

2.4GHz A0 Type Antenna for DAM00BM10580000

1. Explanation of Part Number

D	A	M	0	0	B	M	1	0	5	8	0	0	0	0
(1)	(2)	(3)	(4)	(5)	(6)	(7)								

(1) Product type : DAM

(2) Appearance Series : 00

(3) Frequency : B

(4) Coaxial Cable Specification : M1

(5) Coaxial Cable Length : 058

(6) Connector Types : 00

(7) Suffix for special requirements : 00

2. Electrical properties:

Item	Property
Frequency Range	2.4~2.4835 GHz
Impedance	50 Ω (Typ.)
VSWR (see Fig 1)	2.0 max.
Gain	2.0 dBi (Typ.)
Polarization	Vertical
Radiation pattern	Near omni-directional in the horizontal plane
Admitted power	1 W
Electrical wave	1/2 λ dipole



UNLESS OTHER SPECIFIED TOLERANCES ON :
X = ± 3 X.X = ± 0.5 X.XX = ± 0.05
ANGLES = $\pm$ HOLEDIA = $\pm$



佳邦科技股份有限公司
INPAQ TECHNOLOGY CO., LTD.

SCALE :

UNIT : mm

DRAWN BY : 張明貴 *George*

CHECKED BY: 陳秉宏

DESIGNED BY : 張明貴 *George*

APPROVED BY : 張啓隆

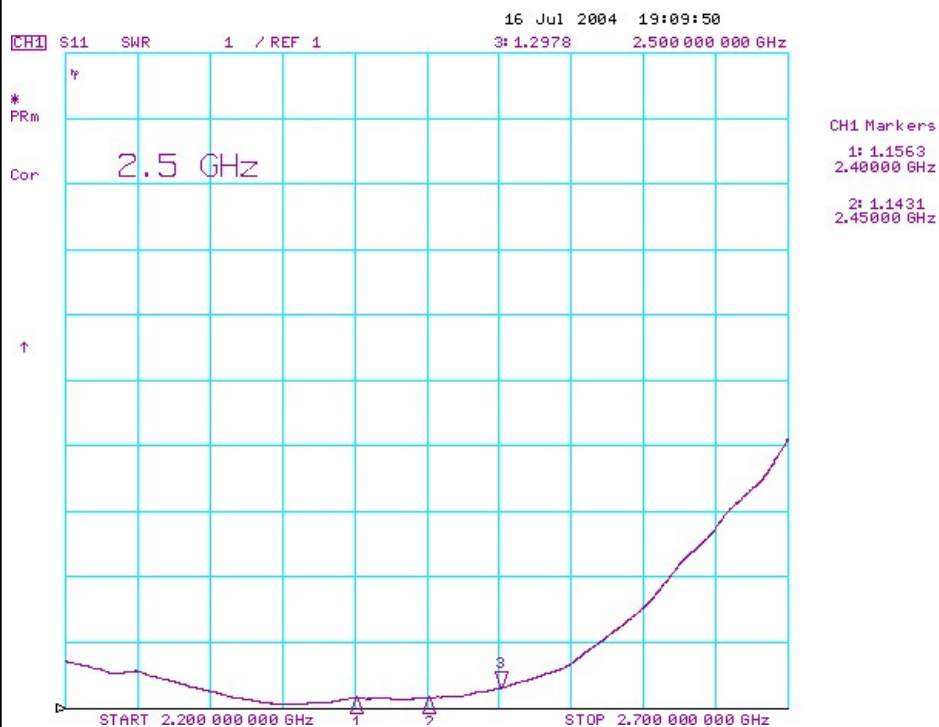
THIS DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF INPAQ TECHNOLOGY CO., LTD. AND SHALL NOT BE REPRODUCED OR USED AS THE BASIS FOR THE MANUFACTURE OR SALE OF APPARATUS OR DEVICES WITHOUT PERMISSION

TITLE : 2.4GHz A0 Type Antenna for
DAM00BM10580000

DOCUMENT
NO.

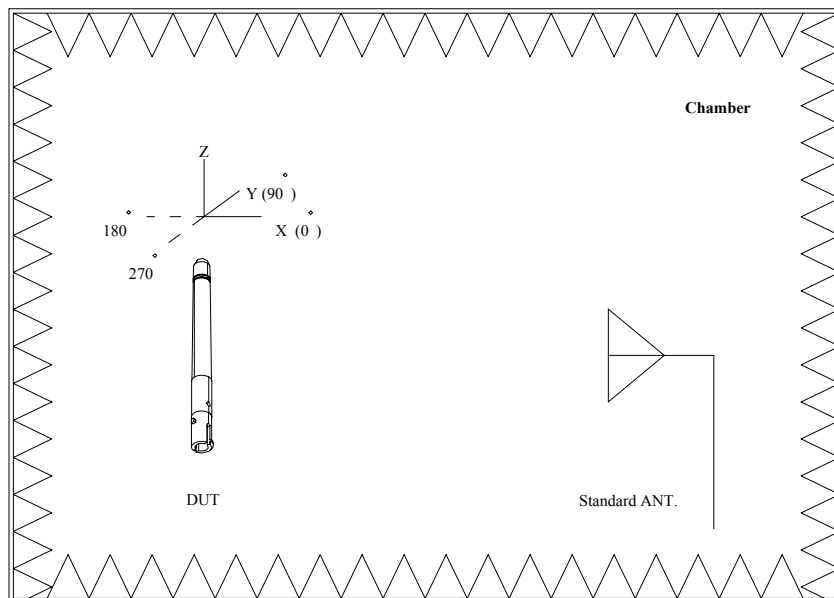
PAGE REV.
A0

Figure 1. VSWR



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



UNLESS OTHER SPECIFIED TOLERANCES ON :
X = ± 3 X.X = ± 0.5 X.XX = ± 0.05
ANGLES = $\pm$ HOLEDIA = $\pm$



佳邦科技股份有限公司
INPAQ TECHNOLOGY CO., LTD.

SCALE :

UNIT : mm

DRAWN BY : 張明貴 *George*

CHECKED BY: 陳秉宏

DESIGNED BY : 張明貴 *George*

APPROVED BY : 張啓隆

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 : 2.4GHz A0 Type Antenna for
DAM00BM10580000

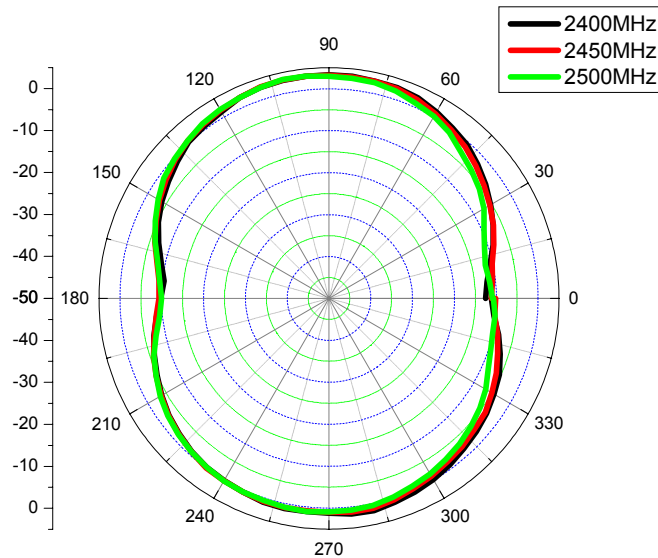
DOCUMENT
NO.

PAGE REV.
A0

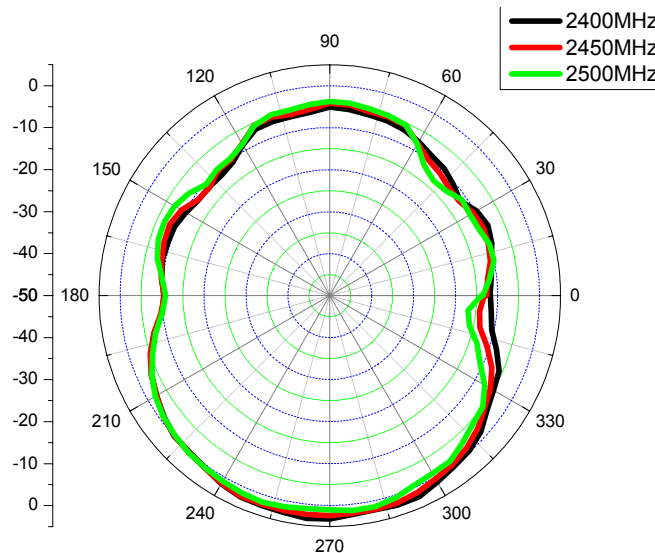
Data and Gain pattern

Frequency (MHz)	H-plane (Unit dBi)			E-plane (Unit dBi)		
	Max	Min	Average	Max	Min	Average
2400	3.32	-12.58	-0.84	3.31	-11.89	-2.62
2450	3.26	-11.17	-0.96	2.37	-14.09	-2.94
2500	3.33	-11.84	-1.26	1.72	-16.91	-3.53

H Plane



E1 Plane



UNLESS OTHER SPECIFIED TOLERANCES ON :

X = ± 3 X.X = ± 0.5 X.XX = ± 0.05

ANGLES = $\pm$ HOLEDIA = $\pm$

SCALE :

UNIT : mm

DRAWN BY : 張明貴 *George*

CHECKED BY: 陳秉宏

DESIGNED BY : 張明貴 *George*

APPROVED BY : 張啓隆

TITLE : 2.4GHz A0 Type Antenna for
DAM00BM10580000



佳邦科技股份有限公司

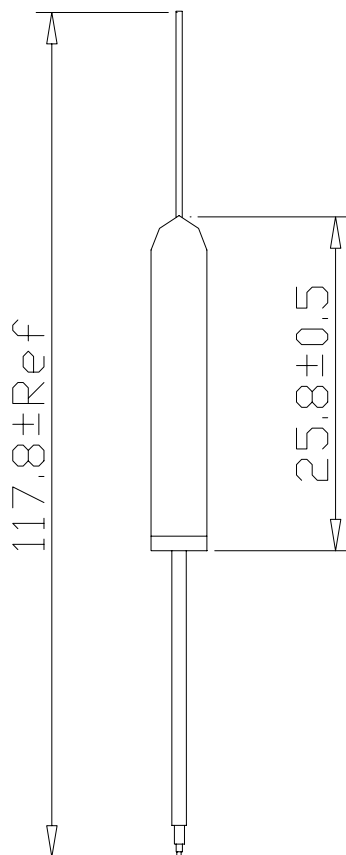
INPAQ TECHNOLOGY CO., LTD.

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

DOCUMENT
NO.

PAGE REV.
A0

2. Physical Dimension :



Unit : mm



UNLESS OTHER SPECIFIED TOLERANCES ON :

X = ± 3 X.X = ± 0.5 X.XX = ± 0.05

ANGLES = ± HOLEDIA = ±



佳邦科技股份有限公司
INPAQ TECHNOLOGY CO., LTD.

SCALE :

UNIT : mm

DRAWN BY : 張明貴 *George*

CHECKED BY: 陳秉宏

DESIGNED BY : 張明貴 *George*

APPROVED BY : 張啓隆

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 : 2.4GHz A0 Type Antenna for
DAM00BM10580000

DOCUMENT
NO.

PAGE REV.
A0