

承認書

APPROVAL SHEET

客戶名稱： 精英電腦股份有限公司
CUSTOMER
品 名： ANTENNA SET.LCD...600.VSO
DRAWING NAME
鴻呈料號： 912P09-I2B0A01-00
VSO PART NO.
客戶料號： 13-130-F53021
CUSTOMER PART NO.

APPROVAL BY

業務部門

SALES DIV.:

品管部門

QC DIV.:

工程部門

TECHNIQUE DIV.:

採購部門

PARCHASE DIV.:



吳淑美

洪麗雯

CUSTOMER APPROVEAL

業務部門

SALES DIV.:

品管部門

QC DIV.:

工程部門

TECHNIQUE DIV.:

採購部門

PARCHASE DIV.:

鴻呈實業股份有限公司

台北縣中和市員山路 581 巷 31 弄 1-8 號 4 樓 TEL: (02)3234-3038 FAX: (02)3234-3056
4F., NO.1-8 ALLEY 31, LANE 581, YUEN-SHAN RD., CHUNG-HO CITY, TAIPEI HSIEN,
TAIWAN R.O.C.

2.4GHz ~5.85GHz Dual Band PIFA antenna.

FOR NB WLAN802.11a+b+g : Antenna Assembly

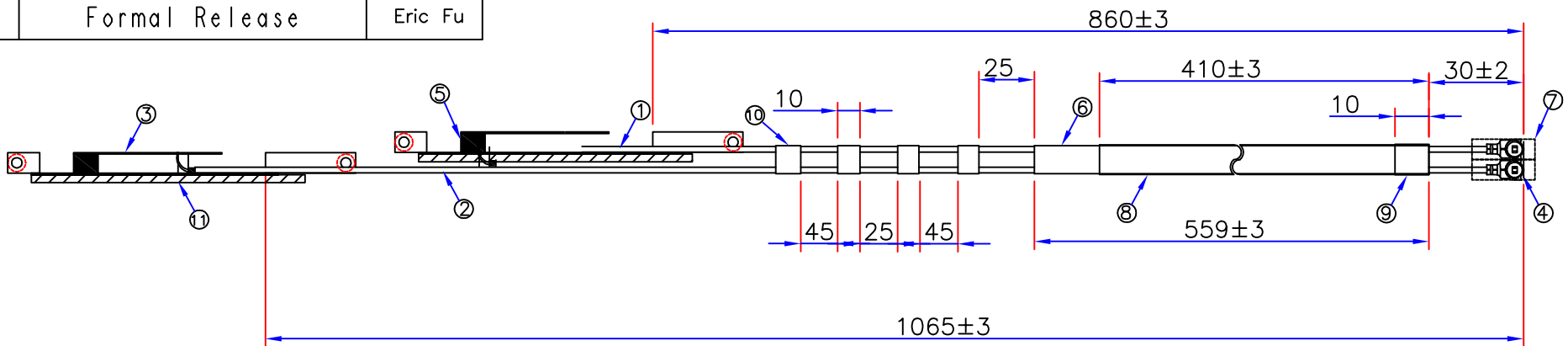
Specification

- 1.1 Frequency Rang.....2.4Ghz~5.85Ghz
- 1.2 Impedance50 Ω Nominal
- 1.3 VSWR.....VSWR $\leq$ 2
- 1.4 Return loss..... RL $\leq$ -10dB
- 1.5 Gain..... 0dbi

Physical Properties

- 2.1 Cable..... ϕ 1.13 50 Ω
- 2.2 Operating Temp..... -20 $^{\circ}$ ~+65 $^{\circ}$
- 2.3 Pifa body.....Pifa body NI-PLATED.
- 2.4 Color..... Black**
- 2.5 Color..... Gray**

HISTORY		
REV.	DESCRIPTION	BY
	ORIGINAL DRAWING	Eric Fu
	Formal Release	Eric Fu



NOTE: 用網絡分析義測試
未標示尺寸公差均為±2

⑪	導電泡棉	L55*W5.5*H3.0mm	2PCS
⑩	醋酸膠布	L5*W10*0.1mm	4PCS
⑨	熱縮套管	φ4.0*10mm,V4?, color: ??? VSO;??? HIGH-TEK	1PCS
⑧	熱縮套管	φ2.5*430mm,BLACK,V4薄	1PCS
⑦	TUBE	透明套管:φ3.1*20mm	2PCS
⑥	導電膠布	L550*W10*T0.1mm	1PCS
⑤	支撐膠	EVA支撐膠, BLACK	2PCS
④	CONN	I-PEX TERM GOLD-PLATED	2PCS
③	PIFA BODY	METAL CAN NICKET PLATED	2PCS
②	RF CABLE	CABLE:φ1.13 COAXIAL CABLE,COLOR:BLACK	1PCS
①	RF CABLE	CABLE:φ1.13 COAXIAL CABLE,COLOR:GARY	1PCS
ITEM	DESCRIPTION		Q'TY

2	13-130-F53011	*	ANTENNA SET.LCD...600.HIGH-TEK	
1	13-130-F53021	*	ANTENNA SET.LCD...600.VSO.	
ITEM	PART NO.	CUSTOMER NO.	DESCRIPTION	REMARK

ECS CORPORATION

MODEL		600		
NAME		ANTENNA SET.LCD...600		
MATERIAL		*	UNIT	mm
FINISH		*	SCALE	1:1
THE 3RD PROJECEION		DO'NT SCALE DRAWING		APPROVAL: Jason Chen
DWG. NO.		DATE		PROJECT LEADER: C.H.Lin
G600-3-4-05		02-MAR-05		CHECK: Rich Lee
				DRAWN: Eric Fu
				REVISION 1.0
				SHEET 1/1

Stage
MP

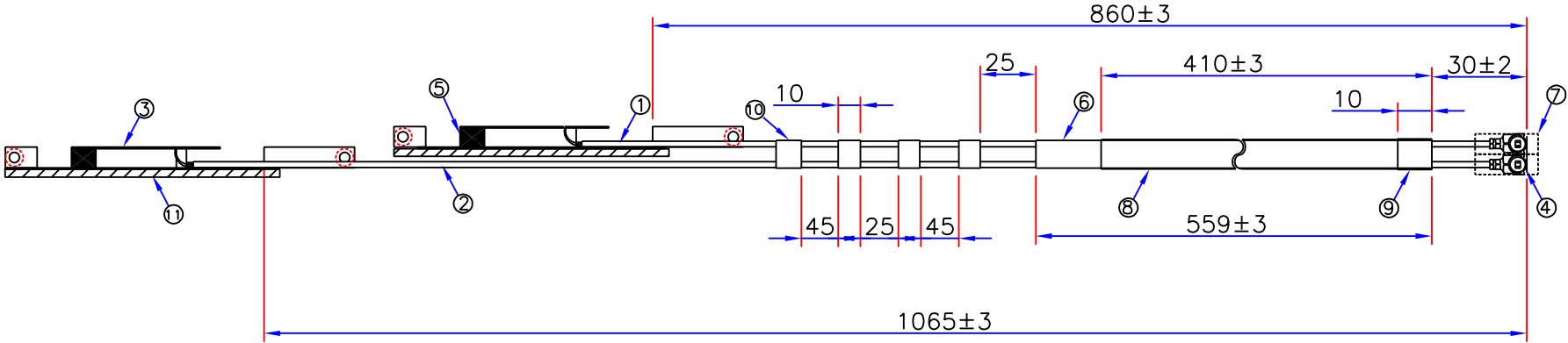
TOLERANCE TABLE	
ANGLE	±1/4°
DIM.	TOL. ±
0-10	0.05
10-50	0.10
50-100	0.15
100↗	0.20

DRAW ID
CD

THIS DRAWING IS CONTROLLED DOCUMENT
FOR VSO LTD IT IS SUBJECT TO CHANGE
AND THE CONTROLLING ENGINEERING ORGANIZATION
SHOULD BE CONTACTED FOR THE LATEST REVISION

THIS INFORMATION IS CONFIDENTIAL AND IS DISCLOSED TO
YOU ON CONDITION THAT NO FURTHER DISCLOSURE IS MADE
BY YOU TO OTHER THAN VSO LTD PERSONNEL WITHOUT WRITTEN
AUTHORIZATION FROM VSO LTD

REVISION			
REV.	DESCRIPTION	APPROVAL	DATE
C	增加醋酸布一段以及變更導電泡棉所貼位置		05.03.03



D

C

B

A

NOTE: 用網絡分析義測試
未標示尺寸公差均為±2

⑪	導電泡棉	L55*W5.5*H3.0mm	2PCS
⑩	醋酸膠布	L5*W10*0.1mm	4PCS
⑨	熱縮套管	ø4.0*10mm RED V4薄	1PCS
⑧	熱縮套管	ø2.5*410mm,BLACK,V4薄	1PCS
⑦	TUBE	透明套管:ø3.1*20mm	2PCS
⑥	導電膠布	L559*W10*T0.1mm	1PCS
⑤	支撐膠	EVA支撐膠, BLACK	2PCS
④	CONN	I-PEX TERM GOLD-PLATED	2PCS
③	PIFA BODY	METAL CAN NICKET PLATED	2PCS
②	RF CABLE	CABLE:ø1.13 COAXIAL CABLE,COLOR:BLACK	1PCS
①	RF CABLE	CABLE:ø1.13 COAXIAL CABLE,COLOR:GARY	1PCS
ITEM	DESCRIPTION		Q'TY

4

3

2

1

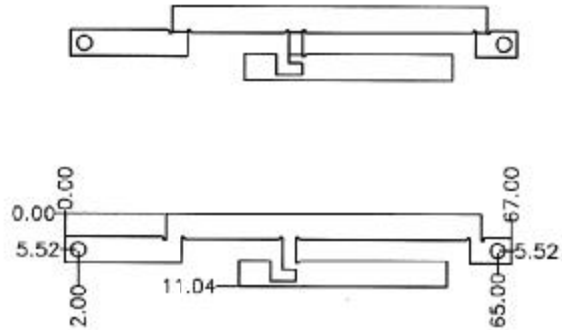
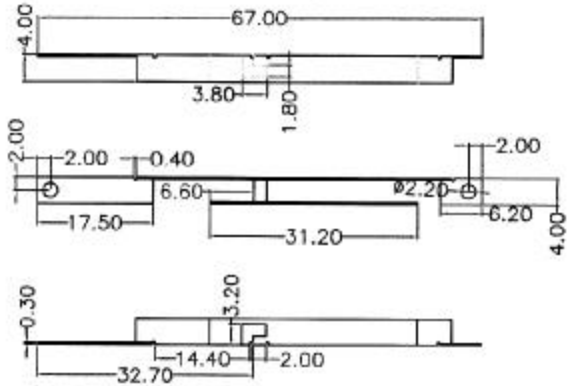
V^{SO} ELECTRIC CO.,LTD.			
CUST. P/N:		DRAW.:	
13-130-F53021		ENGIN:	
TITLE:		CHECK:	
PIFA ANTENNA		APPR.:	
UNITS	DWG. NO.:	REV.	
mm	912P09-I2B0A01-00	C	

DRAW ID
CD

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AUTHORIZATION FROM VSO LTD

NOTE:
PIFA BODY: 馬口鐵, NI-PLATED.



XX.	±0.5	V ^{SO} ELECTRIC CO.,LTD.		DRAW.: <i>Sumet</i>	
X.	±0.3				
.X	±0.1	CUST. P/N:		ENGIN: <i>Sumet</i>	
.XX	±0.05	TITLE: PIFA BODY		CHECK: <i>Sumet</i>	
		UNITS	DWG. NO.:	REV.	APPR.: <i>林長青</i>
		mm	200-00001-076	V2.0	

REVISION			
REV.	DESCRIPTION	APPROVAL	DATE

D

C

B

A

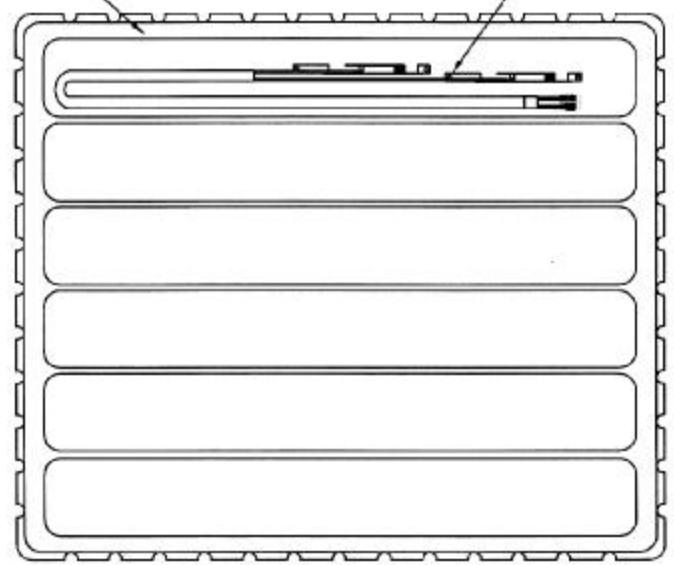
DRAW ID
CD

THIS DRAWING IS CONTROLLED DOCUMENT FOR VSO LTD IT IS SUBJECT TO CHANGE AND THE CONTROLLING ENGINEERING ORGANIZATION SHOULD BE CONTACTED FOR THE LATEST REVISION

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5PCS一格

5PCS一把



吸塑盤底盤



吸塑盤上蓋

- NOTE:
- 1.吸塑盤規格:L540*W310*H25mm,紙箱規格:L550*W320*H220mm
 - 2.5PCS用橡皮筋捆成一把,一格5PCS成品
 - 3.一個吸塑盤分六格,可放30PCS成品,一箱放八個吸塑盤可裝240PCS成品

REVISION			
REV.	DESCRIPTION	APPROVAL	DATE

VSO ELECTRIC CO.,LTD.			
CUST. PIN:		DRAW: <i>Sumo</i>	
TITLE: 包裝圖		ENGIN: <i>江江</i>	
UNITS mm	DWG. NO.: 912P09-I28BCA01-00	REV. A	CHECK: <i>林長青</i>
		APPR: <i>林長青</i>	

首件檢驗報告表

Page 1

○：中間值(公差±50%內)
△：偏上限(公差±51%-100%內)X：規格外
▽：偏下限(公差-49%-0%內)

機型：13-130-F53021		廠商：鴻呈電子廠		圖版日期：2005.01.12										
件名：PIFA ANTENNA		件號：912P09-128B0A01-00		材 料：										
區 分	第 套模具	☐ 新開發件		☐ 工程變更件										
	☐ 塑膠零件	☐ 沖壓零件		☐ 橡膠零件										
項 次	量 測 儀 器	規 格	工程區分	本工程 暫定工程	送樣日期： 測試結果									
						樣品	本工程 暫定工程	送樣日期： 測試結果						
1	2	3	4	1	2				3	4	1	2	3	4
1	M	Cable長L:1040±3	1041	1040	1042	1039	鴻呈	鴻呈	鴻呈	鴻呈	鴻呈	鴻呈	鴻呈	PASS
2	M	Cable長L:845±3	845	844	846	845	鴻呈	鴻呈	鴻呈	鴻呈	鴻呈	鴻呈	鴻呈	PASS
3	M	PIFA長L:66.9±0.2	66.8	66.9	66.8	66.9	鴻呈	鴻呈	鴻呈	鴻呈	鴻呈	鴻呈	鴻呈	PASS
4	M	導電膠布長L:550±3	550	552	551	552	鴻呈	鴻呈	鴻呈	鴻呈	鴻呈	鴻呈	鴻呈	PASS
5	NA	RL≤-10dB	-19	-18	-19	-20	鴻呈	鴻呈	鴻呈	鴻呈	鴻呈	鴻呈	鴻呈	PASS

C : clipper

M : Micro meter

P : 投影機/工具顯微鏡

G : Gage

CM : 三次元

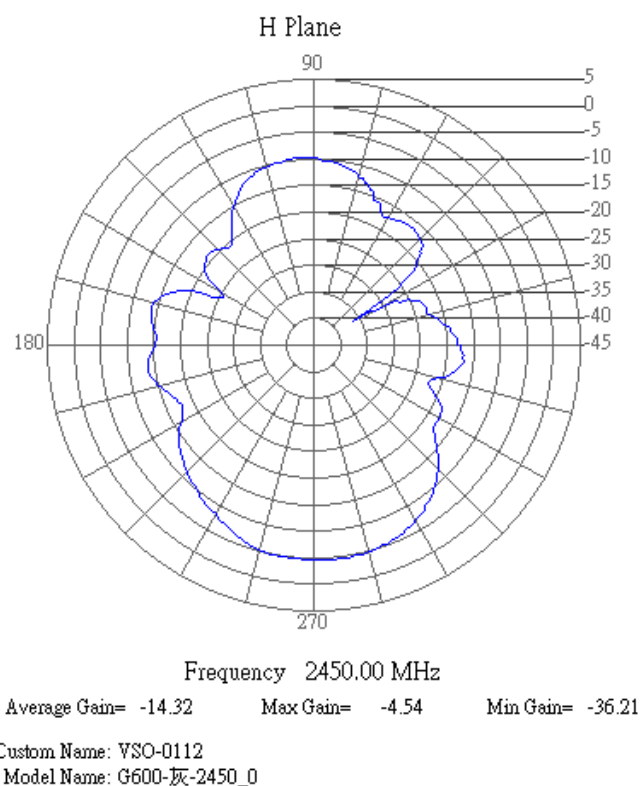
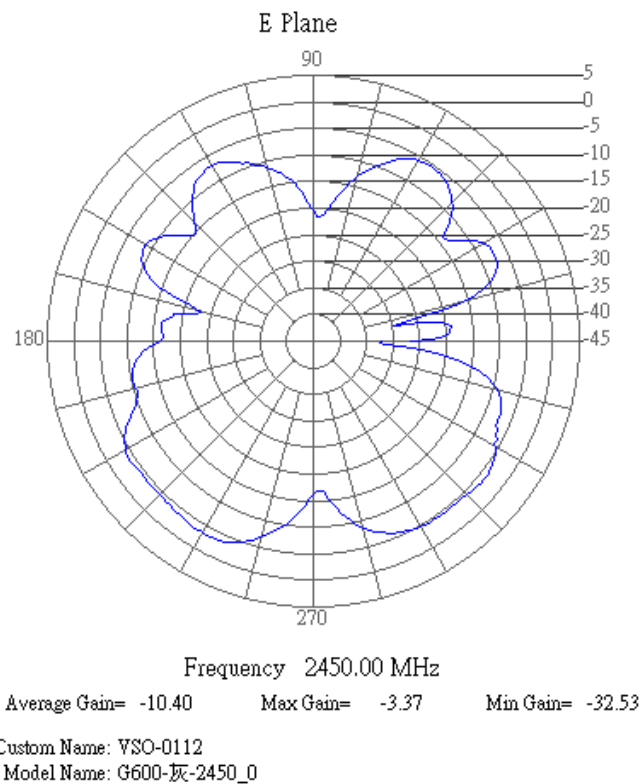
H : 高度規

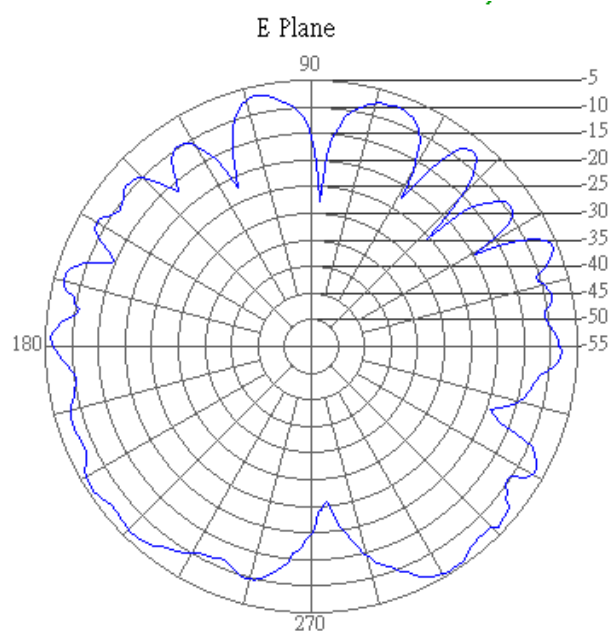
核准: 28/4/05

審核: Selwy/1/05

制表: Sunex/1/05

表單編號



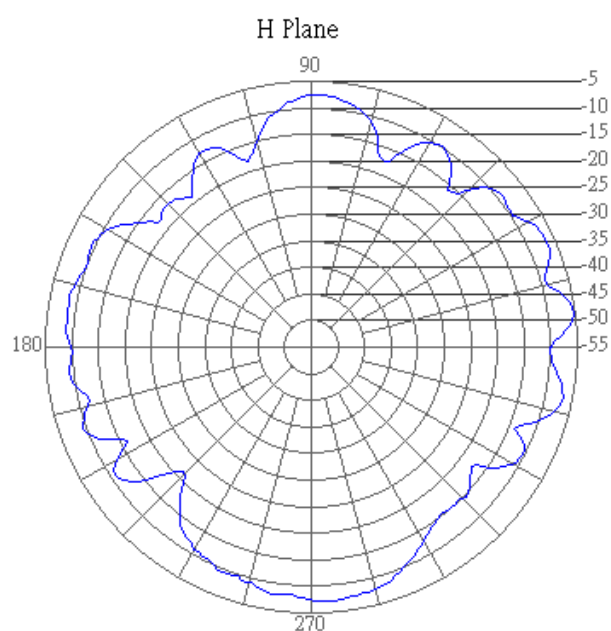


Frequency 5150.00 MHz

Average Gain= -10.64 Max Gain= -5.42 Min Gain= -27.75

Custom Name: VSO-0112

Model Name: G600-灰-5150_0

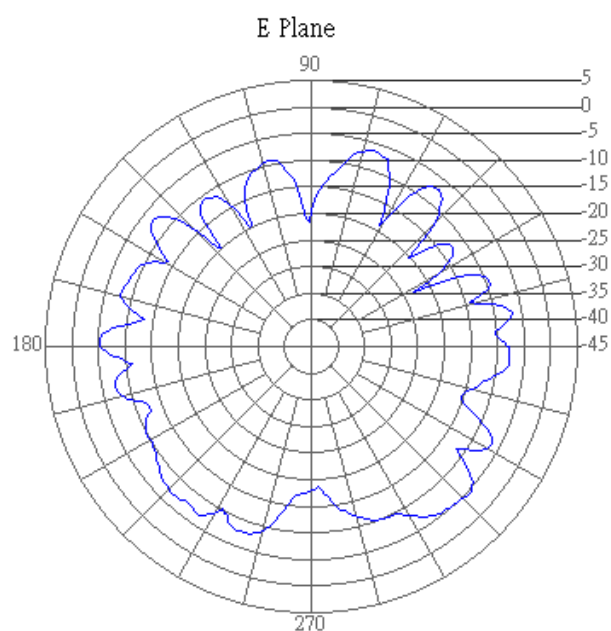


Frequency 5150.00 MHz

Average Gain= -11.36 Max Gain= -5.25 Min Gain= -21.58

Custom Name: VSO-0112

Model Name: G600-灰-5150_0

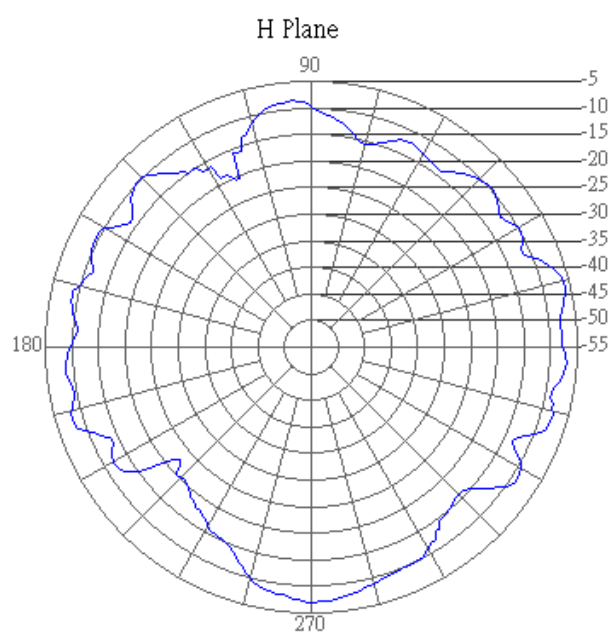


Frequency 5350.00 MHz

Average Gain= -10.65 Max Gain= -4.39 Min Gain= -23.23

Custom Name: VSO-0112

Model Name: G600-灰-5350_0

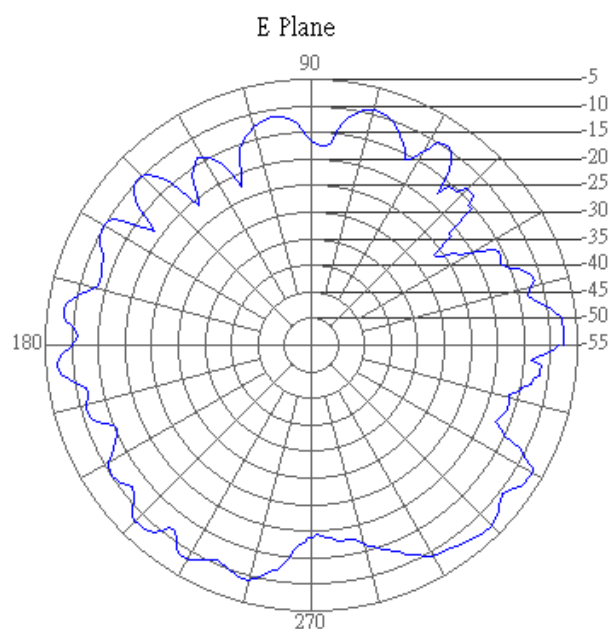


Frequency 5350.00 MHz

Average Gain= -11.51 Max Gain= -5.89 Min Gain= -22.56

Custom Name: VSO-0112

Model Name: G600-灰-5350_0

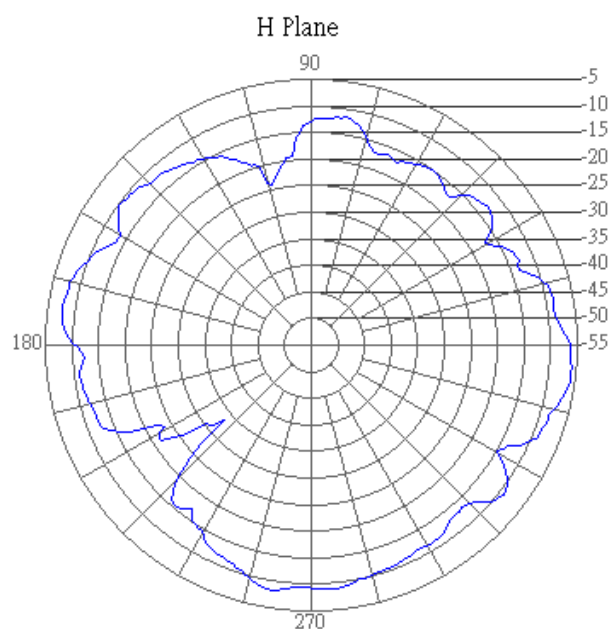


Frequency 5500.00 MHz

Average Gain= -12.60 Max Gain= -7.04 Min Gain= -26.37

Custom Name: VSO-0112

Model Name: G600-灰-5500_0

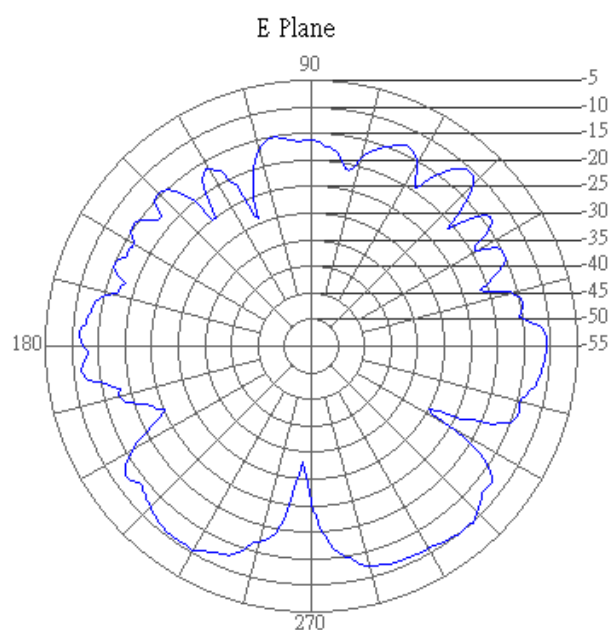


Frequency 5500.00 MHz

Average Gain= -12.93 Max Gain= -5.87 Min Gain= -33.37

Custom Name: VSO-0112

Model Name: G600-灰-5500_0

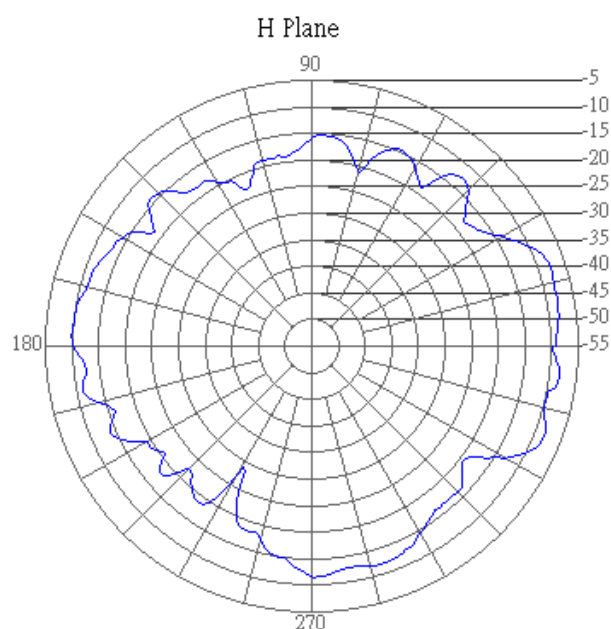


Frequency 5850.00 MHz

Average Gain= -15.71 Max Gain= -10.05 Min Gain= -33.05

Custom Name: VSO-0112

Model Name: G600-灰-5850_0



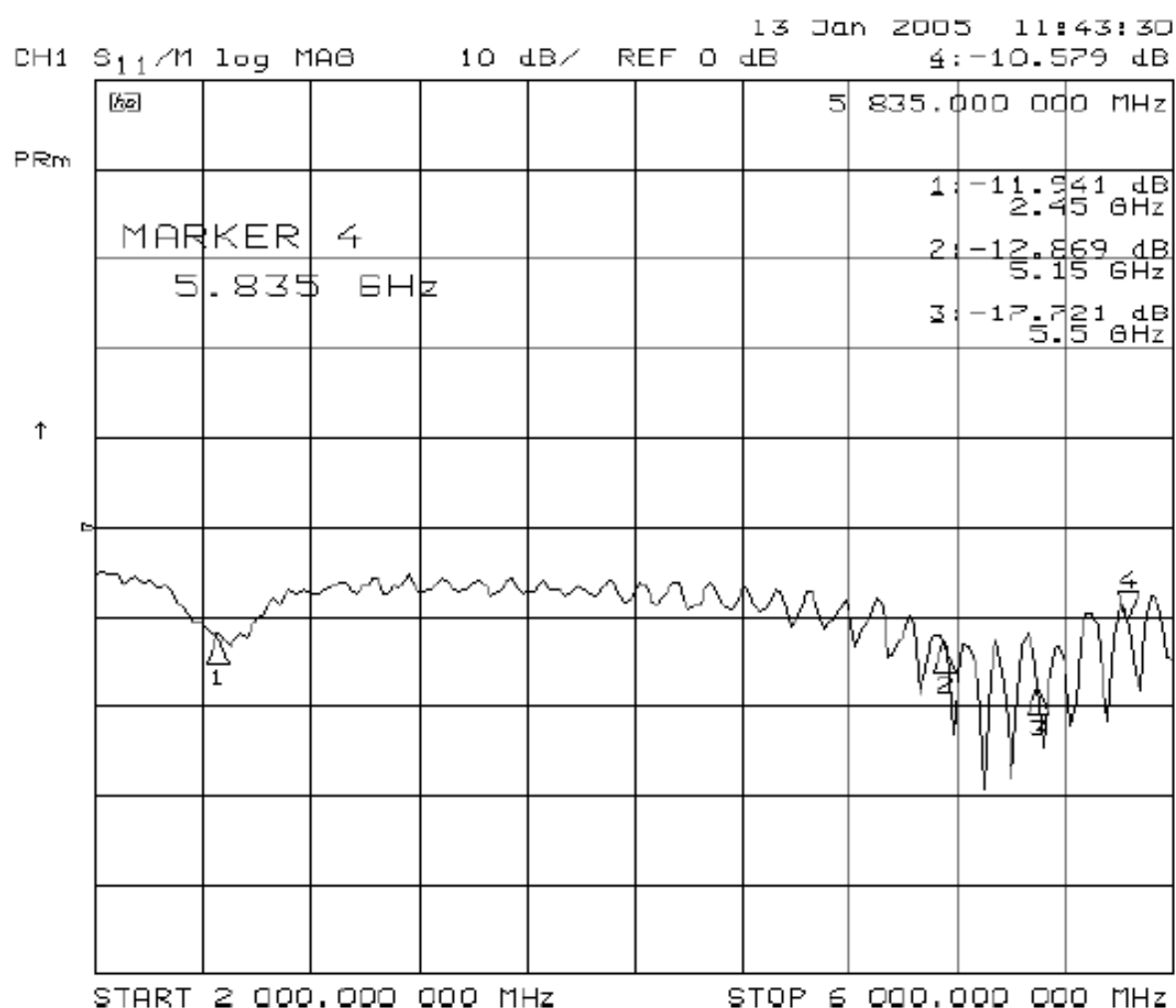
Frequency 5850.00 MHz

Average Gain= -14.85 Max Gain= -7.88 Min Gain= -28.88

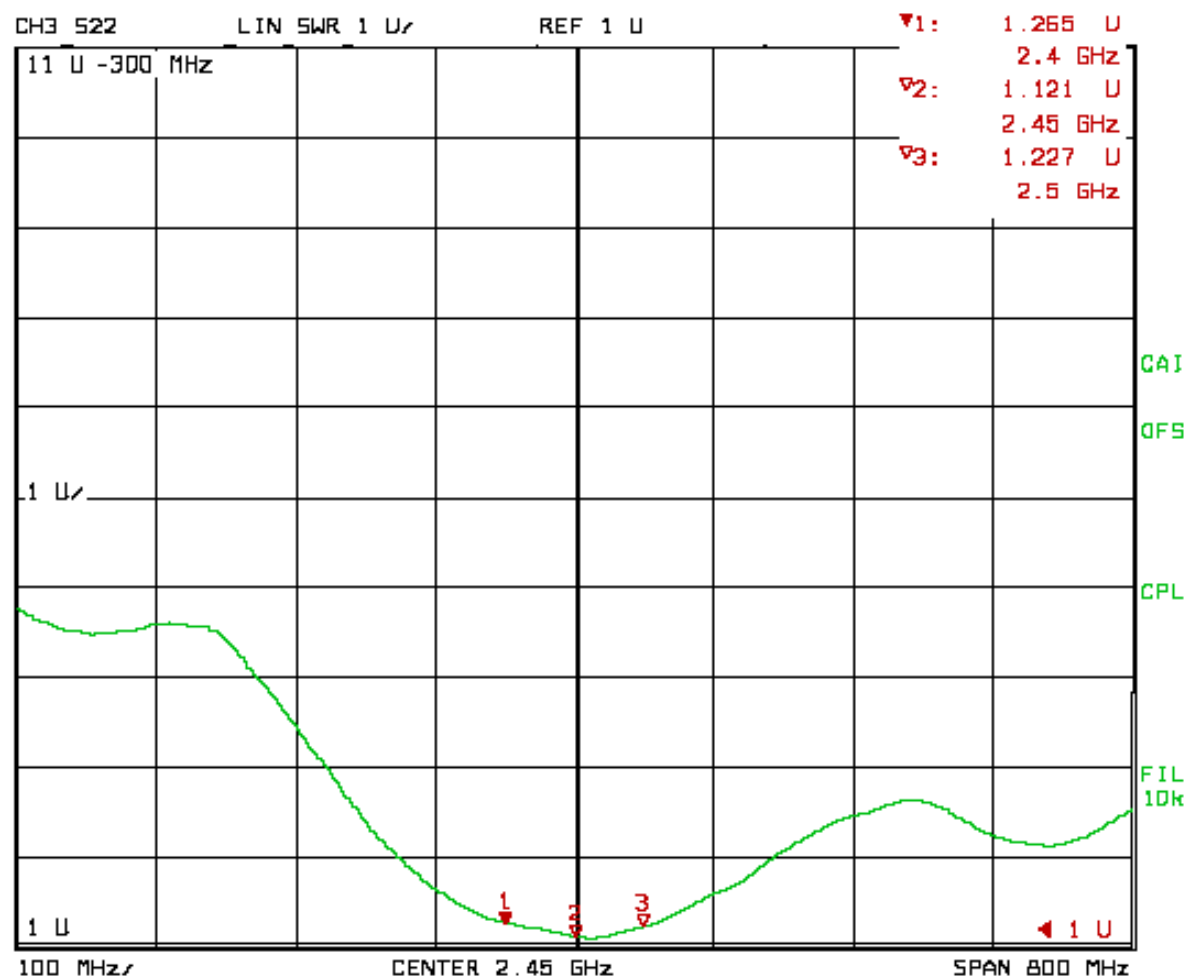
Custom Name: VSO-0112

Model Name: G600-灰-5850_0

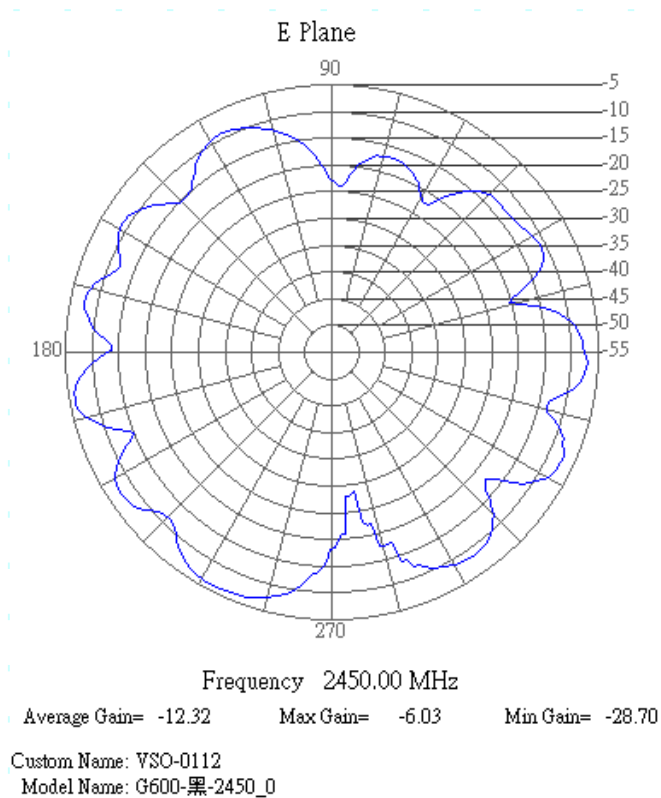
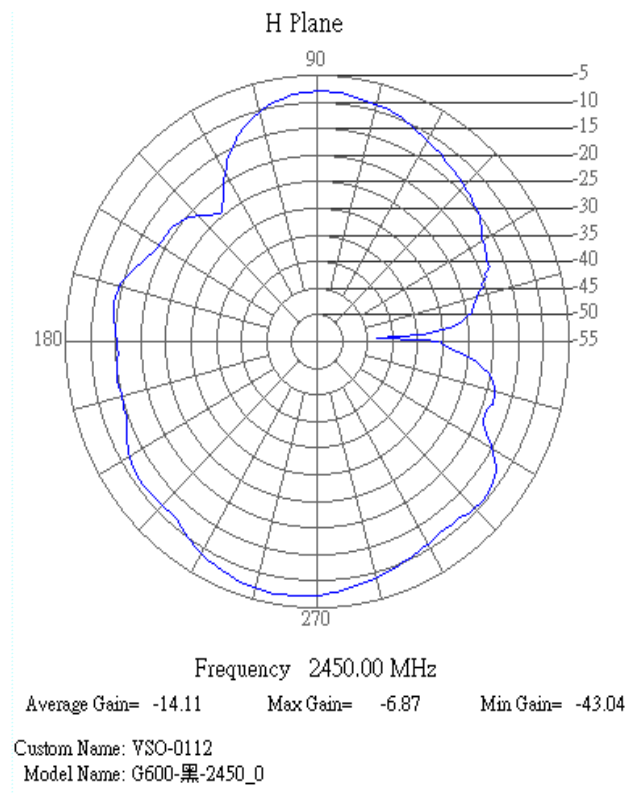
G600 灰色 Returnloss



VSWR

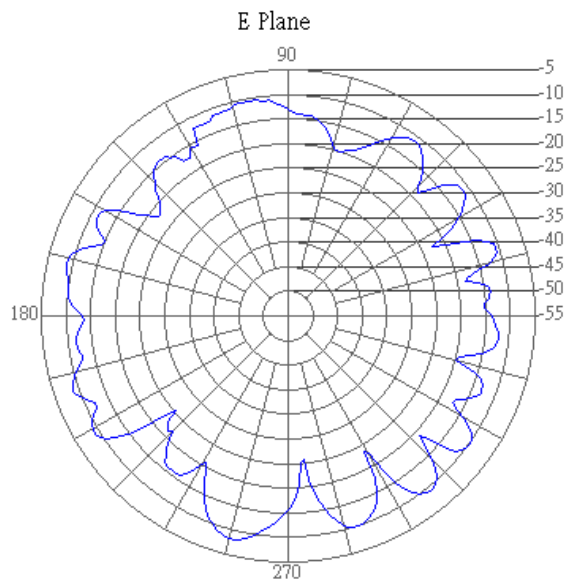


Date: 11.JUN.02 18:21:13





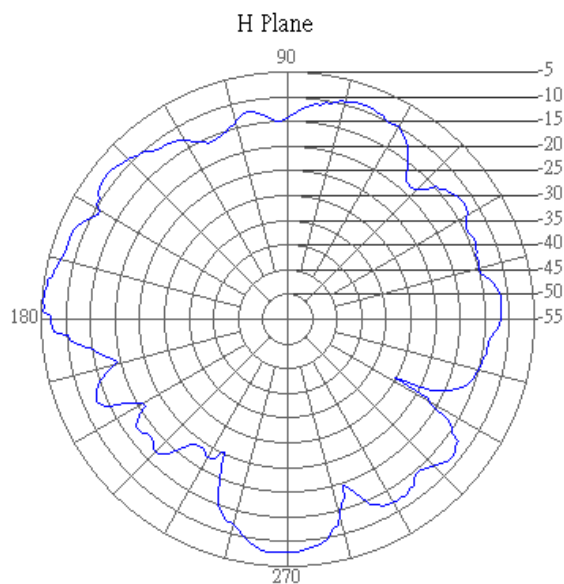
鴻呈實業股份有限公司
VSO ELECTRIC CO., LTD.



Frequency 5150.00 MHz

Average Gain= -14.04 Max Gain= -8.25 Min Gain= -25.75

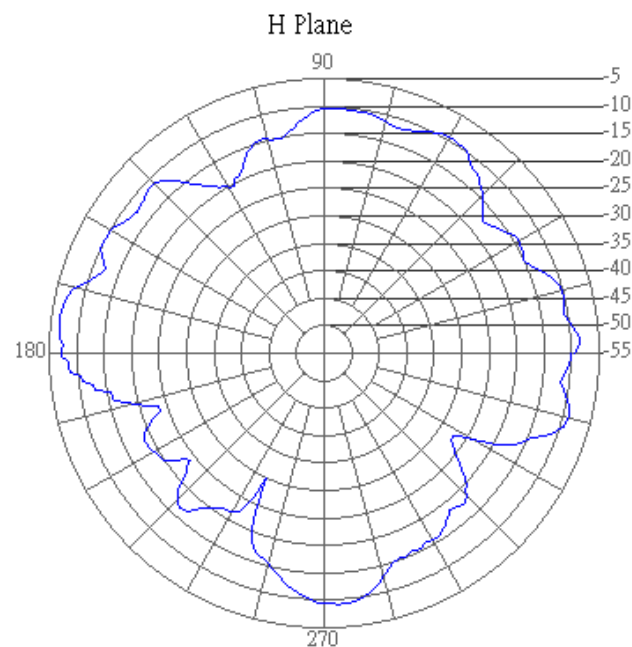
Custom Name: VSO-0112
Model Name: G600-黑-5150_0



Frequency 5150.00 MHz

Average Gain= -13.33 Max Gain= -5.25 Min Gain= -30.08

Custom Name: VSO-0112
Model Name: G600-黑-5150_0

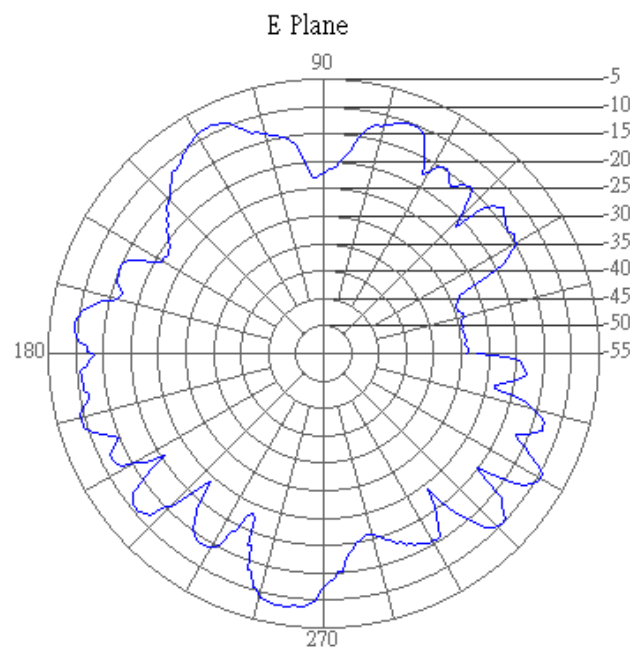


Frequency 5350.00 MHz

Average Gain= -14.29 Max Gain= -6.56 Min Gain= -29.89

Custom Name: VSO-0112

Model Name: G600-黑-5350_0

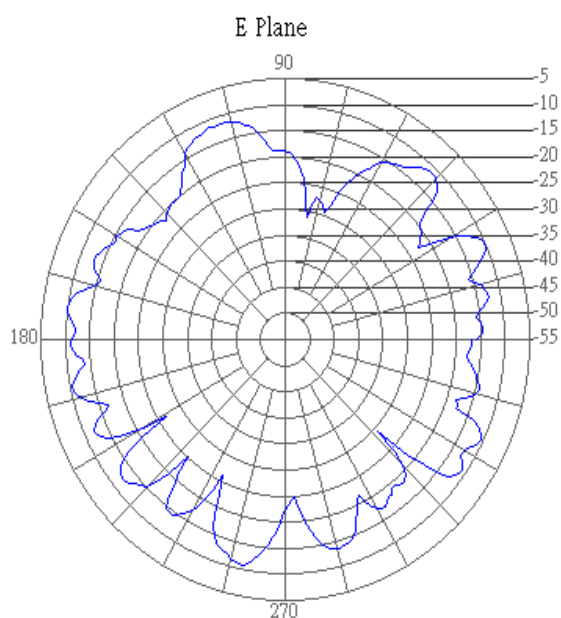


Frequency 5350.00 MHz

Average Gain= -15.85 Max Gain= -8.39 Min Gain= -29.56

Custom Name: VSO-0112

Model Name: G600-黑-5350_0

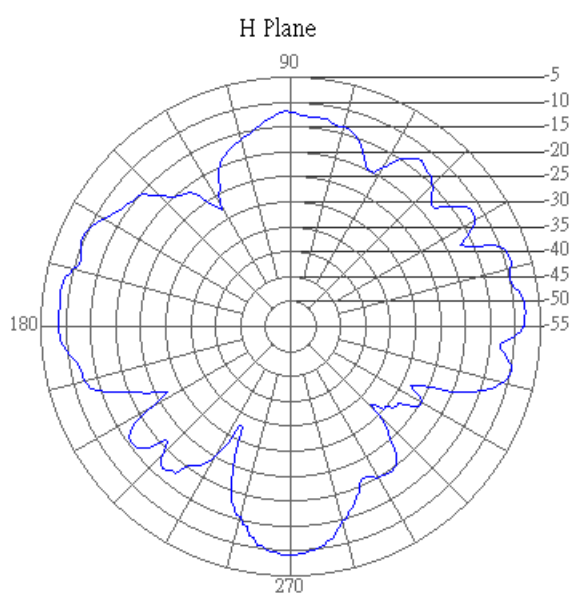


Frequency 5500.00 MHz

Average Gain= -16.18 Max Gain= -9.87 Min Gain= -31.04

Custom Name: VSO-0112

Model Name: G600-黑-5500_0

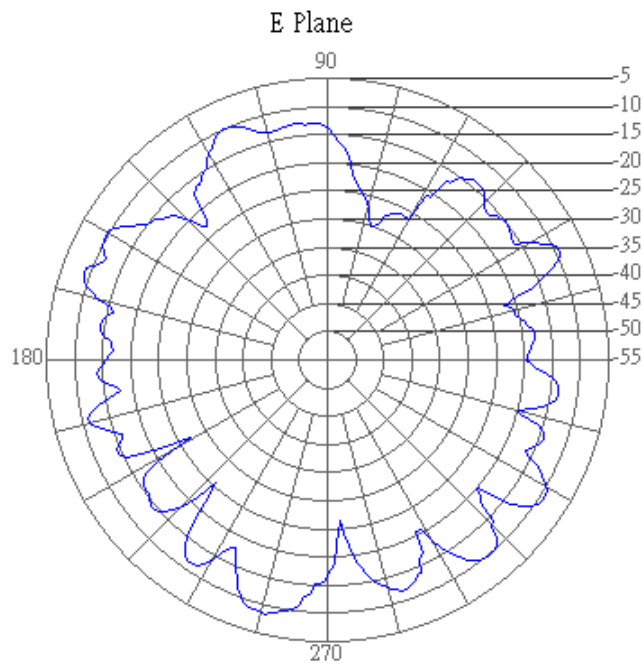


Frequency 5500.00 MHz

Average Gain= -15.97 Max Gain= -7.87 Min Gain= -32.70

Custom Name: VSO-0112

Model Name: G600-黑-5500_0

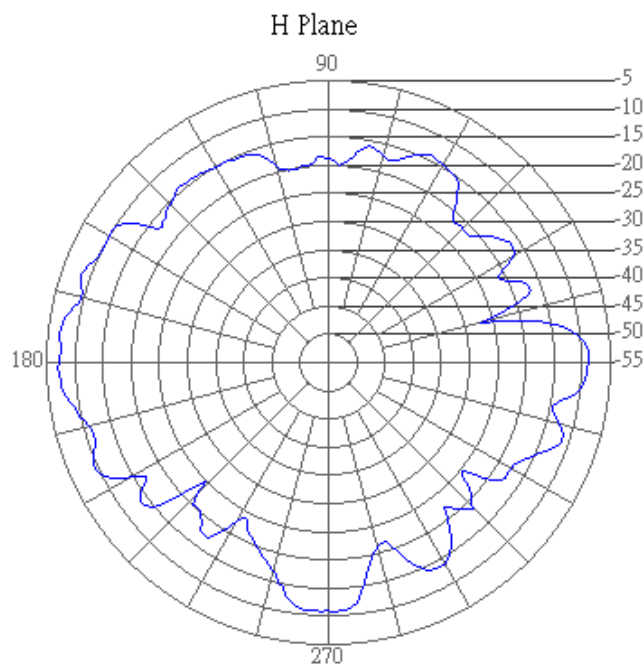


Frequency 5850.00 MHz

Average Gain= -15.51 Max Gain= -8.55 Min Gain= -30.21

Custom Name: VSO-0112

Model Name: G600-黑-5850_0



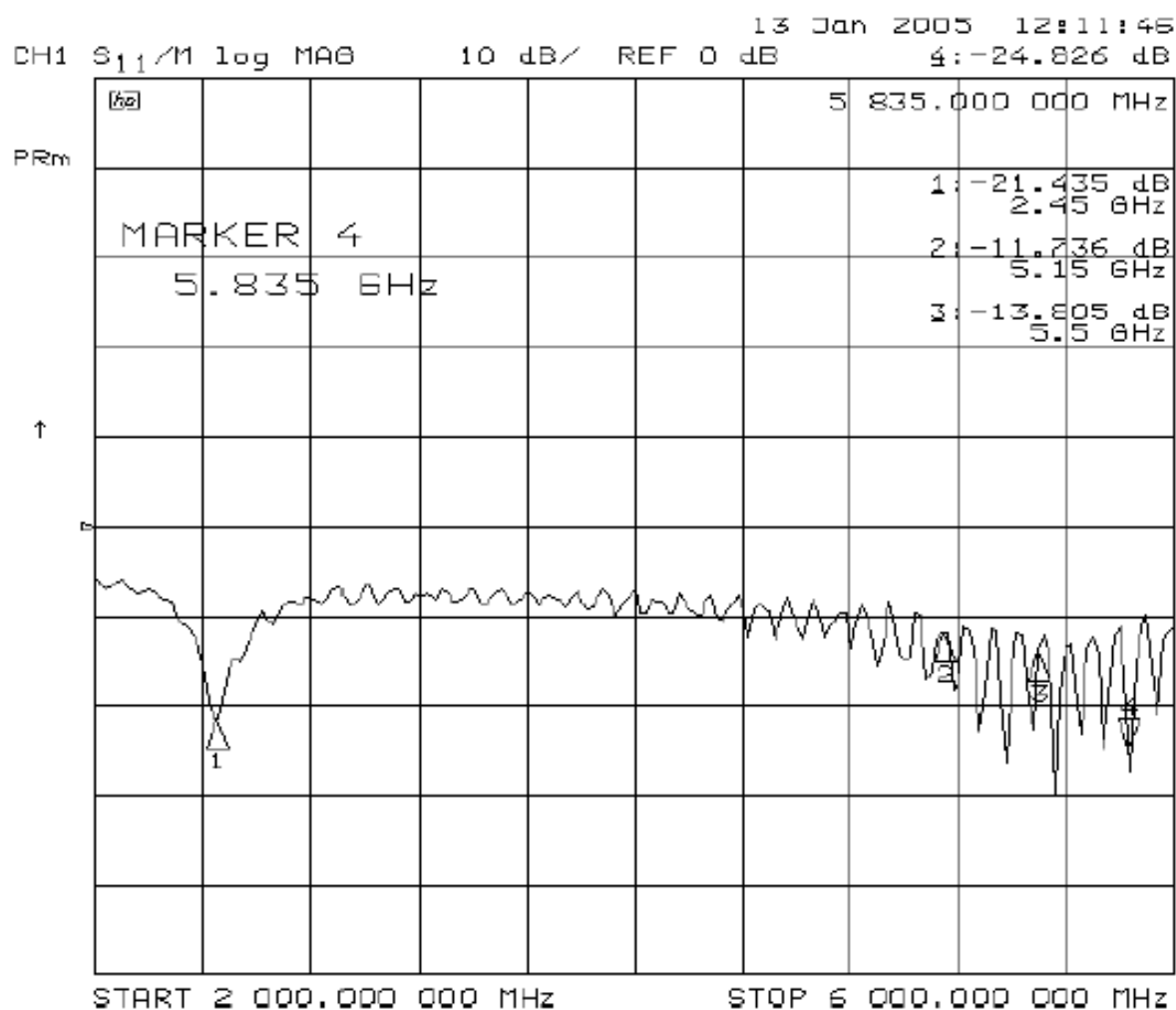
Frequency 5850.00 MHz

Average Gain= -15.34 Max Gain= -7.05 Min Gain= -27.22

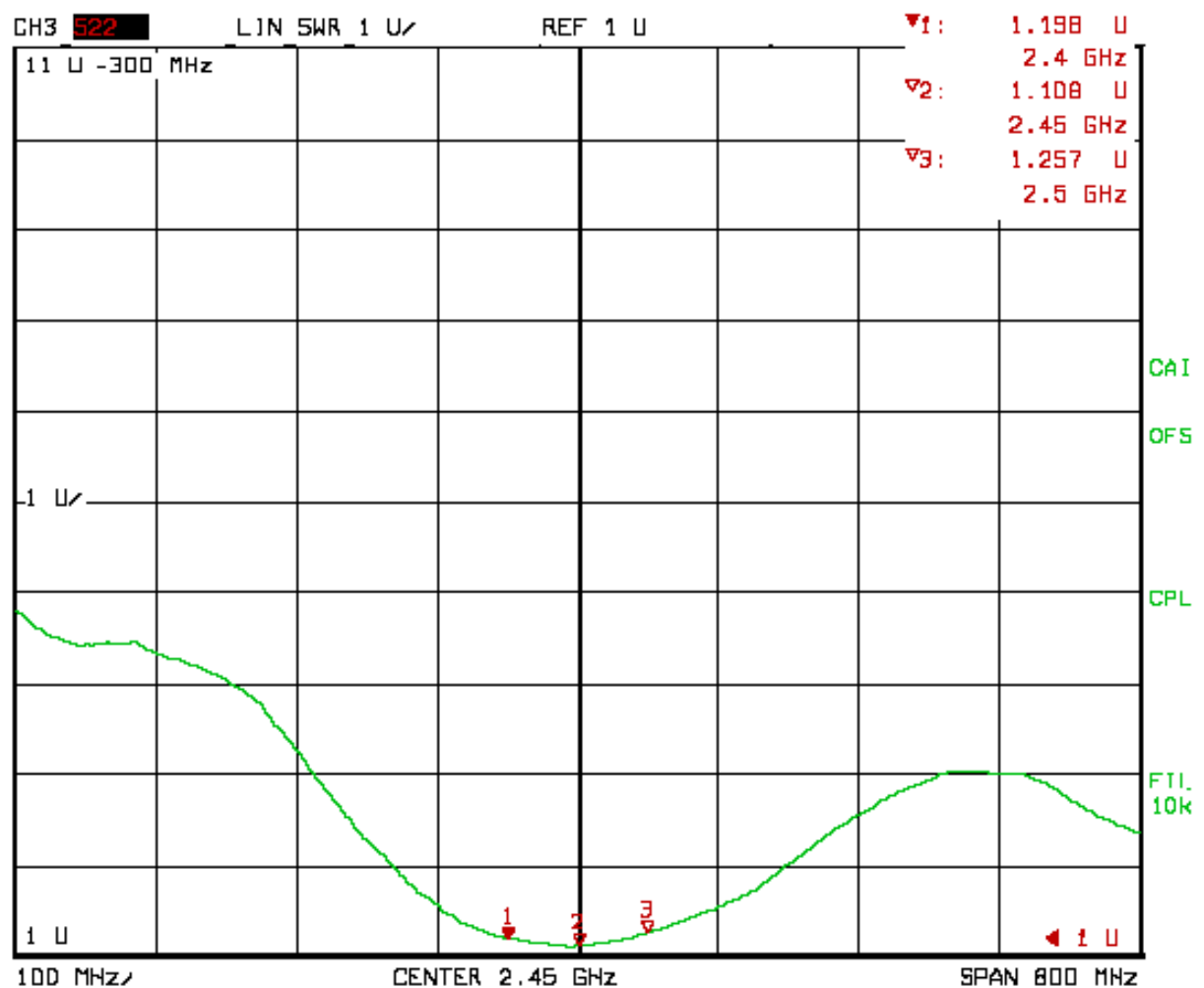
Custom Name: VSO-0112

Model Name: G600-黑-5850_0

G600 黑色 Returnloss



VSWR



Date: 10.MAY.02 11:43:32