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RF Exposure Evaluation Report

APPLI CANT	AUDIO-TECHNICA CORPORATION
	2-46-1 Nishi-Naruse
	Machida
	Tokyo 194-8666 JAPAN
FCCID	JFZT3202DE2
IC	1752B-T3202DE2
MODEL NUMBER	ATW-T3202DE2
PRODUCT DESCRI PTI ON	3000 SERIES HANDHELD TRANSMITTER
STANDARD APPLIED	CFR 47 Part 2.1091, RSS-102
PREPARED BY	Tim Royer

We, TIMCO ENGINEERING, INC. would like to declare that the device has been evaluated in accordance with 47 CFR Part 2.1091 and ISED RSS-102 and meets the requirements.

The attached report shall not be reproduced except in full without the written approval of TIMCO ENGINEERING, INC.



GENERAL REMARKS

Attestations

This equipment has been evaluated in accordance with the standards identified in this report. To the best of my knowledge and belief, these evaluations were performed using the procedures described in this report.

I attest that the necessary evaluations were made, under my supervision, at:

Timco Engineering Inc. 849 NW State Road 45 Newberry, FL 32669



Authorized Signatory Name:

Tim Royer, Engineer

Date: 12/5/2017

Applicant:AUDIO-TECHNICA CORPORATIONFCC ID:JFZT3202DE2IC:1752B-T3202DE2Report:1737BUT17RF Exp MPE Rpt.docx



RF Exposure Requirements

General information

Device type: 3000 SERIES HANDHELD TRANSMITTER

<u>Antenna</u>

The manufacturer does not specify an antenna, but a typical antenna has a gain of 0 dBi.

Configuration	Antenna p/n	Туре	Max. Gain (dBi)
Fixed mounted	Any	omni	0

MPE Calculation:

The minimum separation distance is calculated as follows:

$$E(V/m) = \frac{\sqrt{30 \times P \times G}}{d}$$
 Power density: $P_d(mW/cm^2) = \frac{E^2}{3770}$

The limit for general uncontrolled exposure environment is shown in FCC rule Part 1.1310, Table 1 and ISED RSS-102.

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(DB 447498 D01	General RF Exp	osure Guid	uance vuo					
I.3.1. Standalone	•							
			ce less than or equa	l to 50 mm				
	· · ·							
AR Test Exclusio	on Calculator fo	or Portable	Devices	1				
			o determine SAR Ex	clusion				
/ax Powe	30 mW							
vin Separa	5 mm	When the	e minimum test sepa	aration distand	e is < 5 mr	n, a distan	ce of 5 mn	n is applied t
· · ·	0.53 GHz		• e SAR test exclusion					
Answer	4.4 Must be le	ess than or	equal to7.5 for SAF	R Exclusion		1		
	KDB 3886	24 D02Perr	nit But Ask List v15,	Item II. A. 5.				
	PBA is req	uired if:						
	General P	opulation:	The Answer is equal	to or greater	han 24 (8x	threshold)		
	Controlled	d Use: The J	Answer is equal to o	r greater than	60 (20x thr	eshold)		
					ot establis	hed for SAF	testing o	r when SAR
	and, wher	n published	RF exposure KDB pr	ocedures are <u>r</u>			0	
		•	RF exposure KDB pr to support complian		<u></u>		0	
		•	•					
	data is not	t provided t [FCC KDB q	•	ce. clusion condition	ons are ba	sed on sou	rce-based	time-
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