

DAM-L8-B-N0-000-03-03 for 2.4GHz Antenna

1. Explanation of Part Number

DAM - L8 - B - N0 - 000 - 03 - 03
 (1) (2) (3) (4) (5) (6) (7)

- (1) Product type : DAM-Dipole Antenna Module
 (2) Appearance Series : A1
 (3) Frequency : B =2.4G
 (4) Coaxial Cable Specification : NO Cable
 (5) Coaxial Cable Length : 000=no Length
 (6) Connector Types :03= SMA connector
 (7) Suffix for special requirements : 03= SMA **CU (black)**
 ※ RoHS Compliant

2. Electrical properties:

Item	Property
Frequency Range	2.4~2.5GHz
Impedance	50 Ω (Typ.)
VSWR	2.0 max.
Return Loss	-10 dB max.
Peak Gain	2.0 dBi (Typ.)

Figure 1. VSWR

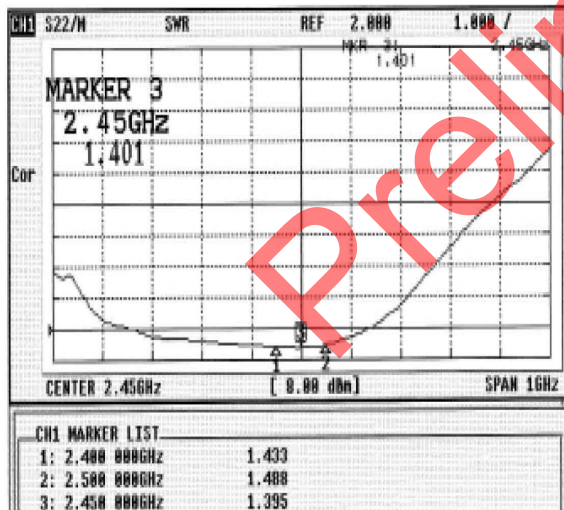
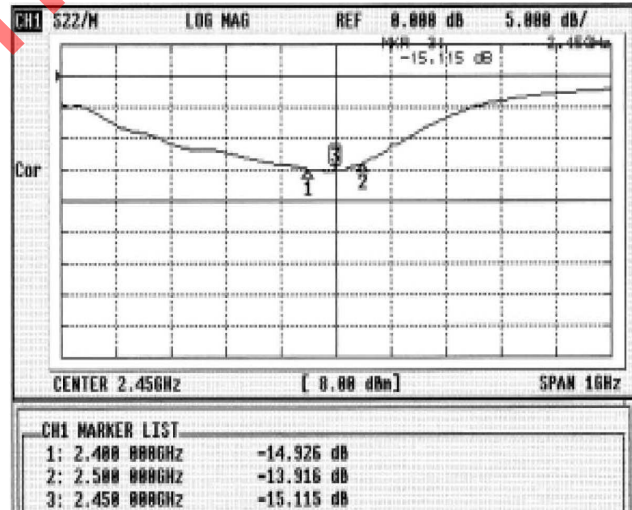


Figure 2. Return Loss



UNLESS OTHER SPECIFIED TOLERANCES ON :
 X=N/R X.X=N/R X.XX =N/R
 ANGLES=N/R HOLEDIA=N/R

SCALE : N/R

UNIT : mm

DRAWN BY : 張嘉德

CHECKED BY : 楊奇峰

DESIGNED BY : 劉雯瑛

APPROVED BY : 陳智崑

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INPAQ TECHNOLOGY CO., LTD.

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DOCUMENT
NO.

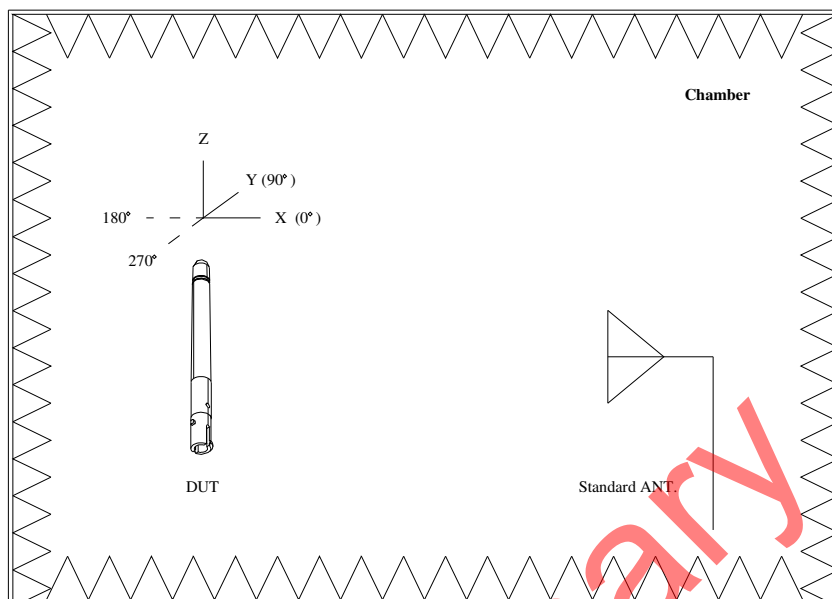
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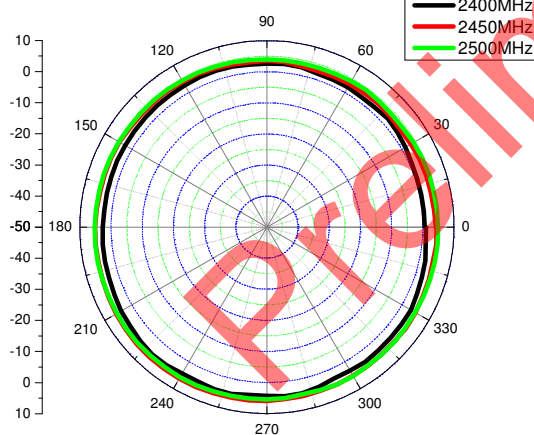
The Gain pattern was measuring in INPAQ's FAR-field chamber . DUT will be placed on the table of rotator , a standard horn antenna and Vector Network Analyzer was using to collected data.

(Please contact to INPAQ for more detail)

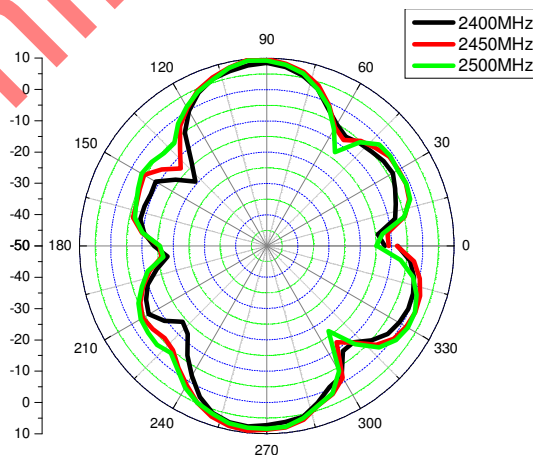
● Measuring factors definition



H-plane



E-plane



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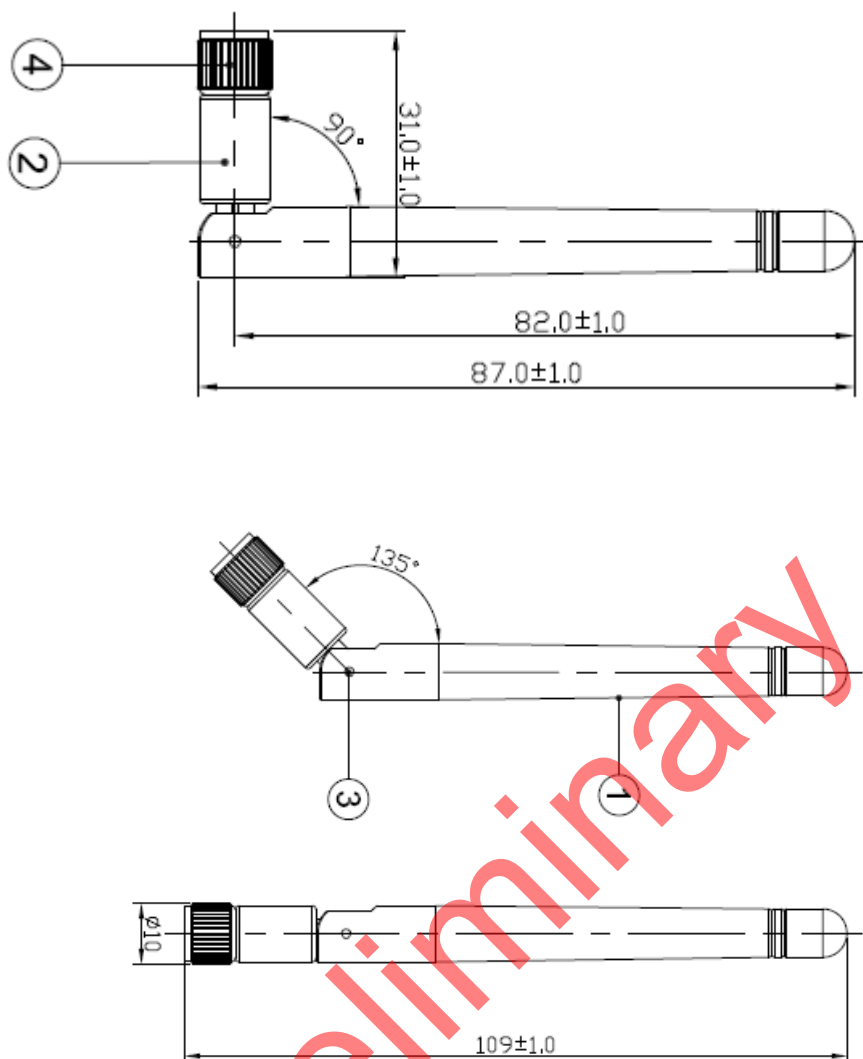
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3. Mechanical properties:



	Item	Property
1	本體	ABS Black
2	連接頭	ABS Black
3	定位柱	ABS Black
4	Connector	SMA CU (black) 公頭母針

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4. Environmental Characteristics:

No	Item	Test Condition	Specification
4-1	High Temperature/Humidity	1.Temperature : $+60\pm 2^{\circ}\text{C}$. 2.Humidity : 90~95% RH 3.Time : 24hrs	1. Normal functional test must be satisfied after the test. 2. No material deformation is allowed.
4-2	Low Temperature/Humidity	1.Temperature : $-20\pm 2^{\circ}\text{C}$. 2.Humidity : 0% RH 3.Time : 24hrs	
4-3	High Temperature/Humidity Storage	1.Temperature : $+80\pm 2^{\circ}\text{C}$. 2.Humidity : 90~95% RH 3.Time : 88hrs	
4-4	Low Temperature/Humidity Storage	1.Temperature : $-40\pm 2^{\circ}\text{C}$. 2.Humidity : 0% RH 3.Time : 28hr	
4-5	Temperature Cycle Operating Test	1.Temperature : $-40\sim +75^{\circ}\text{C}$ 2.Duration : ● 88 Hours, ● 45min/dwelling@ -40°C , ● 10°C per min./transition from -40°C to 75°C , ● 45min/dwelling@ 75°C ,	
4-6	Temperature Shock Test	1.Temperature : $-40\pm^{\circ}\text{C}\sim +85^{\circ}\text{C}$. 2.Time : 30 minutes/dwelling, 5 minutes/ transition, 24 cycles	

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