

## TEST REPORT

Report Reference No.....: A160F16156-EMF

FCC ID.....: 2AHM6-AFL-151-0

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Date of issue.....: March14, 2016

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Address.....: No.17, Zongbu Road 2, Songshan Lake Sci&Tech, Industry Park, Dongguan City, Guangdong Province, China

Applicant's name .....: Accompany

Address.....: 24L, East Building, Changxing Square, Taoyuan Road, Nantou Sub-district, Nanshan District, Shenzhen, China

Test specification .....:

KDB447498 v06

Standard .....: 47CFR §2.1093

KDB865664 D02 v01r02

TRF Originator.....: Shenzhen CTL Electron Technology Co., Ltd.

Master TRF.....: Dated 2012-06

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Test item description .....: ASNAP

Trade Mark .....: ASNAP

Model/Type reference.....: AFL-151-0

Listed Models .....: /

Manufacturer .....: Accompany

Rating .....: DC 3.70V

Device category.....: Portable Device

Exposure category.....: General population/uncontrolled environment

EUT Type .....: Production Unit

Result.....: PASS

**TEST REPORT**

<b>Test Report No. :</b> <b>A160F16156-EMF</b>	March 14, 2016 Date of issue
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Equipment under Test : **ASNAP**

Model /Type : AFL-151-0

Listed Models : /

**Applicant** : **Accompany**

Address : 24L, East Building, Changxing Square, Taoyuan Road,  
Nantou Sub-district, Nanshan District, Shenzhen, China

**Manufacturer** : **Accompany**

Address : 24L, East Building, Changxing Square, Taoyuan Road,  
Nantou Sub-district, Nanshan District, Shenzhen, China

<b>Test Result</b>	<b>PASS</b>
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The test report merely corresponds to the test sample.  
It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

**\*\* Modified History \*\***

<b>Revision</b>	<b>Description</b>	<b>Issued Data</b>	<b>Remark</b>
Revision 1.0	Initial Test Report Release	2016-03-14	Andy Zhang

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## 1. TEST STANDARDS

The tests were performed according to following standards:

[IEEE Std C95.1, 1999](#): IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 KHz to 300 GHz. It specifies the maximum exposure limit of 1.6 W/kg as averaged over any 1 gram of tissue for portable devices being used within 20 cm of the user in the uncontrolled environment.

[FCC Part 2.1093 Radiofrequency Radiation Exposure Evaluation](#): Portable Devices

[KDB447498 D01 General RF Exposure Guidance v06](#) : RF Exposure Procedures and Equipment Authorization Policies for Mobile and Portable Devices

[KDB865664 D02 RF Exposure Reporting v01r02](#): RF Exposure Compliance Reporting and Documentation Considerations

## 2. SUMMARY

### 2.1. General Remarks

Date of receipt of test sample	:	March 02, 2016
Testing commenced on	:	March 11, 2016
Testing concluded on	:	March 11, 2016

### 2.2. Product Description

The **Accompany's** Model: AFL-151-0 or the "EUT" as referred to in this report; more general information as follows, for more details, refer to the user's manual of the EUT.

Name of EUT	ASnap
Model Number	AFL-151-0
FCC ID	2AHM6-AFL-151-0
Antenna Type	Internal
BT FCC Operation frequency	2402MHz-2480MHz
BT Modulation Type	GFSK
Bluetooth	Only supported BT 4.0
Power Supply	nominal: 3.70VDC
Antenna Type	Internal
Device category	Portable Device
Exposure category	General population/uncontrolled environment

### 2.3. Equipment under Test

#### Power supply system utilised

Power supply voltage	:	<input type="radio"/> 120V / 60 Hz	<input type="radio"/> 115V / 60Hz
		<input type="radio"/> 12 V DC	<input type="radio"/> 24 V DC
		<input checked="" type="radio"/> Other (specified in blank below)	

DC 3.70 V

### 2.4. Short description of the Equipment under Test (EUT)

#### 2.4.1 General Description

AFL-151-0 is ASnap with lower power Bluetooth technology (Bluetooth 4.0);

NOTE: Unless otherwise noted in the report, the functional boards installed in the units shall be selected from the below list, but not means all the functional boards listed below shall be installed in one unit.

### 2.5. EUT configuration

The following peripheral devices and interface cables were connected during the measurement:

● - supplied by the manufacturer

○ - supplied by the lab

<input type="radio"/>	Power Cable	Length (m) :	/
		Shield :	/
		Detachable :	/
<input type="radio"/>	Multimeter	Manufacturer :	/
		Model No. :	/

**Battery information:**

Capacitance:700mAh

Nominal Voltage:3.70V

**2.6. Note**

1. The EUT is a ASNAP with lower power Bluetooth function, The functions of the EUT listed as below:

	Test Standards	Reference Report
Bluetooth-LE	FCC Part 15.247	A160F16156-BLE
RF Exposure Report	FCC Per 47 CFR 2.1093(d)	A160F16156-EMF

### **3. TEST ENVIRONMENT**

#### **3.1. Address of the test laboratory**

**Dongguan Dongdian Testing Service Co.,Ltd**

No.17, Zongbu Road 2, Songshan Lake Sci&Tech, Industry Park, Dongguan City, Guangdong Province, China

There is one 3m semi-anechoic chamber and two line conducted labs for final test. The Test Sites meet the requirements in documents ANSI C63.4, CISPR 22/EN 55022 and CISPR16-1-4:2010 SVSWR requirements.

#### **3.2. Test Facility**

The test facility is recognized, certified, or accredited by the following organizations:

**IC Registration No.: 10288A-1**

The 3m alternate test site of Dongguan Dongdian Testing Service Co.,Ltd EMC Laboratory has been registered by Certification and Engineer Bureau of Industry Canada for the performance of with Registration No.: 10288A-1 on May, 2012.

**FCC-Registration No.: 270092**

Dongguan Dongdian Testing Service Co.,Ltd EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration 270092, Mar, 2015.

#### **3.3. Environmental conditions**

During the measurement the environmental conditions were within the listed ranges:

Temperature:	18-25 ° C
Humidity:	40-65 %
Atmospheric pressure:	950-1050mbar



## 4. Evaluation Method

According to KDB447498 D01 General RF Exposure Guidance v05r01 Section 4.3.1 Standalone SAR test exclusion considerations: “ Unless specifically required by the published RF exposure KDB procedures, standalone 1-g head or body and 10-g extremity SAR evaluation for general population exposure conditions, by measurement or numerical simulation, is not required when the corresponding SAR Test Exclusion Threshold condition, listed below, is satisfied. These test exclusion conditions are based on source-based time-averaged maximum conducted output power of the RF channel requiring evaluation, adjusted for tune-up tolerance, and the minimum test separation distance required for the exposure conditions.<sup>22</sup> The minimum test separation distance is determined by the smallest distance from the antenna and radiating structures or outer surface of the device, according to the host form factor, exposure conditions and platform requirements, to any part of the body or extremity of a user or bystander (see 5) of section 4.1). To qualify for SAR test exclusion, the test separation distances applied must be fully explained and justified by the operating configurations and exposure conditions of the transmitter and applicable host platform requirements, typically in the SAR measurement or SAR analysis report, according to the required published RF exposure KDB procedures. When no other RF exposure testing or reporting is required, a statement of justification and compliance must be included in the equipment approval, in lieu of the SAR report, to qualify for the SAR test exclusion. When required, the device specific conditions described in the other published RF exposure KDB procedures must be satisfied before applying these SAR test exclusion provisions; for example, handheld PTT two-way radios, handsets, laptops & tablets etc.<sup>23</sup> “

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f} \text{ (GHz)}] \leq 3.0$  for 1-g SAR and  $\leq 7.5$  for 10-g extremity SAR, where:

- $f$  (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
- 3.0 and 7.5 are referred to as the numeric thresholds in the step 2 below

The test exclusions are applicable only when the minimum test separation distance is  $\leq 50$  mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is  $< 5$  mm, a distance of 5 mm according to 5) in section 4.1 is applied to determine SAR test exclusion.

## 5. Evaluation Results

### 5.1 Conducted Power

Mode	Channel	Frequency (MHz)	Peak Conducted Output Power (dBm)
GFSK	0	2402	-1.041
	19	2440	-1.562
	39	2480	-2.189

### 5.2 Manufacturing tolerance

GFSK (Peak)			
Channel	Channel 0	Channel 19	Channel 39
Target (dBm)	-1.0	-1.0	-2.0
Tolerance $\pm$ (dB)	1.0	1.0	1.0

### 5.3 Evaluation Results

Band/Mode	f (GHz)	Antenna Distance (mm)	RF output power (including tune-up tolerance)		SAR Test Exclusion Threshold	SAR Test Exclusion
			dBm	mW		
Bluetooth*	2.450	5	0	1.000	0.3<3.0	Yes

Remark:

1. Bluetooth\* - Bluetooth including lower power Bluetooth
2. When the minimum test separation distance is  $< 5$  mm, a distance of 5 mm applied to determine SAR test exclusion

## **6. Conclusion**

The measurement results comply with the FCC Limit per 47 CFR 2.1093 for the uncontrolled RF Exposure and SAR Exclusion Threshold per KDB 447498 v06.

**.....End of Report.....**