

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

Date of Declaration: Nov. 09, 2018

Report No. : 18A0319R-SAUSP03V00

Report Version : V1.0

The test results relate only to the samples tested.

The test results shown in the test report are traceable to the national/international standard through the calibration report of the equipment and evaluated measurement uncertainty herein.

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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		
rippineuore sumuuru	KDB 447498 D01 v06		
Test Result	Complied		

Documented By	:	Joanne lin
		(Senior Adm. Specialist / Joanne Lin)
Tested By	:	wentee
		(Engineer / Wen Lee)
Approved By	:	Home 3
		(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(3Mbp			
	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:

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

	Maximum peak output power			Body SAR Test	
Frequency Band	Peak Gain: 1.2dBi			Exclusion Threshold	Calculated Threshold Value
(MHz)	conducted	EIRP	EIRP	(mW)	$(\leq 3.0 \text{ SAR is not required})$
	(dBm)	(dBm)	(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.