

2.4GHz A0 Type Antenna for DAMA0BR11500200

1. Explanation of Part Number

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

(1) Product type : DAM

(2) Appearance Series : A0

(3) Frequency : B

(4) Coaxial Cable Specification : R1

(5) Coaxial Cable Length : 150

(6) Connector Types : 02

(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.
Return loss (see Fig 2)	-10 dB 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

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Figure 1. VSWR

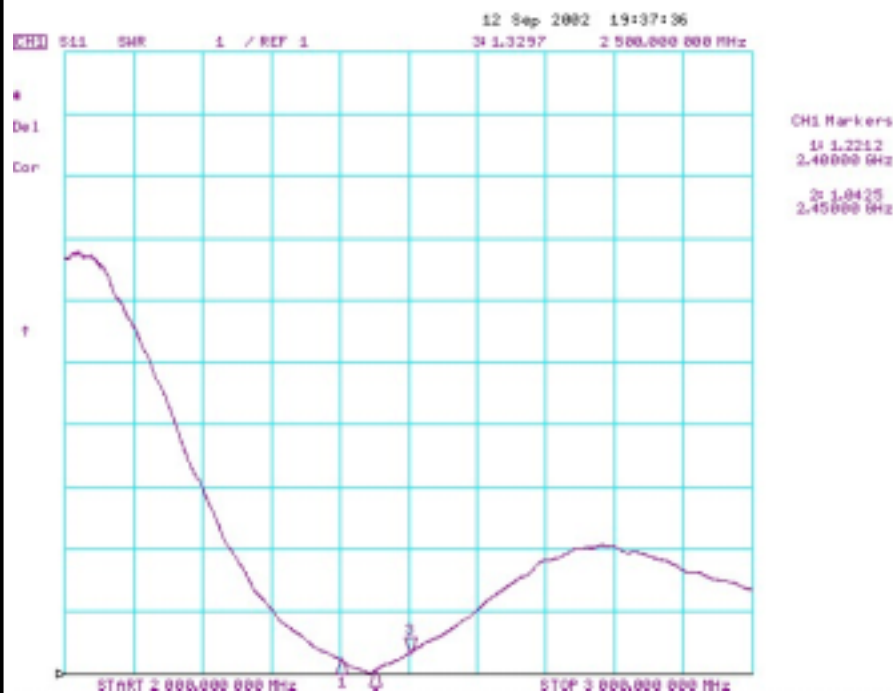
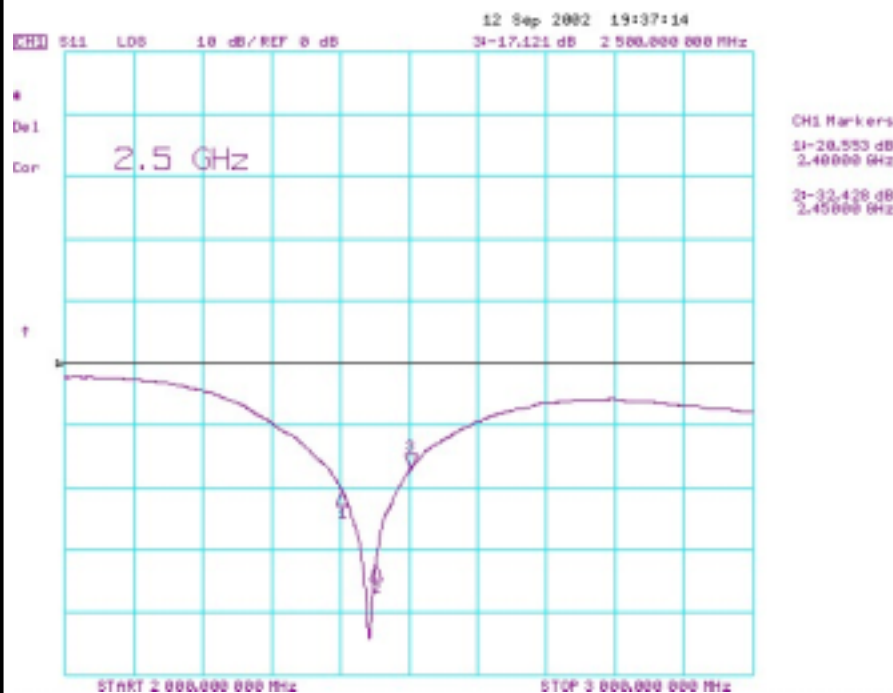


Figure 2. Return Loss



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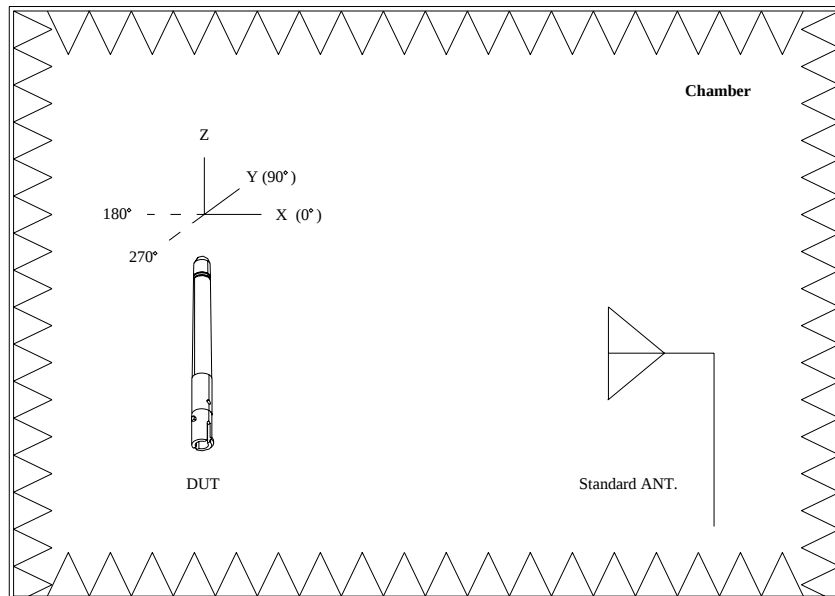
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Figure 3. Gain

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 :
 $X = \pm 3$ $X.X = \pm 0.5$ $X.XX = \pm 0.05$
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3. Mechanical properties:

Item	Property
Color	Black (Typ.)
Coaxial-Cable	Mini Coaxial 1.13
Plastic Cover	TPU or TPE
Antenna Base	PC
Fixed pin	BSBM (surface treatment)
Connector	Mini Coaxial Connector

Operating Temperature : -20~+65

Storage Temperature : -40~+80

4. Environmental Characteristics:

No	Item	Test Condition	Specification
4-1	High Temperature/Humidity Operating test	1.Temperature : +60±2 . 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 Operating test	1.Temperature : -20±2 . 2.Humidity : 0%RH 3.Time : 24hrs	
4-3	High Temperature/Humidity Storage	1.Temperature : +80±2 . 2.Humidity : 90~95%RH 3.Time : 88hrs	
4-4	Low Temperature/Humidity Storage	1.Temperature : -40±2 . 2.Humidity : 0%RH 3.Time : 28hr	
4-5	Temperature Cycle Operating Test	1.Temperature : -40~+75 2.Duration : ● 88 Hours, ● 45min/dwelling@ -40 , ● 10 per min./transition from -40 to 75 , ● 45min/dwelling@75 ,	
4-6	Temperature Shock Test	1.Temperature : -40± ~+85 . 2.Time : 30 minutes/dwelling, 5 minutes/ transition, 24 cycles	

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ANGLES = ± HOLEDIA = ±



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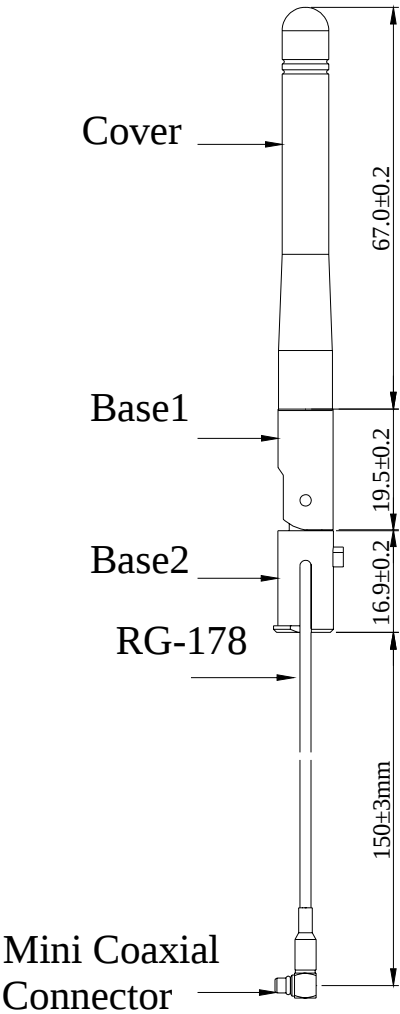
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4. Physical Dimension :



Unit : mm

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