

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 1st Rd., Hwa Ya Technology Park, Kwei-Shan Hsiang, Tao Yuan Hsien, Taiwan, R.O.C.

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Revision History

1 Administration Data

1.1 Testing Laboratory

Test Site	SPORTON INTERNATIONAL INC.
Test Site Location	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

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

2 General Information

2.1 Description of Device Under Test (DUT)

Product Feature & Specification	
DUT Type	Wireless Controller
Model Name	WR26UR
FCC ID	2AAIG-0725
IC ID	11182A-0725
Wireless Technology and Frequency Range	Bluetooth: 2402 MHz ~ 2480 MHz
Mode	• Bluetooth v3.0+EDR
Antenna Type	IFA Antenna
Antenna Gain	-2.00 dBi
DUT Stage	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:
$$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0 \text{ for 1-g SAR and } \leq 7.5 \text{ for 10-g extremity SAR}$$
 - $f(\text{GHz})$ 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.