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RF EXPOSURE REPORT

Applicant Name:
Apple, Inc.
1 Infinite Loop
Cupertino, CA 95014

Date of Evaluation:
08/08/2017
Test Site/Location:
PCTEST Lab, San Jose, CA, USA
Document Serial No.:
1C1707270004-04-R1.BCG

FCC ID:	**BCG-A1914**
MODEL:	**A1914**
APPLICANT:	**APPLE, INC.**

DUT Type:	Over-the-ear Headset
Application Type:	Certification
FCC Rule Part(s):	CFR §2.1093

SAR testing is not required to determine that this device will not exceed the FCC RF Exposure limit when being used at 0 mm from the human head and extremities.

Note: This revised RF Exposure Report (S/N: 1C1707270004-04-R1.BCG) supersedes and replaces the previously issued report on the same subject device for the same type of evaluation as indicated. Please discard or destroy the previously issued report(s) and dispose of it accordingly.

Randy Ortanez
President

ACCREDITED
TESTING CERT#2041.02

SAR Test Exclusion

This device contains a transmitter with Bluetooth and Bluetooth LE that may be used in close proximity to the user's head and extremities. The maximum conducted output power of the 2.4 GHz Bluetooth and Bluetooth LE is 5.13 mW.

Per FCC KDB 447498 D01v06, the 1g SAR exclusion threshold for distances ≤ 50mm is defined by the following equation:

$$\frac{Max\ Power\ of\ Channel\ (mW)}{Test\ Separation\ Dist\ (mm)} * \sqrt{Frequency\ (GHz)}\ \leq 3.0$$

Based on the maximum conducted power of 2.4 GHz BT/BT LE and the antenna to user separation distance of 0 mm, 1g Head SAR testing for 2.4 GHz BT/BT LE was not required; [(5 / 5)* √2.48] = 1.57 < 3.0. Per KDB Publication 447498 D01v06, the maximum power of the channel was rounded to the nearest mW before calculation. Since the minimum separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion according to FCC KDB Publication 447498 D01v06.

Per FCC KDB 447498 D01v06, the 10g SAR exclusion threshold for distances ≤ 50mm is defined by the following equation:

$$\frac{Max\ Power\ of\ Channel\ (mW)}{Test\ Separation\ Dist\ (mm)} * \sqrt{Frequency\ (GHz)}\ \leq 7.5$$

Based on the maximum conducted power of 2.4 GHz BT/BT LE and the antenna to user separation distance of 0 mm, 10g Extremity SAR testing for 2.4 GHz BT/BT LE was not required; [(5 / 5)* √2.48] = 1.57 < 7.5. Per KDB Publication 447498 D01v06, the maximum power of the channel was rounded to the nearest mW before calculation. Since the minimum separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion according to FCC KDB Publication 447498 D01v06.

Therefore, no SAR tests are required to determine that this device will not exceed the FCC RF Exposure limit when being used at 0 mm from the human head and extremities.