DATE：2009/04/06

CUSTOMER：ECS ELITEGROUP

TEST REPORT

MODEL	**T20 & T21-WLAN**
DESCRIPTION	**Wireless LAN Antenna** **Design type:PIFA** **2.4~2.5GHZ /4.9~5.875GHZ**
SUPPLIER P/N	**DPLP152-0001(MAIN)** **DPLP151-0001(AUX)**
CUSTOMER P/N	**22G641001-00(MAIN)** **22G600530-40(AUX)**
FILE P/N	

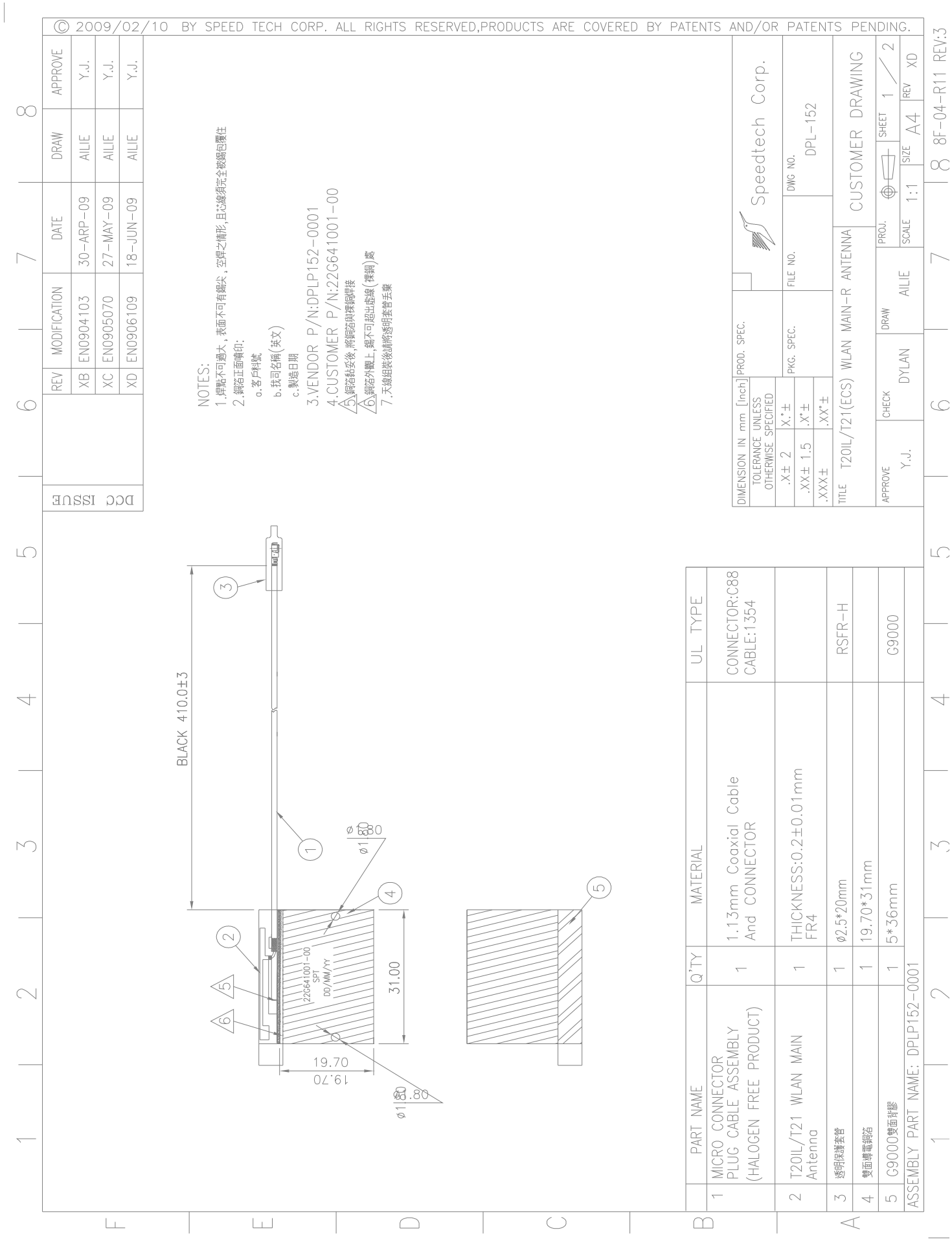
SPEEDTECH			**CUSTOMER**	
Manager	**Supervisor**	**Engineer**		
Y.J	**LUN**	**LUN**		

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

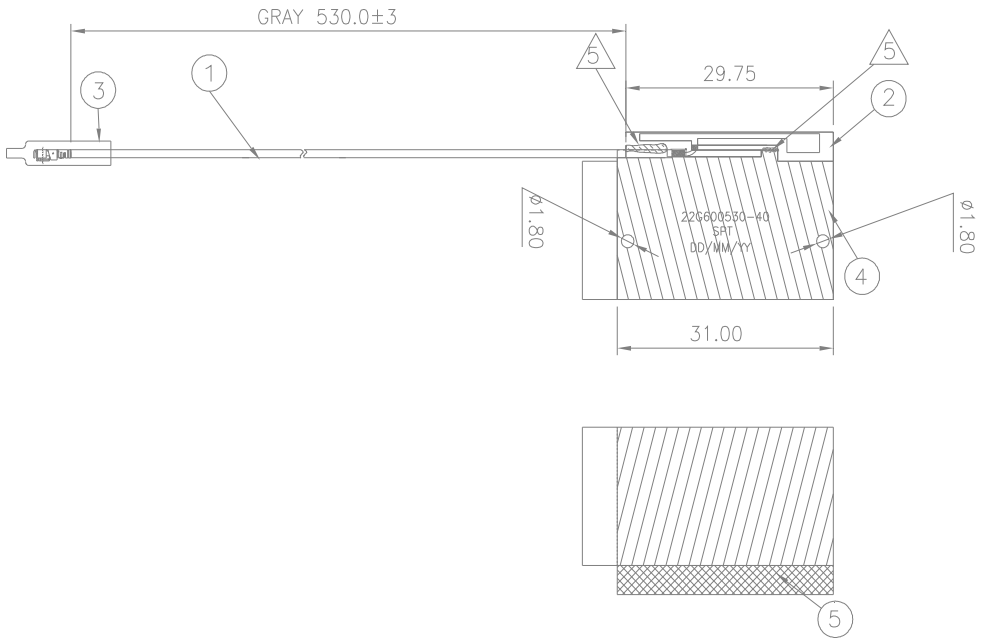
1. Drawing Assembly & BOM

MAIN



AUX

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，表面不可有錫尖，空焊之情形,且芯線須完全被錫包覆住
2.銅箔正面噴印:
a.客戶料號
b.我司名稱(英文)
c.製造日期
3.VENDOR P/N:DPLP151-0001
4.CUSTOMER P/N:22G600530-40
5.銅箔黏妥後,將銅箔與裸銅焊接
6.天線組裝後請將透明套管丟棄

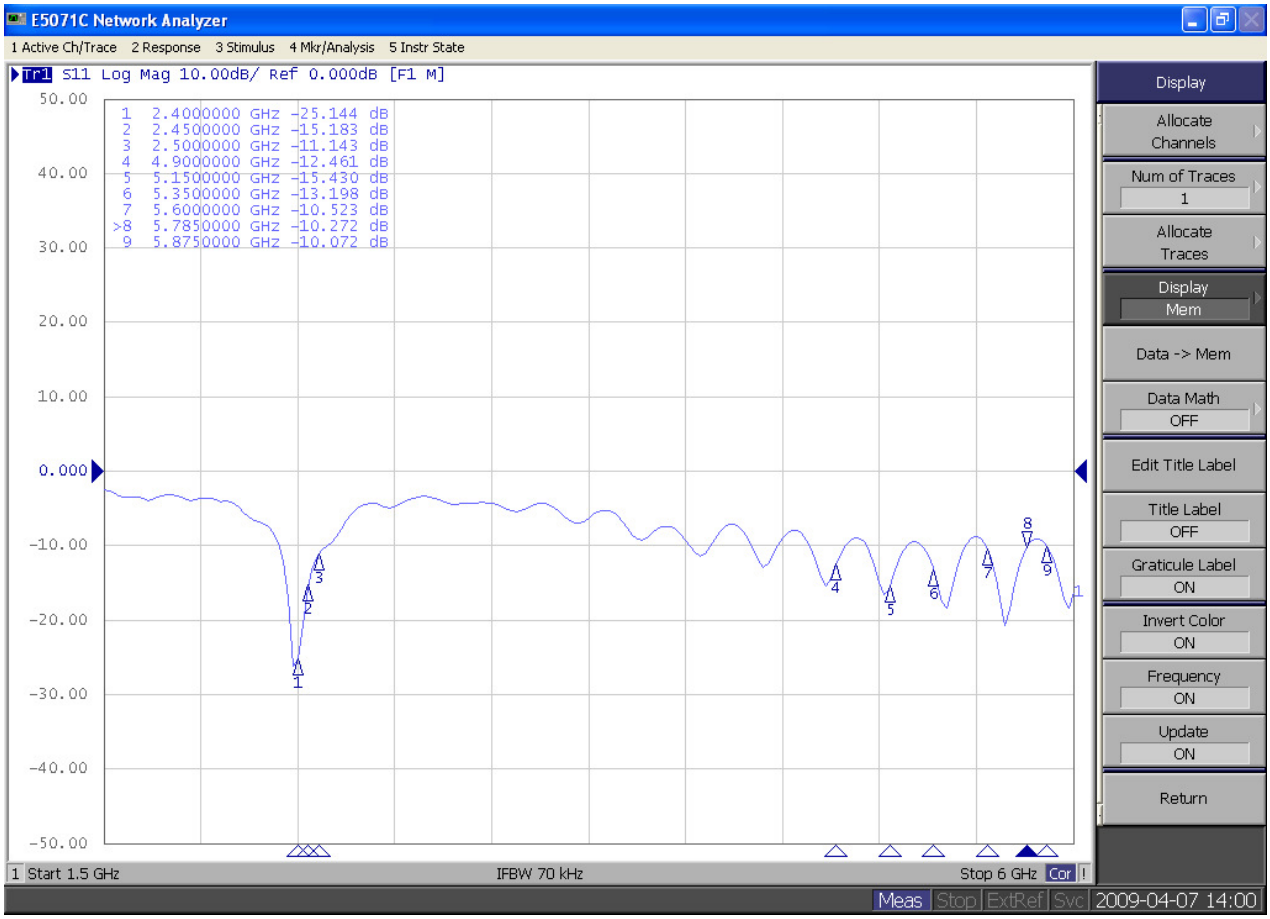
	PART NAME	Q'TY	MATERIAL	UL TYPE
1	MICRO CONNECTOR PLUG CABLE ASSEMBLY (HALOGEN FREE PRODUCT)	1	1.13mm Coaxial Cable And CONNECTOR	CONNECTOR:C88 CABLE:1354
2	I40/I41-WLAN AUX Antenna	1	THICKNESS:0.2±0.01mm FR4	
3	透明保護套管	1	ø2.5*20mm	RSFR-H
4	雙面導電銅箔	1	20.50*36mm	
5	G9000雙面背膠	1	4*29.75mm	G9000
ASSEMBLY PART NAME: DPLP151-0001				

DIMENSION IN mm [Inch] TOLERANCE UNLESS OTHERWISE SPECIFIED	PROD. SPEC.	Speedtech Corp.	
.X±2 X.°± / .XX±1.5 .X°± / .XXX± .XX°±	PKG. SPEC.	FILE NO.	DWG NO. DPL-151
TITLE T20IL/T21(ECS) WLAN (AUX) (L) ANTENNA			CUSTOMER DRAWING
APPROVE Y.J.	CHECK DYLAN	DRAW AILIE	PROJ. SHEET 1/2
SCALE 1:1	SIZE A4	REV XC	

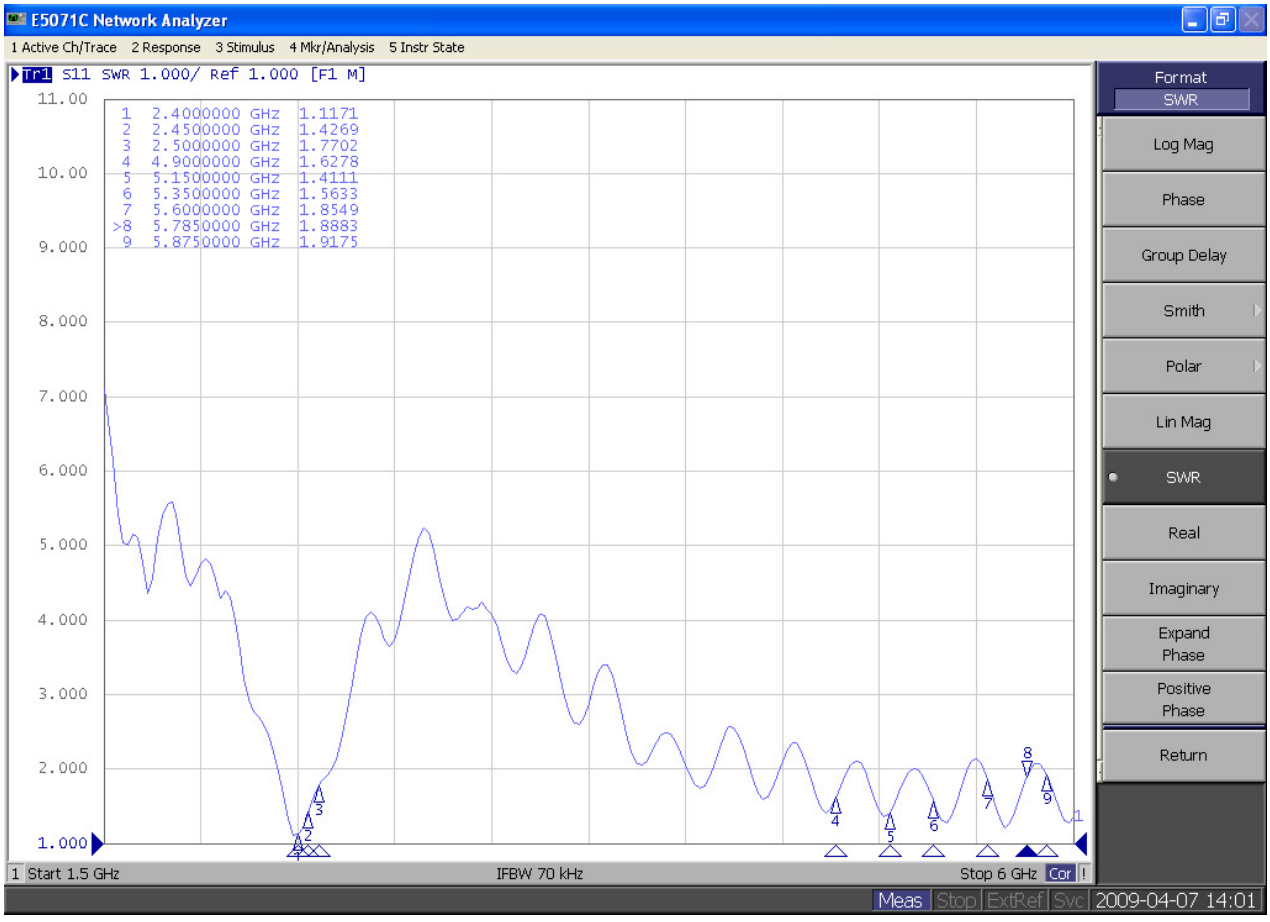
8F-04-R11 REV:3

2.WLAN Ant./ (MAIN) - 22G641001-00

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



2.4~2.5GHZ &5.15~5.875GHZ/VSWR

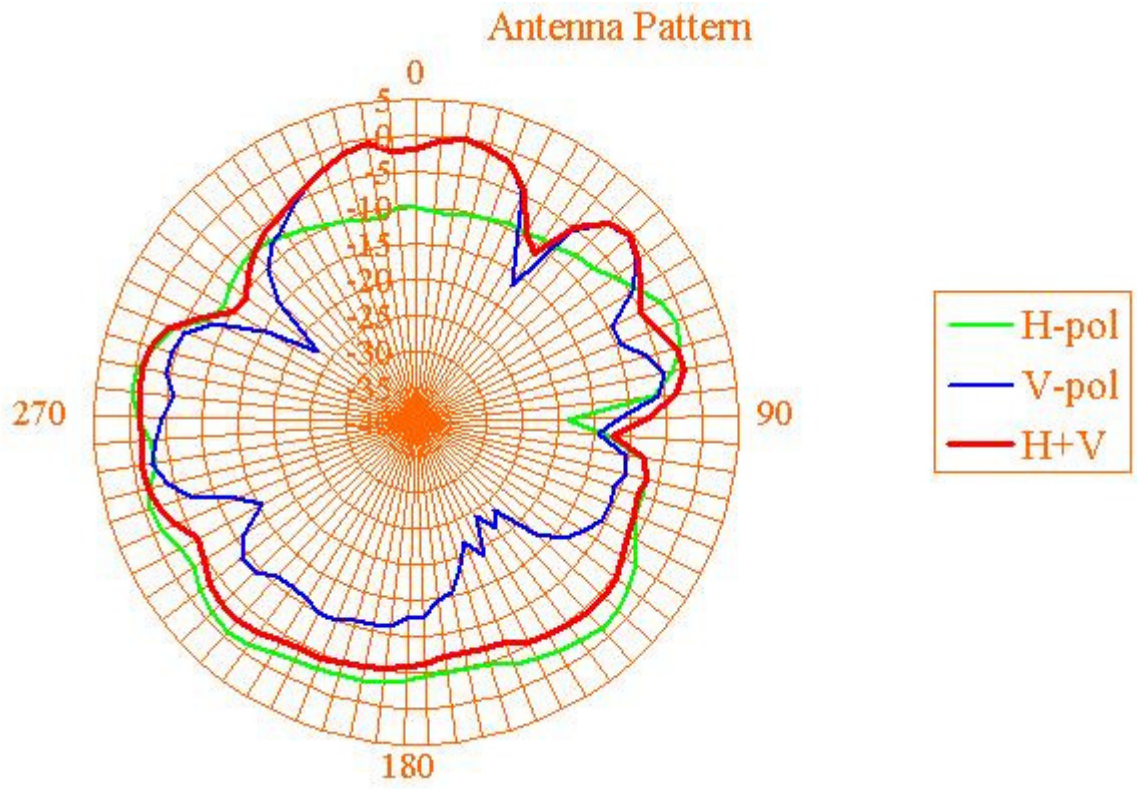


3.Gain & Pattern –MAIN - 22G641001-00

a. 2.4GHz

SpeedTech
www.speedtech.com.tw

No.568, Sec. 1, Min-Sheng N.Road. Kwei-Shan Hsiang, Taoyuan Hsien, Taiwan

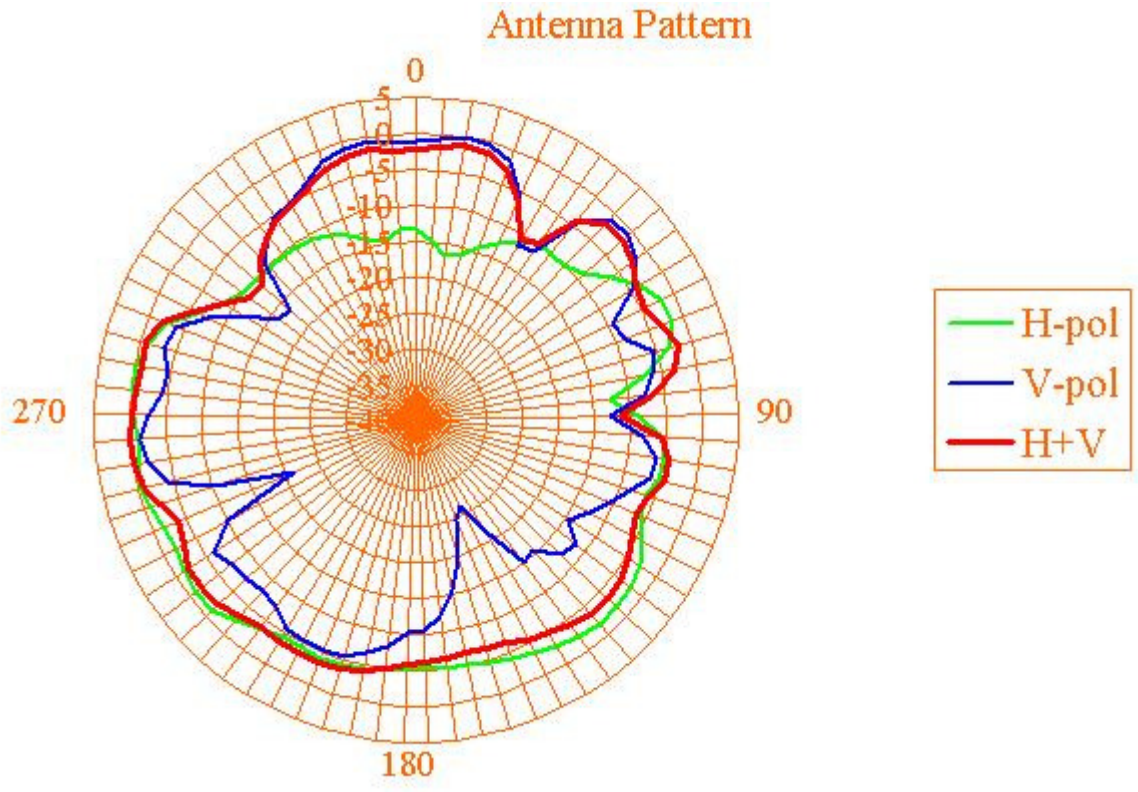


	H-Pol	V-Pol	H+V
Average Gain	-6.60	-6.27	-3.42
Peak Gain	-2.57	0.24	0.43

b. 2.45GHz

SpeedTech
www.speedtech.com.tw

No.568, Sec. 1, Min-Sheng N.Road. Kwei-Shan Hsiang, Taoyuan Hsien, Taiwan

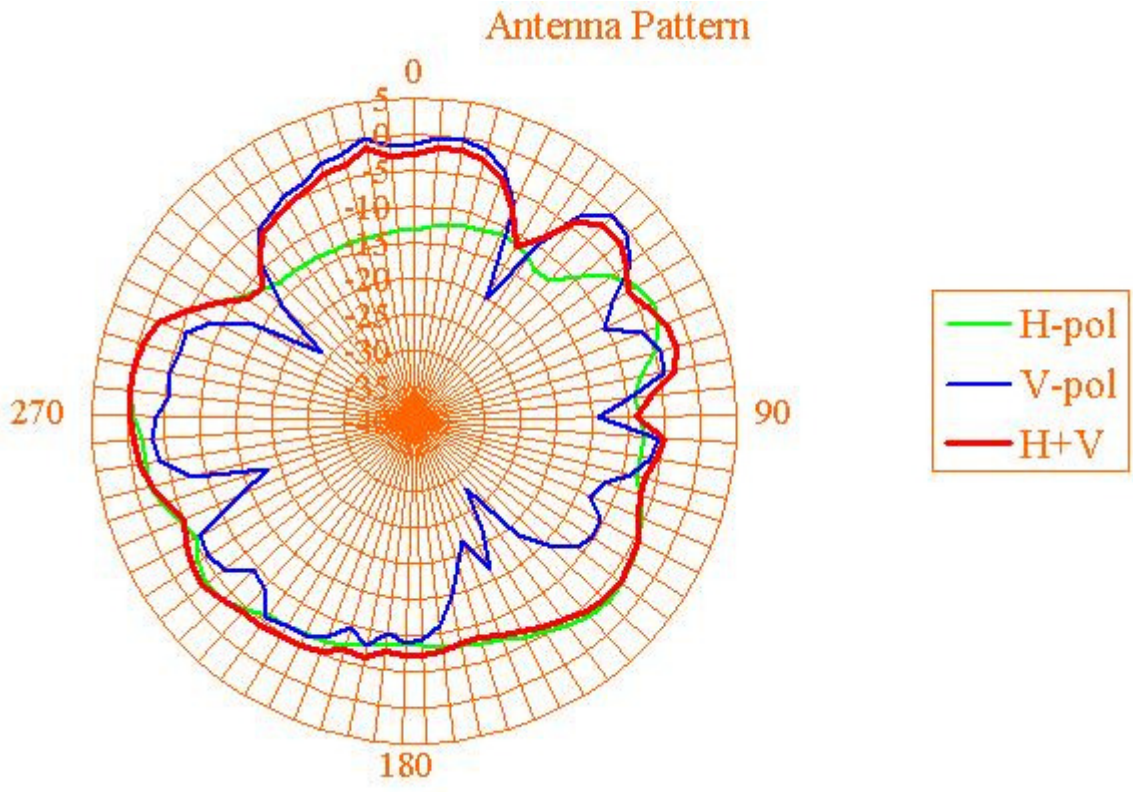


	H-Pol	V-Pol	H+V
Average Gain	-6.29	-6.63	-3.45
Peak Gain	-1.99	-0.99	0.23

c. 2.5GHz

SpeedTech
www.speedtech.com.tw

No.568, Sec. 1, Min-Sheng N.Road. Kwei-Shan Hsiang, Taoyuan Hsien, Taiwan

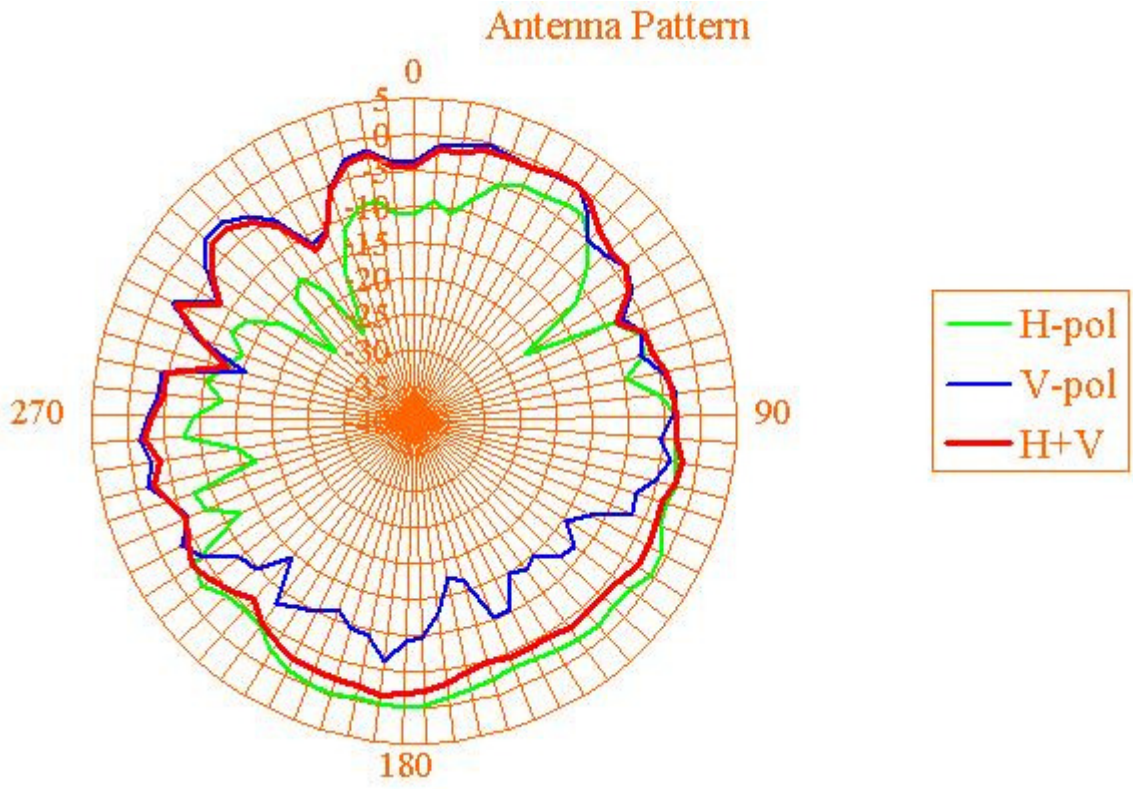


	H-Pol	V-Pol	H+V
Average Gain	-6.12	-7.22	-3.62
Peak Gain	-0.46	-1.22	0.50

d. 4.9GHz

SpeedTech
www.speedtech.com.tw

No.568, Sec. 1, Min-Sheng N.Road. Kwei-Shan Hsiang, Taoyuan Hsien, Taiwan

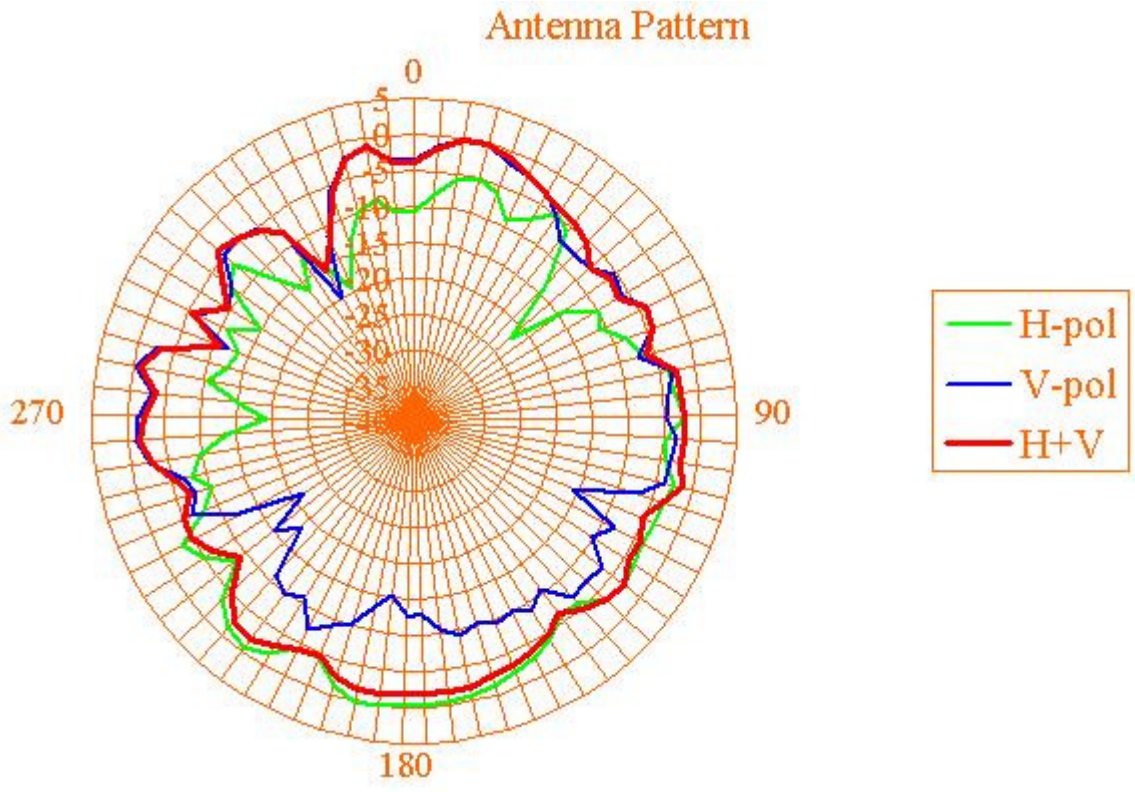


	H-Pol	V-Pol	H+V
Average Gain	-8.28	-7.33	-4.77
Peak Gain	-3.85	-2.41	-1.29

e. 5.15GHz

SpeedTech
www.speedtech.com.tw

No.568, Sec. 1, Min-Sheng N.Road. Kwei-Shan Hsiang, Taoyuan Hsien, Taiwan

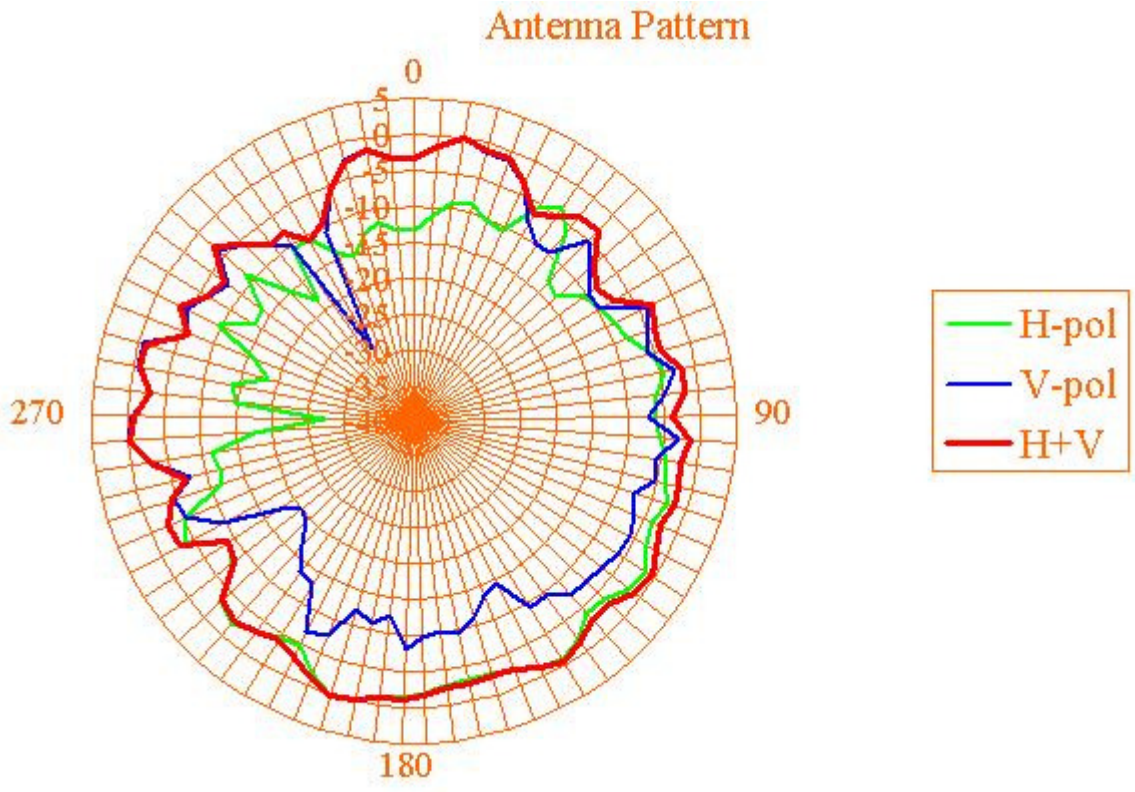


	H-Pol	V-Pol	H+V
Average Gain	-7.26	-6.78	-4.00
Peak Gain	-2.32	-1.24	-0.44

f. 5.25GHz

SpeedTech
www.speedtech.com.tw

No.568, Sec. 1, Min-Sheng N.Road. Kwei-Shan Hsiang, Taoyuan Hsien, Taiwan

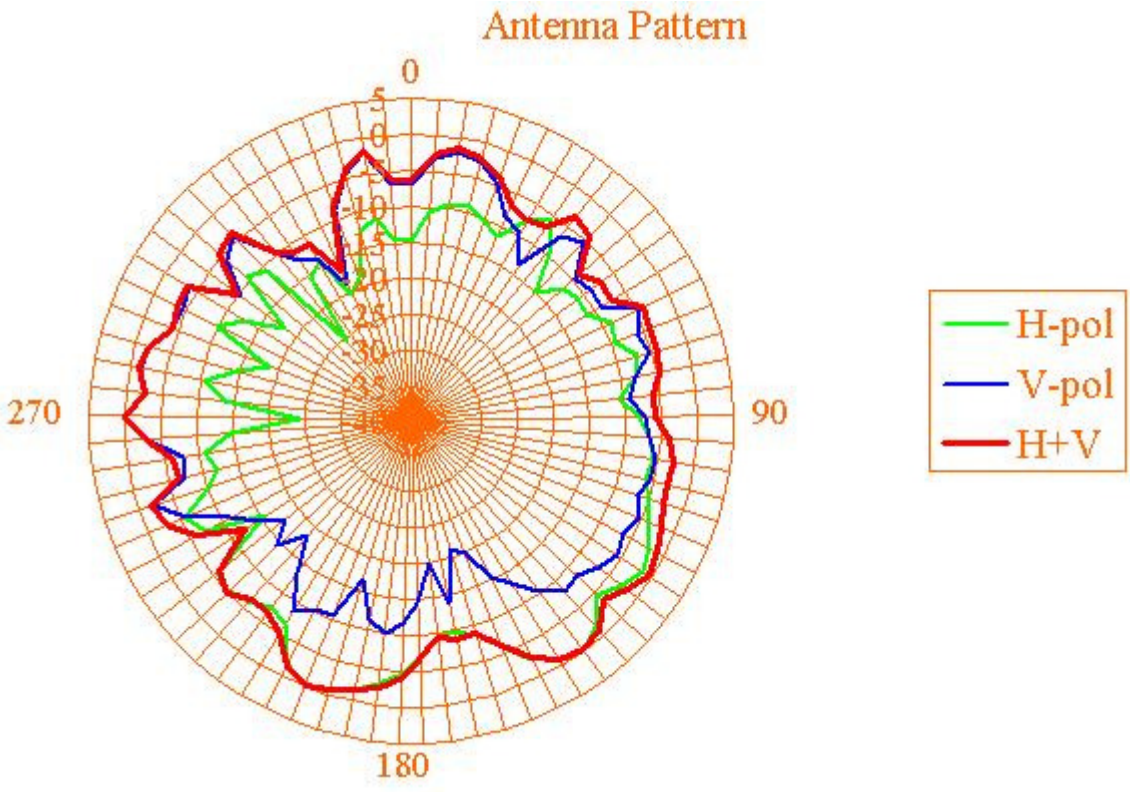


	H-Pol	V-Pol	H+V
Average Gain	-7.01	-7.28	-4.13
Peak Gain	-1.69	-1.73	-1.34

g. 5.35GHz

SpeedTech
www.speedtech.com.tw

No.568, Sec. 1, Min-Sheng N.Road. Kwei-Shan Hsiang, Taoyuan Hsien, Taiwan

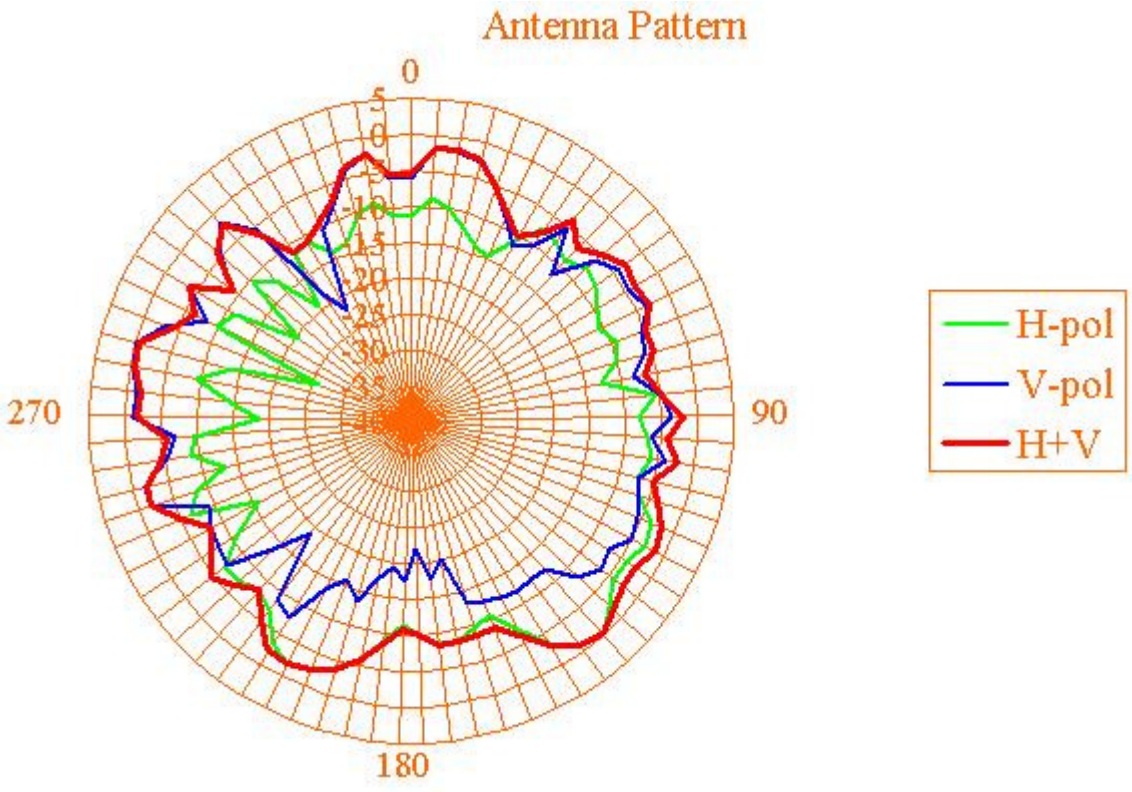


	H-Pol	V-Pol	H+V
Average Gain	-6.96	-6.89	-3.91
Peak Gain	-0.54	-0.33	-0.15

h. 5.47GHz

SpeedTech
www.speedtech.com.tw

No.568, Sec. 1, Min-Sheng N.Road. Kwei-Shan Hsiang, Taoyuan Hsien, Taiwan

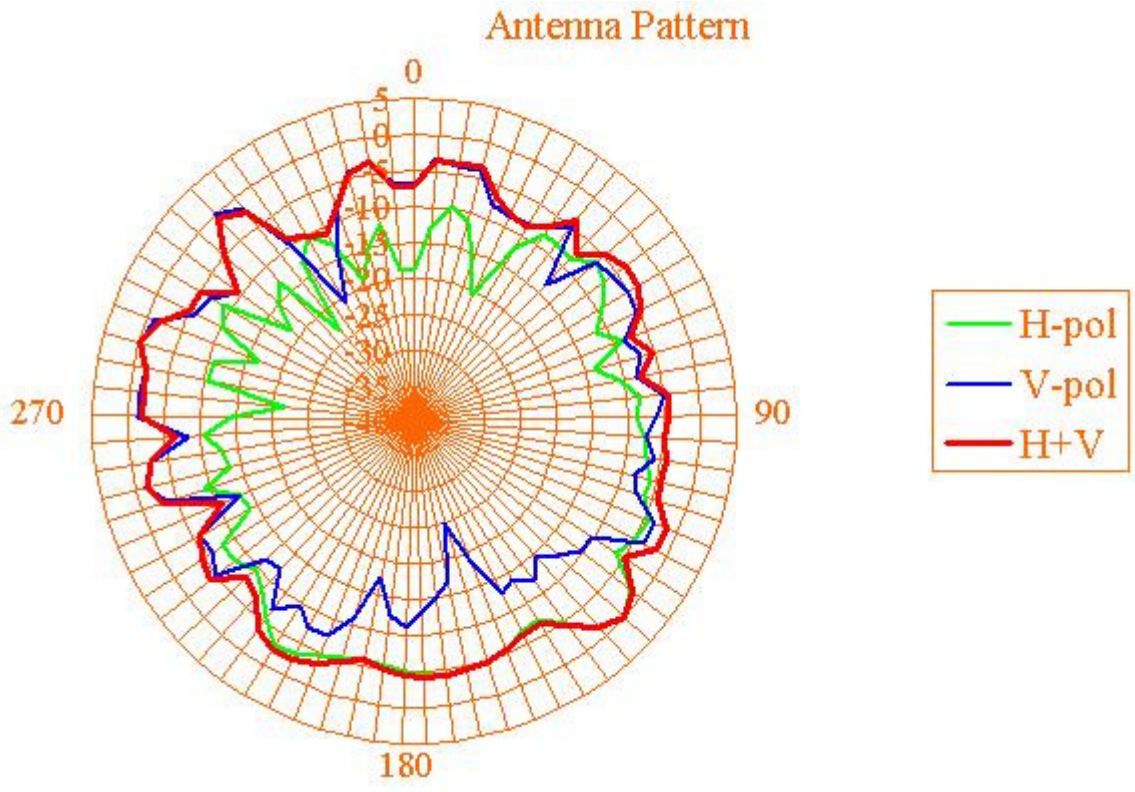


	H-Pol	V-Pol	H+V
Average Gain	-7.70	-6.84	-4.24
Peak Gain	-0.40	-0.91	-0.17

i. 5.6GHz

SpeedTech
www.speedtech.com.tw

No.568, Sec. 1, Min-Sheng N.Road. Kwei-Shan Hsiang, Taoyuan Hsien, Taiwan

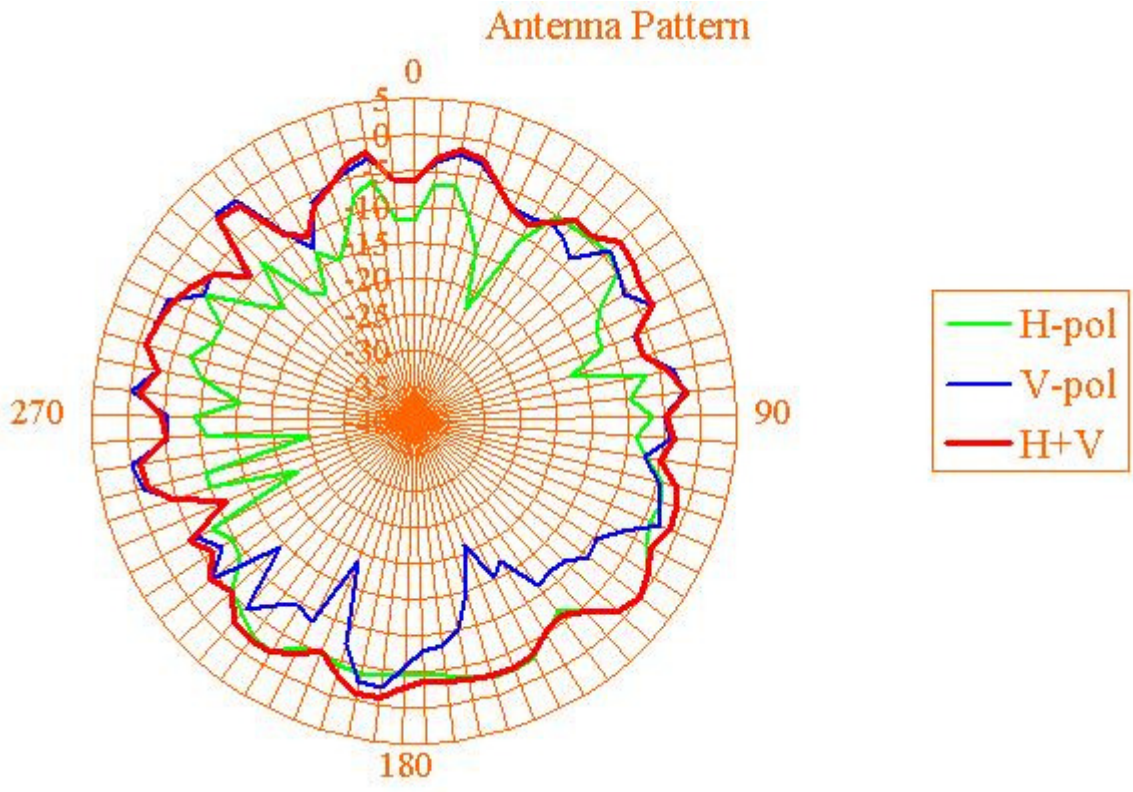


	H-Pol	V-Pol	H+V
Average Gain	-7.11	-6.21	-3.63
Peak Gain	0.34	-0.11	0.55

j. 5.725GHz

SpeedTech
www.speedtech.com.tw

No.568, Sec. 1, Min-Sheng N.Road. Kwei-Shan Hsiang, Taoyuan Hsien, Taiwan

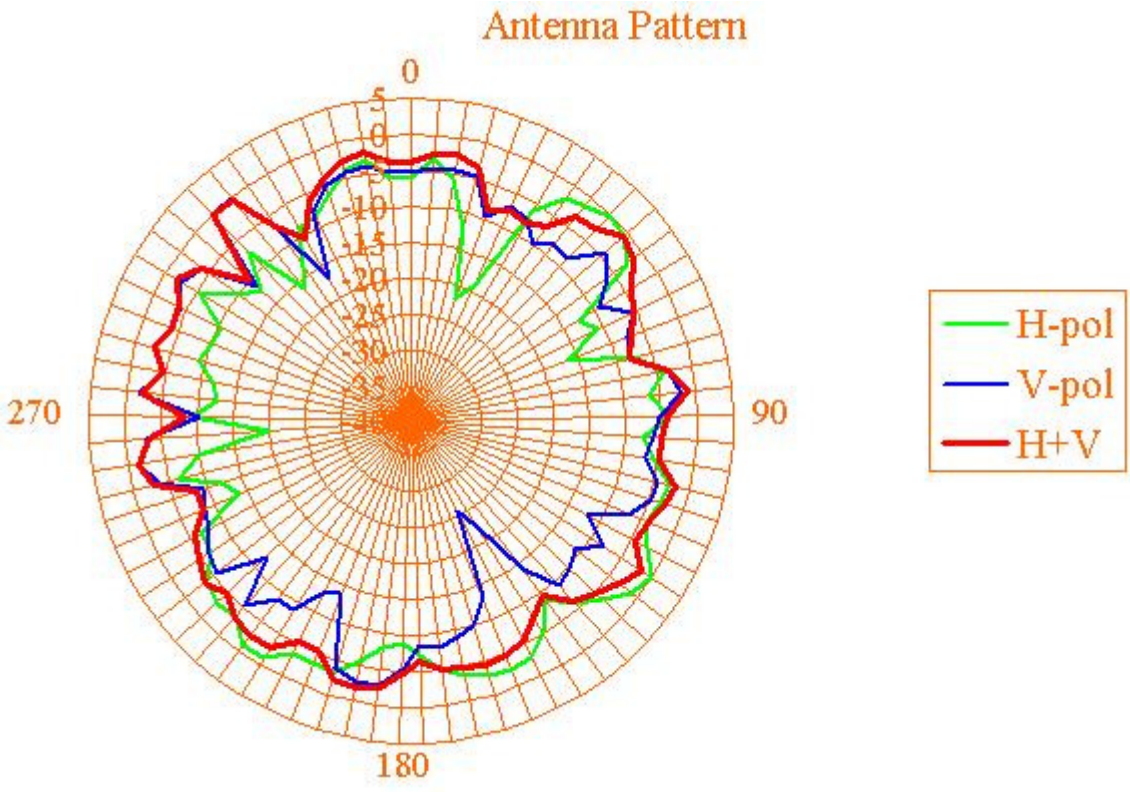


	H-Pol	V-Pol	H+V
Average Gain	-7.77	-7.36	-4.55
Peak Gain	-1.71	-2.39	-1.26

k. 5.785GHz

SpeedTech
www.speedtech.com.tw

No.568, Sec. 1, Min-Sheng N.Road. Kwei-Shan Hsiang, Taoyuan Hsien, Taiwan

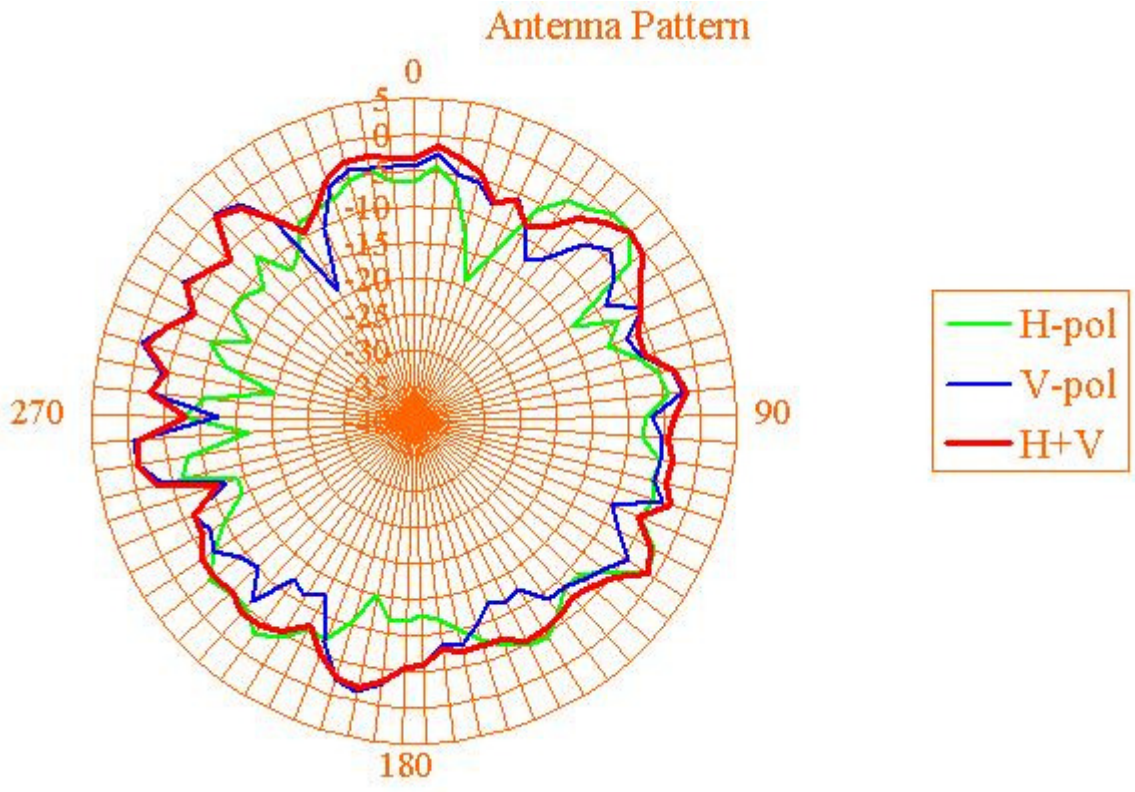


	H-Pol	V-Pol	H+V
Average Gain	-8.18	-6.64	-4.33
Peak Gain	-3.14	-0.87	-0.43

l. 5.85GHz

SpeedTech
www.speedtech.com.tw

No.568, Sec. 1, Min-Sheng N.Road. Kwei-Shan Hsiang, Taoyuan Hsien, Taiwan

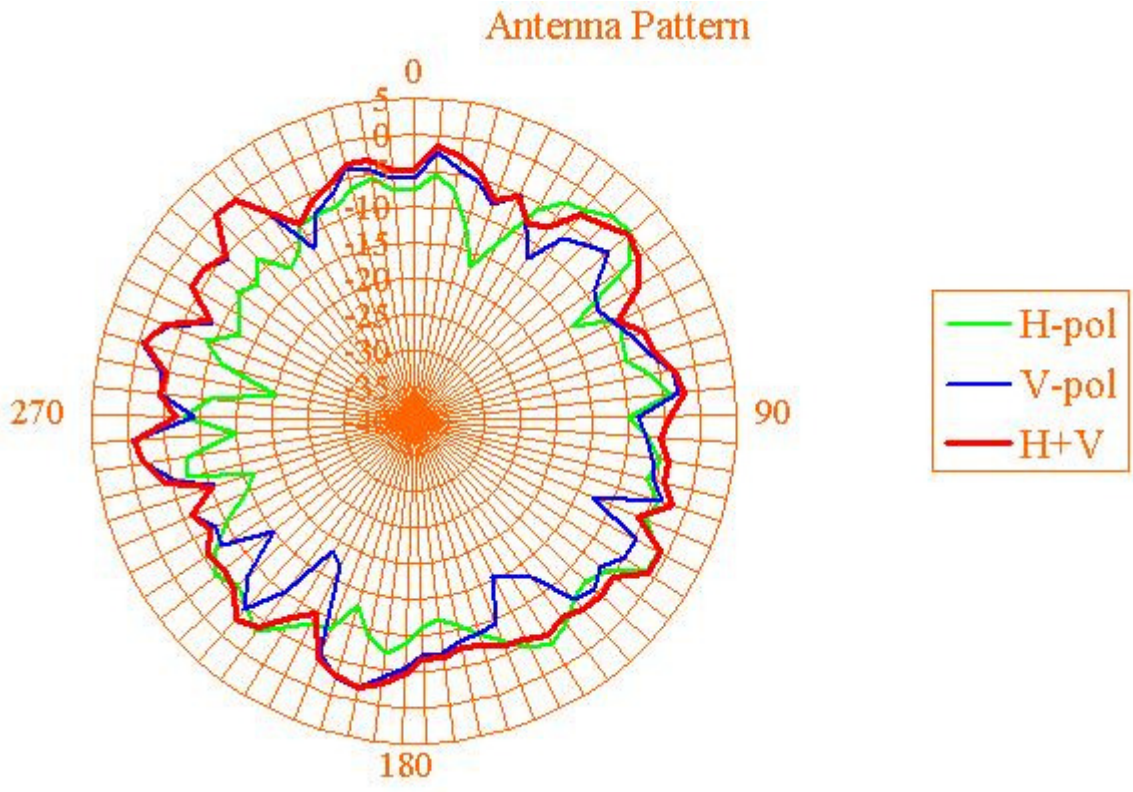


	H-Pol	V-Pol	H+V
Average Gain	-9.03	-6.63	-4.66
Peak Gain	-2.65	-1.34	-0.69

m. 5.875GHz

SpeedTech
www.speedtech.com.tw

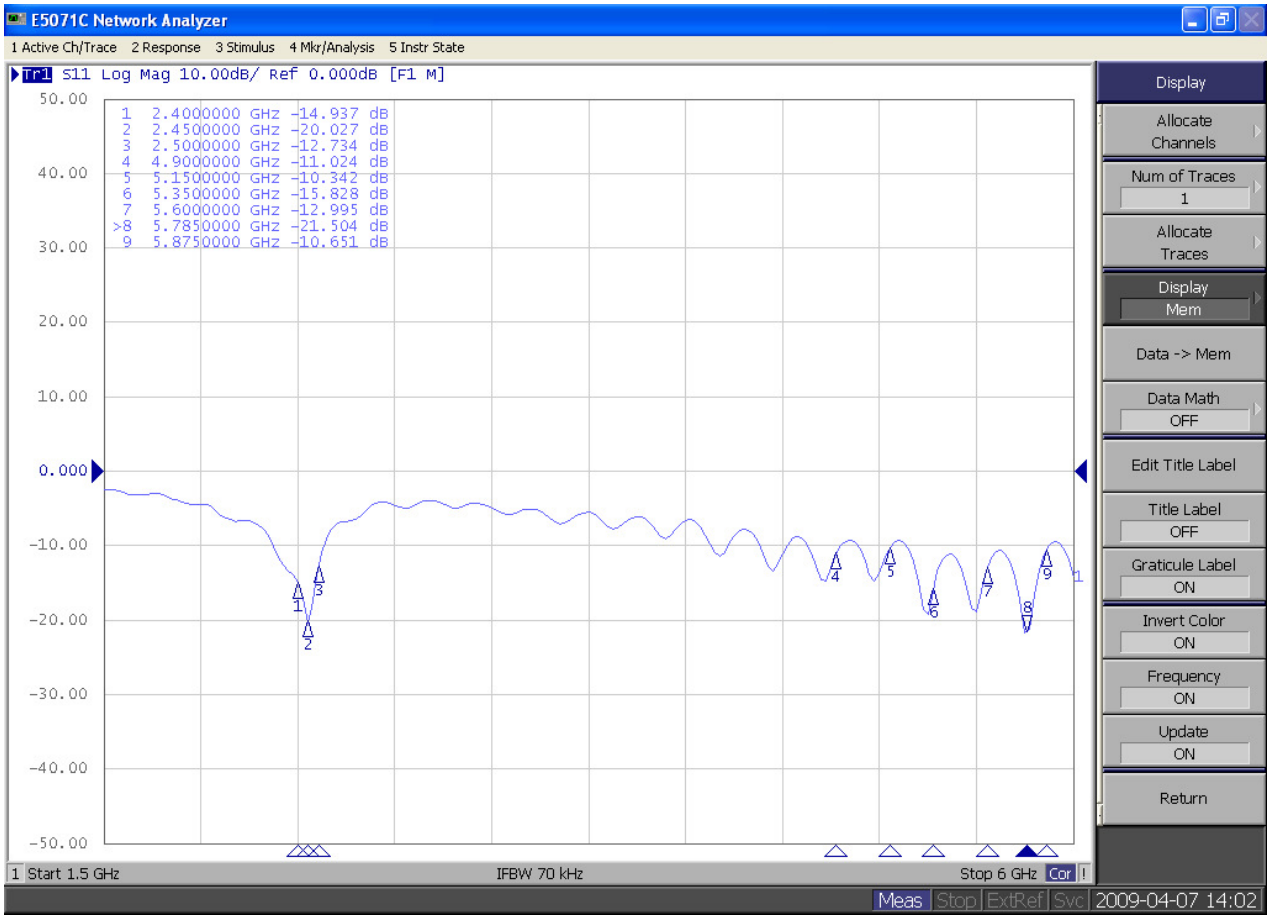
No.568, Sec. 1, Min-Sheng N.Road. Kwei-Shan Hsiang, Taoyuan Hsien, Taiwan



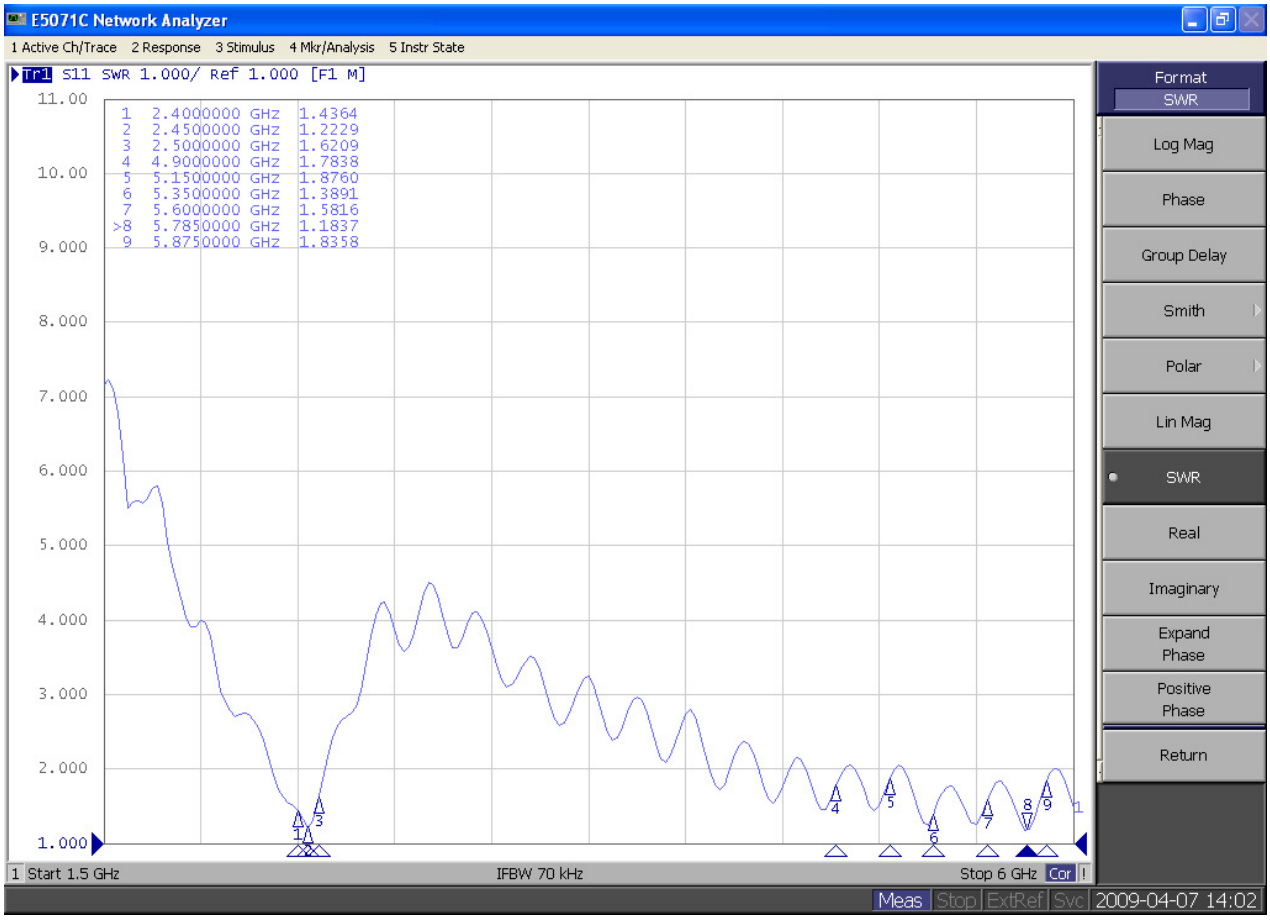
	H-Pol	V-Pol	H+V
Average Gain	-9.13	-6.61	-4.68
Peak Gain	-2.64	-1.12	-0.70

4.WLAN Ant./ (AUX) - 22G600530-40

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



2.4~2.5GHZ &5.15~5.875GHZ/VSWR

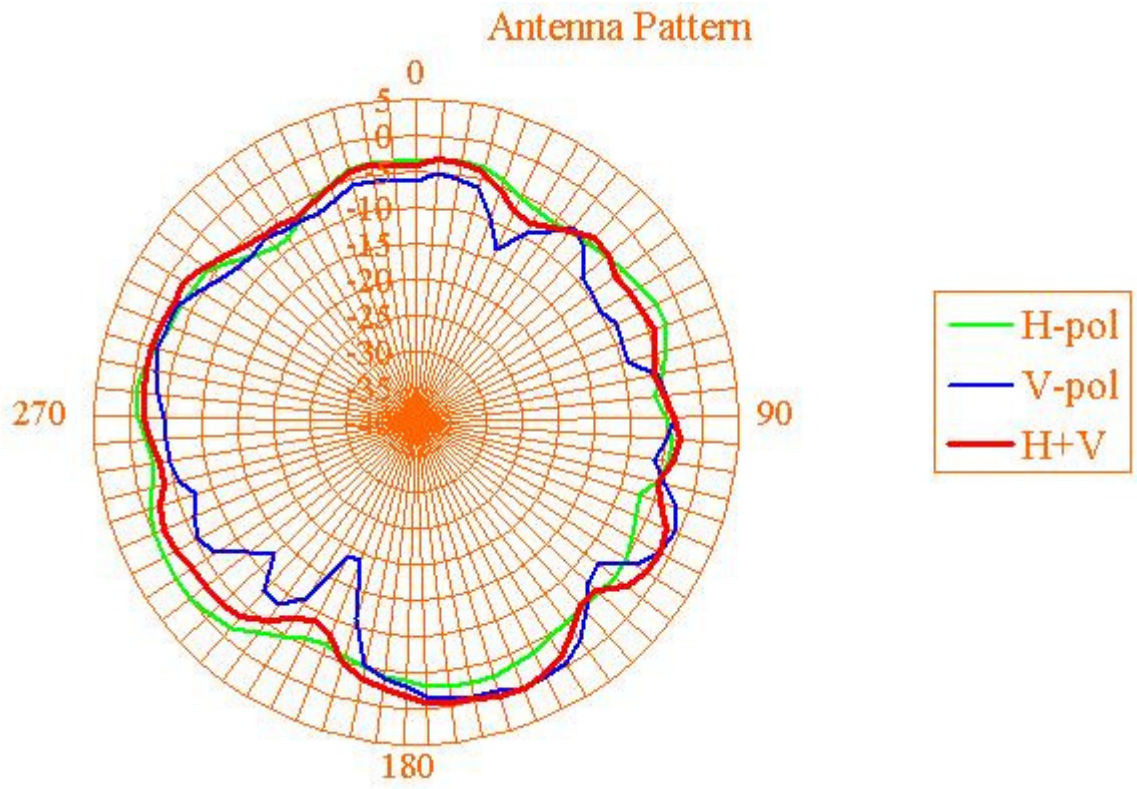


n. 5.Gain & Pattern –AUX - 22G600530-40

o. 2.4GHz

SpeedTech
www.speedtech.com.tw

No.568, Sec. 1, Min-Sheng N.Road. Kwei-Shan Hsiang, Taoyuan Hsien, Taiwan

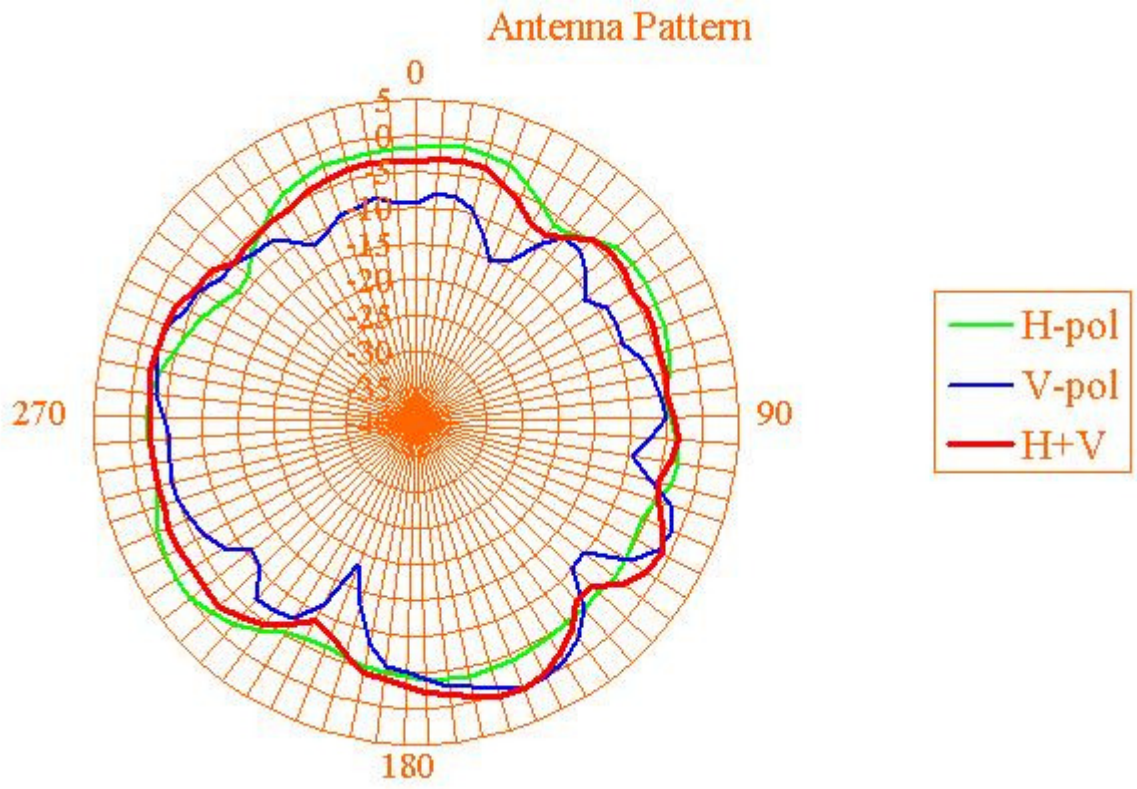


	H-Pol	V-Pol	H+V
Average Gain	-7.14	-6.53	-3.81
Peak Gain	-3.54	-1.62	-0.40

p. 2.45GHz

SpeedTech
www.speedtech.com.tw

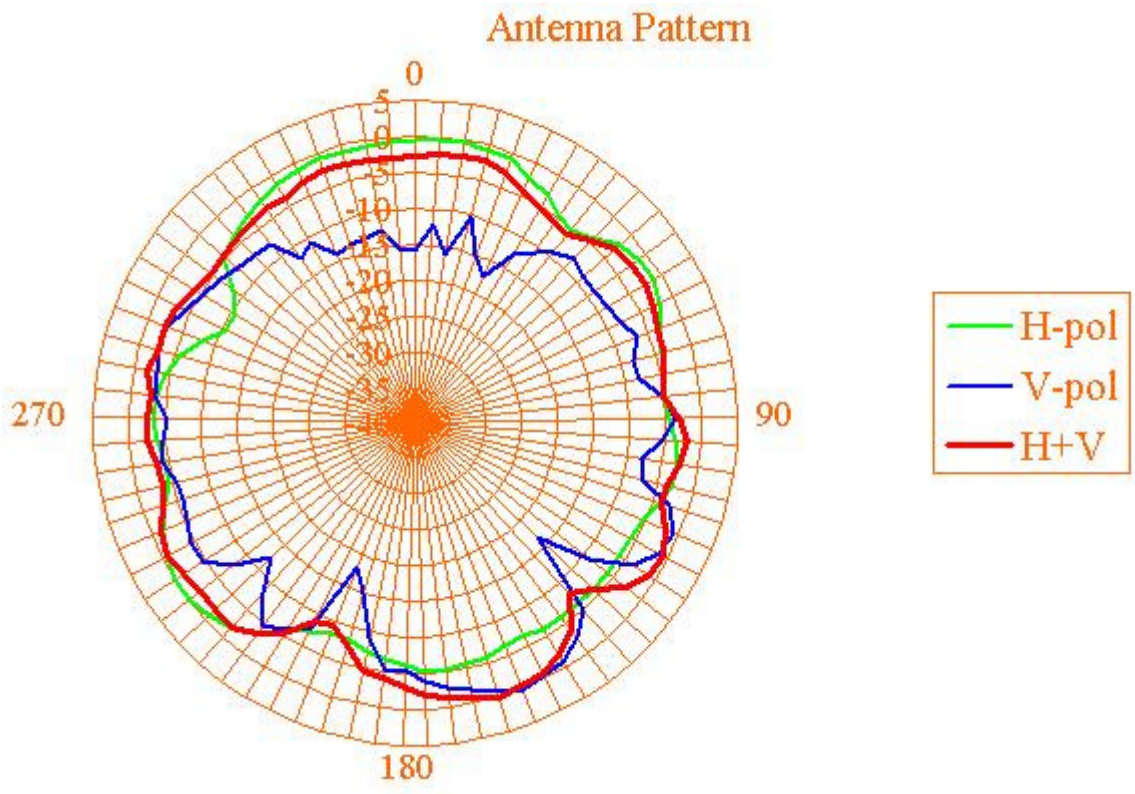
No.568, Sec. 1, Min-Sheng N.Road. Kwei-Shan Hsiang, Taoyuan Hsien, Taiwan



	H-Pol	V-Pol	H+V
Average Gain	-6.66	-6.68	-3.66
Peak Gain	-3.11	-1.08	-0.09

q. 2.5GHz

SpeedTech
www.speedtech.com.tw
No.568, Sec. 1, Min-Sheng N.Road. Kwei-Shan Hsiang, Taoyuan Hsien, Taiwan

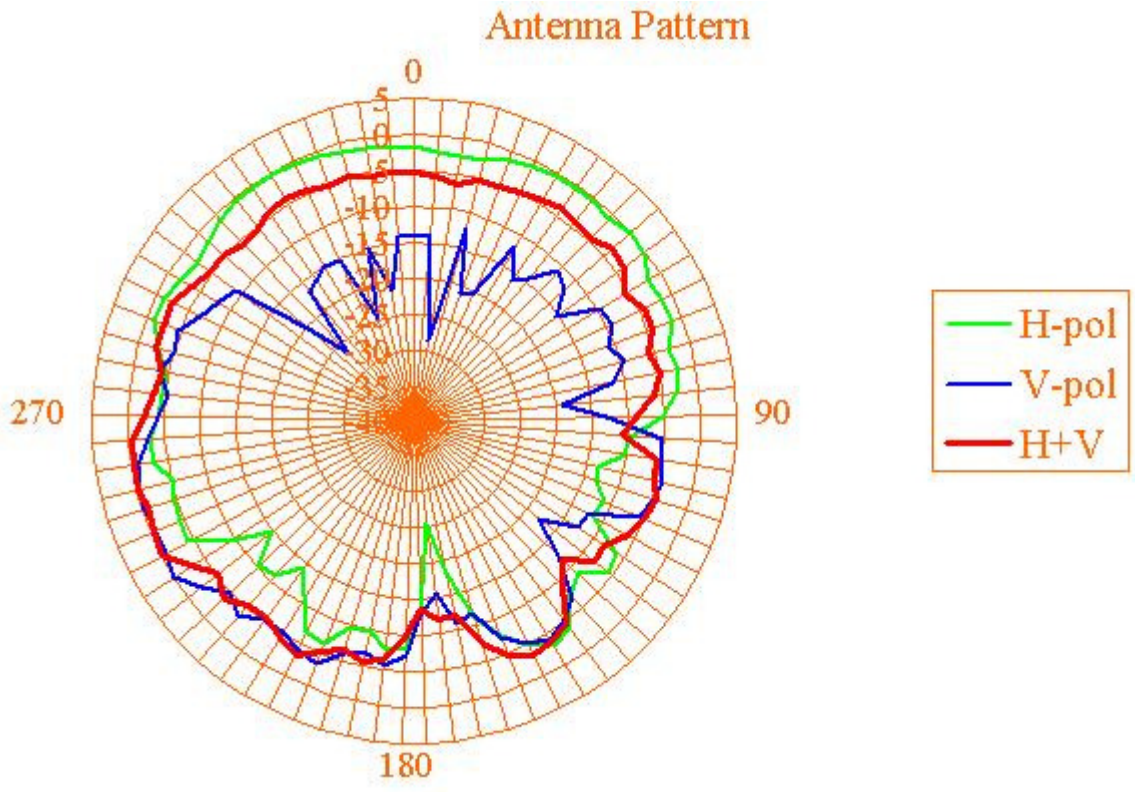


	H-Pol	V-Pol	H+V
Average Gain	-6.45	-7.07	-3.74
Peak Gain	-2.97	-1.46	-0.75

r. 4.9GHz

SpeedTech
www.speedtech.com.tw

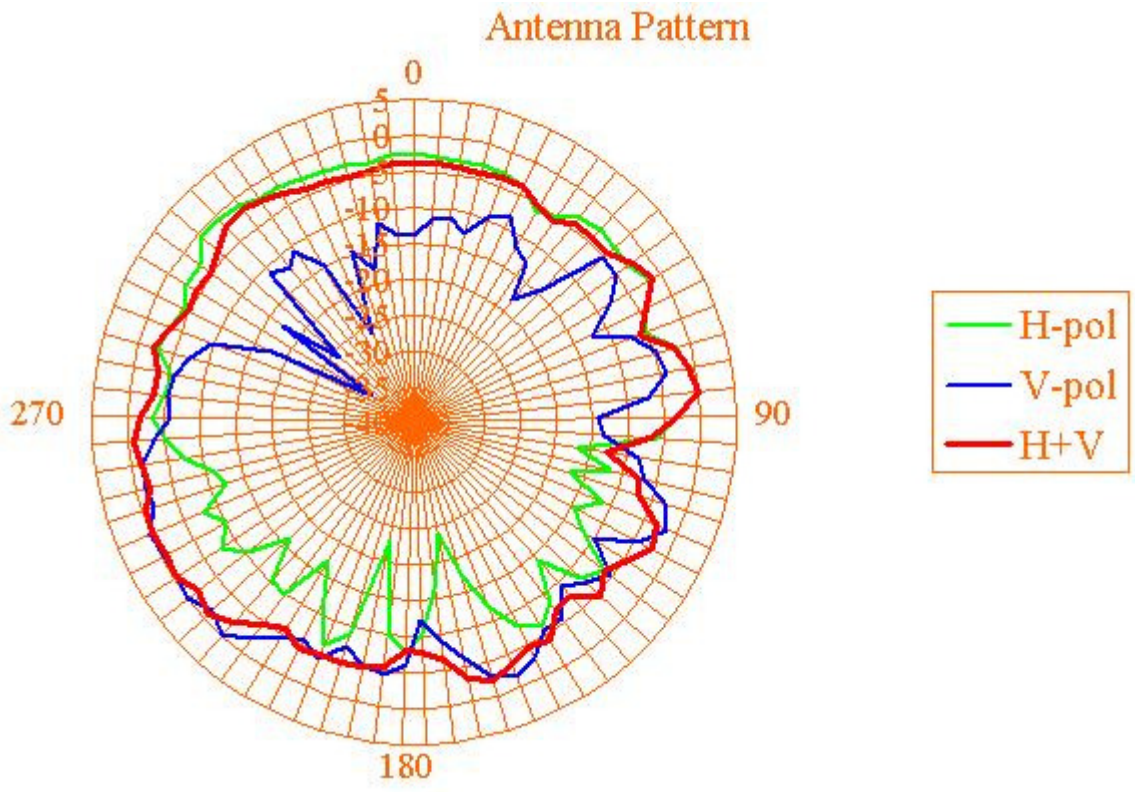
No.568, Sec. 1, Min-Sheng N.Road. Kwei-Shan Hsiang, Taoyuan Hsien, Taiwan



	H-Pol	V-Pol	H+V
Average Gain	-8.00	-7.51	-4.74
Peak Gain	-4.38	-1.06	-0.34

s. 5.15GHz

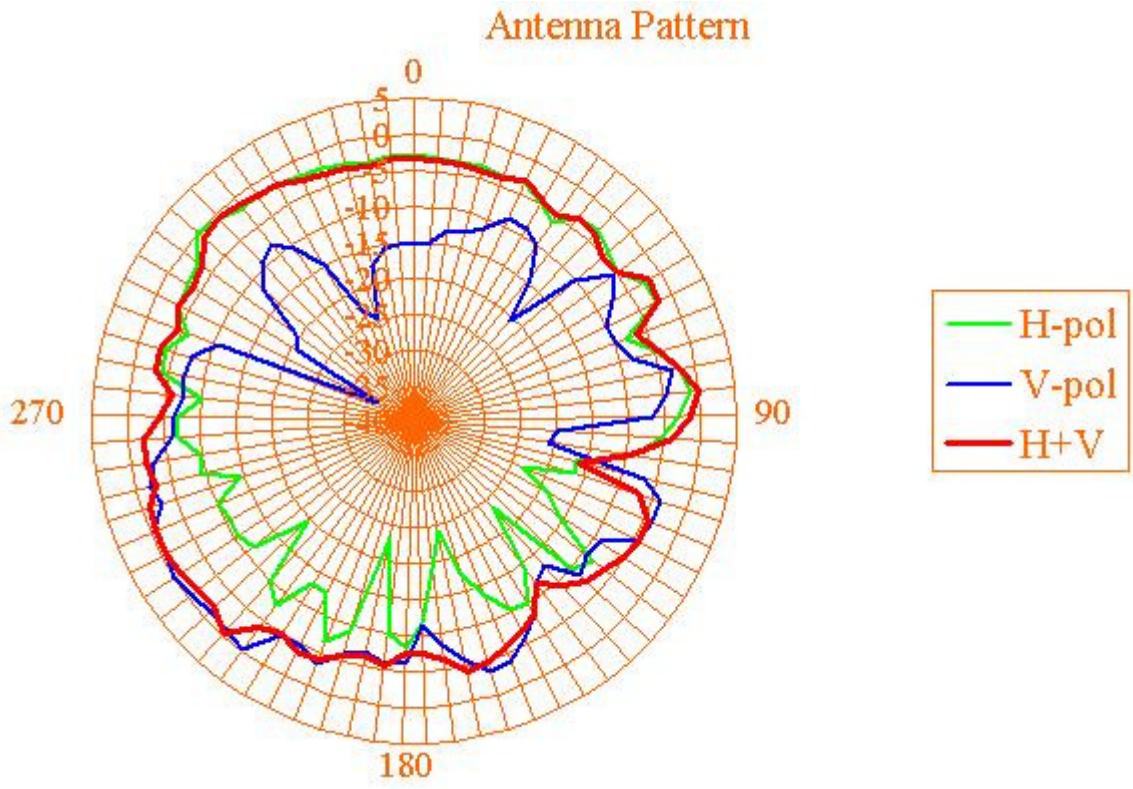
SpeedTech
www.speedtech.com.tw
No.568, Sec. 1, Min-Sheng N.Road. Kwei-Shan Hsiang, Taoyuan Hsien, Taiwan



	H-Pol	V-Pol	H+V
Average Gain	-7.87	-7.25	-4.53
Peak Gain	-2.88	-1.72	-1.11

t. 5.25GHz

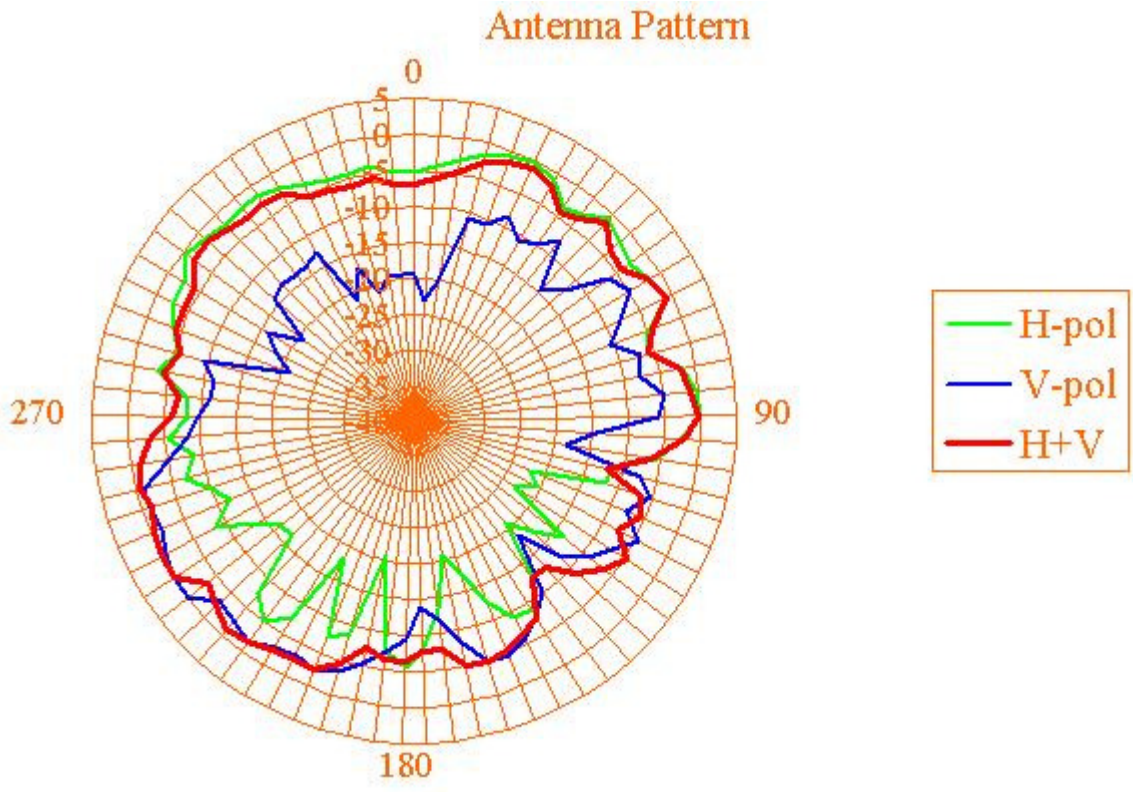
SpeedTech
www.speedtech.com.tw
No.568, Sec. 1, Min-Sheng N.Road. Kwei-Shan Hsiang, Taoyuan Hsien, Taiwan



	H-Pol	V-Pol	H+V
Average Gain	-6.59	-7.12	-3.84
Peak Gain	-1.12	-1.05	-0.25

u. 5.35GHz

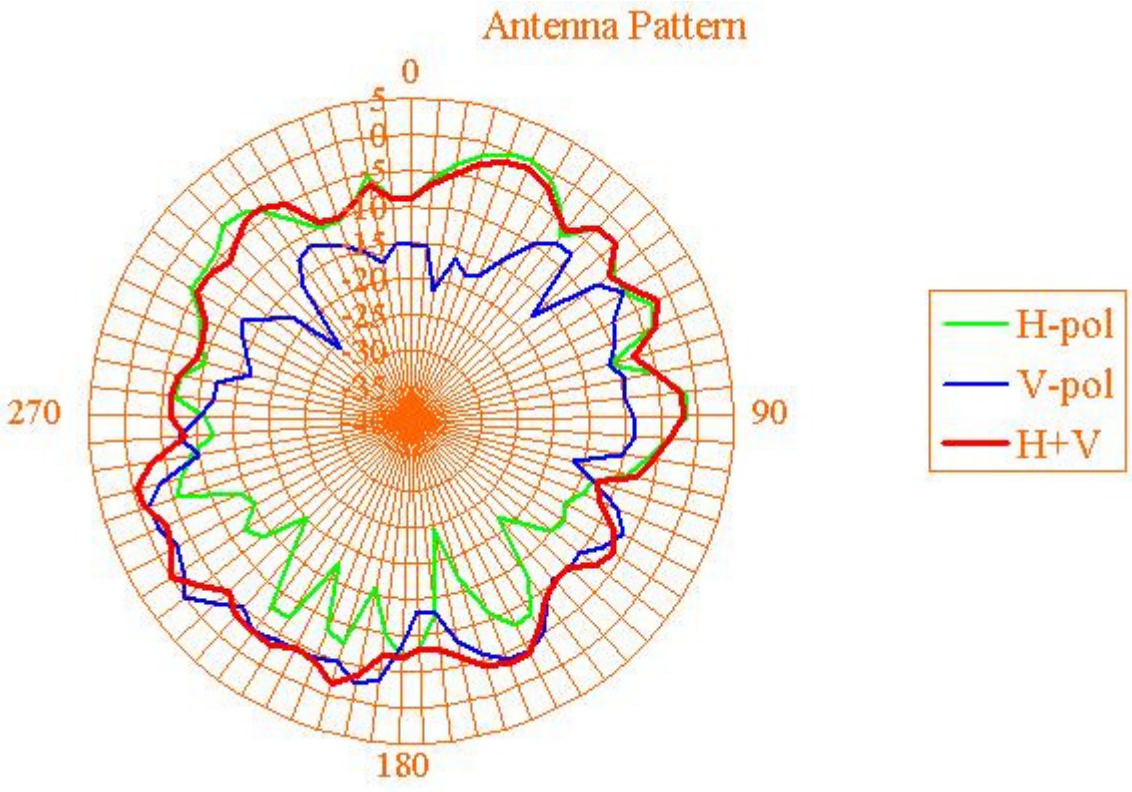
SpeedTech
www.speedtech.com.tw
No.568, Sec. 1, Min-Sheng N.Road. Kwei-Shan Hsiang, Taoyuan Hsien, Taiwan



	H-Pol	V-Pol	H+V
Average Gain	-7.29	-7.64	-4.45
Peak Gain	-2.68	-1.13	-0.88

v. 5.47GHz

No.568, Sec. 1, Min-Sheng N.Road. Kwei-Shan Hsiang, Taoyuan Hsien, Taiwan

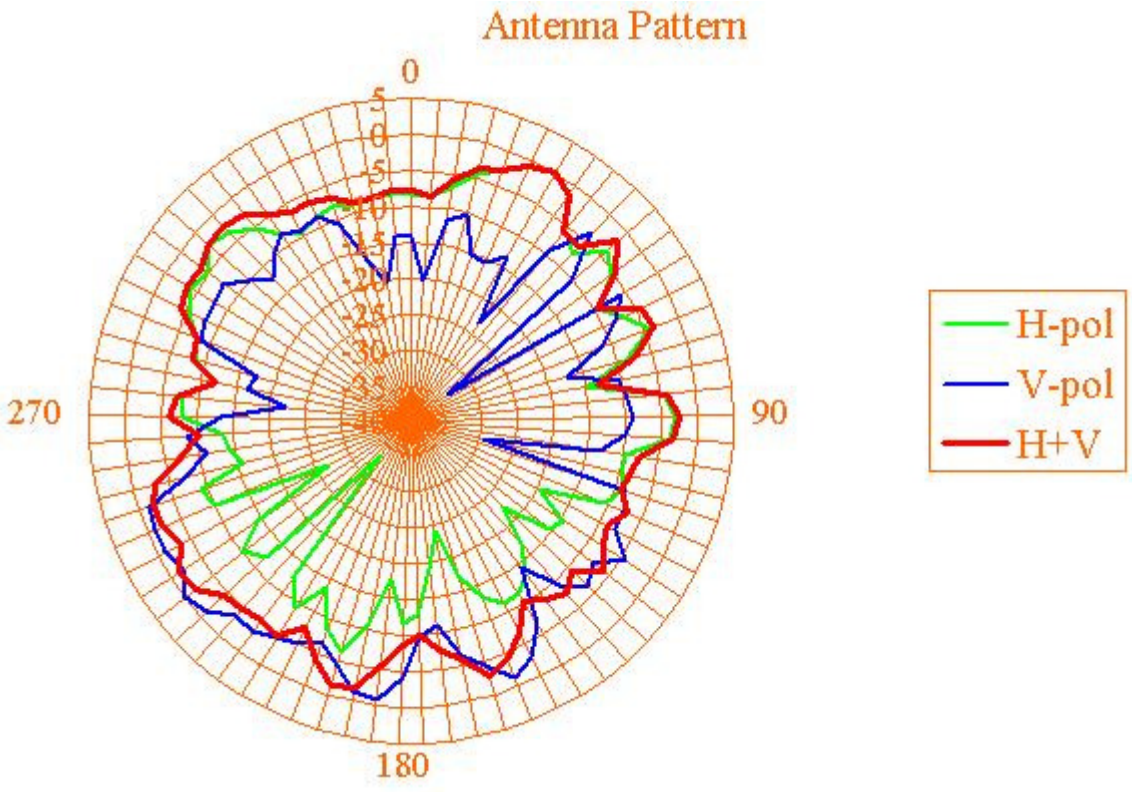


	H-Pol	V-Pol	H+V
Average Gain	-7.79	-7.75	-4.76
Peak Gain	-1.56	-0.41	-0.22

w.5.6GHz

SpeedTech
www.speedtech.com.tw

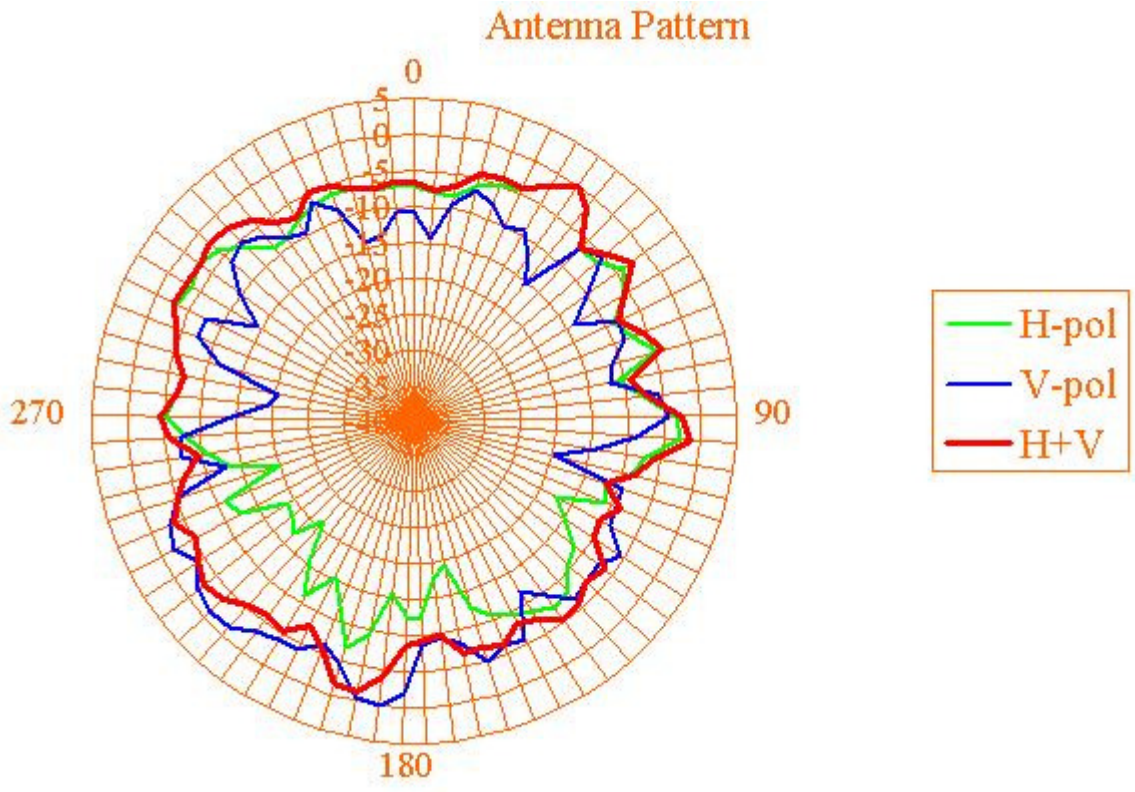
No.568, Sec. 1, Min-Sheng N.Road. Kwei-Shan Hsiang, Taoyuan Hsien, Taiwan



	H-Pol	V-Pol	H+V
Average Gain	-7.41	-8.03	-4.70
Peak Gain	-0.08	-1.58	0.10

x. 5.725GHz

No.568, Sec. 1, Min-Sheng N.Road. Kwei-Shan Hsiang, Taoyuan Hsien, Taiwan

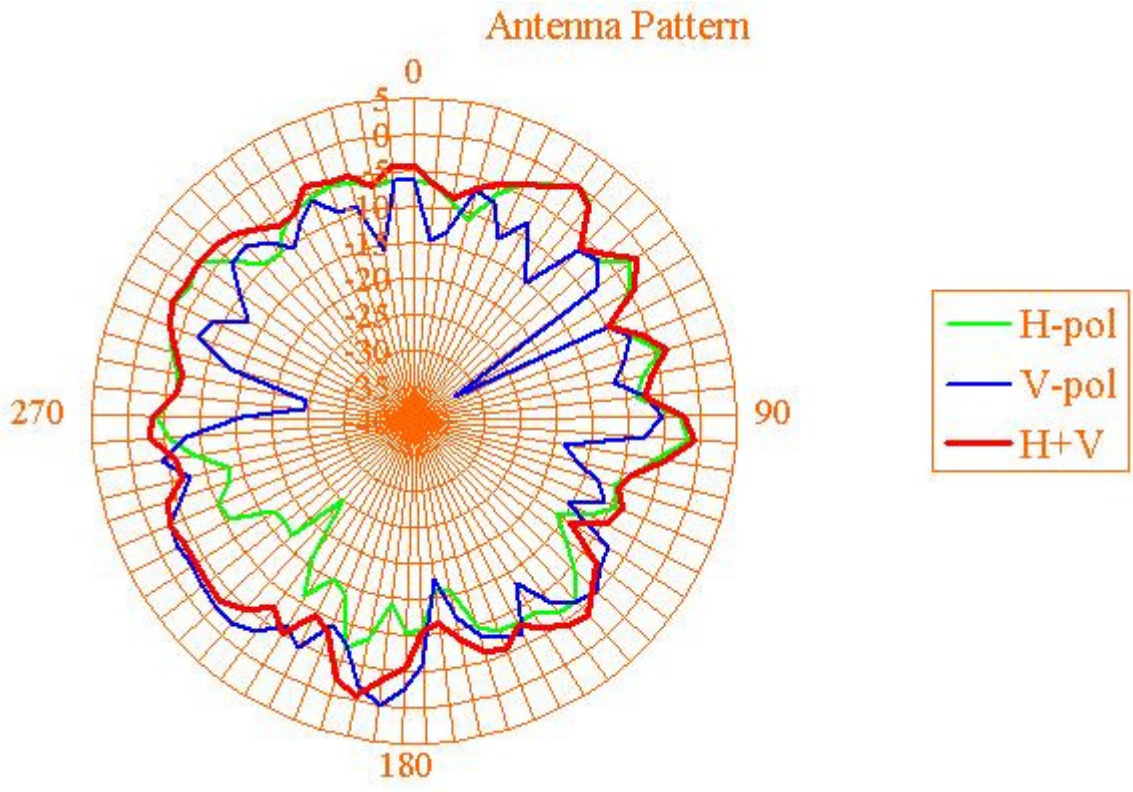


	H-Pol	V-Pol	H+V
Average Gain	-6.99	-8.44	-4.64
Peak Gain	-0.01	-1.96	0.31

y. 5.785GHz

SpeedTech
www.speedtech.com.tw

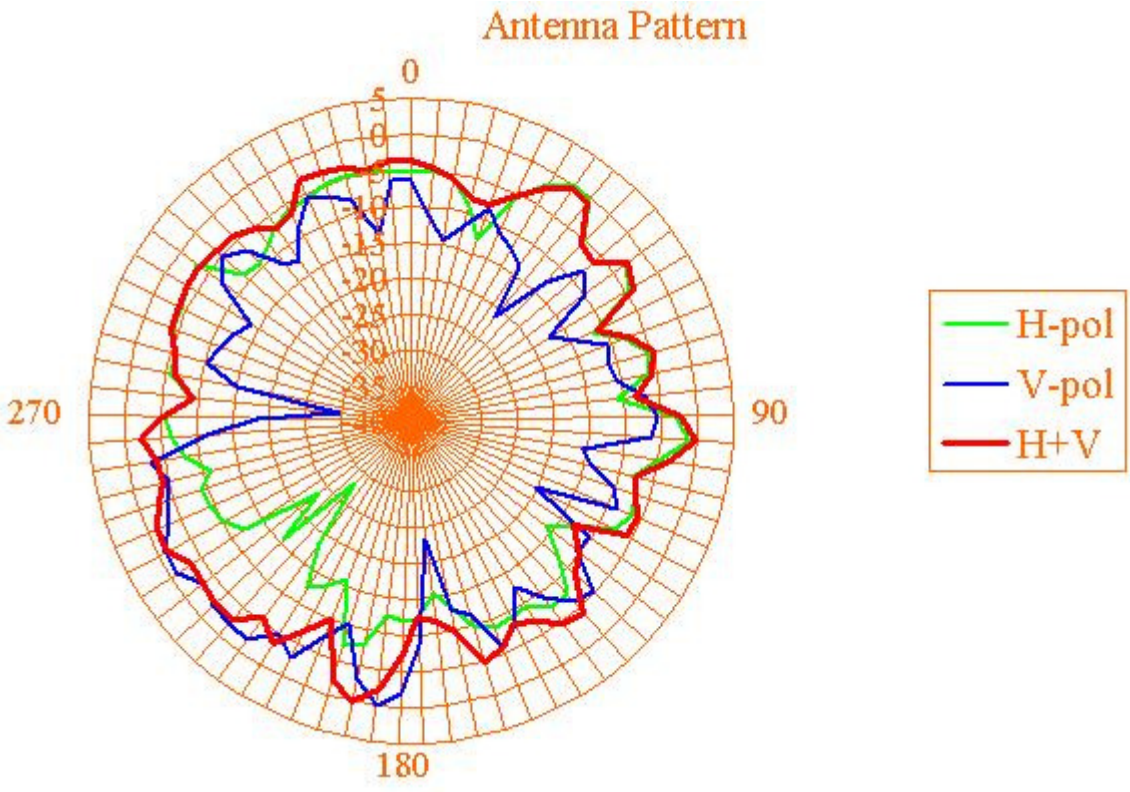
No.568, Sec. 1, Min-Sheng N.Road. Kwei-Shan Hsiang, Taoyuan Hsien, Taiwan



	H-Pol	V-Pol	H+V
Average Gain	-7.14	-8.42	-4.72
Peak Gain	-0.60	-1.48	-0.08

z. 5.85GHz

No.568, Sec. 1, Min-Sheng N.Road. Kwei-Shan Hsiang, Taoyuan Hsien, Taiwan

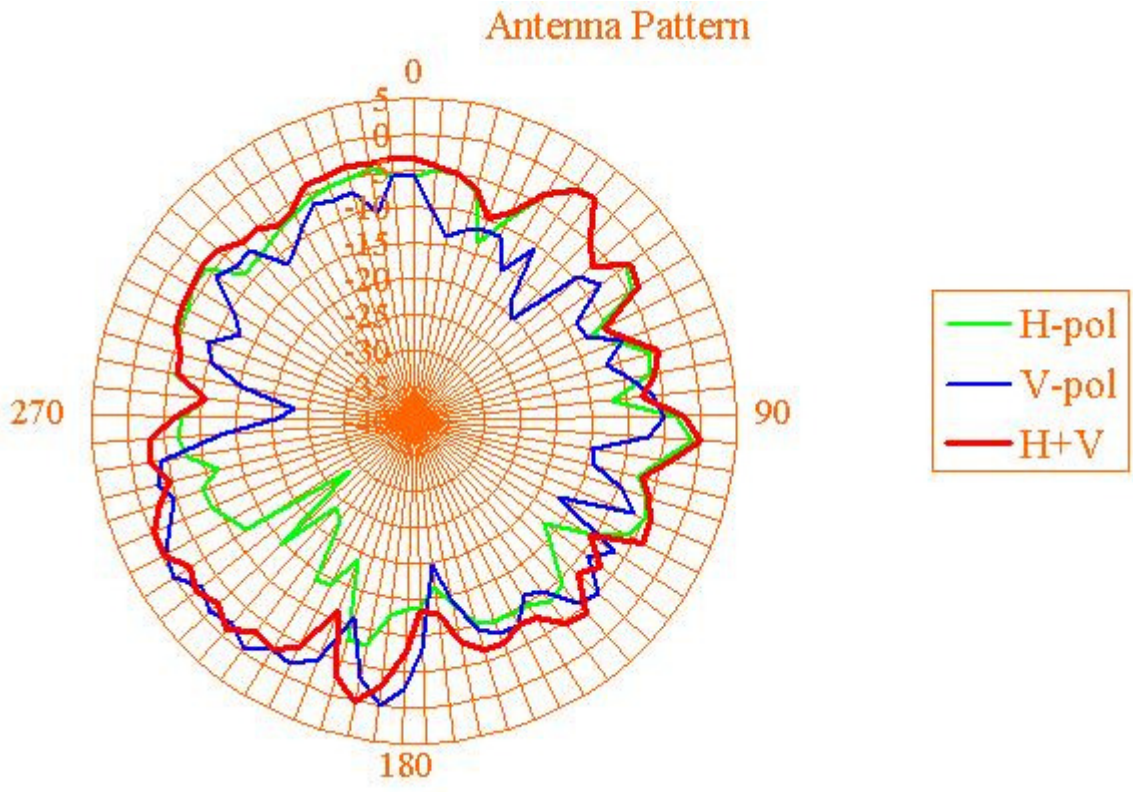


	H-Pol	V-Pol	H+V
Average Gain	-7.29	-7.75	-4.50
Peak Gain	-0.65	-0.76	-0.09

aa.5.875GHz

SpeedTech
www.speedtech.com.tw

No.568, Sec. 1, Min-Sheng N.Road. Kwei-Shan Hsiang, Taoyuan Hsien, Taiwan



	H-Pol	V-Pol	H+V
Average Gain	-7.72	-7.70	-4.70
Peak Gain	-0.82	-1.27	-0.49