



FCC RF EXPOSURE REPORT

For

**LIFEPROOF AQ11
MODEL NUMBER: LPSAN-0007-A**

**FCC ID: UZZLPSAN0007
IC: 7633A-LPSAN0007**

REPORT NUMBER: 4787565288.3.1-4

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Prepared for

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Prepared by

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Revision History

Rev.	Issue Date	Revisions	Revised By
--	9/26/2016	Initial Issue	

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1. ATTESTATION OF TEST RESULTS

Applicant Information

Company Name: Beautiful Enterprise Co., Ltd.
Address: 27th Floor, Beautiful Group Tower, 77 Connaught Road Central, Hong Kong

Manufacturer Information

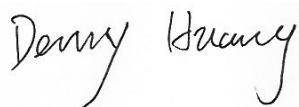
Company Name: Shenzhen Synchron Electronics Co., Ltd.
Address: No. 9 Mei Li Road, Xia Mei Lin, Fu Tian Area, Shenzhen, Guangdong, P.R. China

EUT Description

Product Name: LIFEPROOF AQ11
Brand Name: LIFEPROOF
Model Name: LPSAN-0007-A
FCC ID: UZZLPSAN0007
IC: 7633A-LPSAN0007
Date Tested: September 18, 2016 ~ September 21, 2016

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
FCC 47CFR§2.1093	Complies
KDB-447498 D01 V06	Complies

Tested By:



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Approved By:



Stephen Guo
Laboratory Manager

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Laboratory Leader

2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with KDB 447498 D01 General RF Exposure Guidance v05.

3. FACILITIES AND ACCREDITATION

Test Location	UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch.
Address	Building 10, Innovation Technology Park, Song Shan Lake Hi tech Development Zone, Dongguan, 523808, China
Accreditation Certificate	The Laboratory has been assessed and proved to be in compliance with IAS, The Certificate Registration Number is TL-702 .
Description	All measurement facilities use to collect the measurement data are located at Building 10, Innovation Technology Park, Song Shan Lake Hi tech Development Zone, Dongguan, 523808, China

4. REQUIREMENT

LIMIT AND CALCULATION METHOD

According to KDB-447498 D01 V06, FCC 1.1310: The criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency(RF)

Radiation as specified in §1.1307(b):

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:

$$\left[\frac{(\text{max. power of channel, including tune-up tolerance, mW})}{(\text{min. test separation distance, mm})} \right] \cdot \left[\sqrt{f_{\text{GHz}}} \right] \leq 3.0 \text{ for 1-g SAR and } \leq 7.5 \text{ for 10-g extremity SAR,}^{16} \text{ where}$$

- f_{GHz} is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation¹⁷
- 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.

Routine SAR evaluation refers to that specifically required by §2.1093, using measurements or computer simulation. When routine SAR evaluation is not required, portable transmitters with output power greater than the applicable low threshold require SAR evaluation to qualify for TCB approval.

CALCULATED RESULTS

GFSK Mode							
Frequency	Maximum Output Power	Tune Up Tolerance	Max Tune Up Power		Distance	Limit	Calculated Result
(GHz)	(dBm)	(dBm)	(dBm)	(mW)	(mm)	--	--
2.402	2.34	2.34±1.0	3.34	2.16	5	3	0.670
2.441	3.21	3.21±1.0	4.21	2.64	5	3	0.825
2.480	3.66	3.66±1.0	4.66	2.92	5	3	0.920

8DPSK Mode							
Frequency	Maximum Output Power	Tune Up Tolerance	Max Tune Up Power		Distance	Limit	Calculated Result
(GHz)	(dBm)	(dBm)	(dBm)	(mW)	(mm)	--	--
2.402	3.80	3.08±1.0	4.08	2.56	5	3	0.793
2.441	4.65	4.65±1.0	5.65	3.67	5	3	1.147
2.480	5.09	5.09±1.0	6.09	4.06	5	3	1.279

Note: 1. Calculation Results = Max Tune Up Power (mW) /5* √ Frequency (GHz)
 2. The Power comes from report 4787565288.3.1-2.
 3. Owing to the maximum Calculated Result is below the limit defined in FCC 1.1310, so it deemed to comply with the basic restrictions without testing which means that no SAR is required.

BLE Mode							
Frequency	Maximum Output Power	Tune Up Tolerance	Max Tune Up Power		Distance	Limit	Calculated Result
(GHz)	(dBm)	(dBm)	(dBm)	(mW)	(mm)	--	--
2.402	2.59	2.59±1.0	3.59	2.29	5	3	0.710
2.441	3.57	3.57±1.0	4.57	2.86	5	3	0.894
2.480	4.11	4.11±1.0	5.11	3.24	5	3	1.020

Note: 1. Calculation Results = Max Tune Up Power (mW) /5* √ Frequency (GHz)
 2. The Power comes from report 4787565288.3.1-3.
 3. Owing to the maximum Calculated Result is below the limit defined in FCC 1.1310, so it deemed to comply with the basic restrictions without testing which means that no SAR is required.

END OF REPORT