PIFA Antenna

Specification

1. Electrical Properties With housing

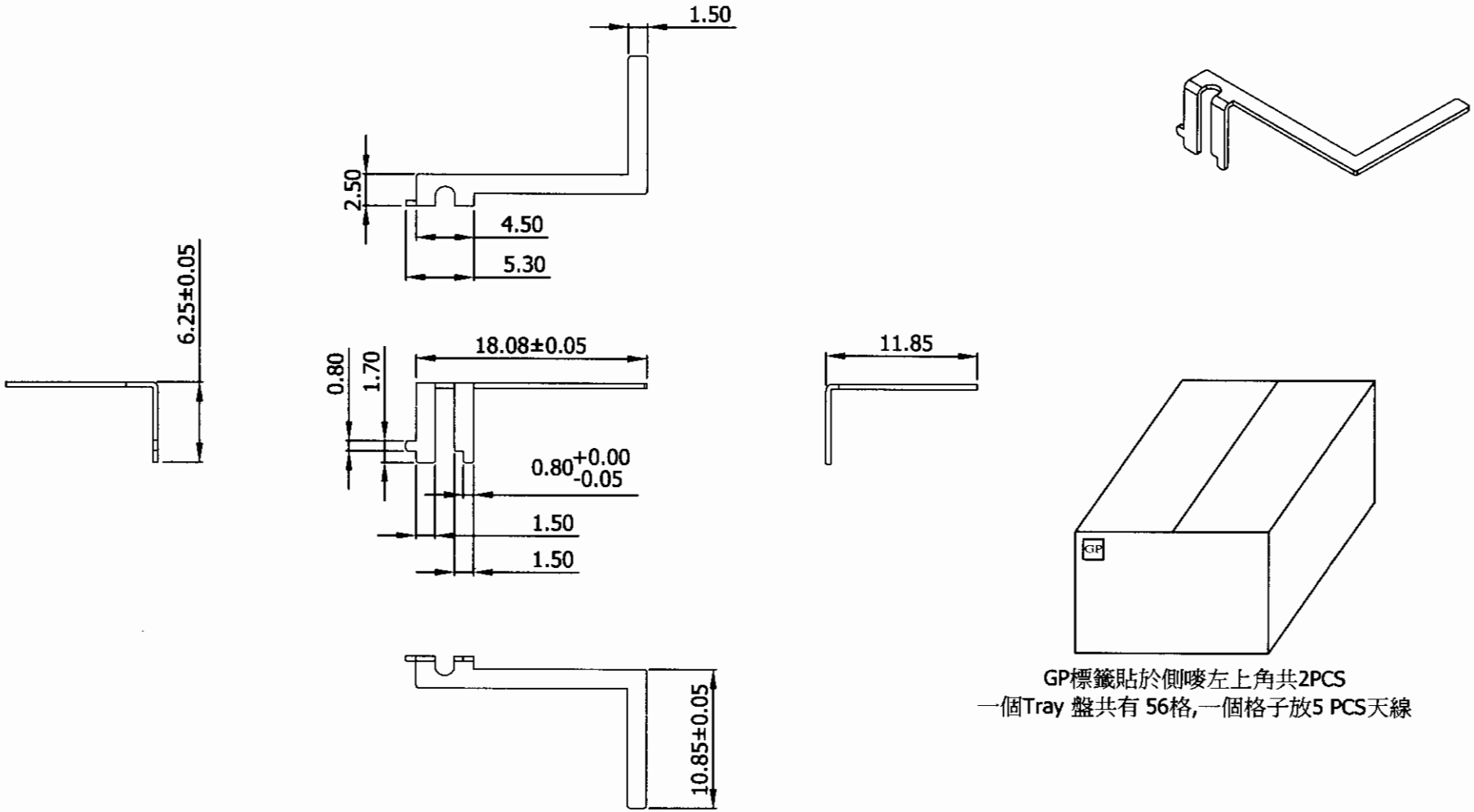
1.1 Frequency Range……2.4GHz ~ 2.5GHz
1.2 Impedance ……50Ω Nominal
1.3 VSWR ……3:1 Max.
1.4 Return Loss……-6 dB Max.
1.5 Radiation ……Omni-directional
1.6 Gain(peak)……2.9dBi (excluding cable loss)
1.7 Polarization……Linear ; Vertical
1.8 Admitted Power…… 1W

2. Physical Properties :

2.1 Operating Temp. ……-20℃ ~ +65℃
2.2 Storage Temp. ……-30℃ ~ +75℃

CG-

REV	DATE	DESCRIPTION
X1	4/28-2009	New Issue



GP標籤貼於側嗖左上角共2PCS
一個Tray 盤共有 56格,一個格子放5 PCS天線

NO	DESCRIPTION	Q'ty	REMARK
1	PIFA Antenna 洋白銅 T=0.4mm	1	

XX.	±5
X.	±3.0
.X	±1.0
.XX	±0.5
.XXX	±0.1

APPROVED
CHECKED
DRAWING

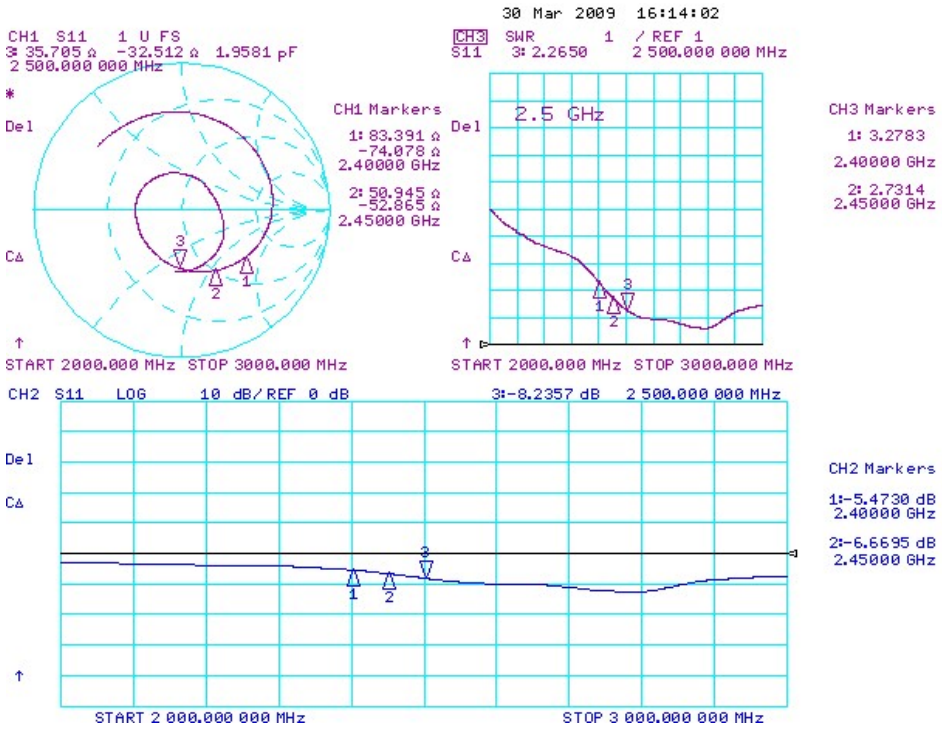
CUSTOMER'S SINGATURE

CUSTOMER:	永洋		
PART NO :	11320Y11035A1		
PARTNAME:	PIFA Antenna		
W.Y P/NO :	C381-510152-A		
REV	UNIT	FILE :	SSR-91246
X1	m/m	SHEET :	1/1

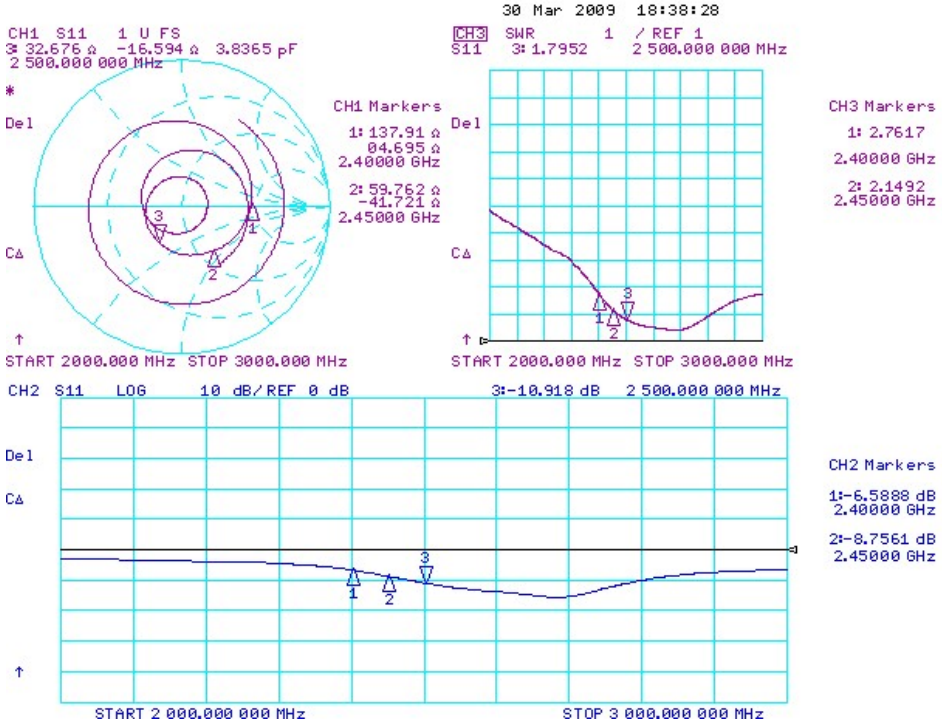
M.gear Wha Yu Group

一、 Return Loss & VSWR

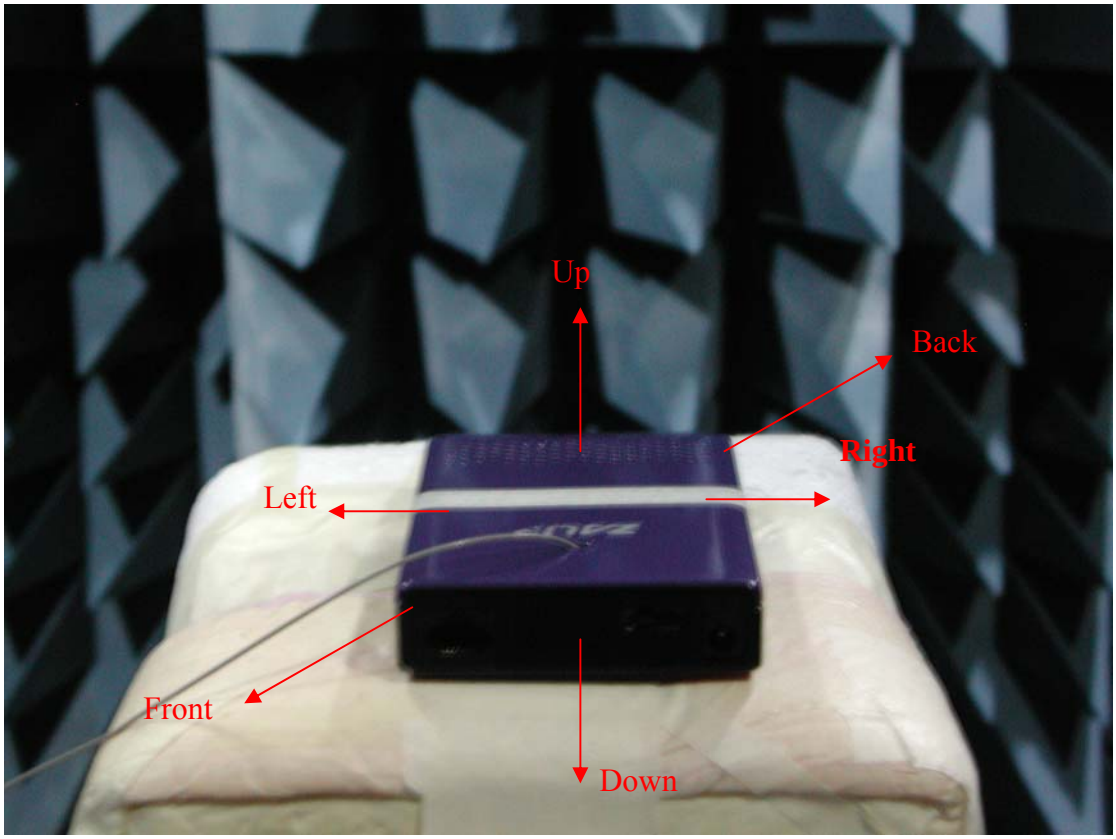
01(原本天線)

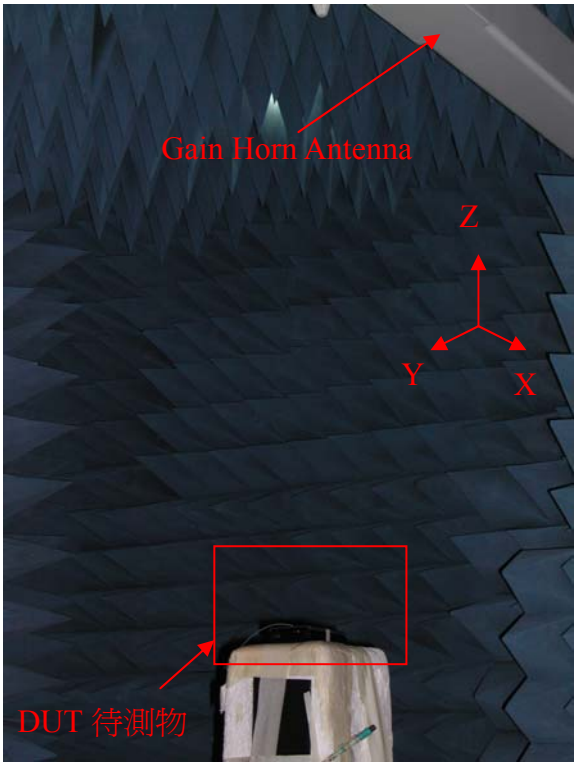


02(更換另一隻天線)



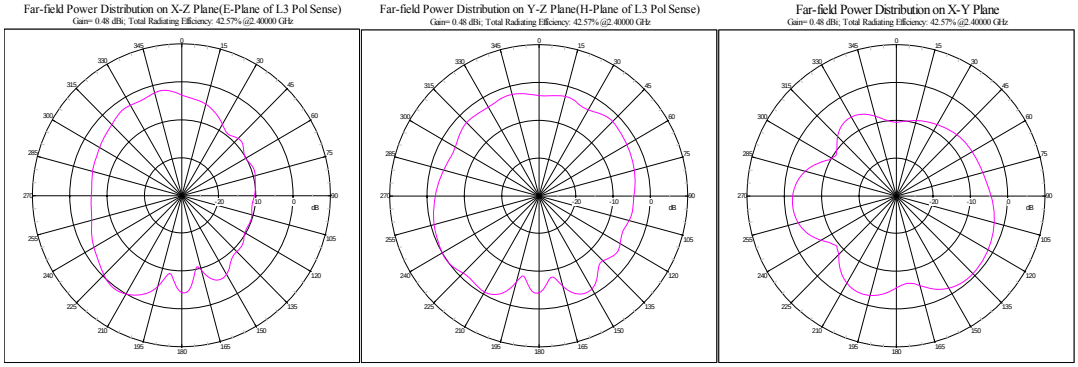
二、 Radiation Pattern Measurement



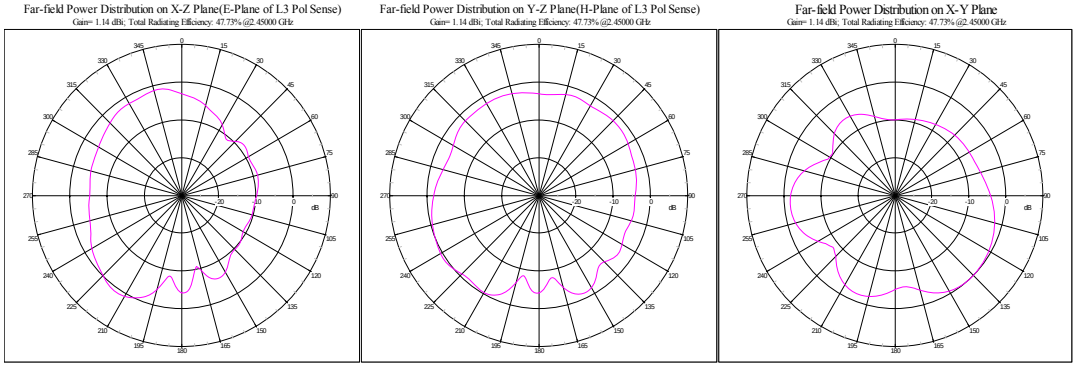


	XY	YZ	XZ
0°	Right	Up	Up
90°	Back	Back	Right
180°	Left	Down	Down
270°	Front	Front	Left

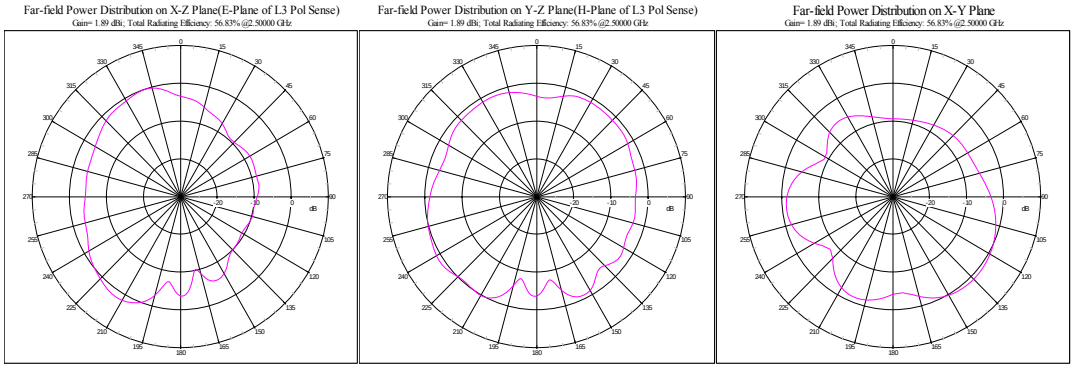
01(原本天線)



2.4GHz　　Gain：0.48dBi　　Efficiency：42.57%

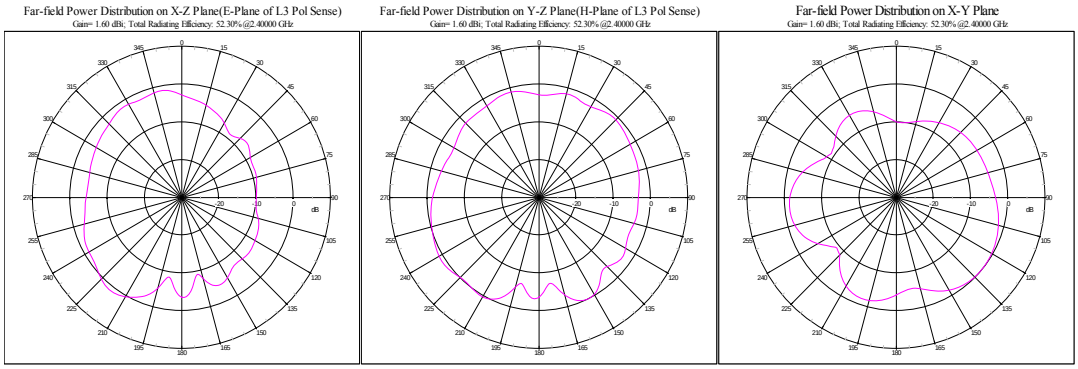


2.45GHz　　Gain：1.14dBi　　Efficiency：47.73%

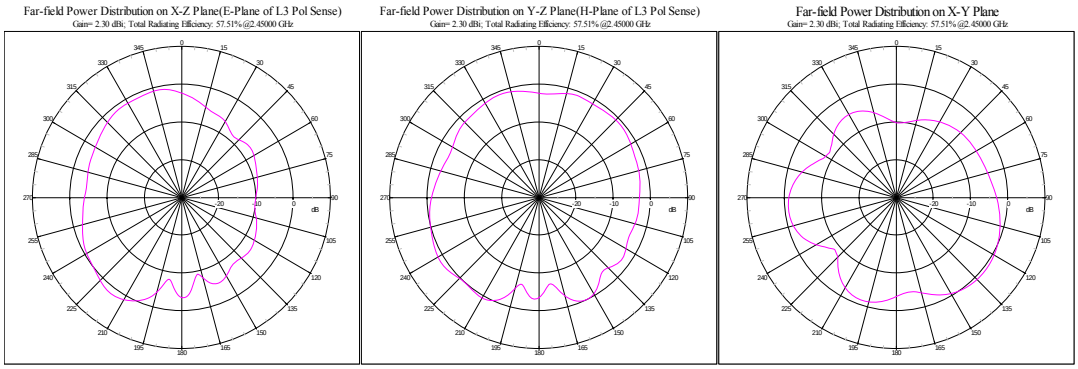


2.5GHz　　Gain：1.89dBi　　Efficiency：56.83%

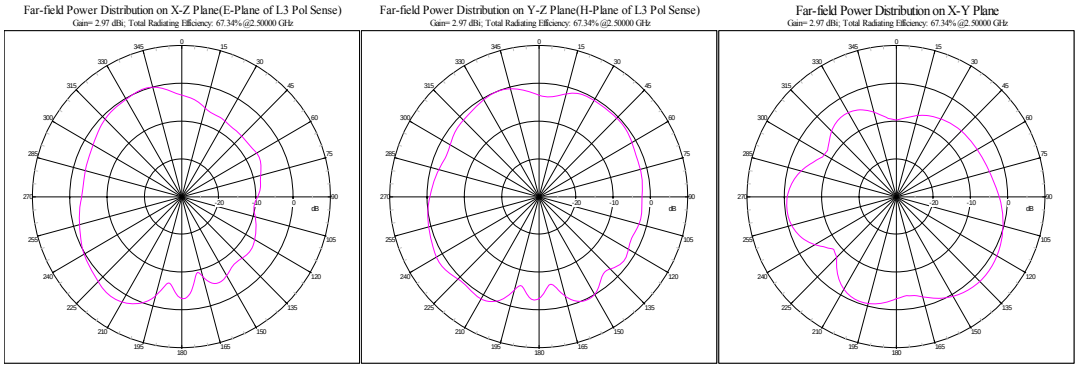
02(更換另一隻天線)



2.4GHz　　Gain：1.60dBi　　Efficiency：52.30%



2.45GHz　　Gain：2.30dBi　　Efficiency：57.51%



2.5GHz　　Gain：2.97dBi　　Efficiency：67.34%

三、Test Value

1-1 Return Loss

	01 (原本的天線) (dB)	02(更換另一隻天線) (dB)
2.40 GHz	-5.4730	-6.5888
2.45 GHz	-6.6695	-8.7561
2.50 GHz	-8.2357	-10.918

1-2 Peak Gain

01(原本天線)

2.4GHz

	Gain (dBi)	Efficiency (%)
2.4GHz	**0.48**	**42.57**
2.45GHz	**1.14**	**47.73**
2.5GHz	**1.89**	**56.83**

02(更換另一隻天線)

2.4GHz

	Gain (dBi)	Efficiency (%)
2.4GHz	**1.60**	**52.30**
2.45GHz	**2.30**	**57.51**
2.5GHz	**2.97**	**67.34**