

No.1101-002

天線客服報告書

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日期：2011/01/05

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1.目的:

針對 printing antenna 做場型量測。

2.結論與建議:

2.1 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	-16.5	-18.8	-15.3	-19.7	-17.3	-20.8	1.1%

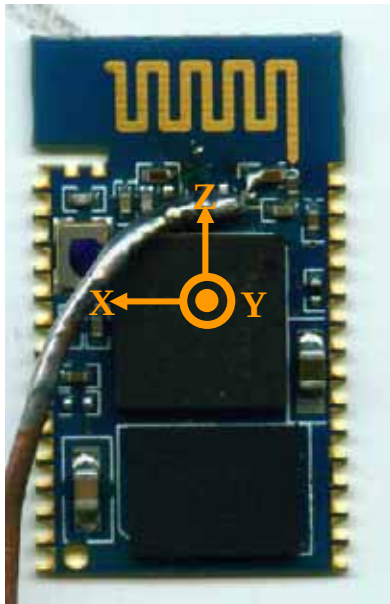
2.2 結論與建議:

printing antenna 經場型量測後天線增益如上表所示，建議客戶可先進行實測。

4.場形及各項量測方法、結果：詳見附件 3

1.樣品外觀圖

Printing antenna



3.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):

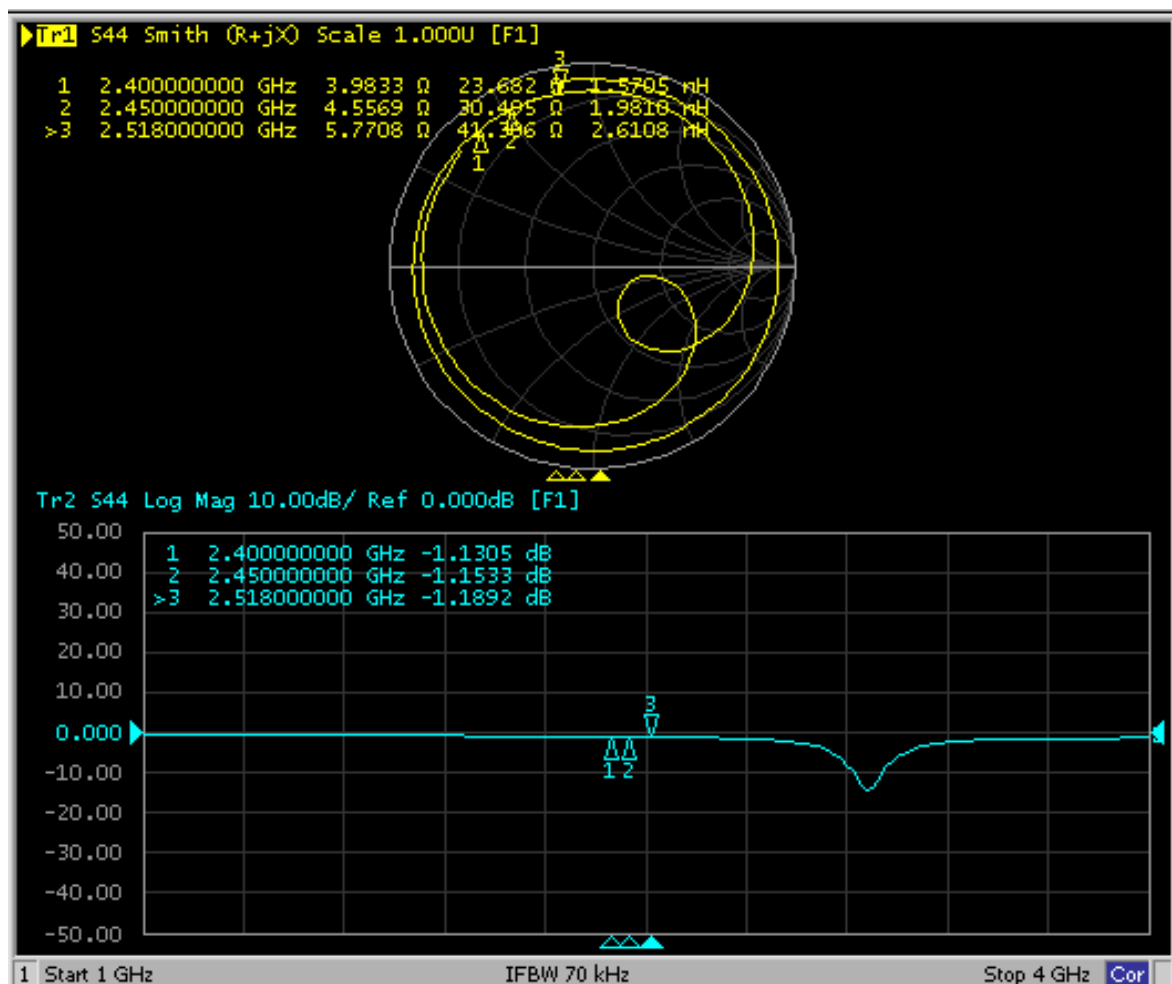
◆量測儀器 : vector network analyzer – agilent E5071A

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

▲3D Radiation Pattern :

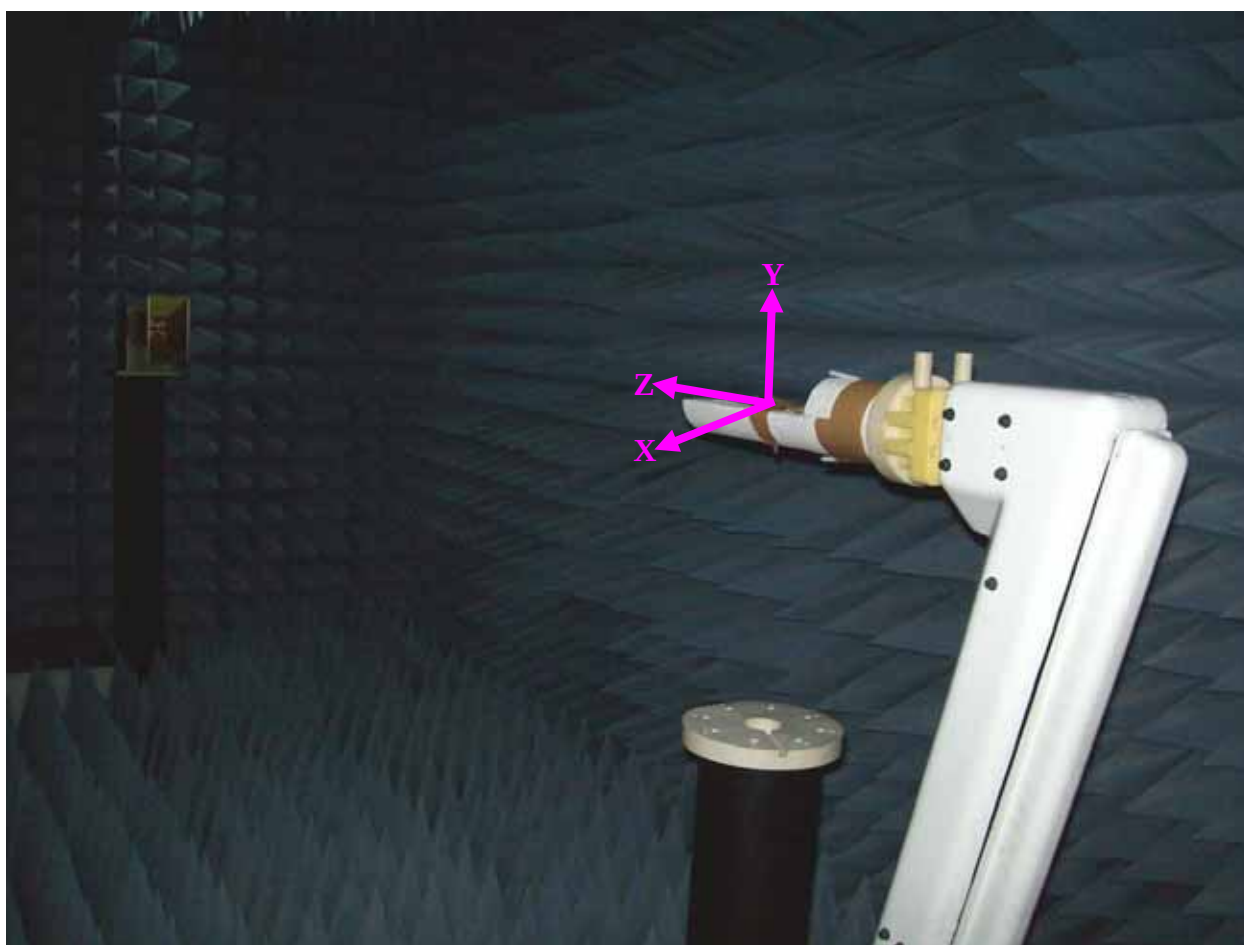
◆NSI 800F-10 Far Field antenna measurement system

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



C. 輻射場型圖

◆ 量測座標圖



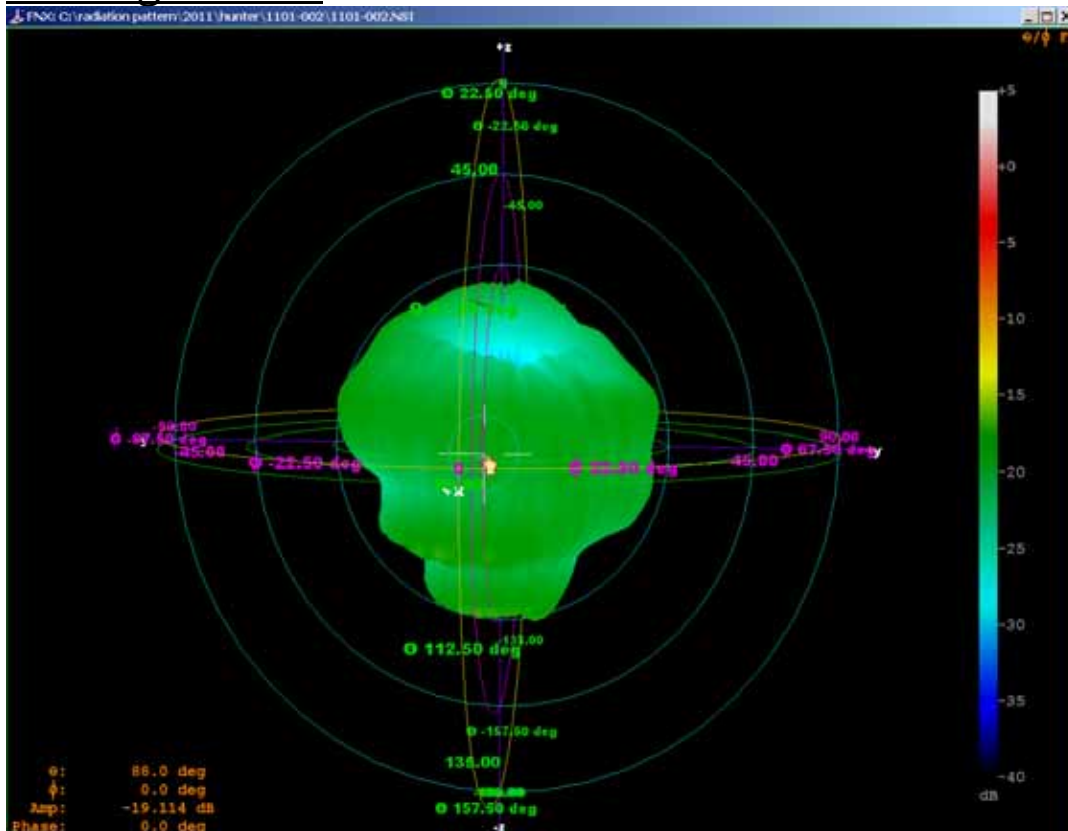
◆ 各平面定義

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

◆3D 輻射場型圖

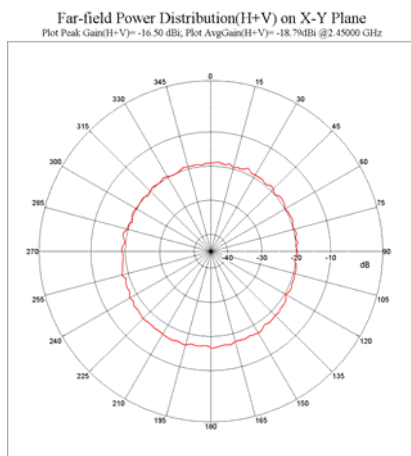
Printing antenna

ACX
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Printing antenna 之 2D 輻射場型圖

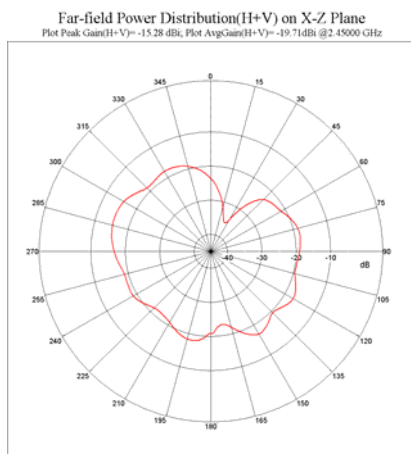
XY-plane



Unit : dBi

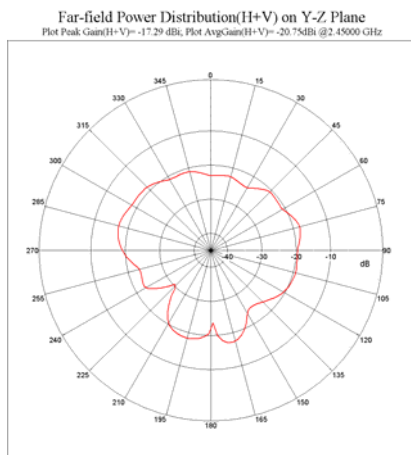
	Peak gain	Avg. gain
XY-plane	-16.5	-18.8

XZ-plane



	Peak gain	Avg. gain
XZ-plane	-15.3	-19.7

◆YZ-plane



	Peak gain	Avg. gain
YZ-plane	-17.3	-20.8