RF Exposure Evaluation Report

Product Name : BT Remote Control

Model No. : RCU 2

FCC ID : 2AK4D-RCU2

Applicant : Dynaudio A/S

Address : Sverigesvej 15, 8660 Skanderborg, Denmark

Date of Receipt : Mar. 03, 2021

Date of Declaration : Jun. 08, 2021

Report No. : 2130516R-E3082100014

Report Version : V1.0

Testing Laboratory

3023

Issued Date: Jun. 08, 2021
Report No.: 2130516R-E3082100014

Product Name	BT Remote Control	
Applicant	Dynaudio A/S	
Address	Sverigesvej 15, 8660 Skanderborg, Denmark	
Manufacturer	Dynaudio A/S	
Model No.	RCU 2	
FCC ID.	2AK4D-RCU2	
Trade Name	DYNAUDIO	
Applicable Standard	KDB 447498 D01 v06	☐ Minimum test separation distance ≥ 20 cm ☒ For low power devices
Test Result	Complied	

Documented By : Ida Tung
(Adm. Specialist / Ida Tung)

Tested By : wen Lee
(Supervisor / Wen Lee)

Approved By : Tim Sung
(Manager / Tim Sung)

Revision History

Report No.	Version	Description	Issued Date
2130516R-E3082100014	V1.0	Initial issue of report.	Jun. 08, 2021

1. GENERAL INFORMATION

1.1. EUT Description

Product Name	BT Remote Control
Trade Name	DYNAUDIO
Model No.	RCU 2
FCC ID.	2AK4D-RCU2
Frequency Range	2402-2480MHz
Channel Number	40CH
Type of Modulation	GFSK
Channel Control	Auto
Antenna Type	Print on PCB Antenna
Antenna Gain	Refer to the table “Antenna List”

1.2. Antenna List

No.	Manufacturer	Part No.	Antenna Type	Peak Gain
1	Shenzhen MDK Digital Technology Co., Ltd.	MDK3016-RTL8752CRF-ANT	Print on PCB Antenna	-5.11dBi 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,
SAR Test Exclusion Threshold = 10mW

Frequency Band	Maximum peak output power		SAR Test Exclusion Threshold	Calculated Threshold Value (≦3.0 SAR is not required)
	(dBm)	(mW)	(mW)	
2480MHz	6.01	3.99	10	1.257

Note1: The SAR/MPE measurement is not necessary.

Note2: The Maximum Peak EIRP power is refer to report No.: 2130516R-E3032110108 from the DEKRA.