



RF Exposure Evaluation Report

Product : SensePeanut

Trade mark : N/A

Model/Type reference : PEA001

Serial Number : N/A

Report Number : EED32l00158102

FCC ID : 2ABGNPEA001

Date of Issue : Jun. 15, 2016

Test Standards : 47 CFR Part 1.1307 (2015)

47 CFR Part 2.1093 (2015) KDB447498D01v06

Test result : PASS

Prepared for:

Sen.se

34 avenue des Champs Elysees 75008 Paris-France

Prepared by:

Centre Testing International (Shenzhen) Corporation Hongwei Industrial Zone, Bao'an 70 District, Shenzhen, Guangdong, China

TEL: +86-755-3368 3668 FAX: +86-755-3368 3385



Leven lan

Reviewed by:

Date:

kmen-Li

Sheek Luo

Lab supervisor

Jun. 15, 2016

Check No.: 2402652349









Report No. : EED32I00158102 Page 2 of 8

2 Version

Version No. Date		Description		
00	Jun. 15, 2016	Original		
/				(3)
			6	0

Tested By:	Tom - chen Tom chen (Test Project)	Data:	May 26, 2016
Prepared By:	Levin San Kevin Ian (Project Engineer)	Data:	Jun. 15, 2016
Checked By:	Emen _ L' Emen Li (Reviewer)	Data:	Jun. 15, 2016































































Page 3 of 8

Report No. : EED32I00158102

3 Contents

			Page
1 COVER PAGE			
2 VERSION			
3 CONTENTS			
4 GENERAL INFORMATION	l		
4.3 PRODUCT SPECIFICATIO 4.4 TEST LOCATION	N SUBJECTIVE TO THIS STAN	NDARD	
5 SAR EVALUATION			
5.1.1 Standard Requirer 5.1.2 Limits	ment	J. W. G.	
PHOTOGRAPHS OF EUT C	ONSTRUCTIONAL DETA	NLS	



















































4 General Information

4.1 Client Information

Applicant:	Sen.se
Address of Applicant:	34 avenue des Champs Elysees 75008 Paris-France
Manufacturer:	ABO Electronics
Address of Manufacturer:	Unit 201-202, Wang Rong Ind Park, 99 ind Zone Minzhu, Shajing, Baoan, Shenzhen
Factory:	ARTech
Address of Factory:	Room2011, Gongle Business Center, Gonghe Ind Road Xixiang, Baoan, Shenzhen

4.2 General Description of EUT

Product Name:	SensePeanut		
Mode No.(EUT):	PEA001		
Trade Mark:	N/A	(6,7,2)	(8)
EUT Supports Radios application:	2402MHz ~2480MHz		

4.3 Product Specification subjective to this standard

2/02MHz~2/80MHz	
2402IVII 12 - 2400IVII 12	
GFSK	
40	
Portable production	/02
N/A(manufacturer declare)	(65)
N/A(manufacturer declare)	10
1.0(manufacturer declare)	
1.0(manufacturer declare)	
Monopole PCB antenna	
LITHIUM BATTERY:1x3V(CR2032H)=3V	
-3.60dBm	
May 26, 2016	_0,
May 26, 2016 to Jun. 15, 2016	(5)
e sample information are provided by the client.	100
	40 Portable production N/A(manufacturer declare) N/A(manufacturer declare) 1.0(manufacturer declare) 1.0(manufacturer declare) Monopole PCB antenna LITHIUM BATTERY:1x3V(CR2032H)=3V -3.60dBm May 26, 2016 May 26, 2016 to Jun. 15, 2016

4.4 Test Location

All tests were performed at:

Centre Testing International (Shenzhen) Corporation

Hongwei Industrial Zone, Bao'an 70 District, Shenzhen, Guangdong, China518101

Telephone: +86 (0) 755 33683668 Fax:+86 (0) 755 33683385

No tests were sub-contracted.





Report No.: EED32I00158102 Page 5 of 8

4.5 Test Facility

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

FCC-Registration No.: 886427

Centre Testing International (Shenzhen) Corporation. 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 886427.

IC-Registration No.: 7408A-2

The 3m Alternate Test Site of Centre Testing International (Shenzhen) Corporation. has been registered by Certification and Engineering Bureau of Industry Canada for the performance of radiated measurements with Registration No. 7408A-2.

IC-Registration No.: 7408B-1

The 10m Alternate Test Site of Centre Testing International (Shenzhen) Corporation., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for the performance of radiated measurements with Registration No. 7408B-1.

NEMKO-Aut. No.: ELA503

Centre Testing International Group Co., Ltd. has been assessed the quality assurance system, the testing facilities, qualifications and testing practices of the relevant parts of the organization. The quality assurance system of the Laboratory has been validated against ISO/IEC 17025 or equivalent. The laboratory also fulfils the conditions described in Nemko Document NLA-10.

VCCI

The Radiation 3 &10 meters site of Centre Testing International Group Co., Ltd. has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: R-4096.

Main Ports Conducted Interference Measurement of Centre Testing International Group Co., Ltd. has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: C-4563.

Telecommunication Ports Conducted Disturbance Measurement of Centre Testing International Group Co., Ltd. has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: T-2146.

The Radiation 3 meters site of Centre Testing International Group Co., Ltd. has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: G-758



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Report No.: EED32I00158102 Page 6 of 8

4.6 Deviation from Standards

None.

4.7 Abnormalities from Standard Conditions

None.

4.8 Other Information Requested by the Customer

None.

































































Report No.: EED32I00158102 Page 7 of 8

RF Exposure Evaluation

5.1 RF Exposure Compliance Requirement

5.1.1 Standard Requirement

According to KDB447498D01 General RF Exposure Guidance v06

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 Exclusion Threshold condition, listed below, is satisfied.

5.1.2 Limits

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)] $[\sqrt{f(GHz)}] \le 3.0$ for 1-g SAR and ≤ 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 17

The result is rounded to one decimal place for comparison

The test exclusions are applicable only when the minimum test separation distance is ≤ 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 is applied to determine SAR test exclusion.

5.1.3 EUT RF Exposure

The Max Conducted Output Power is -3.60dBm in Middle channel(2.440GHz);

-3.60dBm logarithmic terms convert to numeric result is nearly 0.44mW

According to the formula. calculate the power test result:

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)]

[√f(GHz)]

General RF Exposure = $(0.44 \text{mW} / 5 \text{ mm}) \times \sqrt{2.440 \text{GHz}} = 0.14$

SAR requirement:

S = 3.0

2;

(1) < (2).

So the SAR report is not required.

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Report No. : EED32I00158102 Page 8 of 8

PHOTOGRAPHS OF EUT Constructional Details

Refer to Report No. EED32I00158101 for EUT external and internal photos.

*** End of Report ***

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