

APPROVAL SHEET

CUSTOMER : 中磊電子股份有限公司

MODEL NO. : W115-141-D2

DESCRIPTION: 2.4G ANTENNA WITH RP SMA

Signed By Customers

Approved By:

供應商: 垠旺精密股份有限公司

TEL:02-2917-7528;FAX:02-2912-1659

台北縣新店市寶興路 37 號 3 樓

SPECIFICATION

1. Electrical Properties

1-1	Frequency Range	2.4~2.4835GHz
1-2	Impedance.....	50 Ohms nominal
1-3	V.S.W.R.....	2.0 (Max.)
1-4	Return Loss.....	-10.0 dB(Max.)
1-5	Max. Gain.....	2.0dBi
1-6	Polarization.....	Vertical
1-7	Admitted Power.....	1W
1-8	Electrical Wave.....	1/4 λ Dipole

2. Mechanical Properties

2-1	Connector.....	RP SMA PLUG
2-2	Cable.....	RG178
2-3	Antenna Body.....	T.P.R.
	Antenna Base.....	ABS
2-4	Operating Temperature Range.....	-20 ~ +50
2-5	Storage Temperature Range.....	-20 ~ +50
2-6	Rotating Test	1.0kg-cm after 2000 cycles with rate of 30 cycles/mins (Max.).
2-7	Attachment Strength.....	2.0 kg-cm .

工程成品圖

成品圖

5	鍍金	TPR	Black
4	外層噴	ABS	Black
3	內層	ABS	Black
2	主體件	ABS	Black
1	RP SAMA	Brass	Gold Pl

ITEM DESCRIPTION MATERIALS FINISHED

ELECTRICAL PERFORMANCE:

1. Impedance : 50 ohms
2. Frequency Range : 2.4-2.5 GHz
3. Working Voltage : 170 Vrms minimum
4. Dielectric Withstanding Voltage : 500 Vrms minimum
5. Standalone Resistance : 1000 Megohms minimum
6. VSWR : 2.0 maximum
7. Gain : 1.5dBi

REV		DESCRIPTION		ECN	DRAWN	DATE	REVISIONS
A	NEW RELEASE	02-166	Yang	06/01/2002			

REVISIONS

DATE: 06/01/2002

BY: Yang

RP SAMA ANTENNA

SCALE: 1 or 1

FIG. NO: 1/2/1

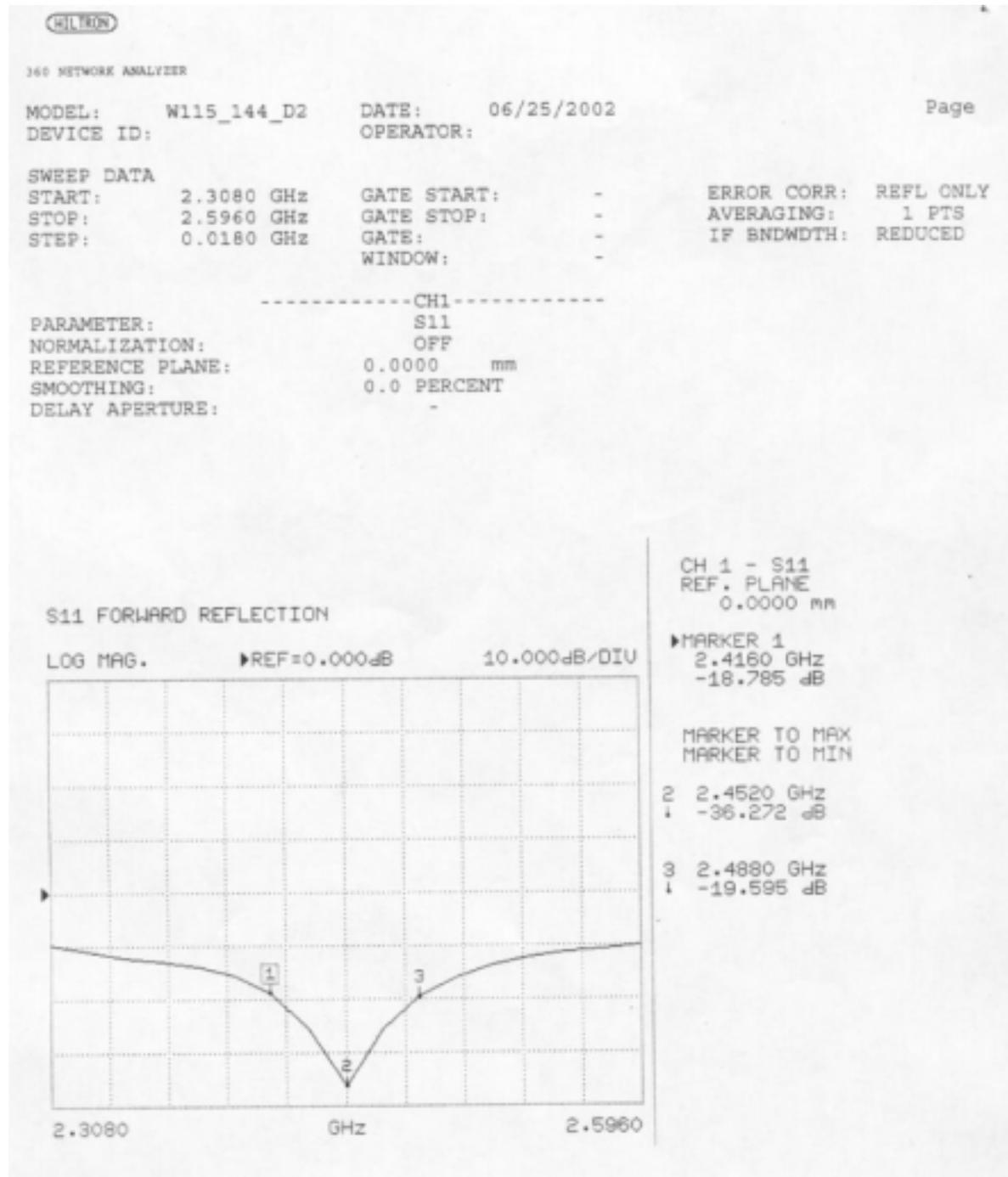
W115-141-D2

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REV. A

W115-141-D2

Return Loss



H-Plane Test Report

IO ANTENNA PATTEM

ANTENNA TEST NO. W115-144-D2

TEST DATE:2002/06/07

TEST FREQUENCY:2450GHz

TEST POLARIZATION:VERTICAL
(H-PLANE)

TEST ANTENNA:HORN ANTENNA

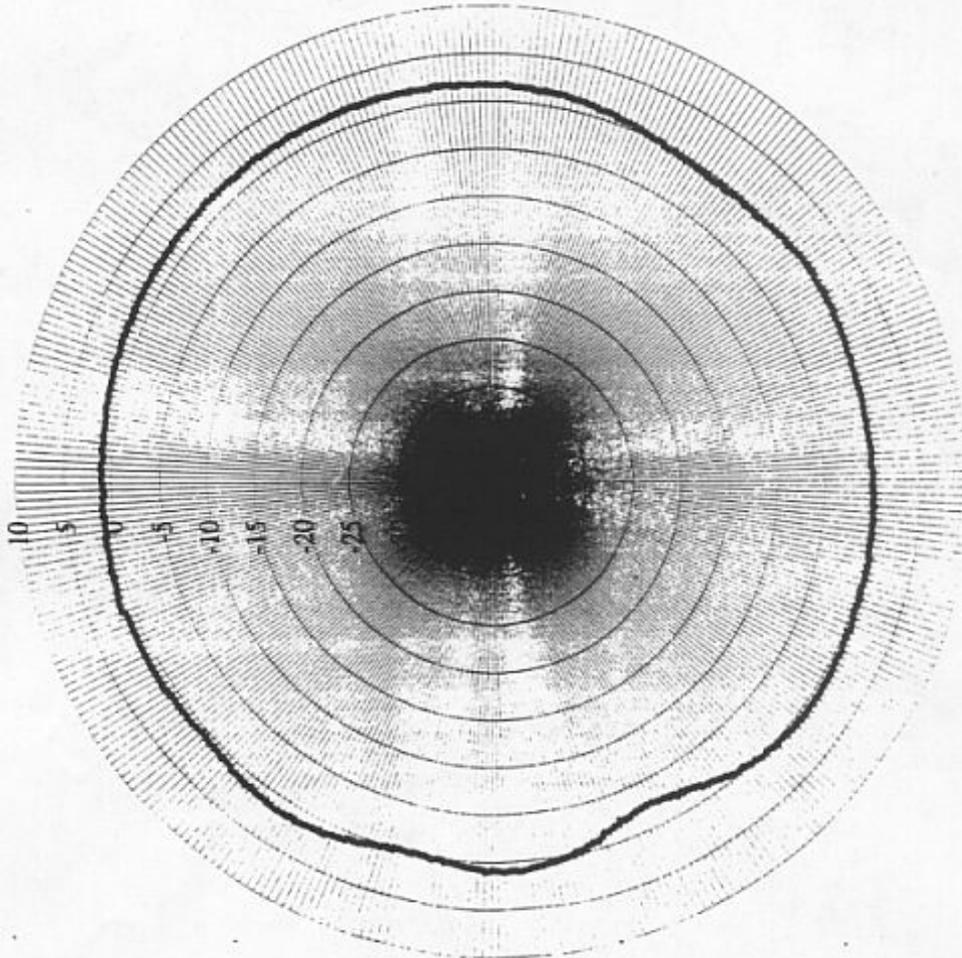
TEST CHAMBER:RF CHAMBER

TEST PERSONNEL: Yang

MAX GAIN: 1.93 dBi

MIN GAIN: -2.54 dBi

AVE GAIN: 0.64 dBi



E-Plane Test Report

IO ANTENNA PATTEM

ANTENNA TEST NO. W155-144-D2

TEST DATE:2002/06/07

TEST FREQUENCY:2450GHZ

TEST POLARIZATION:HORIZONTAL
(E-PLANE)

TEST ANTENNA:HORN ANTENNA

TEST CHAMBER:RF CHAMBER

TEST PERSONNEL: Yang

MAX GAIN: 3.77 dBi

MIN GAIN: -19.95 dBi

AVE GAIN: -3.60 dBi

