

2.4GHz A0 Type Antenna for DAM00BM10130000

1. Explanation of Part Number

D	A	M	0	0	B	M	1	0	1	3	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 : 013

(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 = $\pm$

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

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DAM00BM10130000



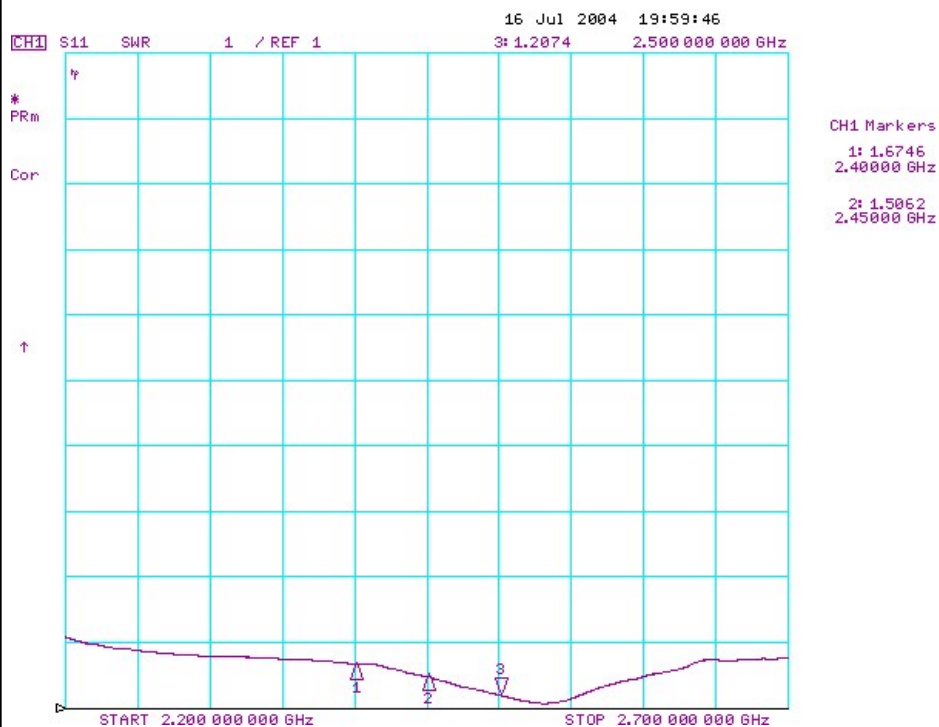
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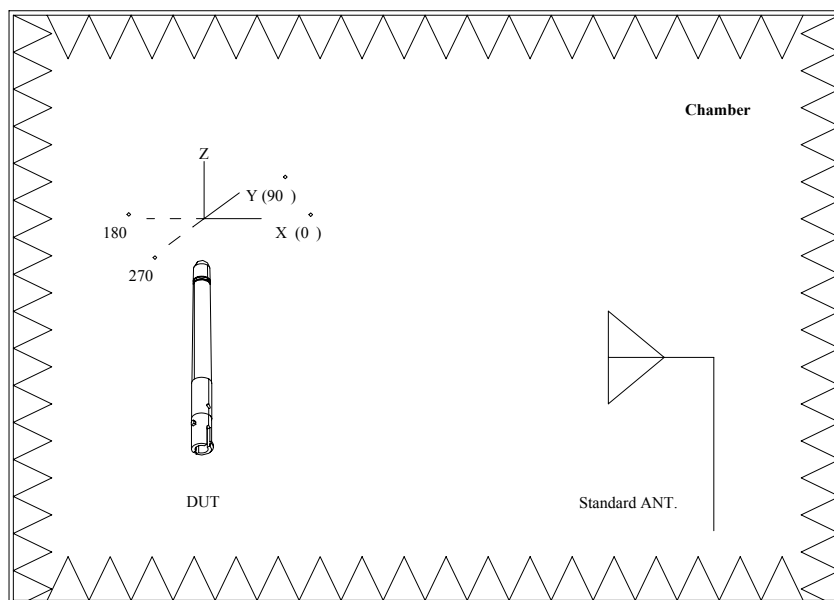
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Figure 1. VSWR



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



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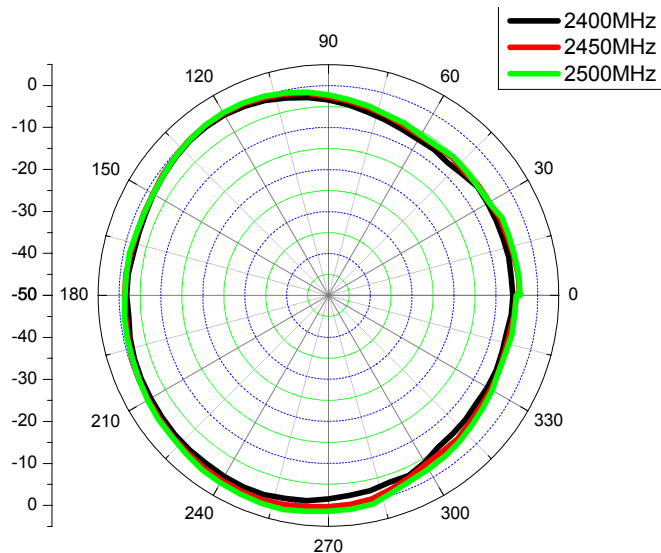
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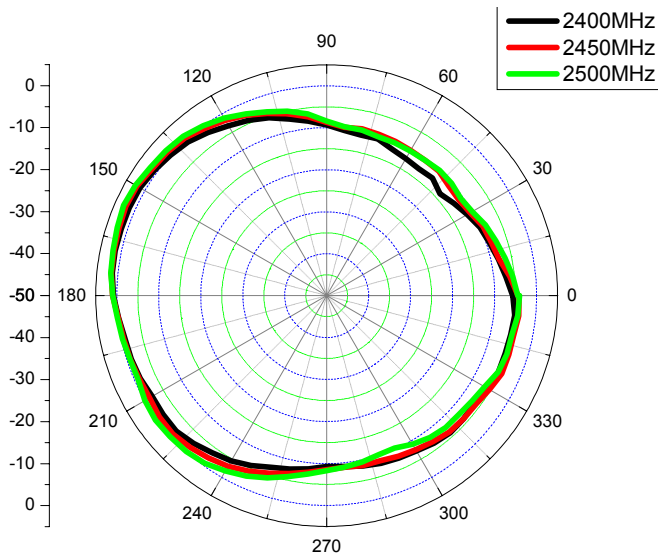
Data and Gain pattern

Frequency (MHz)	H-plane (Unit dBi)			E-plane (Unit dBi)		
	Max	Min	Average	Max	Min	Average
2400	-0.10	-7.45	-2.76	1.47	-13.76	-3.75
2450	1.18	-6.26	-1.88	2.34	-11.15	-3.01
2500	2.11	-6.02	-1.43	2.91	-10.60	-2.62

H Plane



E1 Plane



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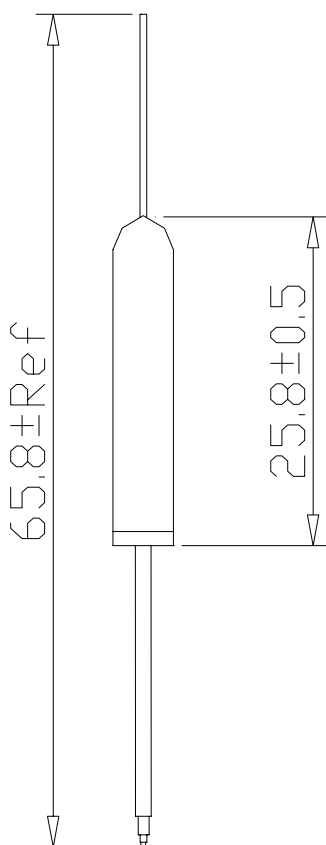
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2. Physical Dimension :



Unit : mm



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