

APPROVAL SHEET

(RoHS)

CUSTOMER : 海華科技股份有限公司

CUSTOMER'S PART NO. :

DESCRIPTION : METAL STAMPING ANTENNA ASSEMBLY

PART NO. : MSA-4008-25GC1-A2

DATE :

AUTHORIZED BY : *Alvin Chen*

	FULLY APPROVED	PARTIALLY APPROVED	REJECTED
SIGN			
SUGGESTION			

美磊科技股份有限公司

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Revisions

[illegible]

PRODUCT IDENTIFICATION

M S A - **4 0 0 8** - **# # # x x** - **A 2** -

① ② ③ ④ ⑤

- ① **Product Code**
- ② **Dimension Code**
- ③ **Series Type (### represents center frequency and xx represents material type)**
- ④ **Design Code**
- ⑤ **Inner Control Code**



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Mechanical Specification

RoHS COMPLIANT

MECHANICAL

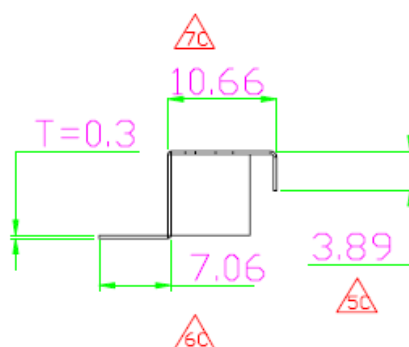
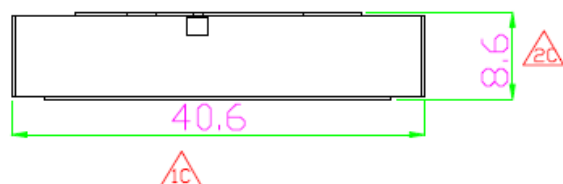
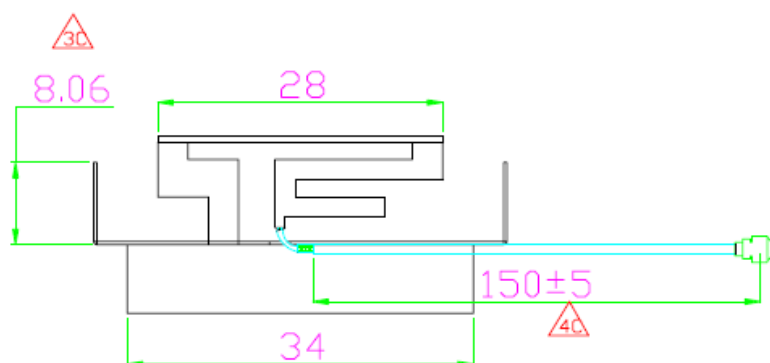
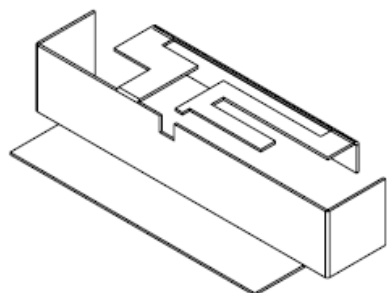
Body : SUS 430(鍍鎳) T=0.3mm

Cable : Coaxial Cable ϕ 1.13(Black)

Connector : IPEX-4 Compatible

ELECTRICAL

Frequency : 2.4/5GHz



※凡標記△記號者,為品管檢驗之尺寸

設計 DR. Fchou 2016/05/24	核准 APPD. Alvin 2016/05/24	容許公差 .XXX ±0.1 .XX ±0.5 .X ±1.0 X ±3.0 ANG ±5	TOLERANCE	品名 ARTICLE MSA-4008-25GC1-A2
版本說明	REVISION NOTE			
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單位 UNIT mm	比例 SCALE ****	張數 SHEET 1	版本 REV. A	



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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 Cable..... Coaxial Cable ψ 1.13(Black)
- 2.3 Connector..... IPEX-4 Compatible
- 2.4 Operating Temp..... -20°C ~ +65°C
- 2.5 Storage Temp..... -30°C ~ +75°C



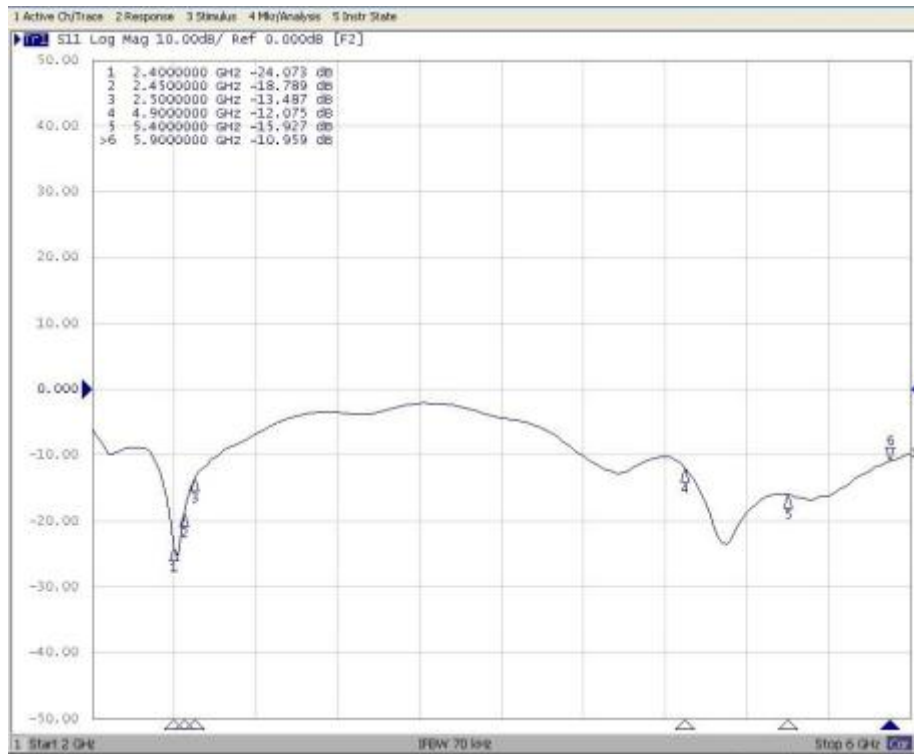
Test Report

ELECTRICAL CHARACTERISTICS

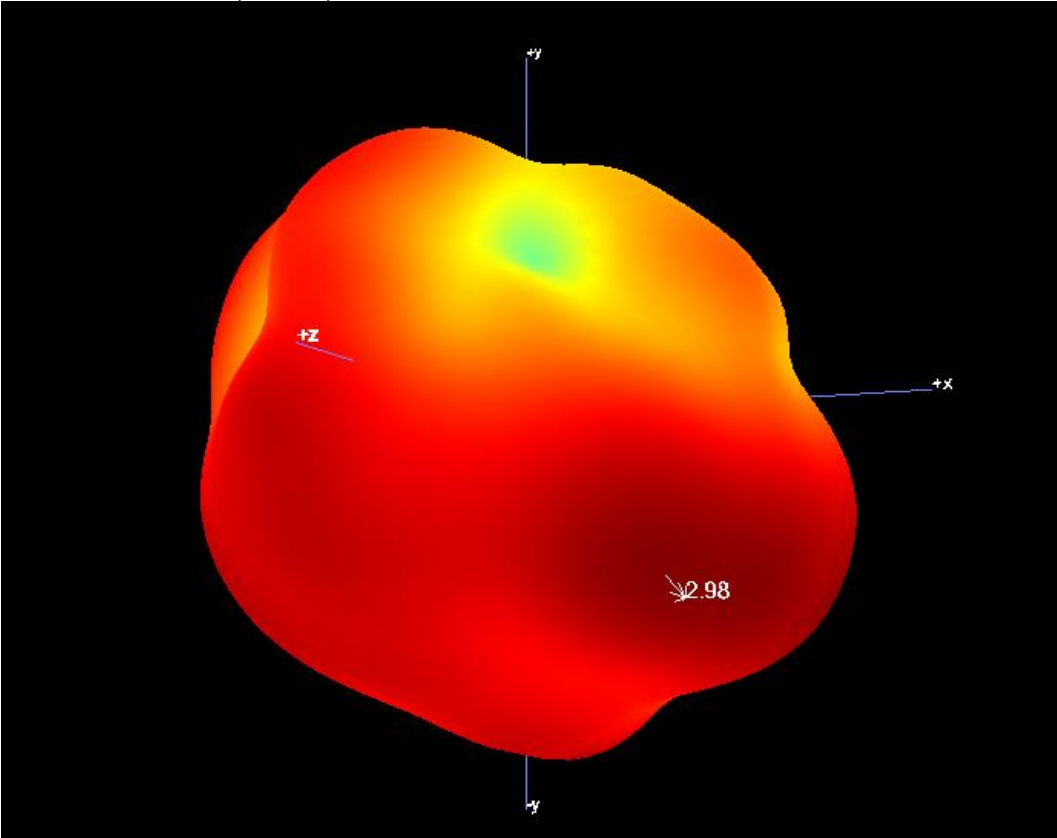
P/NO: MSA-4008-25GC1-A2

Spec: 2.4~2.5GHz / 4.9~5.9GHz

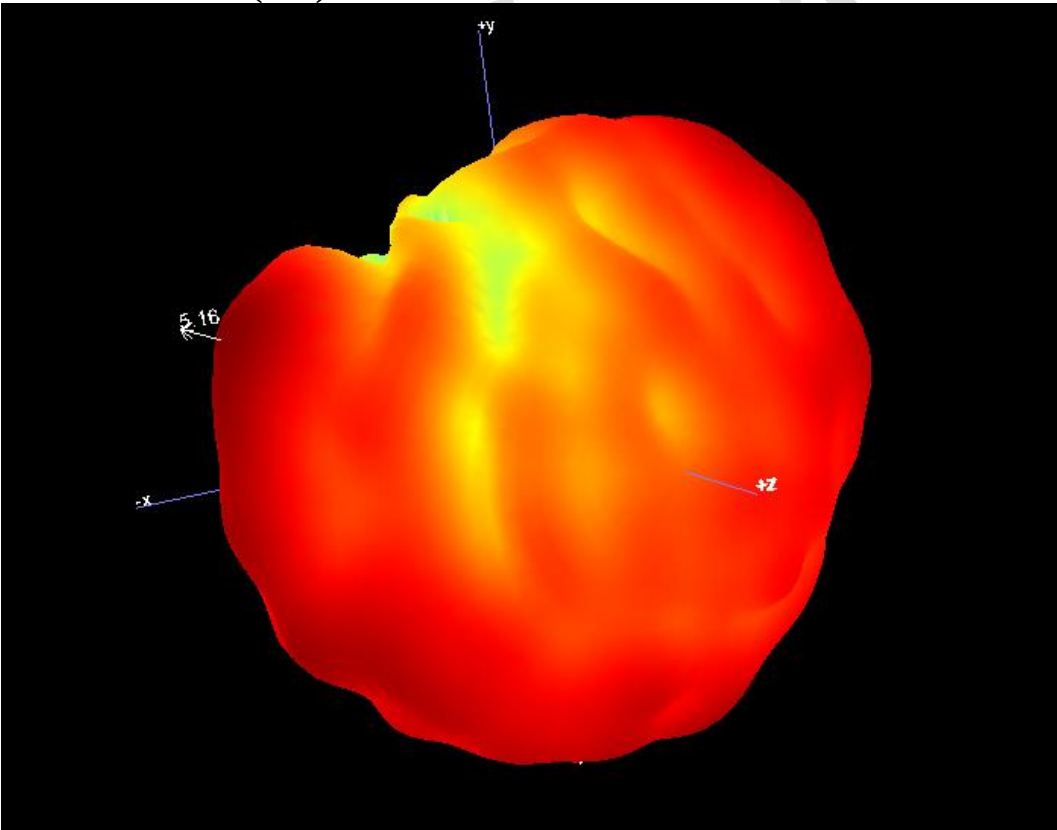
S11



3D Pattern (2.4G)



3D Pattern (5G)



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