

DATE : Jul.16.2004

CUSTOMER: CLEVO CO.

TEST REPORT

MODEL	D900T
DESCRIPTION	PIFA For Wireless LAN Antenna
SUPPLIER P/N	
CUSTOMER P/N	
FILE P/N	

FAVORTRON			Customer	
Manager	Supervisor	Engineer		
				



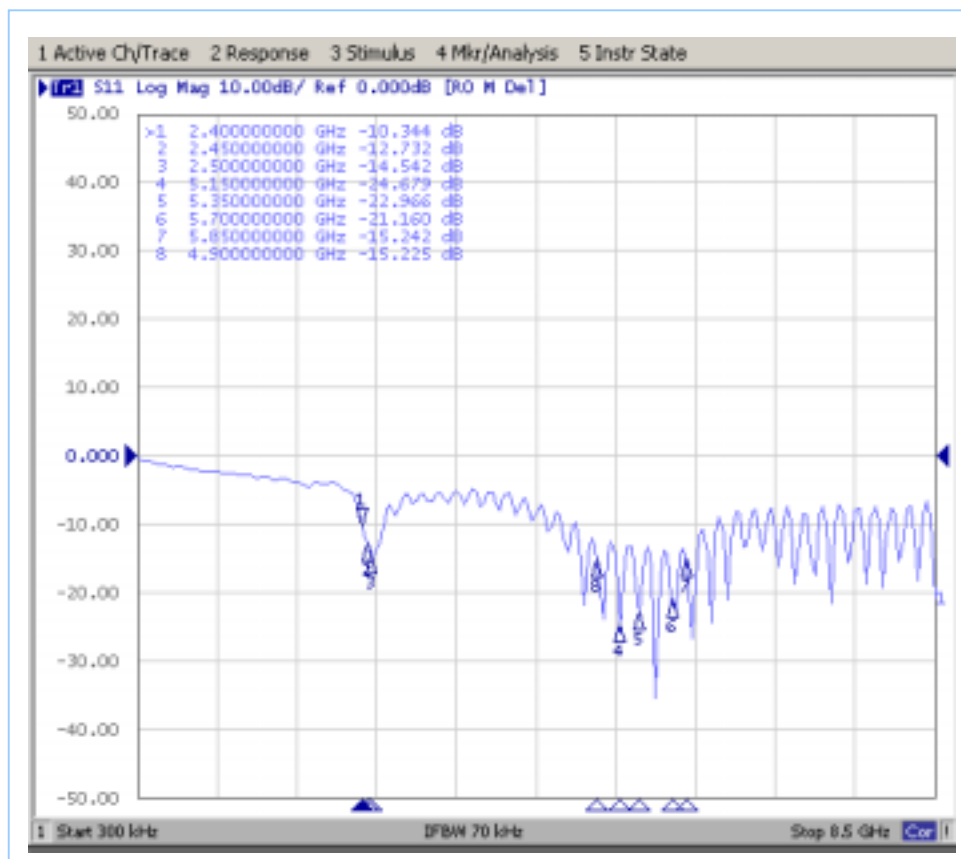
惠寶電子股份有限公司
FAVORTRON CO., LTD

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

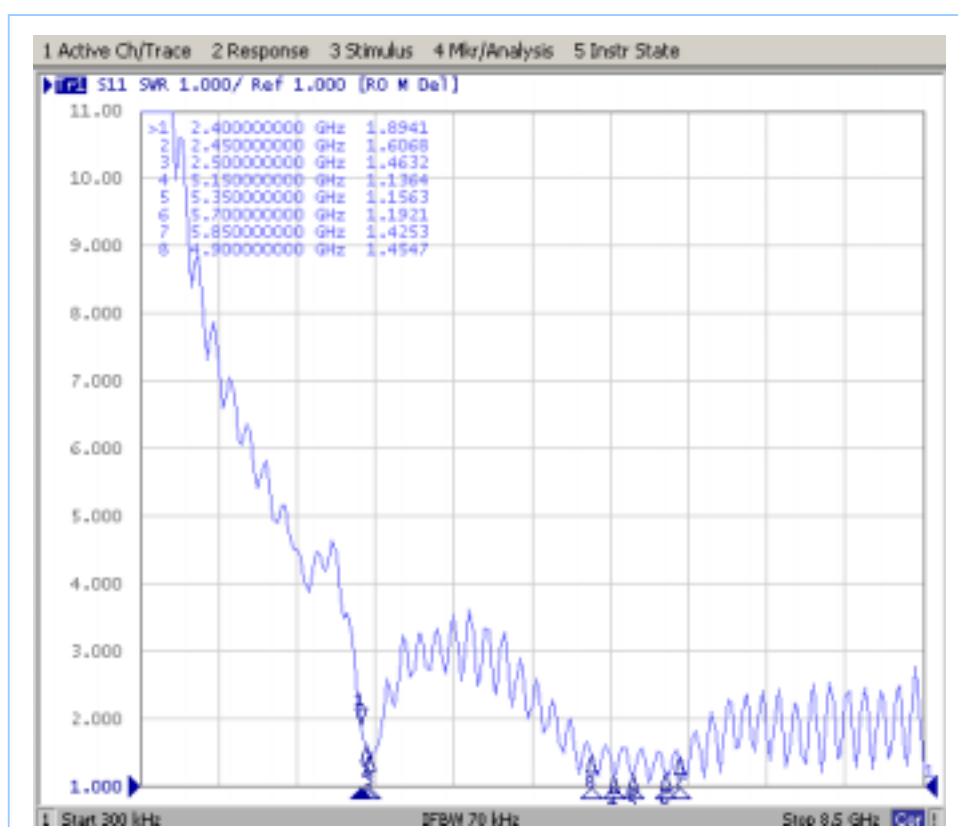
17nd F, no. 866, Zhong Zheng Rd., FAX: (02) 8227-5667
Zhong He City, Taipei Hsien, Taiwan R.O.C

1. WLAN Ant./In Notebook (RIGHT)

2.4~2.5GHz & 5.15~5.85GHz / Return Loss

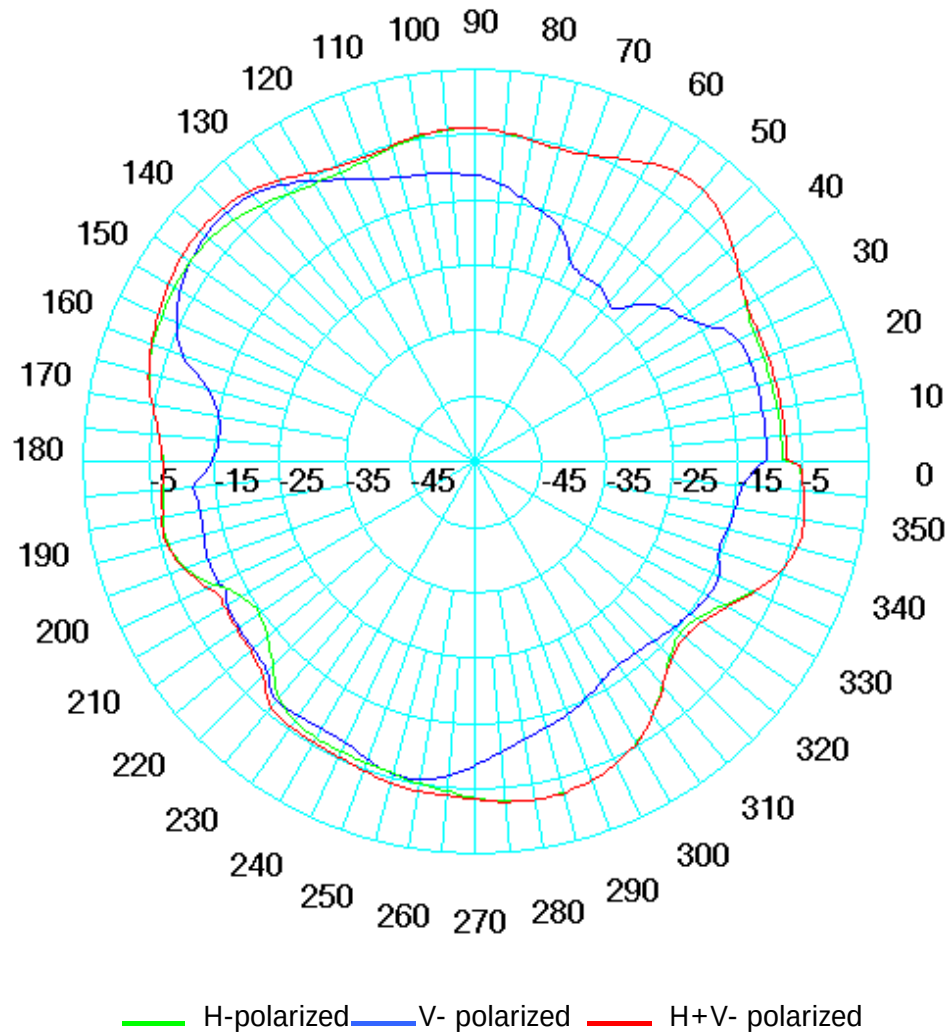


2.4~2.5GHz & 5.15~5.85GHz / Vswr



4. Gain&PATTERN-WLAN(right)ANT./IN Notebook

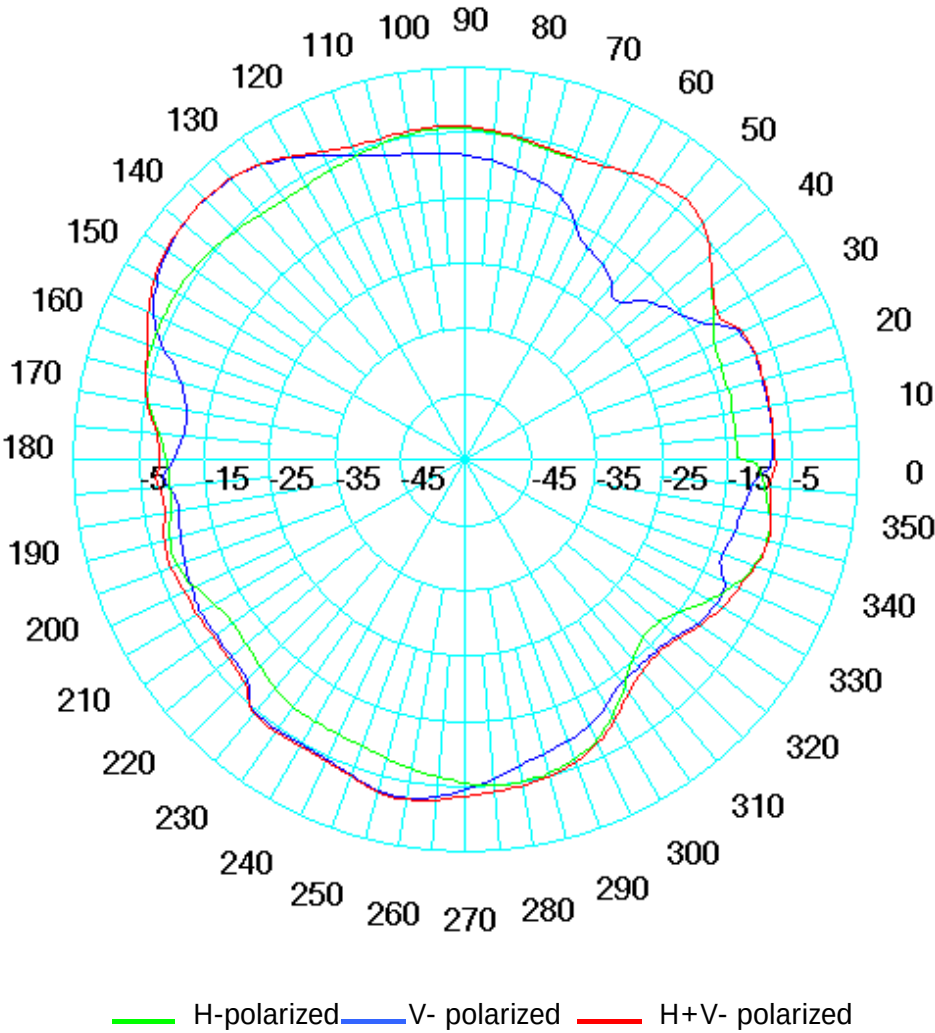
2.4GHz



Gain data

Antenna	Gain of XY Plane(Azimuth)		
	Frequency		2.4GHz
PIFA	H	Peak	-0.35
		Avg.	-5.54
	V	Peak	-0.45
		Avg.	-10.25
	H + V	Peak	0.48
		Avg.	-4.82
		% > -5dBi	58.62%

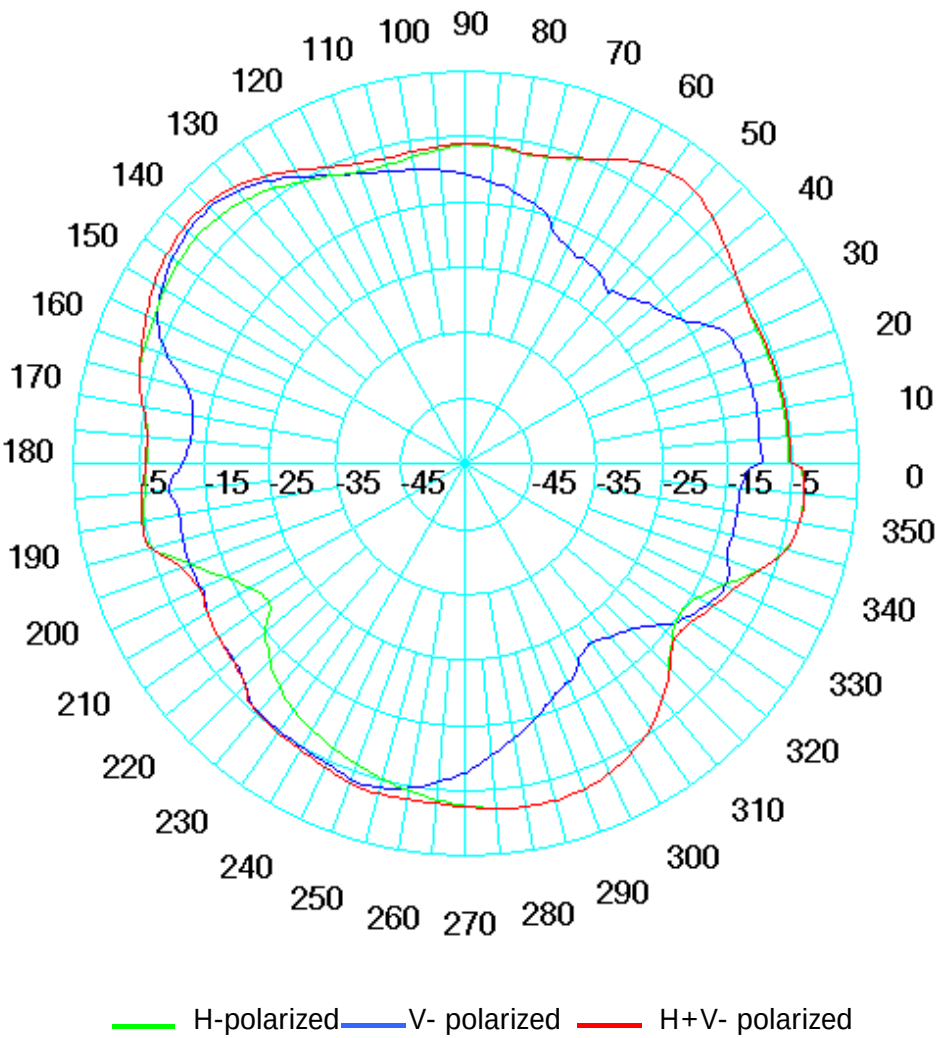
2.45GHz



Gain data

Antenna	Gain of XY Plane(Azimuth)		
	Frequency		2.45GHz
PIFA	H	Peak	-1.63
		Avg.	-7.12
	V	Peak	2.35
		Avg.	-7.65
	H + V	Peak	2.45
		Avg.	-4.89
		% > -5dBi	59.45%

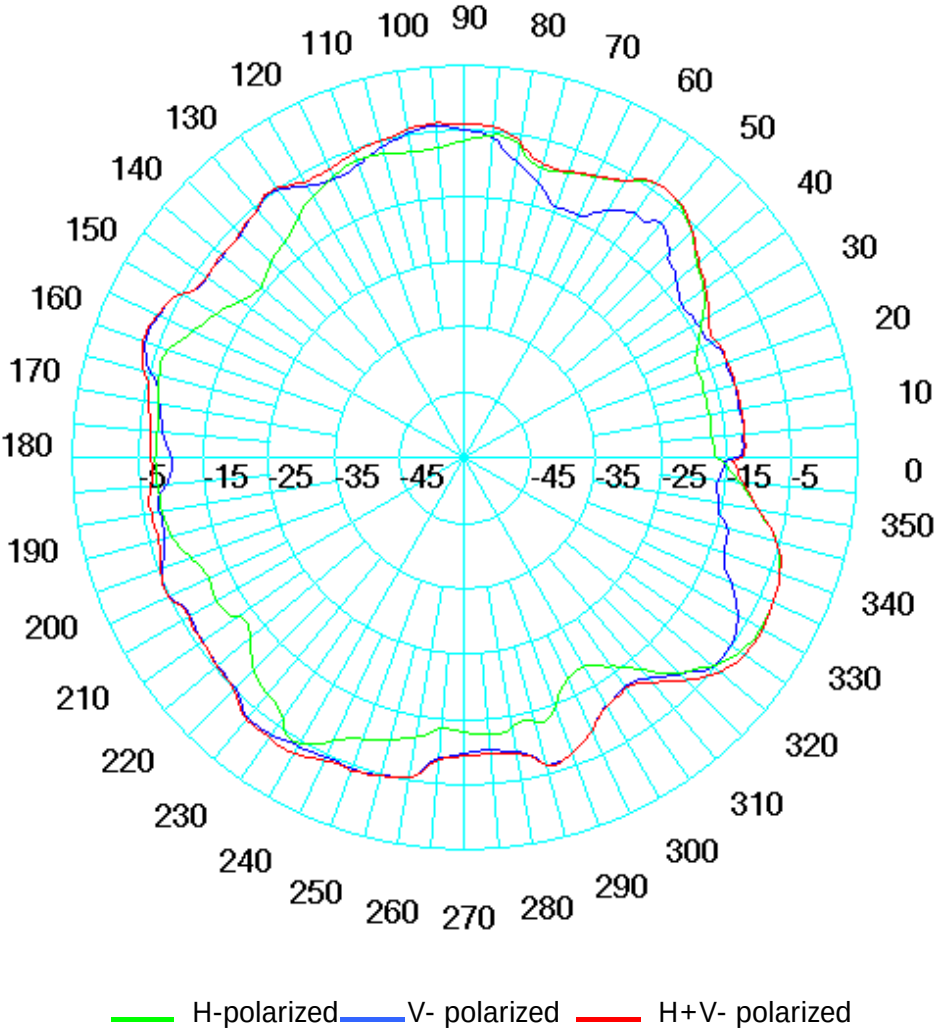
2.5GHz



Gain data

Antenna	Gain of XY Plane(Azimuth)		
	Frequency		2.5GHz
PIFA	H	Peak	-0.54
		Avg.	-5.89
	V	Peak	0.59
		Avg.	-9.96
	H + V	Peak	1.25
		Avg.	-4.85
		% > -5dBi	50.54%

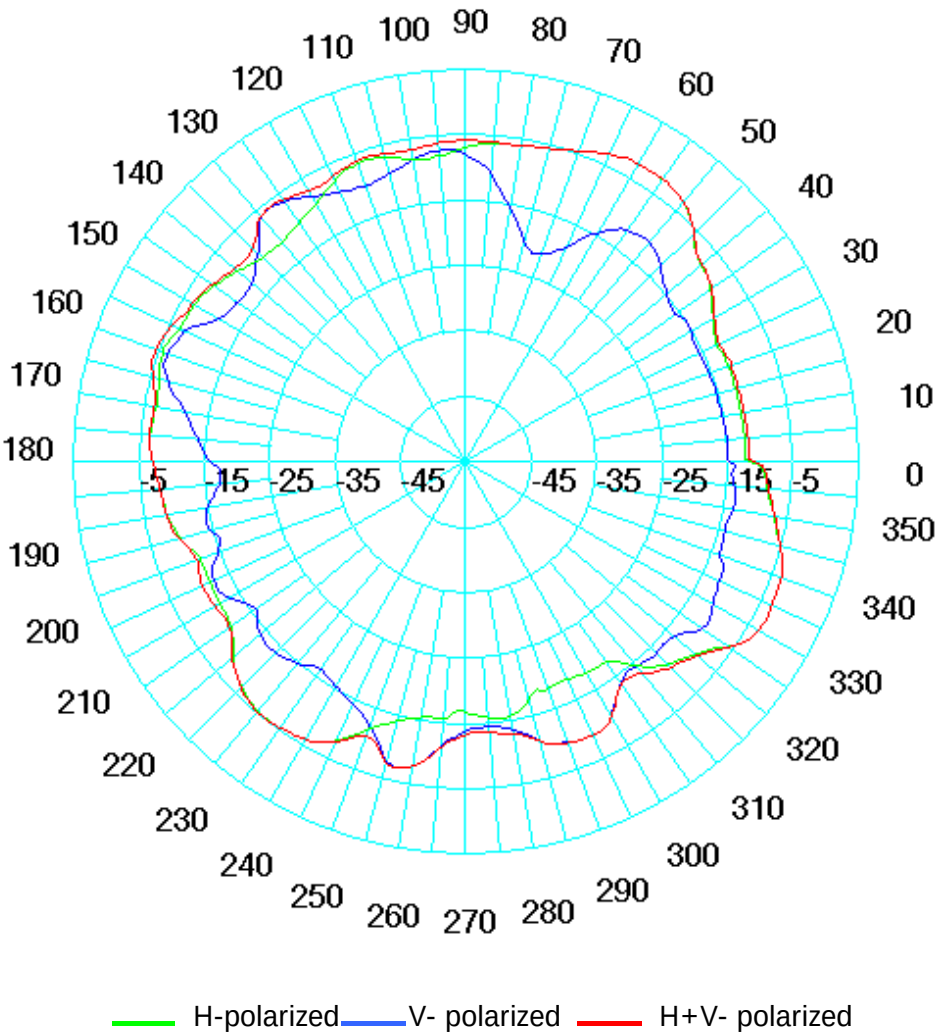
5.15GHz



Gain data

Antenna	Gain of XY Plane(Azimuth)		
	Frequency		5.15GHz
PIFA	H	Peak	-1.12
		Avg.	-8.24
	V	Peak	-1.21
		Avg.	-6.54
	H + V	Peak	-0.83
		Avg.	-4.86
		% > -5dBi	55.56%

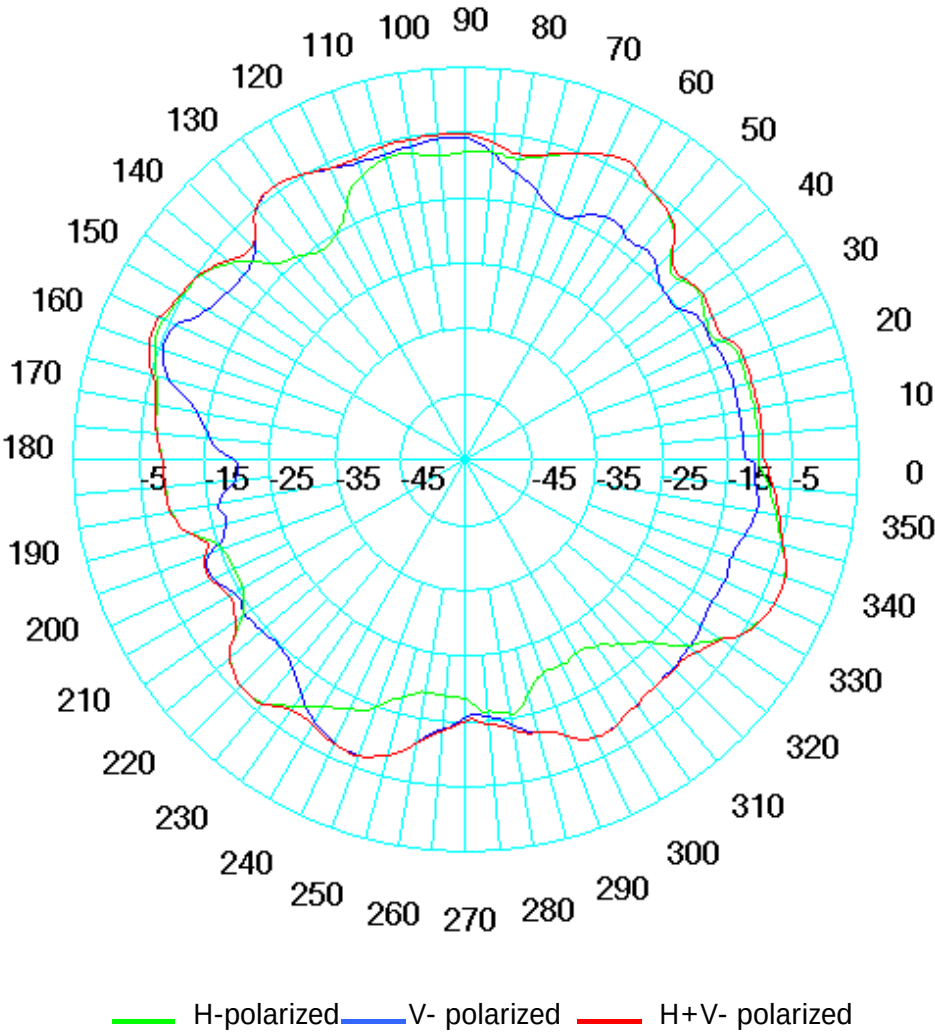
5.25GHz



Gain data

Antenna	Gain of XY Plane(Azimuth)		
	Frequency		5.25GHz
PIFA	H	Peak	0.86
		Avg.	-5.89
	V	Peak	-2.76
		Avg.	-9.45
	H + V	Peak	0.82
		Avg.	-4.74
		% > -5dBi	58.86%

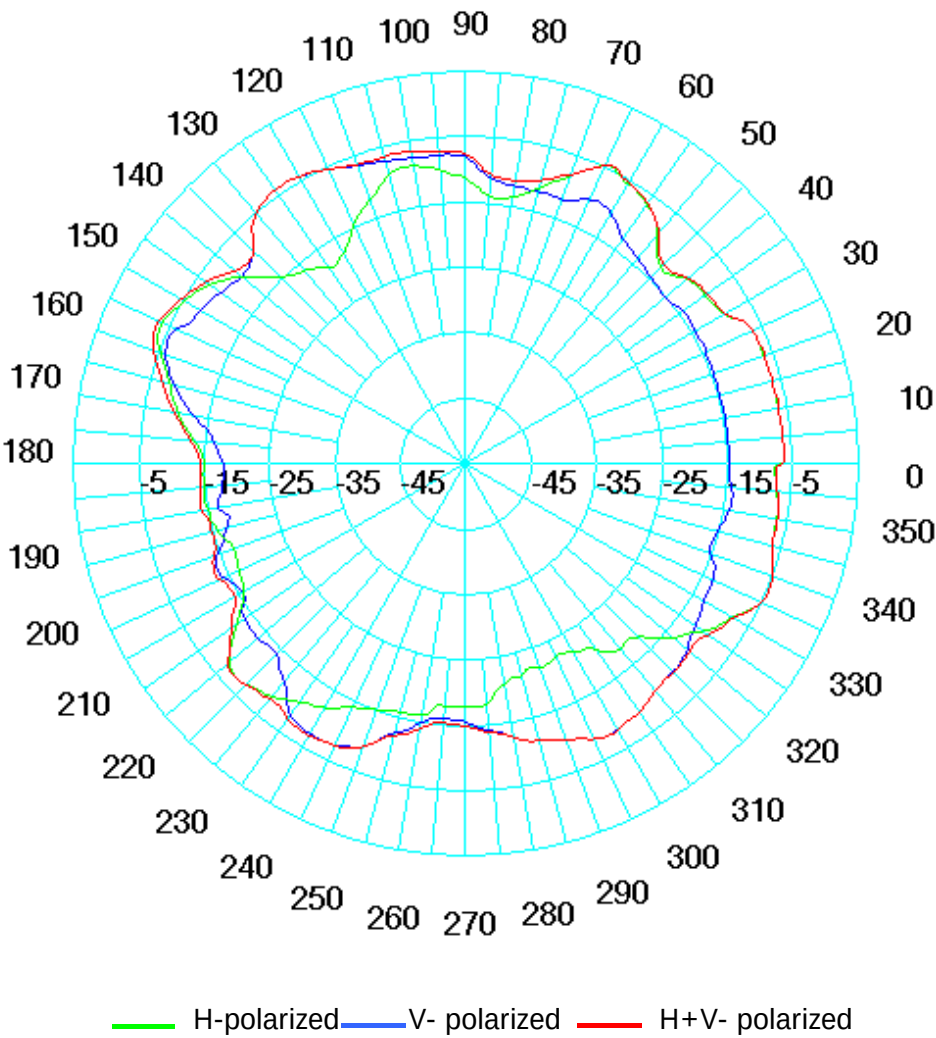
5.35GHz



Gain data

Antenna	Gain of XY Plane(Azimuth)		
	Frequency		5.35GHz
PIFA	H	Peak	-0.12
		Avg.	-7.54
	V	Peak	-1.43
		Avg.	-8.12
	H + V	Peak	0.01
		Avg.	-5.12
		% > -5dBi	56.21%

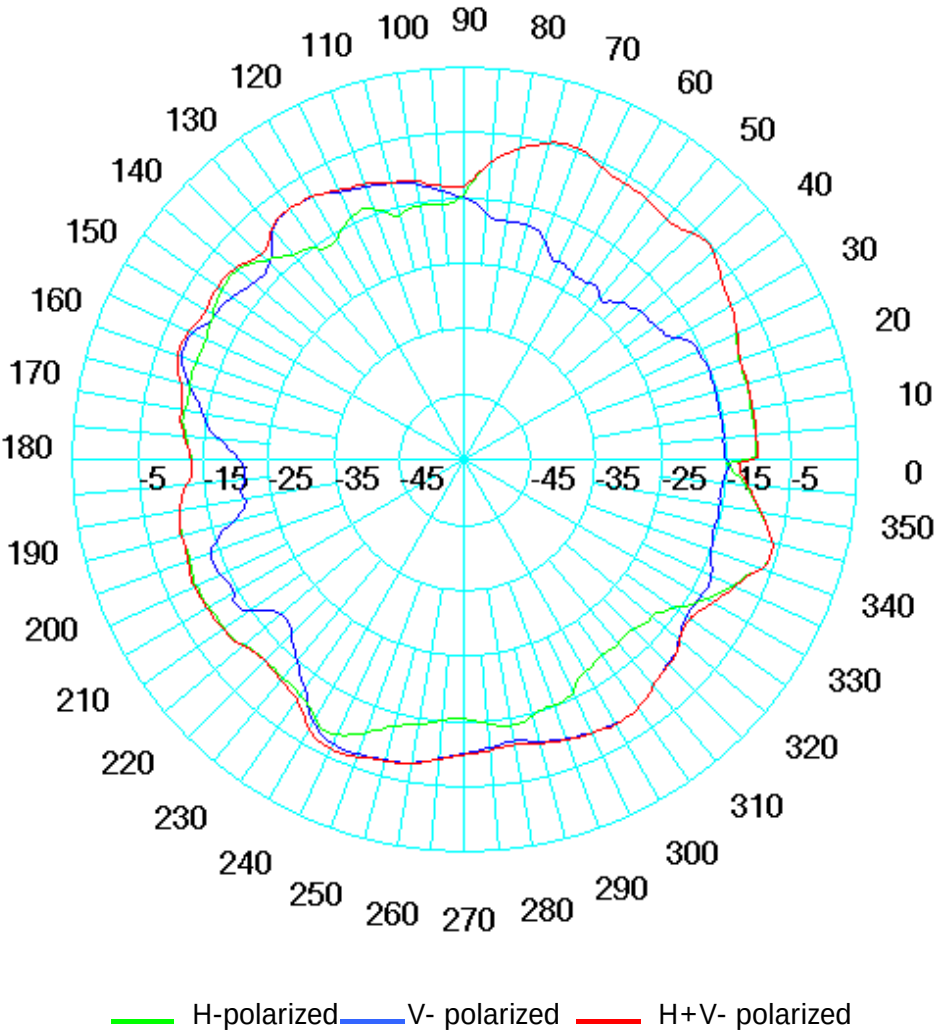
5.45GHz



Gain data

Antenna	Gain of XY Plane(Azimuth)		
	Frequency		5.45GHz
PIFA	H	Peak	-0.18
		Avg.	-8.24
	V	Peak	-0.43
		Avg.	-8.08
	H + V	Peak	0.52
		Avg.	-5.22
		% > -5dBi	58.42%

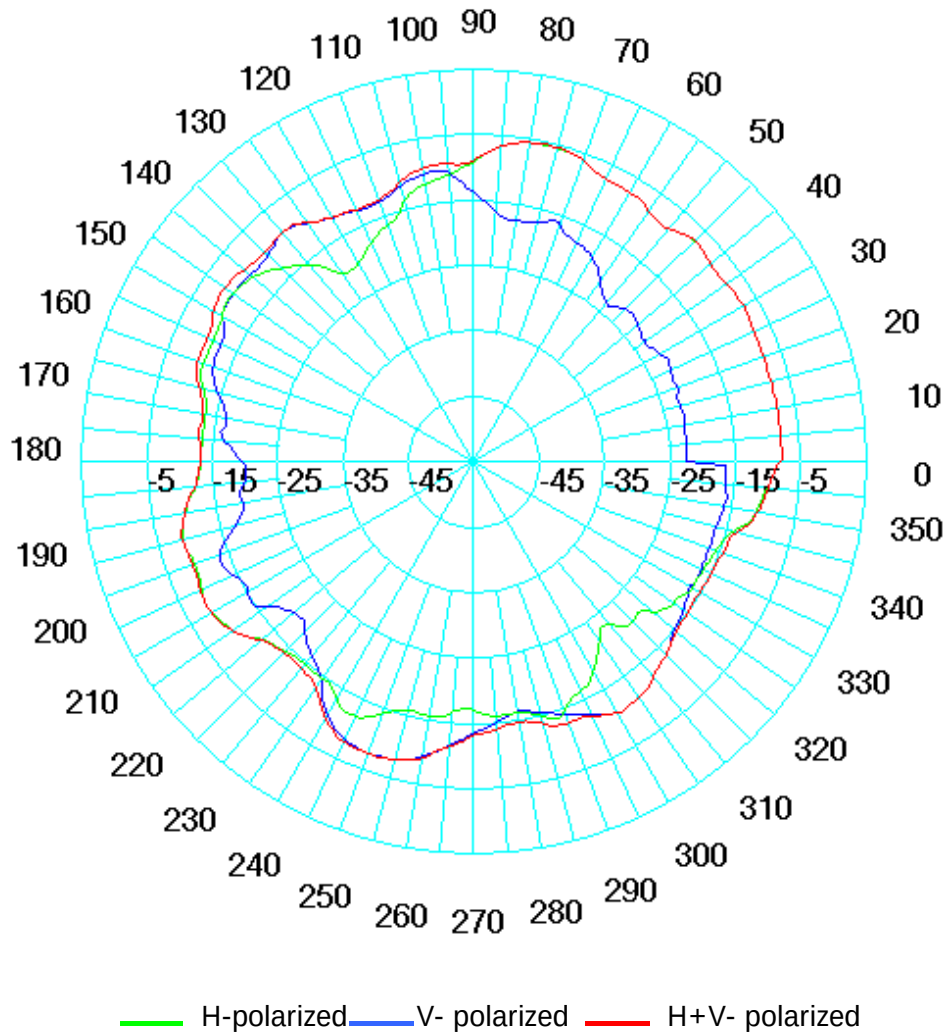
5.725GHz



Gain data

Antenna	Gain of XY Plane(Azimuth)		
	Frequency		5.725GHz
PIFA	H	Peak	-0.21
		Avg.	-7.42
	V	Peak	-2.89
		Avg.	-9.87
	H + V	Peak	-0.43
		Avg.	-5.45
		% > -5dBi	56.65%

5.85GHz



Gain data

Antenna	Gain of XY Plane(Azimuth)		
	Frequency		5.85GHz
PIFA	H	Peak	-0.54
		Avg.	-7.42
	V	Peak	-2.87
		Avg.	-11.12
	H + V	Peak	-0.48
		Avg.	-5.62
		% > -5dBi	50.89%

5. SPECIFICATIONS:

● Electrical Properties

Frequency Range	: 2.4~2.5GHz & 5.15~5.85GHz
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	: $> -5\text{dB}$