

DATE : Jul.16.2004

CUSTOMER: CLEVO CO.

TEST REPORT

MODEL	M120C
DESCRIPTION	PIFA For Bluetooth Antenna
SUPPLIER P/N	
CUSTOMER P/N	
FILE P/N	

FAVORTRON			Customer	
Manager	Supervisor	Engineer		
				



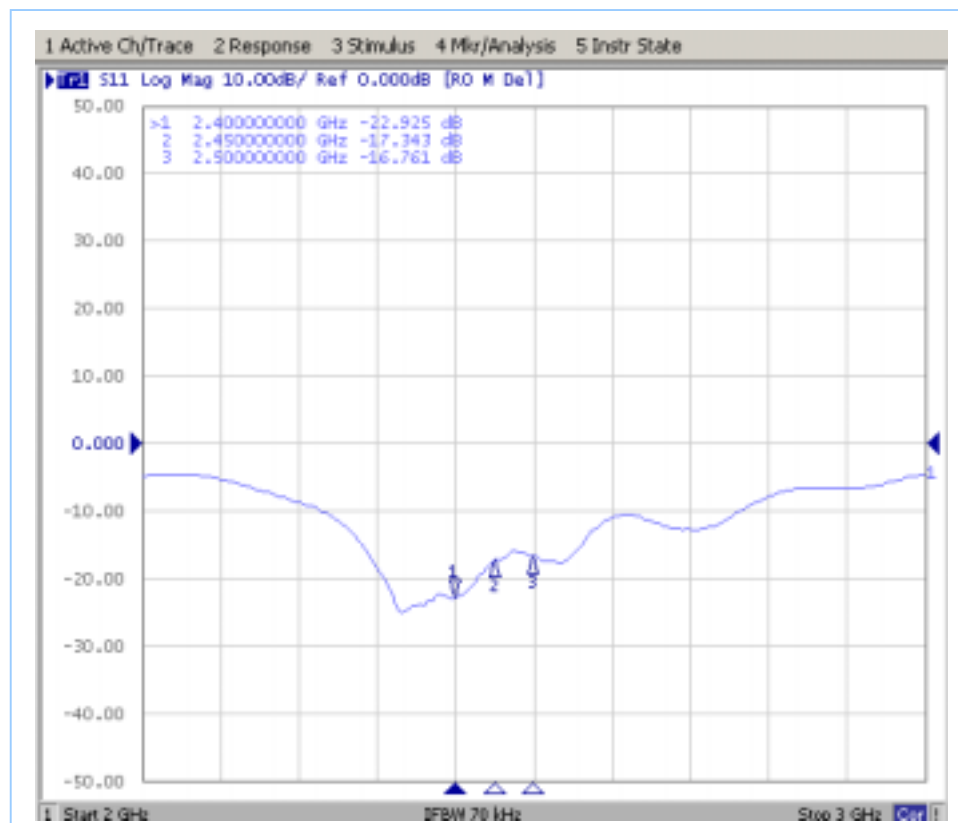
惠寶電子股份有限公司
FAVORTRON CO., LTD

台北縣中和市中正路 866 號 17F TEL: (02) 8227-5669

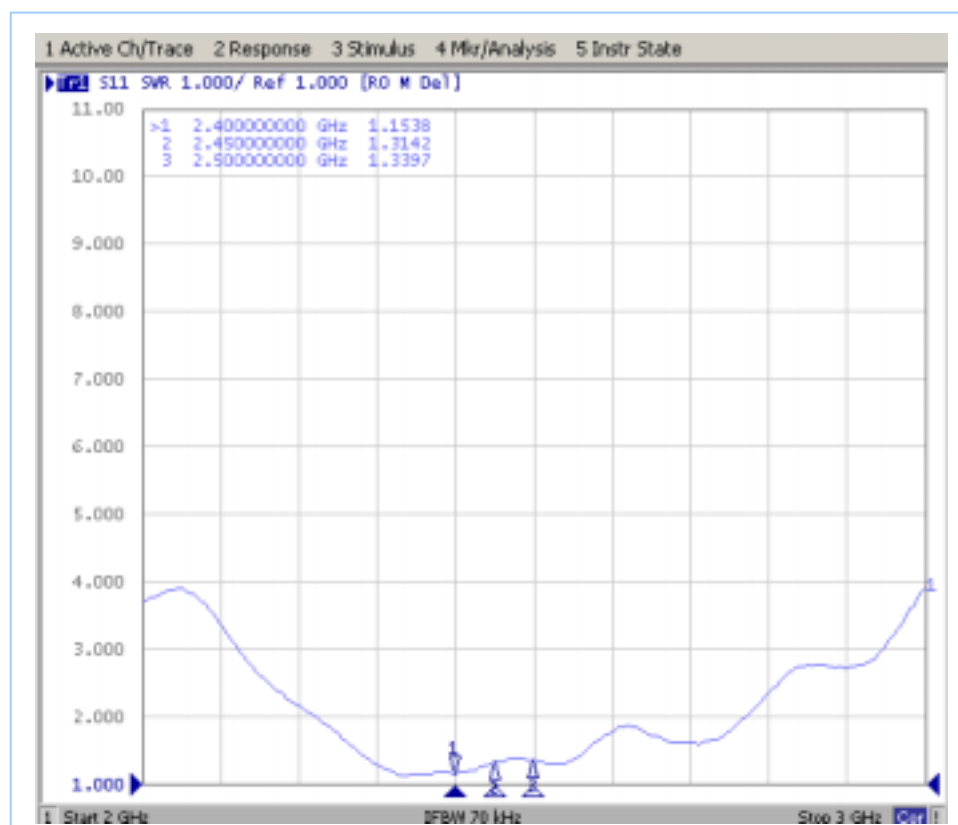
17nd F, no. 866, Zhong Zheng Rd., FAX: (02) 8227-5667
Zhong He City, Taipei Hsien, Taiwan R.O.C

1. B/T Ant./In Notebook (LEFT)

2.4~2.5GHz / Return Loss

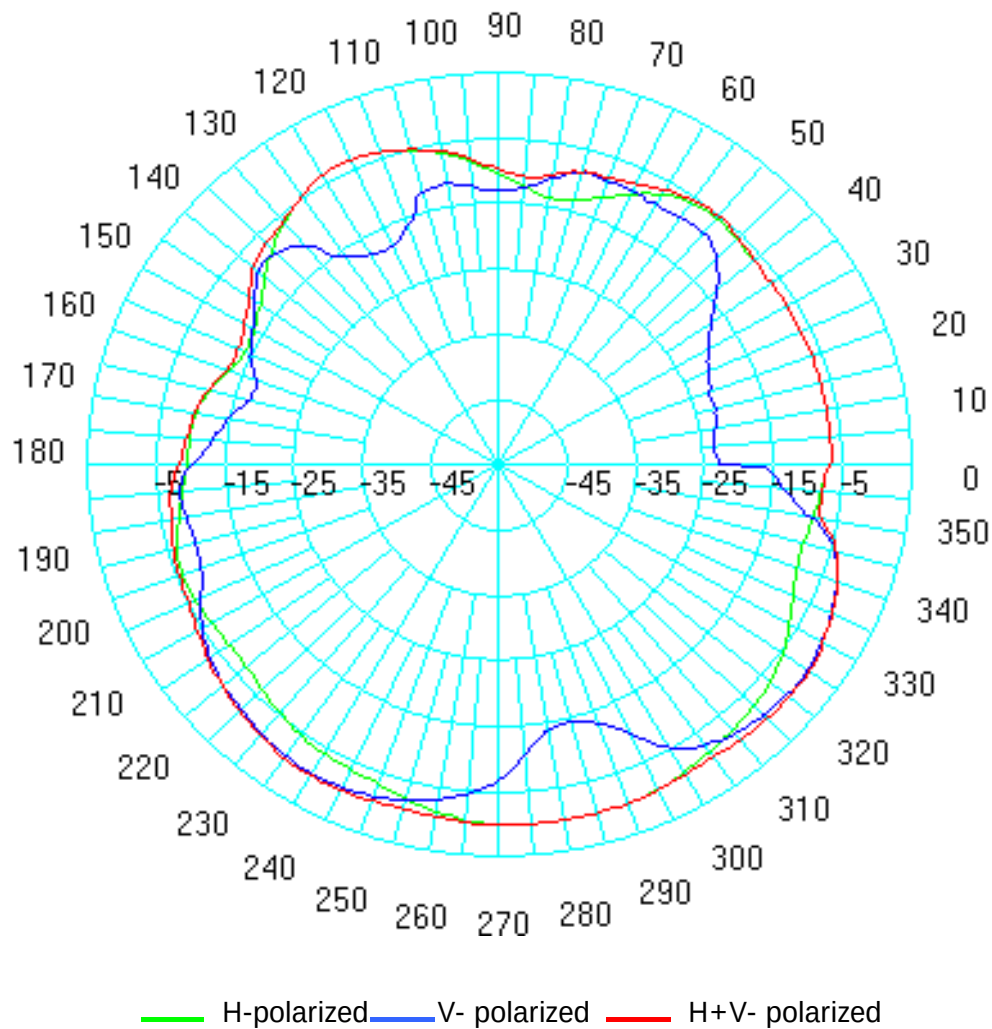


2.4~2.5GHz / Vswr



4. Gain&PATTERN-B/T (left) ANT./In Notebook

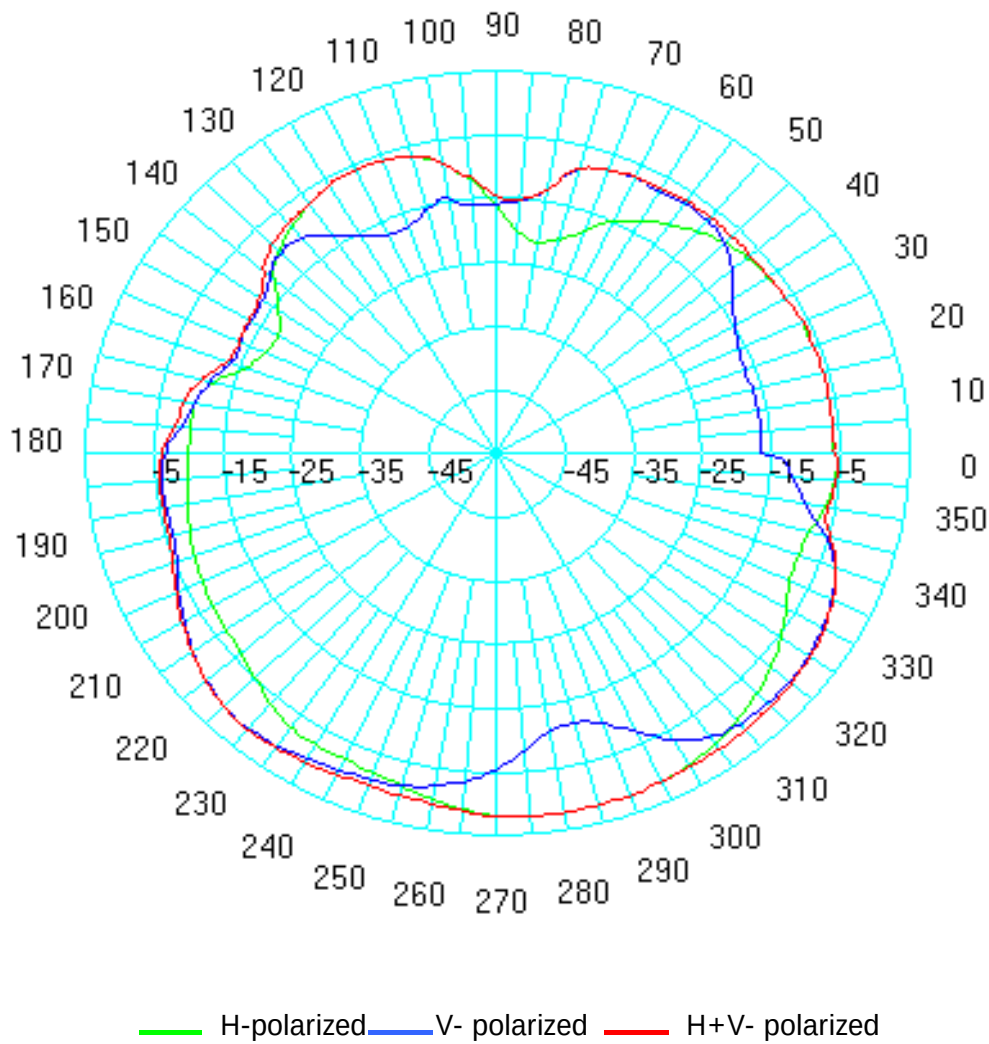
2.4GHz



Gain data

Antenna	Gain of XY Plane(Azimuth)		
	Frequency		2.4GHz
PIFA	H	Peak	0.17
		Avg.	-6.33
	V	Peak	-0.11
		Avg.	-9.82
	H + V	Peak	0.23
		Avg.	-4.82
		% > -5dBi	45.15%

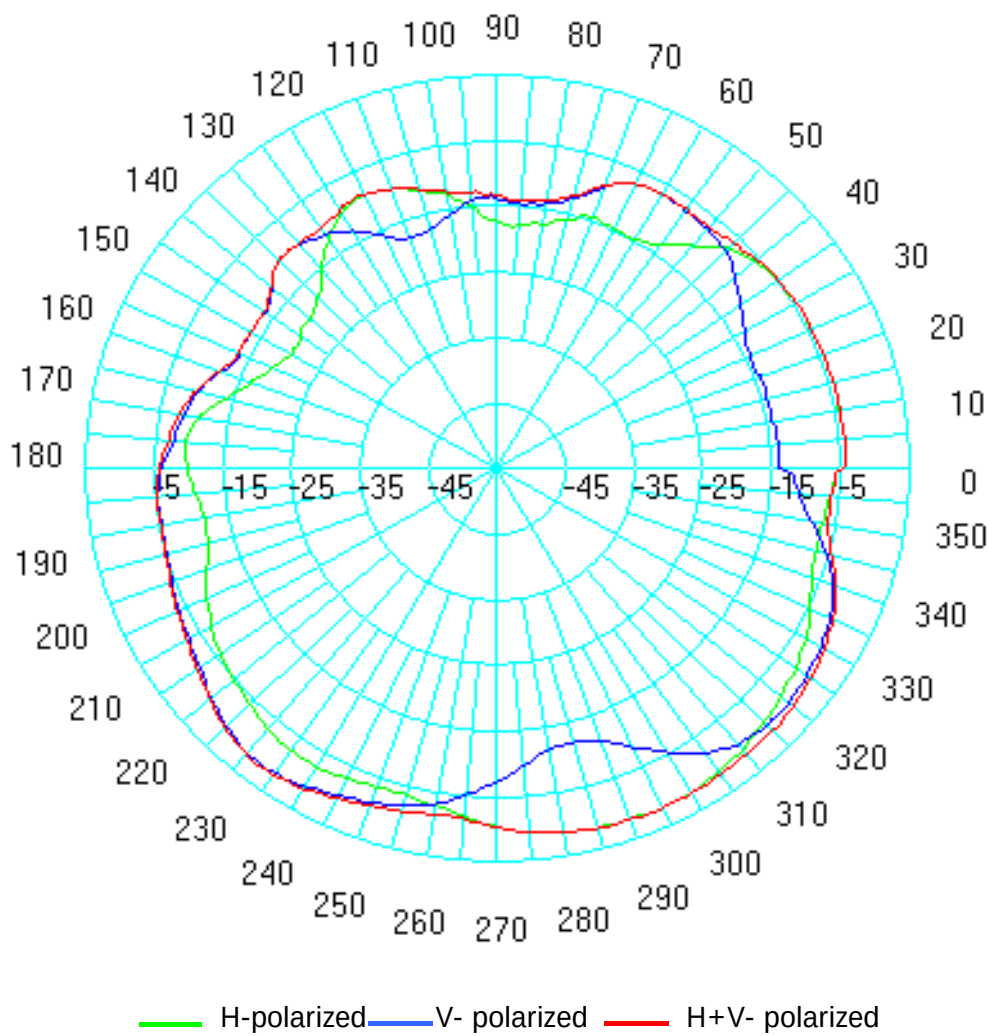
2.45GHz



Gain data

Antenna	Gain of XY Plane(Azimuth)		
	Frequency		2.45GHz
PIFA	H	Peak	2.13
		Avg.	-5.22
	V	Peak	-1.39
		Avg.	-8.12
	H + V	Peak	2.15
		Avg.	-4.62
		% > -5dBi	40.72%

2.5GHz



Gain data

Antenna	Gain of XY Plane(Azimuth)		
	Frequency		2.5GHz
PIFA	H	Peak	1.85
		Avg.	-7.73
	V	Peak	1.77
		Avg.	-7.94
	H + V	Peak	1.94
		Avg.	-4.89
		% > -5dBi	51.24%

5. SPECIFICATIONS:

● Electrical Properties

Frequency Range : 2.4~2.5GHz

Impedance : 50 ohm

VSWR(2.4~2.5GHZ) : ≤ 2.0

VSWR(5.15~5.85GHz) : < 2.5

Peak Gain : $\leq 3\text{dBi}$

Average Gain : $> -5\text{dB}$