

DATE : 2008/07/02

CUSTOMER : ECS ELITEGROUP

TEST REPORT

MODEL	J10-WLAN
DESCRIPTION	PIFA For Wireless LAN Antenna 2.4~2.5GHZ /4.9~5.875GHZ
SUPPLIER P/N	DMLP151-0001
CUSTOMER P/N	22G643000-10
FILE P/N	

SPEEDTECH			CUSTOMER	
Manager	Supervisor	Engineer		
Y.J	LUN	LUN		



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TEL: 886-3-2120088

FAX: 886-3-2121712

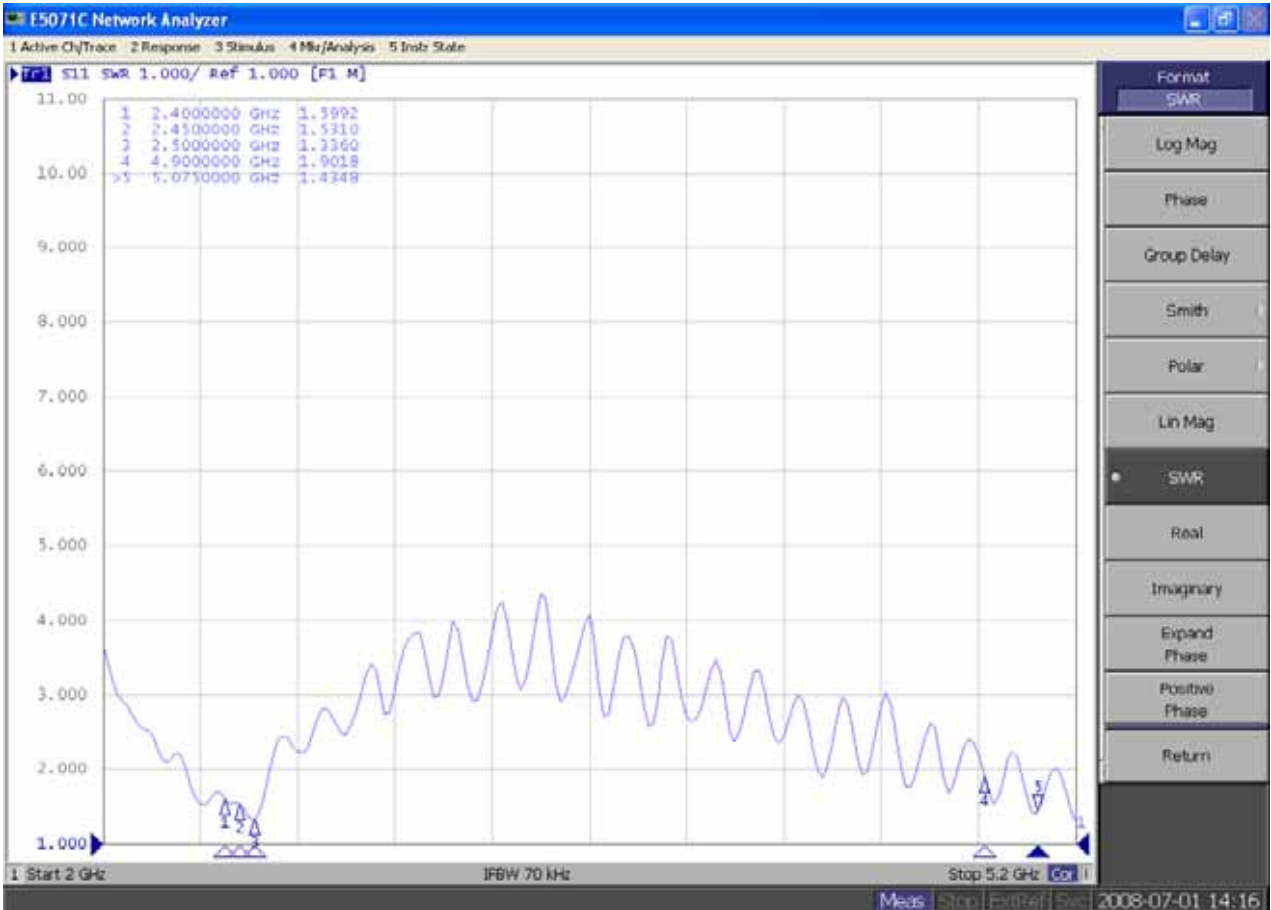
<http://www.speedtech.com.tw>

1.WLAN Ant./ (LEFT)

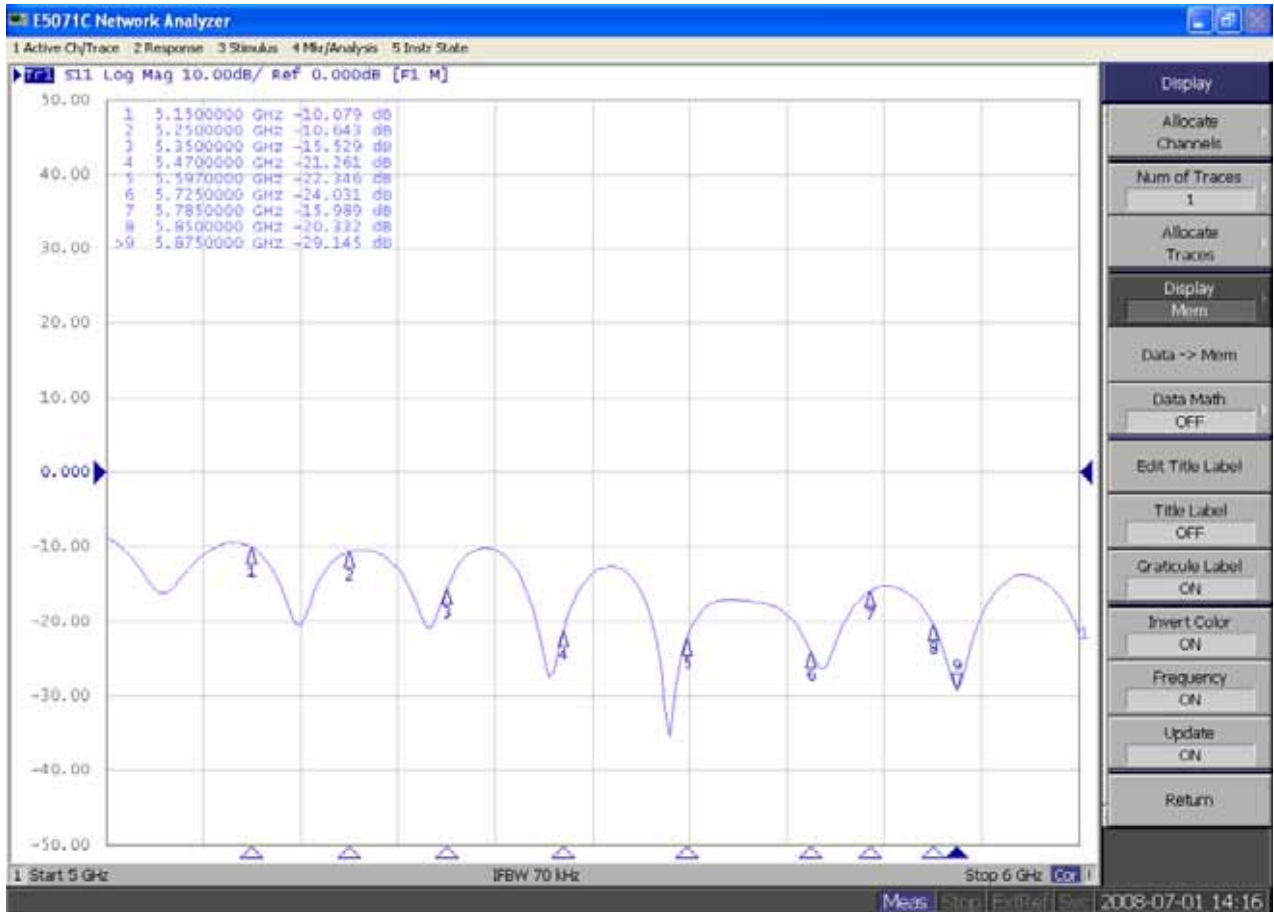
2.4~2.5GHZ & 4.9~5.075GHZ / Return Loss



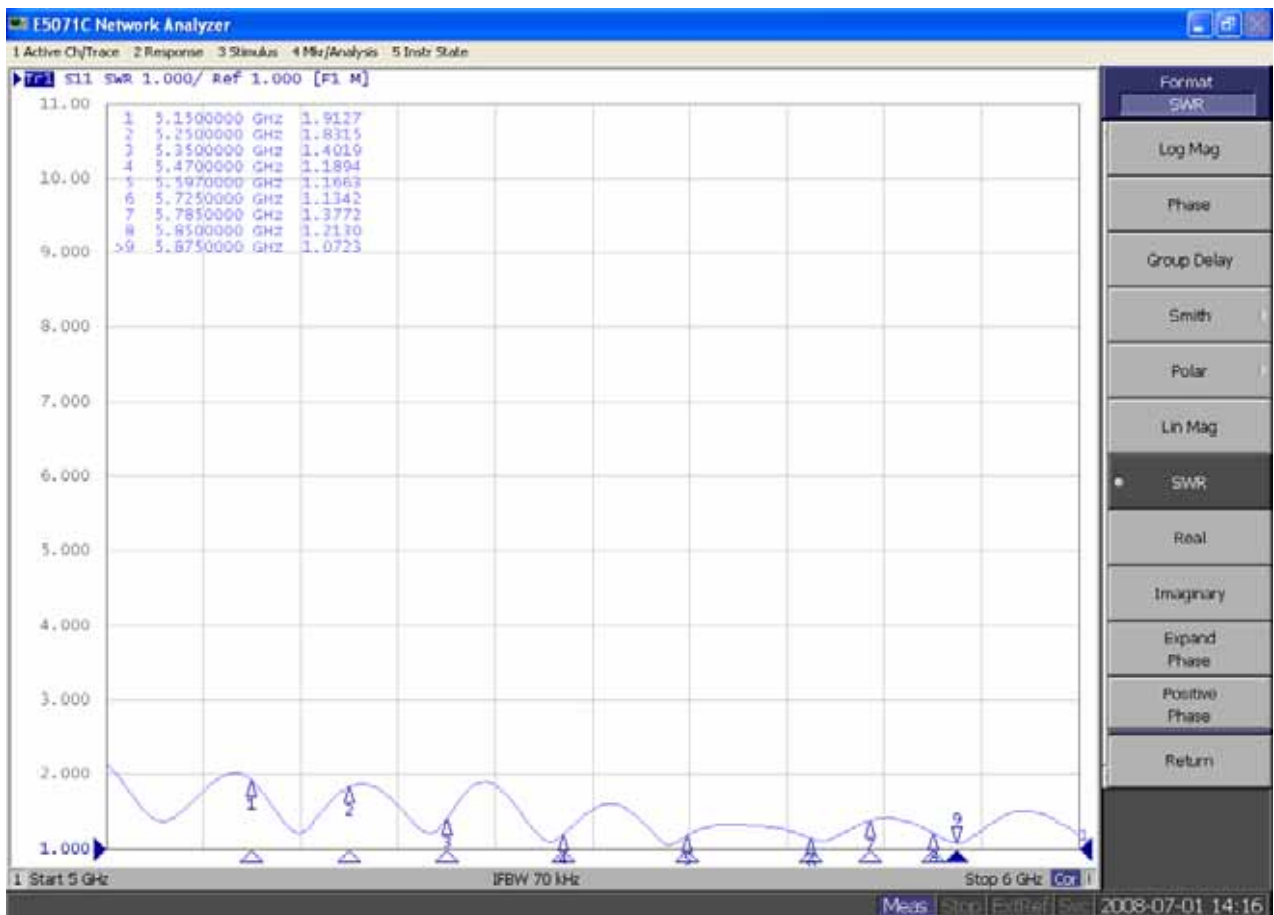
2.4~2.5GHZ & 4.9~5.075GHZ / VSWR



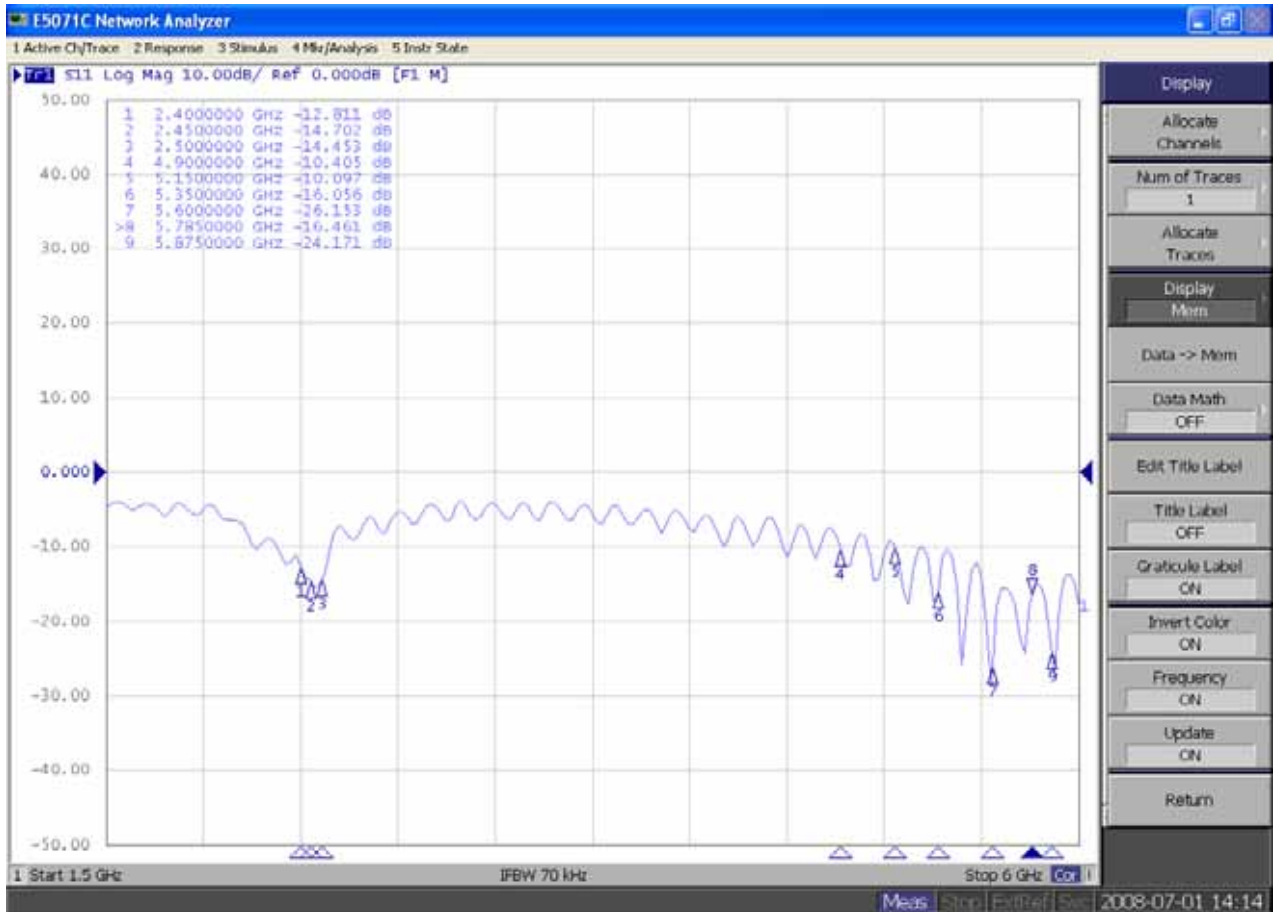
5.15~5.875GHZ / Return Loss



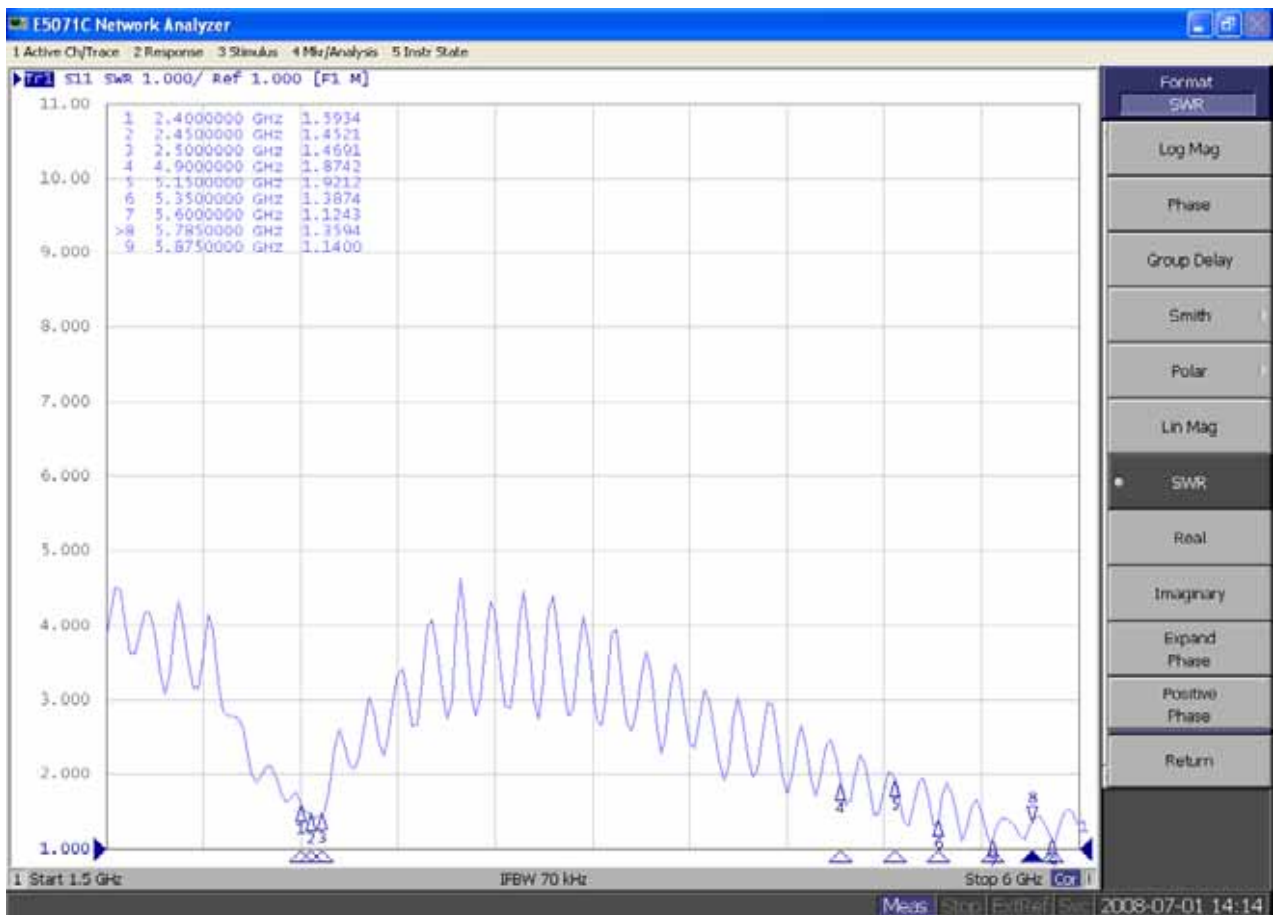
5.15~5.875GHZ/VSWR



2.4~2.5GHZ & 5.15~5.875GHZ / Return Loss



2.4~2.5GHZ & 5.15~5.875GHZ/VSWR

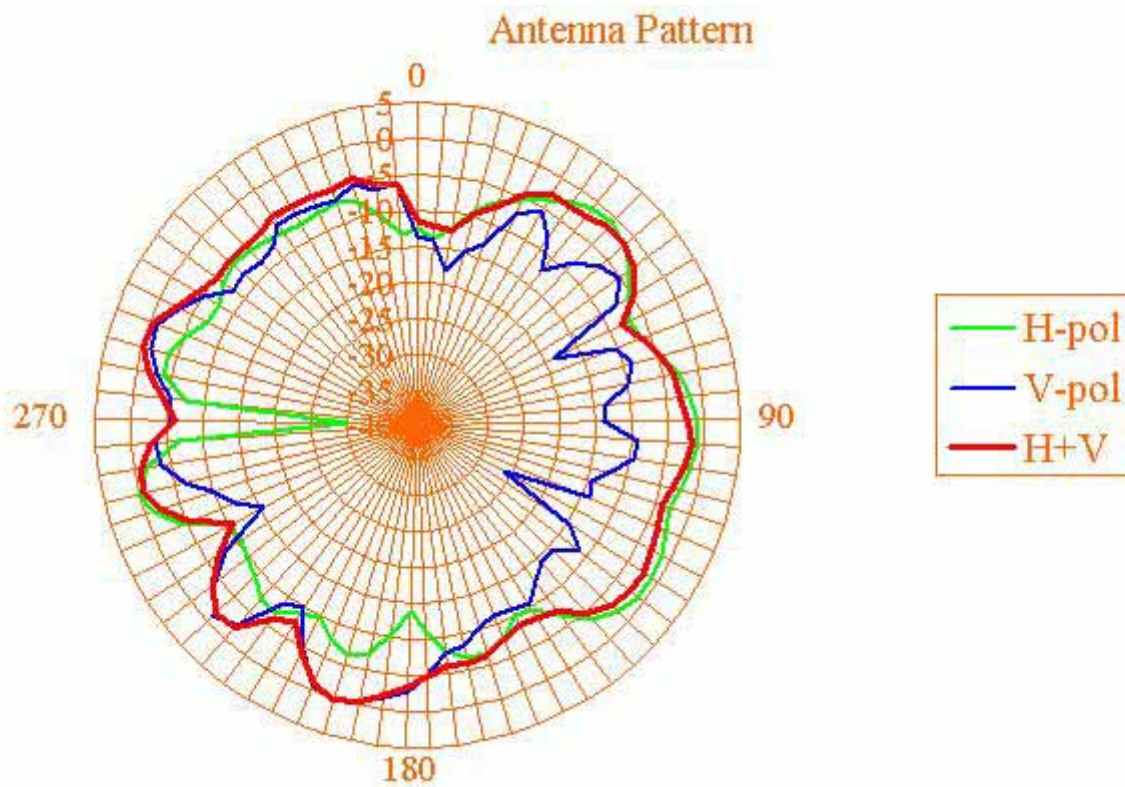


2.Gain & Pattern –LEFT

a. 2.4GHz



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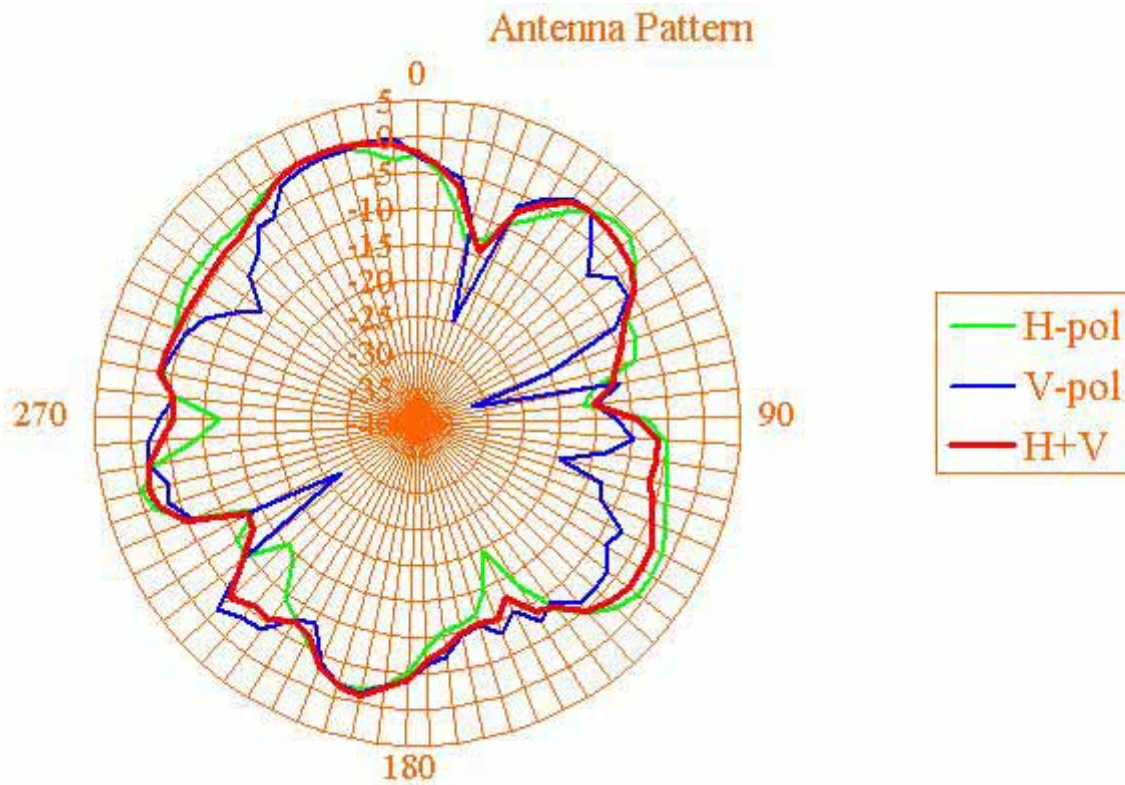


	H-Pol	E-Pol	H+V
Average Gain	-6.85	-7.36	-4.08
Peak Gain	-2.03	-1.03	-0.33

b. 2.45GHz



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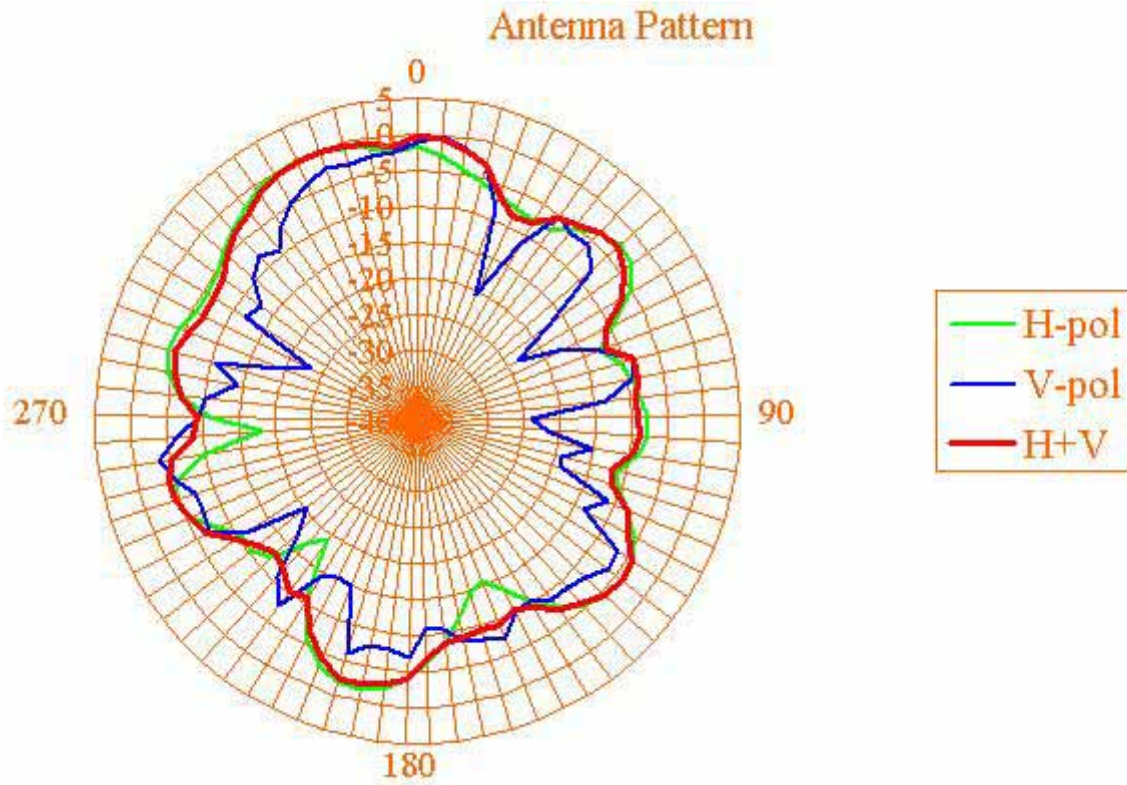


	H-Pol	E-Pol	H+V
Average Gain	-6.26	-7.51	-3.83
Peak Gain	-2.07	-2.19	0.47

c. 2.5GHz



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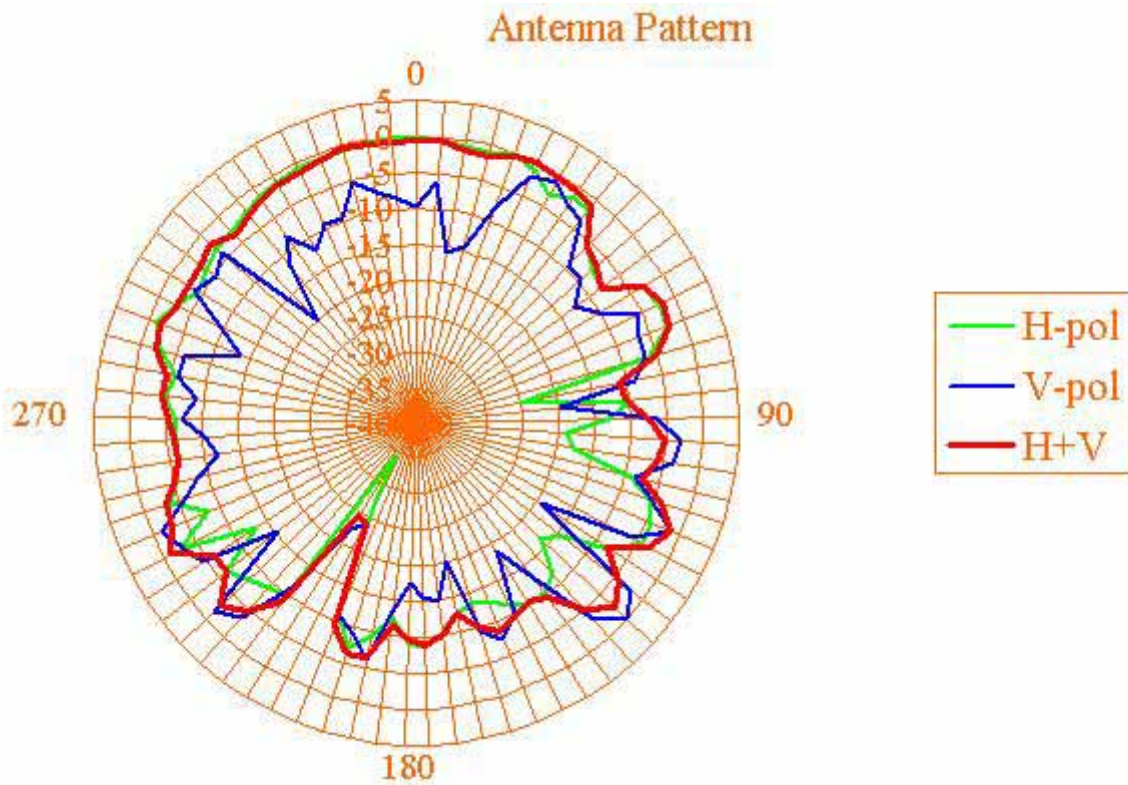


	H-Pol	E-Pol	H+V
Average Gain	-5.59	-9.11	-3.99
Peak Gain	-0.46	-1.55	1.03

d. 4.9GHz



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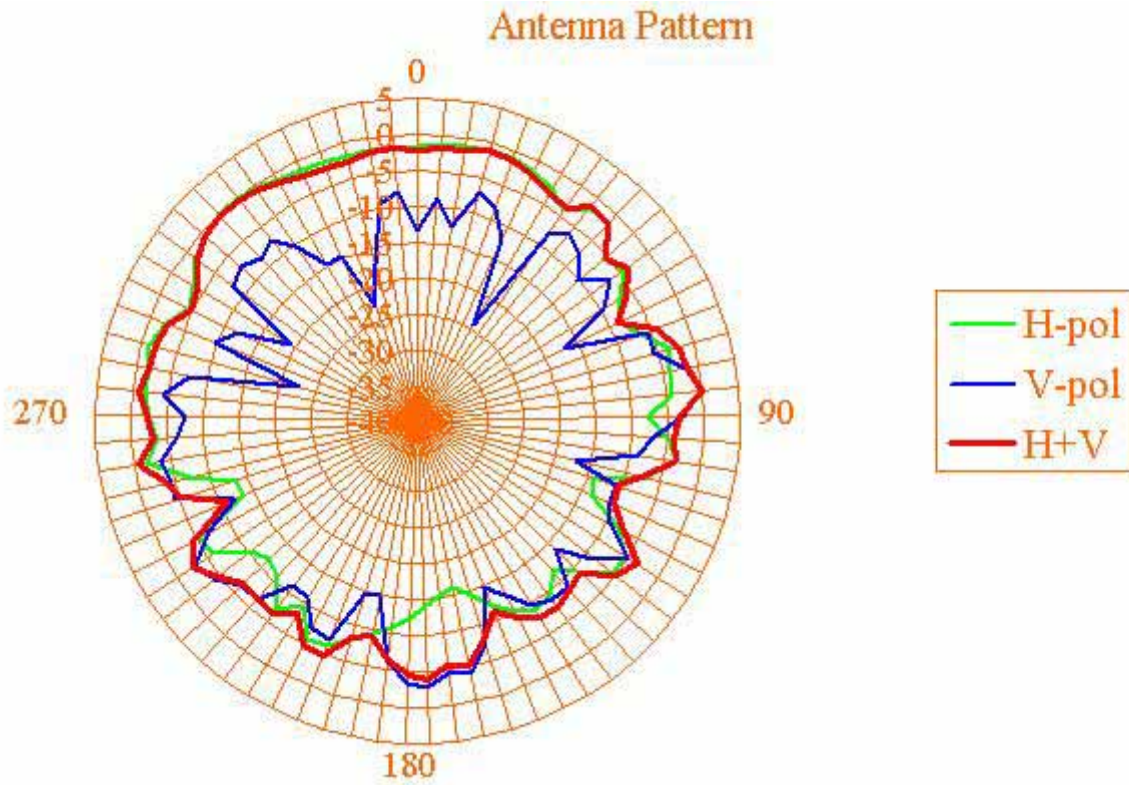


	H-Pol	E-Pol	H+V
Average Gain	-6.36	-9.96	-4.79
Peak Gain	-1.74	-3.46	-0.99

e. 5.15GHz



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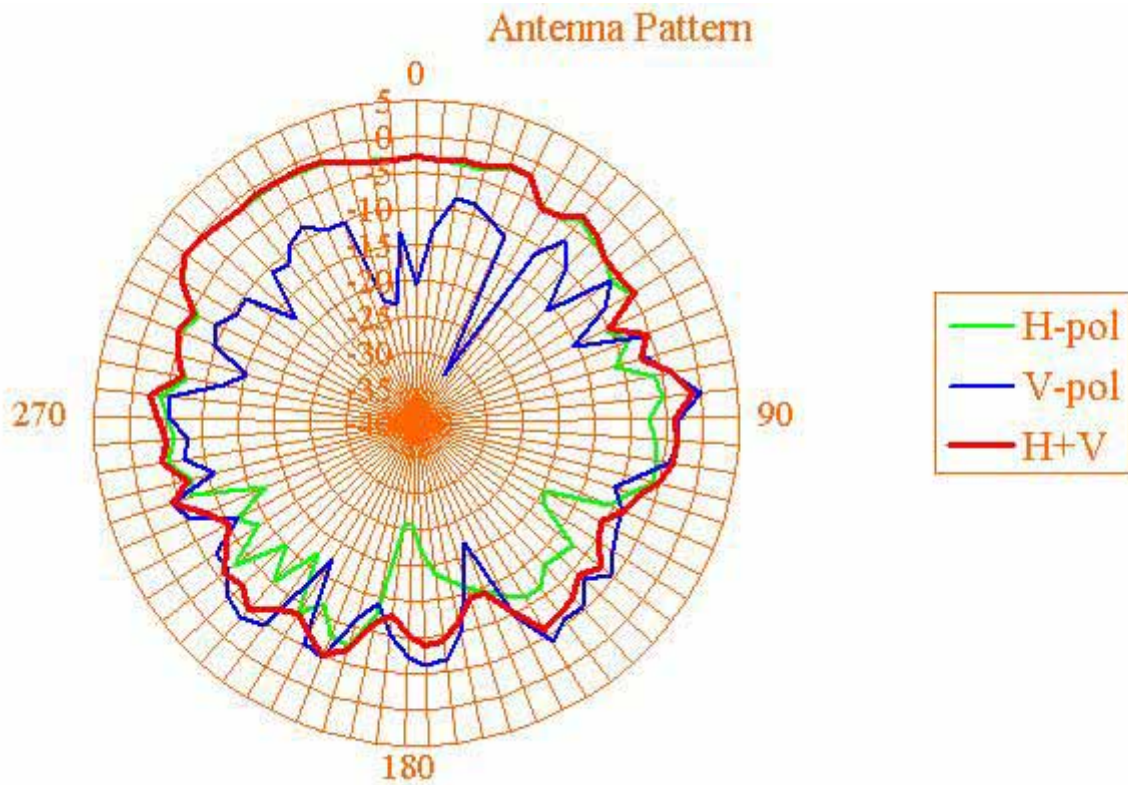


	H-Pol	E-Pol	H+V
Average Gain	-6.20	-10.01	-4.69
Peak Gain	-1.94	-2.74	-1.10

f. 5.25GHz



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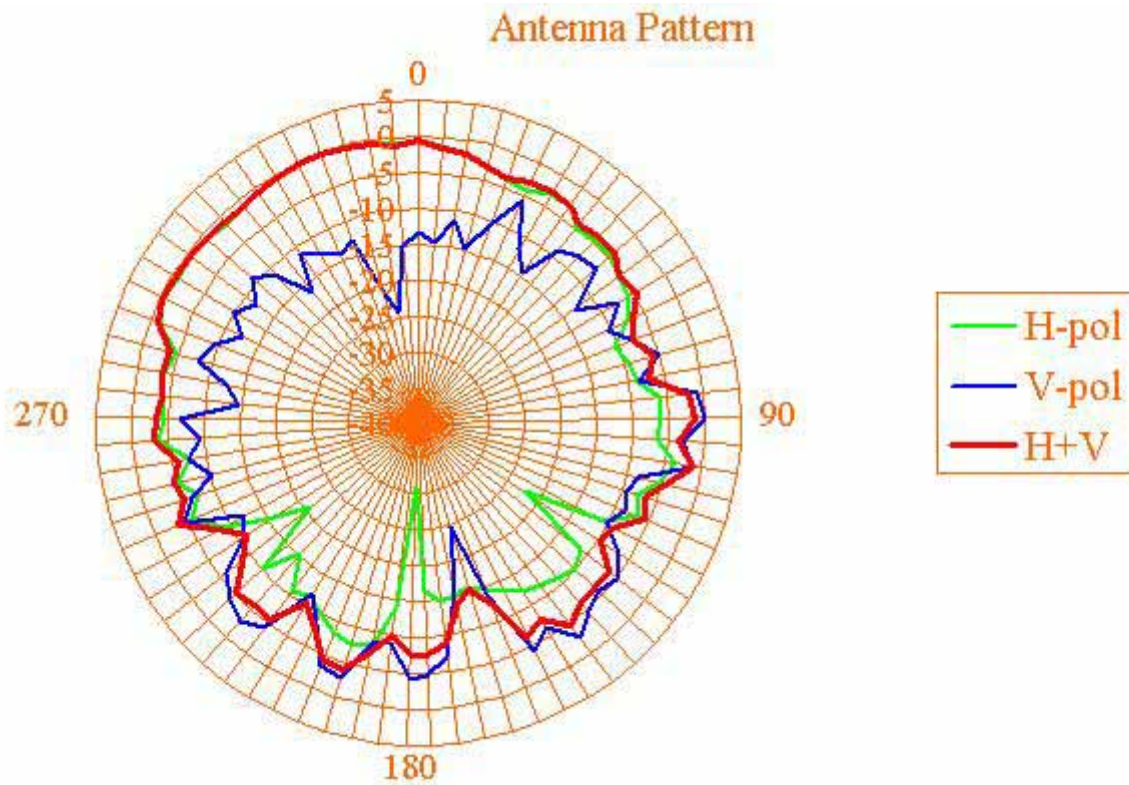


	H-Pol	E-Pol	H+V
Average Gain	-5.67	-10.53	-4.44
Peak Gain	0.00	-2.98	0.18

g. 5.35GHz



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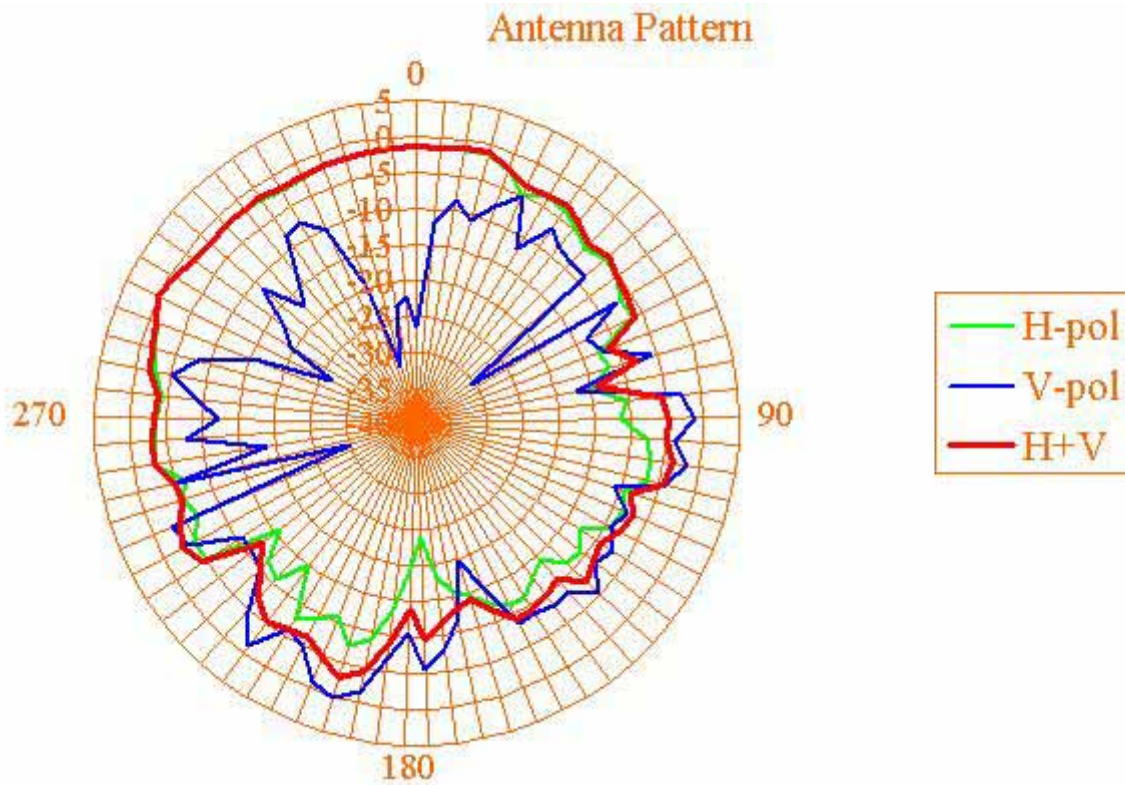


	H-Pol	E-Pol	H+V
Average Gain	-5.80	-11.21	-4.70
Peak Gain	-1.02	-4.16	-0.91

h. 5.47GHz



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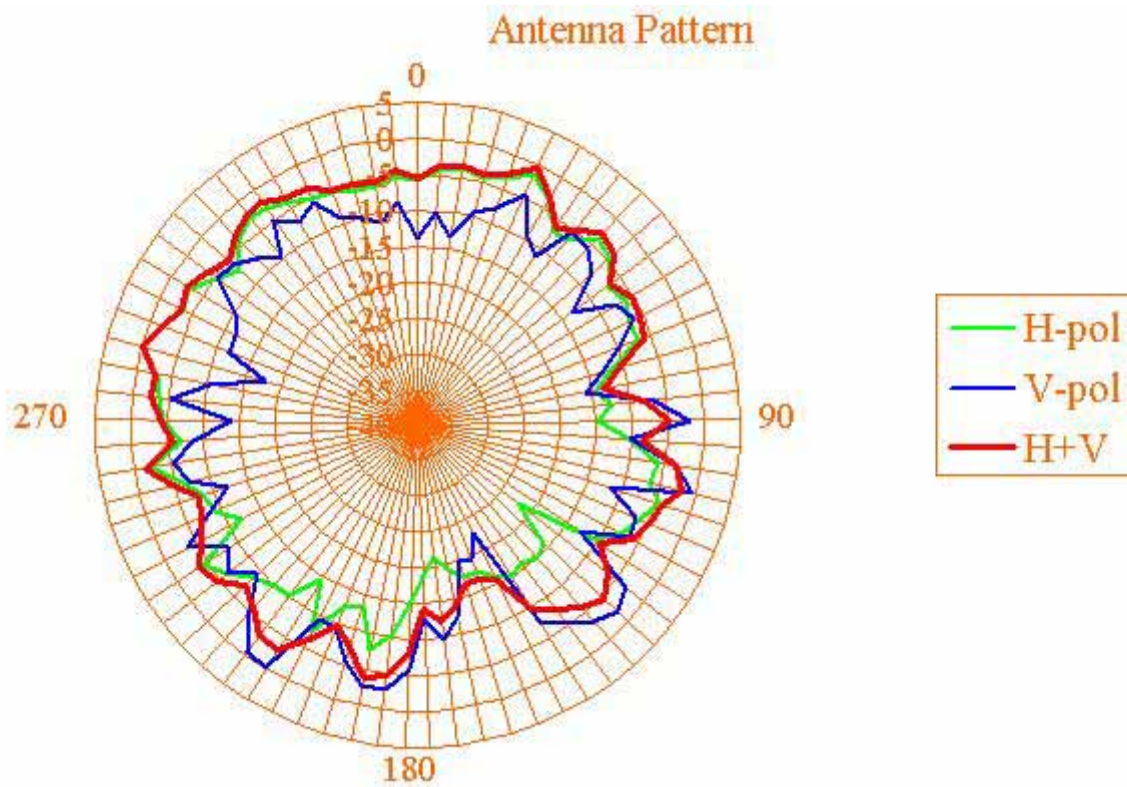


	H-Pol	E-Pol	H+V
Average Gain	-5.70	-12.24	-4.83
Peak Gain	-0.59	-5.16	-0.59

i. 5.6GHz



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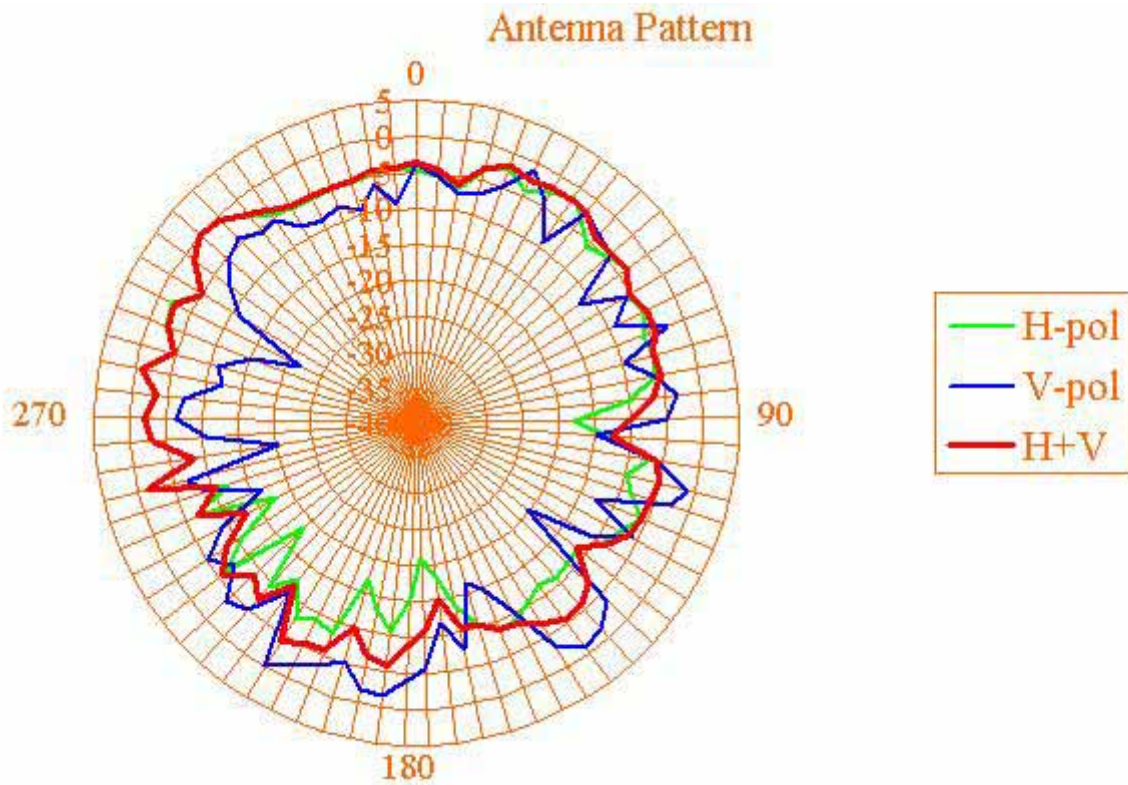


	H-Pol	E-Pol	H+V
Average Gain	-6.31	-9.90	-4.73
Peak Gain	-0.02	-3.30	0.01

j. 5.725GHz



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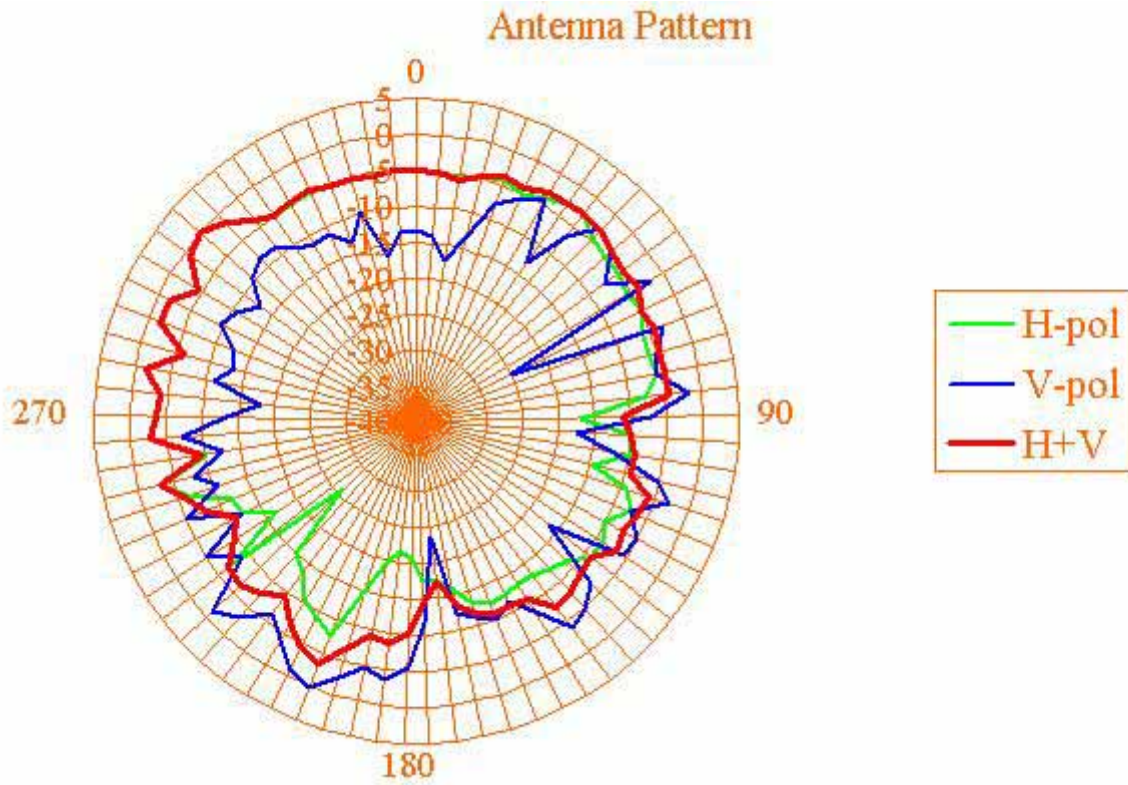


	H-Pol	E-Pol	H+V
Average Gain	-5.92	-11.28	-4.81
Peak Gain	-0.28	-5.68	0.06

k. 5.785GHz



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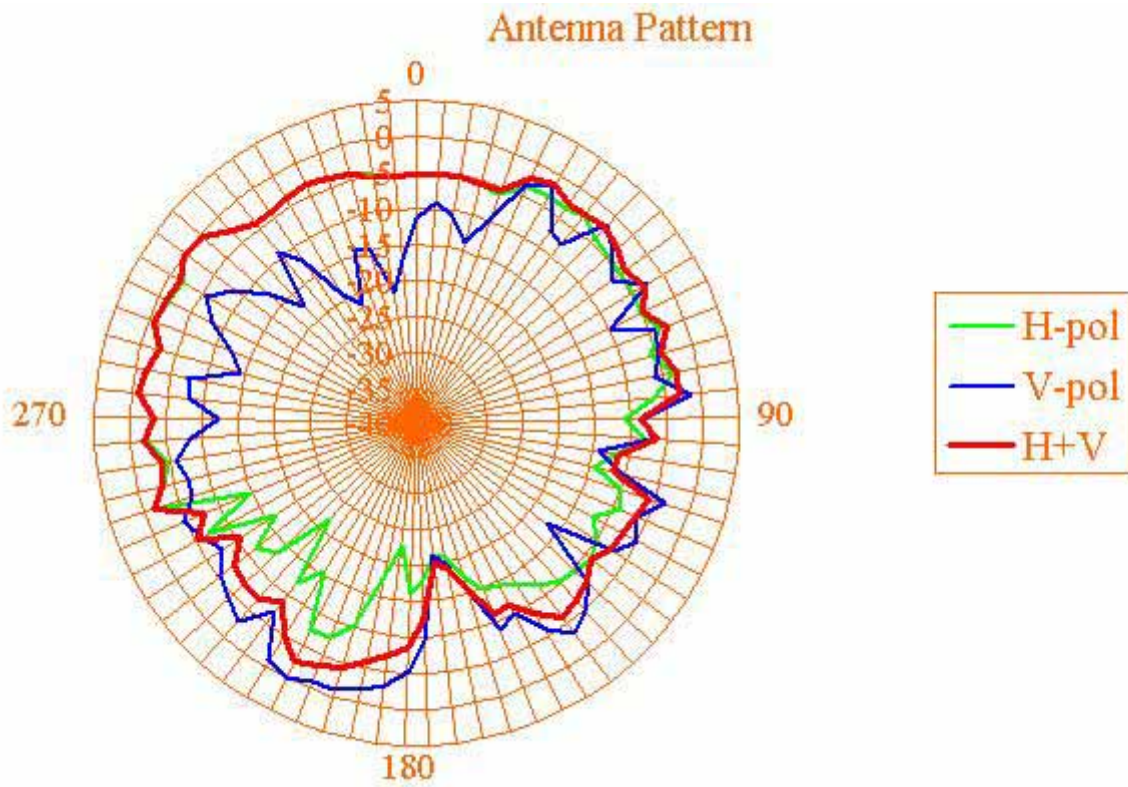


	H-Pol	E-Pol	H+V
Average Gain	-5.82	-11.32	-4.74
Peak Gain	0.37	-4.73	0.50

1. 5.85GHz



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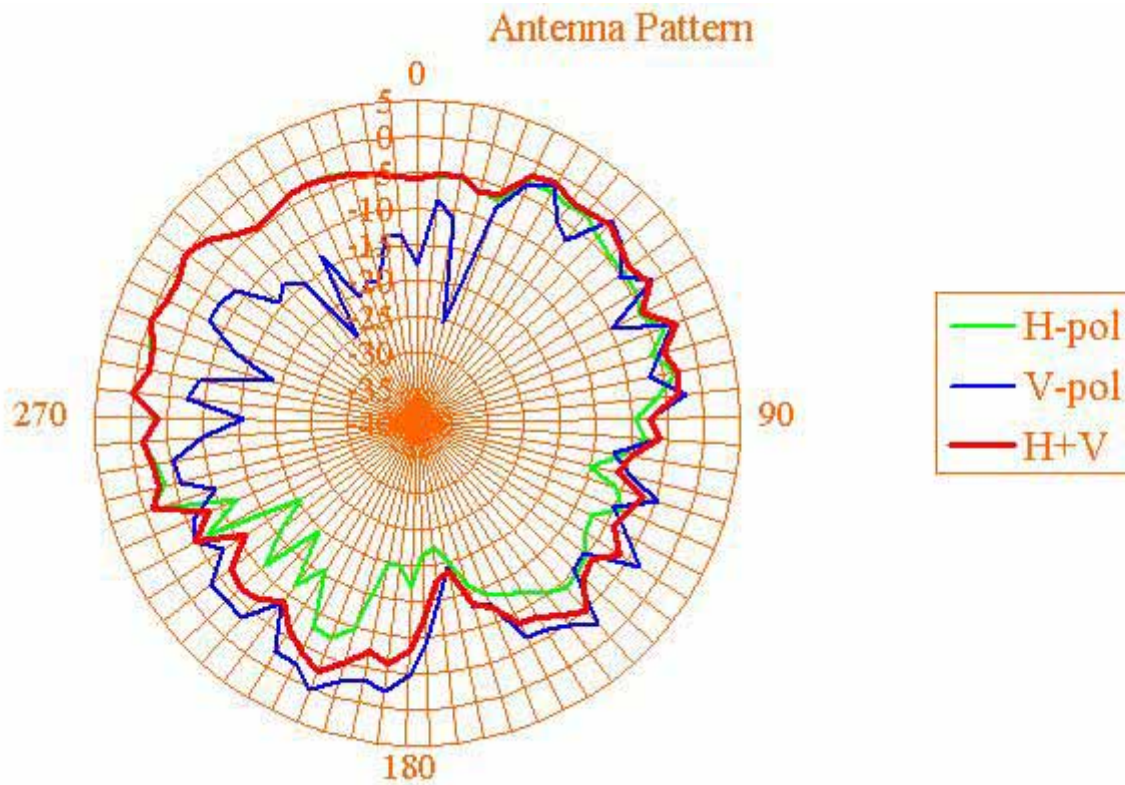


	H-Pol	E-Pol	H+V
Average Gain	-6.07	-10.65	-4.77
Peak Gain	-0.61	-4.58	-0.38

m. 5.875GHz



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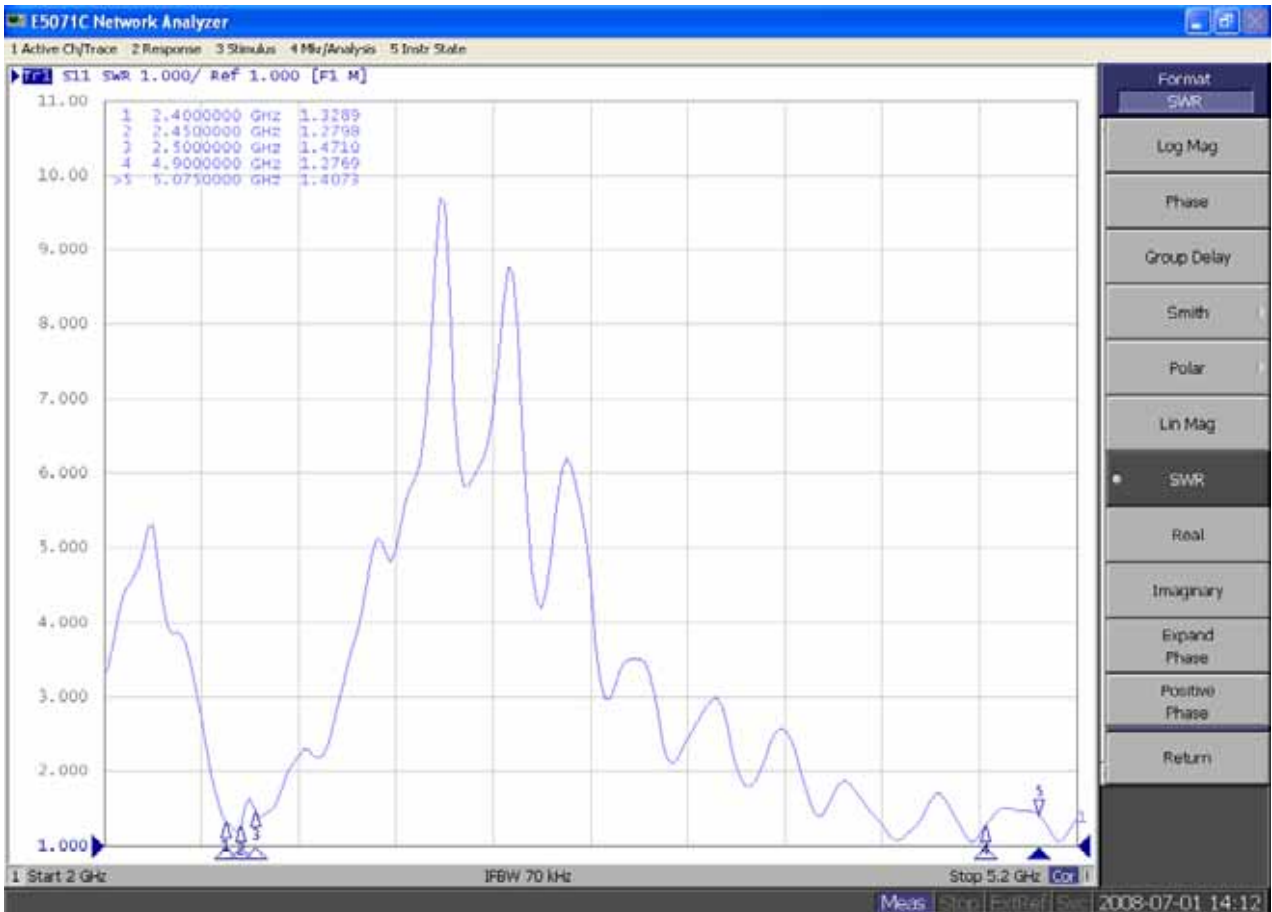
	H-Pol	E-Pol	H+V
Average Gain	-6.17	-10.74	-4.87
Peak Gain	-0.91	-4.70	-0.65

3.WLAN Ant./ (RIGHT)

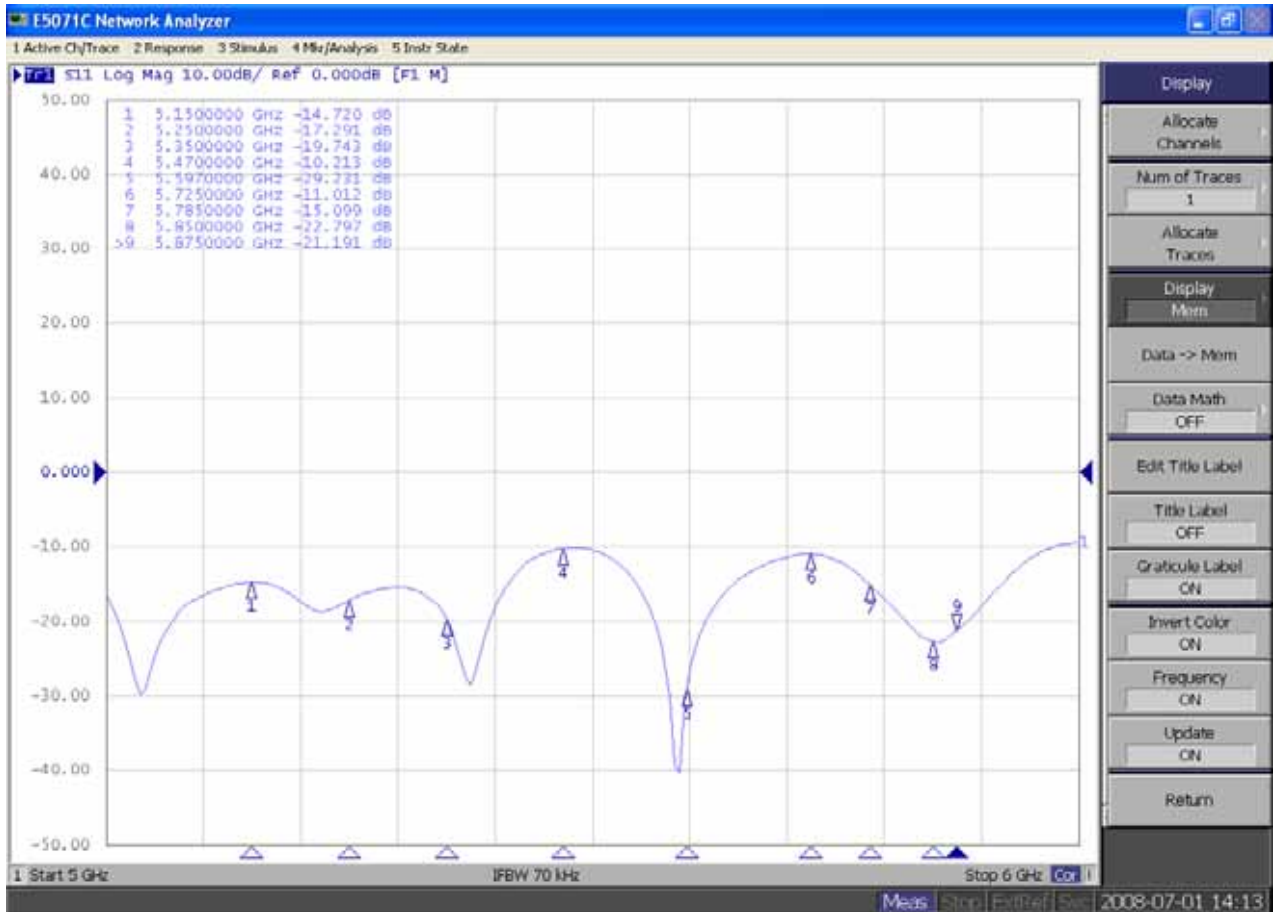
2.4~2.5GHZ & 4.9~5.075GHZ / Return Loss



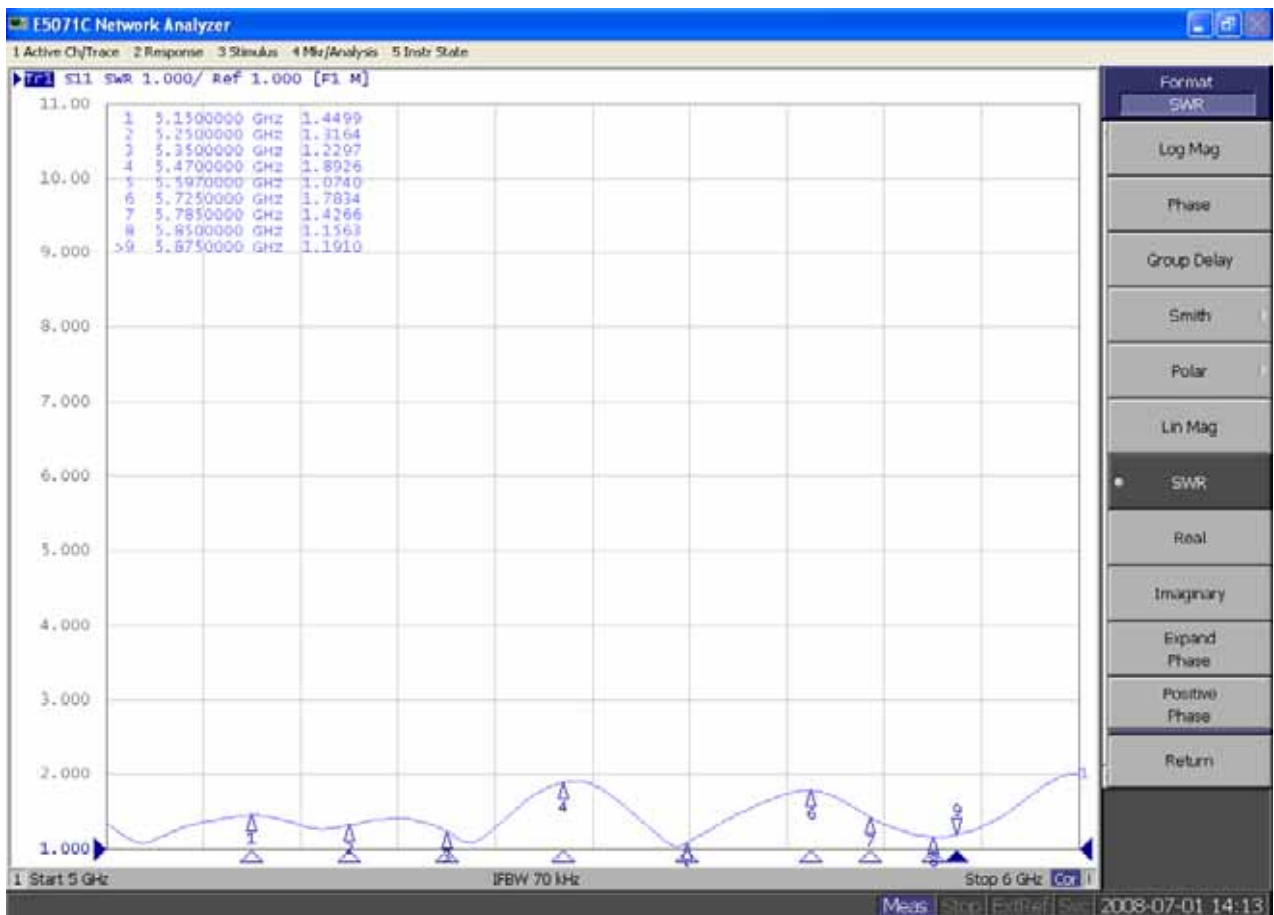
2.4~2.5GHZ & 4.9~5.075GHZ/VSWR



5.15~5.875GHZ / Return Loss



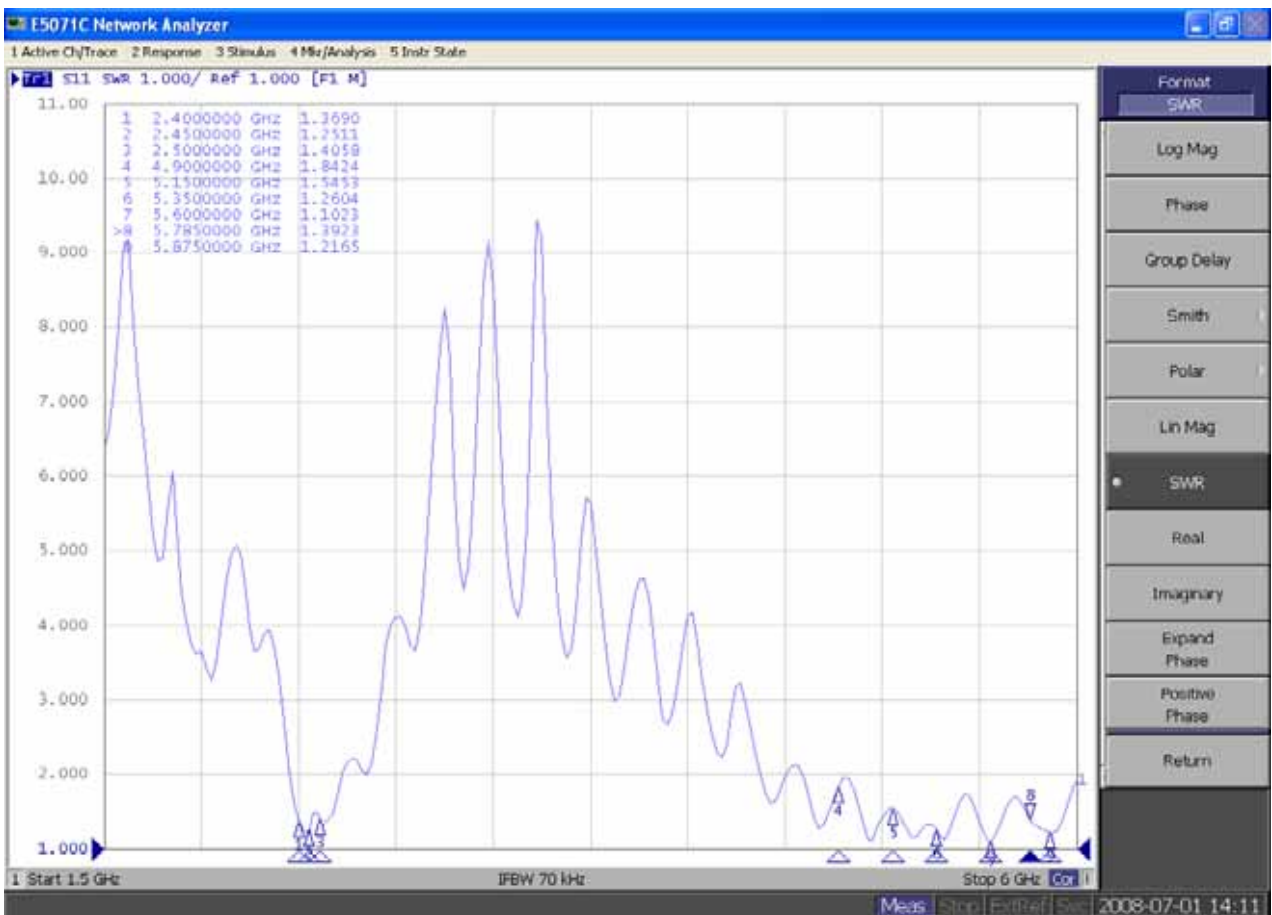
5.15~5.875GHZ/VSWR



2.4~2.5GHZ & 5.15~5.875GHZ / Return Loss



2.4~2.5GHZ & 5.15~5.875GHZ/VSWR

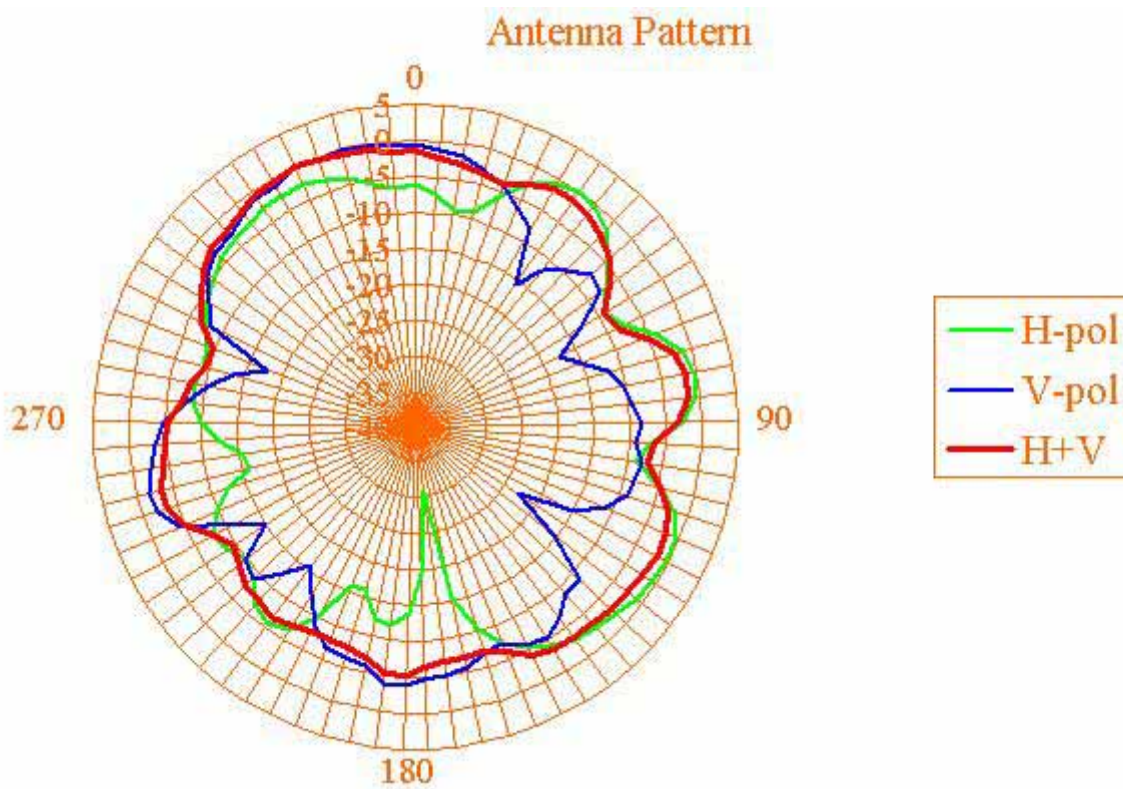


4. Gain & Pattern –RIGHT

n. 2.4GHz



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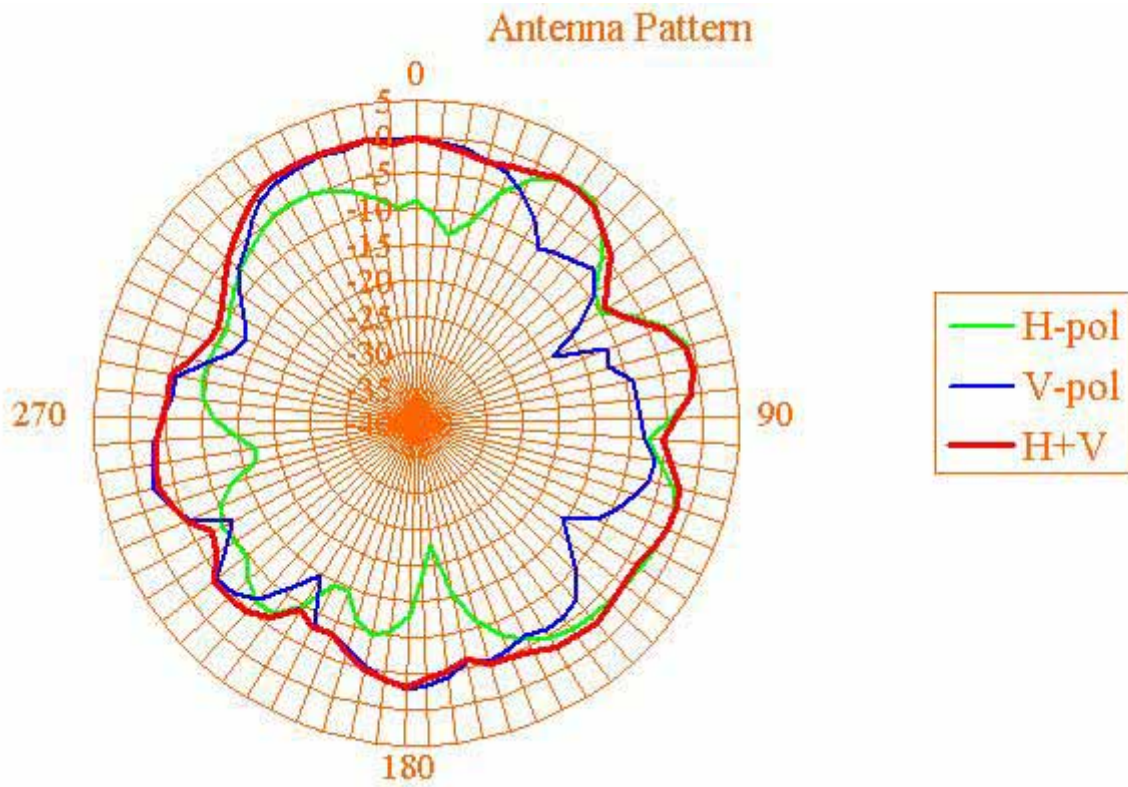


	H-Pol	E-Pol	H+V
Average Gain	-6.22	-7.12	-3.64
Peak Gain	-1.40	-1.74	0.17

o. 2.45GHz



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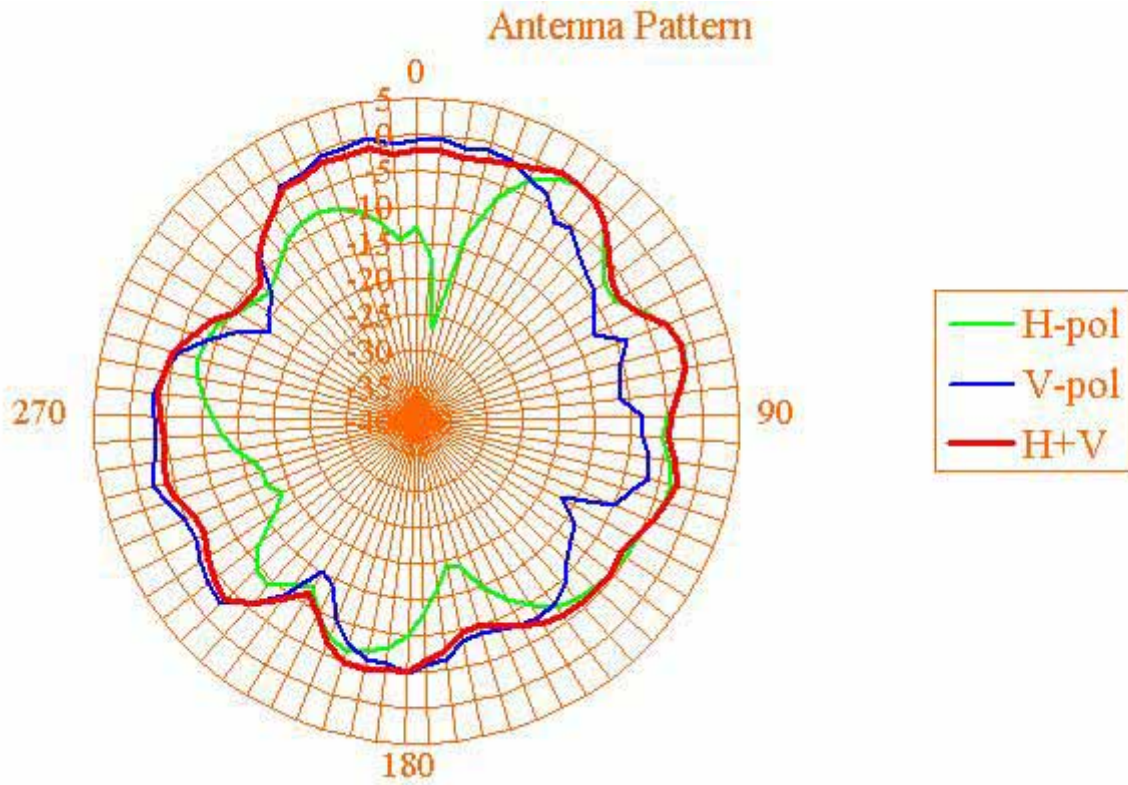


	H-Pol	E-Pol	H+V
Average Gain	-6.78	-6.28	-3.51
Peak Gain	-1.02	-1.05	-0.27

p. 2.5GHz



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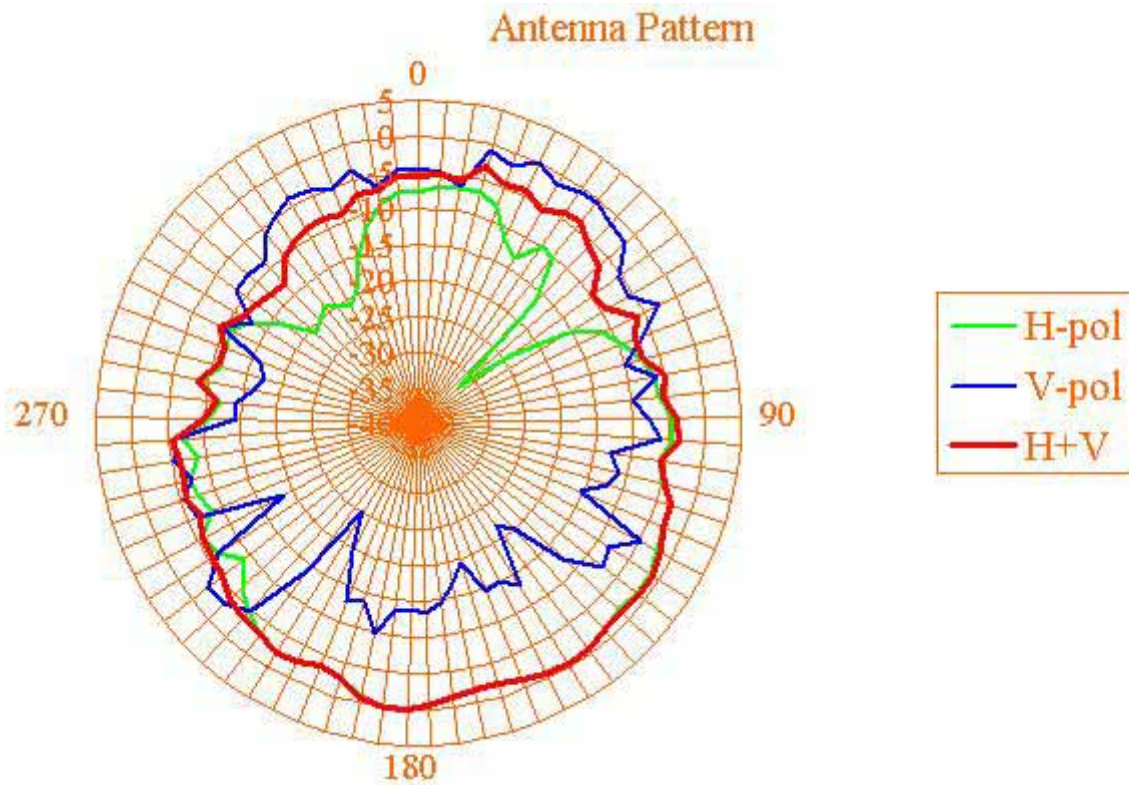


	H-Pol	E-Pol	H+V
Average Gain	-7.07	-6.43	-3.73
Peak Gain	-0.27	-1.11	0.52

q. 4.9GHz



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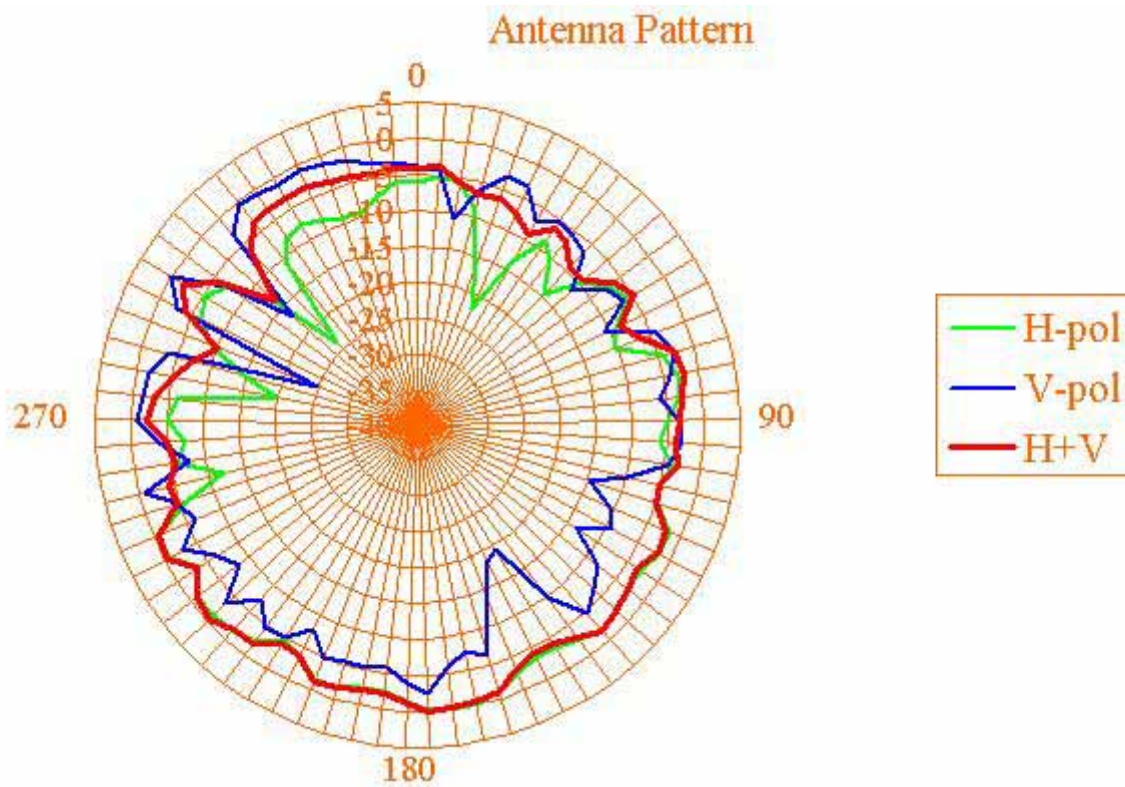


	H-Pol	E-Pol	H+V
Average Gain	-5.81	-11.99	-4.87
Peak Gain	-0.74	-5.66	-0.69

r. 5.15GHz



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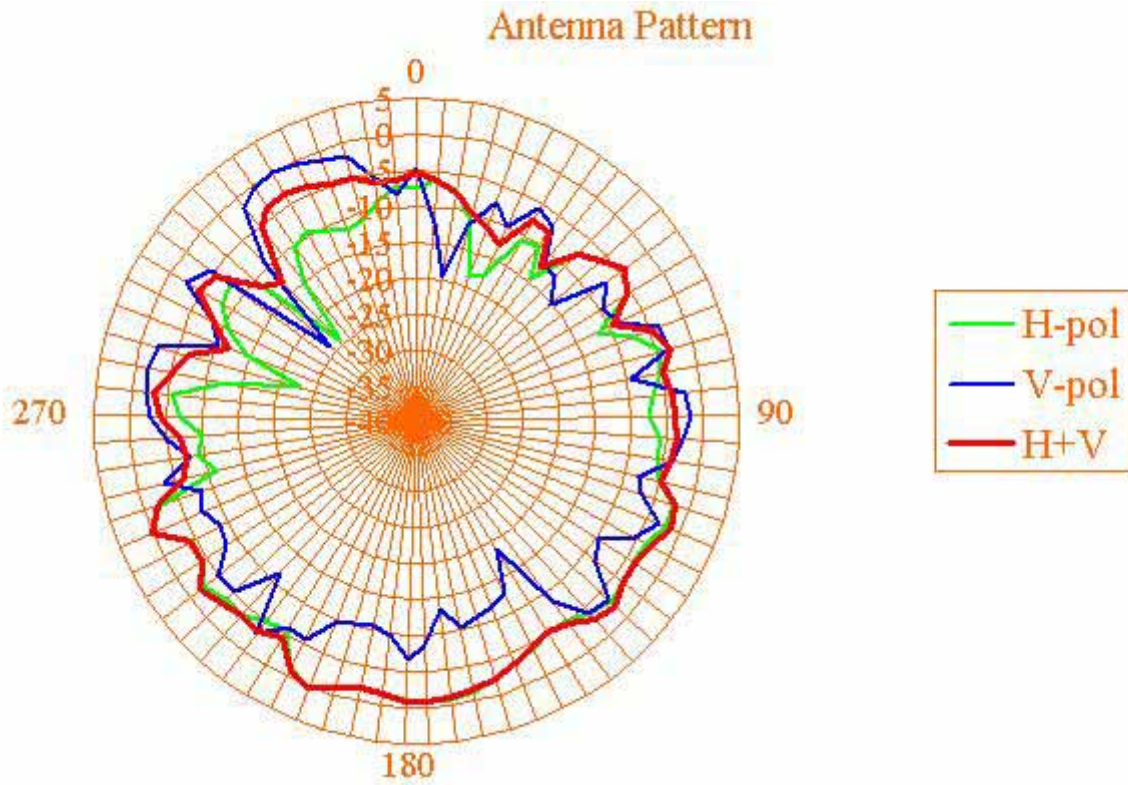


	H-Pol	E-Pol	H+V
Average Gain	-6.40	-9.87	-4.79
Peak Gain	-2.06	-5.23	-1.37

s. 5.25GHz



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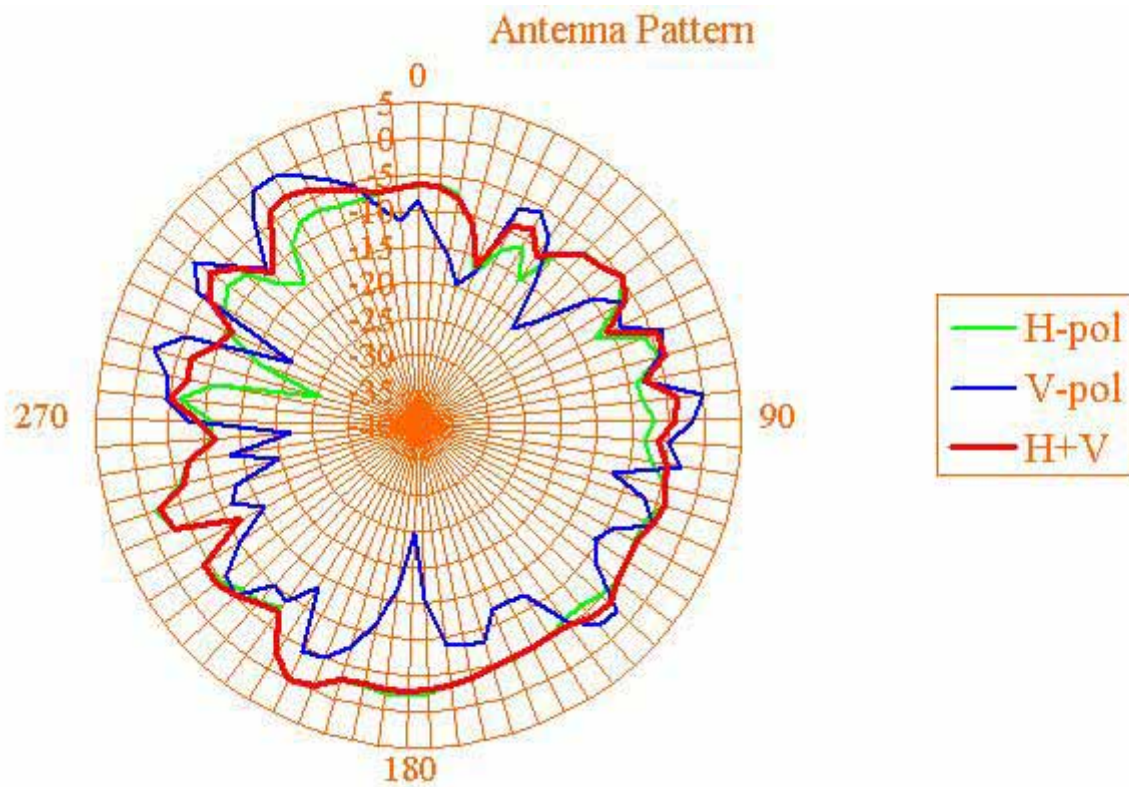


	H-Pol	E-Pol	H+V
Average Gain	-5.96	-10.47	-4.65
Peak Gain	-0.94	-4.98	-0.65

t. 5.35GHz



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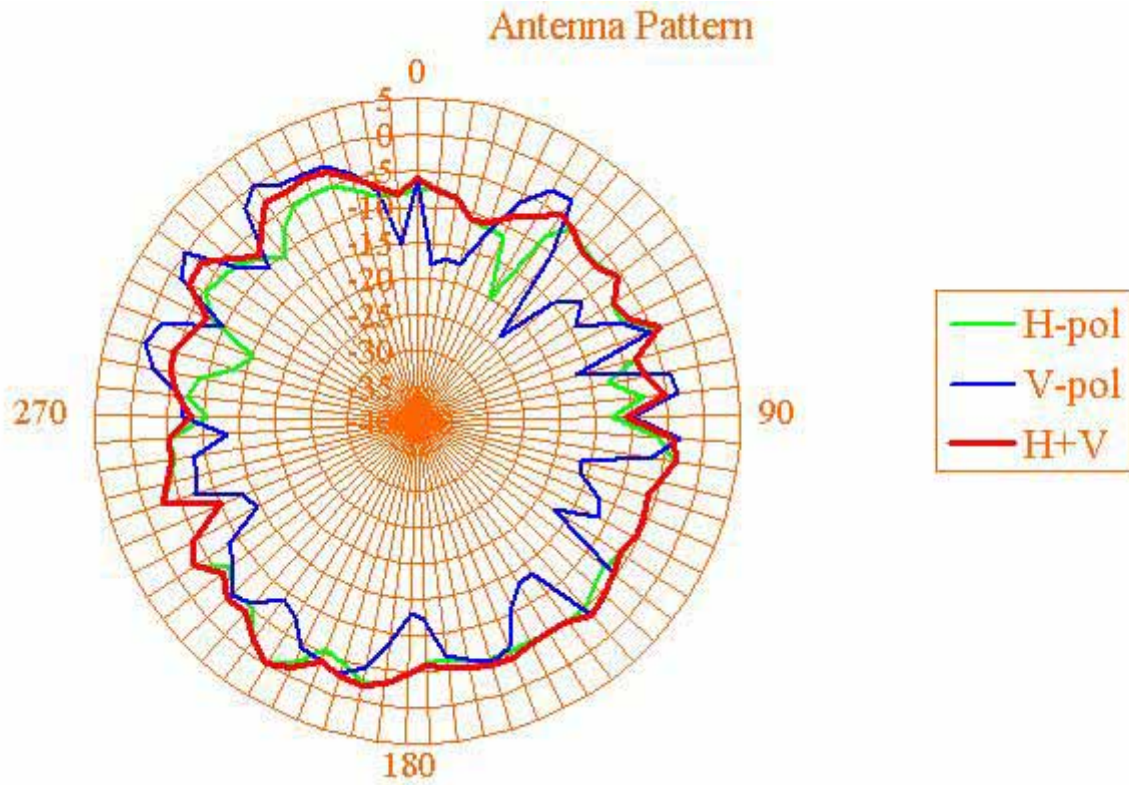


	H-Pol	E-Pol	H+V
Average Gain	-5.86	-10.72	-4.63
Peak Gain	-0.01	-4.49	0.52

u. 5.47GHz



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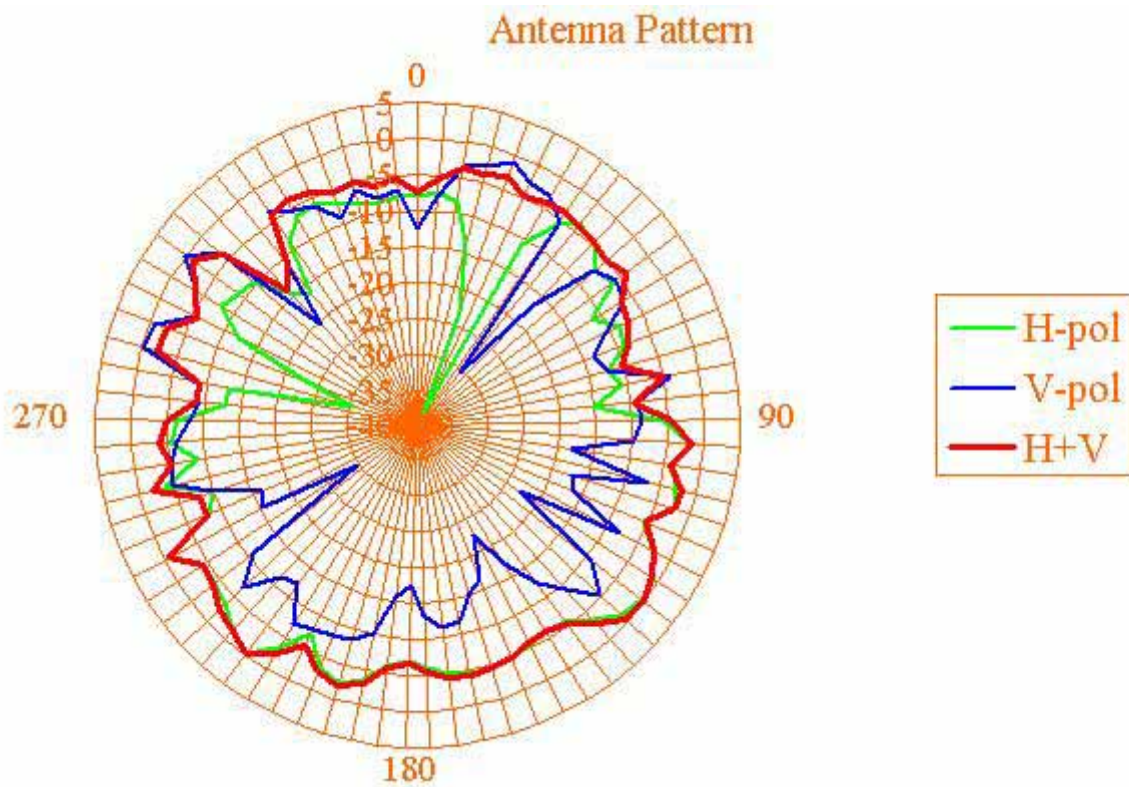


	H-Pol	E-Pol	H+V
Average Gain	-6.08	-10.30	-4.68
Peak Gain	-0.14	-4.40	0.14

v. 5.6GHz



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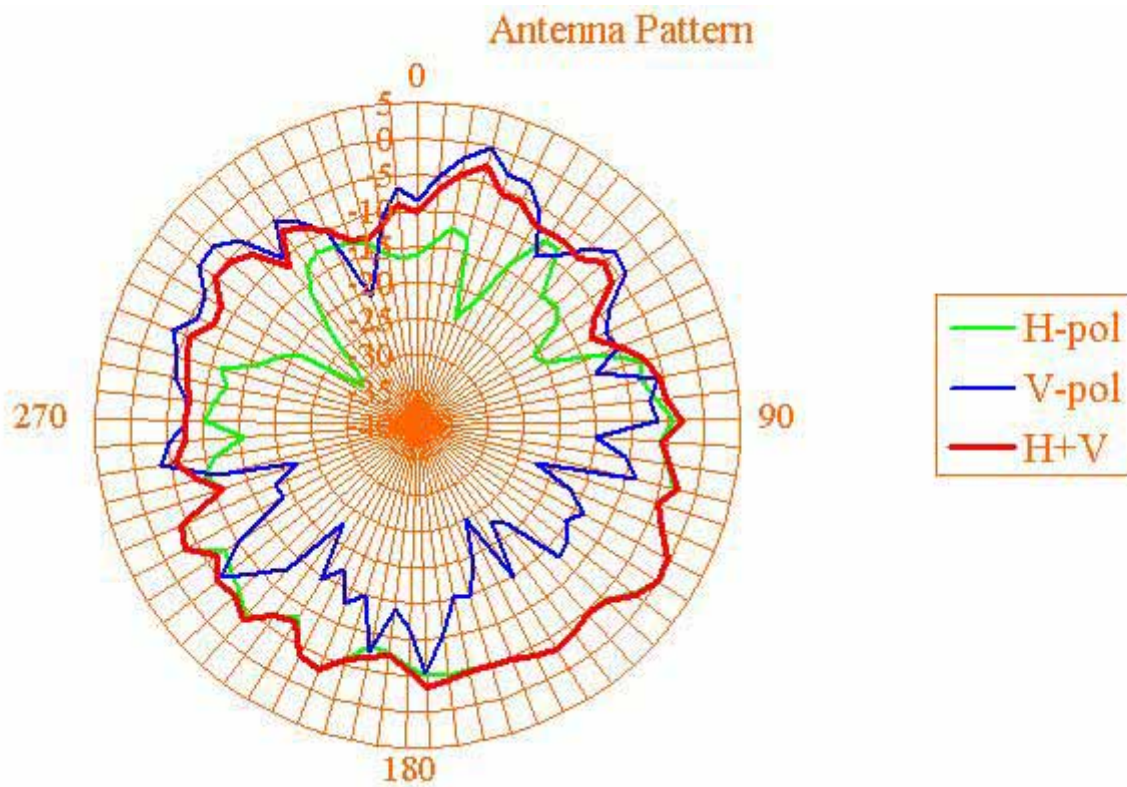


	H-Pol	E-Pol	H+V
Average Gain	-6.26	-9.55	-4.59
Peak Gain	-0.79	-2.51	-0.61

w.5.725GHz



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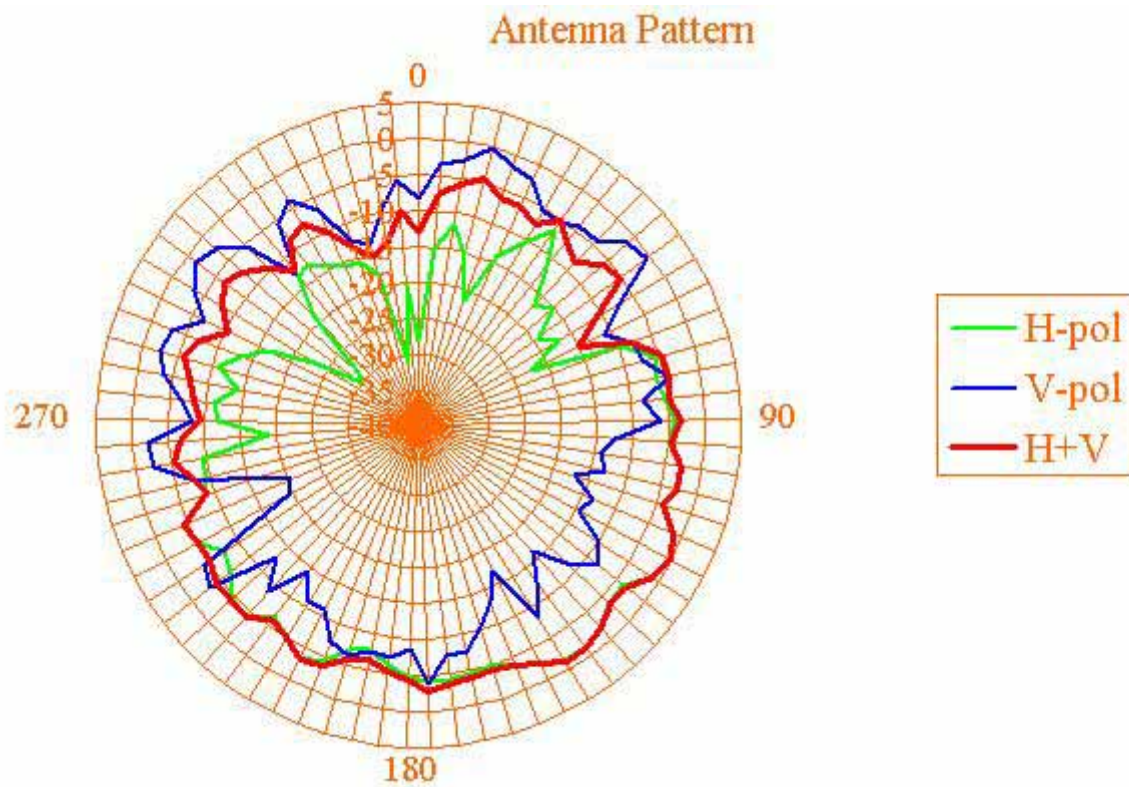


	H-Pol	E-Pol	H+V
Average Gain	-6.22	-9.77	-4.63
Peak Gain	0.71	-2.24	0.78

x. 5.785GHz



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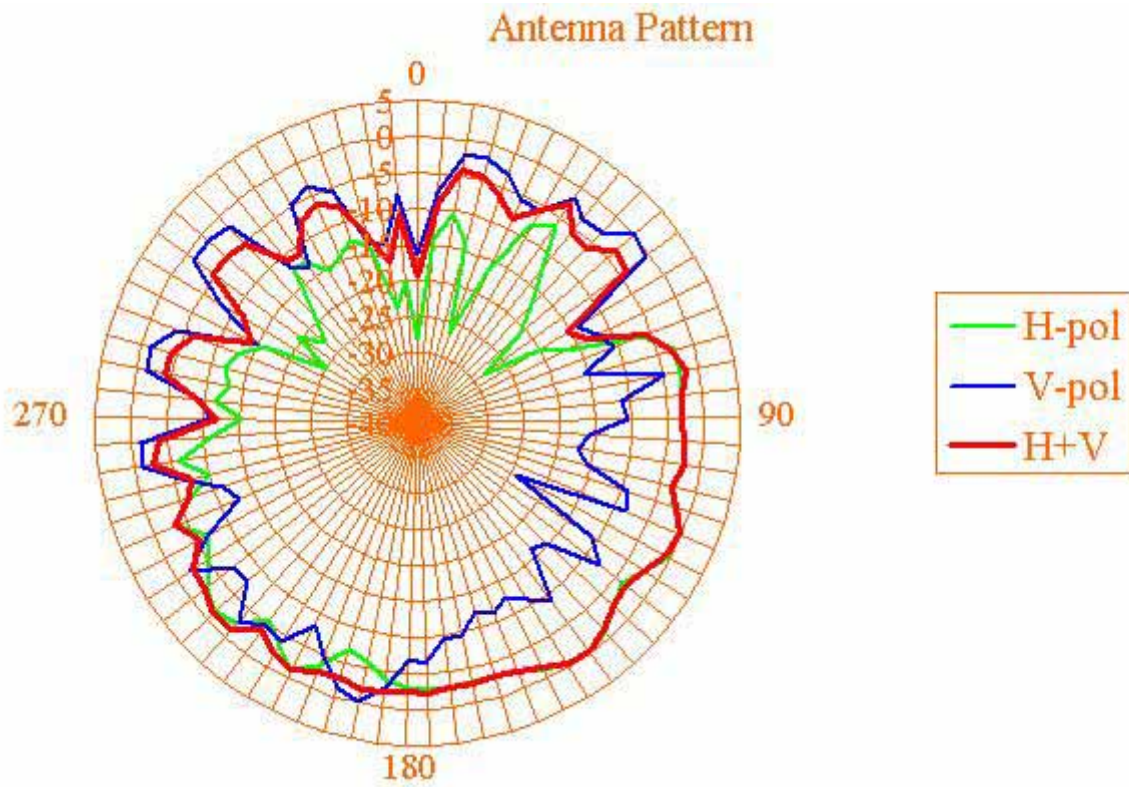


	H-Pol	E-Pol	H+V
Average Gain	-6.16	-10.59	-4.83
Peak Gain	0.22	-4.57	0.27

y. 5.85GHz



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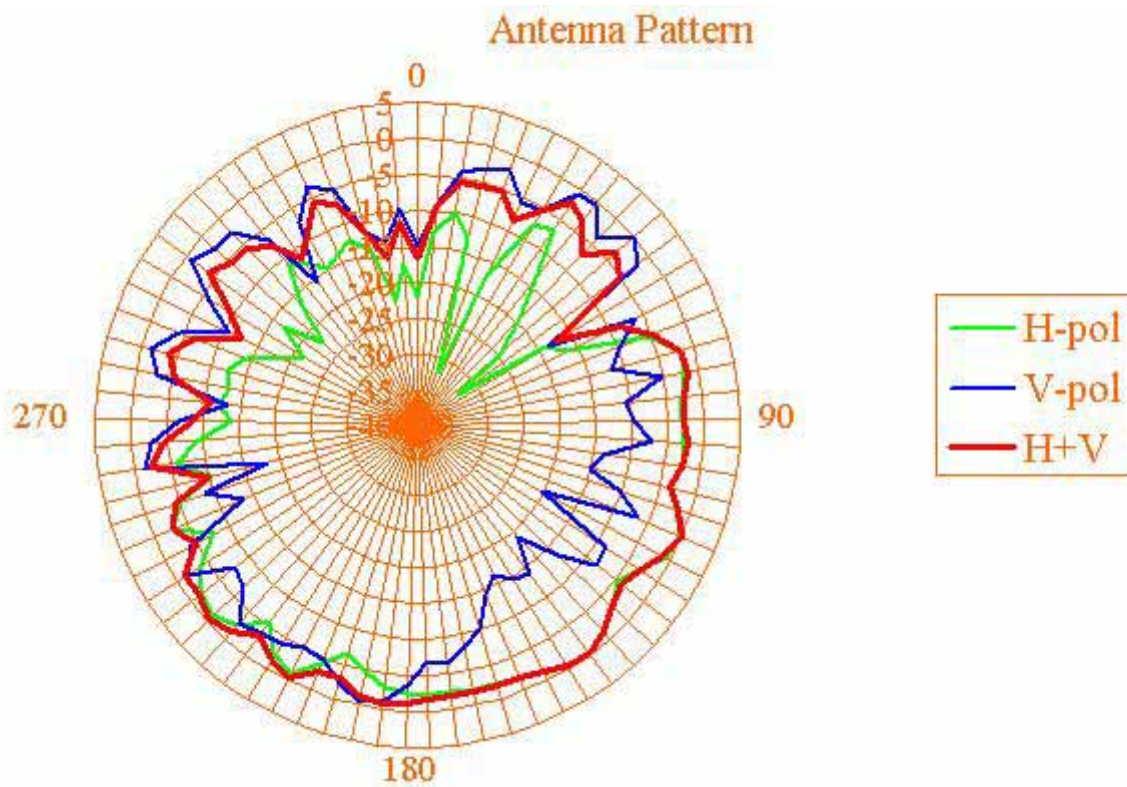


	H-Pol	E-Pol	H+V
Average Gain	-6.13	-9.54	-4.50
Peak Gain	-0.95	-4.15	-0.68

z. 5.875GHz



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	H-Pol	E-Pol	H+V
Average Gain	-6.38	-9.81	-4.76
Peak Gain	-1.44	-4.55	-1.26