

DATE : 2009/06/12

CUSTOMER : ECS ELITEGROUP

TEST REPORT

MODEL	U10-WLAN
DESCRIPTION	PCB For Wireless LAN Antenna 2.4~2.5GHZ /4.9~5.875GHZ
SUPPLIER P/N	
CUSTOMER P/N	22G641500-00(MAIN)
FILE P/N	

SPEEDTECH			CUSTOMER	
Manager	Supervisor	Engineer		
Y.J	LUN	LUN		



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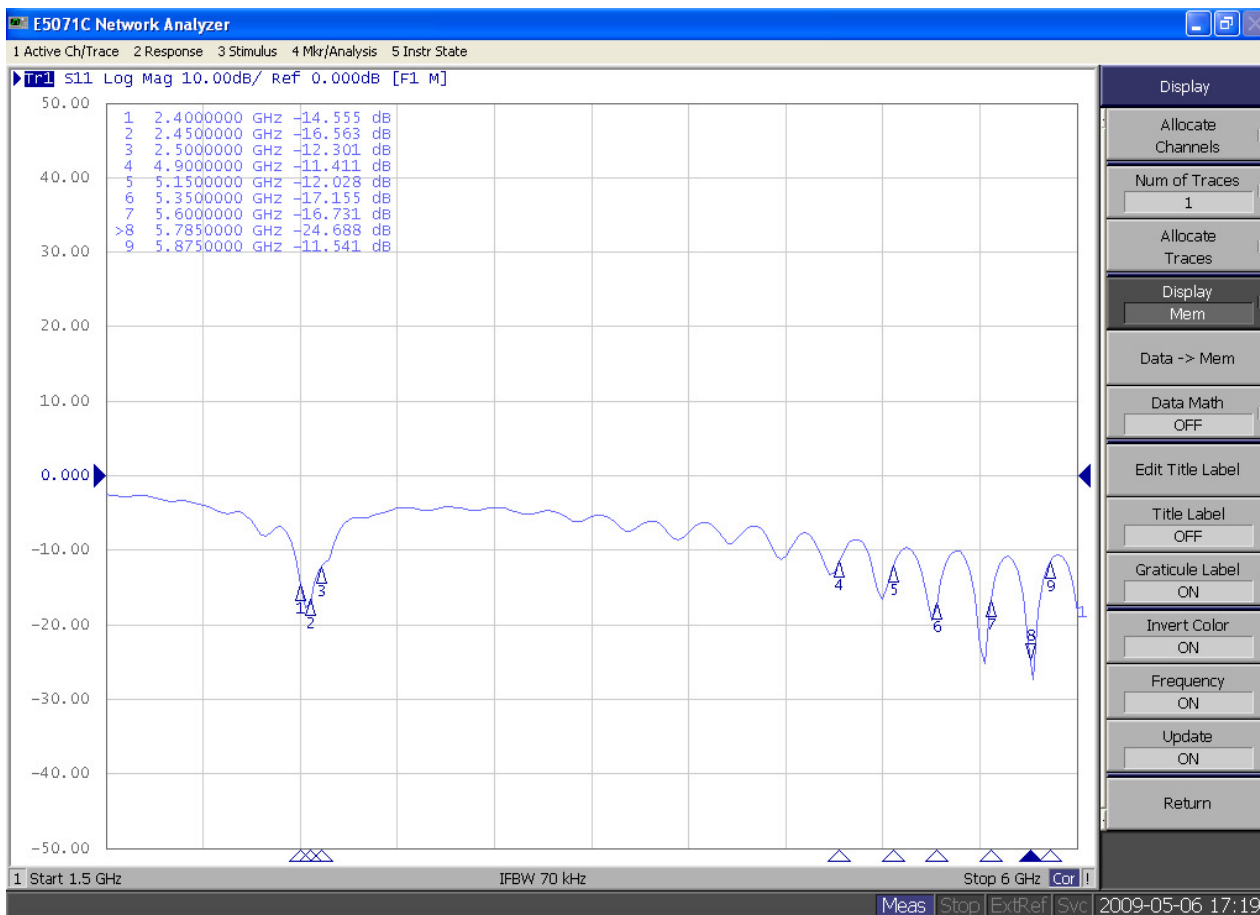
<http://www.speedtech.com.tw>

1. Test report table

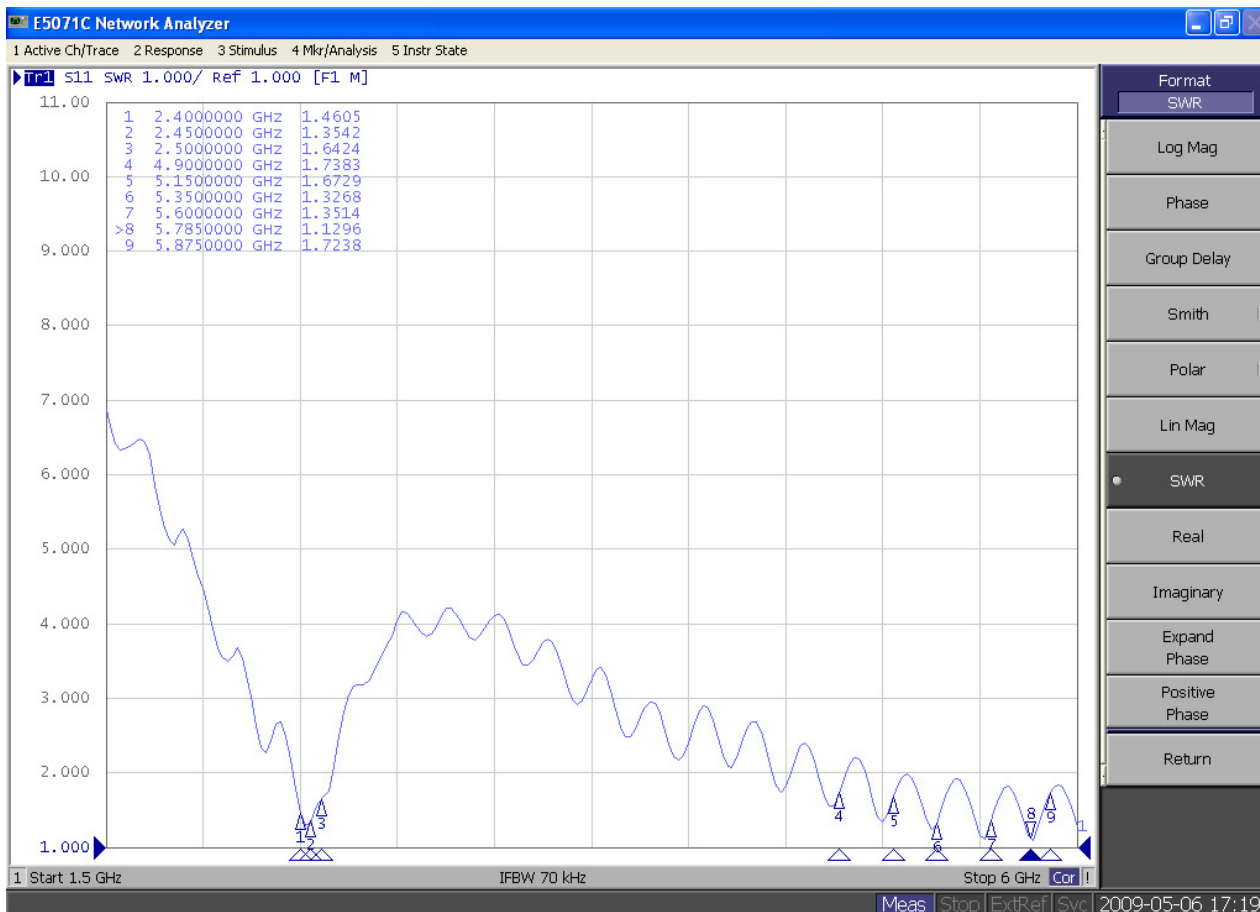
MAIN				AUX		
Freq (GHz)	Return Loss (dBi)	VSWR	AVG Gain (dBi)	Return Loss (dBi)	VSWR	AVG Gain (dBi)
2.4	-14.555	1.4605	-3.35			
2.45	-16.563	1.3542	-3.04			
2.5	-12.301	1.6424	-3.53			
4.9	-11.411	1.7383	-4.79			
5.15	-12.028	1.6729	-3.91			
5.35	-17.155	1.3268	-3.95			
5.6	-16.731	1.3514	-3.92			
5.785	-24.688	1.1296	-4.80			
5.875	-11.541	1.7238	-4.74			

2.WLAN Ant./ (MAIN) – 22G641500-00

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



2.4~2.5GHZ & 5.15~5.875GHZ/VSWR

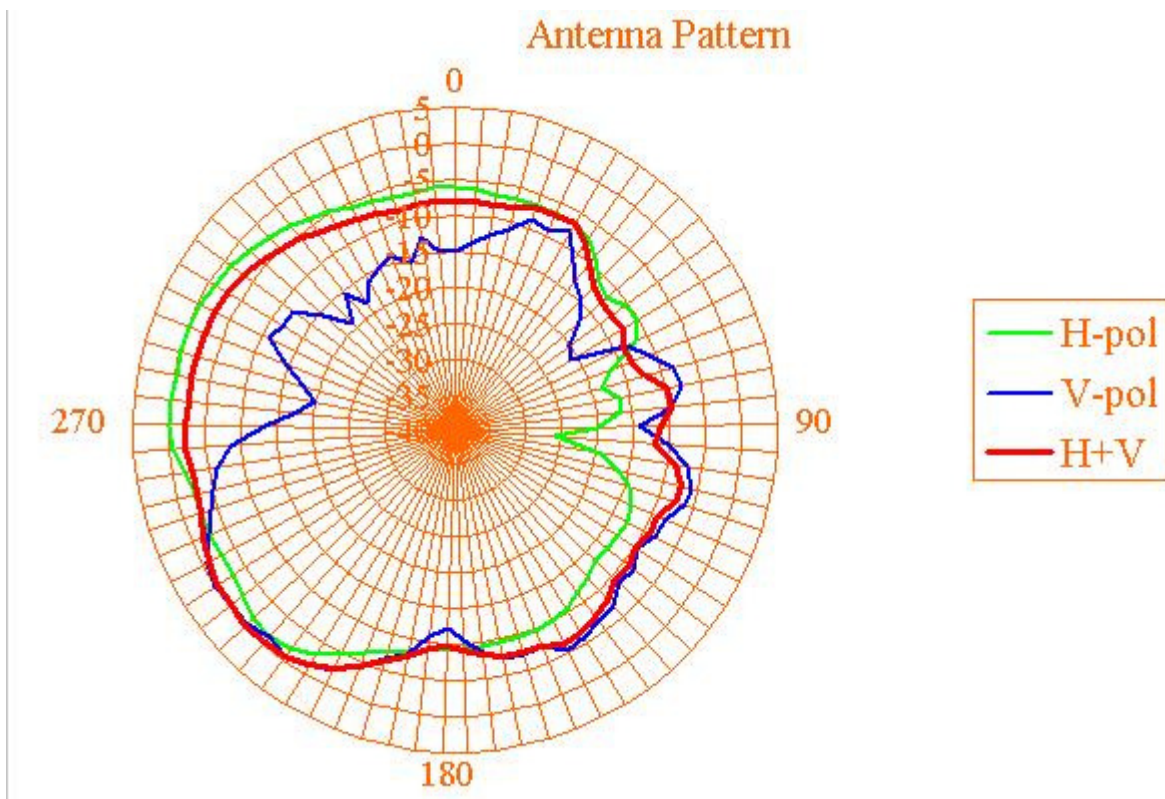


3.Gain & Pattern –MAIN – 22G641500-00

a. 2.4GHz



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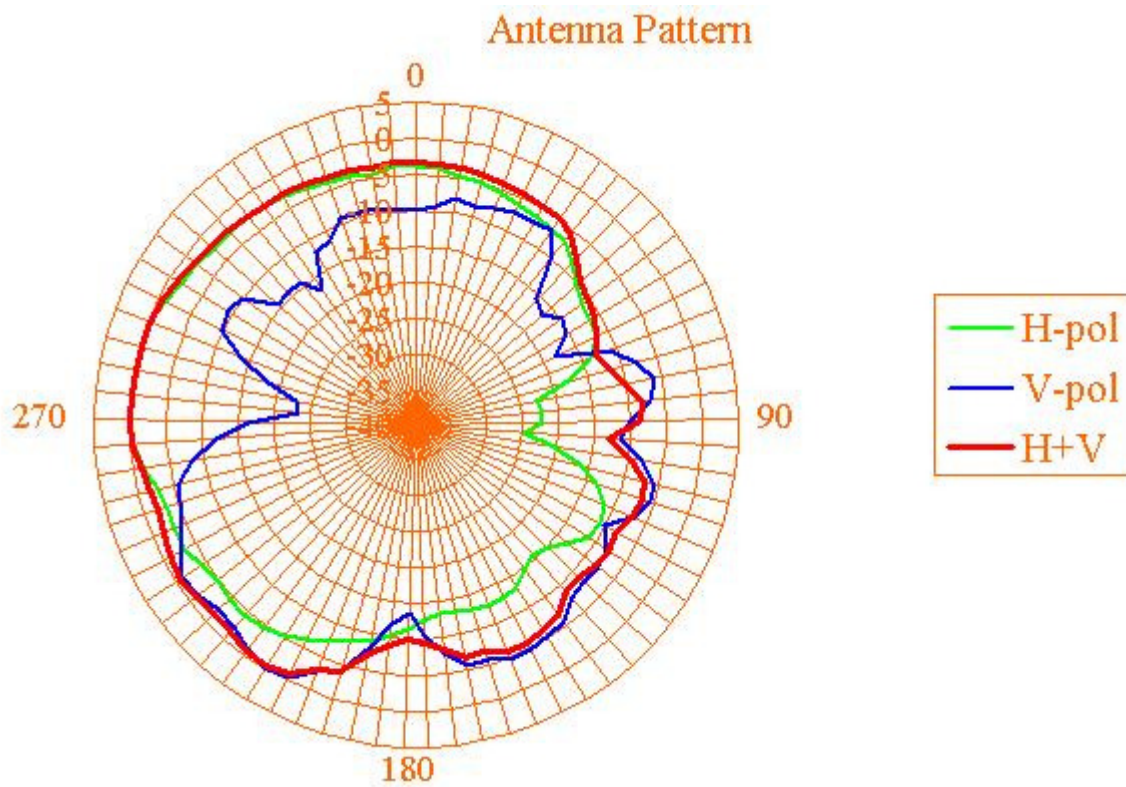


	H-Pol	V-Pol	H+V
Average Gain	-5.66	-7.19	-3.35
Peak Gain	-0.62	-0.15	1.89

b. 2.45GHz



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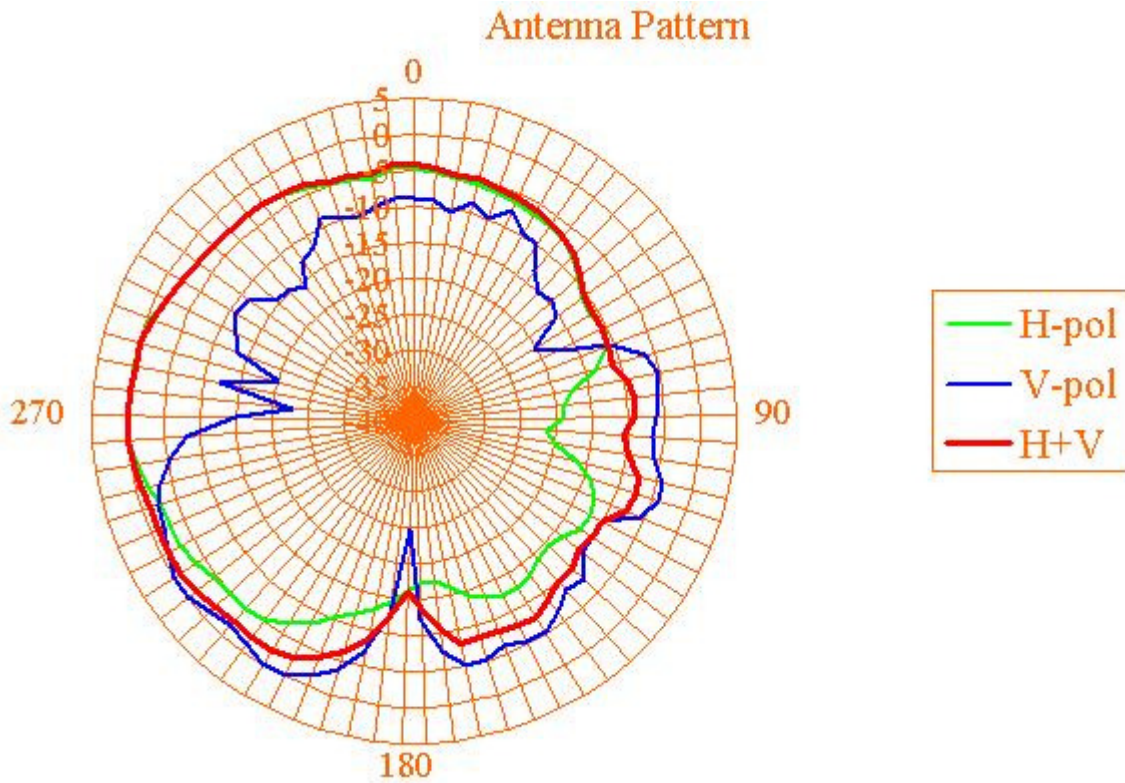


	H-Pol	V-Pol	H+V
Average Gain	-4.64	-8.16	-3.04
Peak Gain	0.70	-1.40	0.71

c. 2.5GHz



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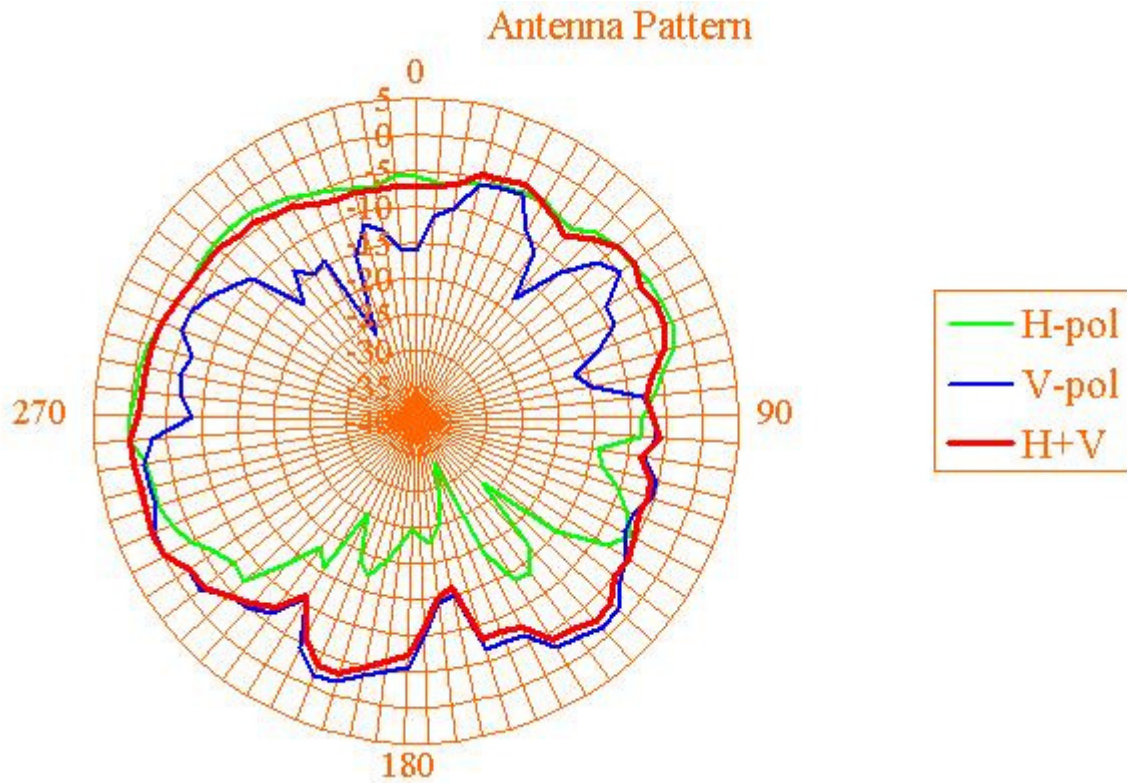


	H-Pol	V-Pol	H+V
Average Gain	-4.84	-9.38	-3.53
Peak Gain	0.73	-3.22	0.86

d. 4.9GHz



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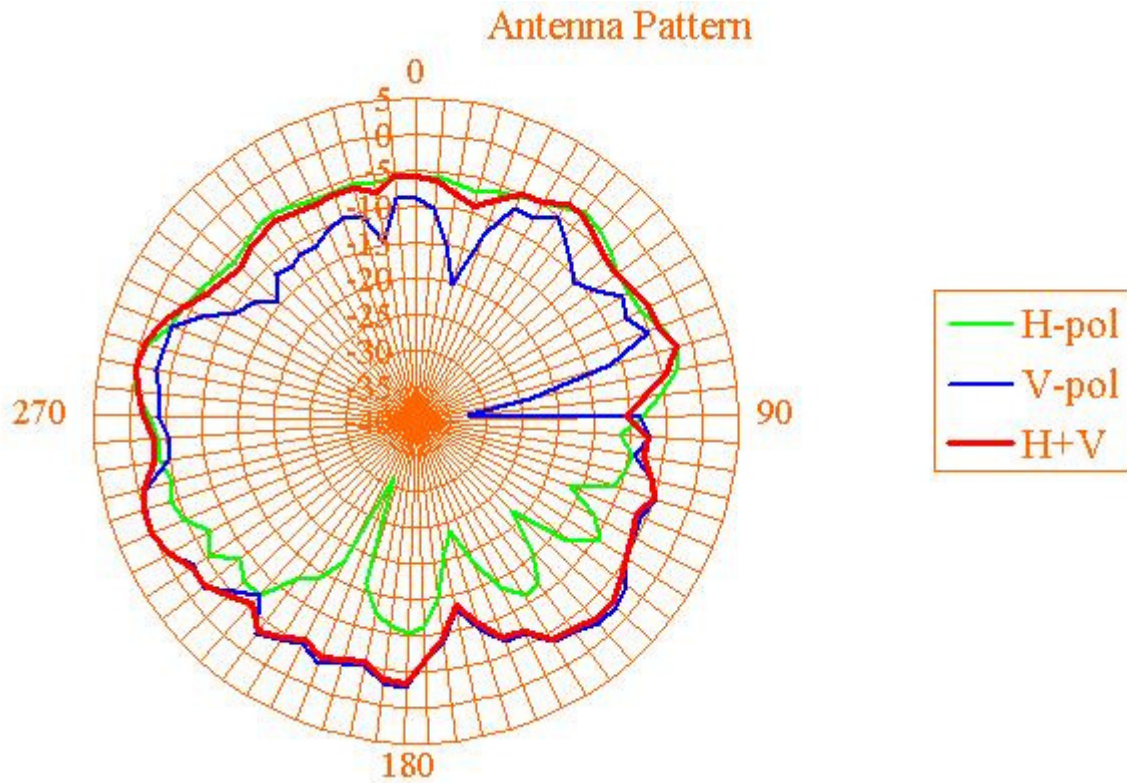


	H-Pol	V-Pol	H+V
Average Gain	-7.75	-7.84	-4.79
Peak Gain	-2.55	-2.23	-0.78

e. 5.15GHz



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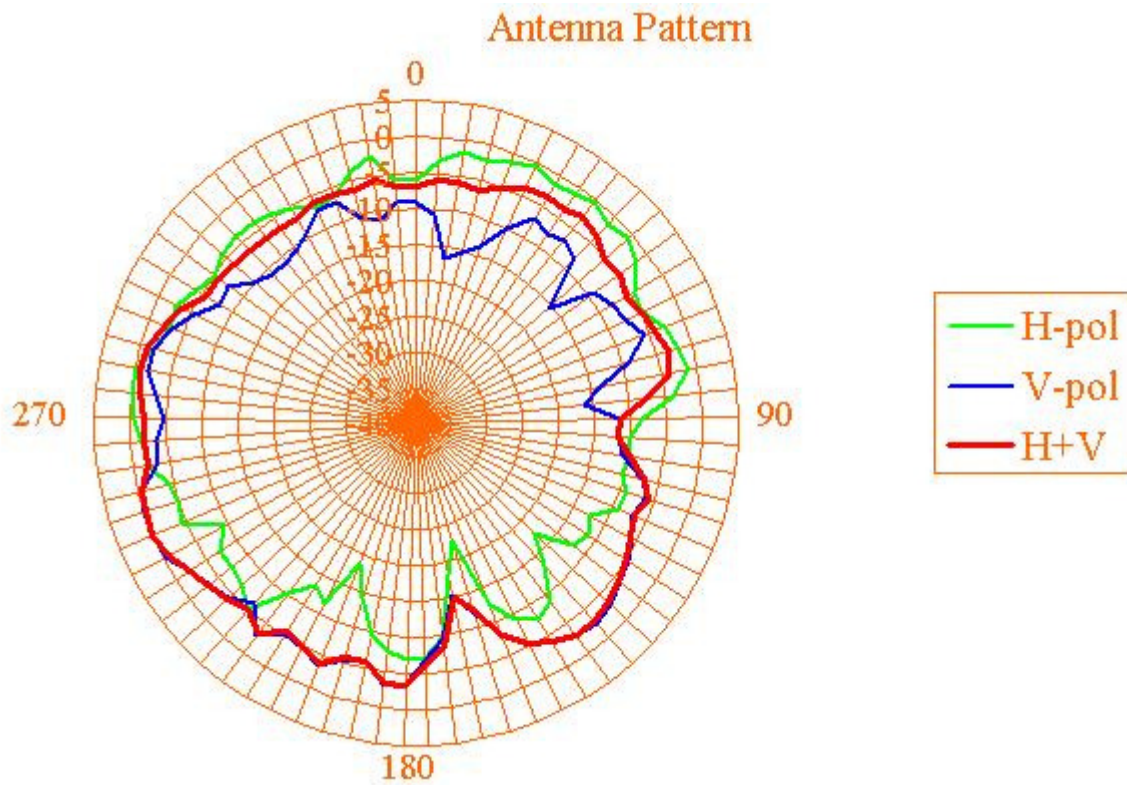


	H-Pol	V-Pol	H+V
Average Gain	-7.93	-6.10	-3.91
Peak Gain	-1.84	-0.61	0.39

f. 5.25GHz



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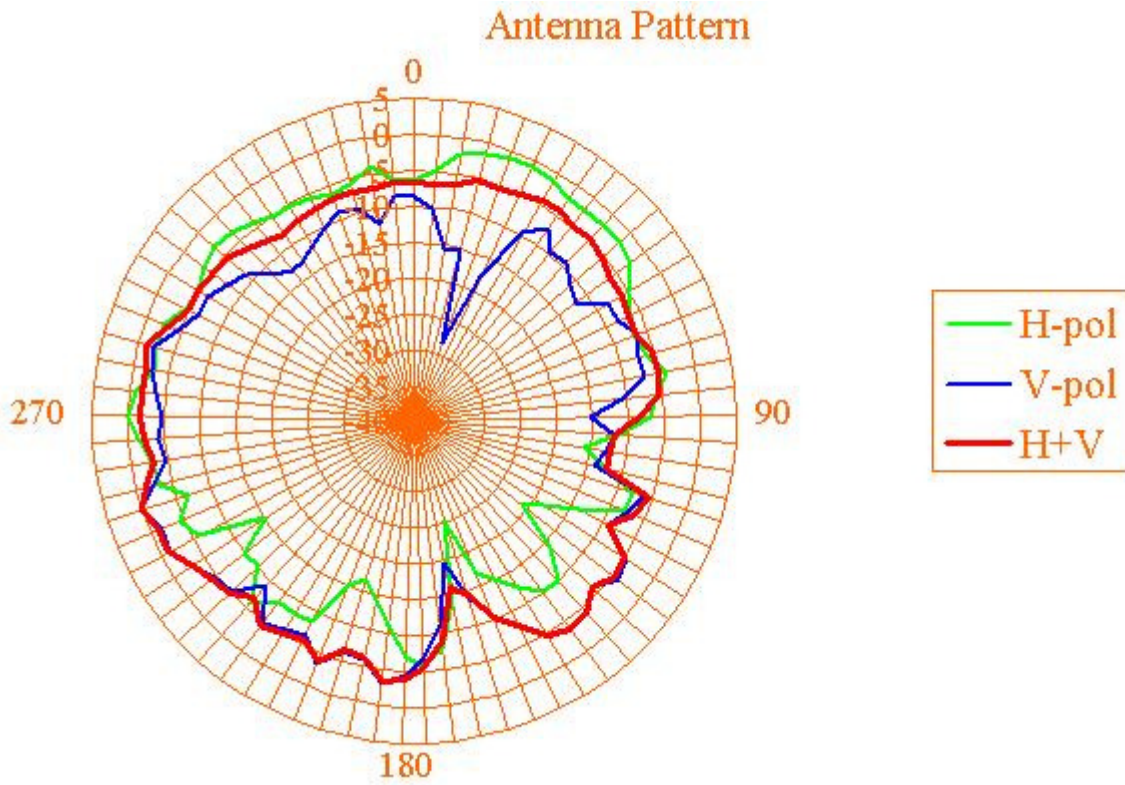


	H-Pol	V-Pol	H+V
Average Gain	-8.07	-5.20	-3.39
Peak Gain	-3.46	0.31	0.92

g. 5.35GHz



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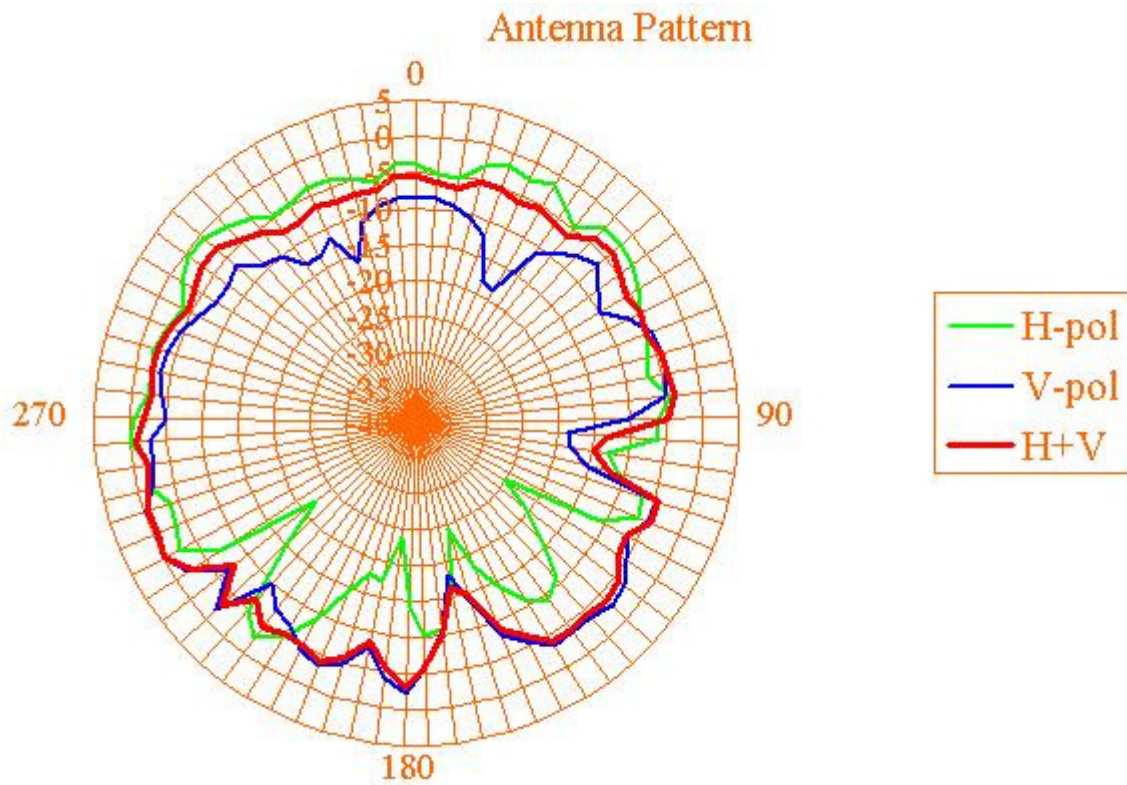


	H-Pol	V-Pol	H+V
Average Gain	-8.77	-5.69	-3.95
Peak Gain	-3.49	0.66	1.00

h. 5.47GHz



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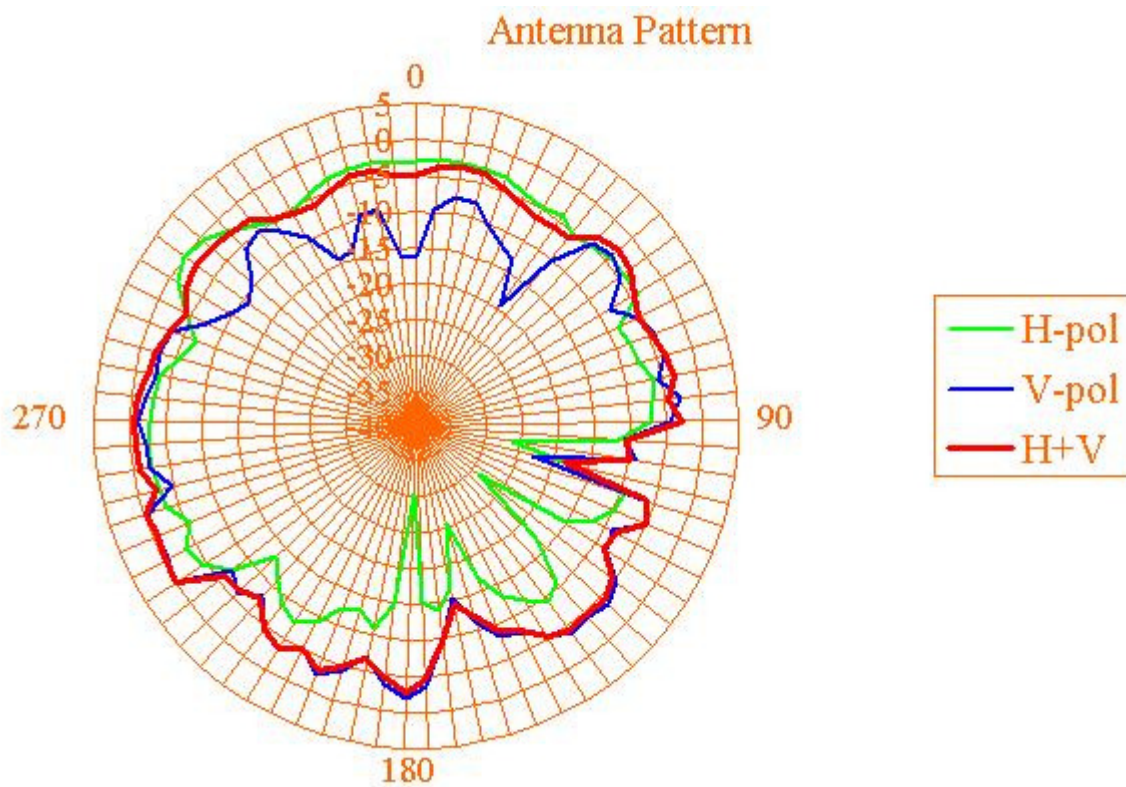


	H-Pol	V-Pol	H+V
Average Gain	-8.02	-6.05	-3.91
Peak Gain	-3.18	-0.40	0.70

i. 5.6GHz



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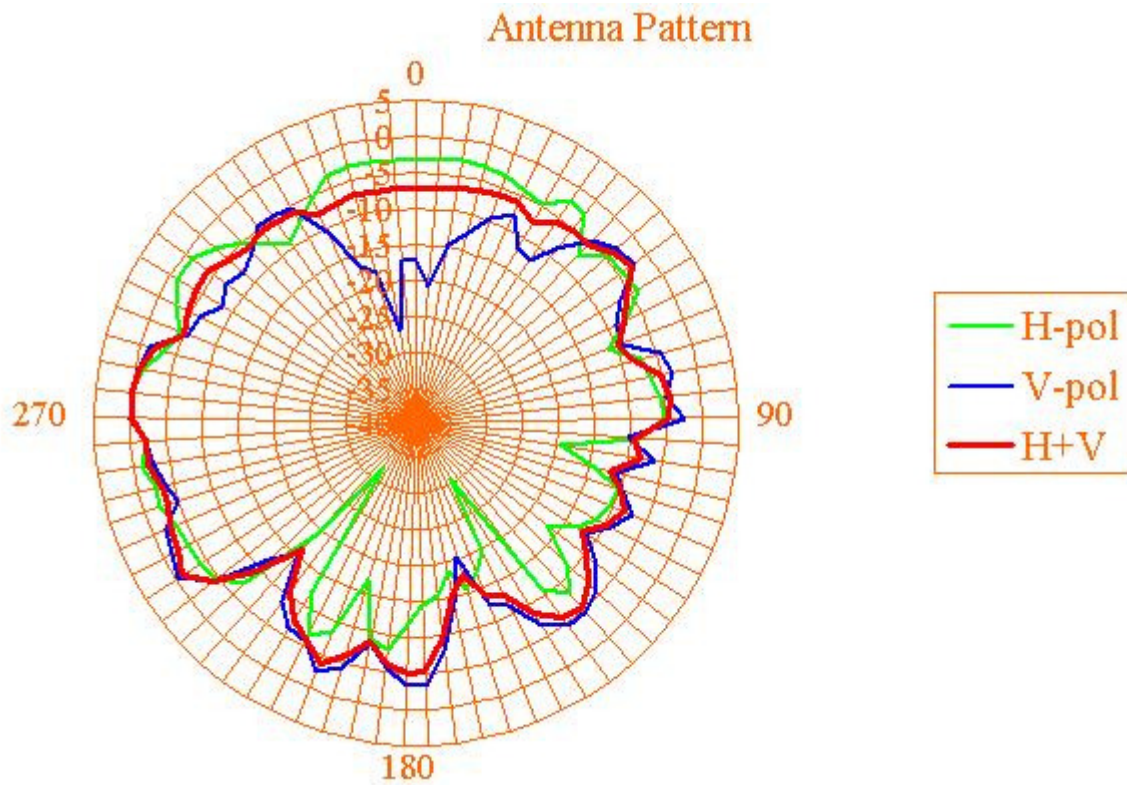


	H-Pol	V-Pol	H+V
Average Gain	-7.98	-6.09	-3.92
Peak Gain	-2.27	-0.90	0.07

j. 5.725GHz



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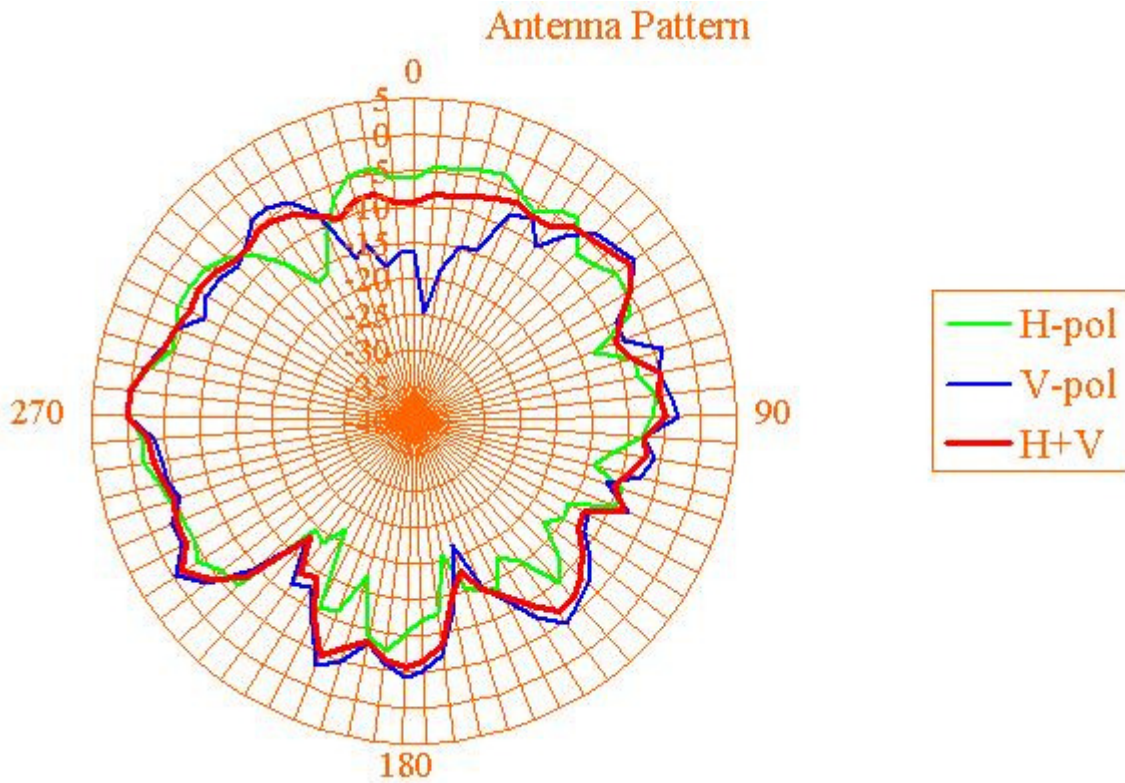


	H-Pol	V-Pol	H+V
Average Gain	-8.69	-6.59	-4.50
Peak Gain	-3.38	-1.04	0.96

k. 5.785GHz



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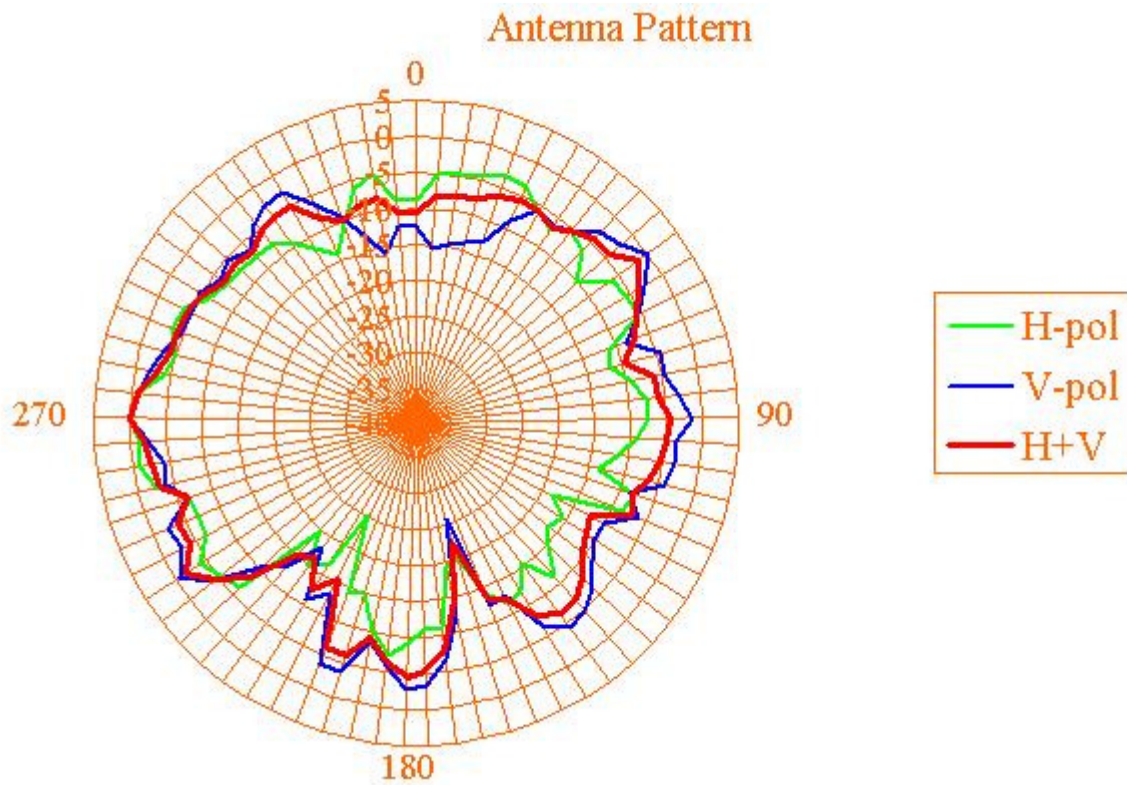


	H-Pol	V-Pol	H+V
Average Gain	-9.22	-6.75	-4.80
Peak Gain	-2.79	-0.93	1.13

1. 5.85GHz



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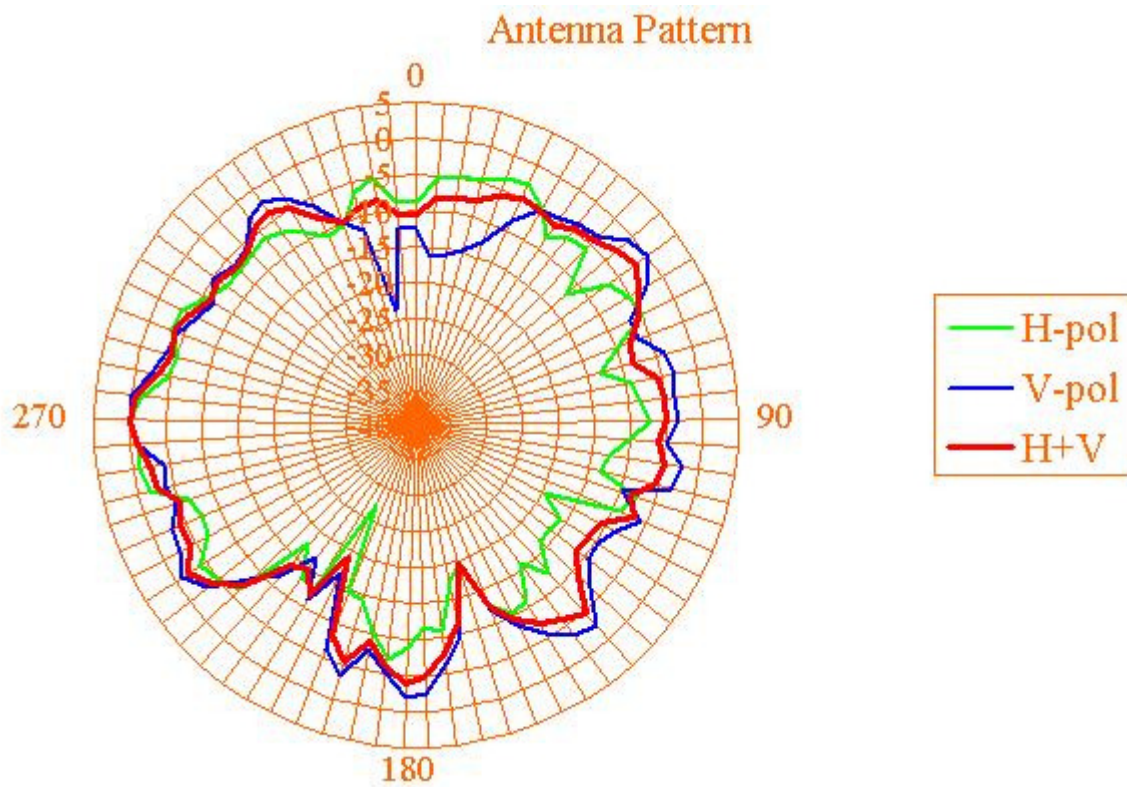


	H-Pol	V-Pol	H+V
Average Gain	-9.30	-6.46	-4.64
Peak Gain	-2.42	-1.40	1.13

m. 5.875GHz



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	H-Pol	V-Pol	H+V
Average Gain	-9.32	-6.61	-4.74
Peak Gain	-2.54	-1.86	0.82