

RF Exposure Report

Report No.: SA180312C08

FCC ID: DMOBTT100

Test Model: BT T100

Received Date: Mar. 31, 2018

Test Date: Apr. 25 ~ Jun. 08, 2018

Issued Date: Jun. 12, 2018

Applicant: Sennheiser electronic GmbH & Co. KG

Address: Am Labor 1 D-30900 Wedemark, Germany

Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch

Lab Address: No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan (R.O.C.)

Test Location: No. 19, Hwa Ya 2nd Rd., Wen Hwa Vil., Kwei Shan Dist., Taoyuan City 33383, TAIWAN (R.O.C.)



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Release Control Record

Issue No.	Description	Date Issued
SA180312C08	Original release.	Jun. 12, 2018

1 Certificate of Conformity

Product: Bluetooth Audio Transmitter

Brand: SENNHEISER

Test Model: BT T100

Sample Status: Engineering sample

Applicant: Sennheiser electronic GmbH & Co. KG

Test Date: Apr. 25 ~ Jun. 08, 2018

Standards: FCC Part 2 (Section 2.1091)

KDB 447498 D01 General RF Exposure Guidance v06

IEEE C95.1

The above equipment has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's RF characteristics under the conditions specified in this report.

Prepared by :



Date: Jun. 12, 2018

Suntee Liu / Specialist

Approved by :



Date: Jun. 12, 2018

Bruce Chen / Project Engineer

2 RF Exposure

2.1 Limits for Maximum Permissible Exposure (MPE)

Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (mW/cm ²)	Average Time (minutes)
Limits For General Population / Uncontrolled Exposure				
300-1500	F/1500	30
1500-100,000	1.0	30

F = Frequency in MHz

2.2 MPE Calculation Formula

$$P_d = (P_{out} * G) / (4 * \pi * r^2)$$

where

P_d = power density in mW/cm²

P_{out} = output power to antenna in mW

G = gain of antenna in linear scale

π = 3.1416

R = distance between observation point and center of the radiator in cm

2.3 Classification

The antenna of this product, under normal use condition, is at least 20cm away from the body of the user. So, this device is classified as Mobile Device.

3 Calculation Result of Maximum Conducted Power

Function	Frequency Band (MHz)	Max Power (dBm)	Antenna Gain (dBi)	Distance (cm)	Power Density (mW/cm ²)	Limit (mW/cm ²)
Bluetooth EDR	2402~2480	2.99	3.73	20	0.001	1

4 Construction Photos of EUT

Please refer to the attached file (180312C08_EUT Photo).

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