

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

MODEL NAME : <b>W8S-50</b>	CUSTOMER : <b>WESCOM</b>
SERIAL NO :	MANUFACTURER : <b>ADVANCED SOUND TECHNOLOGY INC.</b>

PARAMETERS	SPECIFICATIONS
1.SPEAKER TYPE AND SIZE	8" WOOFER
2.MINIMAL IMPEDANCE	4 OHMS +/- 15%
3.RESONANACE FREQUENCY, Fb (LMS)	40 Hz +/- 20%
4.SENSITIVITY	90dB +/-3dB/1W @ 1M on 100, 200, 500 AVE.
5.EFFECTIVE FREQUENCY BAND	40Hz to 20KHz
6.INPUT POWER	Nominal : 70 Watts                      Maximum : 140 Watts
7.MAGNET SIZE(MAIN)	MAGNET FERRITE 110 X 60 X 17mm
8.MAGNET SIZE(CANCEL)	N/A
9.FLUX DENSITY	N/A
10.BUZZ,RATTLE TEST	12V, 36 W Sine Wave from 20Hz-20KHz
11.OPERATION TEST*	12 V 36 W Program Source
12.AGEING TEST*	12 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	O10	O11	O12
MINIMAL IMPEDANCE, Zmin, Ohms	3.9	3.9										
RESONANCE FREQUENCY 40Hz +/- 20Hz	42	40										
SENSITIVITY SPL 90 dB 1W @ 1M	91	90										

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

**CUSTOMER'S APPROVAL**

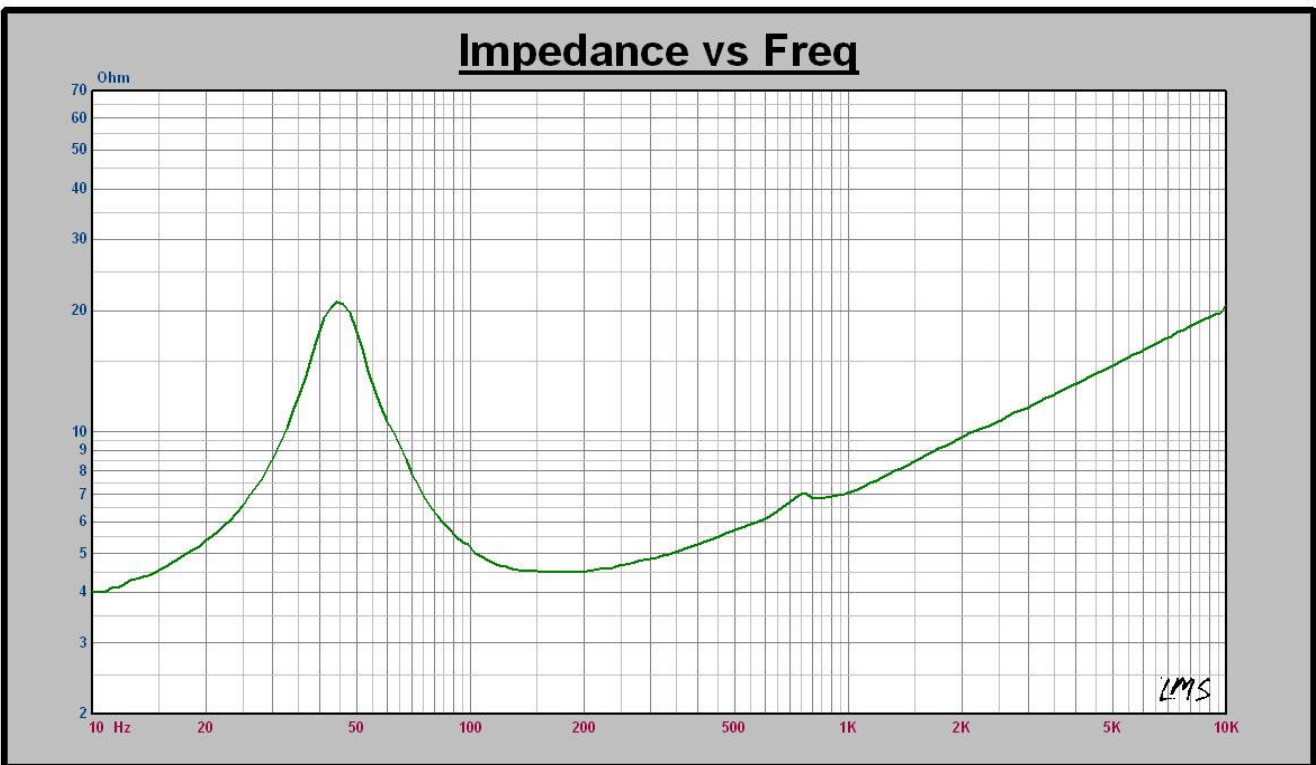
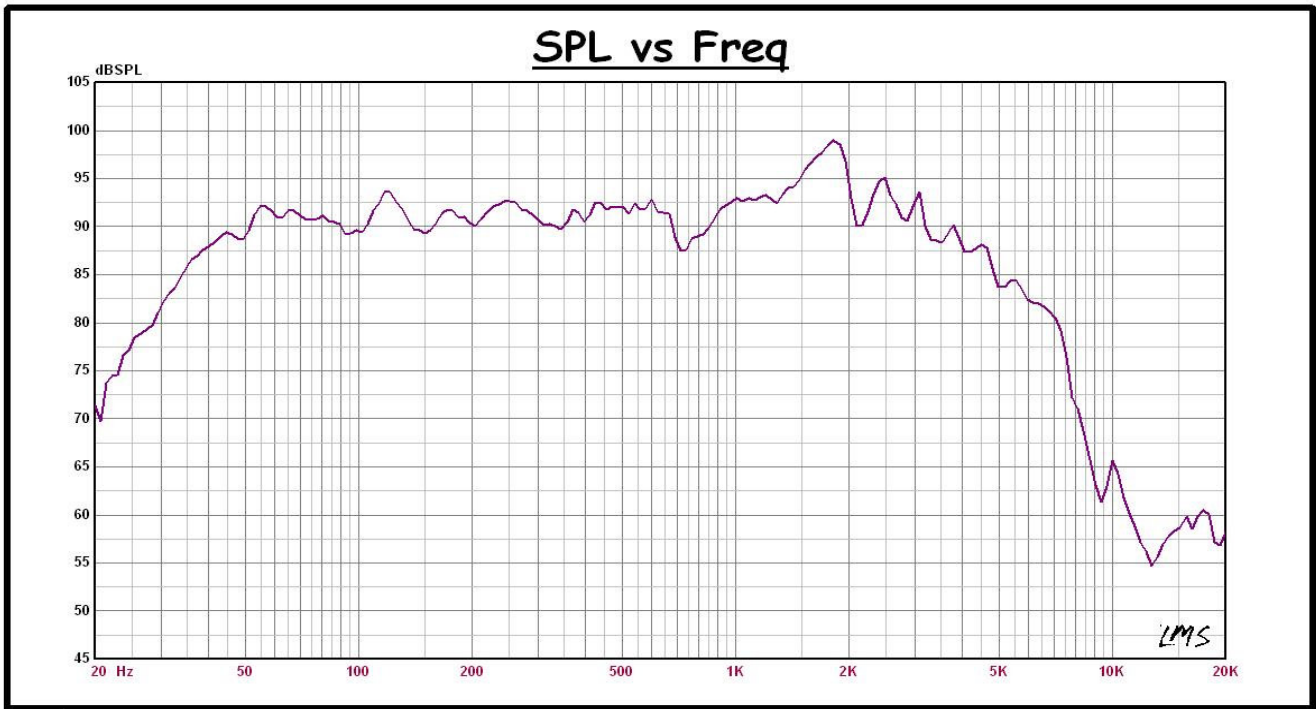
**APPROVED BY:**

**DATE:**

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

Prepared by :  <p style="text-align: center;"><b>Mr. Edward Viña</b></p>		Approved by :  <p style="text-align: center;"><b>Mr. Neil Lim</b></p> <p style="text-align: center;">CED - Manager</p>
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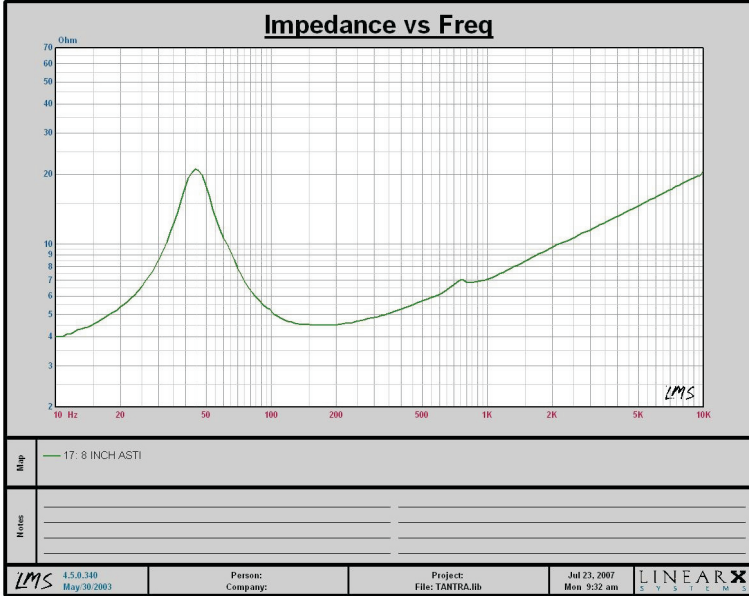
FIG. 1: FREQUENCY VS.SPL



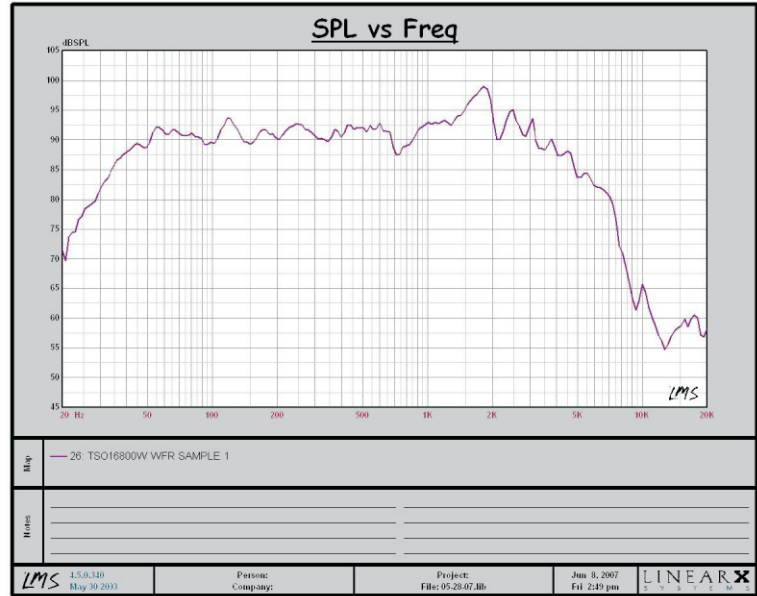
- Size 8 Inch
- Imp 4 Ohm
- Prms 70W
- Pmax 140W
- Fs 43Hz
- Re 3.8 Ohm
- SPL 87.5dB
- Qms 2.551
- Qes 0.673
- Vas 31.01L

# W8S-50

**Impedance vs Freq**



**SPL vs Freq**



- Size 8 Inch
- Imp 4 Ohm
- Prms 70W
- Pmax 140W
- Fs 43Hz
- Re 3.8 Ohm
- SPL 87.5dB
- Qms 2.551
- Qes 0.673
- Vas 31.01L

