



**FCC Part 1 Subpart I  
FCC Part 2 Subpart J**

**RF EXPOSURE REPORT**

**FOR**

**Bluetooth(LE) Device**

**MODEL NAME: A1JT**

**FCC ID: A4R-A1JT**

**REPORT NUMBER: 11689563-E6V1**

**ISSUE DATE: 4/28/2017**

*Prepared for*

**GOOGLE INC.**

**1600 AMPHITREATRE PARKWAY  
MOUNTAIN VIEW, CA 94043, U.S.A.**

*Prepared by*

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**NVLAP LAB CODE 200065-0**

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Revision History

<u>Rev.</u>	<u>Issue Date</u>	<u>Revisions</u>	<u>Revised By</u>
V1	4/28/17	Initial Issue	---

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# 1. ATTESTATION OF TEST RESULTS

**COMPANY NAME:** GOOGLE INC.  
1600 AMPHITHEATRE PARKWAY  
MOUNTAIN VIEW, CA 94043, U.S.A.

**EUT DESCRIPTION:** Bluetooth Device

**MODEL:** A1JT

**SERIAL NUMBER:** 42004S (Radiated); 420023 (Conducted)

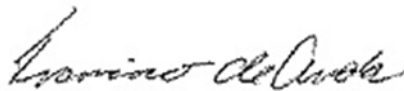
**DATE TESTED:** N/A

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
FCC PART 1 SUBPART I & PART 2 SUBPART J	Pass

UL Verification Services Inc. calculated the RF Exposure of the above equipment in accordance with the requirements set forth in the above standards, using test results reported in the test report documents referenced below and/or documentation furnished by the applicant. All indications of Pass/Fail in this report are opinions expressed by UL Verification Services Inc., based on interpretations of these calculations. The results show that the equipment is capable of demonstrating compliance with the requirements as documented in this report.

**Note:** The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. This document may not be altered or revised in any way unless done so by UL Verification Services Inc. and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by UL Verification Services Inc. will constitute fraud and shall nullify the document. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, any agency of the Federal Government, or any agency of the U.S. government.

Approved & Released For  
UL Verification Services Inc. By:



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Francisco de Anda  
CONSUMER TECHNOLOGY DIVISION  
Program Manager  
UL Verification Services Inc..

## **2. TEST METHODOLOGY**

All calculations were made in accordance with FCC KDB 447498.

## **3. REFERENCES**

Output power, Duty cycle and Antenna gain data is excerpted from the applicable test reports or client declarations.

## **4. FACILITIES AND ACCREDITATION**

The test sites and measurement facilities used to collect data are located at 47173 and 47266 Benicia Street, Fremont, California, USA

UL Verification Services Inc. is accredited by NVLAP, Laboratory Code 200065-0.

## **5. Device under test**

The EUT is a BLE device.

The user to antenna separation distance is <5mm.

## 6. STANDALONE SAR TEST EXCLUSION CONSIDERATIONS

### 6.1. FCC

SAR test exclusion in accordance with KDB 447498.

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:

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

- $f_{(\text{GHz})}$  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

This test exclusion is 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 is applied to determine SAR test exclusion.

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:

1.  $\{[\text{Power allowed at numeric threshold for 50 mm}]\} + \{[(\text{test separation distance} - 50 \text{ mm}) \cdot (f(\text{MHz})/150)]\}$  mW, for 100 MHz to 1500 MHz
  - $f_{(\text{MHz})}$  is the RF channel transmit frequency in MHz
2.  $\{[\text{Power allowed at numeric threshold for 50 mm}]\} + \{[(\text{test separation distance} - 50 \text{ mm}) \cdot 10]\}$  mW, for  $> 1500$  MHz and  $\leq 6$  GHz

#### SAR Exclusion Calculation Table for Portable Devices (separation distance $< 50$ mm)

Antenna	Tx	Frequency (MHz)	Avg Output power		Separation distances (mm)	Calculated Threshold
			dBm	mW		
Main	BLE	2480	0.50	1	5	0.3

#### Conclusion:

The computed values are  $< 3$ ; therefore, the device qualifies for Standalone SAR test exclusion.

**END OF REPORT**