

Shuttle® 浩鑫股份有限公司	Acoustic report	Model name	<i>XS35GTV2 Pro</i>
		Design phase	<i>B phase</i>
		Release Date:	<i>2011/01/07</i>

XS35GTV2 Pro

Acoustic Test Report

Design Phase Version: B

Date: 2011/01/07

Shuttle- Thermal Department

<i>Approved by:</i>	<i>Checked by:</i>	<i>Prepared by:</i>
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1. Samples Configuration:

Configuration:	Brand/Frequency/Capacity/Description
P/N	B phase sample
Main Board Version	1.0
BIOS/EC Version	B.01/0.11
CPU	Intel® Atom™ processor D525
Memory	1 Pcs of USI 2GB DDR3
VGA	NVIDIA N11M PT2
VRAM	SAMSUNG K4W1G1646E-HC12
HDD	WD 2.5" SATA 320G
W-LAN	External Power supply
ADAPTER	B phase sample

2. Test Equipment:

2-1 Semi-Anechoic Chamber: Acoustic testing for system sound quality shall be testing in a qualified Semi-anechoic chamber meeting the requirements of Is0-3744.

2-2 Microphone: Follow ISO-3744

2-3 Fan power is provided by power supply. Testing sound pressure every 0.5V voltage between 2.5V~5.0V or higher to determine fan RPM.

3. Test Condition

3-1 Environment Temperature: 23+-2degC

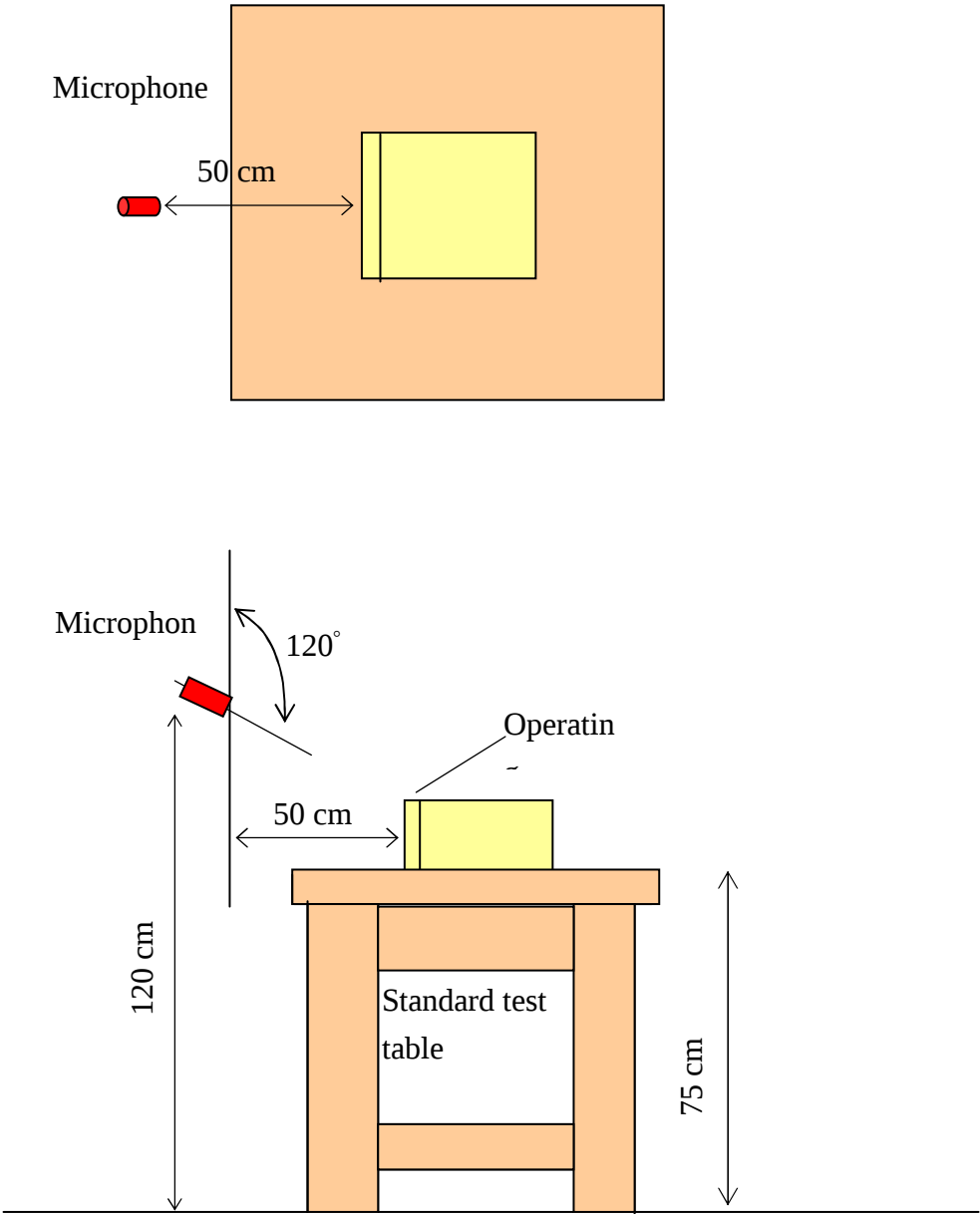
4. Test Standard Reference

4-1 Sound pressure standard: follow ISO7779-chapter 8.6.3-C

4-2 It is 50cm away from test machine for four edges.

4-3 Show as below picture.

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4-4.For B phase test, we determine the fan RPM to meet Shuttle acoustic SPEC in front side sound pressure (Idle&3DMark200x<=28 dBA).

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5. Acoustic test report

Sound pressure

Semi-Anechoic Chamber		AVC				
		Front (dBA)	Left (dBA)	Rear (dBA)	Right (dBA)	Fan RPM
Bi-sonic	Background	15.5	16.5	16.2	15.8	
	2.5V	25.4	26.7	26.2	24.5	2700
	3V	28.0	29.3	29.2	27.4	3150
	3.5V	30.8	32.4	32.0	30.5	3600
	4V	33.2	35.4	34.8	33.7	3900
	4.5V	35.8	37.7	37.2	35.9	4000
	5V	37.2	39.4	39.0	37.6	4300

6. Conclusion:

- System Idle & Play DVD @2.5V 25.4 ≤ 28 dBA(spec)
3DMark200x@3.0V 28.0 ≤ 28 dBA (spec)
- Base on test result, all of data meet Shuttle acoustic spec.