

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**

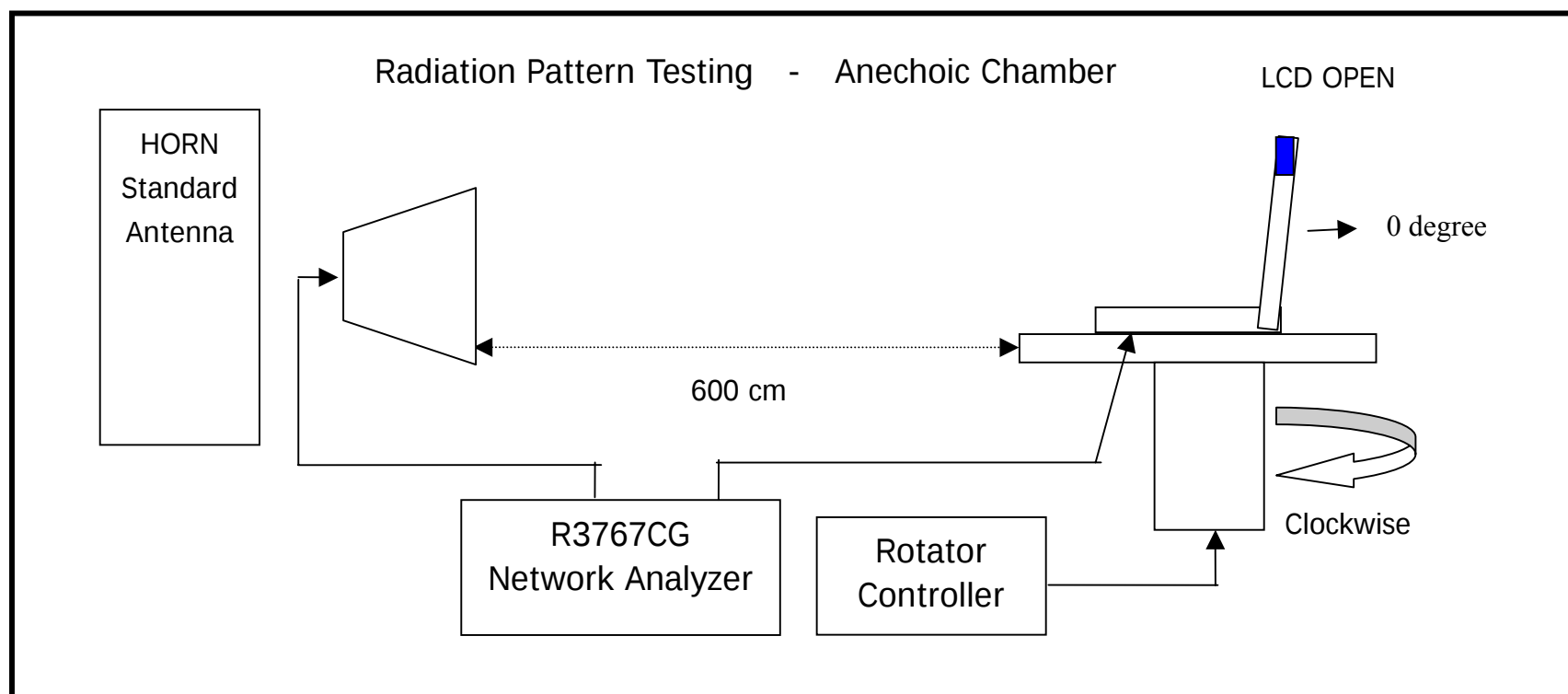
TWINHEAD E12B For EPR

Antenna Test Report

RD Manager	Supervisor	RD engineer	Sales engineer
David	Johnson	Tim	Jerry

Antenna Testing Conditions:

1. Testing set up:

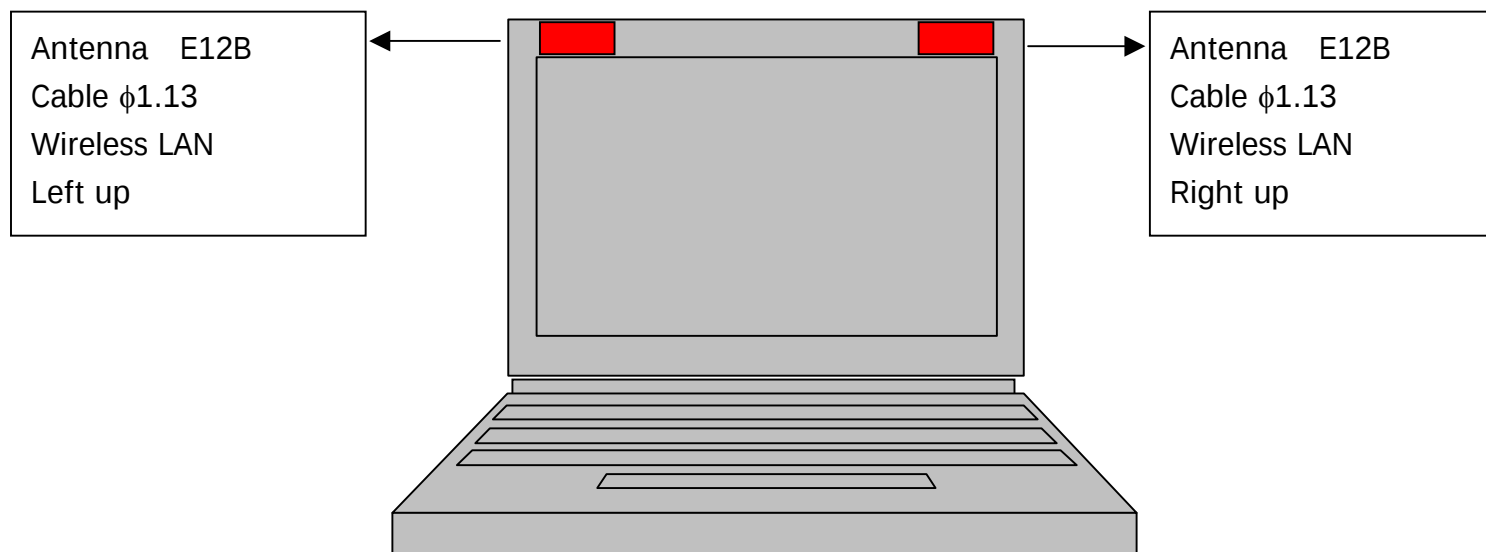


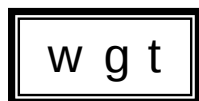


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2. Mechanical dimensions





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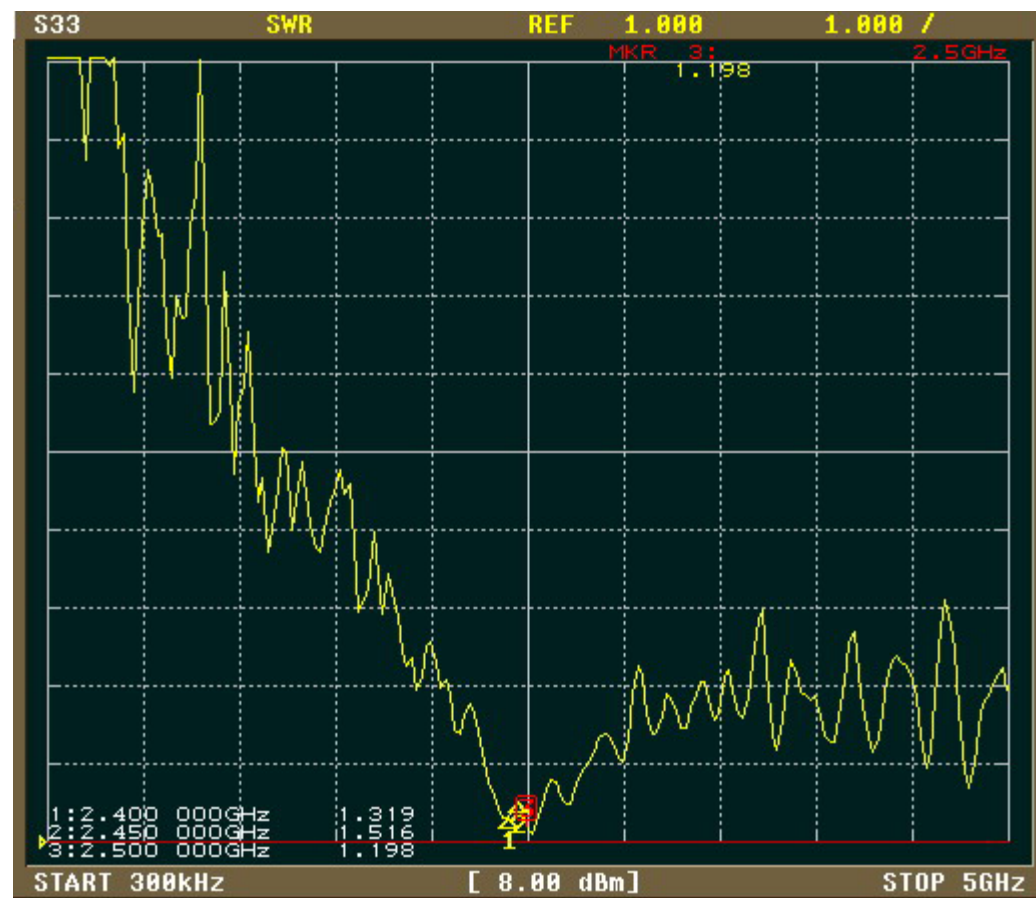
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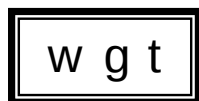
Test results-Left

Antenna	Application	Cable dia. Φ mm
E12B	Wireless	1.13

1.VSWR

Antenna	Center freq. @MHz	BW @MHz	VSWR		
			2.4GHz	2.45GHz	2.5GHz
E12B	2450		1.31	1.51	1.19



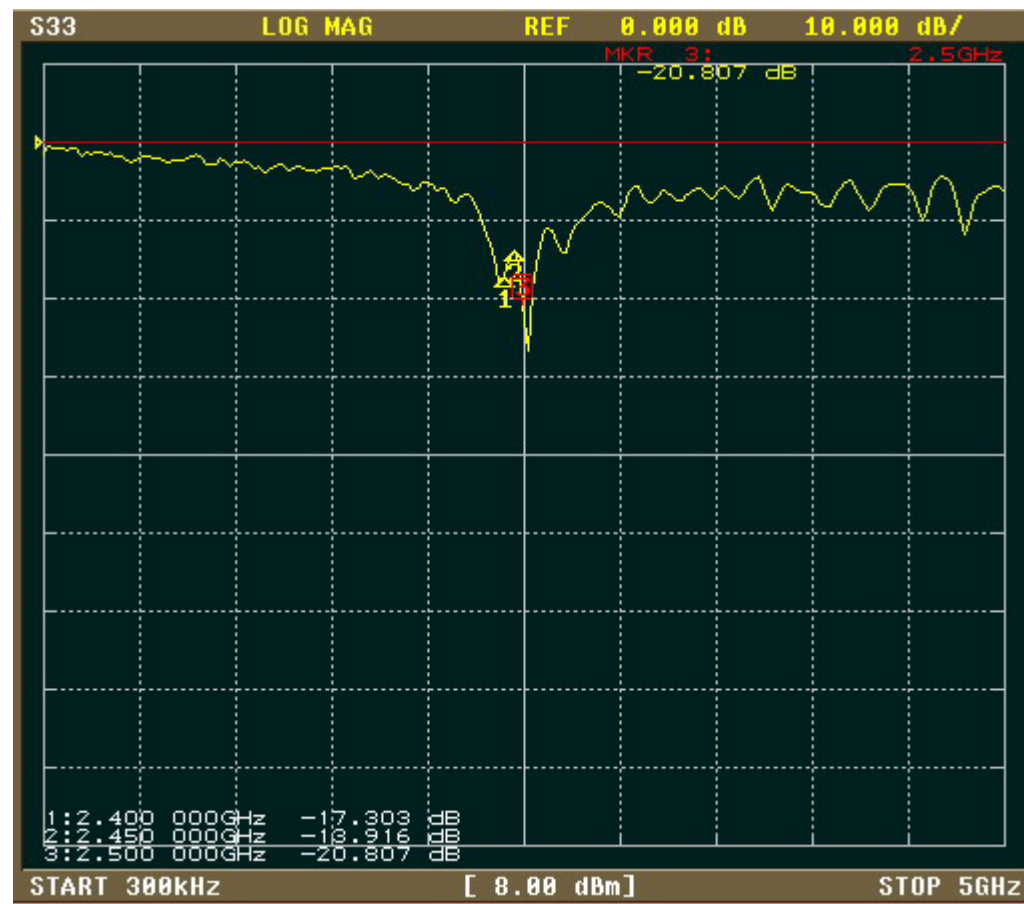


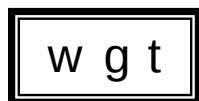
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2. Return Loss

Antenna	Center freq. @MHz	BW @MHz	Return Loss		
			2.4GHz	2.45GHz	2.5GHz
E12B	2450		-17.30	-13.91	-20.80

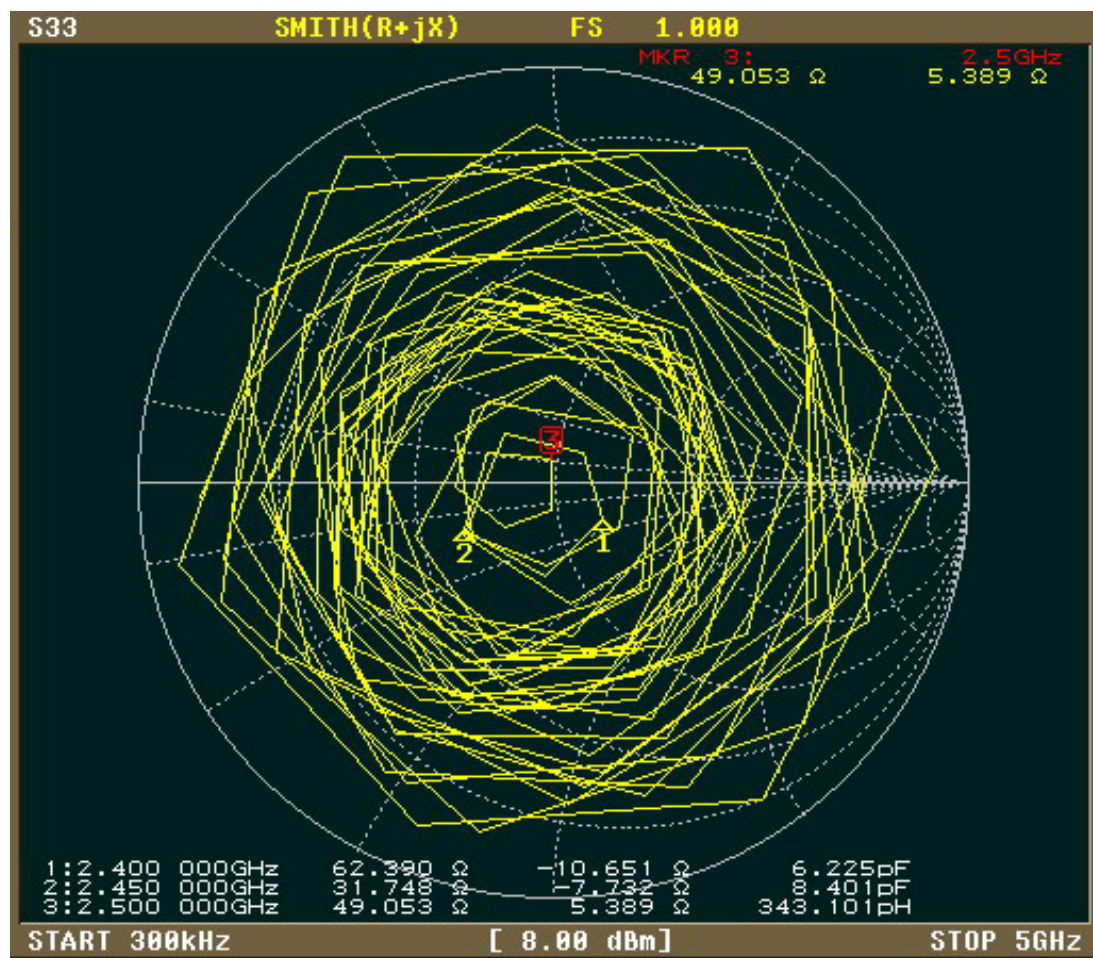




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3. Smith Chart

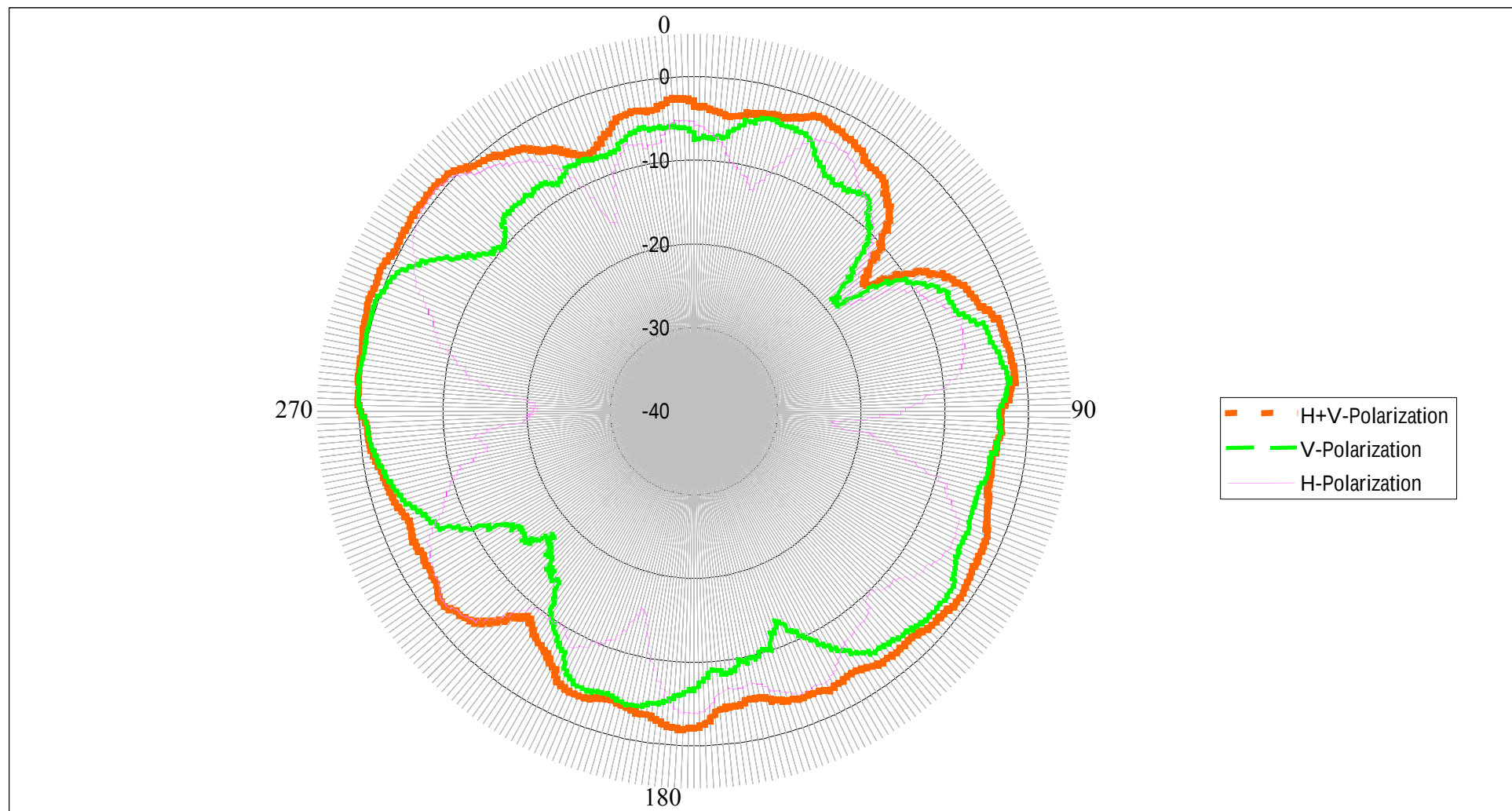




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4. Radiation Pattern of XY Plane(Azimuth)-2.45GHz



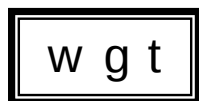


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5. Peak Gain and Average Gain

Antenna	Gain of XY Plane(Azimuth)		
	Polariztion		2.45GHz-L
E12B	V	Peak	0.33
		Average	-4.89
	H	Peak	0.66
		Average	-6.22
	H+V	Peak	1.12
		Average	-2.49

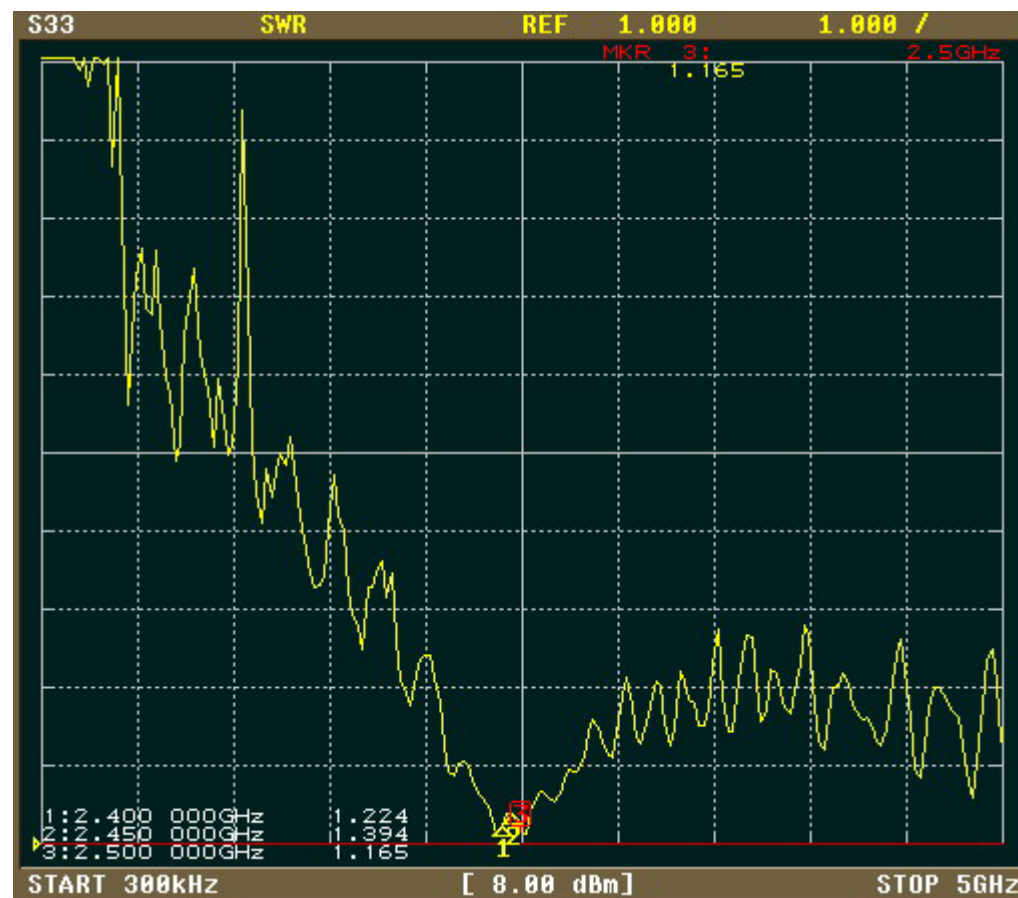


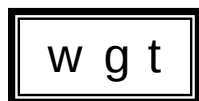
Test results-Right

Antenna	Application	Cable dia. Φ mm
E12B	Wireless	1.13

1.VSWR

Antenna	Center freq. @MHz	BW @MHz	VSWR		
			2.4GHz	2.45GHz	2.5GHz
E12B	2450		1.22	1.39	1.16



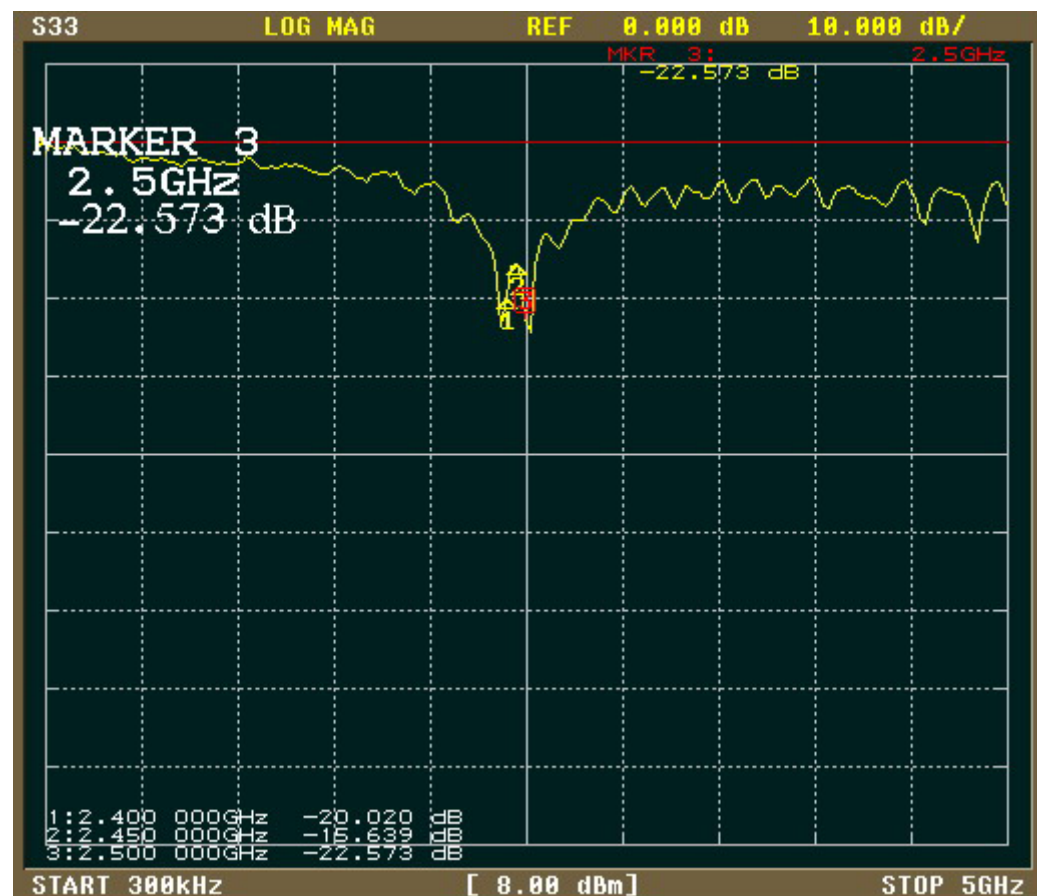


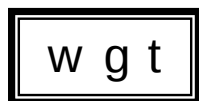
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2. Return Loss

Antenna	Center freq. @MHz	BW @MHz	Return Loss		
			2.4GHz	2.45GHz	2.5GHz
E12B	2450		-20.02	-15.63	-22.57

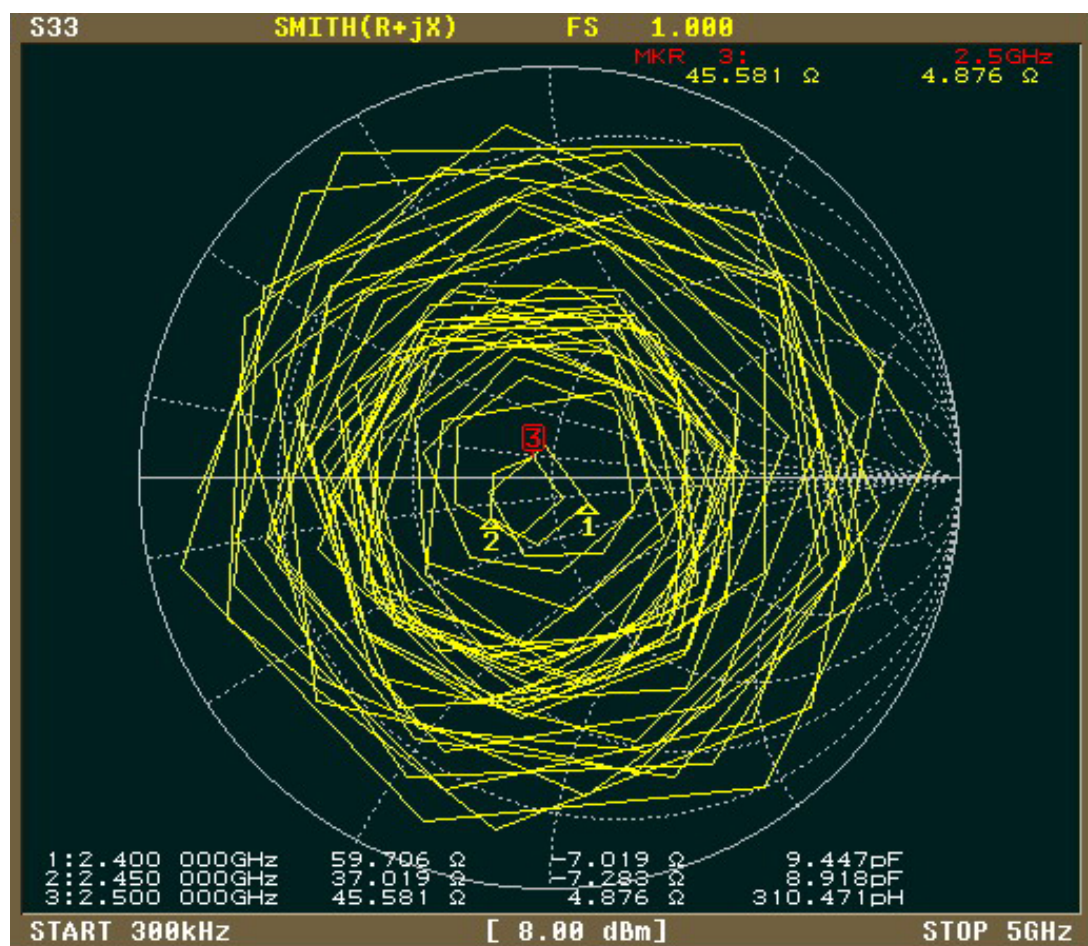


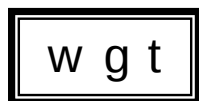


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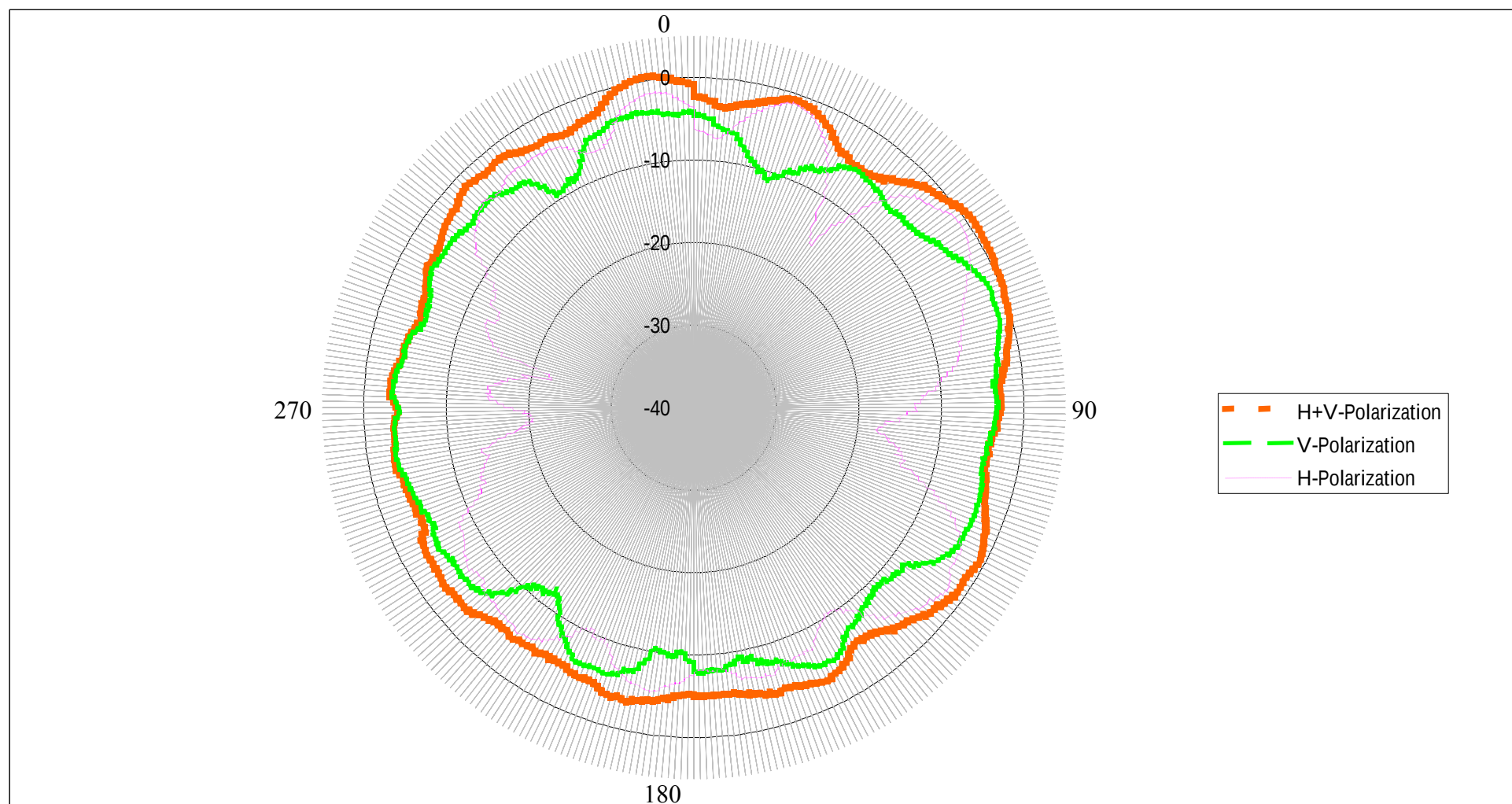


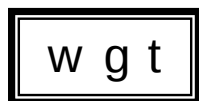


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4. Radiation Pattern of XY Plane (Azimuth)-2.45GHz





5. Peak Gain and Average Gain

Antenna	Gain of XY Plane (Azimuth)		
	Polariztion		2.45GHz-R
E12B	V	Peak	-1.28
		Average	-5.26
	H	Peak	-0.75
		Average	-6.00
	H+V	Peak	0.79
		Average	-2.60