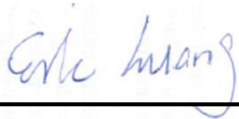


# RF Exposure Evaluation Report

APPLICANT : Vafara L.L.C.  
EQUIPMENT : Wireless Controller  
MODEL NAME : WR26UR  
FCC ID : 2AAIG-0725  
IC ID : 11182A-0725  
STANDARD : IC RSS-102 Issue 4 (March 2010)  
47 CFR Part 2.1093  
FCC KDB 447498 D01 v05r01

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 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: Eric Huang / Deputy Manager



Approved by: Jones Tsai / Manager



**SPORTON INTERNATIONAL INC.**

No. 52, Hwa Ya 1<sup>st</sup> Rd., Hwa Ya Technology Park, Kwei-Shan Hsiang, Tao Yuan Hsien, Taiwan, R.O.C.

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## Revision History

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FA370101-02	Rev. 01	Initial issue of report	Oct. 30, 2013
FA370101-02	Rev. 02	Revised Maximum RF output power among production units, and re-analysis the RF exposure assessment in page 5.	Nov. 16, 2013

## **1 Administration Data**

### **1.1 Testing Laboratory**

<b>Test Site</b>	SPORTON INTERNATIONAL INC.
<b>Test Site Location</b>	No. 52, Hwa Ya 1st Rd., Hwa Ya Technology Park, Kwei-Shan Hsiang, Tao Yuan Hsien, Taiwan, R.O.C. TEL: +886-3-327-3456 FAX: +886-3-328-4978

### **1.2 Applicant**

<b>Company Name</b>	Vafara L.L.C.
<b>Address</b>	312 S. Fourth Street Suite 700 Louisville, Kentucky 40202

## **2 General Information**

### **2.1 Description of Device Under Test (DUT)**

Product Feature & Specification	
<b>DUT Type</b>	Wireless Controller
<b>Model Name</b>	WR26UR
<b>FCC ID</b>	2AAIG-0725
<b>IC ID</b>	11182A-0725
<b>Wireless Technology and Frequency Range</b>	Bluetooth: 2402 MHz ~ 2480 MHz
<b>Mode</b>	• Bluetooth v3.0+EDR
<b>Antenna Type</b>	IFA Antenna
<b>Antenna Gain</b>	-2.00 dBi
<b>DUT Stage</b>	Production Unit

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

### **3 Maximum RF output power among production units**

Mode / Band	Maximum Power (dBm)		
	1Mbps	2Mbps	3Mbps
	(GFSK)	$\pi/4$ -DQPSK	(8-DPSK)
2.4GHz Bluetooth	6.5	6.5	6.5

### **4 Bluetooth Exclusion Applied for FCC**

Max Power (dBm)	Distance (mm)	Frequency (GHz)	exclusion threshold	Limit
6.5	5	2.48	1.26	7.5

**Note:**

1. Per KDB 447498 D01v05r01, the 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances  $\leq 50$  mm are determined by:  
[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)]  $\cdot [\sqrt{f(\text{GHz})}] \leq 3.0$  for 1-g SAR and  $\leq 7.5$  for 10-g extremity SAR
  - f(GHz) is the RF channel transmit frequency in GHz
  - Power and distance are rounded to the nearest mW and mm before calculation
  - The result is rounded to one decimal place for comparison

### **5 Bluetooth Exclusion Applied for Canada**

Bluetooth Max output power is 6.5dBm, antenna gain is -2.00dBi, and total radiated power is 4.5dBm, (Radiated Power = Average power + Antenna gain) both conducted power and total radiated power are smaller than 20mw. According to IC RSS-102 Issue 4, low power exclusion is applicable and Bluetooth operation complies with EMF basic restriction.

**Conclusion: The SAR measurement is not necessary.**