

No.1102-009

ANTENNA Test Report

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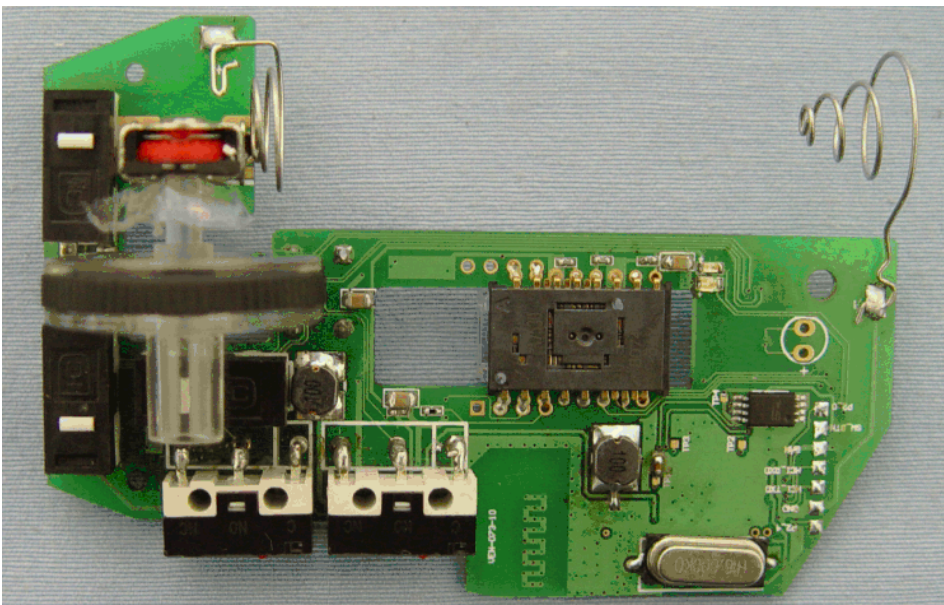
<http://www.acxc.com.tw>

Antenna Gain

Gain Table

Unit in dBi @ 2.45GHz	XY-plane		XZ-plane		YZ-plane		Efficiency
	Peak	Avg.	Peak	Avg.	Peak	Avg.	
printing antenna	-1.2	-3.2	-0.5	-4.9	-2.1	-4.7	40.9%

Sample



3. Test Setup & Test Result

A. Equipment Setup

▲ Test item : Return Loss / VSWR

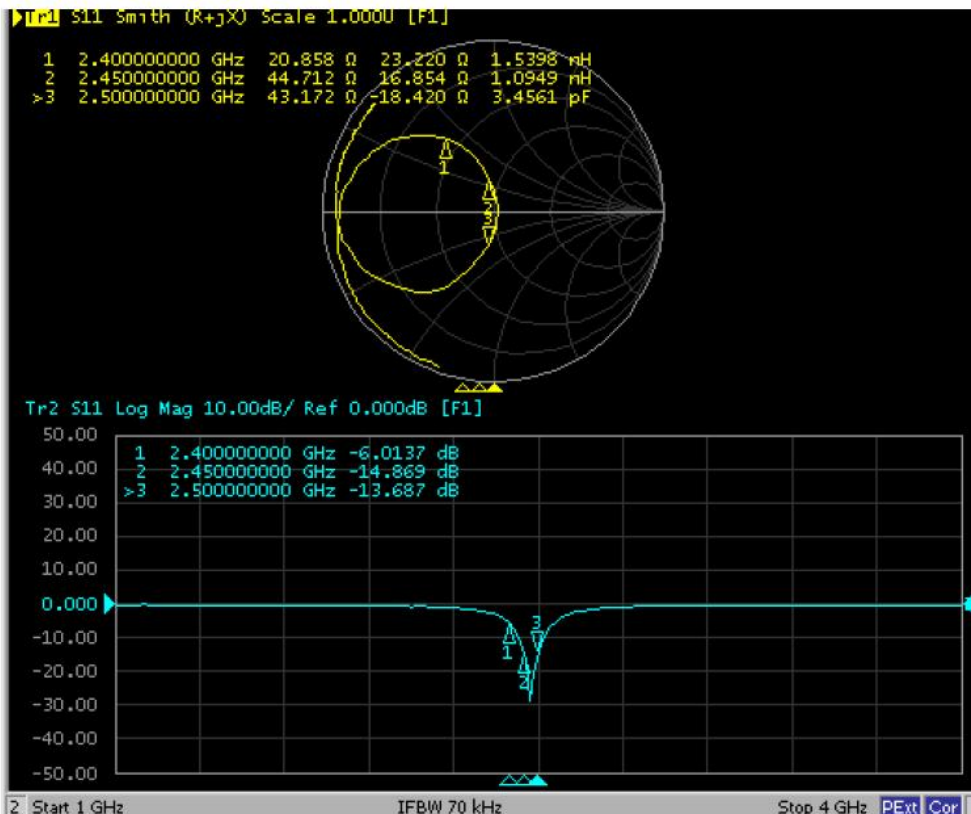
◆ Equipment : vector network analyzer – Agilent E5071C

◆ Calibration : open/short/load – Cal. Kit 85052D

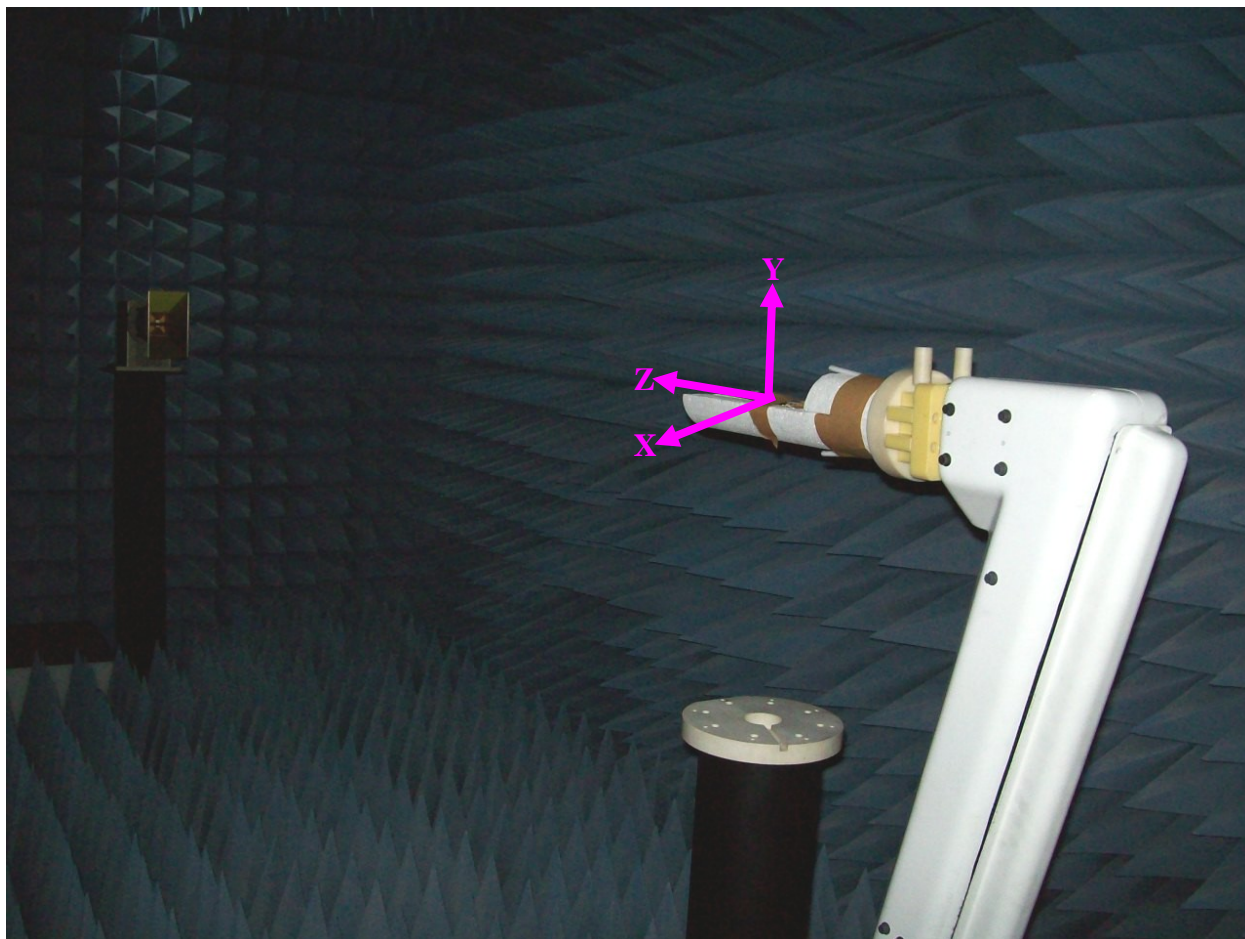
▲ 3D Radiation Pattern :

◆ NSI 800F-10 Far Field antenna measurement system

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



◆ Test Setup

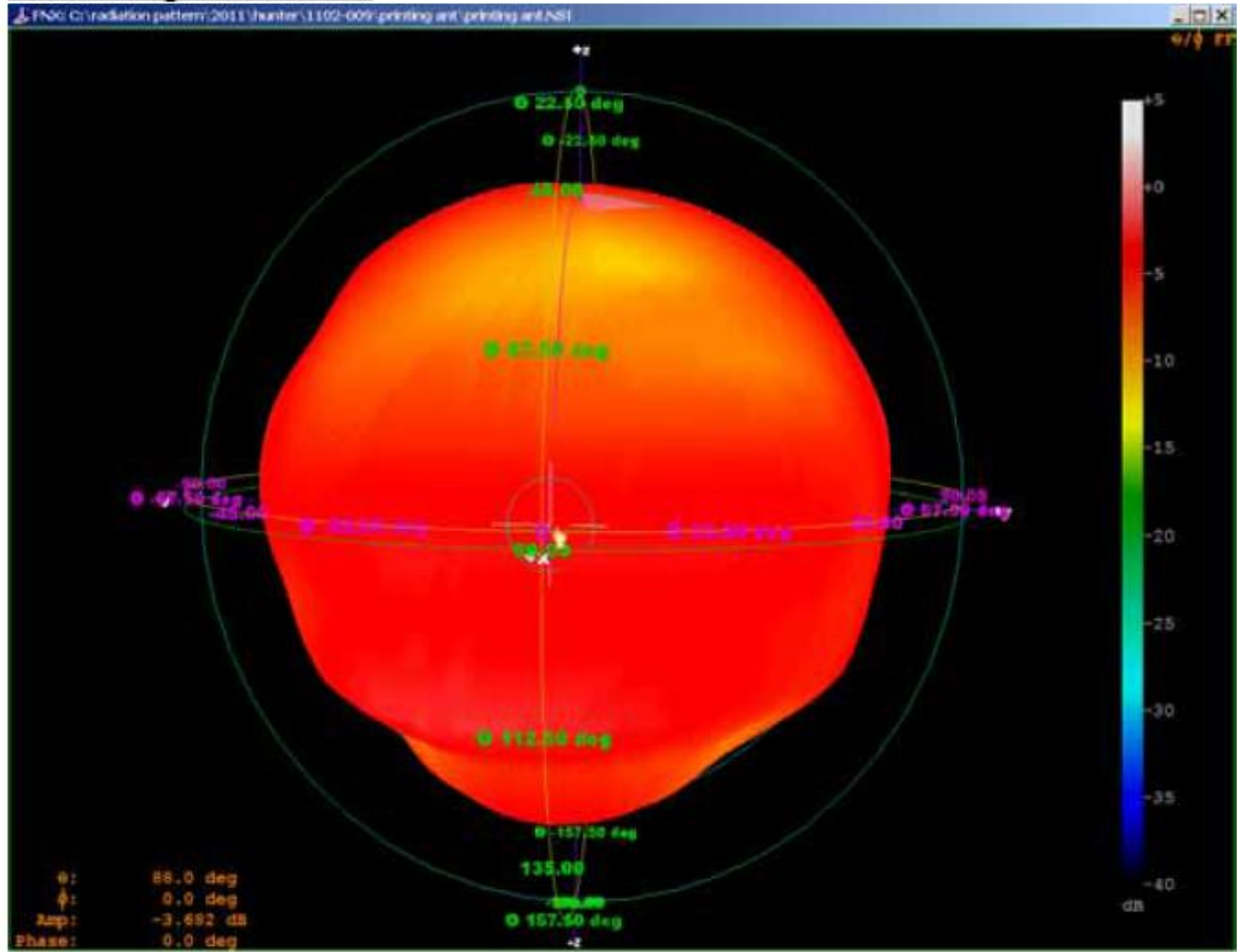


◆ Plane Definition

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

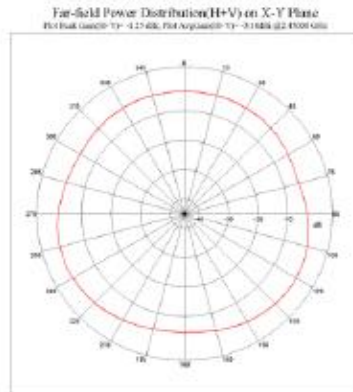
◆ 3D 輻射場型圖

Printing antenna



Printing antenna 之 2D 輻射場型圖

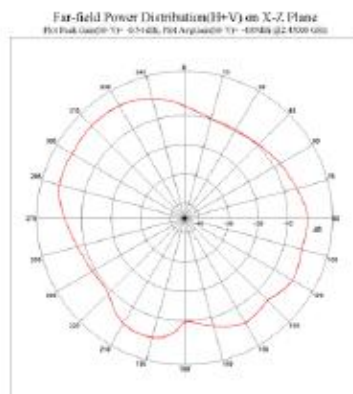
◆XY-plane



Unit : dBi

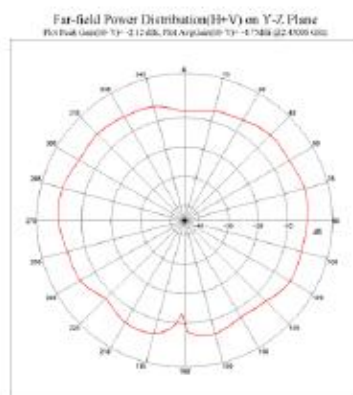
	Peak gain	Avg. gain
XY-plane	-1.2	-3.2

◆XZ-plane



	Peak gain	Avg. gain
XZ-plane	-0.5	-4.9

◆YZ-plane



	Peak gain	Avg. gain
YZ-plane	-2.1	-4.7