

APPROVAL SHEET (RoHS)

CUSTOMER : _____
 CUSTOMER'S PART NO. : _____
 DESCRIPTION : METAL STAMPING ANTENNA ASSEMBLY
 PART NO. : MSA-4008-25GC1-A1
 DATE : _____
 AUTHORIZED BY : Yunwei Lin

	FULLY APPROVED	PARTIALLY APPROVED	REJECTED
SIGN			
SUGGESTION			

美磊科技股份有限公司

MAG. LAYERS SCIENTIFIC-TECHNICS CO., LTD
HEAD OFFICE / HSINCHU PLANT

No 18, Tz-Chiang Road, Hsin-Chu Industrial Park, Hsin-Chu, Taiwan

TEL: +886-3-5972488 FAX: +886-3-5972477

<http://www.maglayers.com.tw>

E-mail : info@maglayers.com.tw



MAG.LAYERS

Contents

Item	Description	Page
1.	Antenna Specification	3
2.	Mechanical Specification	4
3.	Test Report	5

Antenna Specification

ELECTRICAL PROPERTIES

- 1.1 Frequency Range..... 2.4~2.5GHz /4.9~5.9GHz
- 1.2 Impedance..... 50 Ohm Nominal
- 1.3 VSWR..... 2 (Max)
- 1.4 Return Loss..... -10dB (Max)
- 1.5 Radiation..... Directional
- 1.6 3D Peak Gain..... 2.98dBi(2.4~2.5GHz)
5.16dBi(4.9~5.9GHz)
- 1.7 Polarization.....Linear Vertical
- 1.8 Admitted Power.....1W

PHYSICAL PROPERTIES

- 2.1 Antenna Material..... SUS430 鍍鎳
- 2.2 Operating Temp..... -20°C ~ +65°C
- 2.3 Storage Temp..... -30°C ~ +75°C



Mechanical Specification

RoHS COMPLIANT

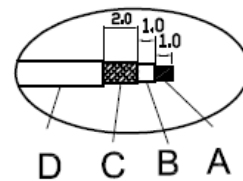
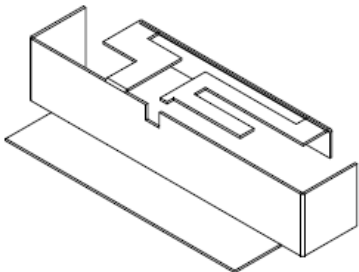
MECHANICAL

Body : SUS 430(鍍鎳) T=0.3mm

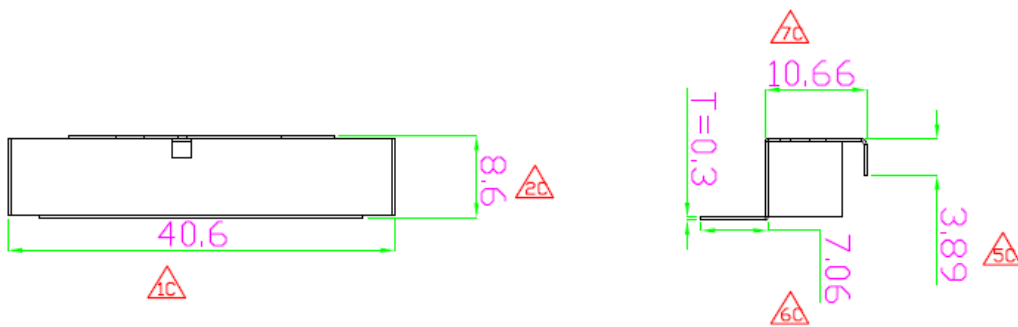
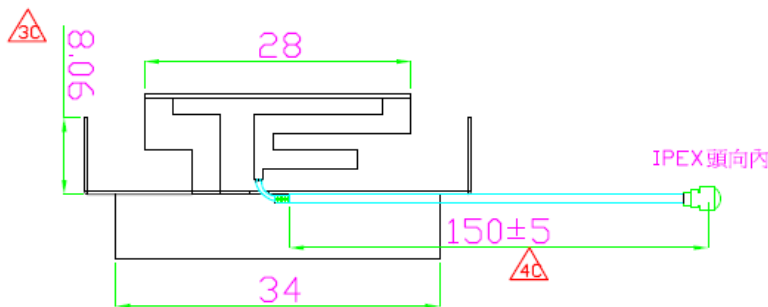
ELECTRICAL

Frequency : 2.4/5GHz

Cable : Coaxial Cable ϕ 1.13(Black)



A - center conductor
 B - Dielectric
 C - Outer conductor
 D - Jacket



※凡標記 \triangle 記號者, 為品管檢驗之尺寸

設計 DR. Fchou 2010/10/15	核准 APPD. Marco 2010/10/15	容許公差 TOLERANCE .XXX ±0.1 .XX ±0.5 .X ±1.0 X ±3.0 ANG ±5	品名 ARTICLE MSA-4008-25GC1-A1
版本說明 REVISION NOTE			
MAGLAYERS			單位 UNIT mm
			比例 SCALE ****
			張數 SHEET 1
			版本 REV. A



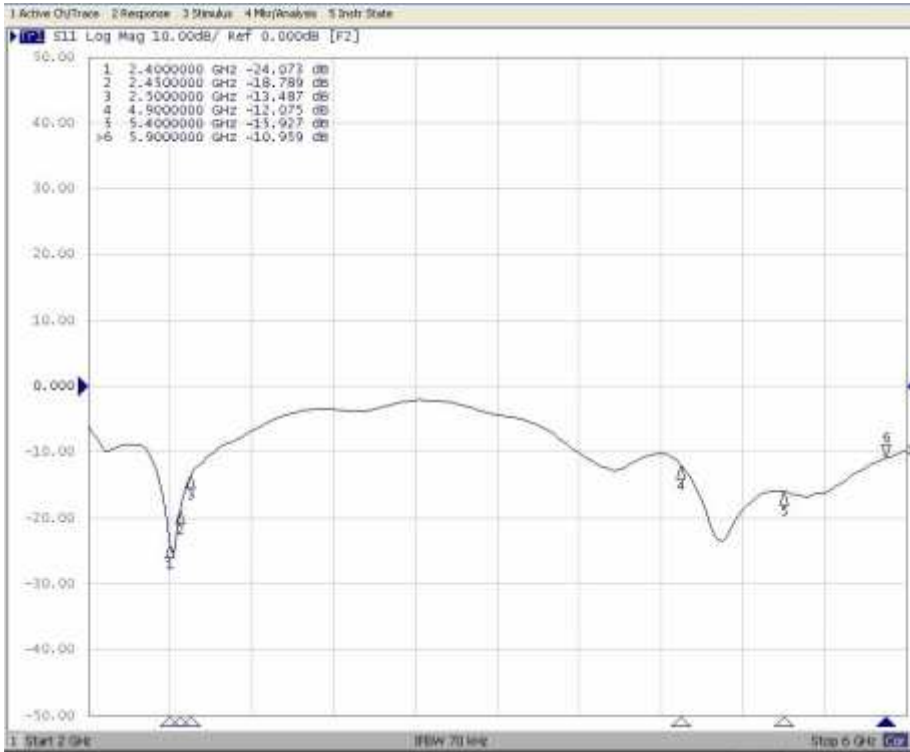
Test Report

ELECTRICAL CHARACTERISTICS

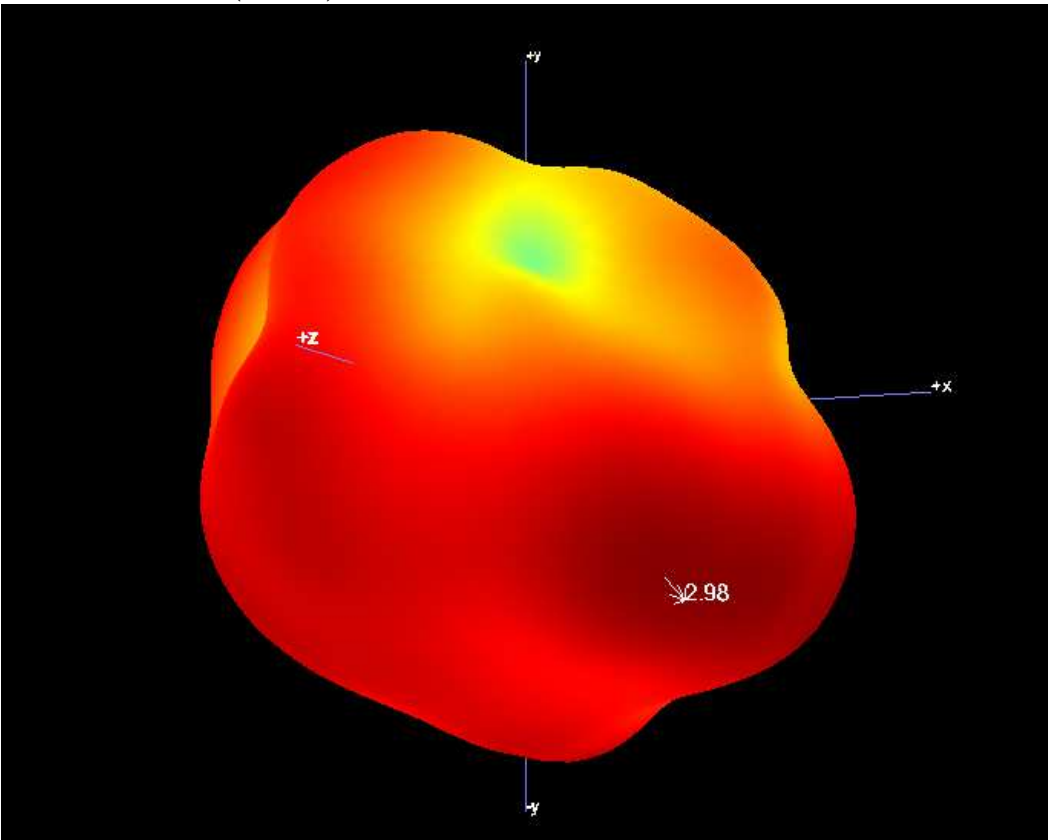
P/NO: MSA-4008-25GC1-A1

Spec: 2.4~2.5GHz / 4.9~5.9GHz

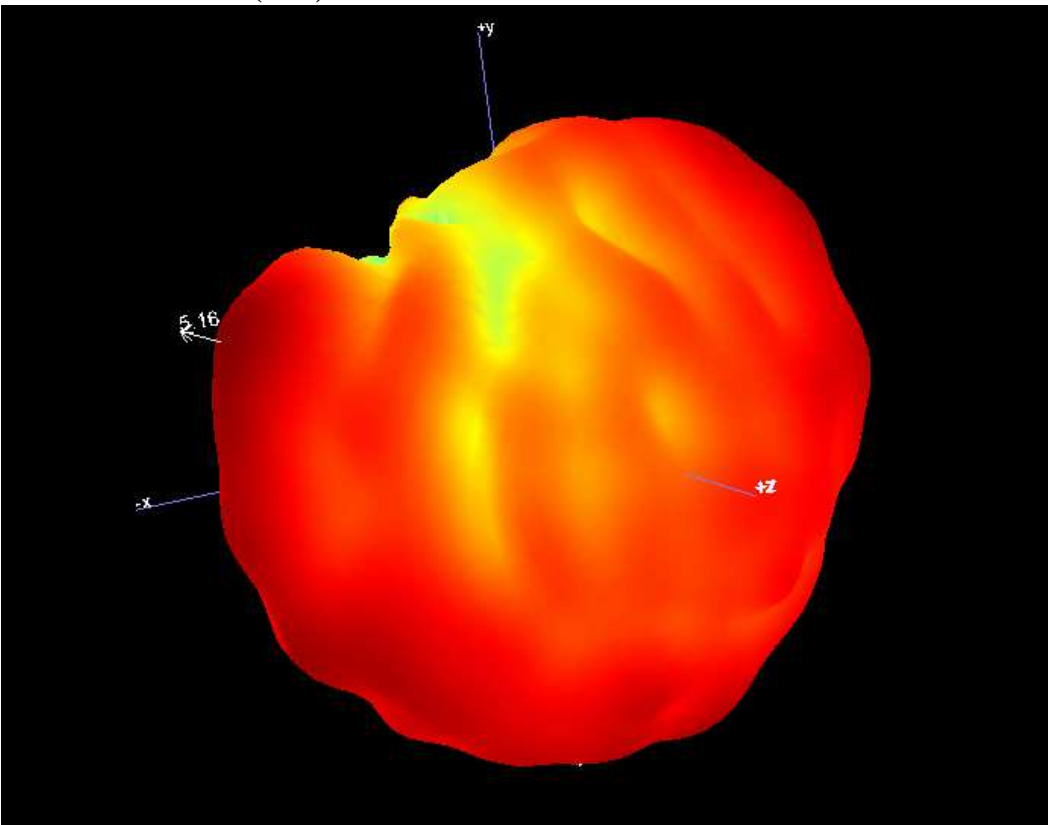
S11



3D Pattern (2.4G)



3D Pattern (5G)



Peak Gain	2.4GHz~2.5GHz	4.9GHz~5.9GHz
	2.98 dBi	5.16 dBi