RF Exposure Evaluation Report

APPLICANT: Sony Mobile Communications Inc.

EQUIPMENT: Bluetooth Device

BRAND NAME: Sony

FCC ID : PY7-35220T

STANDARD : 47 CFR Part 2.1093

FCC KDB 447498 D01 v06

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 / Manager

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Approved by: Jones Tsai / Manager

lac-MRA



Report No.: FA762216

SPORTON INTERNATIONAL INC.

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 FCC ID: PY7-35220T Page Number : 1 of 5
Report Issued Date : Jul. 31, 2017

Report Version : Rev. 01

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Revision History

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FA762216	Rev. 01	Initial issue of report	Jul. 31, 2017

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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		

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Applicant		
Company Name	Sony Mobile Communications Inc.	
Address	4-12-3 Higashi-Shinagawa, Shinagawa-ku,Tokyo, 140-0002, Japan	

Manufacturer			
Company Name	Sony Mobile Communications Inc.		
Address	4-12-3 Higashi-Shinagawa, Shinagawa-ku,Tokyo, 140-0002, Japan		

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2. General Information

2.1 Description of Device Under Test (DUT)

Product Feature & Specification			
DUT Type	Bluetooth Device		
Brand Name	Sony		
FCC ID	PY7-35220T		
Wireless Technology and Frequency Range	Bluetooth: 2402 MHz ~ 2480 MHz NFC : 13.56 MHz		
Mode	Bluetooth BR/EDR NFC:ASK		
Antenna Type	PIFA Antenna		
Antenna Gain	-1dBi		
HW Version	A		
SW Version	4.0		
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

Band / Mode		Average Power (dBm)	
	BR / EDR		
	1M	2M	3M
Bluetooth	8	4	4

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4. RF Exposure Evaluation

Bluetooth	mW	Separation	Frequency	Exclusion
Max Power (dBm)		Distance (mm)	(GHz)	Thresholds
8	6.31	5	2.48	1.89

Note:

 Per KDB 447498 D01v06 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)] $\cdot [\sqrt{f(GHz)}] \le 3.0$ 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 D01v06, 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 1.89 which is <= 3, SAR testing is not required.

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