

**Dai-Ichi Group of Companies**  
**Corporate Engineering Department**  
**PRODUCT SPECIFICATION AND APPROVAL SHEET**

|                            |  |
|----------------------------|--|
| MODEL NAME : <b>HTW-25</b> | CUSTOMER : <b>WESCOM</b>                             |
| SERIAL NO :                | MANUFACTURER : <b>ADVANCED SOUND TECHNOLOGY INC.</b> |

| PARAMETERS                       | SPECIFICATIONS   |
|----------------------------------|--|
| 1.SPEAKER TYPE AND SIZE          | 25 PHI HORN TWEETER SA60W                                  |
| 2.MINIMAL IMPEDANCE              | 6 OHMS +/- 15%   |
| 3.RESONANACE FREQUENCY, Fb (LMS) | 1000Hz +/- 20%   |
| 4.SENSITIVITY                    | 90dB +/-3dB/1W @ 1M on 1000, 2000, 5000 AVE.               |
| 5.EFFECTIVE FREQUENCY BAND       | 1000Hz to 20kHz  |
| 6.INPUT POWER                    | Nominal : 25 Watts                      Maximum : 50 Watts |
| 7.MAGNET SIZE(MAIN)              | MAGNET FERRITE 70 X 32 X 15mm                              |
| 8.MAGNET SIZE(CANCEL)            | N/A  |
| 9.FLUX DENSITY                   | N/A  |
| 10.BUZZ,RATTLE TEST              | 5V, 4 W Sine Wave from 500Hz-20KHz                         |
| 11.OPERATION TEST*               | 5 V 4 W Program Source                                     |
| 12.AGEING TEST*                  | 4 V up to 8 hours using EIA RS426A                         |
| 13.HEAT TEST*                    | 70 +/-2 deg C, 20 to 50% Humidity for 24 Hours             |
| 14.HUMIDITY TEST*                | 40 +/-2 deg C, 90 to 95% Humidity for 24 Hours             |
| 15.TEMPERATURE CYCLING TEST*     | (-)20 degC to 70 deg C, 2 Hrs/cycle( C ) for 5 cycles      |
| 16.FREQUENCY RESPONSE GRAPH      | See Attached Graph   |
| 17. IMPEDANCE                    | N/A  |
| 18. TSL PARAMETERS               | N/A  |

Number of Speakers Tested  piece/s

| ITEM / PARAMETERS                 | ACTUAL TEST RESULT |     |    |    |    |    |    |    |    |    |    |    |
|-----------------------------------|--------------------|-----|----|----|----|----|----|----|----|----|----|----|
|                                   | O1                 | O2  | O3 | O4 | O5 | O6 | O7 | O8 | O9 | 10 | 11 | 12 |
| MINIMAL IMPEDANCE, Zmin,Ohms      | 5.8                | 5.8 |    |    |    |    |    |    |    |    |    |    |
| RESONANCE FREQUENCY 50Hz +/- 20Hz | 1060               | 990 |    |    |    |    |    |    |    |    |    |    |
| SENSITIVITY SPL 90 dB 1W @ 1M     | 92                 | 92  |    |    |    |    |    |    |    |    |    |    |

\* Test is passed if system meets specifications 3,4,10 after 2 hours in normal room conditions.

**CUSTOMER'S APPROVAL**

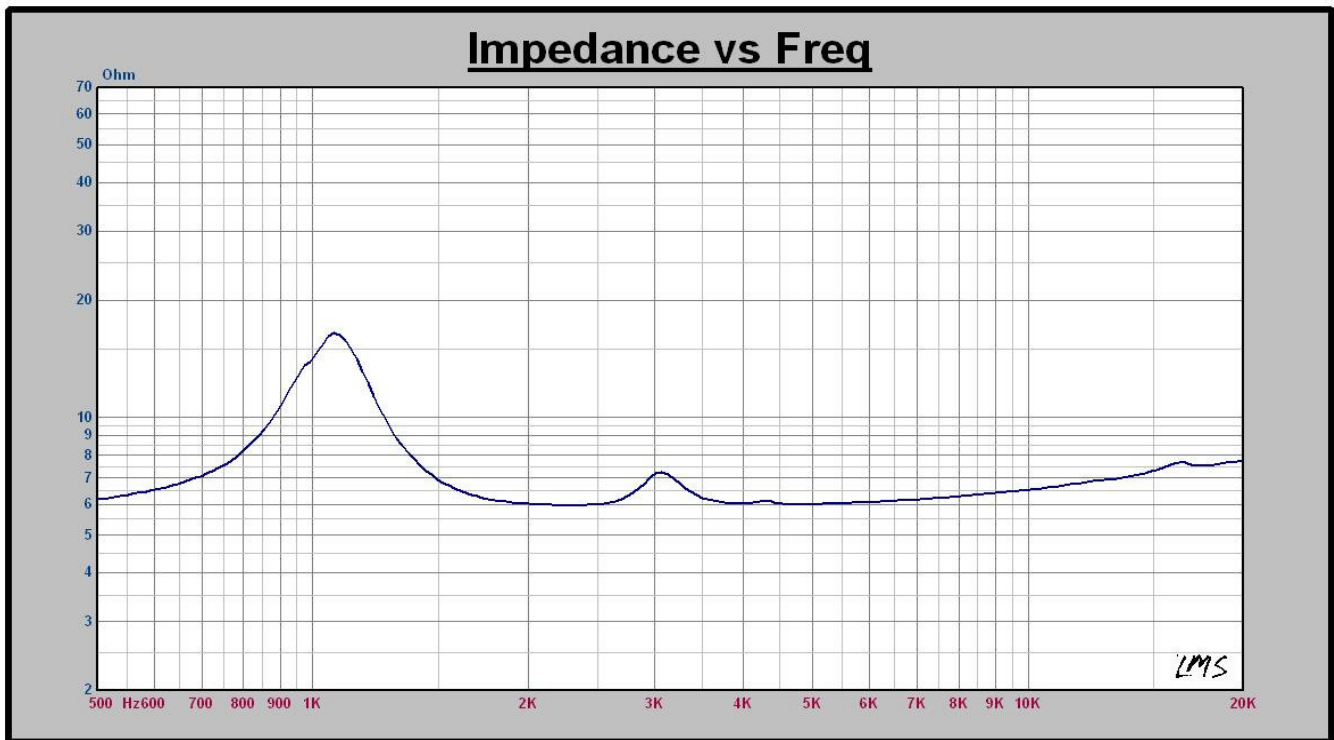
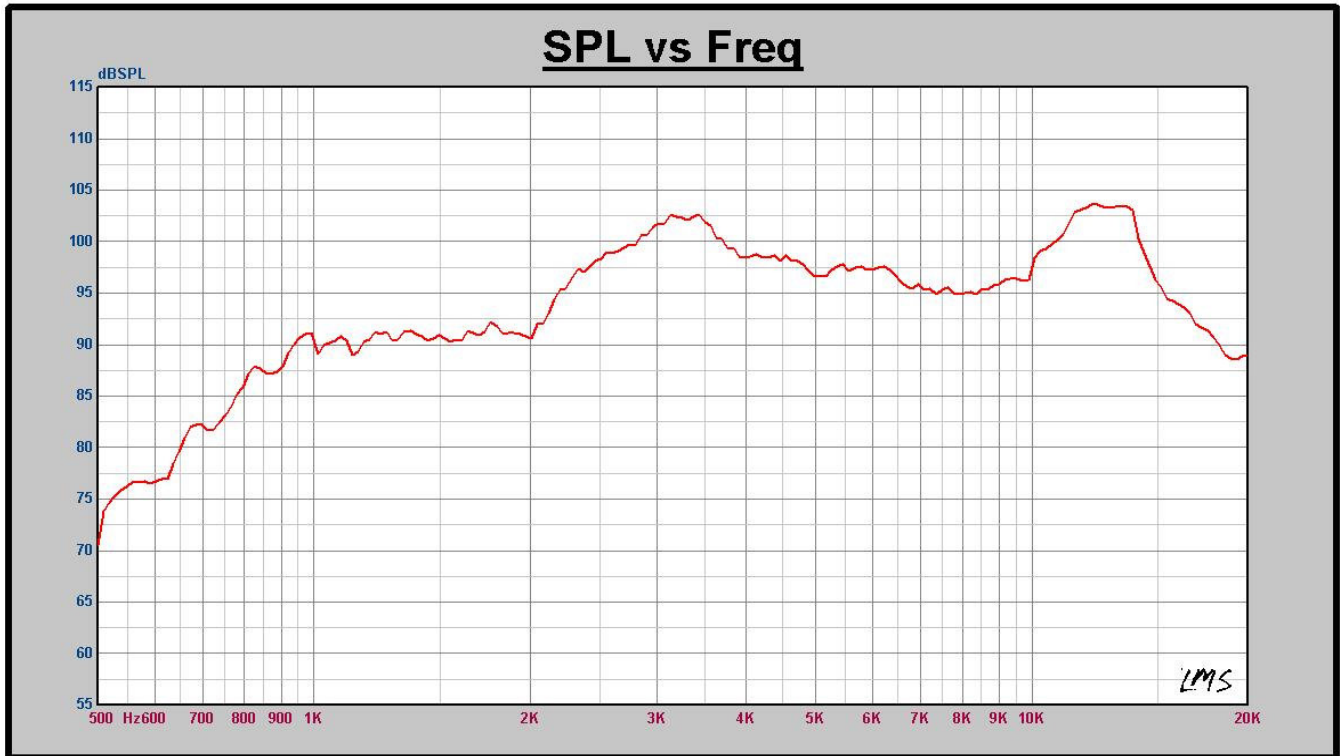
**APPROVED BY:**

**DATE:**

**PLEASE AFFIX YOUR SIGNATURE AND SEND BACK TO FAX#: 632-645-6633/632-681-5320**

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| Prepared by :<br><br><b>Mr. Edward Viña</b> |  | Approved by :<br><br><b>Mr. Neil Lim</b><br><br>CED - Manager |
|---|--|---|

FIG. 1: FREQUENCY VS.SPL



# HTW25

