

No.1010-003

天線客服報告書

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天線增益如下表所示：

Gain Table

Unit in dBi @2.45GHz	XY-plane		XZ-plane		YZ-plane		Efficiency
	Peak	Avg.	Peak	Avg.	Peak	Avg.	
Printing antenna	-2.9	-4.4	-4.4	-7.5	-3.2	-7.3	21.6%

場型及各項量測方法、結果

A. 儀器設定

▲返回損耗(Return Loss) / 駐波比(VSWR):

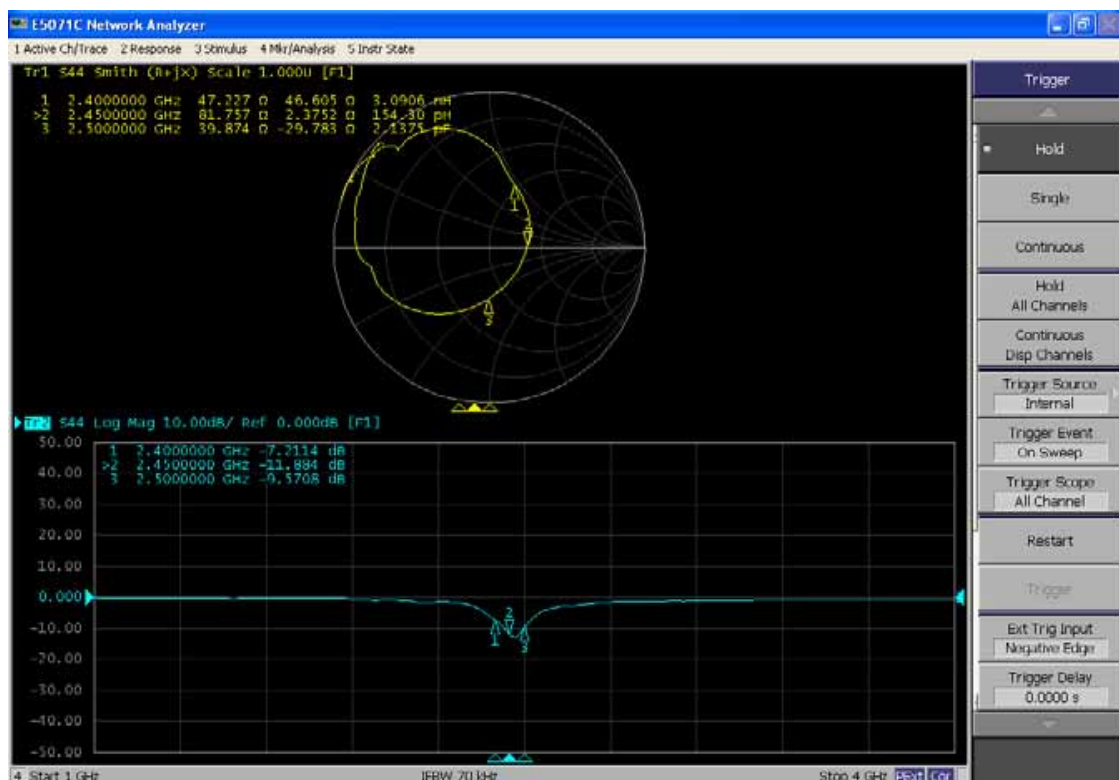
◆量測儀器: vector network analyzer – Agilent E5071C

◆校正方法: open/short/load – Cal. Kit 85052D

▲3D Radiation Pattern :

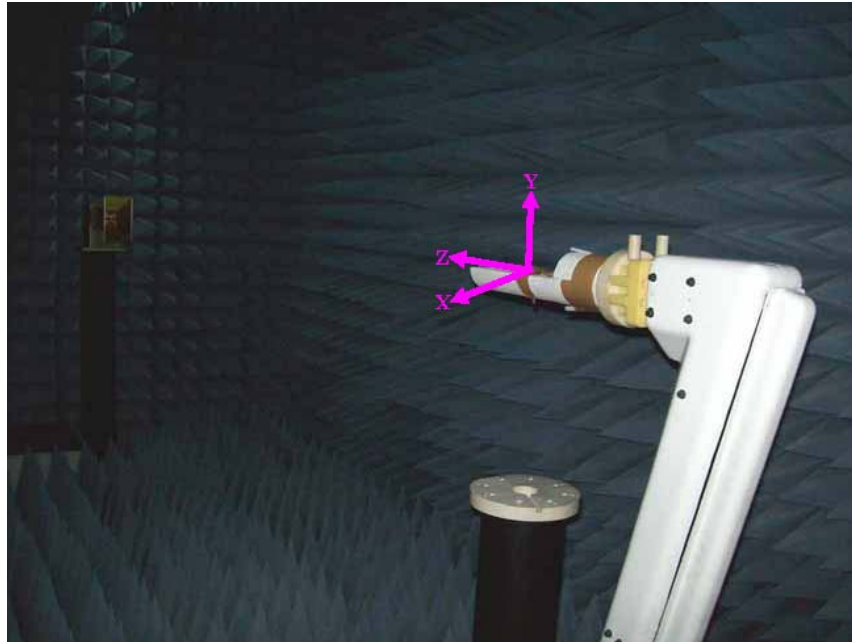
◆NSI 800F-10 Far Field antenna measurement system

B. printing antenna 之返回損耗 (Return Loss) 量測值



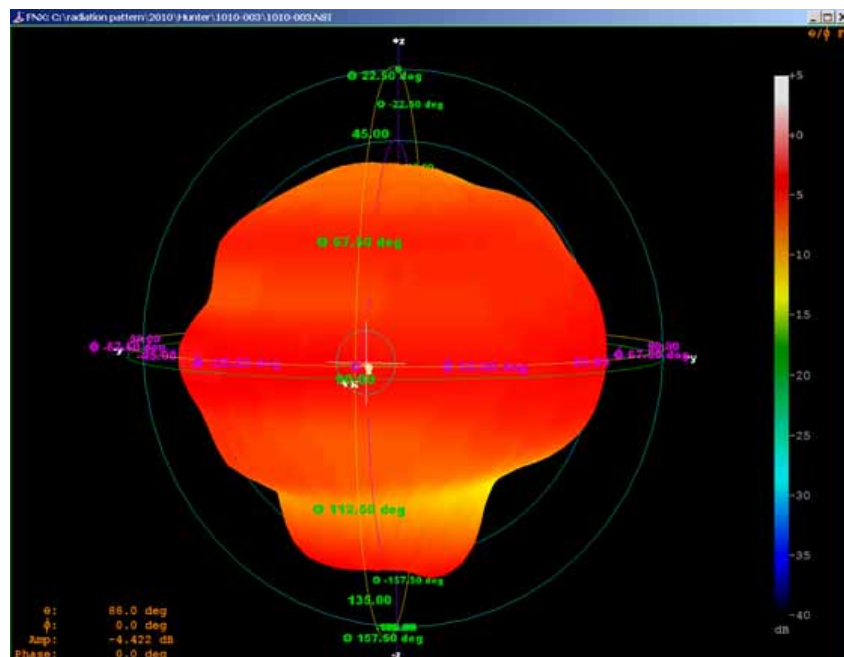
D. 輻射場型圖

- ◆ 量測座標圖
- ◆ 各平面定義
- ◆ 3D 輻射場型圖



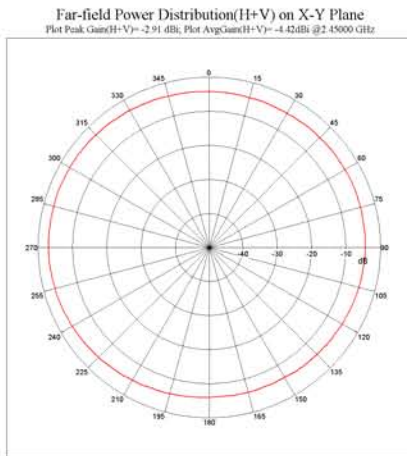
XY-plane	Theta=90°
XZ-plane	Phi=0°
YZ-plane	Phi=90°

Printing antenna



Printing antenna 之 2D 輻射場型圖

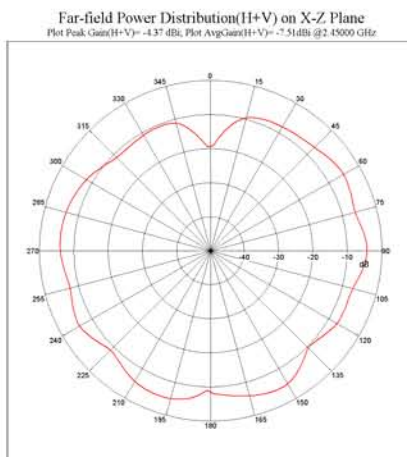
◆XY-plane



Unit : dBi

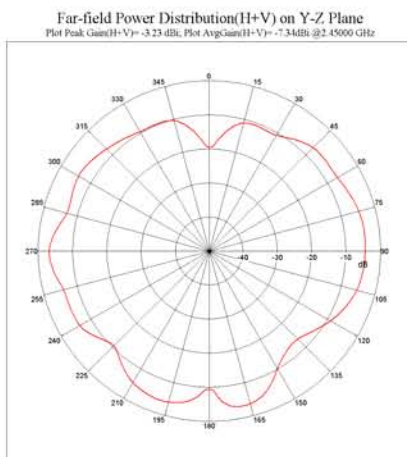
	Peak gain	Avg. gain
XY-plane	-2.9	-4.4

◆XZ-plane



	Peak gain	Avg. gain
XZ-plane	-4.4	-7.5

◆YZ-plane



	Peak gain	Avg. gain
YZ-plane	-3.2	-7.3