RF Exposure Evaluation Report

APPLICANT	:	Honeywell International Inc.
EQUIPMENT	:	Honeywell Tag
BRAND NAME	:	Honeywell
MODEL NAME	:	RTHAL-C1
FCC ID	:	HD5-RTHALC1
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

Approved by: Jones Tsai / Manager

Testing Laboratory
1190

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Revision History

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FA811911-01	Rev. 01	Initial issue of report	Feb. 13, 2018

1. Administration Data

Testing Laboratory	
Test Site	SPORTON INTERNATIONAL INC.
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Applicant	
Company Name	Honeywell International Inc.
Address	9680 Old Bailes Road, Fort Mill, SC 29707 USA

Manufacturer	
Company Name	Honeywell International Inc. Honeywell Sensing & Productivity Solutions
Address	9680 Old Bailes Road, Fort Mill, SC 29707 USA

2. General Information

2.1 Description of Device Under Test (DUT)

Product Feature & Specification	
DUT Type	Honeywell Tag
Brand Name	Honeywell
Model Name	RTHAL-C1
FCC ID	HD5-RTHALC1
Wireless Technology and Frequency Range	Bluetooth: 2402 MHz ~ 2480 MHz NFC: 13.56 MHz
Mode	Bluetooth LE NFC: ASK
HW Version	V2.0
SW Version	V0.0.11
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)
	LE
	GFSK
Bluetooth	3

4. RF Exposure Evaluation

Bluetooth Max Power (dBm)	mW	Separation Distance (mm)	Frequency (GHz)	Exclusion Thresholds
3	2.00	5	2.48	0.63

Note:

1. 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*)] ·[√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 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 0.63 which is <= 7.5, SAR testing is not required.