

APPROVAL SHEET

CUSTOMER : 訊強通訊科技股份有限公司

MODEL NO. : W119-141-D200

DESCRIPTION: 2.4G ANTENNA WITH RP SMA

Signed By Customers

Approved By:

供應商: 環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

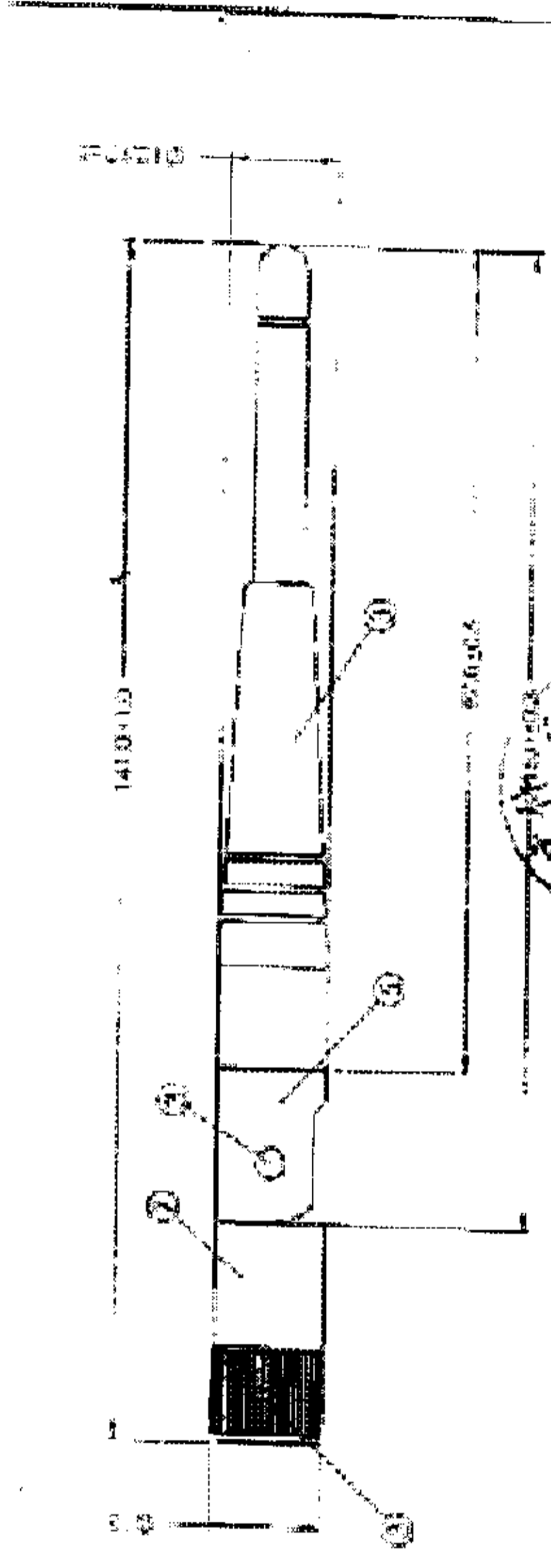
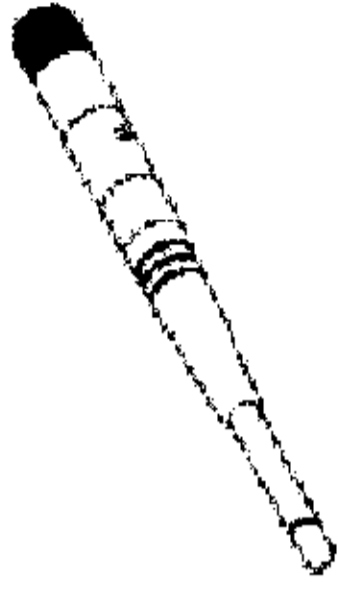
1-1	Frequency Range	2.4~2.4835GHz
1-2	Impedance.....	50 Ohms nominal
1-3	V.S.W.R.....	2.0 (Max.)
1-4	Return Loss.....	-10.0 dB(Max.)
1-5	Max. Gain.....	2.0dBi
1-6	Polarization.....	Vertical
1-7	Admitted Power.....	1W
1-8	Electrical Wave.....	1/4 λ Dipole

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°C ~ +50°C
2-5	Storage Temperature Range.....	-20°C ~ +50°C
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

1000000000



ITEM	DESCRIPTION	MATERIALS	QUANTITY
1	Block of	Block	
2	Block	Block	
3	Block	Block	
4	Block	Block	
5	Block	Block	
6	Block	Block	

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ELECTRICAL PERFORMANCE:
 1. Impedance : 50 ohms
 2. Frequency Range : 2.4--2.5 GHz
 3. VSWR : 2.0 maximum
 4. Gain : 1.5dB

REV	NEW RELEASE DESCRIPTION	DATE	Yong DRAWN	Yong	RP SMA ANTENNA	10
A	NEW RELEASE DESCRIPTION	2017/03/17	Yong	Yong	RP SMA ANTENNA	10
REVISIONS						
TITLE: RP SMA ANTENNA DRAWN: Yong CHECKED: Yong DATE: 2017/03/17 DESIGNED: Yong APPROVED: Yong PART NO: WIP-141-0200 REV: A WIP-141-0200						

Return Loss

MILIB

NO NETWORK ANALYSIS

MODEL: W119-141-D200 DATE: 07/30/2002
 DEVICE ID: OPERATOR:

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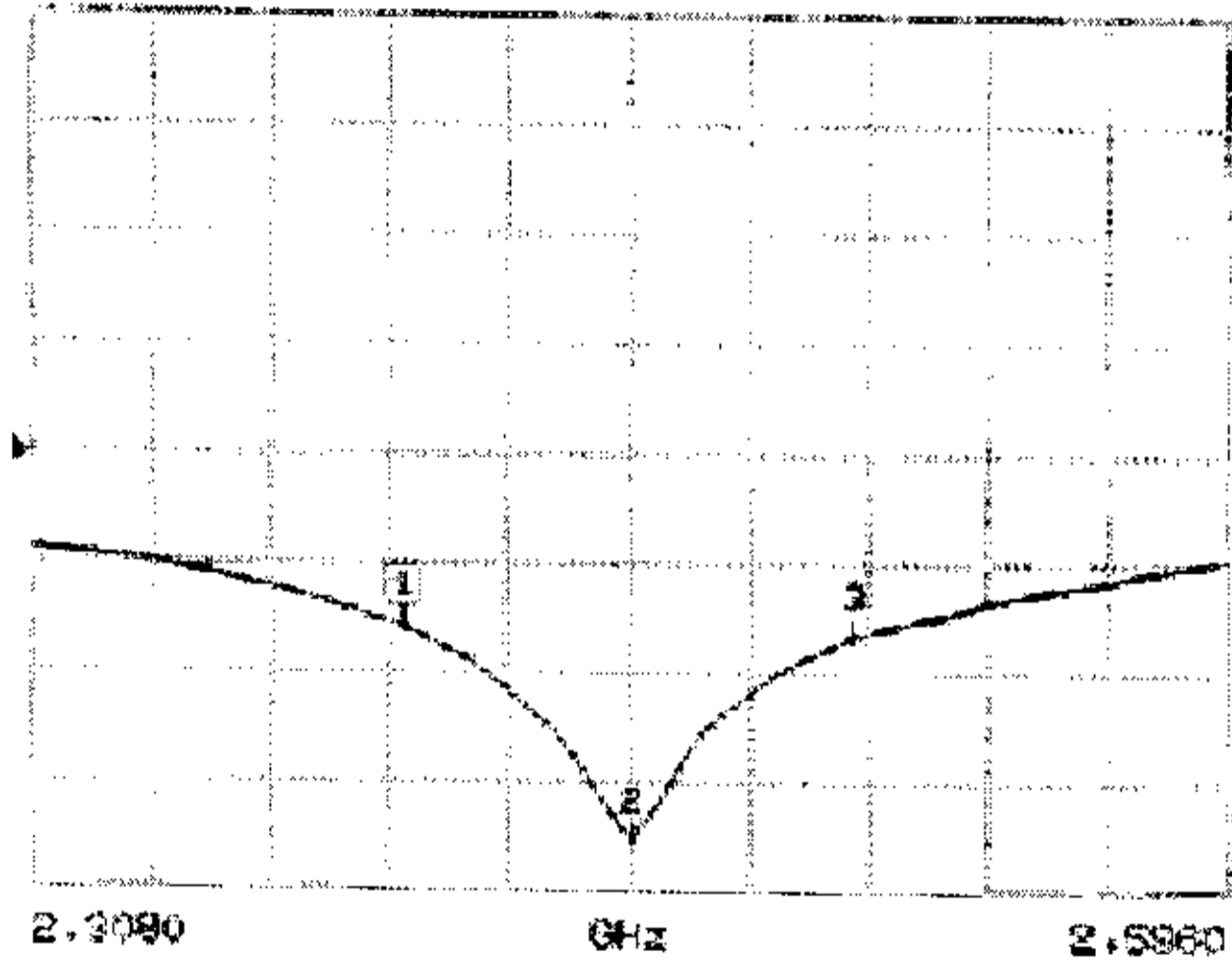
SWEEP DATA

START:	2.3080 GHz	GATE START:	-	ERROR CORR:	REFL ONLY
STOP:	2.5960 GHz	GATE STOP:	-	AVERAGING:	1 PTS
STEP:	0.0180 GHz	GATE:	-	IF BANDWIDTH:	REDUCED
		WINDOW:	-		

PARAMETER:	-----CH1-----
NORMALIZATION:	S11
REFERENCE PLANE:	OFF
SMOOTHING:	0.0000 mm
DELAY APERTURE:	0.0 PERCENT

S11 FORWARD REFLECTION

LOG MAG. REF=0.000dB 10.000dB/DIV



CH 1 - S11
 REF. PLANE
 0.0000 mm

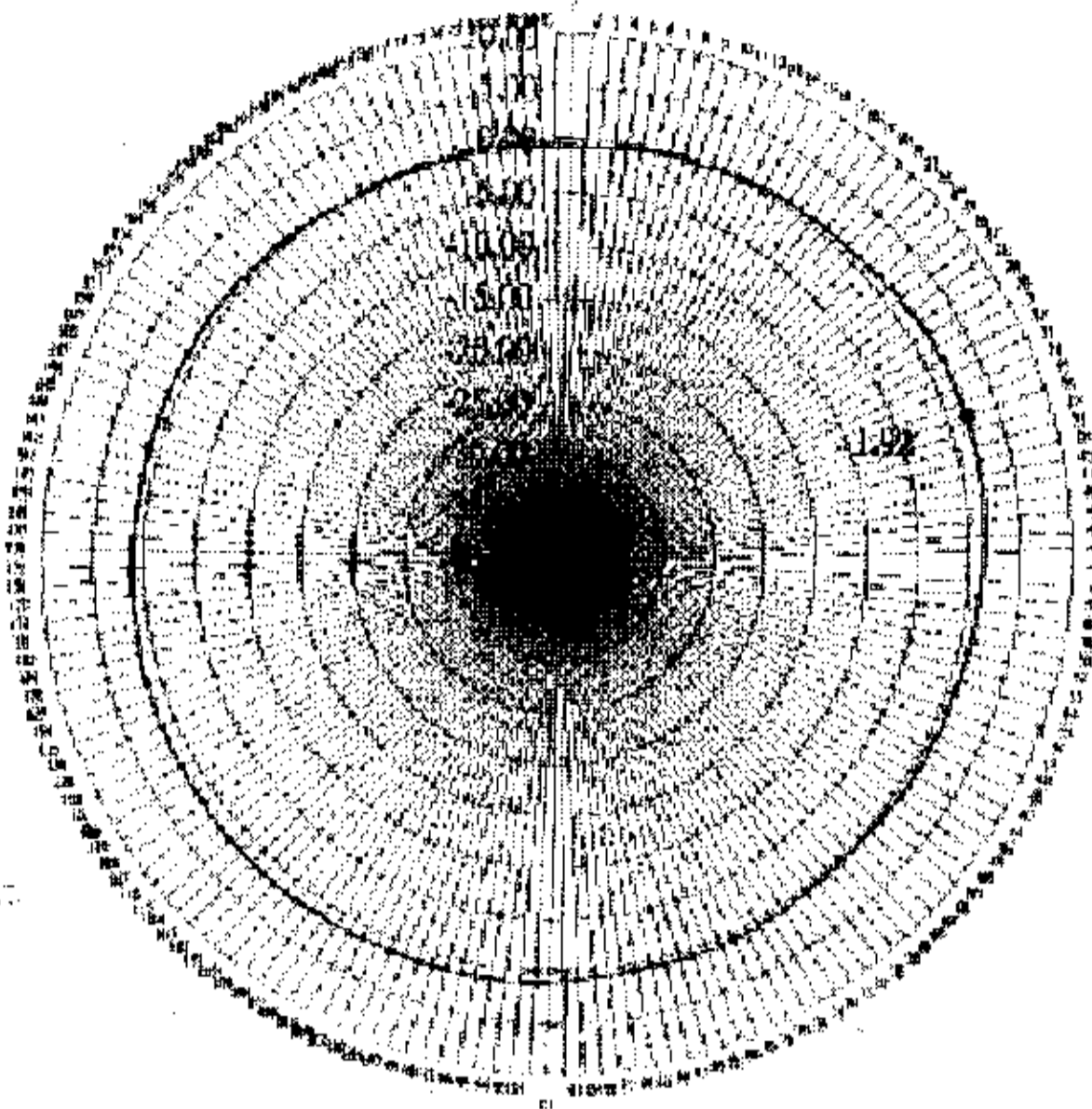
MARKER 1
 2.3960 GHz
 -15.709 dB

MARKER TO MAX
 MARKER TO MIN

2 2.4520 GHz
 1 -25.963 dB

3 2.5080 GHz
 1 -25.577 dB

H-Plane Test Report



10 ANTENNA PATTERN

ANTENNA TEST NO. W15-14-0279

TEST DATE: 02/07/19

TEST FREQUENCY: 2400MHz

TEST POLARIZATION: VERTICAL
(H-PLANE)

TEST ANTENNA: HORN ANTENNA

TEST STEP: 0.1 DEGREE, 2 DEGREE

TEST CHAMBER: REF CHAMBER

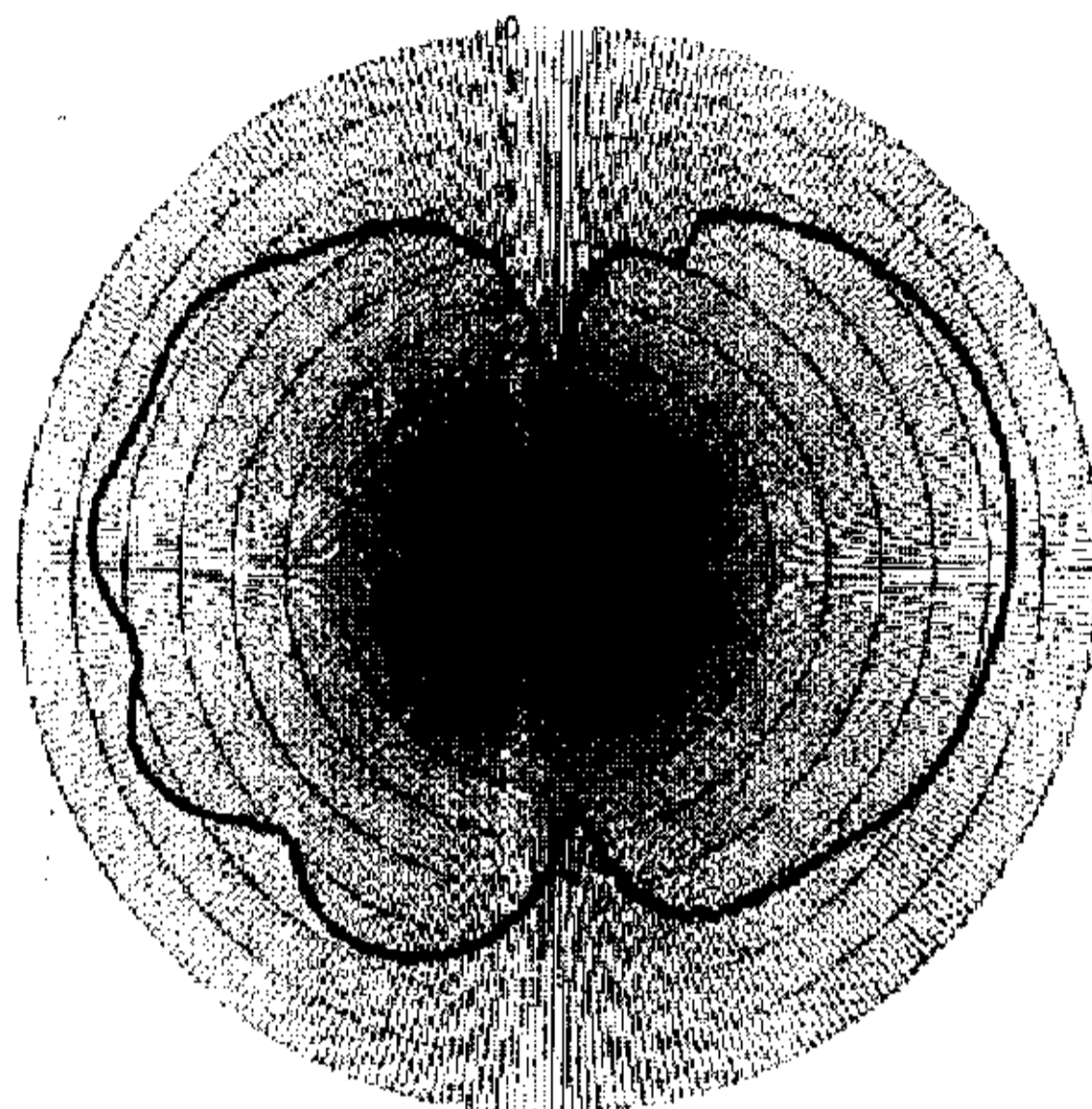
TEST PERSONNEL: BRUNY

MAX GAIN: 1.92 dBi

MIN GAIN: -0.65 dBi

AVE GAIN: 0.51 dBi

E-Plane Test Report



10 ANTENNA PATTEM

ANTENNA TEST NO. W119-111-0200

TEST DATE: 2002/05/27

TEST FREQUENCY: 2450MHz

TEST POLARIZATION: HORIZONTAL
(E-PLANE)

TEST ANTENNA: HORN ANTENNA

TEST CHAMBER: RF CHAMBER

TEST PERSONNEL: Yang

MAX GAIN: 3.43 dBi
MIN GAIN: -26.50 dBi
AVE GAIN: -2.90 dBi