



SPORTON International Inc.

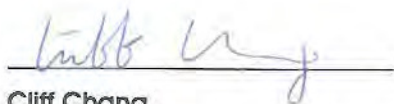
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Project No: CB10603296

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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History of This Test Report

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FA720703	Rev. 01	Initial issue of report	Mar. 28, 2017

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		
☐	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
☒	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

- 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:

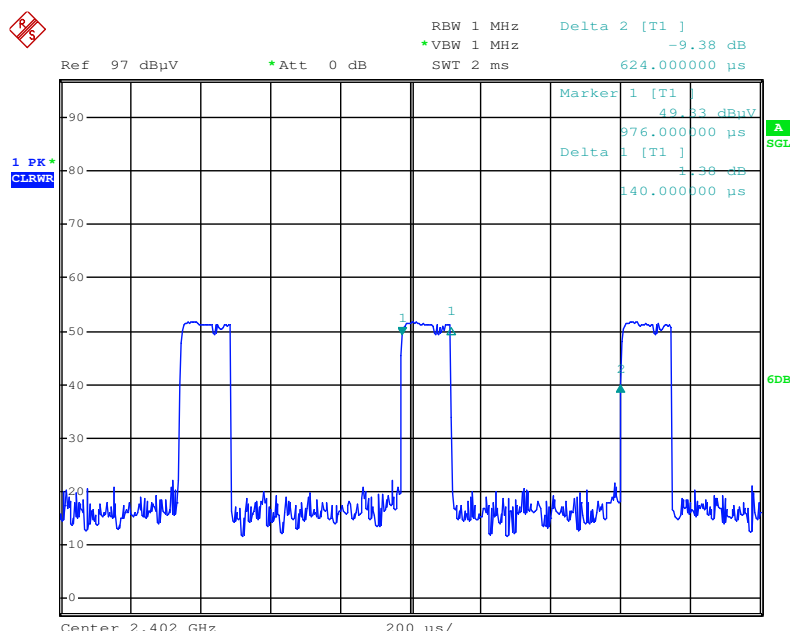
$$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot$$

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

- $f_{\text{(GHz)}}$ 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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- Per FCC KDB 447498 D01 v06 exclusion thresholds is $0.14 < 3$, RF exposure evaluation is not required.