

# Variant FCC SAR Test Report

APPLICANT : ASUSTek COMPUTER INC.  
EQUIPMENT : PDA Phone  
BRAND NAME : NA  
MODEL NAME : 0100084610  
FCC ID : MSQ-01000846  
STANDARD : FCC 47 CFR Part 2 (2.1093)  
IEEE C95.1-1999  
IEEE 1528-2003  
FCC OET Bulletin 65 Supplement C (Edition 01-01)

This is a variant report which is only valid combined with the original report. We, SPORTON INTERNATIONAL INC., would like to declare that the tested sample has been evaluated in accordance with the procedures and shown the compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC., the test report shall not be reproduced except in full.

Reviewed by:



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Roy Wu / Manager



**SPORTON INTERNATIONAL INC.**

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## Revision History

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FA040233	Rev. 01	This is a variant report by changing the model name of the device and upgrading WWAN function from HSDPA to HSUPA. All the test cases were performed on original report which can be referred to Sporton Report No. FA9O2703 as appendix C, and only the conducted power for HSDPA/HSUPA was performed in this report.	Apr. 15, 2010

**1. Statement of Compliance****2. Administration Data****2.1 Applicant**

Company Name	ASUSTek COMPUTER INC.
Address	4F., No. 150 Li-Te Rd., Peitou, Taipei, Taiwan

**2.2 Manufacturer**

Company Name	ProTek (Shanghai) Ltd.
Address	No. 3768, Xiu Yan Road, Nanhui District, 201315 Shanghai, P.R.C.

### 3. General Information

#### 3.1 Description of Device Under Test (DUT)

Product Feature & Specification	
DUT Type	PDA Phone
Brand Name	NA
Model Name	0100084610
FCC ID	MSQ-01000846
Tx Frequency	GSM850 : 824 MHz ~ 849 MHz GSM1900 : 1850 MHz ~ 1910 MHz WCDMA Band IV : 1710 MHz ~ 1755 MHz
Rx Frequency	GSM850 : 869 MHz ~ 894 MHz GSM1900 : 1930 MHz ~ 1990 MHz WCDMA Band IV : 2110 MHz ~ 2155 MHz
Antenna Type	Fixed Internal Antenna
HW Version	V1.3
SW Version	OS:V2.7.0-user-20091023 Modem:451501_2.08_1021
Type of Modulation	GSM / GPRS : GMSK EDGE : 8PSK WCDMA : QPSK HSDPA : QPSK / 16QAM HSUPA : BPSK
DUT Stage	Identical Prototype

**Remark:** The above DUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.

## **4. SAR Test Results**

### **4.1 Conducted Power (Unit: dBm)**

Band	WCDMA Band IV		
Channel	1312	1413	1513
Frequency (MHz)	1712.4	1732.6	1752.6
HSDPA Subtest-1	23.13	23.26	23.03
HSDPA Subtest-2	22.94	23.05	22.82
HSDPA Subtest-3	21.78	21.92	21.92
HSDPA Subtest-4	21.78	21.96	21.79
HSUPA Subtest-1	22.40	22.74	22.47
HSUPA Subtest-2	21.50	21.70	21.46
HSUPA Subtest-3	21.85	22.03	21.78
HSUPA Subtest-4	21.56	21.68	21.48
HSUPA Subtest-5	22.41	22.60	22.46

### **4.2 Method for Compliance**

According to KDB 941225 D01, the maximum average output power of HSDPA / HSUPA (23.26 dBm / 22.74 dBm) is less than 1/4 dB higher than that measured 12.2 kbps RMC (23.47 dBm), and the maximum SAR for 12.2 kbps RMC (Head: 0.714 W/kg, Body: 0.645 W/kg) is less than 75% of the SAR limit (1.2 W/kg). Therefore, the SAR testing for HSDPA / HSUPA is not required.



## ***Appendix A. FCC 3G SAR Measurement Procedures***

The measurement procedures are shown as follows.

## Appendix B. Change Note

### ASUSTek COMPUTER INC.

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Tel: +886-2-28943447; Fax: +886-2-28987364

Date: April 9, 2010

### Product Equality Declaration

We, ASUSTek COMPUTER INC., declare on our sole responsibility for the product of 0100084610 (model name); The difference between previous version and current version is HSDPA upgrade to HSUPA and only change Software.

Except Listings above, the others are the same as previous version.

Should you have any questions or comments regarding this matter, please have my best attention.

Sincerely yours,

*Chloe Lin 04092010.*

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***Appendix C. Original Report***

Please refer to Sporton Report Number FA9O2703A as follows.