

DATE : 2009/04/06

CUSTOMER : ECS ELITEGROUP

TEST REPORT

MODEL	T10-WLAN
DESCRIPTION	Wireless LAN Antenna Design type:PIFA 2.4~2.5GHZ /4.9~5.875GHZ
SUPPLIER P/N	DPLP152-0002(MAIN) DPLP151-0002(AUX)
CUSTOMER P/N	22G628000-00(MAIN) 22G637501-10(AUX)
FILE P/N	

SPEEDTECH			CUSTOMER	
Manager	Supervisor	Engineer		
Y.J	LUN	LUN		



桃園縣龜山鄉民生北路一段568號
No.568, Sec. 1, Min-Sheng N.Road.
Kwei-Shan Hsiang, Taoyuan Hsien, Taiwan

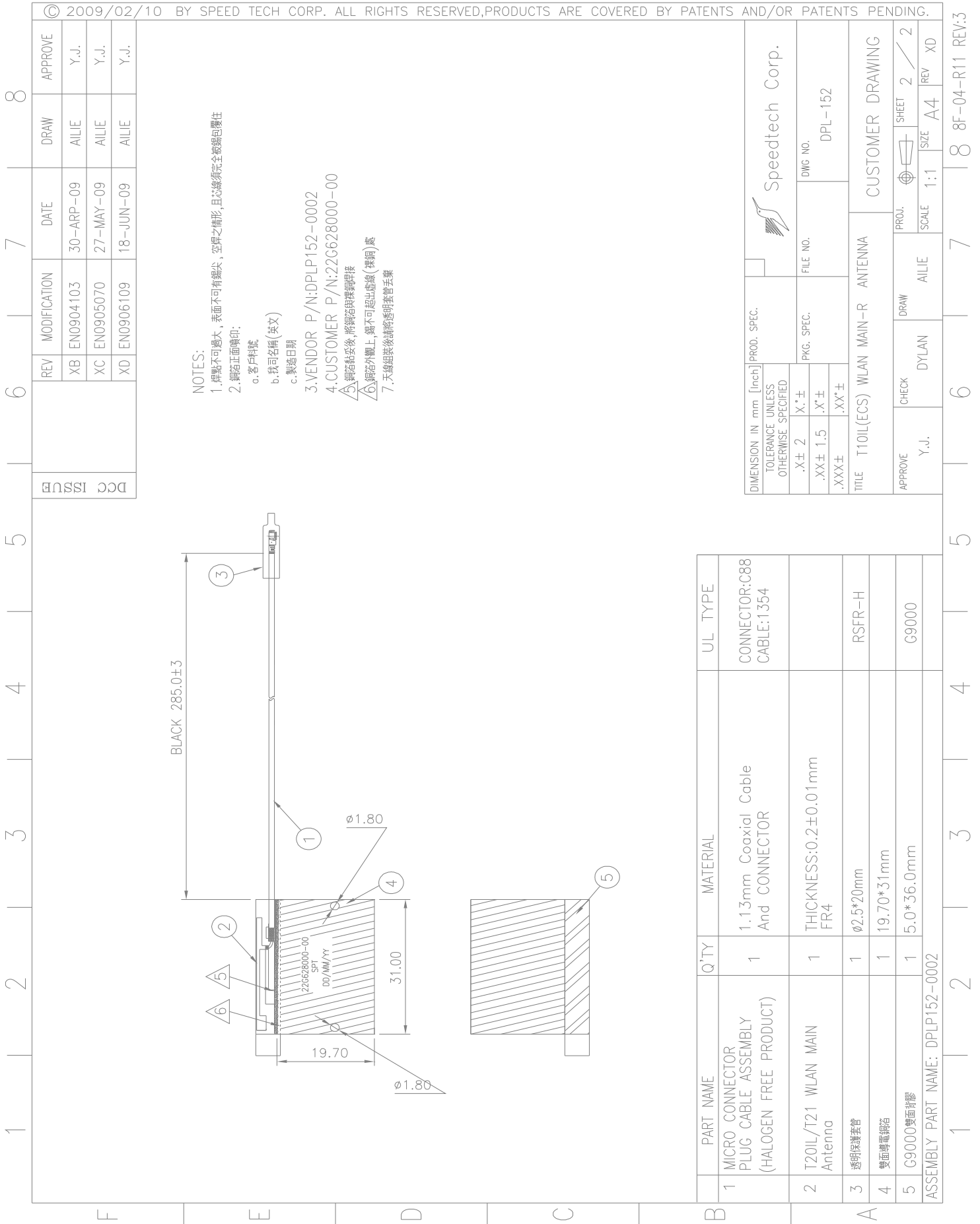
TEL: 886-3-2120088

FAX: 886-3-2121712

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

1. Drawing Assembly & BOM

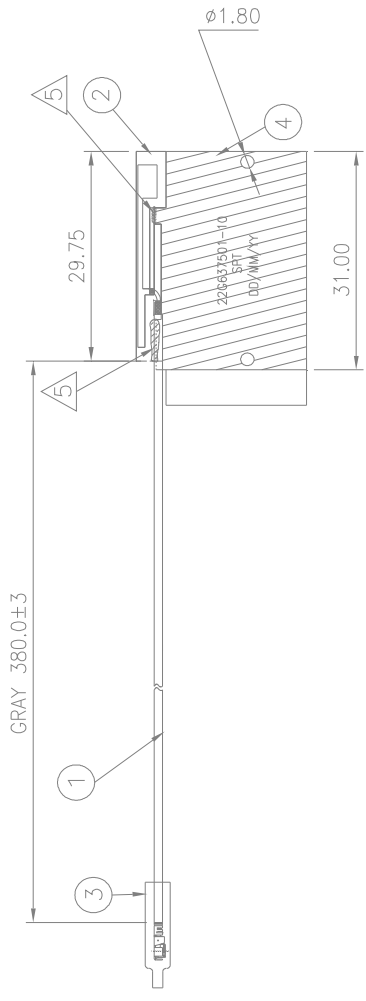
MAIN



1 2 3 4 5 6 7 8

DCC ISSUE

REV	MODIFICATION	DATE	DRAW	APPROVE
XA	EN0904081	24-ARP-09	AILIE	Y.J.
XB	EN0905070	27-MAY-09	AILIE	Y.J.
XC	EN0906056	08-JUN-09	AILIE	Y.J.



NOTES:

1. 焊點不可過大，表面不可有錐尖，空焊之情形，且芯線須完全被錫包覆住
2. 銅箔正面填印：
 - a. 客戶料號
 - b. 我司名稱 (英文)
 - c. 製造日期
3. VENDOR P/N: DPLP151-0002
4. CUSTOMER P/N: 226637501-10
5. 銅箔粘妥後，將銅箔與裸銅層接
6. 天線組裝後請將透明套管套裝

PART NAME	Q'TY	MATERIAL	UL TYPE
1 MICRO CONNECTOR PLUG CABLE ASSEMBLY (HALOGEN FREE PRODUCT)	1	1.13mm Coaxial Cable And CONNECTOR	CONNECTOR:C88 CABLE:1354
2 I40/I41-WLAN AUX Antenna	1	THICKNESS:0.2±0.01mm FR4	
3 透明保護套管	1	φ2.5*20mm	RSFR-H
4 雙面導電銅箔	1	20.50*36mm	
5 G9000雙面背膠	1	4*29.75mm	G9000

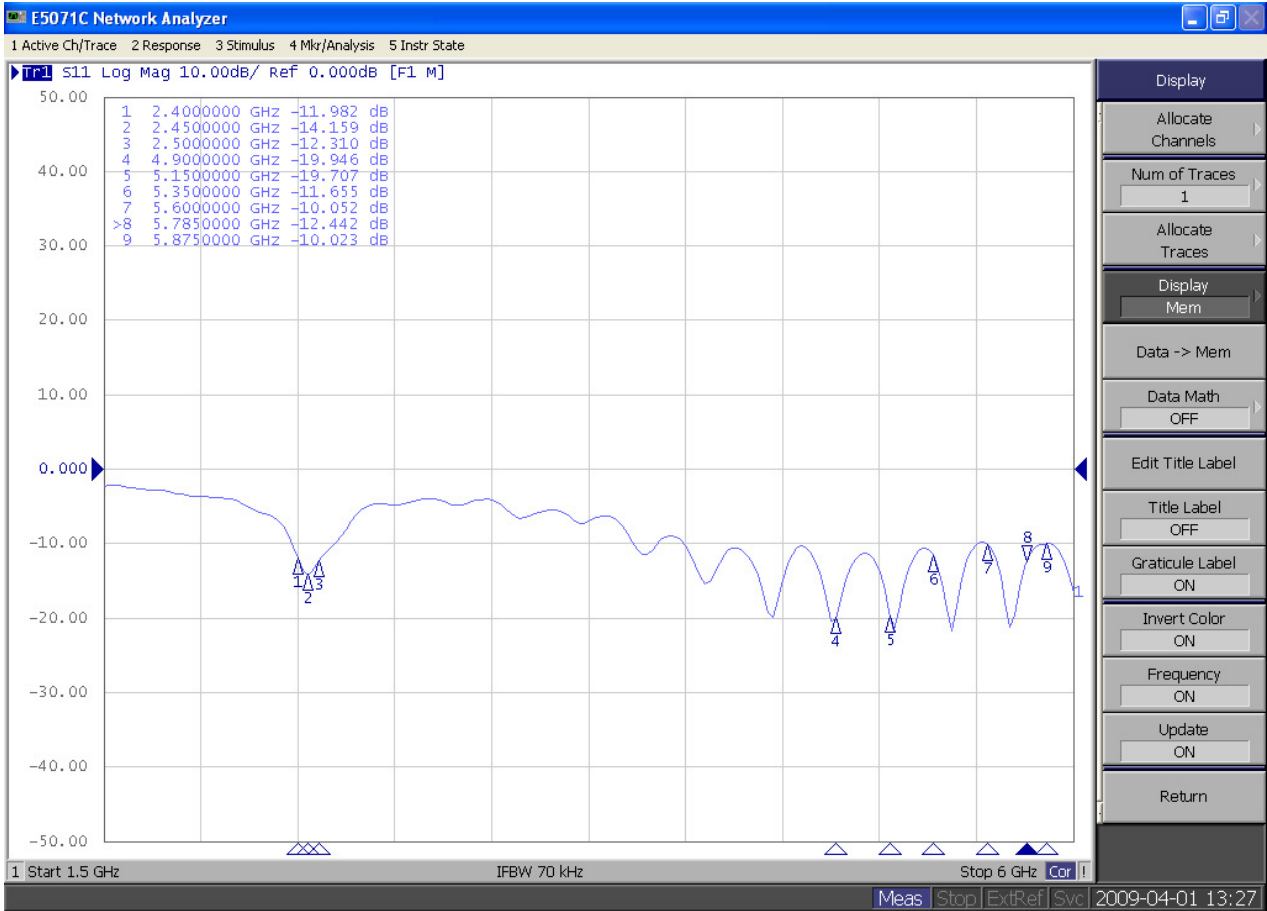
DIMENSION IN mm [Inch]		PROD. SPEC.		Speedtech Corp.	
TOLERANCE UNLESS OTHERWISE SPECIFIED					
.X*±	X*±	PKG. SPEC.	FILE NO.	DWG NO.	
.XX±	.X*±			DPL-151	
.XXX±	.XX*±				
TITLE T10L(ECS) WLAN (AUX) (L) ANTENNA		CUSTOMER DRAWING			
APPROVE	CHECK	DRAW	PROJ.	SHEET	2 / 2
Y.J.	DYLAN	AILIE	SCALE	1:1	REV XC
			SIZE	A4	

ASSEMBLY PART NAME: DPLP151-0002

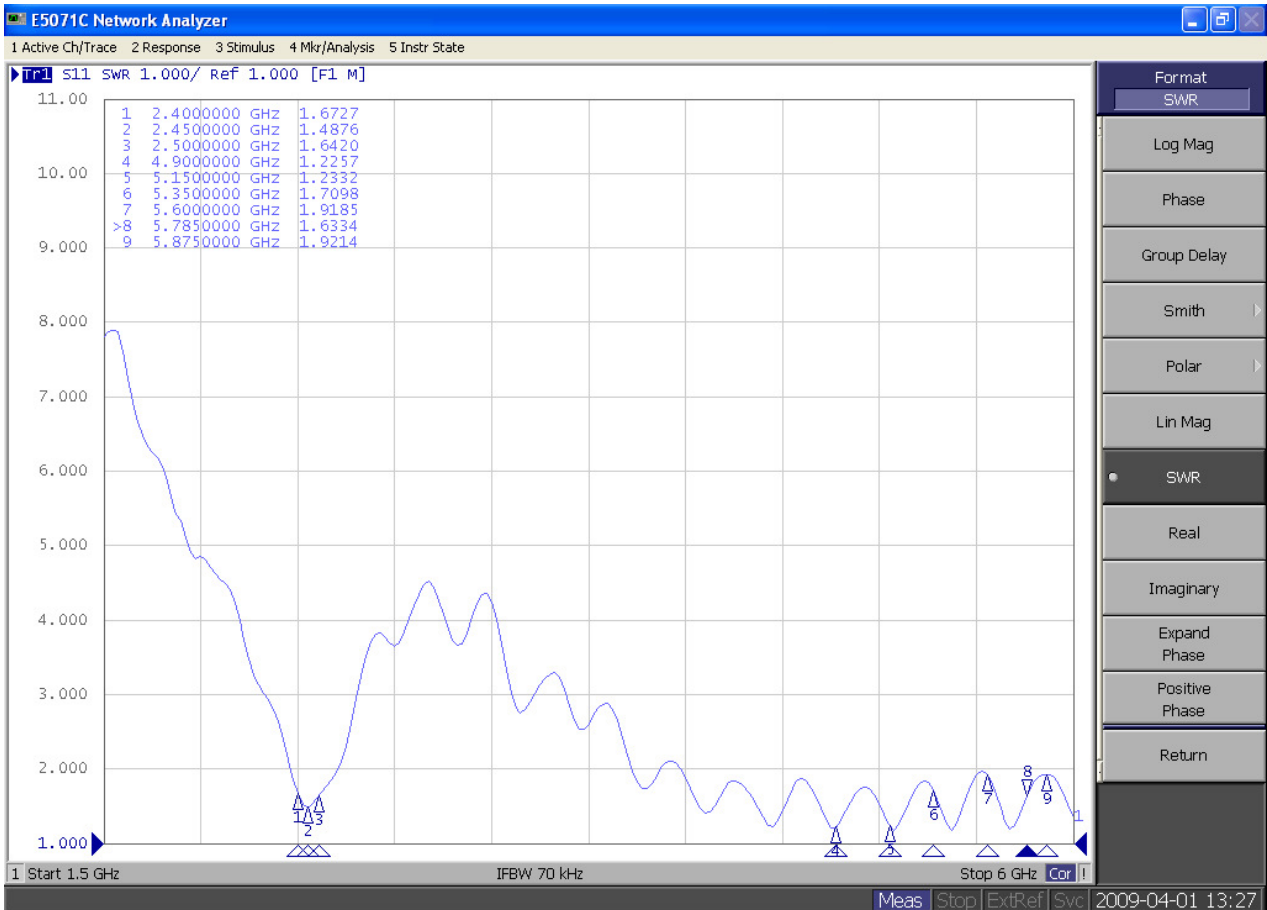
1 2 3 4 5 6 7 8 8F-04-R11 REV:3

2.WLAN Ant./ (MAIN) - 22G628000-00

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



2.4~2.5GHZ & 5.15~5.875GHZ/VSWR

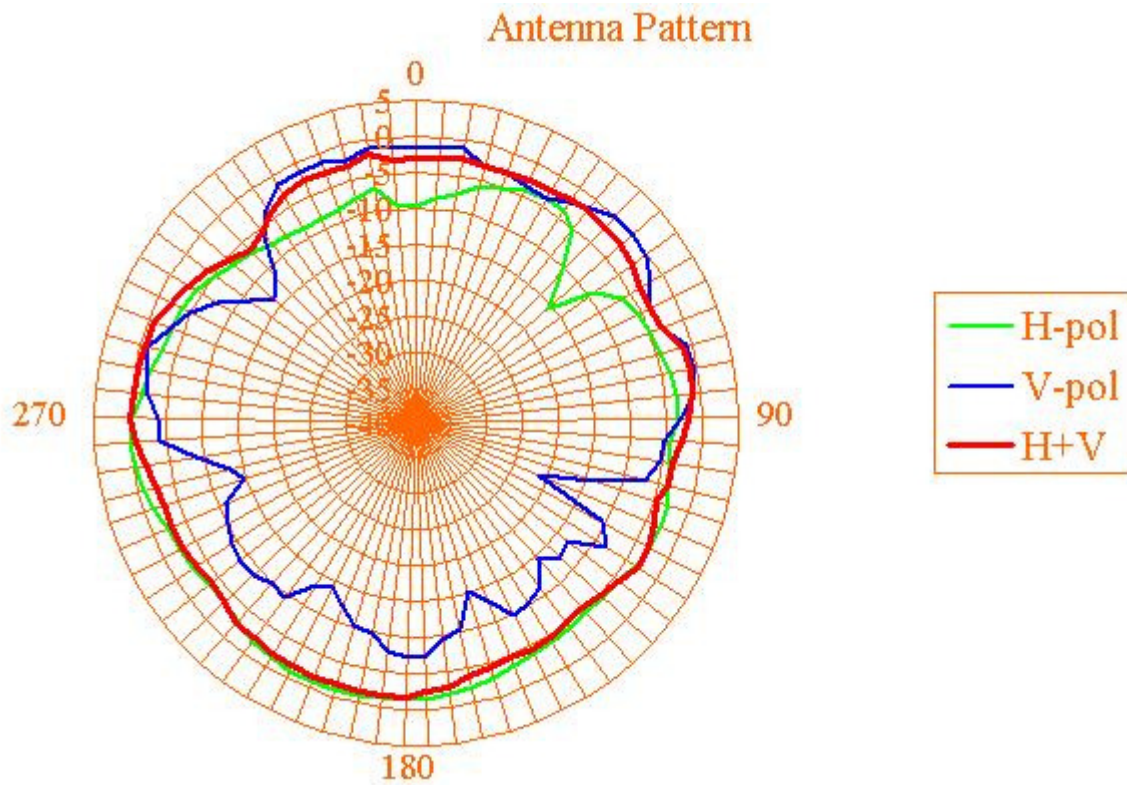


3.Gain & Pattern –MAIN - 22G628000-00

a. 2.4GHz



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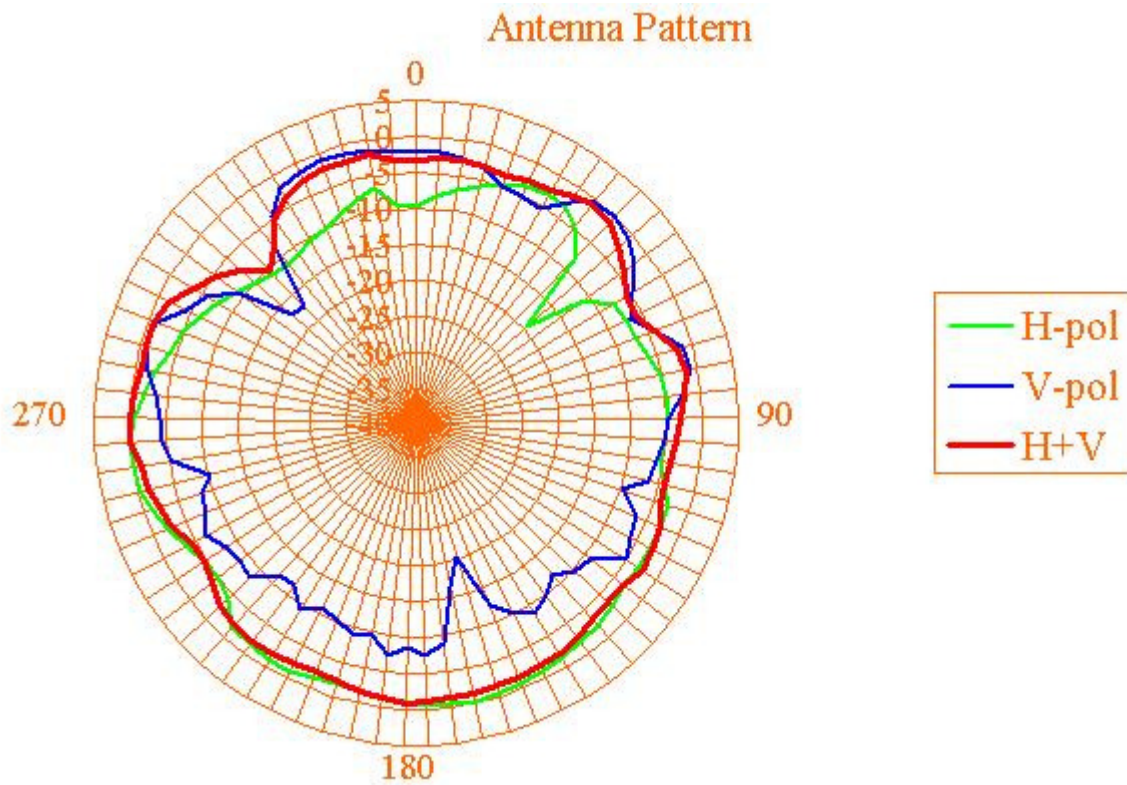


	H-Pol	V-Pol	H+V
Average Gain	-5.55	-8.11	-3.64
Peak Gain	-1.98	-3.31	-0.91

b. 2.45GHz



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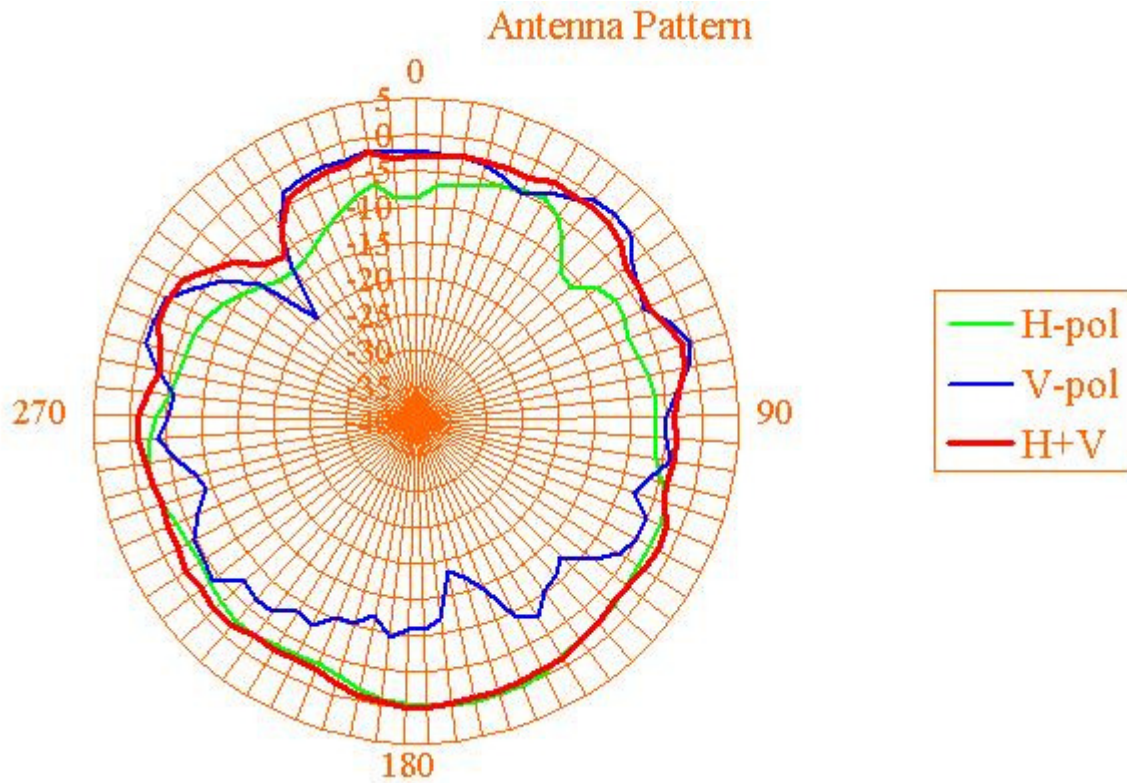


	H-Pol	V-Pol	H+V
Average Gain	-5.25	-7.77	-3.32
Peak Gain	-1.78	-2.80	-0.76

c. 2.5GHz



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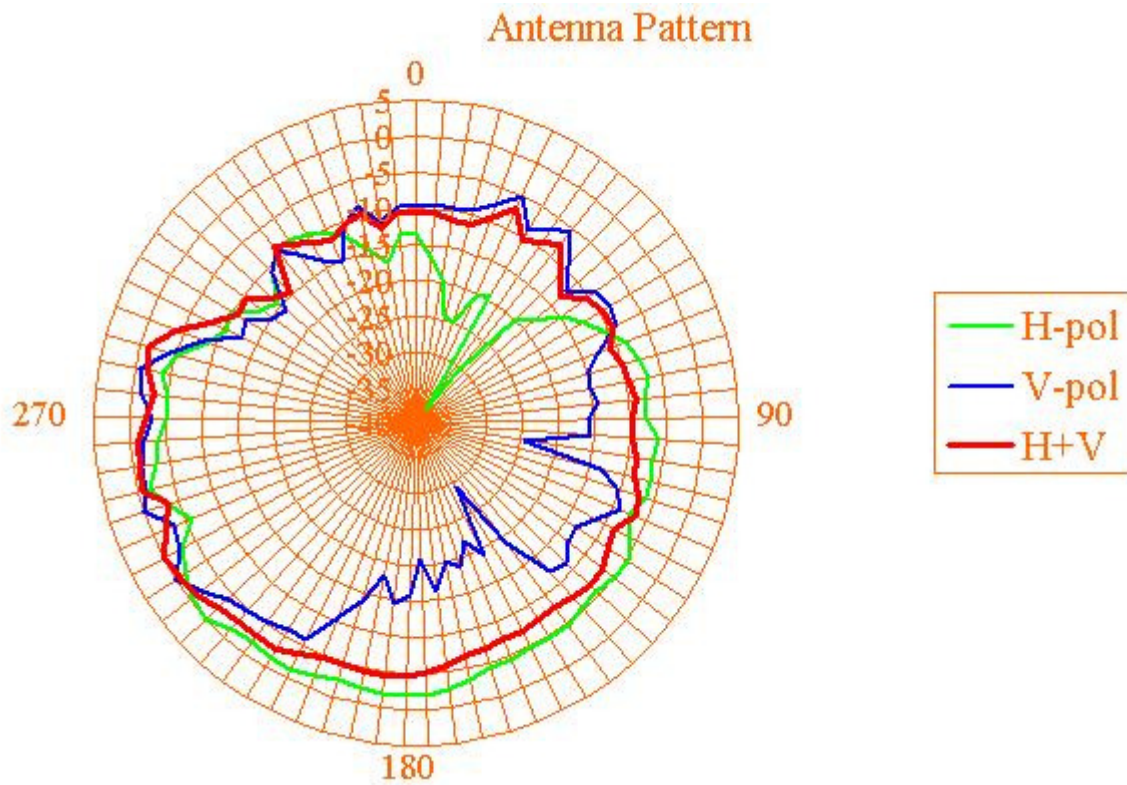


	H-Pol	V-Pol	H+V
Average Gain	-5.71	-8.16	-3.76
Peak Gain	-1.62	-3.44	-1.44

d. 4.9GHz



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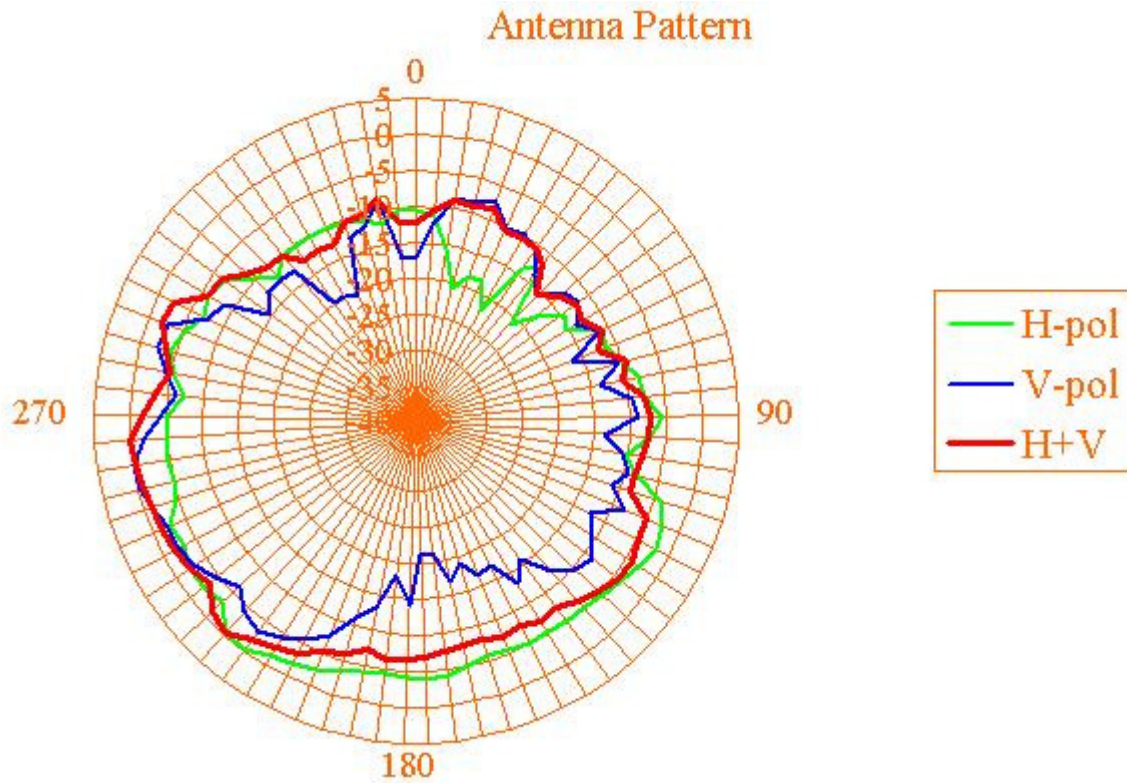


	H-Pol	V-Pol	H+V
Average Gain	-6.89	-7.84	-4.33
Peak Gain	-1.47	-0.66	1.31

e. 5.15GHz



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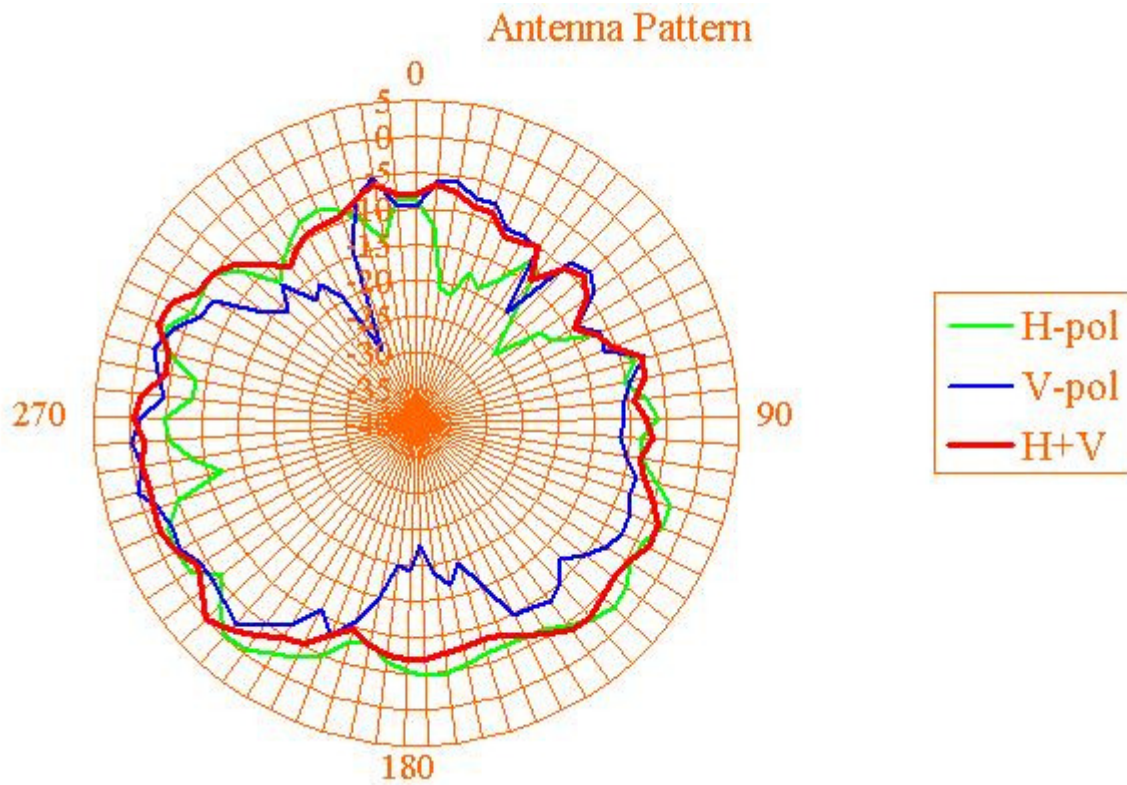


	H-Pol	V-Pol	H+V
Average Gain	-7.54	-7.22	-4.36
Peak Gain	-1.88	0.27	1.07

f. 5.25GHz



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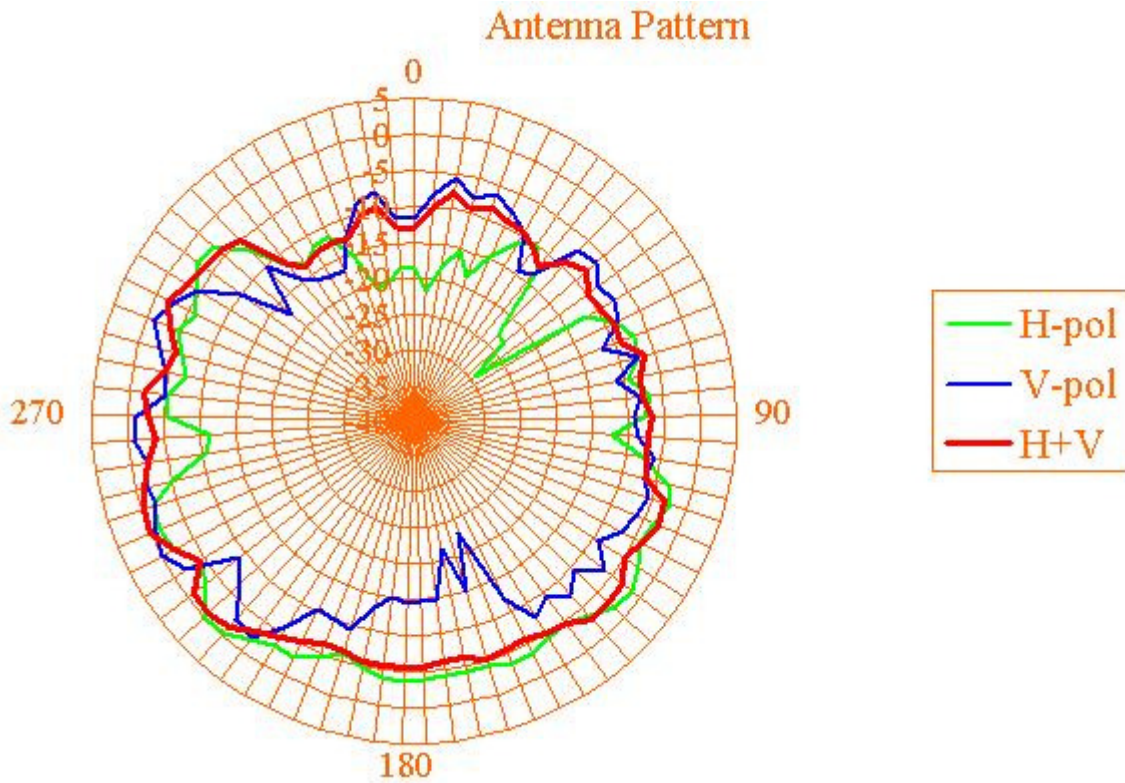


	H-Pol	V-Pol	H+V
Average Gain	-7.23	-7.43	-4.31
Peak Gain	-1.31	-0.50	0.89

g. 5.35GHz



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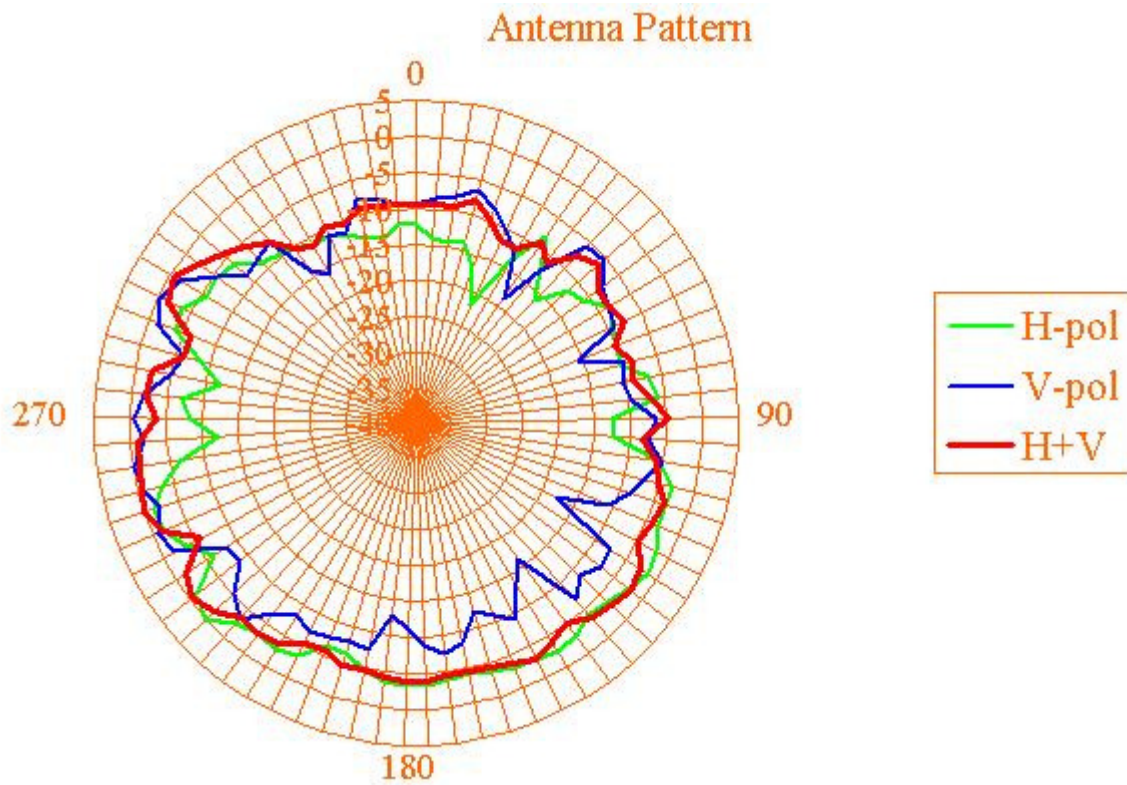


	H-Pol	V-Pol	H+V
Average Gain	-7.05	-8.23	-4.59
Peak Gain	-1.70	-1.84	0.33

h. 5.47GHz



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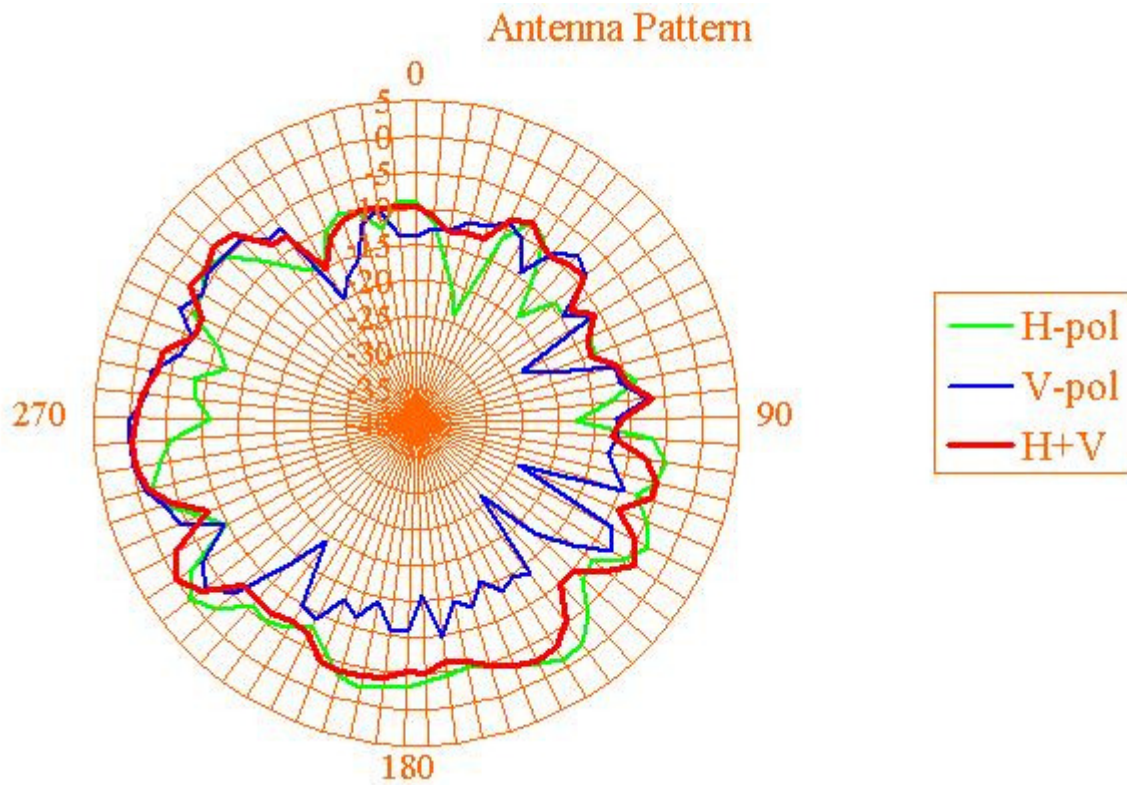


	H-Pol	V-Pol	H+V
Average Gain	-6.75	-8.30	-4.45
Peak Gain	-1.39	-2.12	0.05

i. 5.6GHz



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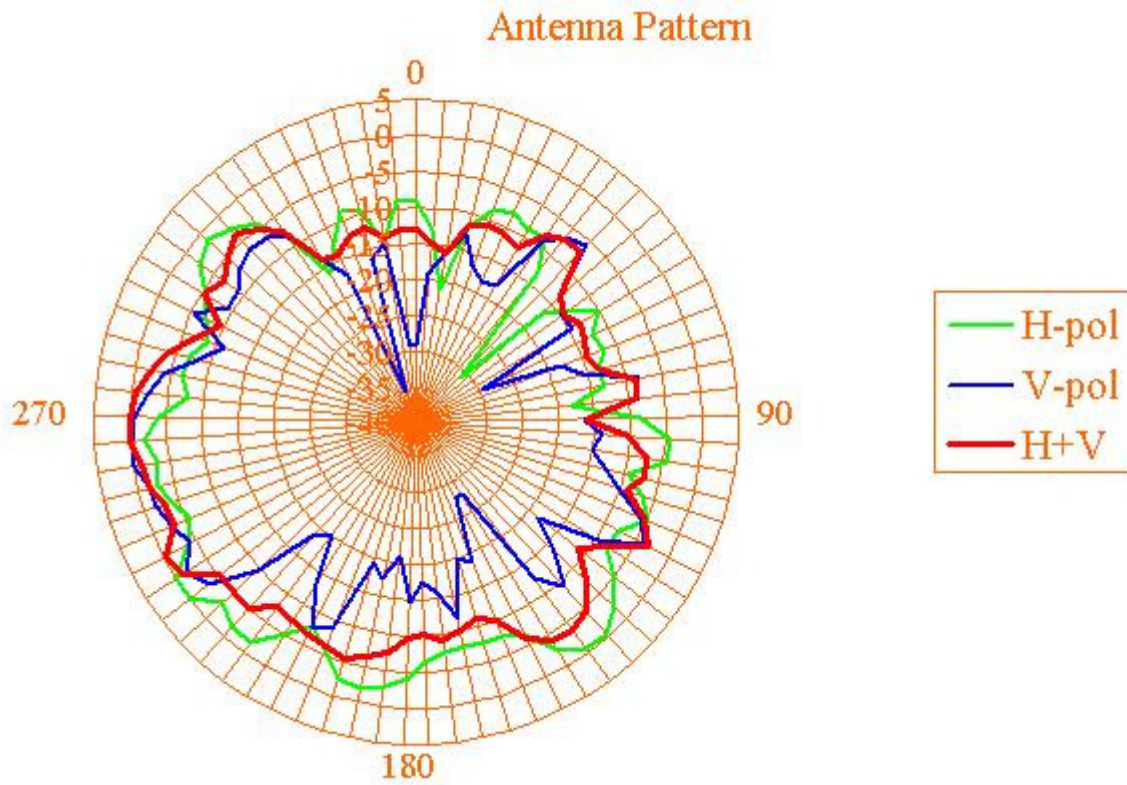


	H-Pol	V-Pol	H+V
Average Gain	-6.65	-8.19	-4.34
Peak Gain	-0.65	-0.81	1.07

j. 5.725GHz



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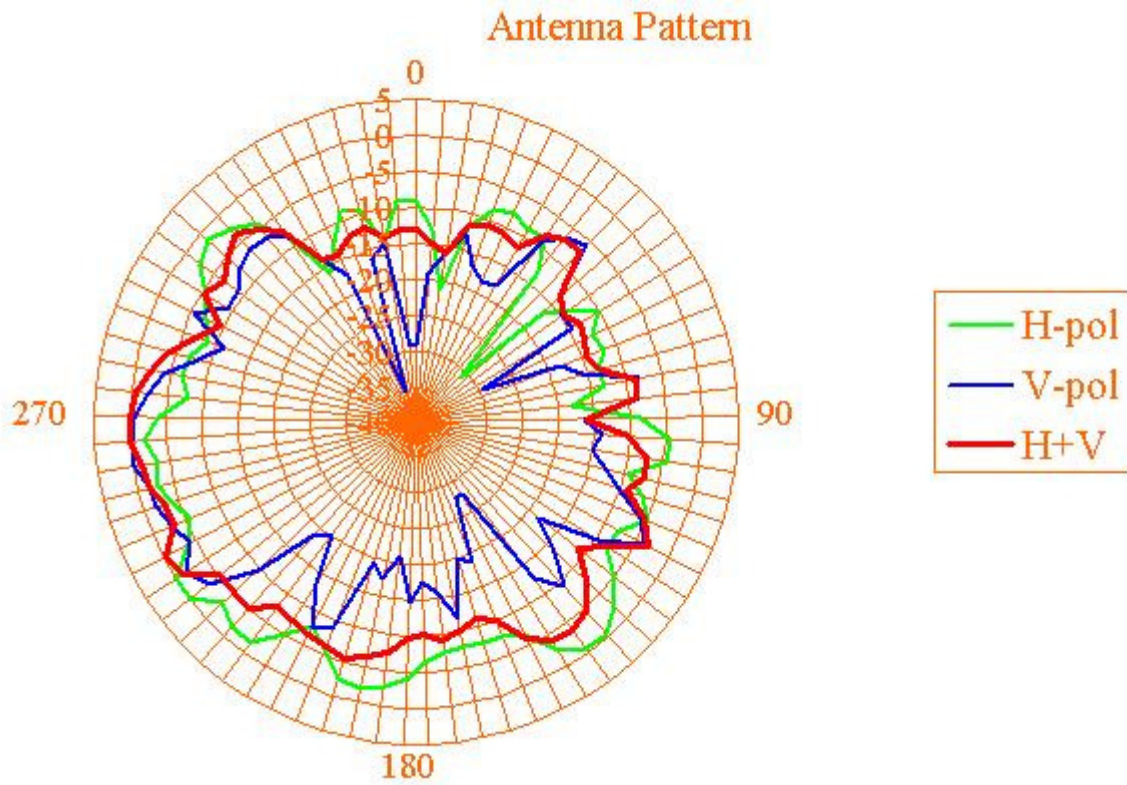


	H-Pol	V-Pol	H+V
Average Gain	-7.84	-7.55	-4.68
Peak Gain	-2.48	0.31	1.31

k. 5.785GHz



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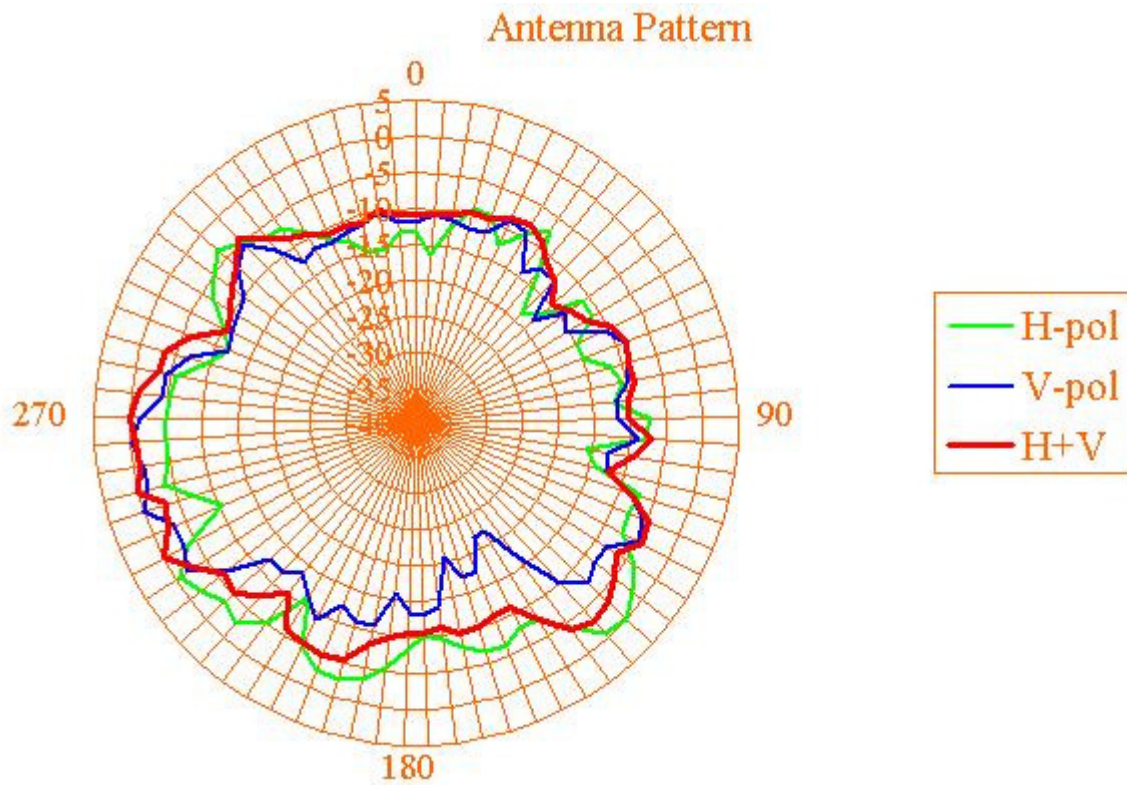


	H-Pol	V-Pol	H+V
Average Gain	-7.65	-7.09	-4.35
Peak Gain	-1.36	1.32	2.22

1. 5.85GHz



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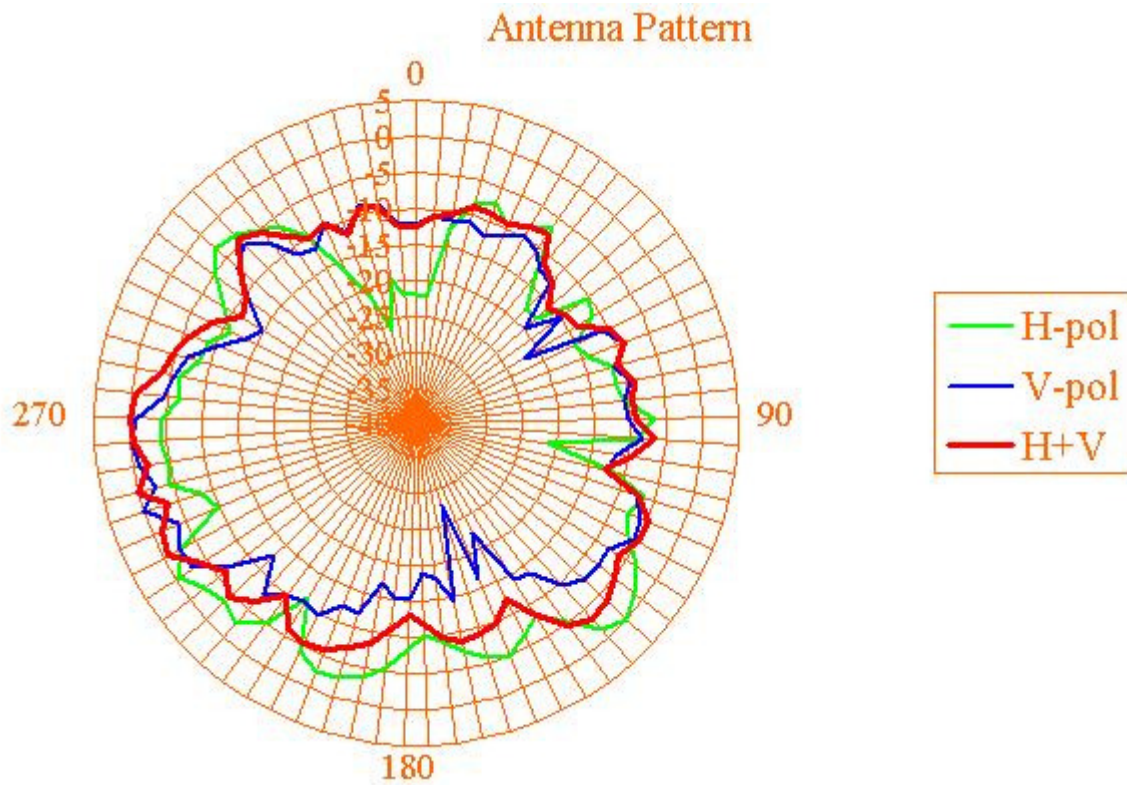


	H-Pol	V-Pol	H+V
Average Gain	-8.48	-6.76	-4.52
Peak Gain	-2.15	1.10	1.50

m. 5.875GHz



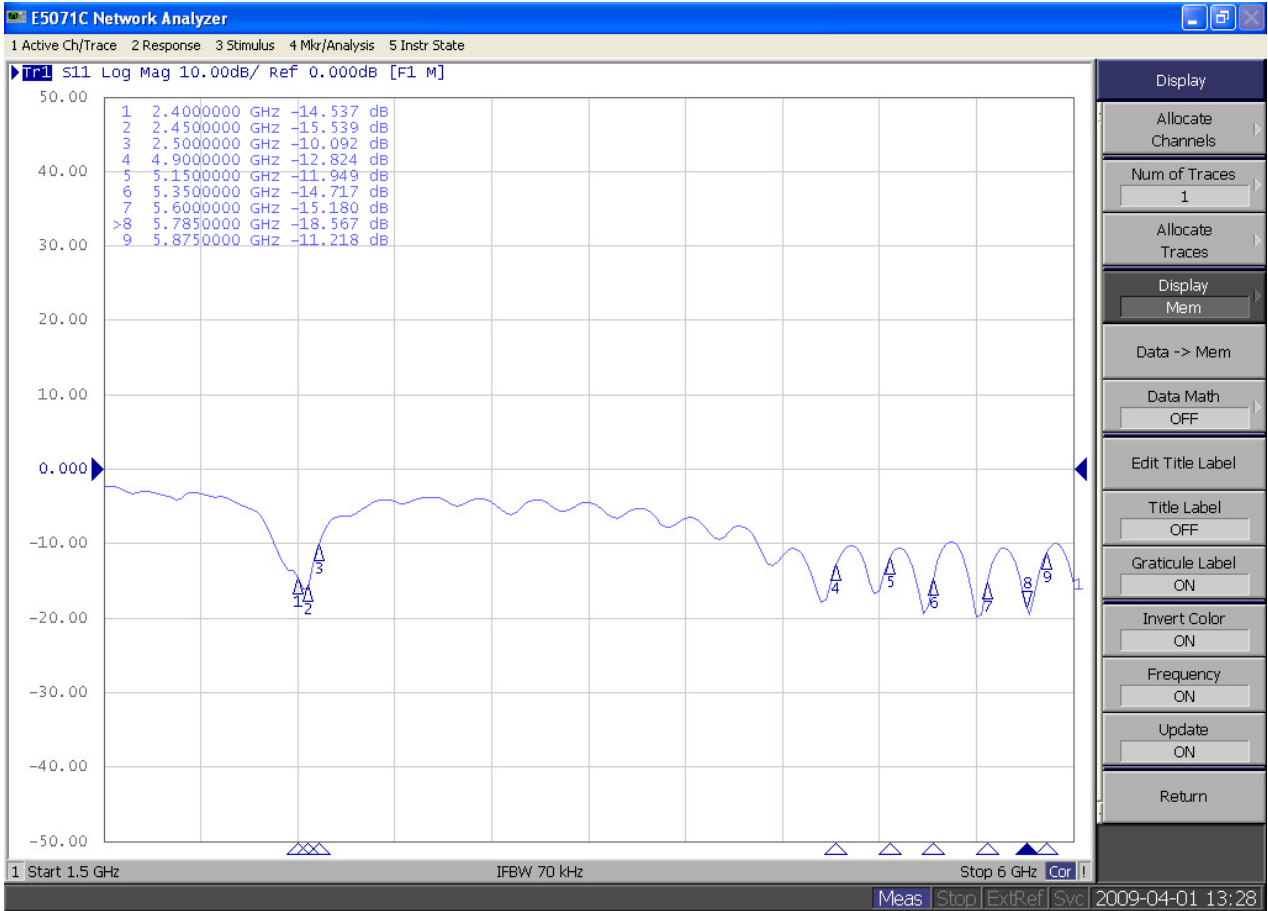
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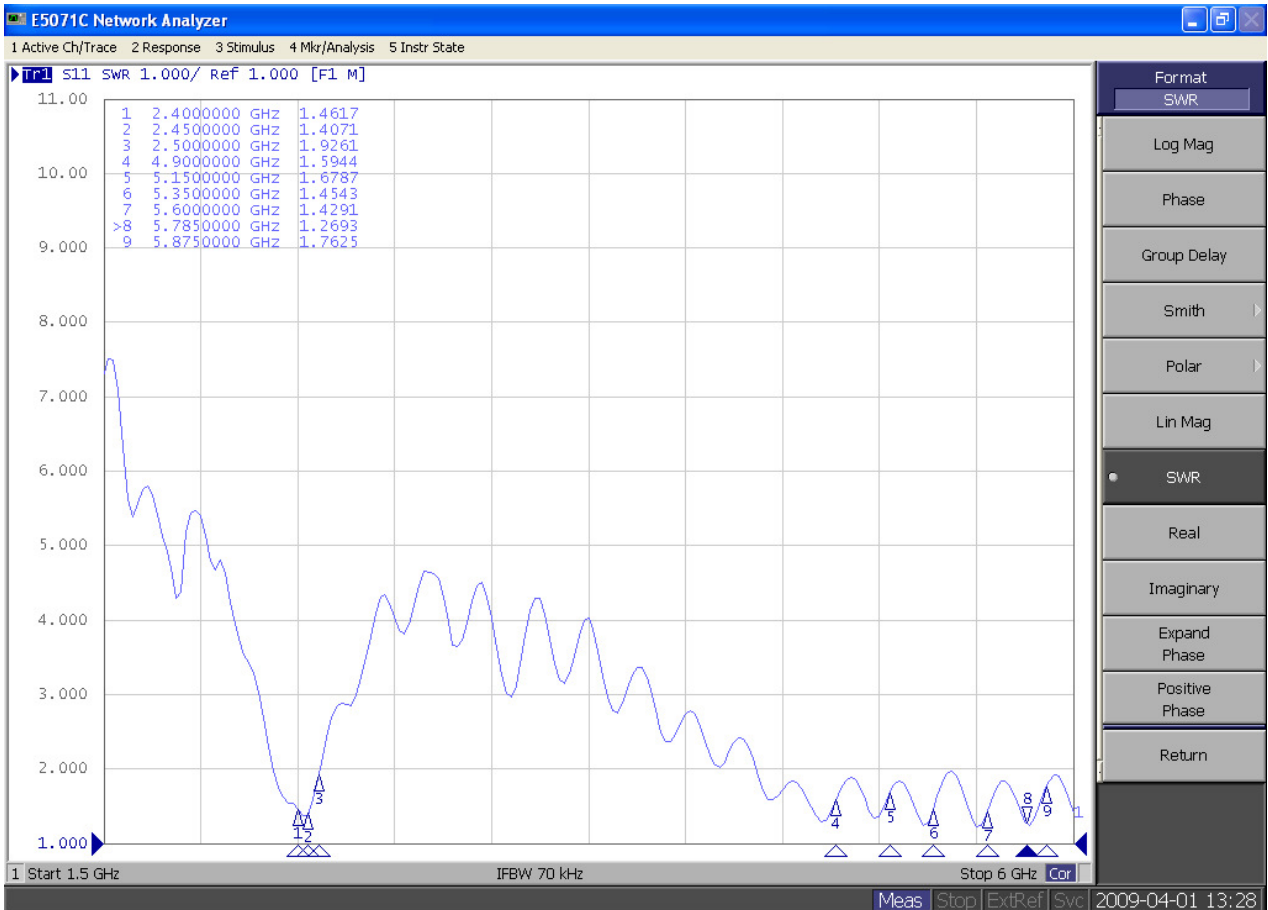
	H-Pol	V-Pol	H+V
Average Gain	-8.80	-6.75	-4.65
Peak Gain	-2.60	1.09	1.48

4.WLAN Ant./ (AUX) - 22G637501-10

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



2.4~2.5GHZ & 5.15~5.875GHZ/VSWR

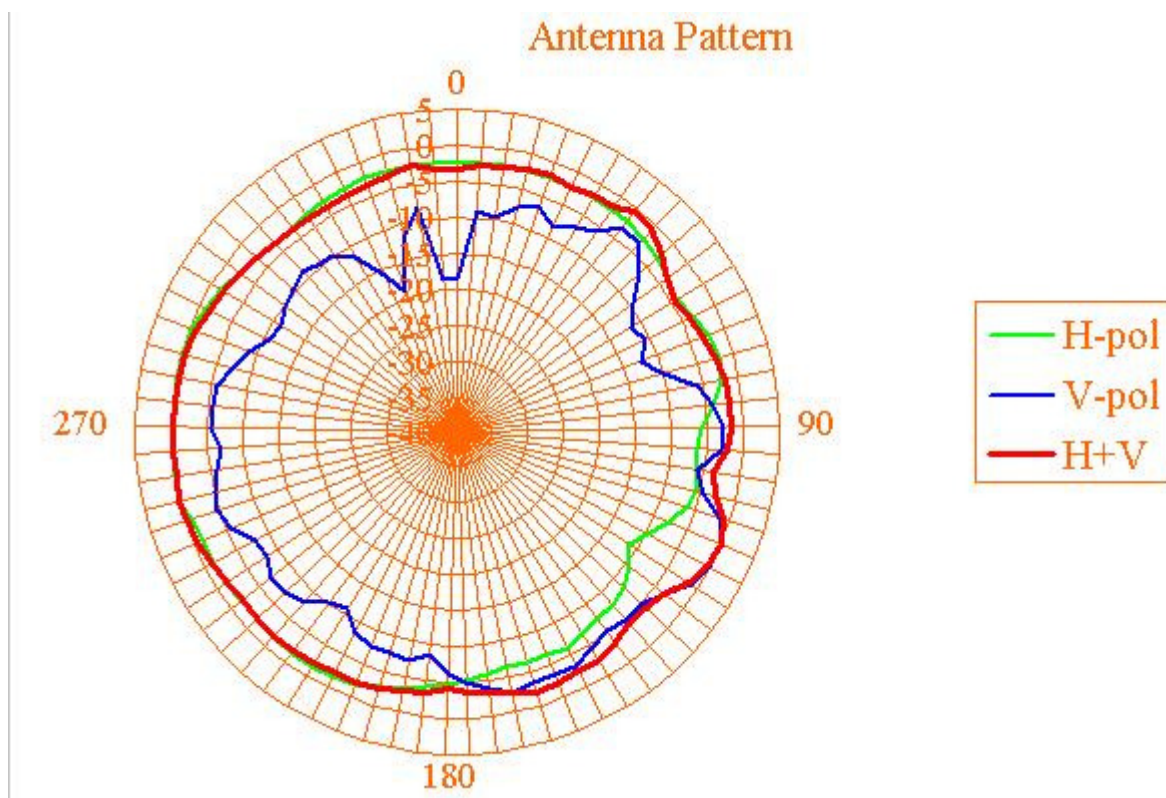


n. 5.Gain & Pattern –AUX - 22G637501-10

o. 2.4GHz



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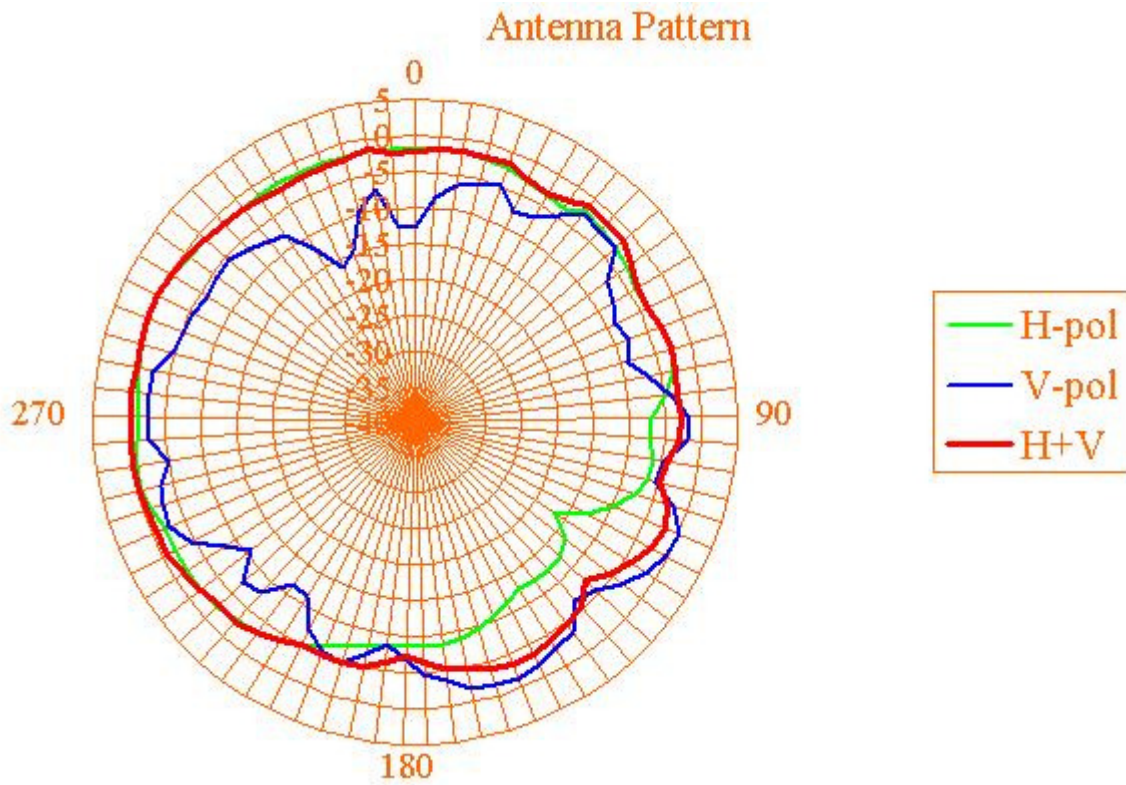


	H-Pol	V-Pol	H+V
Average Gain	-5.78	-8.28	-3.84
Peak Gain	-2.91	-2.35	-1.75

p. 2.45GHz



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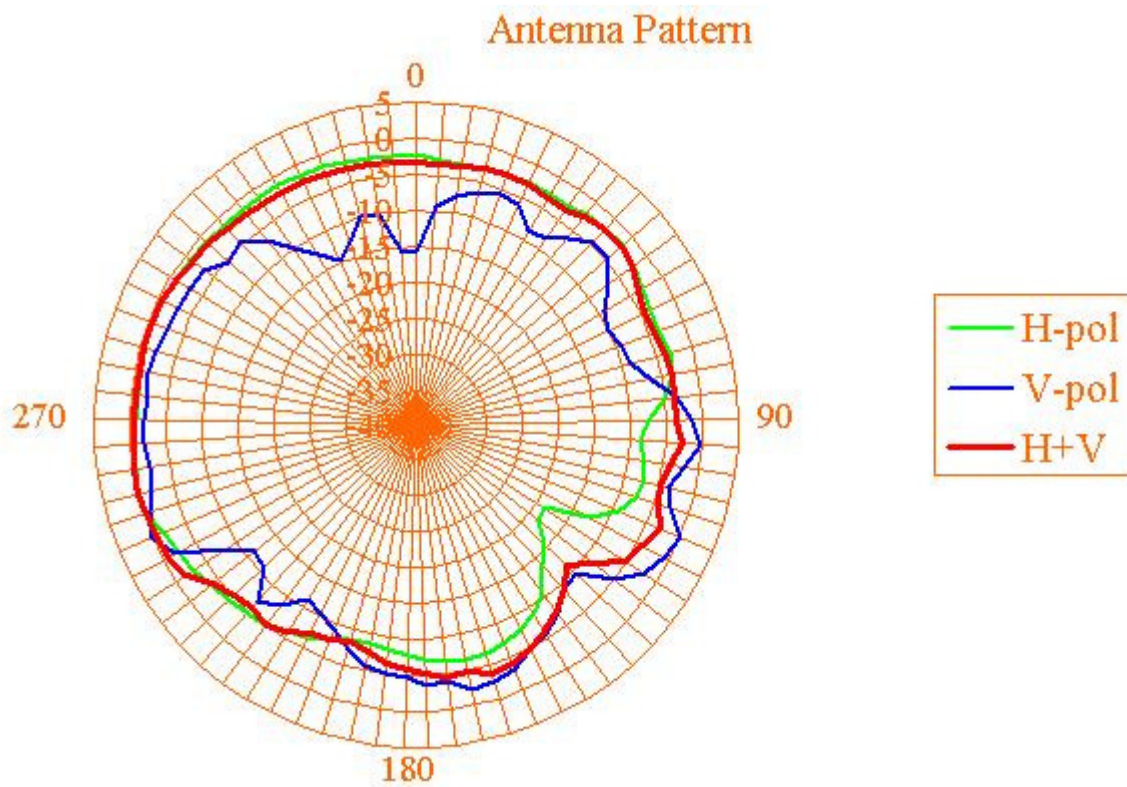


	H-Pol	V-Pol	H+V
Average Gain	-5.21	-8.61	-3.57
Peak Gain	-1.81	-3.89	-1.13

q. 2.5GHz



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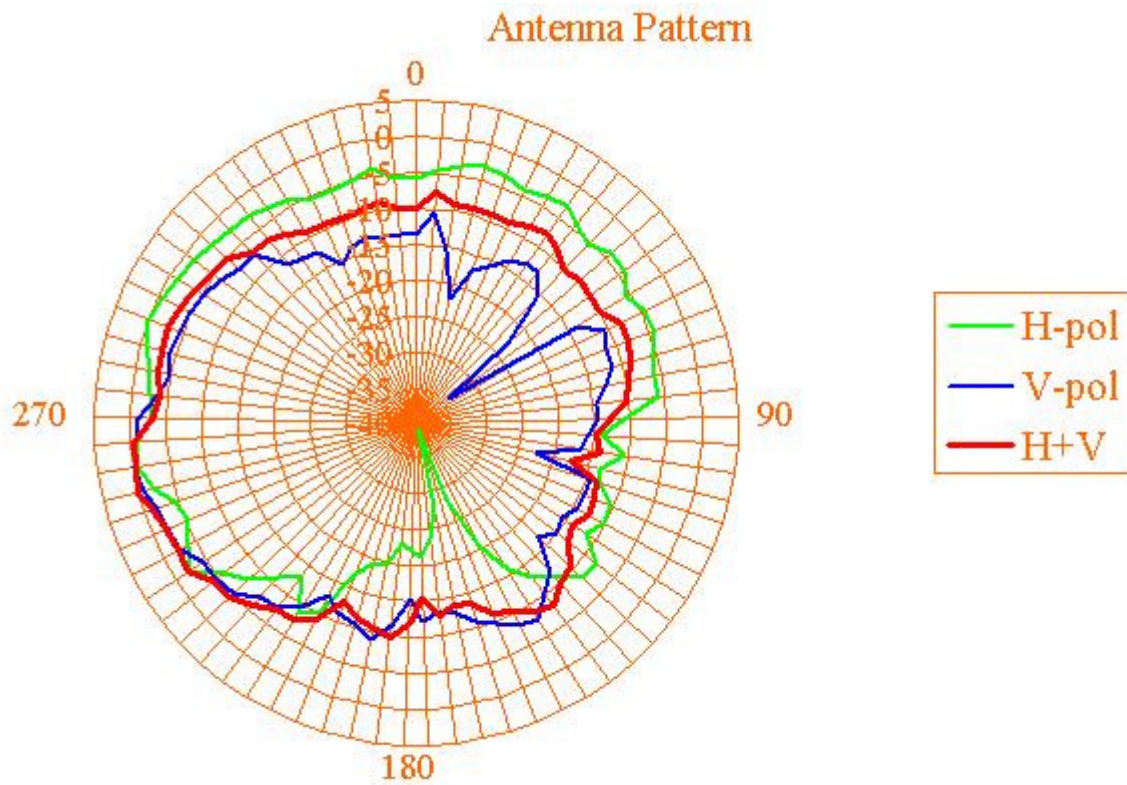


	H-Pol	V-Pol	H+V
Average Gain	-5.26	-8.71	-3.64
Peak Gain	-1.79	-4.16	-0.51

r. 4.9GHz



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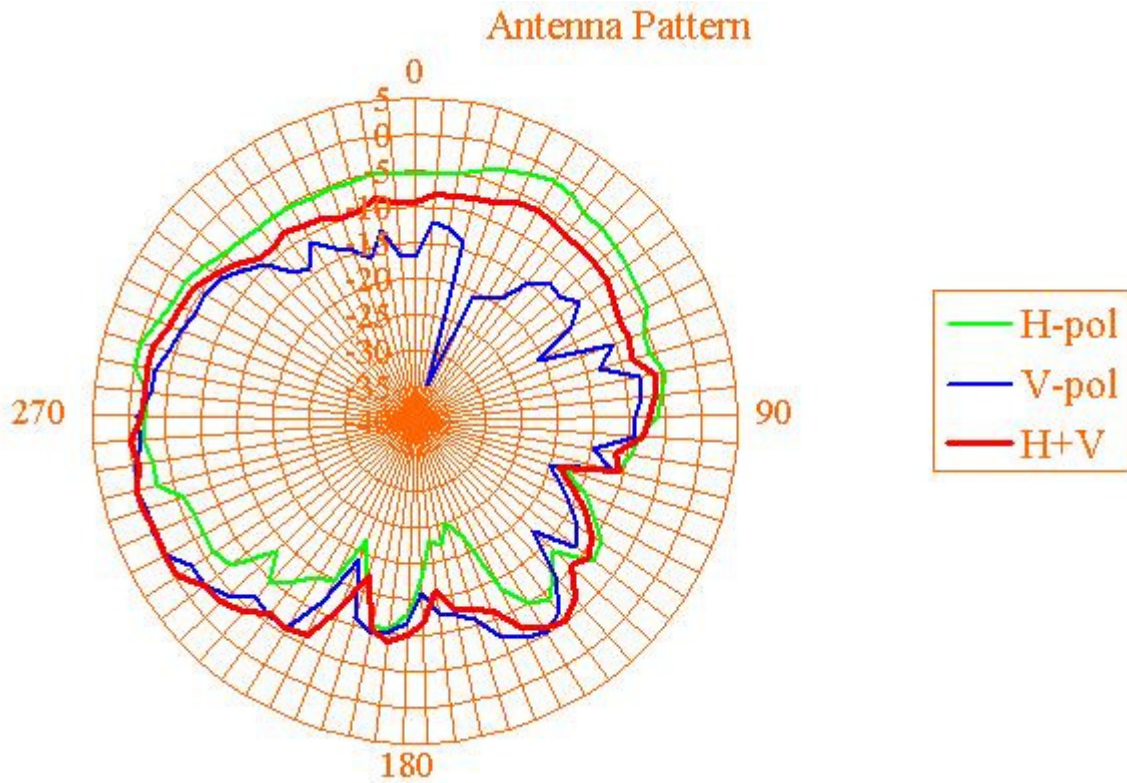


	H-Pol	V-Pol	H+V
Average Gain	-9.12	-6.29	-4.47
Peak Gain	-3.88	1.51	2.18

s. 5.15GHz



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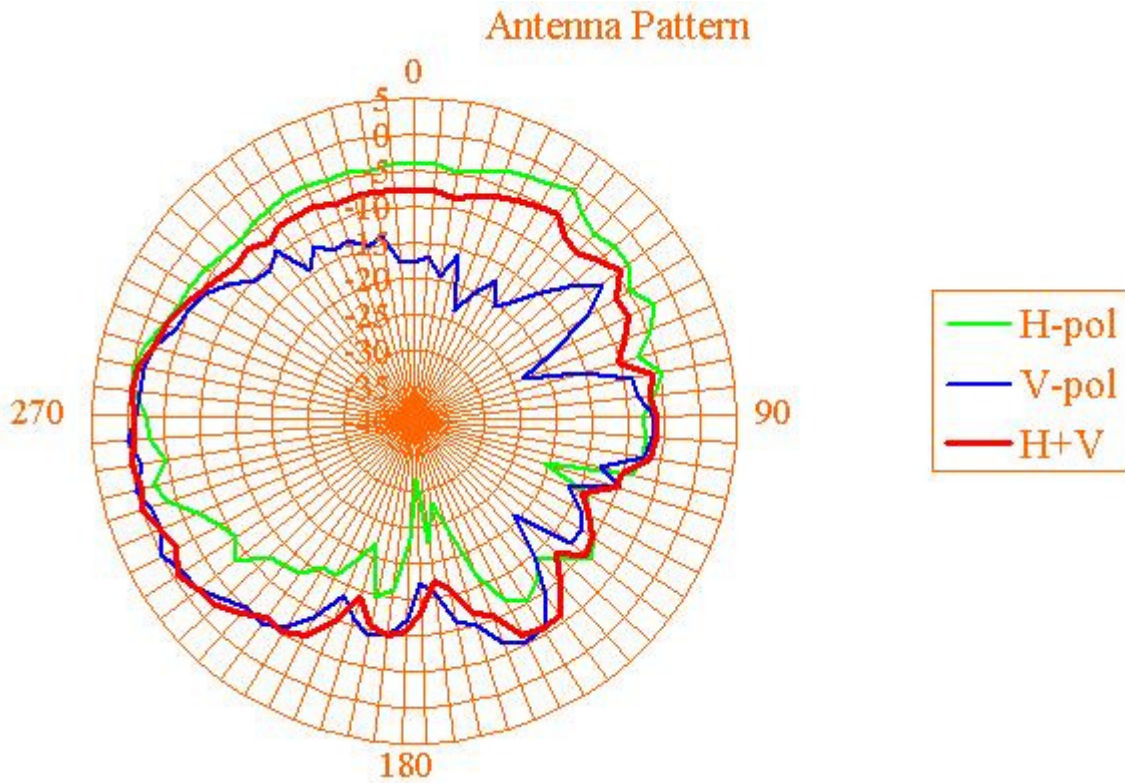


	H-Pol	V-Pol	H+V
Average Gain	-8.12	-5.41	-3.55
Peak Gain	-2.71	1.64	2.03

t. 5.25GHz



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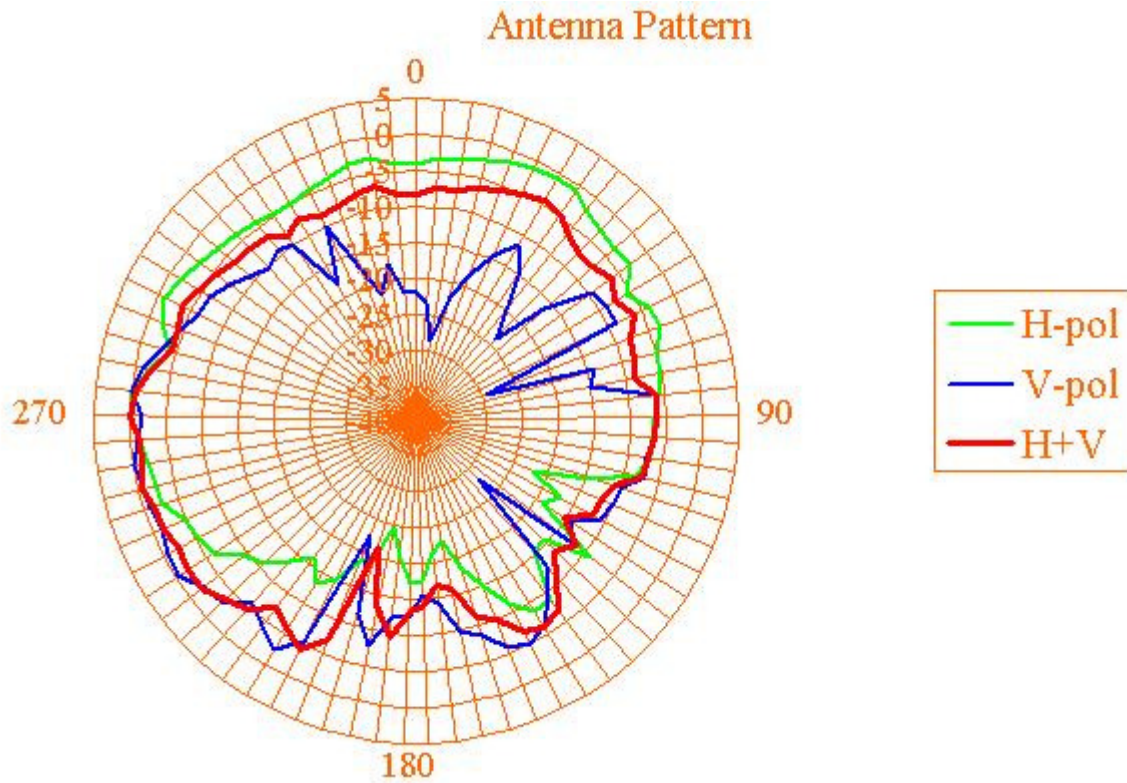


	H-Pol	V-Pol	H+V
Average Gain	-7.59	-5.45	-3.38
Peak Gain	-2.01	1.17	1.94

u. 5.35GHz



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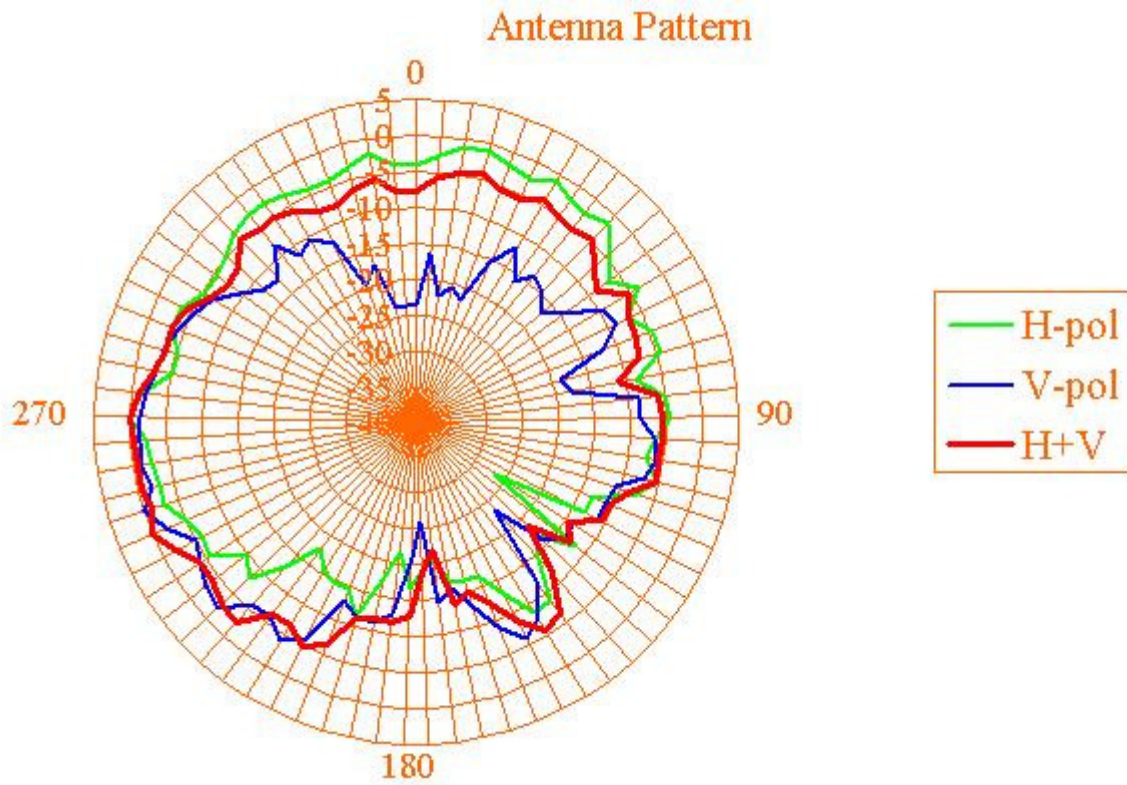


	H-Pol	V-Pol	H+V
Average Gain	-8.16	-7.12	-4.60
Peak Gain	-3.19	-0.74	1.11

v. 5.47GHz



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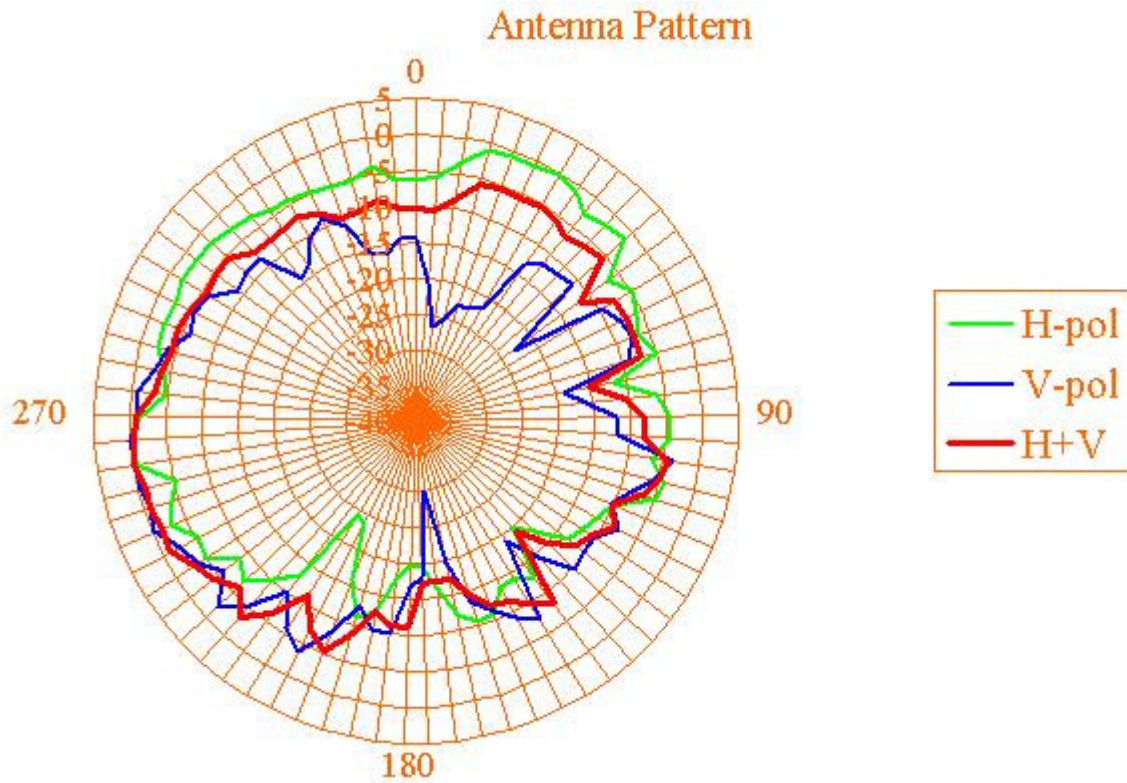


	H-Pol	V-Pol	H+V
Average Gain	-7.63	-6.75	-4.16
Peak Gain	-2.38	0.55	1.20

w.5.6GHz



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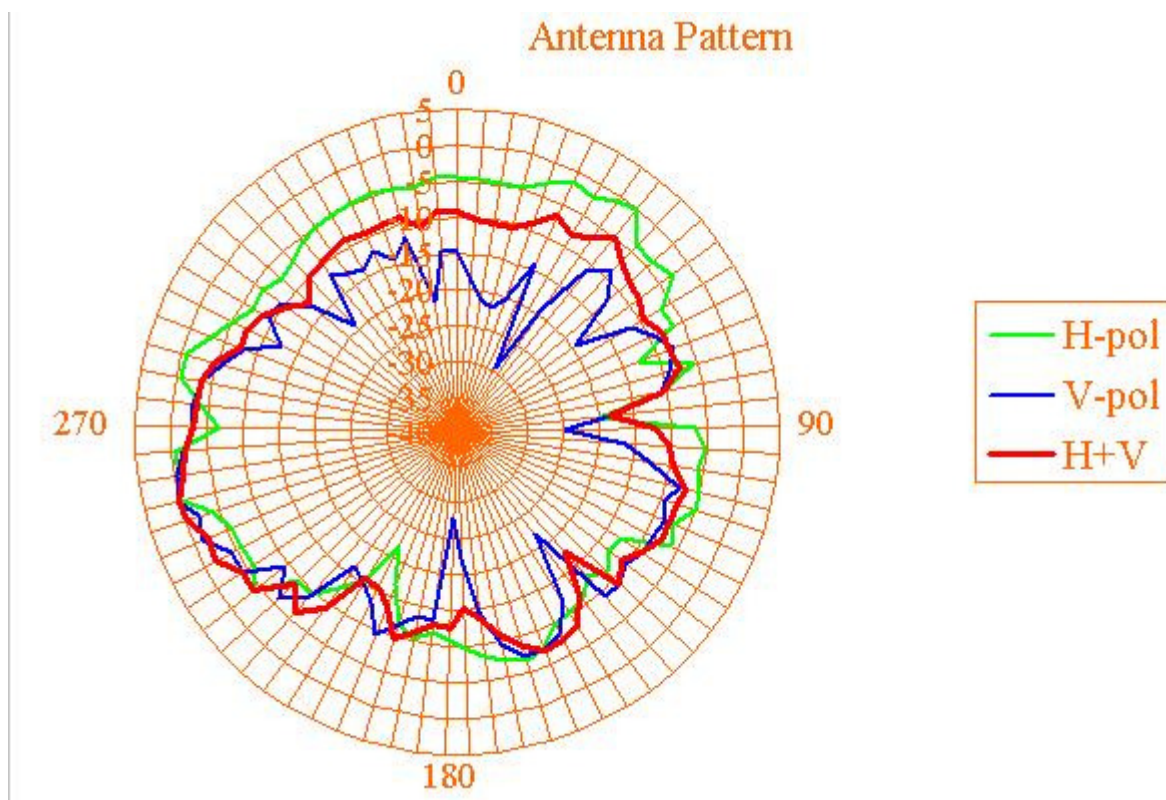


	H-Pol	V-Pol	H+V
Average Gain	-8.56	-6.60	-4.46
Peak Gain	-3.59	0.24	1.59

x. 5.725GHz



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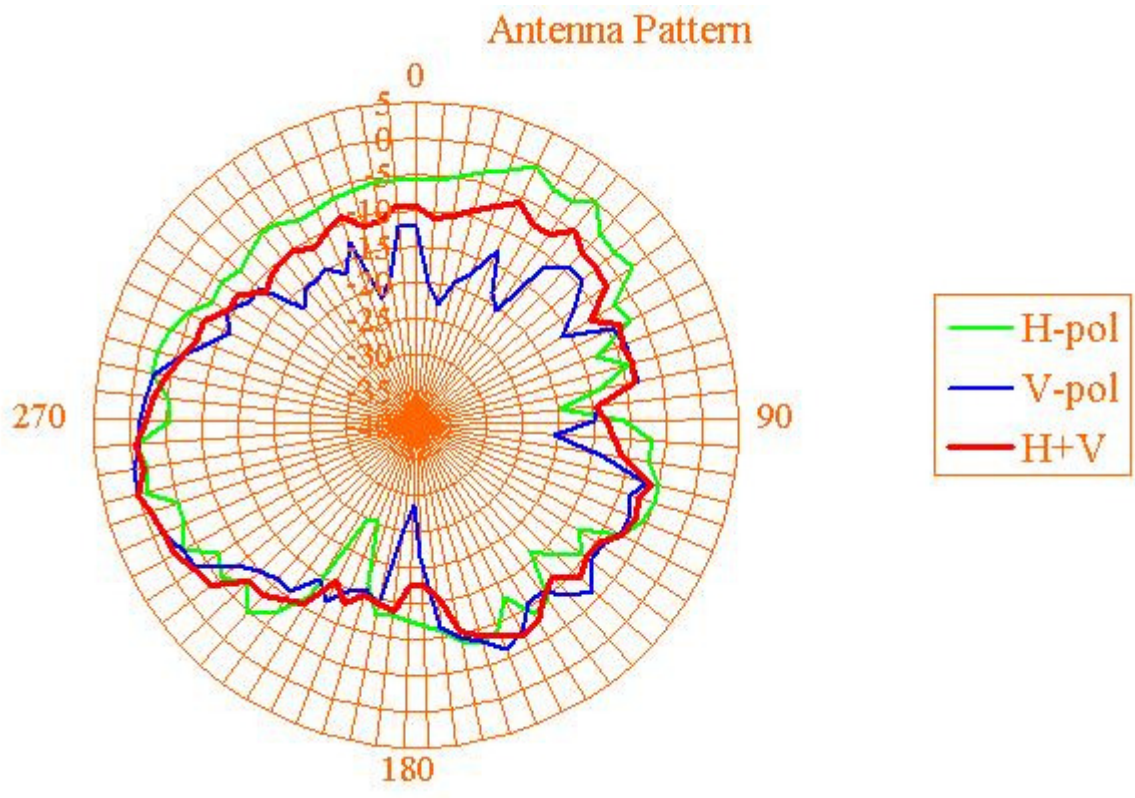


	H-Pol	V-Pol	H+V
Average Gain	-8.94	-6.61	-4.61
Peak Gain	-3.58	1.58	2.42

y. 5.785GHz



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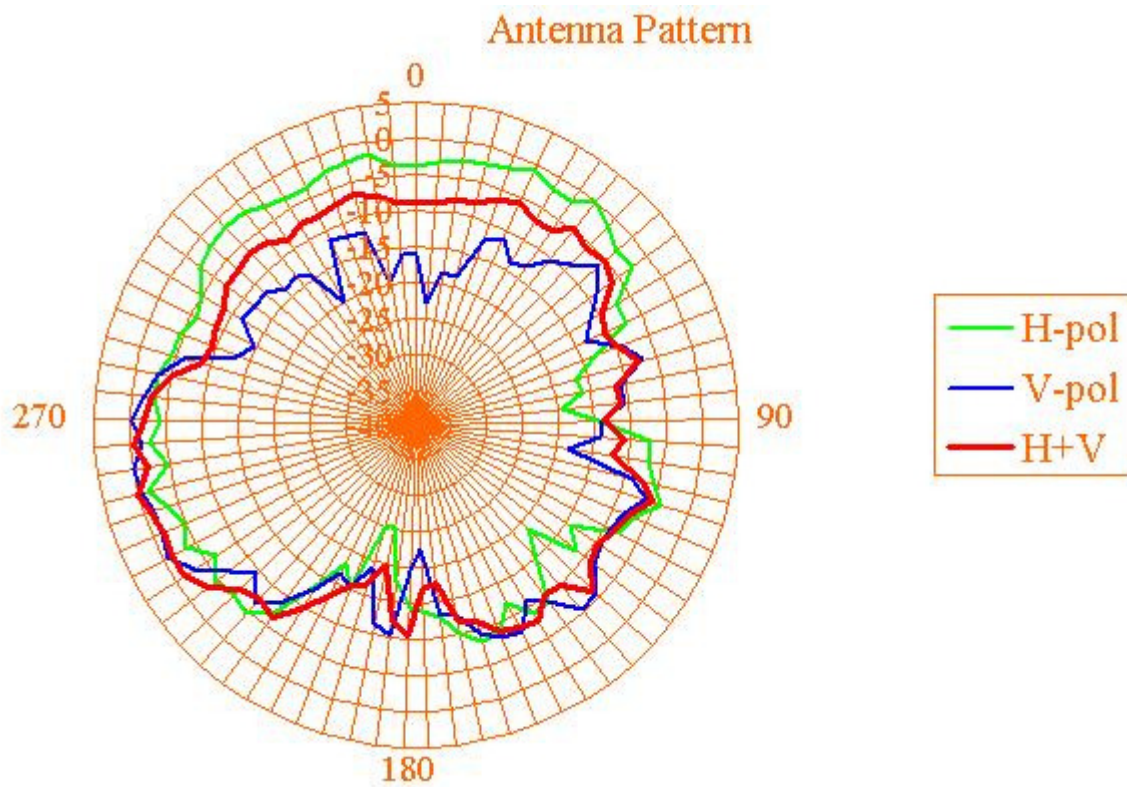


	H-Pol	V-Pol	H+V
Average Gain	-9.36	-6.60	-4.75
Peak Gain	-3.64	1.17	2.15

z. 5.85GHz



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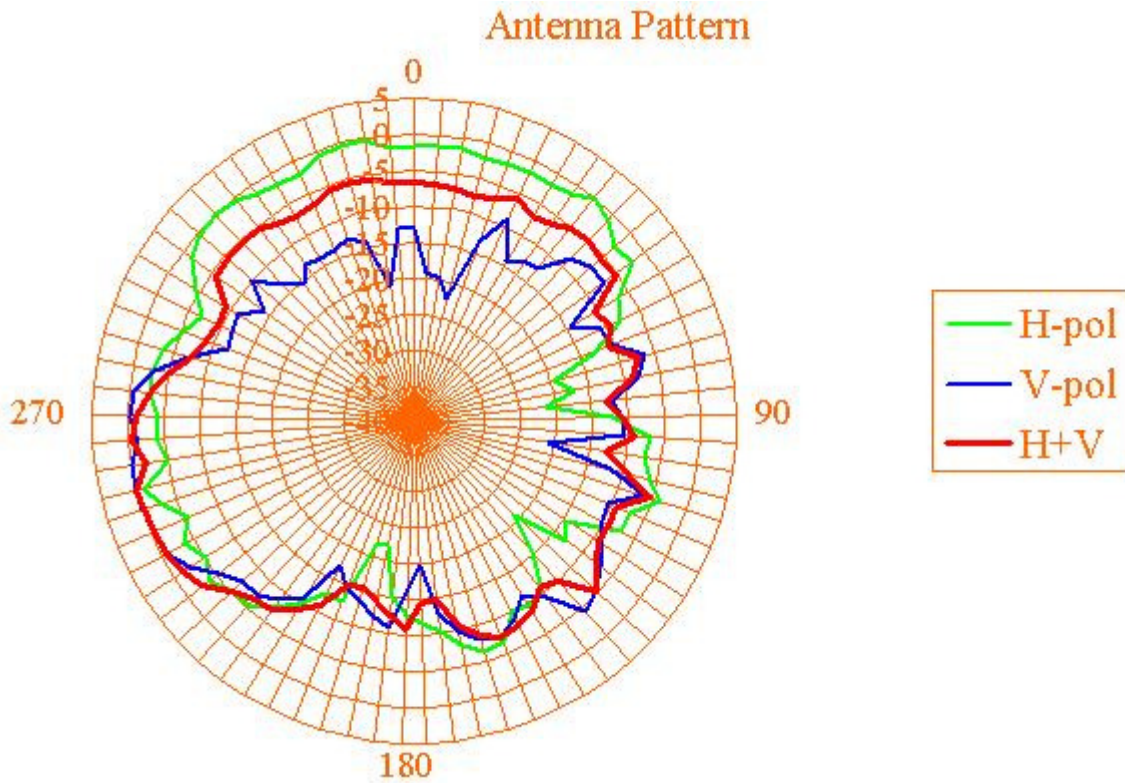


	H-Pol	V-Pol	H+V
Average Gain	-9.18	-6.57	-4.67
Peak Gain	-4.10	0.93	1.80

aa.5.875GHz



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	H-Pol	V-Pol	H+V
Average Gain	-9.04	-6.80	-4.76
Peak Gain	-4.59	0.22	1.20