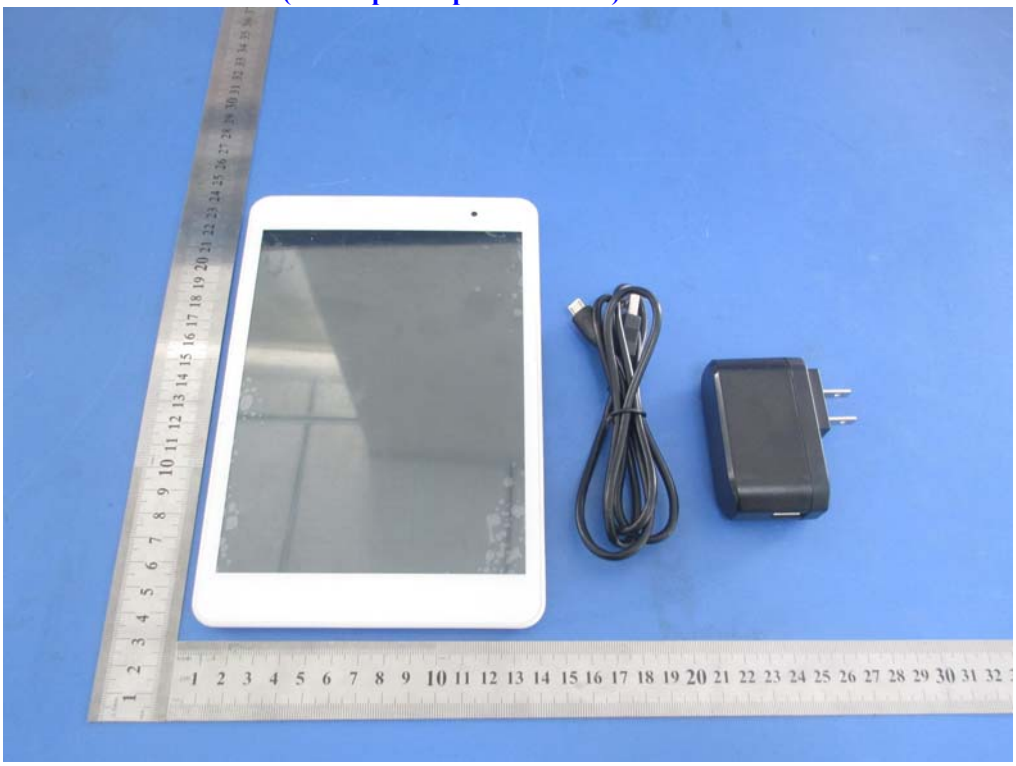
MEERA INTERNATIONAL LIMITED

7.85inch Tablet PC

Main Model: MT-785 IPS
Serial Model: NTB-785 IPS

March 20, 2014
Report No.: 14020106-FCC-H1
(This report supersedes none)



RF Exposure Evalution Report
To: §15.247 (i), §2.1093

SIEMIC, INC.
Accessing global markets

Modifications made to the product : None		
This Test Report is Issued Under the Authority of:		
Amos. Xia	Alex. Liu	
Amos Xia **Compliance Engineer**	**Alex Liu** **Technical Manager**	

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

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.

In addition to testing and certification, SIEMIC provides initial design reviews and compliance management through out a project. Our extensive experience with China, Asia Pacific, North America, European, and international compliance requirements, assures the fastest, most cost effective way to attain regulatory compliance for the global markets.

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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1 EXECUTIVE SUMMARY & EUT INFORMATION

The purpose of this test programme was to demonstrate compliance of the MEERA INTERNATIONAL LIMITED, 7.85inch Tablet PC and model: MT-785 IPS against the current Stipulated Standards. The 7.85inch Tablet PC has demonstrated compliance with the §15.247 (i), §2.1093.

EUT Information

EUT Description	**7.85inch Tablet PC**
Main Model	**MT-785 IPS**
Serial Model	**NTB-785 IPS**
Antenna Gain	**Bluetooth:0.39dBi** **WIFI: 0.42dBi**
Input Power	**Li-ion Battery:** **3.7V 4000mAh** **POWER SUPPLY:** **Model: XHY050200UUCH** **Input: AC 100-240V 50/60Hz 0.5A MAX** **Output: DC 5.0V 2.0A**
Classification Per Stipulated Test Standard	**§15.247 (i), §2.1093**

2 TECHNICAL DETAILS

Purpose	**Compliance testing of 7.85inch Tablet PC with stipulated standard**
Applicant / Client	**MEERA INTERNATIONAL LIMITED** **301 Kam On Building, 176A Queen's Road Central, Central, Hong Kong, China**
Manufacturer	**Shenzhen Beneworld Technology Co. Ltd.** **Building 3, Huangtian Industrial Park, Xixiang, Baoan District, Shenzhen, Guangdong, China**
Laboratory performing the tests	**SIEMIC (Nanjing-China) Laboratories** **NO.2-1,Longcang Dadao, Yuhua Economic Development Zone, Nanjing, China** **Tel: +86(25)86730128/86730129** **Fax: +86(25)86730127** **Email: China@siemic.com**
Test report reference number	**14020106-FCC-H1**
Date EUT received	**February 21, 2014**
Standard applied	**§15.247 (i), §2.1093**
Dates of test (from – to)	**March 10 to March 19, 2014**
No of Units :	**#1**
Equipment Category :	**Spread Spectrum System/Device**
Trade Name :	**N/A**
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: CCK/OFDM** **Bluetooth: GFSK&π/4-DQPSK &8DPSK**
Port	**Earphone Port, HDMI Port, USB Port**
FCC ID	**2AASXMTNTB785IPS**

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

FCC Rules	Description of Test	Result
§15.247 (i), §2.1093	RF Exposure	Compliance

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.

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.

BT Mode:
One antenna is available for the EUT (BT antenna).The minimum separation distances is 5 mm.
The maximum average output power(turn-up power) in low channel of BT is 8.53 dBm=7.13mW
The calculation results= 7.13/5* √2.402=2.21<3
The maximum average output power(turn-up power) in middle channel of BT is 8.79 dBm=7.57 mW
The calculation results= 7.57/5* √2.441=2.37<3
The maximum average output power(turn-up power) in high channel of BT is 8.82 dBm=7.62 mW
The calculation results= 7.62/5* √2.480=2.40<3
According to KDB 447498, no stand-alone required for BT antenna, and no simultaneous SAR measurement is required .

WIFI Mode:
One antenna is available for the EUT (WIFI antenna).The minimum separation distances is 5 mm.
The maximum average output power(turn-up power) in low channel of WIFI is 9.05 dBm=8.04 mW
The calculation results= 8.04/5* √2.412=2.50<3
The maximum average output power(turn-up power) in middle channel of WIFI is 9.13dBm=8.18 mW
The calculation results= 8.18/5* √2.437=2.55<3
The maximum average output power(turn-up power) in high channel of WIFI is 9.09dBm=8.11 mW
The calculation results= 8.11/5* √2.462=2.55<3
According to KDB 447498, no stand-alone required for BT antenna, and no simultaneous SAR measurement is required .

Test Result: Pass