



RF EXPOSURE EVALUATION REPORT

FCC ID : 2AVZA-2374
Equipment : Bluetooth Device
Model Name : L5B83G
Applicant : Bluff Arches Cay LLC
6991 East Camelback Rd., SuiteD-300
Scottsdale, Arizona, 85251
Standard : 47 CFR Part 2.1093
FCC KDB 447498 D01 v06

We, SPORTON INTERNATIONAL INC has been evaluated this product in accordance with 47 CFR Part 2.1093 and it complies with applicable limit.

The results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.

Sporton Lab is accredited to ISO 17025 by Taiwan Accreditation Foundation (TAF code: 1190) and the FCC designation No. TW1190 under the FCC 2.948(e) by Mutual Recognition Agreement (MRA) in FCC evaluation.

Approved by: Cona Huang / Deputy Manager

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History of this test report

Report No.	Version	Description	Issued Date
FA050121-01	Rev. 01	Initial issue of report	Aug. 19, 2020
FA050121-02	Rev. 02	changed equipment description frontpage, section 1.1.	Mar. 16, 2021



1. General Information

1.1 Description of Device Under Test (DUT)

Product Feature & Specification	
DUT Type	Bluetooth Device
Model Name	L5B83G
FCC ID	2AVZA-2374
Wireless Technology and Frequency Range	Bluetooth: 2402 MHz ~ 2480 MHz
Mode	Bluetooth LE

Remark:

The above DUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.

RF exposure condition, as documented by manufacturer: hand-held (extremity) and front of face (mouth, for voice control)

Reviewed by: Jason Wang

Report Producer: Daisy Peng

2. Maximum RF output power among production units

Mode	Average power (dBm)	
	LE	
	1Mbps	2Mbps
Tune-up Limit	4.5	4.5



3. RF Exposure Evaluation

Bluetooth Max Power (dBm)	mW	Separation Distance (mm)	Frequency (GHz)	Exclusion Thresholds
4.5	2.82	5	2.48	0.89

Note:

1. Per KDB 447498 D01v06 the 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at *test separation distances* \leq 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 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

Conclusion: Per KDB 447498 D01v06, when the minimum test separation distance is $<$ 5 mm, a distance of 5 mm is applied to determine SAR test exclusion. The test exclusion threshold is 0.89 which is \leq 3, SAR testing is not required.