

TO: _____

SPECIFICATION FOR APPROVAL

DESCRIPTION : 2.4GHz & 5.8GHz Swivel Antenna

CUSTOMER DWG. NO. /PART NO : _____

KINSUN PROD. NO : 6603303081

DATE : 2009/01/12

PLEASE RETURN TO US ONE COPY OF “ SPECIFICATION FOR APPROVAL
” WITH YOUR APPROVED SIGNATURES

APPROVED SIGNATURES			
			



慶陞工業股份有限公司
KINSUN INDUSTRIES INC.

桃園縣中壢市普忠路 211 巷 20 號

TEL : 886-3-4353551

<http://www.kinsun.com>

FAX : 886-3-4353951

e-mail: info@kinsun.com

SGS

Certificate TW97/10964QA

The management system of

KINSUN INDUSTRIES INC.

NO. 20, LANE 211, PU-CHUNG ROAD, CHUNG-LI CITY,
TAOYUAN HSIEN, TAIWAN



has been assessed and certified as meeting the requirements of

ISO 9001:2000

For the following activities

**Design and manufacture of connector for telecomm & ICT,
RF- Antenna, Stamping- parts.**

Further clarifications regarding the scope of this certificate and the applicability of
ISO 9001:2000 requirements may be obtained by consulting the organisation

This certificate is valid from 13 October 2006 until 12 October 2009
Issue 4. Certified since October 1997

Authorised by

P. Earl

SGS United Kingdom Ltd Systems & Services Certification
Rossmore Business Park Ellesmere Port Cheshire CH65 3EN UK
t +44 (0)151 350-6666 f +44 (0)151 350-6600 www.sgs.com



005



Certificate No.

TW-HSPM-1056

Issued:
Revision:
Expiration:

March 16, 2007
N/A
March 15, 2010

**IECQ Certificate of Hazardous Substance Process Management (HSPM)
applicable to the European Directive 2002/95/EC ("RoHS") requirements.**

The United States National Authorized Institution (ECCB)
and the Supervising Inspectorate (SGS Taiwan Ltd.) certify that

Kinsun Industries Inc.

No. 20, Lane 211,
Pu-Chung Road,
Chung-Li City, Taoyuan Hsien, Taiwan

Has developed and implemented Hazardous Substances Process Management, procedures, and related processes in compliance with the applicable requirements for HSPM organization approval which is in accordance with the Basic Rules IECQ-01 and Rules of Procedure QC 001002-5 "IECQ Hazardous Substance Process Management" of the IEC Quality Assessment System for Electronic Components (IECQ), and with respect to the Specification QC 080000 IECQ HSPM.

This certification is applicable to all electronic components and related materials and processes for the

design and manufacture of connector for telecomm & ICT, RF-Antenna, Stamping-parts.

Issued by Certification Authorities:



Electronic Component Certification Board

Signed:

Stanley H. Salot Jr.
Stanley H. Salot Jr. - President, ECCB

ECCB
PO Box 9041, Midland, Texas 79708
Tel: (432) 697-9970 Fax: (866) 260-6181
Web Site: www.eccb.org



SGS Taiwan Ltd.
136-1, Wu Kung Road,
Wuku Industrial Zone,
Taipei County, Taiwan
Web Site: www.sgs.com

The validity of this certificate is maintained through on-going surveillance inspections.

Note: This certificate is valid only in conjunction with the approval document(s). This approval and this certificate may be suspended or withdrawn in accordance with the Rules of Procedure of the IECQ. This certificate remains the property of the body which granted it.

RoHS COMPLIANT

MECHANICAL

Antenna Cover : PU

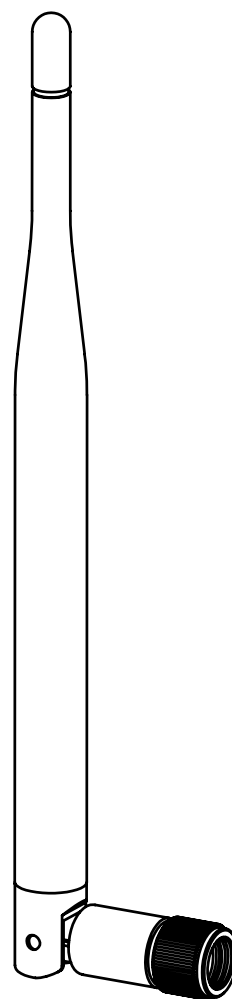
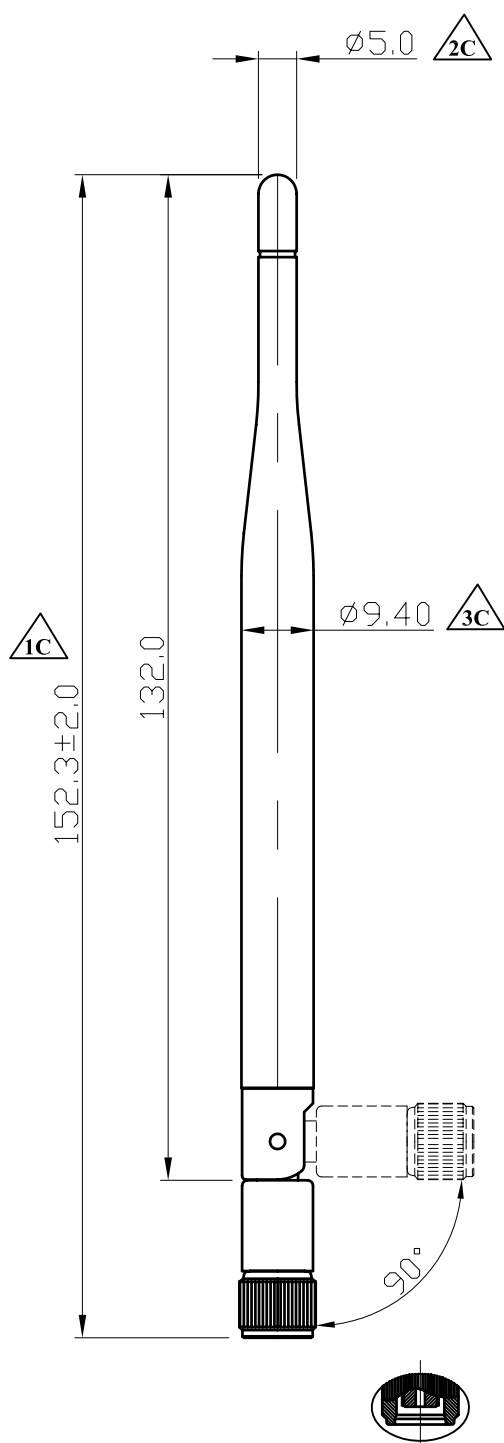
Antenna Base : PC UL 94V-0

Color : Black

ELECTRICAL

Frequency : 2.4&5.8 GHz

Connector : SMA Male RP



※凡標註△記號者，為品管檢驗之尺寸

設計DR.

Marco

2009/01/12

核准APPD.

Jerry

2009/01/12

容許公差

.XXX

.XX

.X

X

ANG

TOLERANCE

±0.10

±0.25

±0.38

±0.50

±3°

品名

ARTICLE 6603-2.4G-SMA

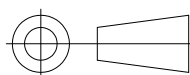
圖號

DWG NO. 6603303081

版本說明

REVISION NOTE

 KINSUN



單位 UNIT

mm

比例 SCALE

1/1

張數 SHEET

1/1

版本 REV.

A

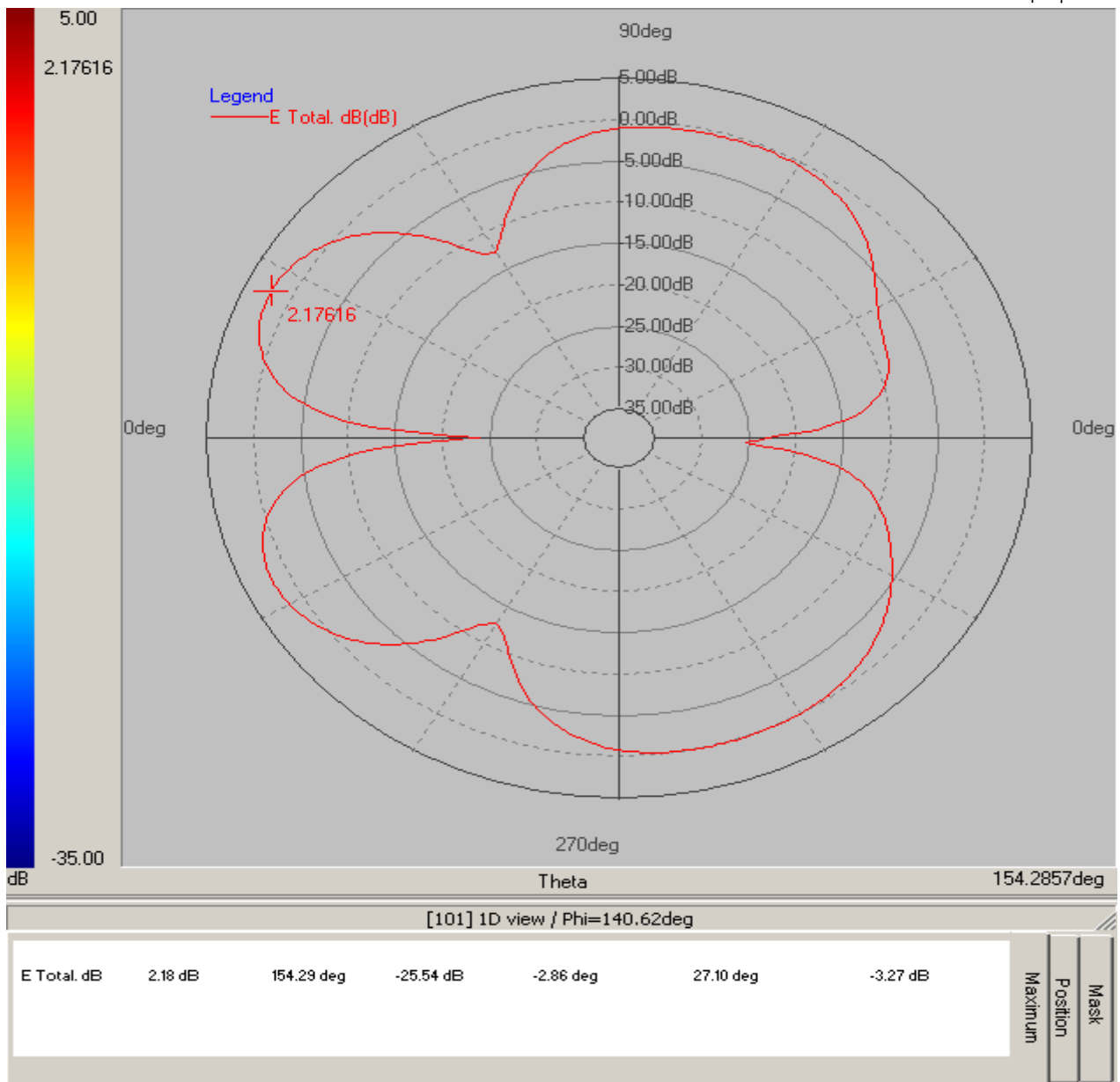
Brand / Model : 6603-2.4&5.8GHz

Remark : 2450MHz

Tested by : Brian

Date : 2009/01/12

Time : 下午 02 : 00



-- : Max. deg

*Unit : dBi

Frequency(MHz) : 2450.00

Pattern Field : E plane

Average Gain(dB) : -3.27dB

Maximum Gain(dB) : 2.18dB

Maximum Gain(degree) : 154.29

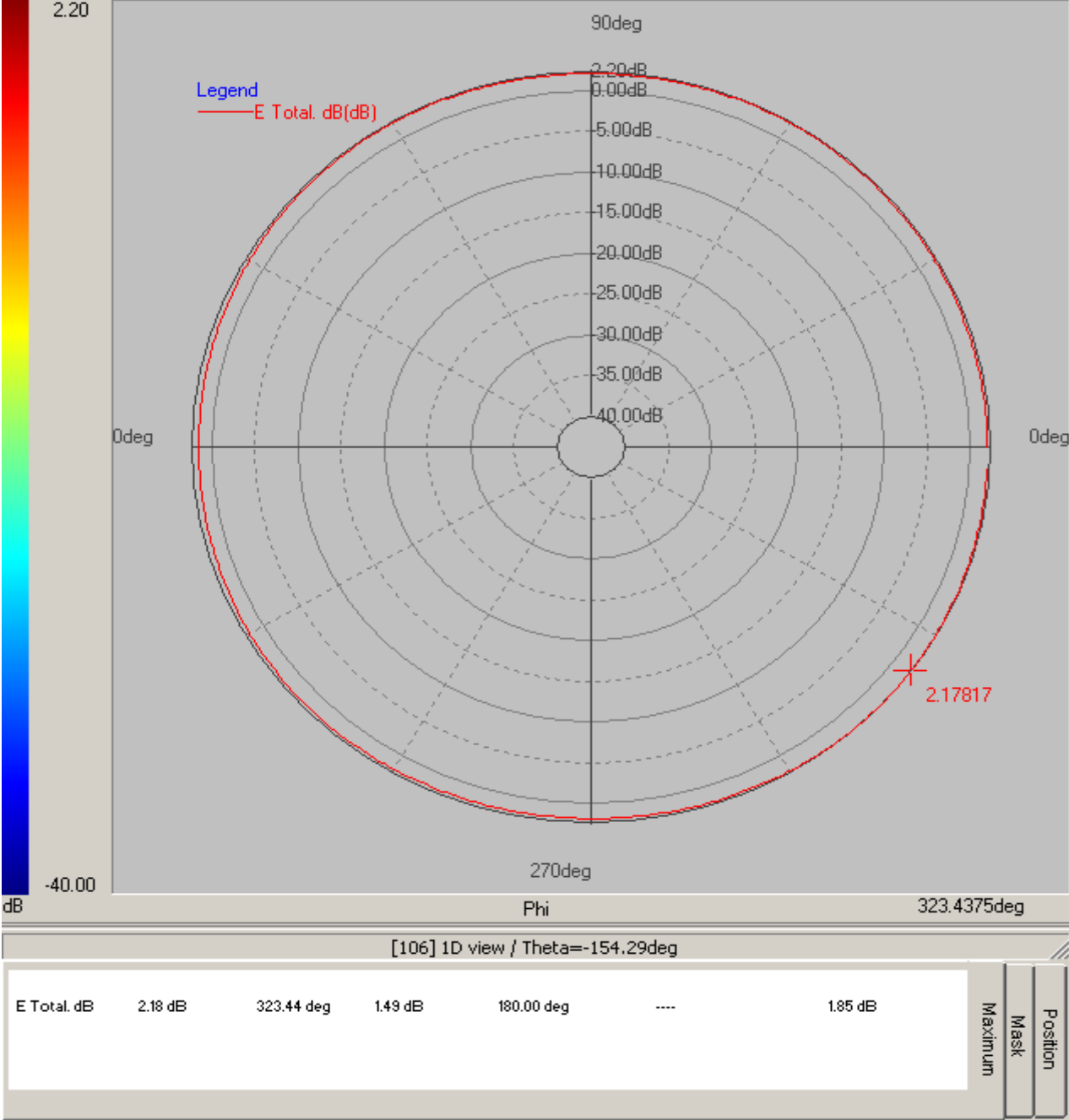
Minimum Gain(dB) : -25.54dB

Minimum Gain(degree) : -2.86

Brand / Model : 6603-2.4&5.8GHz
Remark : 2450MHz
Tested by : Brian

Date : 2009/01/12

Time : 下午 02 : 00



-- : Max. deg

*Unit : dBi

Frequency(MHz) : 2450.00	Pattern Field : H plane	Average Gain(dB) : 1.85dB
Maximum Gain(dB) : 2.18dB	Maximum Gain(degree) : 323.44	
Minimum Gain(dB) : 1.49dB	Minimum Gain(degree) : 180	

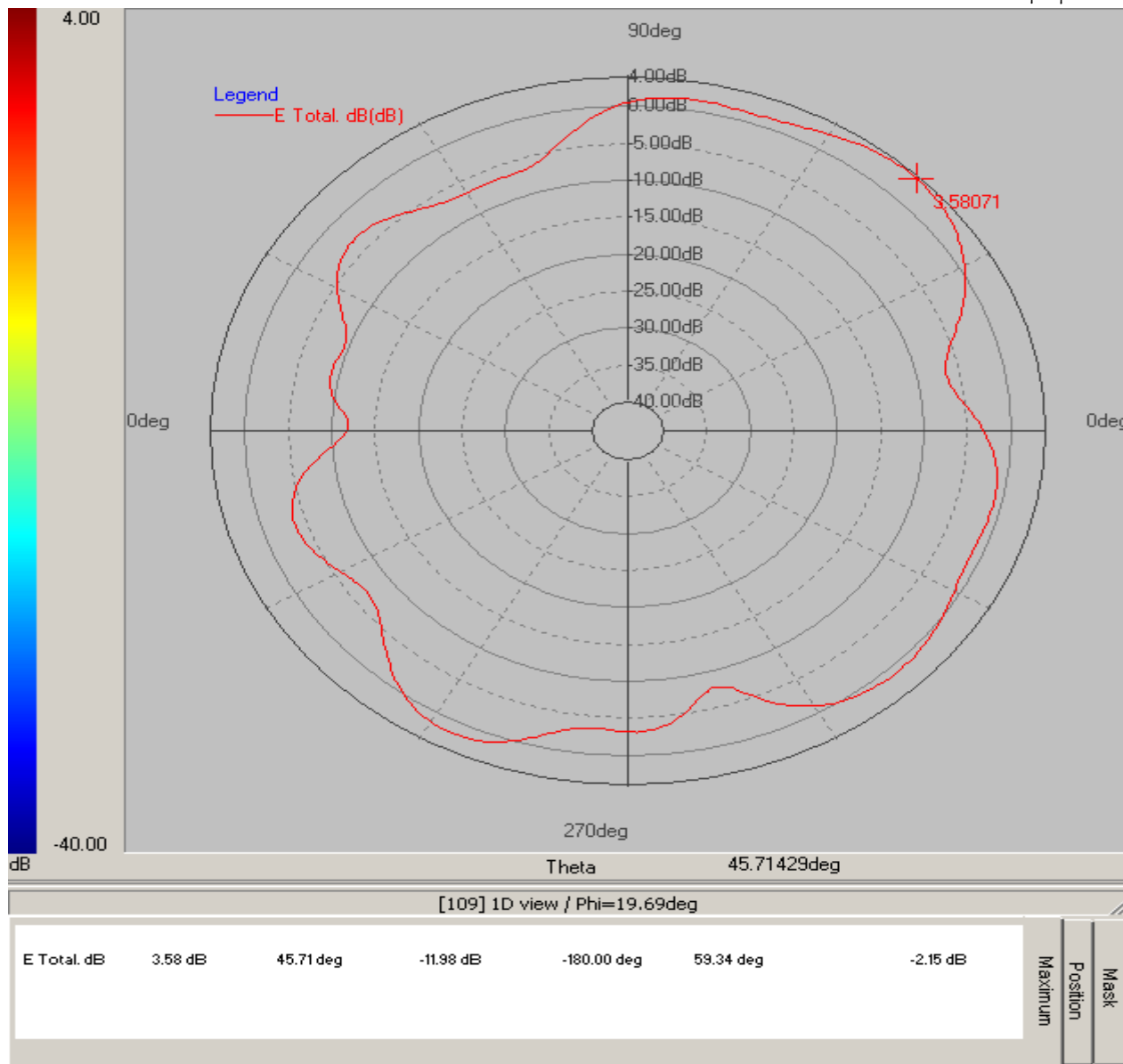
Brand / Model : 6603-2.4&5.8GHz

Remark : 5800MHz

Tested by : Brian

Date : 2009/01/12

Time : 下午 02 : 00



-- : Max. deg

*Unit : dBi

Frequency(MHz) : 5800.00

Pattern Field : E plane

Average Gain(dB) : -2.15dB

Maximum Gain(dB) : 3.58dB

Maximum Gain(degree) : 45.71

Minimum Gain(dB) : -11.98dB

Minimum Gain(degree) : -180.00



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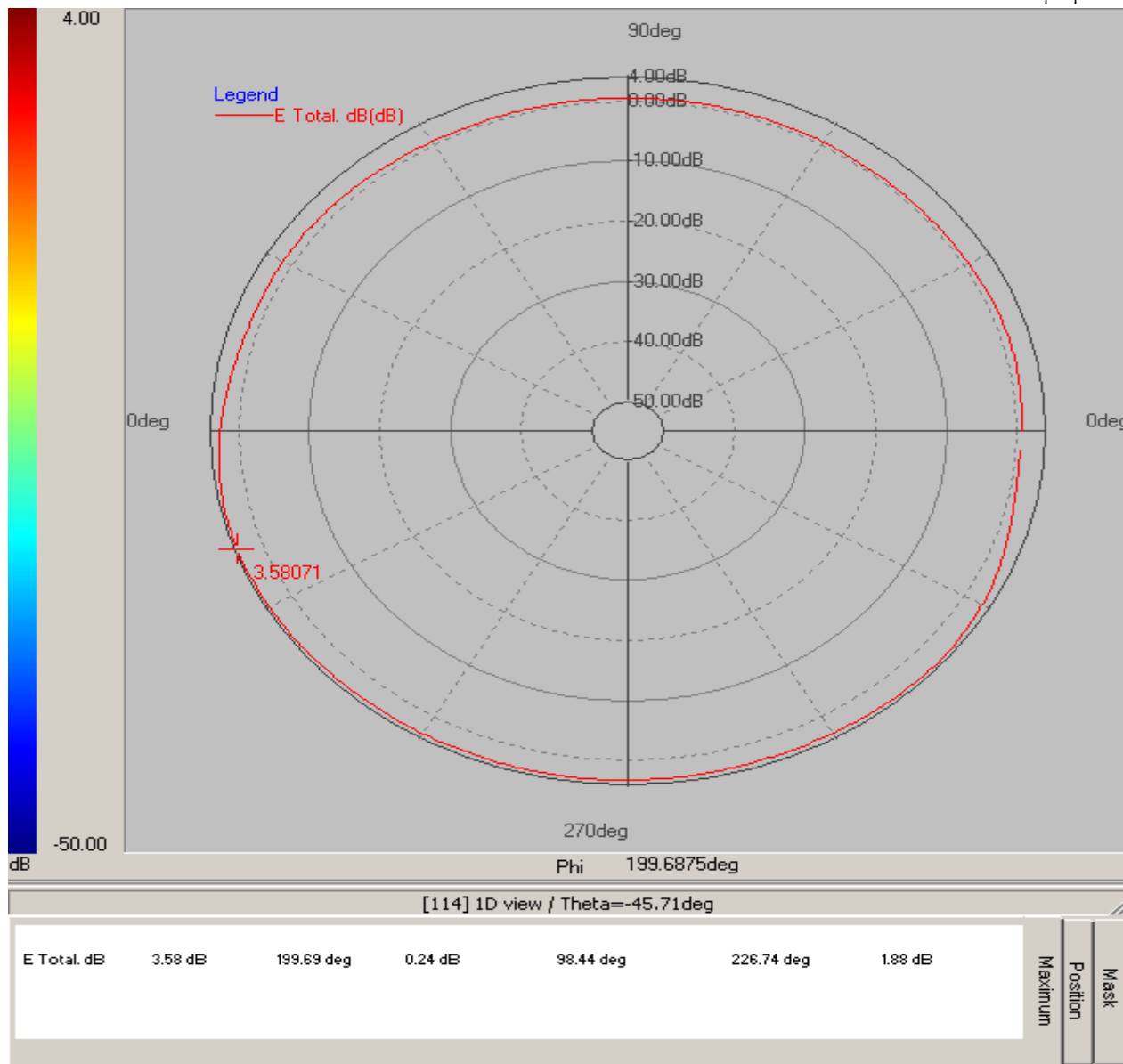
Brand / Model : 6603-2.4&5.8GHz

Remark : 5800MHz

Tested by : Brian

Date : 2009/01/12

Time : 下午 02 : 00



-- : Max. deg

*Unit : dBi

Frequency(MHz) : 5800.00

Pattern Field : H plane

Average Gain(dB) : 1.88dB

Maximum Gain(dB) : 3.58dB

Maximum Gain(degree) : 199.69

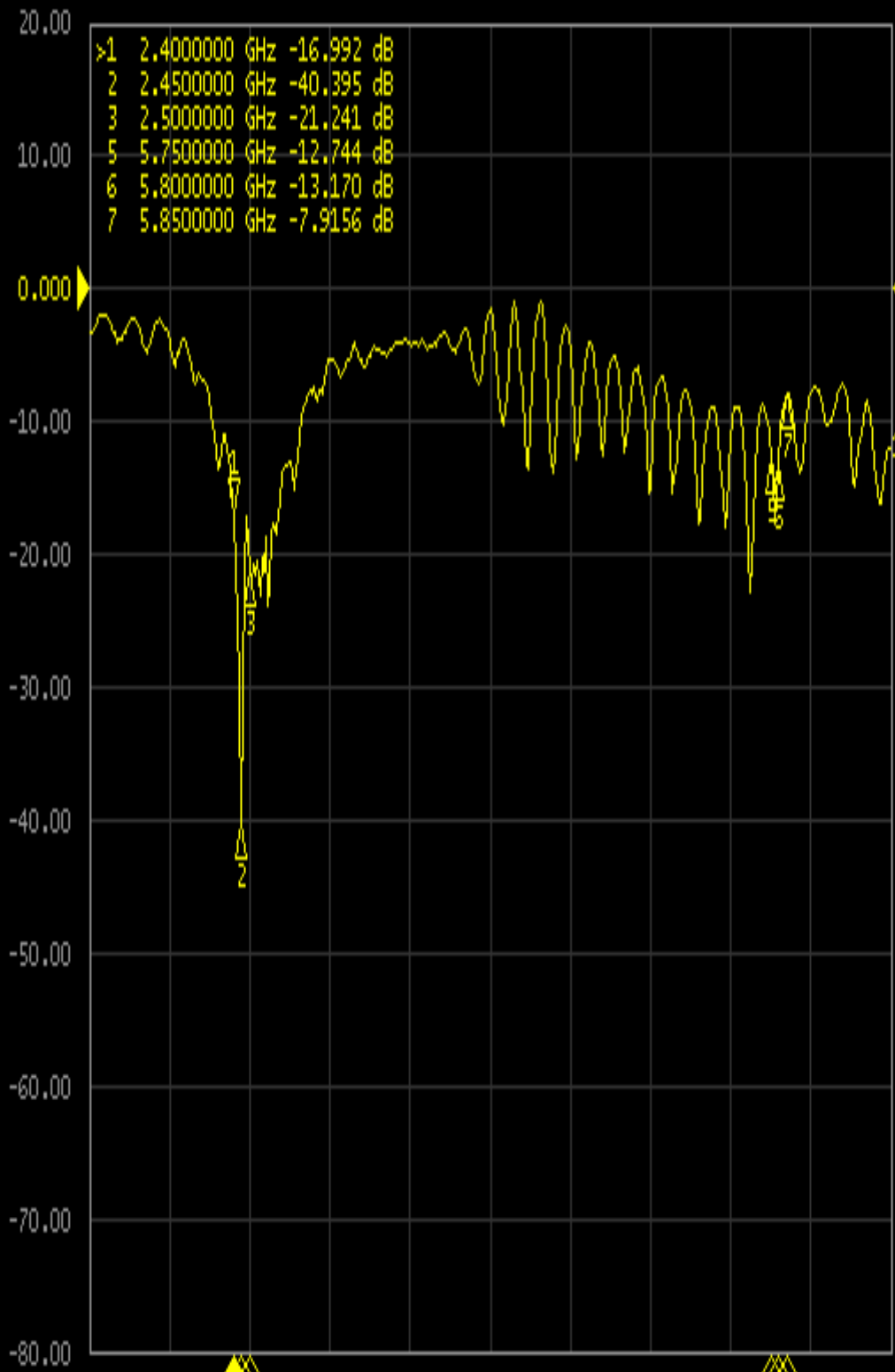
Minimum Gain(dB) : 0.24dB

Minimum Gain(degree) : 98.44

S11

1 Active Ch/Trace 2 Response 3 Stimulus 4 Mkr/Analysis 5 Instr State

► Tr1 S11 Log Mag 10.00dB/ Ref 0.000dB [R0]



Format

Log Mag



Log Mag

Phase

Group Delay

Smith

Polar

Lin Mag

SWR

Real

Imaginary



1 Start 1.5 GHz

IFBW 300 Hz

Stop 6.5 GHz

PEXt Cor

Meas

Stop

ExtRef

Ready

Svc

2009-01-13 09:00

VSWR

1 Active Ch/Trace 2 Response 3 Stimulus 4 Mkr/Analysis 5 Instr State

► Tr1 S11 SWR 1.000/ Ref 1.000 [R0]

>1	2.4000000	GHz	1.2969
2	2.4500000	GHz	1.0934
3	2.5000000	GHz	1.2609
5	5.7500000	GHz	1.6233
6	5.8000000	GHz	1.5366
7	5.8500000	GHz	2.3160



Format

SWR

Log Mag

Phase

Group Delay

Smith

Polar

Lin Mag

SWR

Real

Imaginary

1 Start 1.5 GHz

IFBW 300 Hz

Stop 6.5 GHz PEt Cor !

Meas

Stop

ExtRef

Ready

Svc

2009-01-13 09:01