



SPORTON International Inc.

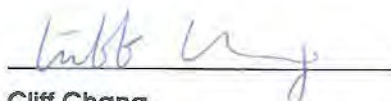
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Project No: CB10603296

RF Exposure Evaluation Report

Applicant's company	HOLUX Technology, Inc.
Applicant Address	No. 1-1, Innovation Road 1, Science-Based Industrial Park, Hsinchu 30076, Taiwan
FCC ID	RJIM-241PLUS
Manufacturer's company	HOLUX Technology, Inc.
Manufacturer Address	No. 1-1, Innovation Road 1, Science-Based Industrial Park, Hsinchu 30076, Taiwan

Product Name	Wireless GPS Logger
Brand Name	HOLUX
Model Name	M-241 Plus
Ref. Standard(s)	47 CFR FCC Part 2 Subpart J, section 2.1091
Received Date	Feb. 07, 2017
Final Test Date	Mar. 09, 2017
Submission Type	Original Equipment



Cliff Chang

SPORTON INTERNATIONAL INC.



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1. GENERAL DESCRIPTION

1.1. EUT General Information

RF General Information			
Evaluation Mode	Frequency Range (MHz)	Operating Frequency (MHz)	Modulation Type
Bluetooth	2400-2483.5	2402-2480	LE: DSSS (GFSK)

1.2. Testing Location

Testing Location		
<input type="checkbox"/>	HWA YA	ADD : No. 52, Hwa Ya 1st Rd., Kwei-Shan Hsiang, Tao Yuan Hsien, Taiwan, R.O.C. TEL : 886-3-327-3456 FAX : 886-3-327-0973
<input checked="" type="checkbox"/>	JHUBEI	ADD : No.8, Lane 724, Bo-ai St., Jhubei City, HsinChu County 302, Taiwan, R.O.C. TEL : 886-3-656-9065 FAX : 886-3-656-9085

2. RF EXPOSURE EVALUATION

2.1. Applicable Standard

In accordance with FCC 47 CFR part 2 (2.1093) this device has been defined as a portable device which is defined as a transmitting device designed to be used so that the radiating structure(s) of the device is/are within 20 centimeters of the body of the user.

Portable devices must be evaluated using the specified in FCC 47 CFR part 2 (2.1093) and ANSI/IEEE C95.1-1992, and had been tested in accordance with the measurement methods and procedures specified in IEEE 1528-2003.

2.2. SAR evaluation

1. Per FCC KDB 447498 D01 v06, 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:

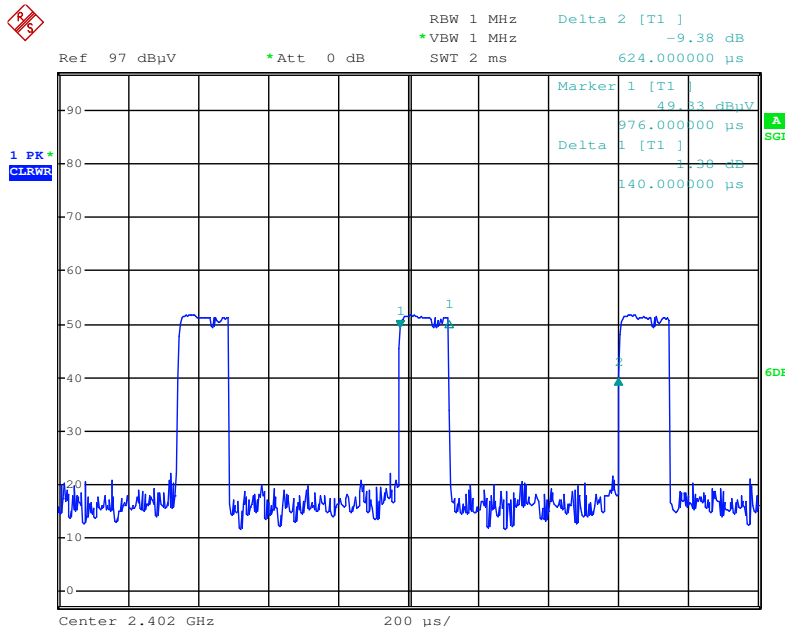
$$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot$$

$$[\sqrt{f_{(\text{GHz})}}] \leq 3.0 \text{ for 1-g SAR and } \leq 7.5 \text{ for 10-g extremity SAR}$$

- ♦ $f_{(\text{GHz})}$ 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

Max. Power		Duty Cycle (Note)	Tune-up Max. Power		Test Distance (mm)	Frequency (GHz)	Exclusion Thresholds
(dBm)	(mW)	(%)	(dBm)	(mW)			
2.65	1.8	22.44	-3.4	0.5	5	2.48	0.14

Note: The transmissions are sporadic and the duty cycle within a 100ms observation time is 3.8%.



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2. Per FCC KDB 447498 D01 v06 exclusion thresholds is $0.14 < 3$, RF exposure evaluation is not required.