

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

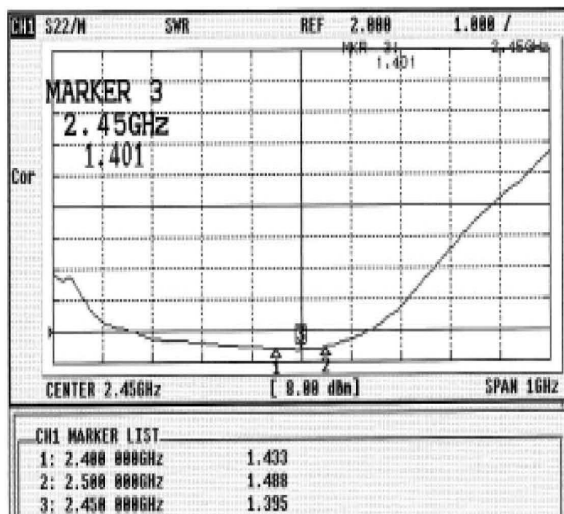
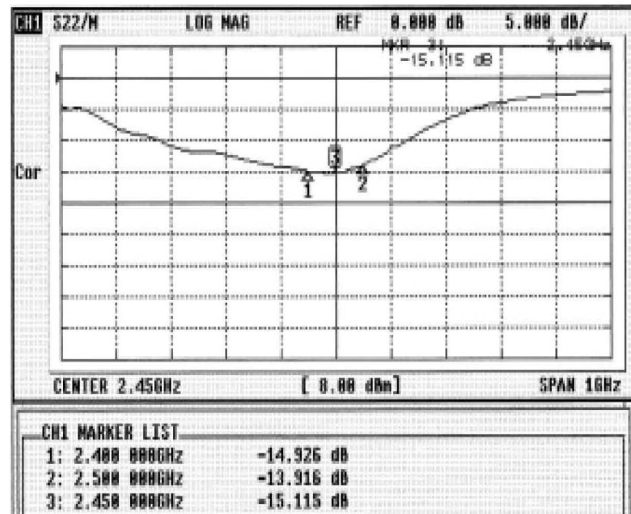


Figure 2. Return Loss



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



INPAQ TECHNOLOGY CO., LTD.

SCALE : N/R

UNIT : mm

DRAWN BY : 張嘉穗 April

CHECKED BY : 楊奇峰

DESIGNED BY : 劉雯瑛 clava

APPROVED BY : 陳智嵐

THIS DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF INPAQ TECHNOLOGY CO.,LTD.AND SHALL NOT BE REPRODUCED OR USED AS THE BASIS FOR THE MANUFACTURE OR SALE OF APPARATUS OR DEVICES WITHOUT PERMISSION

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

DOCUMENT NO.

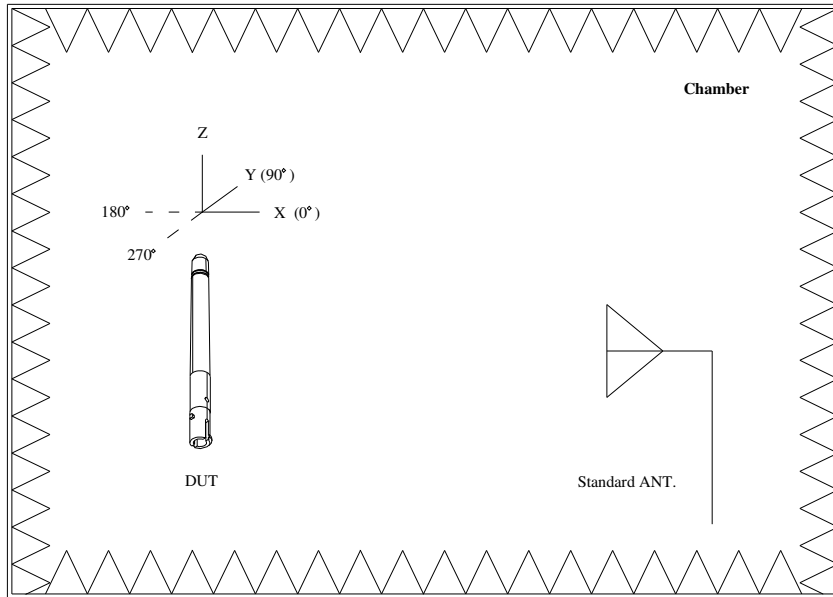
ENS000040990

SPEC REV.
A0

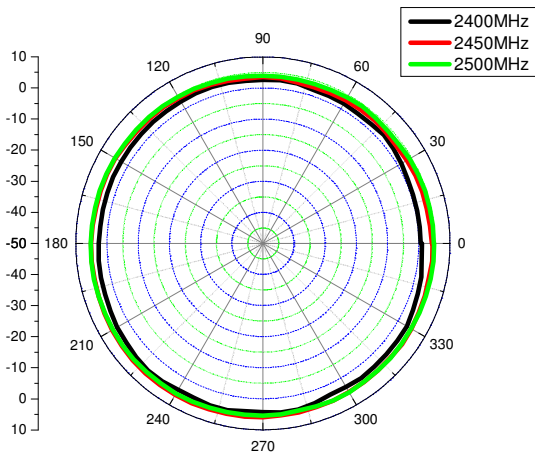
The Gain pattern was measuring in INPAQ's FAR-field chamber . DUT will be placed on the table of rotator , a standard horn antenna and Vector Network Analyzer was using to collected data.

(Please contact to INPAQ for more detail)

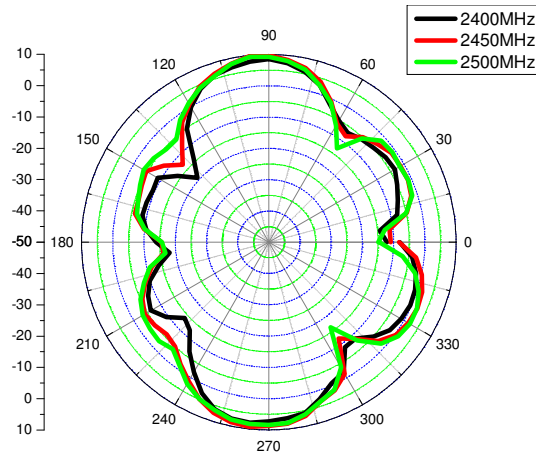
● Measuring factors definition



H-plane



E-plane



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



INPAQ TECHNOLOGY CO., LTD.

SCALE : N/R

UNIT : mm

DRAWN BY : 張嘉穗 April

CHECKED BY : 楊奇峰

DESIGNED BY : 劉雯瑛 clava

APPROVED BY : 陳智崑

THIS DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF INPAQ TECHNOLOGY CO.,LTD.AND SHALL NOT BE REPRODUCED OR USED AS THE BASIS FOR THE MANUFACTURE OR SALE OF APPARATUS OR DEVICES WITHOUT PERMISSION

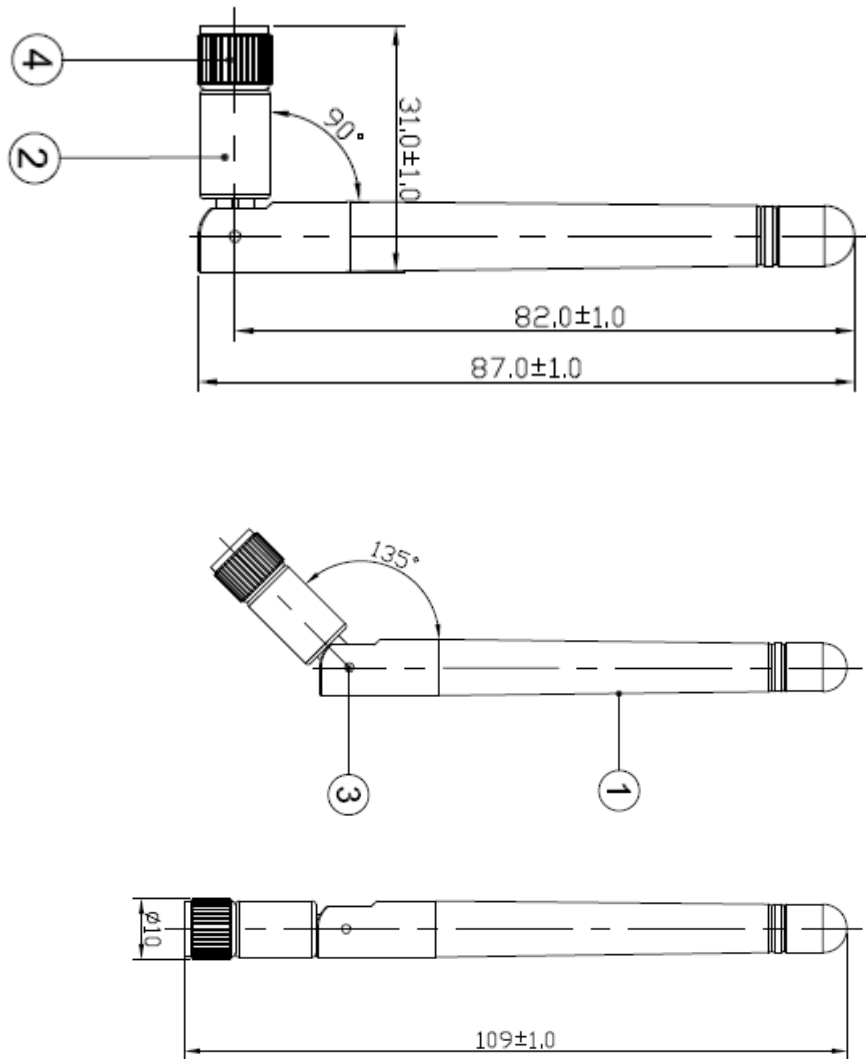
TITLE : DAM-L8-B-N0-000-03-03 for 2.4GHz Antenna

DOCUMENT NO.

ENS000040990

SPEC REV.
A0

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

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



INPAQ TECHNOLOGY CO., LTD.

SCALE : N/R

UNIT : mm

DRAWN BY : 張嘉穗 April

CHECKED BY : 楊奇峰

DESIGNED BY : 劉雯瑛 clava

APPROVED BY : 陳智威

THIS DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF INPAQ TECHNOLOGY CO.,LTD.AND SHALL NOT BE REPRODUCED OR USED AS THE BASIS FOR THE MANUFACTURE OR SALE OF APPARATUS OR DEVICES WITHOUT PERMISSION

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

DOCUMENT NO.

ENS000040990

SPEC REV.
A0

4. Environmental Characteristics:

No	Item	Test Condition	Specification
4-1	High Temperature/Humidity	1.Temperature : +60±2°C. 2.Humidity : 90~95u 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±2°C. 2.Humidity : 0u RH 3.Time : 24hrs	
4-3	High Temperature/Humidity Storage	1.Temperature : +80±2°C. 2.Humidity : 90~95u RH 3.Time : 88hrs	
4-4	Low Temperature/Humidity Storage	1.Temperature : -40±2°C. 2.Humidity : 0u RH 3.Time : 28hr	
4-5	Temperature Cycle Operating Test	1.Temperature : -40~+75°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±°C~+85°C. 2.Time : 30 minutes/dwelling, 5 minutes/ transition, 24 cycles	

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



INPAQ TECHNOLOGY CO., LTD.

SCALE : N/R

UNIT : mm

DRAWN BY : 張嘉穗 April

CHECKED BY : 楊奇峰

DESIGNED BY : 劉雯瑛 clava

APPROVED BY : 陳智嵐

THIS DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF INPAQ TECHNOLOGY CO.,LTD.AND SHALL NOT BE REPRODUCED OR USED AS THE BASIS FOR THE MANUFACTURE OR SALE OF APPARATUS OR DEVICES WITHOUT PERMISSION

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

DOCUMENT NO.

ENS000040990

SPEC REV.
A0