RF Exposure Evaluation Report

Product Name : Wireless Headphones

Model No. : ATH-ANC900BT

FCC ID : JFZANC900BT

Applicant : Audio-Technica Corporation

Address : 2-46-1 Nishi-naruse, Machida, Tokyo,194-8666, Japan

Date of Receipt : Oct. 24, 2018

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Report No. : 18A0319R-SAUSP03V00

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Issued Date: Nov. 09, 2018
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Product Name	Wireless Headphones
Applicant	Audio-Technica Corporation
Address	2-46-1 Nishi-naruse, Machida, Tokyo,194-8666, Japan
Manufacturer	Audio-Technica Corporation
Model No.	ATH-ANC900BT
FCC ID.	JFZANC900BT
Trade Name	Audio-Technica Corporation
Applicable Standard	FCC 47 CFR 1.1307 KDB 447498 D01 v06
Test Result	Complied

Documented By : Joanne Lin

(Senior Adm. Specialist / Joanne Lin)

Tested By : wen Lee

(Engineer / Wen Lee)

Approved By :

(Director / Vincent Lin)

1. GENERAL INFORMATION

1.1. EUT Description

Product Name	Wireless Headphones
Trade Name	Audio-Technica Corporation
Model No.	ATH-ANC900BT
FCC ID.	JFZANC900BT
Frequency Range	2402 – 2480MHz
Channel Number	BT: 79CH BLE: 40CH
Type of Modulation	BT: FHSS: GFSK(1Mbps) / π /4DQPSK(2Mbps) / 8DPSK(3Mbps) BLE: GFSK(2Mbps)
Antenna Type	Chip Antenna
Antenna Gain	Refer to the table “Antenna List”

Antenna List

No.	Manufacturer	Part No.	Antenna Type	Peak Gain
1	MITSUBISHI	AM03DP-ST01	Chip Antenna	1.2 dBi for 2.4 GHz

2. RF Exposure Evaluation

2.1. Standard Applicable

According to 1.1307 (b)(1), systems operating under the provisions of this section shall be operated in a manner that ensure that the public is not exposed to radio frequency energy level in excess of the Commission's guideline.

2.2. Measurement Result:

According to KDB Publication 447498 D01, section 4.3.1, per the calculations of item 1 (Power(mW)/separation (mm)*sqrt(f(GHz)≤3.0), SAR is required as shown in the table below where calculated values are greater than 3.0:

1.) Operation frequency = 2450MHz and antenna separation distance = 5mm,
Body SAR Test Exclusion Threshold = 10mW

Frequency Band (MHz)	Maximum peak output power Peak Gain: 1.2dBi			Body SAR Test Exclusion Threshold	Calculated Threshold Value (≦3.0 SAR is not required)
	conducted (dBm)	EIRP (dBm)	EIRP (mW)	(mW)	
2402	2.74	3.94	2.48	10	0.768

Note1: The SAR/MPE measurement is not necessary.

Note2: The conducted maximum peak output power is refer to report No.: 18A0319R-RFUSP01V00 and 18A0319R-RFUSP01V00-A from the DEKRA.