

APPROVAL SHEET

擁瞬科技有限公司 YONG-SHUN TECHNOLOGY CO., LTD

Customers: 德聿佳工業股份有限公司

Date: 2011/5/3

Customer P/N	
Yong-Shun P/N	S01-XY31607
Production Description	Antenna
Version	0

Approved By Customer	Approved By Yong-Shun

Approve	Chief	Responsible
Hunter	Frank	Jimmy

YONG-SHUN Technology Co., LTD.

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Modification History:

REV.	Date	Content
0	2011/5/3	

F		E	D	C	B	A
Rev Zone		Description		ENG	Approved	Date

1		2		3		4	
1		2		3		4	
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F		E	D	C	B	A
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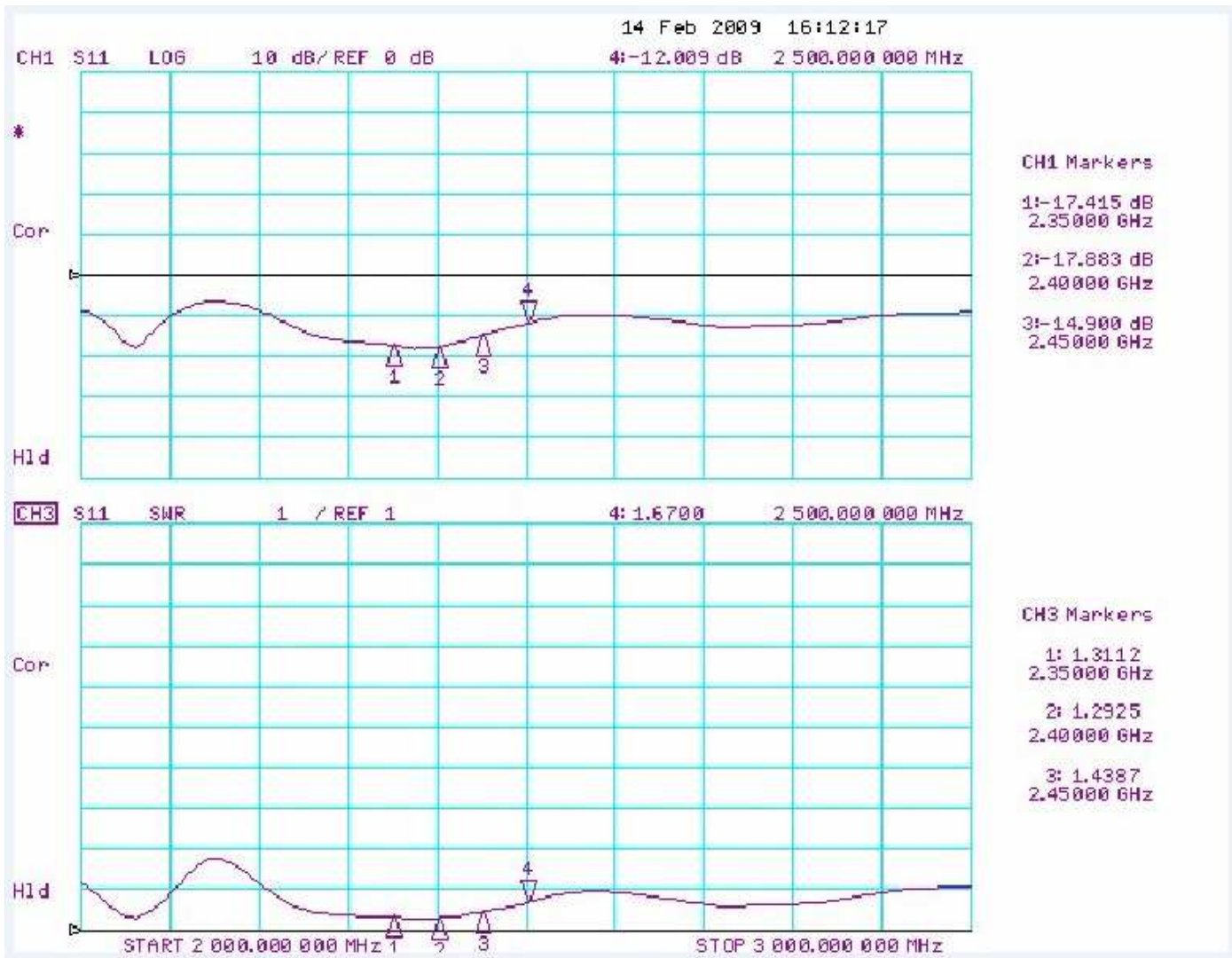
Electrical Properties

Frequency range	2.4GHz~2.5GHz
Impedance	50Ω
V.S.W.R	≤2.0
Radia tion	Omni-directional
Gain	3dBi
Polarization	Vertical

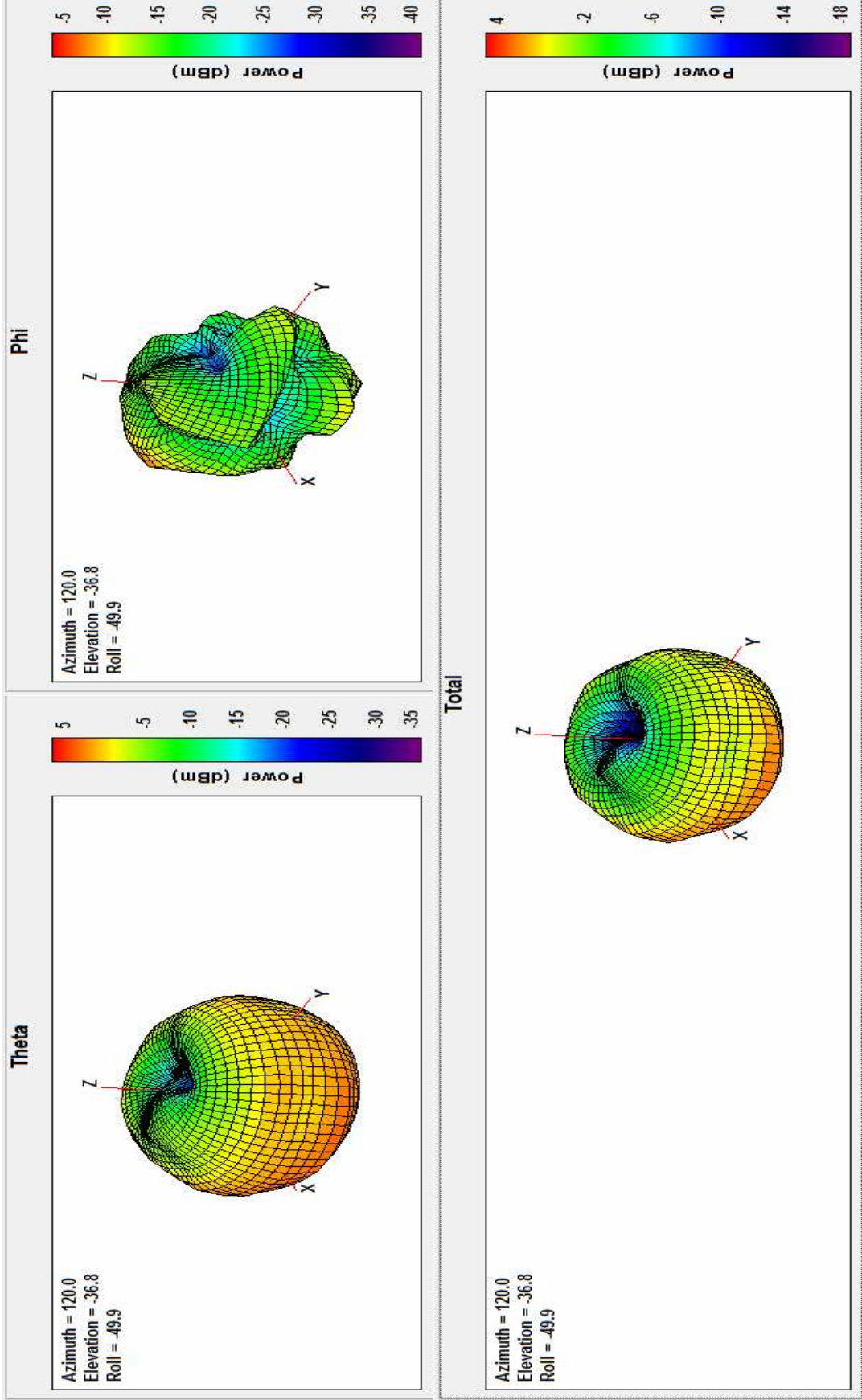
Mechanical Properties

Whip	PC/PBT/TPEE
Standard connector	Reverse SMA Plug
Weight	11±0.5g
Operating Temp	-20°C+65°C

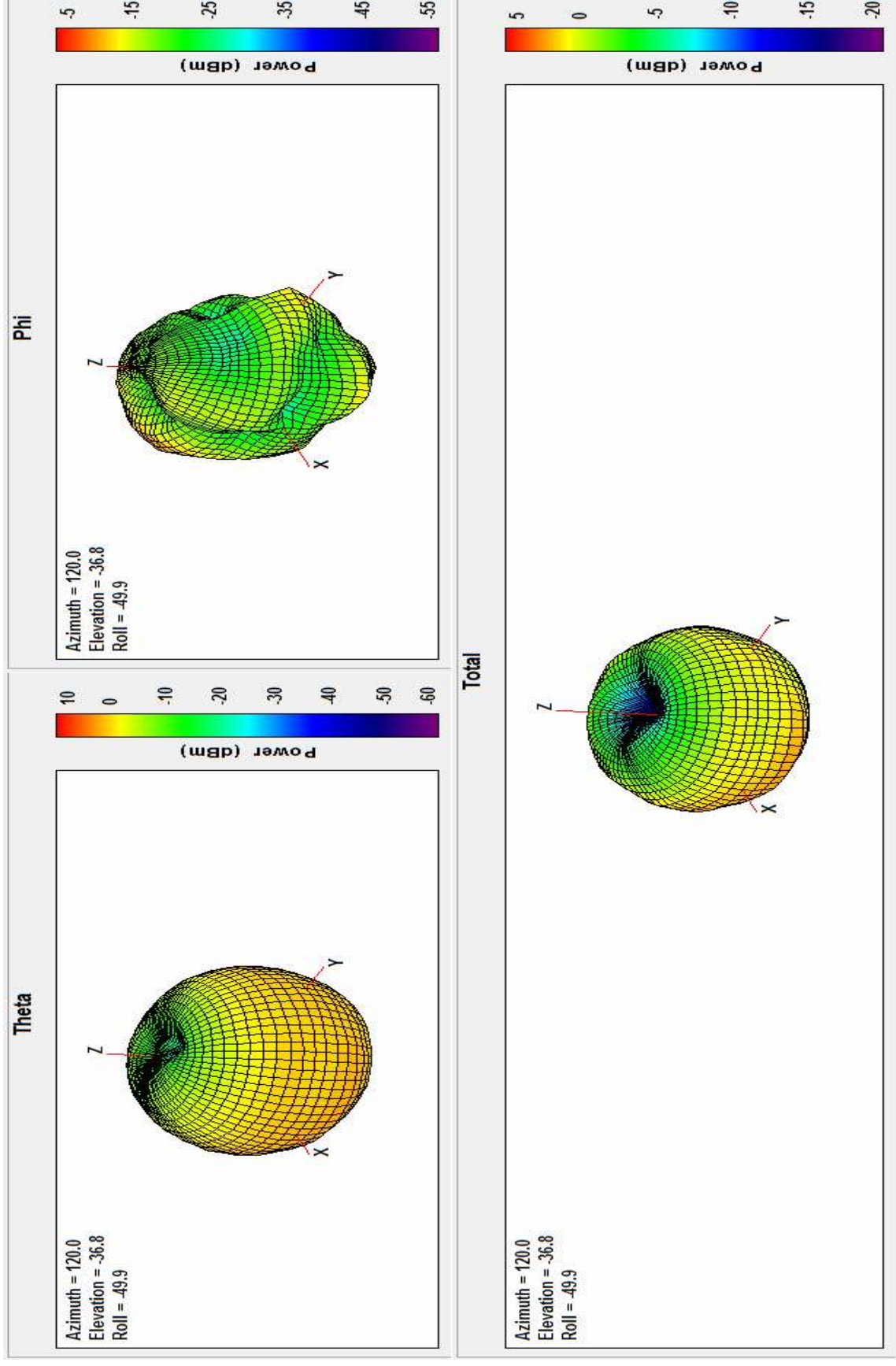
Electrical Test



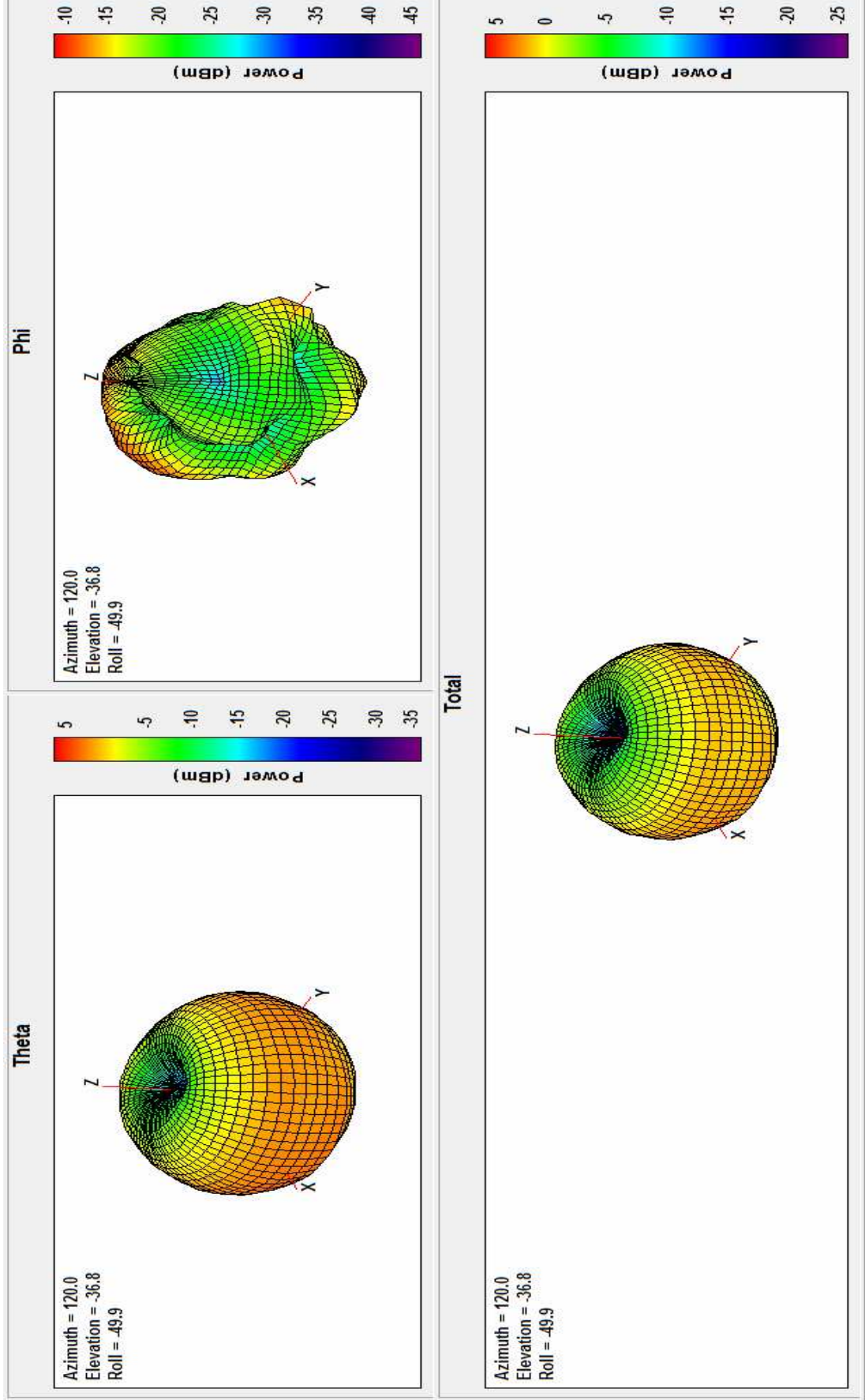
2350MHZ



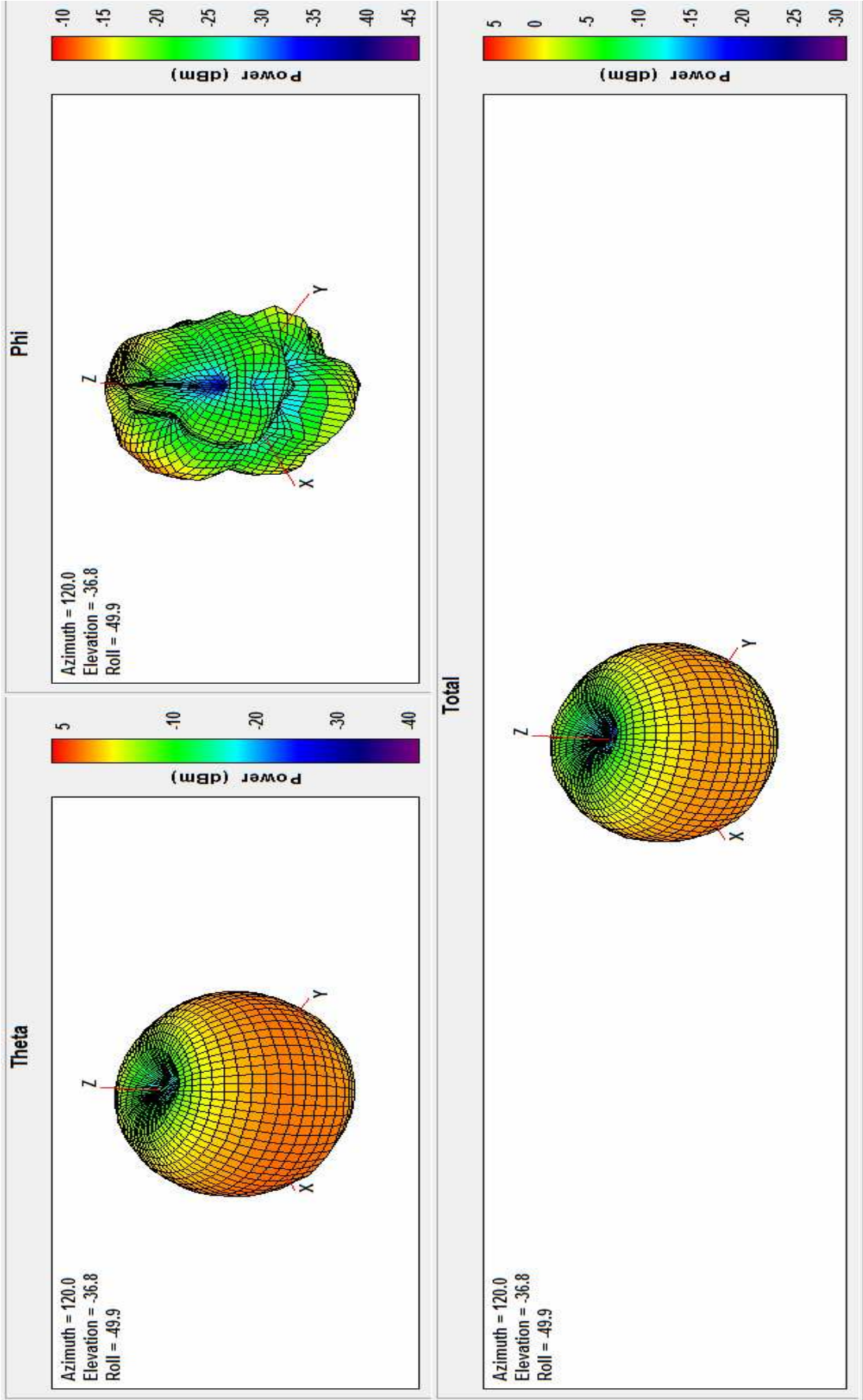
2400MHZ



2450MHZ



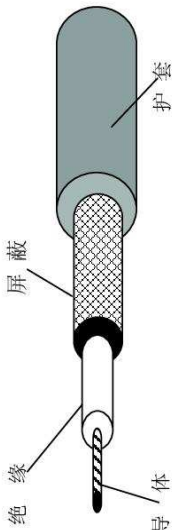
2500MHZ



Antenna Efficiency

Frequency (MHz)	2350	2400	2450	2500
Directivity (dBi)	4.44	4.18	3.96	3.97
Efficiency (%)	77.68	81.01	83.50	85.48
Gain (dBi)	3.0	3.0	3.0	3.0
Average Gain (dB)	-1.51	-1.25	-1.11	-1.16

線材規格
CABLE SPECIFICATION

電 纜 名 稱		RG178		截 面 圖	
項 目		規 格			
導 體	材料	鍍銀銅絲			
	導體規格	7/0.10±0.003mm			
	參考外徑	0.30mm			
絕 緣	材料	聚四氟乙烯 (PTFE)			
	絕緣平均最小厚度	0.57mm			
	最薄點厚度	0.52mm			
編 織	線徑	0.87±0.06mm		顏 色	
	材料	鍍銀銅絲			
	導體規格	48/3/0.10			
护 套	參考外徑	0.27±0.05mm		備 注	
	材料	聚全氟乙烯 (FEP)			
	絕緣平均最小厚度	0.3mm			
	最薄點厚度	0.25mm			
	線徑	1.78±0.08mm			
		機 械 物 理 性 能		參照標準: 國軍標M17	
1.特性阻抗 (Ω) : 50 Ω 2.實驗電壓: 2kv 3. 額定溫度: -55℃~+200℃ 4.火花電壓: 3kv 5.操作頻率: 1GHz 6.電容量: 95pF/m 7.信號傳輸速度: 69%		8.延遲: 4.86ns/m		蘇州市相城區正旭線纜有限公司	
		9. 導體電阻: ≤360 Ω / KM			
		10.屏蔽率: >40Db(1GHz)			
		11.操作電壓: 0.85KVrms			
		12.操作電壓: 1KV			
		頻率MHz	衰減dB/m	功率watts	
		2000	2.37	45	
3000	2.91	34			
4000	3.36	30			
5000	3.76	26			
		批 准		豐建華	欣協
		申 核		唐惠倫	ZX09080303
		編 制		顧瑛英	2009/8/3