

# *MESSRS.*

## SPECIFICATION FOR APPROVAL

### 承 認 書

Product	DYNAMIC RECEIVER
Part No.	AR-2316AA-0
Customer Approval	

Approved By	Checked By	Made By
工程部 王台平 JUN-28-2004	工程部 劉民祥 JUN-28-2004	工程部 許俊程 JUN-28-2004



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## AR-2316AA-0

ITEMS.		SPECIFICATIONS
01	Type	Dynamic receiver unit
02	Dimension.	External diameter 23 mm
03	Sensitivity (S.P.L)	117dB $\pm 3$ dB at 1kHz 180mV with IEC 318 coupler
04	Frequency Response.	Refer to frequency response chart.
05	Impedance.	16 Ohm $\pm 20\%$ at 1KHz
06	Magnet Field Intensity.	Axial – dB , Radial –dB at 1KHz
07	Nominal Input Power	30 mW
08	Max. Input Power.	Must be normal at a white noise , 40mW for 1 minute.
09	Weight.	3.8g $\pm 0.3$ g
10	Appearance.	Should not exist any obstacle to be harmful to normal operation: damages, cracks, rusts, and distortions, etc.
11	Buzz, Rattle, Etc.	Should not be audible at 0.69V sine wave between 300 Hz to 3.4 kHz.
12	Terminal Strength.	Capable of withstanding 1 kg load for 15 sec without resulting in any damage or rejection.
13	Load Test.	0.69V white noise (-filter) is applied for 72 hours satisfy the tests listed on item 03,04,09, and10

### ENVIRONMENTAL TEST.

Sensitivity difference shall be within  $\pm 3$  dB and should satisfy the listed on item03,04, 09 and 10, after each following test.

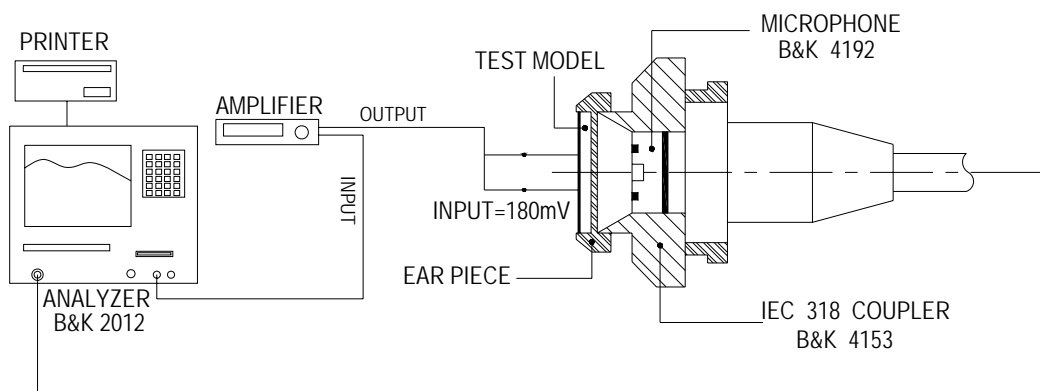
01	Thermal Cycle Test.	Low temperature: $-40^{\circ}\text{C} \pm 3^{\circ}\text{C}$ , temperature: $+70^{\circ}\text{C} \pm 3^{\circ}\text{C}$ , cycle: 6hour/cycles each, and then keep 2 hours in a room.
02	High Temp. Test.	Keep 96 hours at $+70^{\circ}\text{C} \pm 3^{\circ}\text{C}$ and leave 6 hours in normal temperature and then check.
03	Low Temp. Test.	Keep 96 hours at $-40^{\circ}\text{C} \pm 3^{\circ}\text{C}$ and leave 6 hours in normal temperature and then check.
04	Humidity Test	Keep 96 hours at $+40^{\circ}\text{C} \pm 3^{\circ}\text{C}$ and relative humidity 95% and leave 3 hours in normal temperature and then check.
05	Drop Test	Drop the handset mounted a unit onto a board 5mm thick 18 times from the height of 1m and them should satisfy the test listed on item 09 and 10.

# MEASUREMENT CONDITION.

Test and measurement will be carried out under normal condition of temperature within 5°C to 35°C, Relative humidity within 45% to 85% and air pressure of 860mbar to 1060mbar.

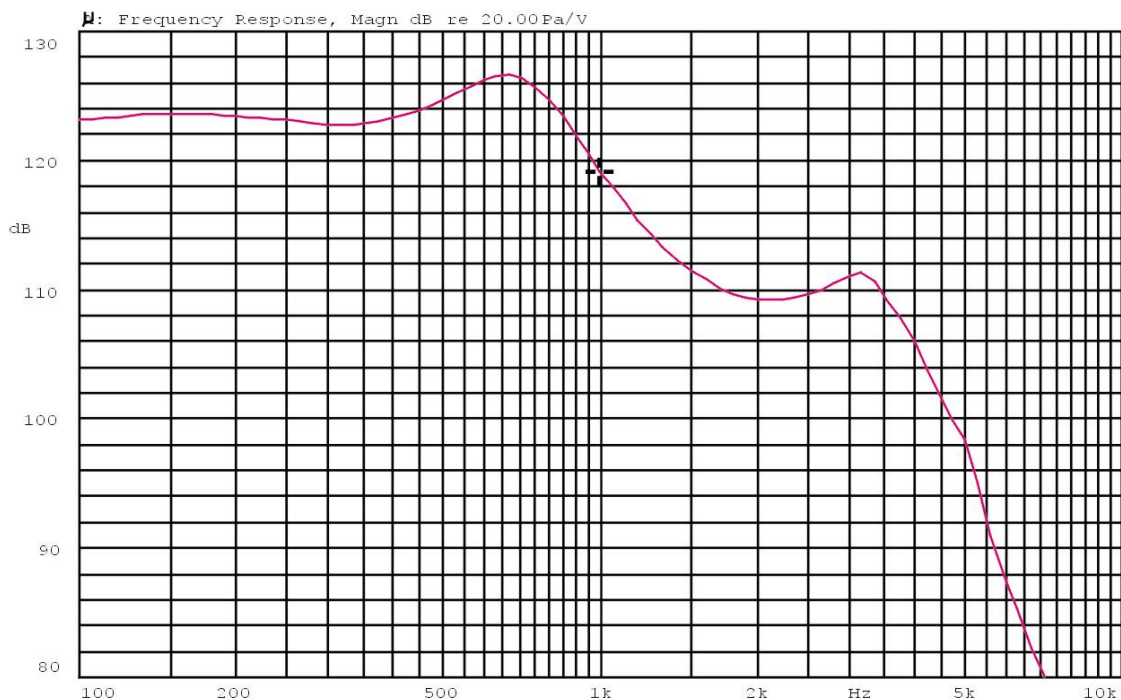
Should uncertainly arise in data obtained from the above atmosphere, control of temperature at 20°C ±2°C and relative humidity within 60% and 70%, With air pressure remaining unchanged, to be enforced.

- 1. Test signal. : 180mV
- 2. Sweep freq. Response. : Apply test signal varying logarithmical from 100Hz to 10kHz, 2 times for 0.5 second.
- 3. S.P.L (Sensitivity). : Read out average figure of S.P.L meter needle.
- 4. Freq. response curve. : Apply test signal and check response curve with frequency response recorder.



# FREQUENCY RESPONSE CURVE

AR-2316AA-0  
 X:1.0000kHz Y:119.15dB ZA:Live Curve SSR Fund.

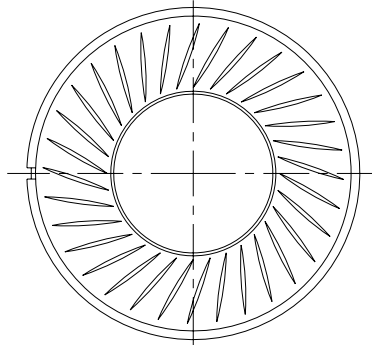
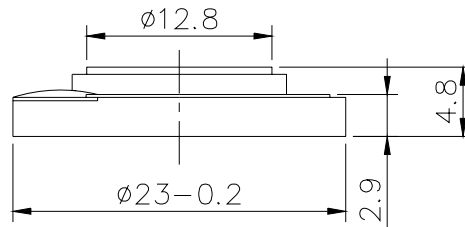
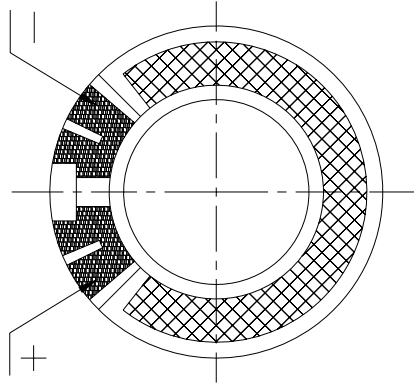


REV NO.

REVISION NOTE

APPROVAL

DATE



TITLE: RECEIVER		DRAWN: JOYEN 06/28/2004	SCALE: 2:1	SHEET: 1 of 1
PART NO. AR-2316AA-0	1	DESIGNED: R & D OF AAT	UNITS: mm	
DWG NO. DTR-1089		CHECKED:	TOLERANCE ± 0.2	
	REV	APPROVAL:	UNLESS OTHERWISE SPECIFIED:	
		MATERIAL: *****	ONE PLACE DECIMAL ± ***	
			TWO PLACE DECIMAL ± ***	
			THREE PLACE DECIMAL ± ***	



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