DDM Brands LLC

Tablet PC

Main Model: T7ED
Serial Model: N/A

December 02, 2013

Report No.: 13070555-FCC-RF Exposure

(This report supersedes NONE)

Modifications made to the product : None

This Test Report is Issued Under the Authority of:		
David Huang	Alex Liu	
David Huang **Compliance Engineer**	**Alex Liu** **Technical Manager**	

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Test result presented in this test report is applicable to the representative sample only.

RF Test Report

To: FCC Part 15.247: 2013

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Laboratory Introduction

SIEMIC, headquartered in the heart of Silicon Valley, with superior facilities in US and Asia, is one of the leading independent testing and certification facilities providing customers with one-stop shop services for Compliance Testing and Global Certifications.

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SIEMIC (Shenzhen-China) Laboratories Accreditations for Conformity Assessment

Country/Region	Scope
USA	EMC , RF/Wireless , Telecom
Canada	EMC, RF/Wireless , Telecom
Taiwan	EMC, RF, Telecom , Safety
Hong Kong	RF/Wireless ,Telecom
Australia	EMC, RF, Telecom , Safety
Korea	EMI, EMS, RF , Telecom, Safety
Japan	EMI, RF/Wireless, Telecom
Singapore	EMC , RF , Telecom
Europe	EMC, RF, Telecom , Safety

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CONTENTS

1 EXECUTIVE SUMMARY & EUT INFORMATION

The purpose of this test programme was to demonstrate compliance of the DDM Brands LLC, Tablet PC and model: T7ED against the current Stipulated Standards. The Tablet PC has demonstrated compliance with the FCC 15.247: 2013.

EUT Information

EUT Description	:	**Tablet PC**
Main Model	:	**T7ED**
Serial Model	:	**N/A**
Antenna Gain	:	**Bluetooth: 2.0 dBi** **WIFI: 2.0 dBi**
Input Power	:	**Battery:** **Model: SR3070110P** **Spec: 3.7V 2500mAh** **Limited charger voltage: 4.2V** **Adapter:** **Model: YW20** **Input: AC 100-240V 50/60Hz 0.3A** **Output: DC 5V 2000mAh**
Classification Per Stipulated Test Standard	:	**FCC 15.247: 2013**

2 TECHNICAL DETAILS

Purpose	**Compliance testing of Tablet PC with stipulated standard**
Applicant / Client	**DDM Brands LLC 1616 NW, 84TH Ave. Miami, Florida, U.S.A 33126**
Manufacturer	**DDM Brands LLC A-401,HengYu Center, NanShan, ShenZhen, China518054**
Laboratory performing the tests	**SIEMIC (Shenzhen-China) Laboratories Zone A, Floor 1, Building 2, Wan Ye Long Technology Park, South Side of Zhoushi Road, Bao'an District, Shenzhen, Guangdong, China Tel: +86-0755-2601 4629 / 2601 4953 Fax: +86-0755-2601 4953-810 Email: China@siemic.com.cn**
Test report reference number	**13070555-FCC-RF Exposure**
Date EUT received	**November 20, 2013**
Standard applied	**FCC 15.247: 2013**
Dates of test (from – to)	**November 21- December 1, 2013**
No of Units	**#1**
Equipment Category	**DSS**
Trade Name	**YEZZ**
RF Operating Frequency (ies)	**802.11b/g/n: 2412-2462 MHz Bluetooth: 2402-2480 MHz**
Number of Channels	**Bluetooth: 79CH 802.11b/g/n: 11CH**
Modulation	**802.11b/g/n: DSSS/OFDM Bluetooth: GFSK& π/4DQPSK&8DPSK**
GPRS Multi-slot class	**N/A**
FCC ID	**A4JEPICT7ED**

3 MODIFICATION

NONE

4 TEST SUMMARY

The product was tested in accordance with the following specifications.
All testing has been performed according to below product classification:

Test Results Summary

Test Standard	Description	Product Class	Pass / Fail
§15.247(i), §2.1093	RF Exposure	See Above	Pass

5 MEASUREMENTS, EXAMINATION AND DERIVED RESULTS

5.1 §15.247 (i) and §2.1093 – RF Exposure

Standard Requirement:

According to §15.247 (i) and §1.1307(b)(1), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at *test separation distances* ≤ 50 mm are determined by:

[(*max. power of channel, including tune-up tolerance, mW*)/(*min. test separation distance, mm*)] · [$\sqrt{f_{(GHz)}}$] ≤ 3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR,[16] where

- $f_{(GHz)}$ is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation[17]
- The result is rounded to one decimal place for comparison

The test exclusions are applicable only when the minimum *test separation distance* is ≤ 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum *test separation distance* is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion.

Approximate SAR Test Exclusion Power Thresholds at Selected Frequencies and Test Separation Distances are illustrated in the following Table.

MHz	5	10	15	20	25	mm
150	39	77	116	155	194	SAR Test Exclusion Threshold (mW)
300	27	55	82	110	137	
450	22	45	67	89	112	
835	16	33	49	66	82	
900	16	32	47	63	79	
1500	12	24	37	49	61	
1900	11	22	33	44	54	
2450	10	19	29	38	48	
3600	8	16	24	32	40	
5200	7	13	20	26	33	
5400	6	13	19	26	32	
5800	6	12	19	25	31	

Routine SAR evaluation refers to that specifically required by § 2.1093, using measurements or computer simulation. When routine SAR evaluation is not required, portable transmitters with output power greater than the applicable low threshold require SAR evaluation to qualify for TCB approval.
One antennas are available for the EUT (The comments PIFA antenna for Bluetooth and WIFI).

The maximum peak output power(turn-up power) in low channel of Blutooth is 4.12 mW
The calculation results= $4.12/5*\sqrt{2.402}$ = 1.98 < 3
The maximum peak output power(turn-up power) in middle channel of Blutooth is 3.26 mW
The calculation results= $3.26/5*\sqrt{2.441}$ = 1.02 < 3
The maximum peak output power(turn-up power) in high channel of Blutooth is 2.42 mW
The calculation results= $2.42/5*\sqrt{2.48}$ = 0.76 < 3
According to KDB 447498, no stand-alone required for Bluetooth antenna, and no simultaneous SAR measurement is required.

The maximum average output power(turn-up power) in low channel of WIFI is 9.26 dBm= 8.43 mW
The calculation results= $8.43/5*\sqrt{2.412}$ = 2.62 < 3
The maximum average output power(turn-up power) in middle channel of WIFI is 8.48 dBm= 7.05 mW
The calculation results= $7.05/5*\sqrt{2.437}$ = 2.20 < 3
The maximum average output power(turn-up power) in high channel of WIFI is 7.67 dBm= 5.85 mW
The calculation results= $5.85/5*\sqrt{2.462}$ = 1.84 < 3
According to KDB 447498, no stand-alone required for WIFI antenna, and no simultaneous SAR measurement is required.

Test Result: Pass