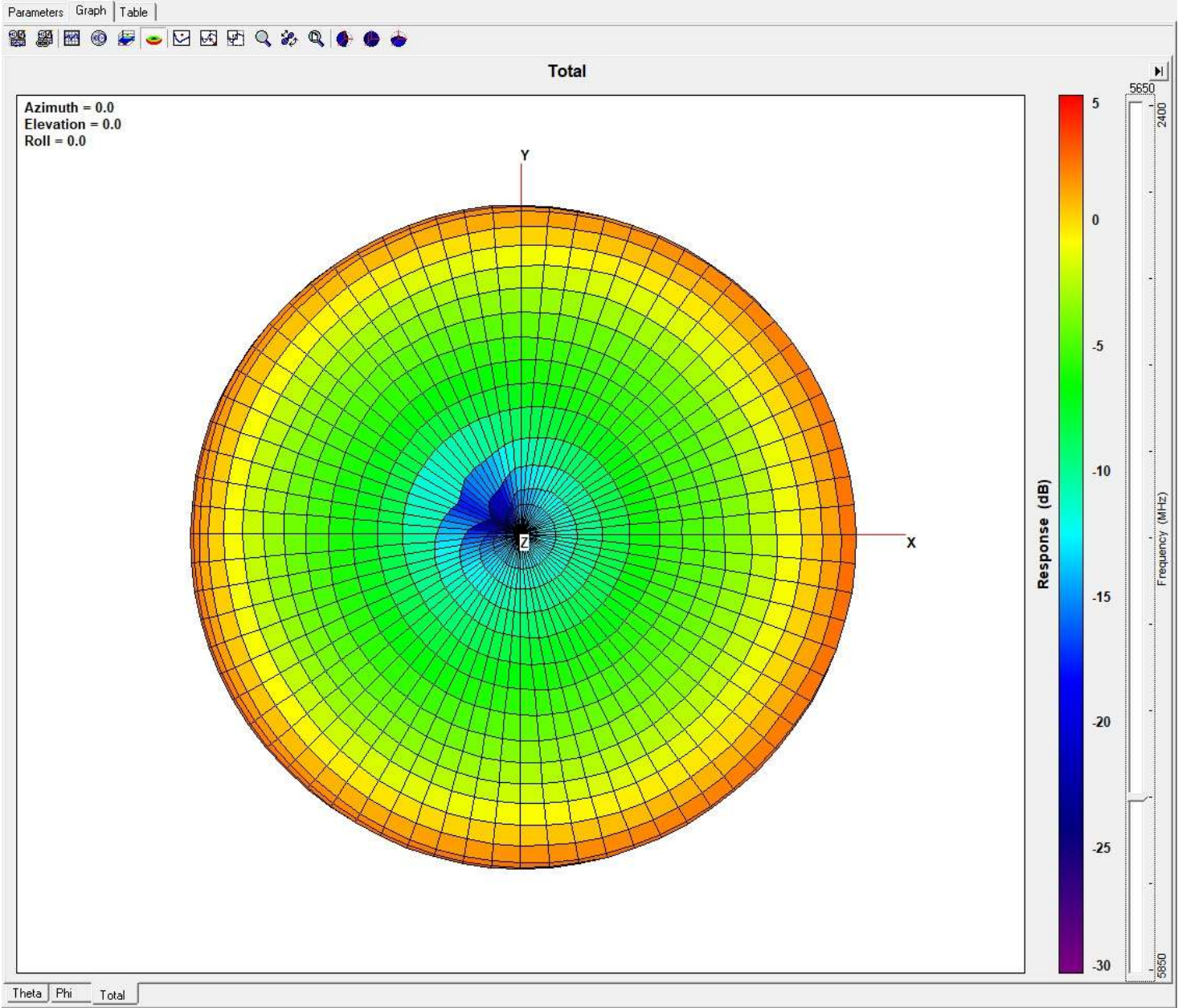
Center freq.(MHz): : 5450Mhz



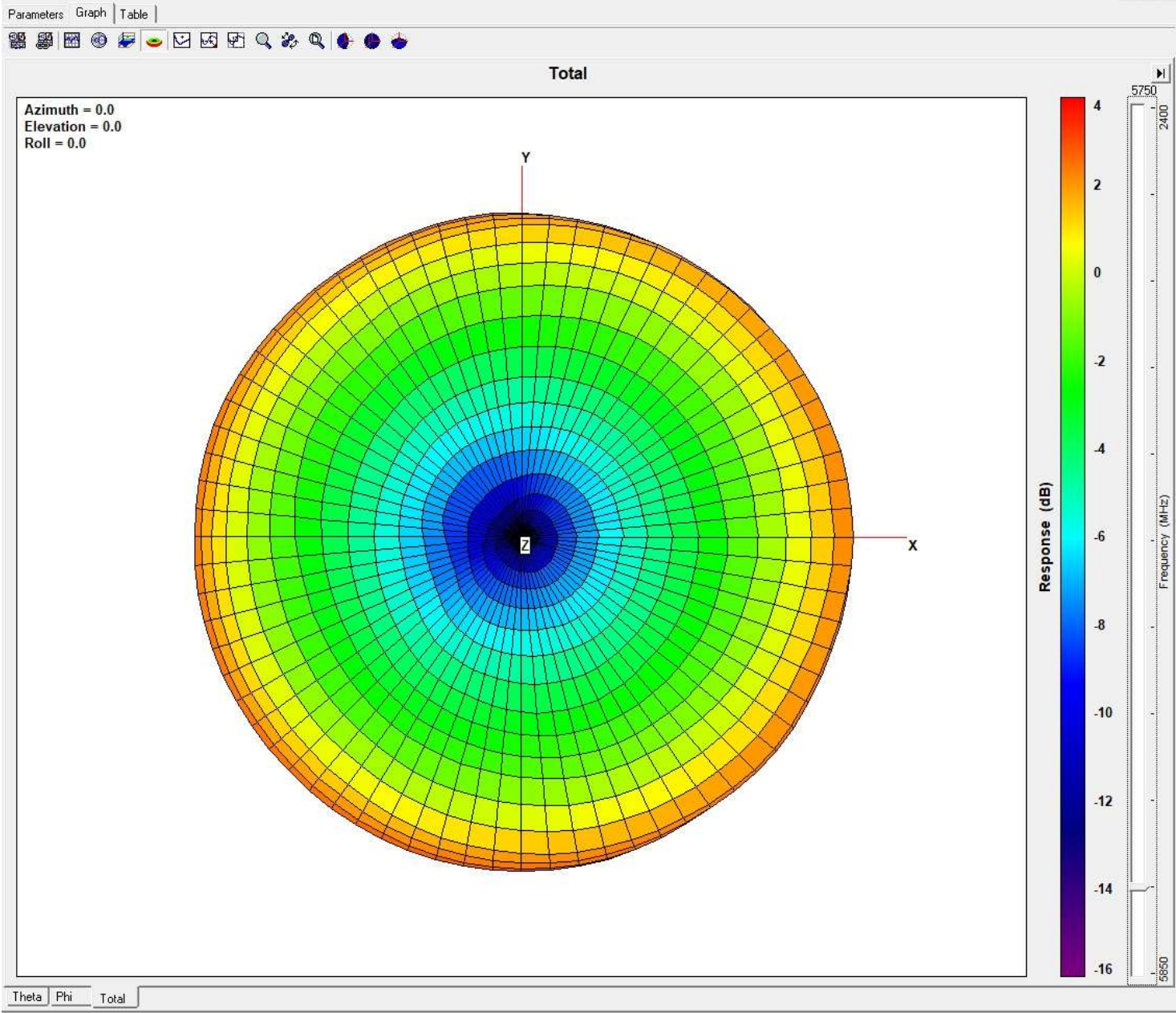
Center freq.(MHz): : 5550Mhz



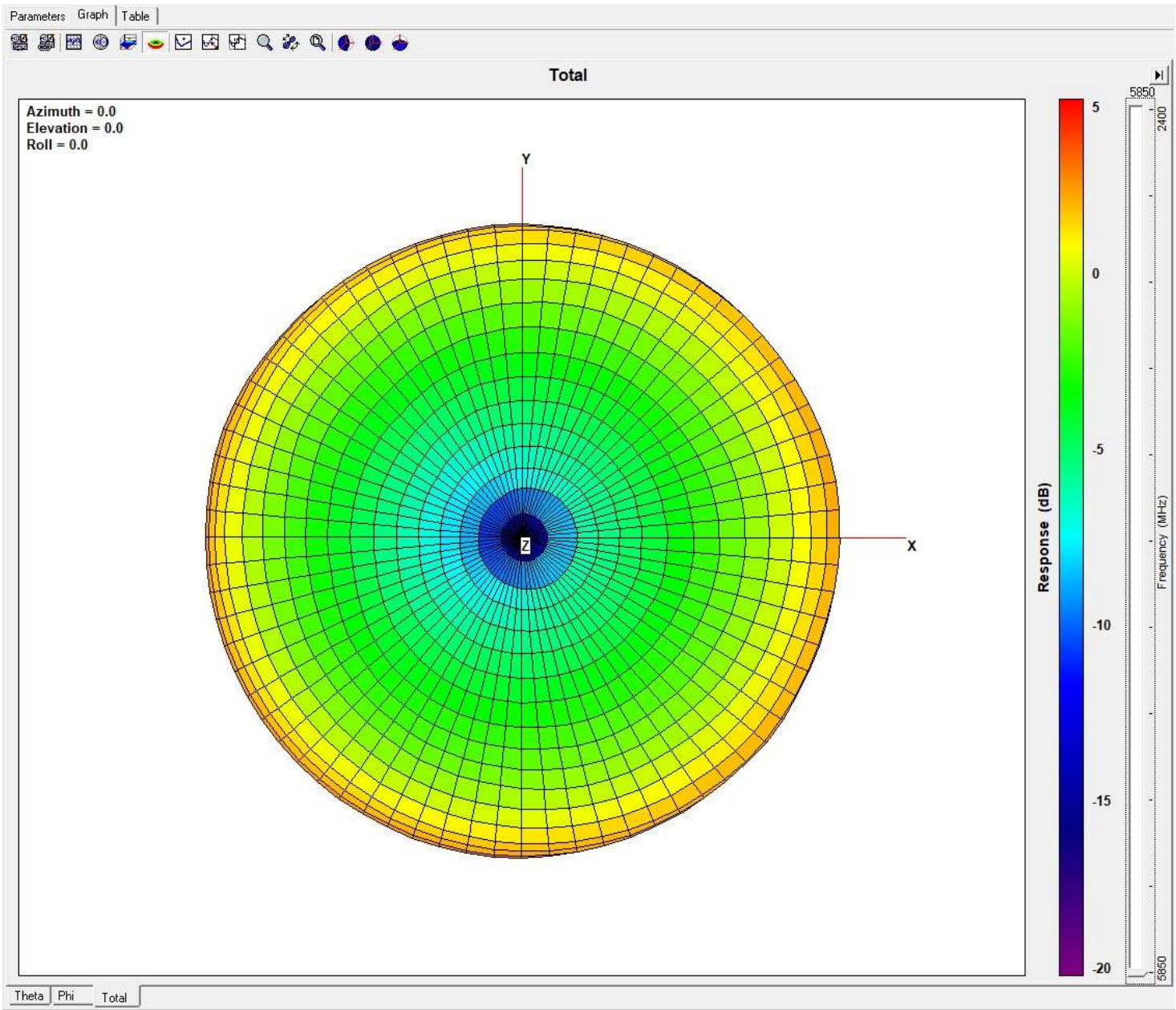
Center freq.(MHz): : 5650Mhz



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A | B | C | D | E

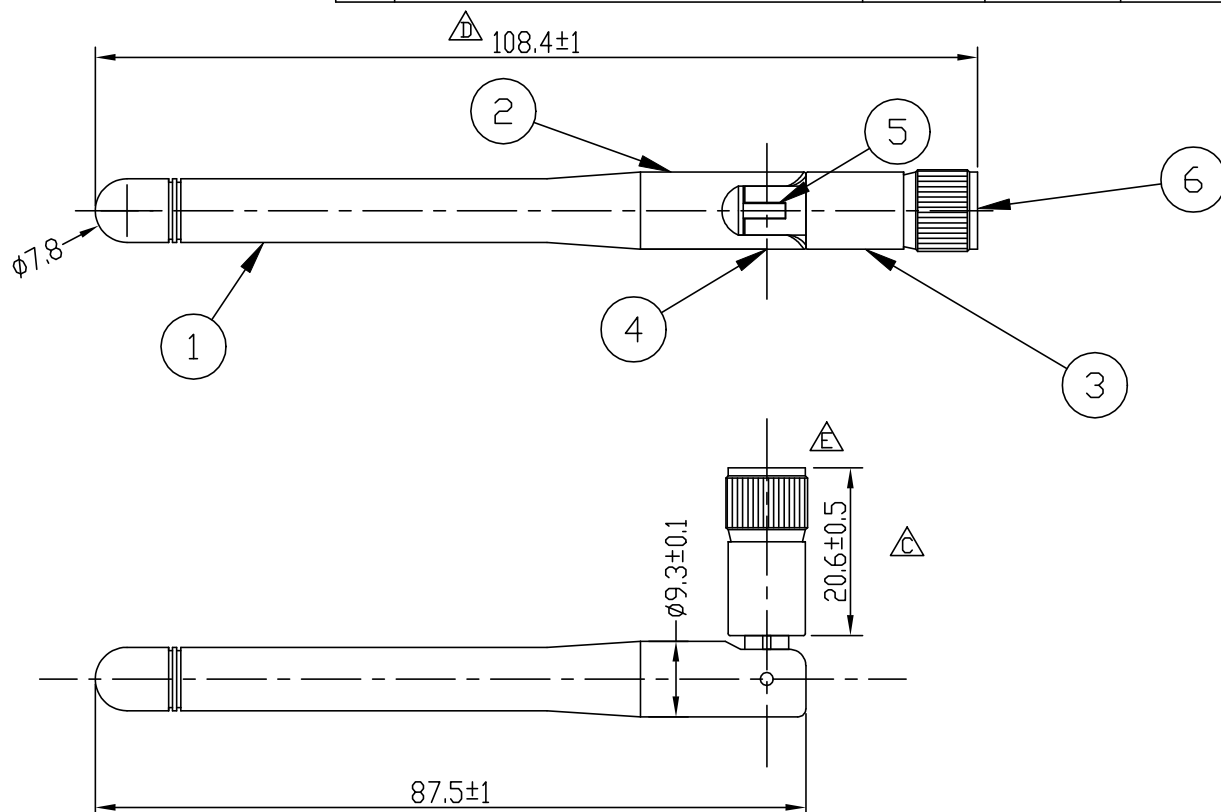
1

2

3

4

R E V I S I O N S				
REV	DESCRIPTION	LOCATION	DRAWN	DATE
	圖框更新		ALGER	2015/8/5
	20.2±1 -> 20.2 & ADD TOLERANCE	D2,D3	ALGER	2015/8/26
	尺寸修改 20.2 -> 20.6		ALGER	2019/4/11
	尺寸修改 108 -> 108.4		ALGER	2019/4/15
	New tolerance		ALGER	2021/10/26



6	N/A	CONNECTOR	SMA ST. PLUG REVERSE	N/A	1PCS
5	N/A	CABLE	RG178 50Ω	N/A	1PCS
4	N/A	RIVET	PDM;BLACK	N/A	2PCS
3	N/A	BOTTOM BASE	PBT;BLACK	N/A	1PCS
2	N/A	UPPER BASE	PC;j;BLACK	N/A	1PCS
1	N/A	ANTENNA CAP	TPE;j;BLACK	N/A	1PCS
ITEM	PART NO.	PART NAME	MATERIAL	DWG NO.	QT'Y

RANGE	TOLERANCE	BRITON			MODEL NAME	
X,xx	± 0.1	昀陽科技有限公司			WLAN ANTENNA	
X,x	± 0.2				TITLE:	
X	± 0.5	MATERIAL: SEE TABLE	DRAWN: ALGER	DATE: 2021/10/26	WLAN EXTERNAL ANTENNA	
		FINISH: WLAN ANTENNA	DESIGN: JOHN	DATE: 2021/10/26	SIZE: A4	PART NO. DB1DI-2AB(C)
		UNIT: mm	APPROVED: BRUCE	DATE: 2021/10/26	SCALE: 1:1	
					SHEET 1 OF 1	
THE 3RD PROJECTION					DWG NO. WLA-EX-2110-0012-E	
					REV.	E

MP-CAD-V02170323