



Well Green Technology Co., Ltd

**No. 20, Alley51 ,Lane 118,ShuangLian Sec.2,Mintzu Rd.,
PingJen City, TaoYuan Hsien, Taiwan, R.O.C
TEL: (03)420-6428 FAX: (03) 420-6418**

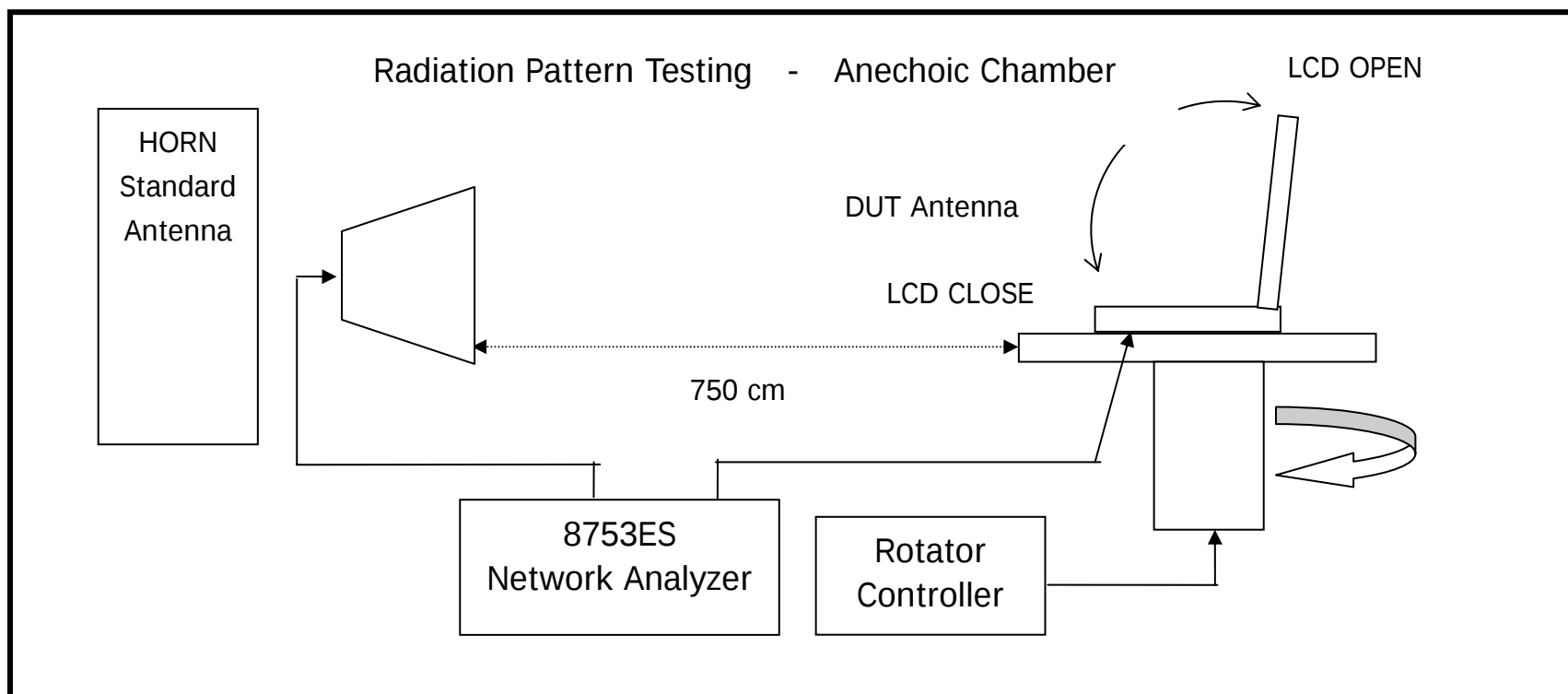
A790 Bluetooth Antenna Test Report

RD Manager	Supervisor	RD engineer	Sales engineer
Joy	Johnson	Jason	Jerry



I 、Antenna Testing Conditions:

1. Testing set up:

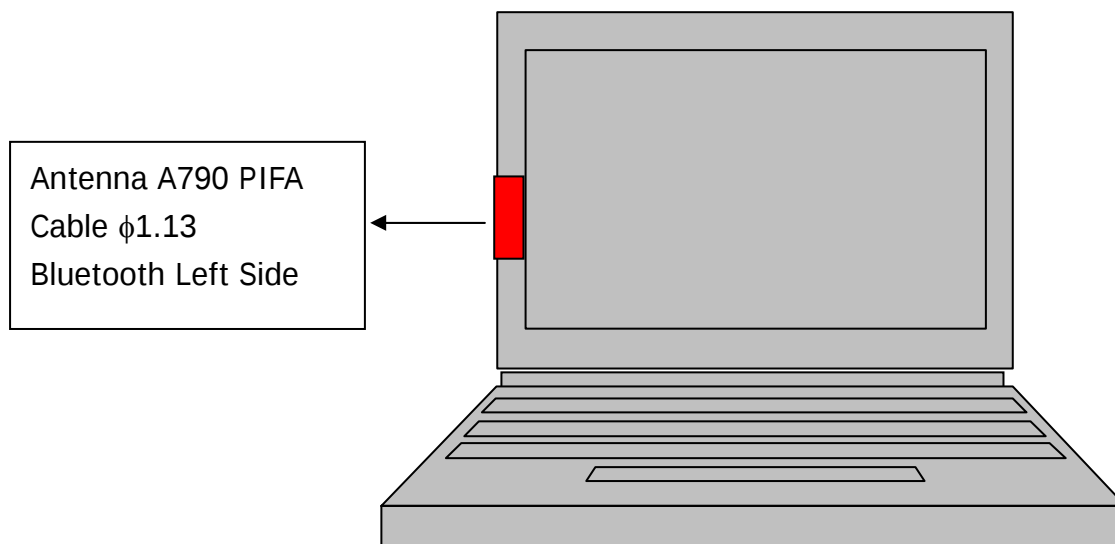




Well Green Technology Co., Ltd

**No. 20, Alley51 ,Lane 118,ShuangLian Sec.2,Mintzu Rd.,
PingJen City, TaoYuan Hsien, Taiwan, R.O.C
TEL: (03)420-6428 FAX: (03) 420-6418**

2. Mechanical dimensions





Well Green Technology Co., Ltd

**No. 20, Alley51 ,Lane 118,ShuangLian Sec.2,Mintzu Rd.,
PingJen City, TaoYuan Hsien, Taiwan, R.O.C
TEL: (03)420-6428 FAX: (03) 420-6418**

● Pictures of Antenna



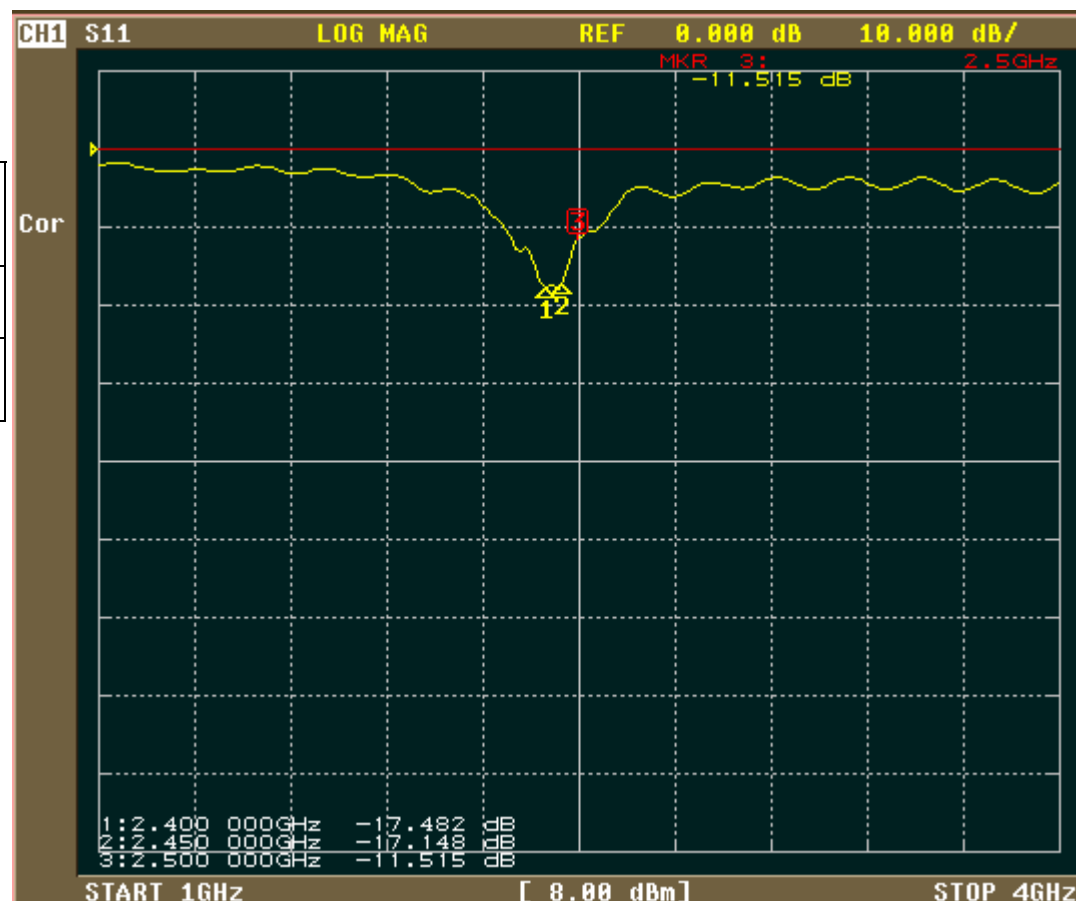


II. Test results

Antenna	Application	Placement	Cable dia. Φ mm
A790	Bluetooth	Left Side	1.13

1. Return Loss

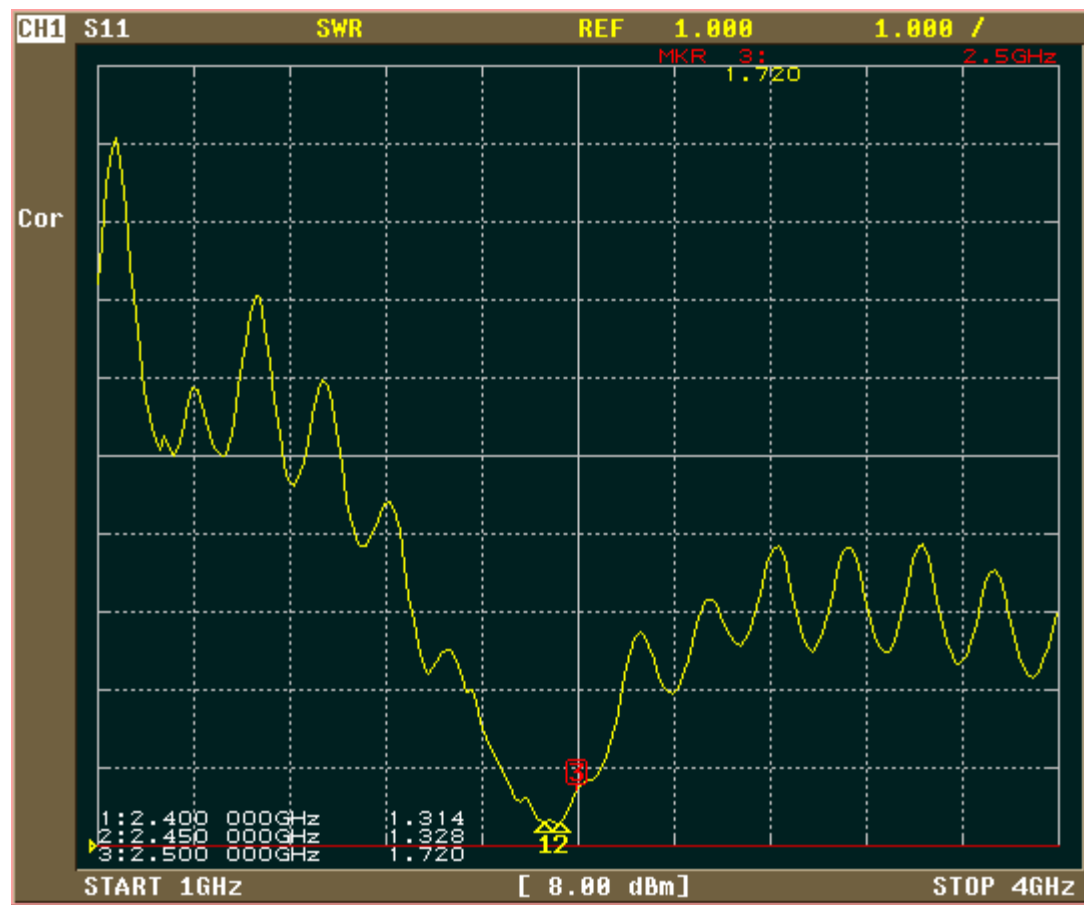
Antenna	Center freg. @MHz	BW @MHz	Return Loss		
			2.4GHz	2.45GHz	2.5GHz
A790	2450		-17.48	-17.14	-11.51





2. VSWR

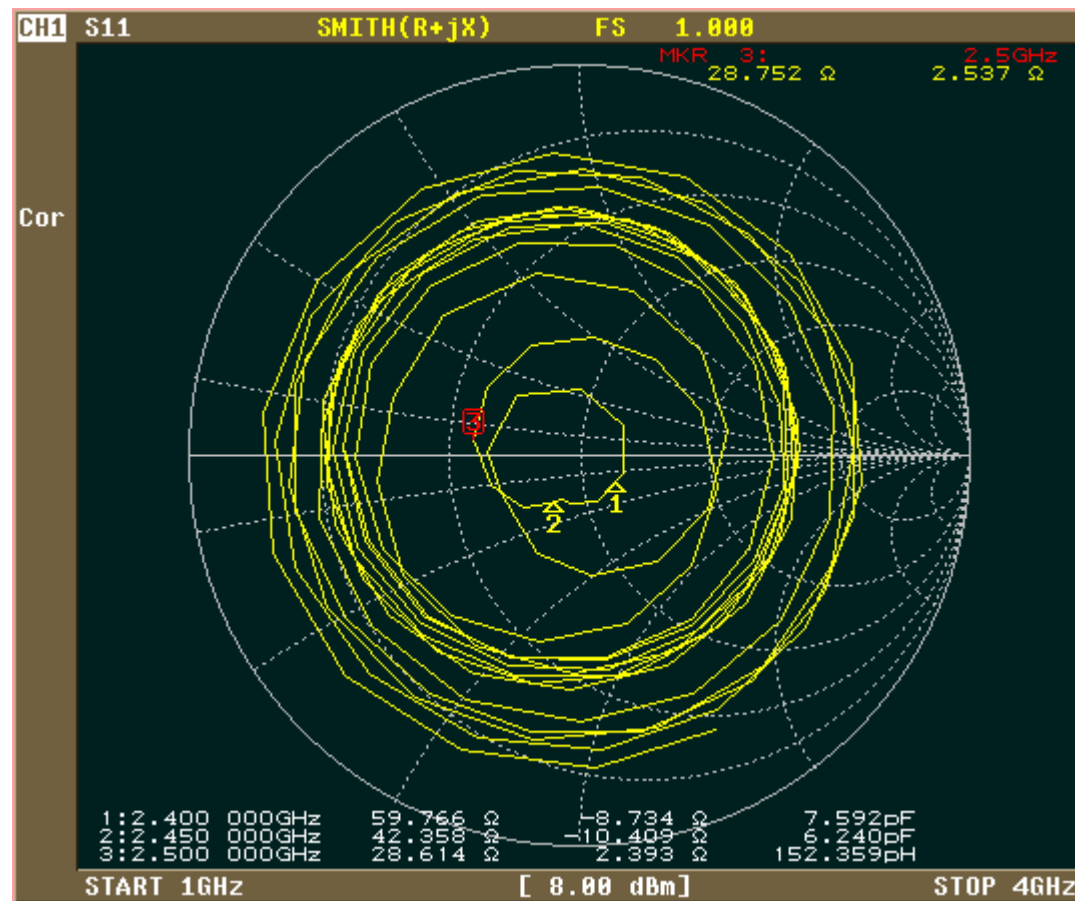
Antenna	Center freg. @MHz	BW @MHz	VSWR		
			2.4GHz	2.45GHz	2.5GHz
A790	2450		1.31	1.32	1.72





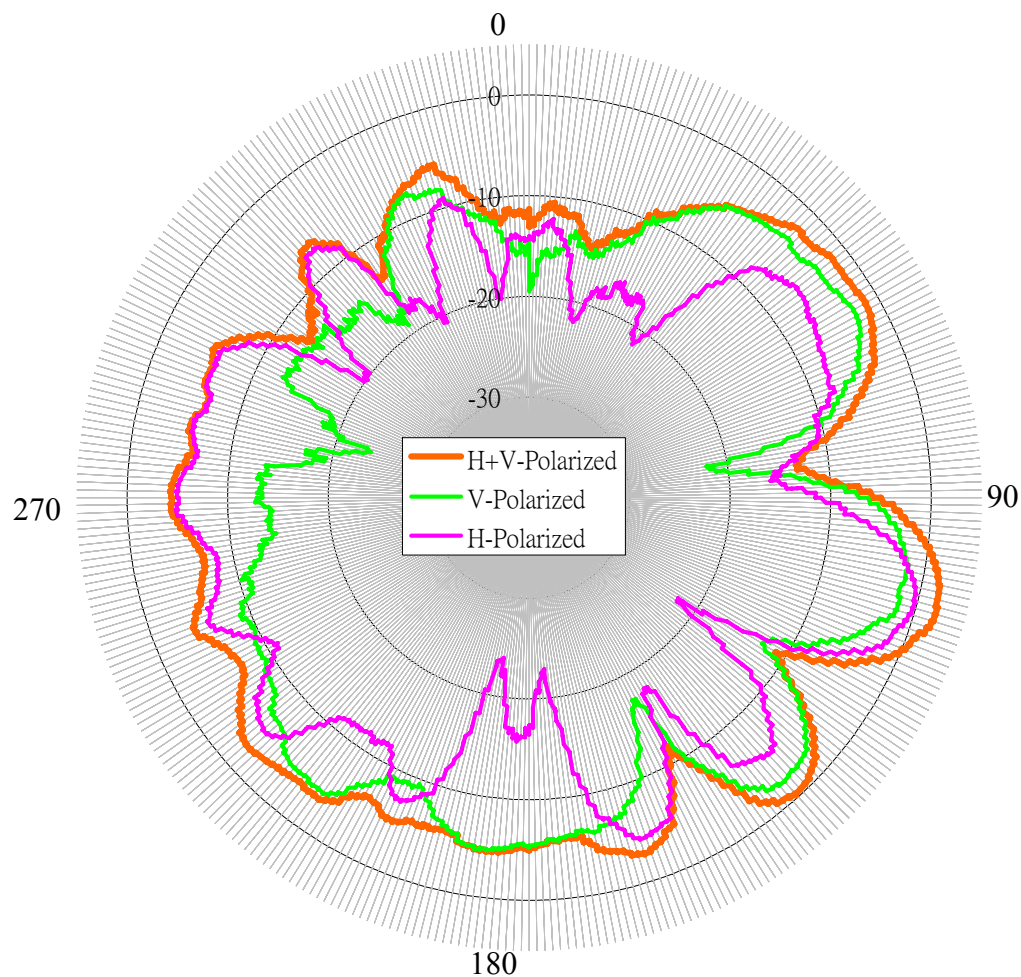
**No. 20, Alley51 ,Lane 118,ShuangLian Sec.2,Mintzu Rd.,
PingJen City, TaoYuan Hsien, Taiwan, R.O.C
TEL: (03)420-6428 FAX: (03) 420-6418**

3. Smith Chart





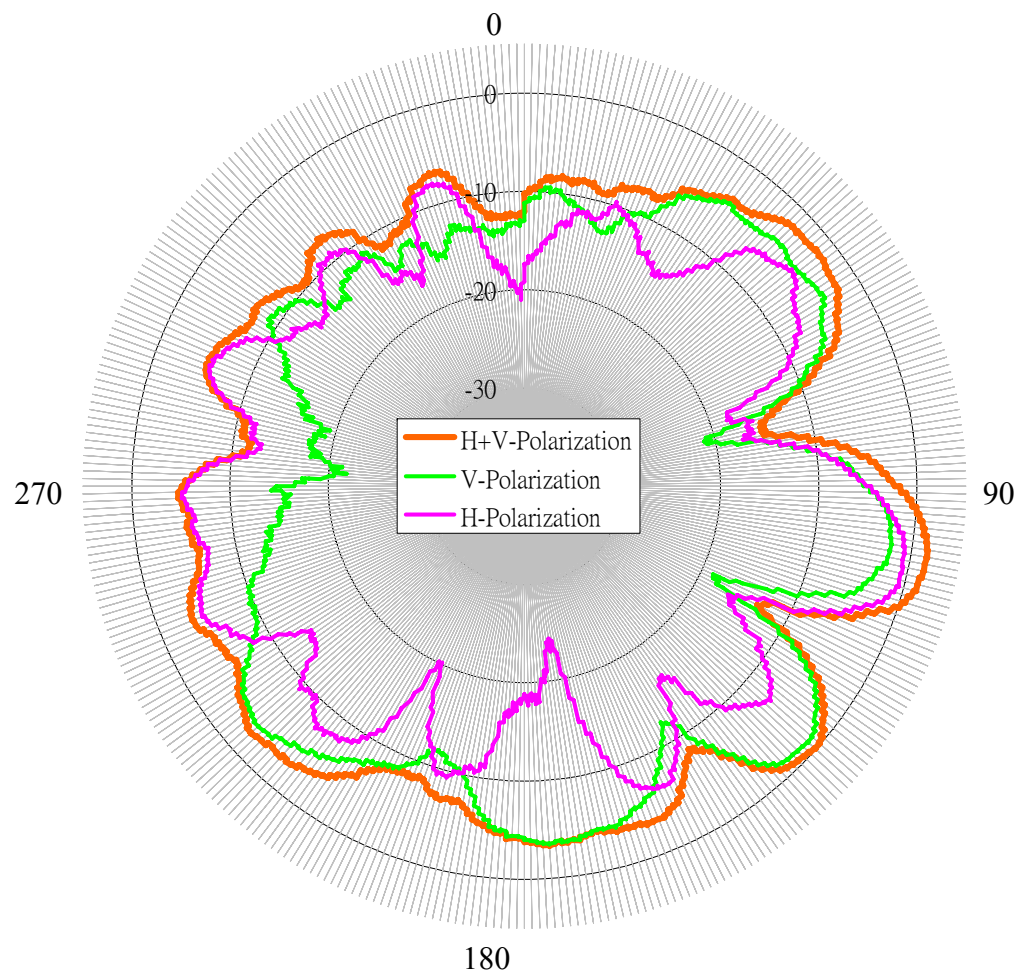
4. Radiation Pattern of XY Plane(Azimuth)-(Open)



Center Frequency	2400 MHz
Vertical peak Gain (dBi)	-1.68
Vertical Average Gain (dBi)	-7.17
Horizontal peak Gain (dBi)	-0.28
Horizontal Average Gain (dBi)	-8.15
Hori+Vert peak Gain (dBi)	2.04
Hori+Vert Average Gain (dBi)	-4.62



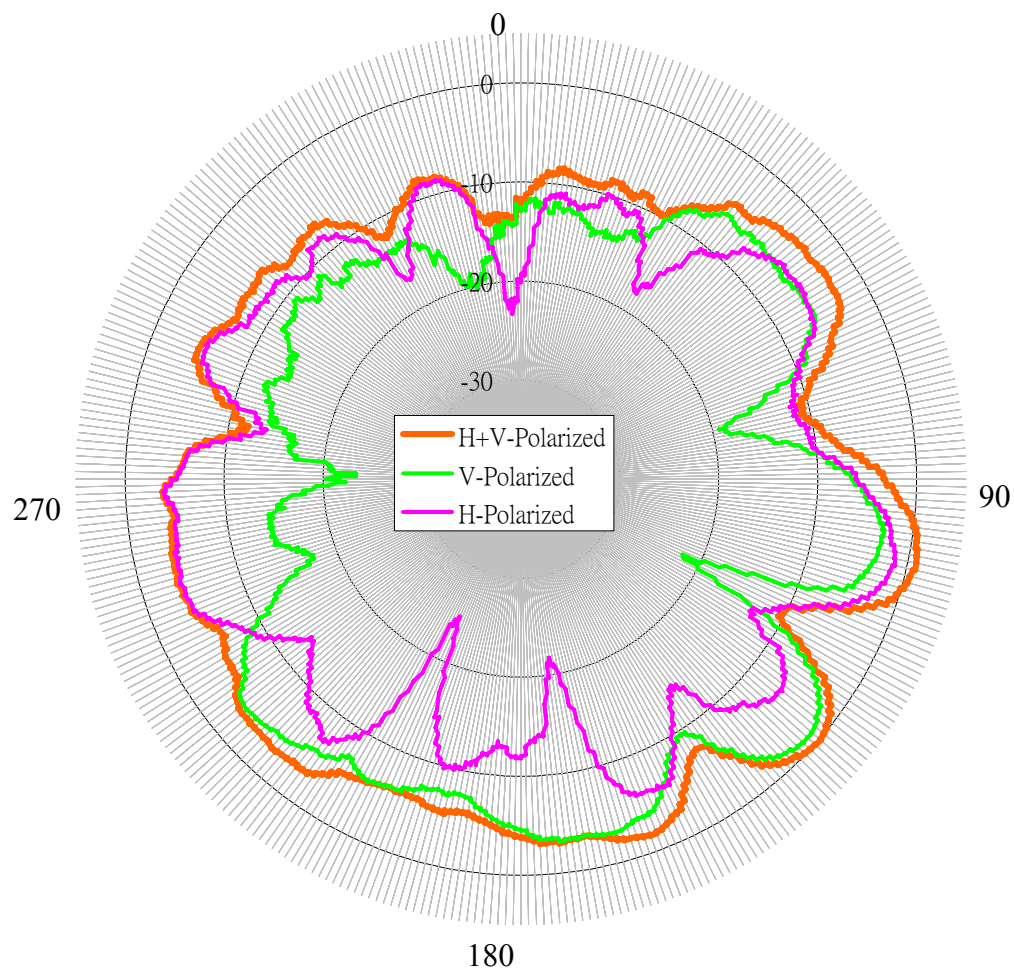
5. Radiation Pattern of XY Plane(Azimuth)- (Open)



Center Frequency	2450 MHz
Vertical peak Gain (dBi)	-1.07
Vertical Average Gain (dBi)	-7.08
Horizontal peak Gain (dBi)	-0.52
Horizontal Average Gain (dBi)	-8.48
Hori+Vert peak Gain (dBi)	1.66
Hori+Vert Average Gain (dBi)	-4.71



6. Radiation Pattern of XY Plane(Azimuth)- (Open)



Center Frequency	2500 MHz
Vertical peak Gain (dBi)	-0.95
Vertical Average Gain (dBi)	-7.42
Horizontal peak Gain (dBi)	-1.25
Horizontal Average Gain (dBi)	-8.10
Hori+Vert peak Gain (dBi)	0.85
Hori+Vert Average Gain (dBi)	-4.74