RF Exposure Evaluation Report

APPLICANT	:	Babolat VS
EQUIPMENT	:	Tennis game measuring device
BRAND NAME	:	BABOLAT
MODEL NAME	:	BABOLAT POP
MARKETING NAME		BABOLAT PLAY POP
FCC ID	:	2AAES-POP2015
STANDARD	:	47 CFR Part 2.1093 FCC KDB 447498 D01 v05r02

We, SPORTON INTERNATIONAL INC., would like to declare that the device has been evaluated in accordance with 47 CFR Part 2.1093, and pass the limit. 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

Testing Laboratory
1190

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Revision History

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FA561709	Rev. 01	Initial issue of report	Aug. 31, 2015

1. Administration Data

Testing Laboratory	
Test Site	SPORTON INTERNATIONAL INC.
Test Site Location	No.52, Hwa Ya 1st Rd., Hwa Ya Technology Park, Kwei-Shan District, Taoyuan City, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978

Applicant	
Company Name	Babolat VS
Address	93 rue André Bollier 69007 Lyon France

Manufacturer	
Company Name	Octonion SA
Address	EPFL Innovation Park Batiment C, 1015 Lausanne Switzerland

2. General Information

2.1 Description of Device Under Test (DUT)

Product Feature & Specification	
DUT Type	Tennis game measuring device
Brand Name	BABOLAT
Model Name	BABOLAT POP
Marketing Name	BABOLAT PLAY POP
FCC ID	2AAES-POP2015
Wireless Technology and Frequency Range	Bluetooth: 2402 MHz ~ 2480 MHz
Mode	Bluetooth v4.0-LE
Antenna Type	Chip Antenna
HW Version	SU2
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.

3. Maximum RF output power among production units

Mode / Band	Average Power (dBm)
	v4.0 with LE
2.4 GHz Bluetooth	2.0

4. RF Exposure Evaluation

Bluetooth Max Power (dBm)	mW	Separation Distance (mm)	Frequency (GHz)	Exclusion Thresholds
2	2.00	5	2.48	0.63

Note:

1. Per KDB 447498 D01v05r02, 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*)] ·[√f(GHz)] ≤ 3.0 for 1-g SAR and ≤ 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

Conclusion: Per KDB 447498 D01v05r02, when the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion. The test exclusion threshold is 0.63 which is <= 7.5, SAR testing is not required.