

Report NO: 16IP090022

IMBM-B75A-A30

ATRF Test Report

Summary	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> Pass with Deviation (Comment: _____)			
	Test Results Category			
	Critical	Major	Minor	Enhancement
Defect Found	0	0	0	0
Defect Unsolved	0	0	0	0

Issue date

2016-08-23

QE Manager

KJ Wang

Test Engineer

Louie Lee

ATRF Request:

Power consumption test

Platform Information:

Item	Device Information	Test Item
PCB Model / Version	IMBM-B75A R3.0	
BIOS / Version	0801 (10/21/2015)	
CPU Type	Intel® Core™ i7-3770 Processor(8M Cache, up to 3.90 GHz)	
Memory Type	Transcend DDR3 1600 8GB x4	
SATA HDD	WD WD20EZR 3.5" 2TB	
VGA	Dell U2713HM	
HDMI	N/A	
DP	N/A	
LVDS	N/A	
Mini PCI-Express	N/A	
Riser Card	N/A	
Backplane	N/A	
O.S	Windows 7 Ultimate 64bit	
Power supply	DELTA DPS-400AB-16A	

Test Result for Certification

1. ATRF Test for power consumption

Test Equipment					
Equipment	AC/DC digital clamp meter				
Manufacturer	KYORITSU				
Model name	KEW SNAP Model 2010				
Test Environment					
USB keyboard	Microsoft 1366				
USB mouse	Microsoft 1113				
Power Supply	Current		P		Note
(Full Loading Mode) Windows 7 with Prime 95 Full Loading Test	(+12V)	7.4	A	88.8	Prime95 Version 259
	(+5V)	0.53		2.65	
	(+3.3V)	0.97		3.2	
	(-12V)	0.03		0.36	
	(5VSB)	0.22		1.1	
Full Loading Total Watt	96.11 (W)				
S3 mode: Measure the current value when system in S3 mode of windows and without running any	(+12V)	N/A	A	N/A	W
	(+5V)	N/A		N/A	
	(+3.3V)	N/A		N/A	
	(-12V)	N/A		N/A	
	(5VSB)	0.27		1.35	
Suspend Total Watt	1.35 (W)				
Win. Idle mode: Measure the current value when system in windows mode and without running any program	(+12V)	1.7	A	20.4	W
	(+5V)	0.47		2.35	
	(+3.3V)	0.96		3.17	
	(-12V)	0.03		0.36	
	(5VSB)	0.22		1.1	
Idle Total Watt	27.38 (W)				
S5 mode: Measure the current value when system in S5 mode of windows and without running any	(+12V)	N/A	A	N/A	W
	(+5V)	N/A		N/A	
	(+3.3V)	N/A		N/A	
	(-12V)	N/A		N/A	
	(5VSB)	0.10		0.5	
Suspend Total Watt	0.5 (W)				