

RF Exposure Evaluation Report

Product Name : Bluetooth Speaker

Model No. : KATCH G2

FCC ID : 2AFD2KATCHG2

Applicant : DALI A/S

Address : Dali Alle 1,DK-9610 Norager, Denmark.

Date of Receipt : Oct. 19, 2020

Date of Declaration : Feb. 24, 2021

Report No. : 20A0428R-E3082100013

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.

This report must not be used to claim product endorsement by TAF or any agency of the government.

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Measurement uncertainties evaluated for each testing system and associated connections are given here to provide the system information for reference. Compliance determinations do not take into account measurement uncertainties for each testing system, but are based on the results of the compliance measurement.

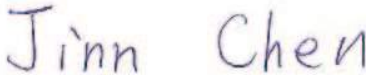
Issued Date: Feb. 24, 2021

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Product Name	Bluetooth Speaker	
Applicant	DALI A/S	
Address	Dali Alle 1,DK-9610 Norager, Denmark.	
Manufacturer	DALI A/S	
Model No.	KATCH G2	
FCC ID.	2AFD2KATCHG2	
Trade Name	DALI	
Applicable Standard	KDB 447498 D01 v06	☐ Minimum test separation distance ≥ 20 cm ☒ For low power devices
Test Result	Complied	

Documented By :



(Senior Adm. Specialist / Jinn Chen)

Tested By :



(Senior Engineer / Wen Lee)

Approved By :



(Director / Vincent Lin)

Revision History

Report No.	Version	Description	Issued Date
20A0428R-E3082100013	V1.0	Initial issue of report.	Feb. 24, 2021

1. GENERAL INFORMATION

1.1. EUT Description

Product Name	Bluetooth Speaker
Trade Name	DALI
Model No.	KATCH G2
FCC ID.	2AFD2KATCHG2
Frequency Range	2402 – 2480MHz
Channel Number	79CH
Type of Modulation	FHSS: GFSK(1Mbps) / π / 4DQPSK(2Mbps) / 8DPSK(3Mbps)
Antenna Type	Internal Antenna
Antenna Gain	Refer to the table “Antenna List”

1.2. Antenna List

No.	Manufacturer	Part No.	Antenna Type	Peak Gain
1	Meiloon Industrial Co., Ltd.	RF-TRSPIPAD	Internal Antenna	2.03dBi 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 ($\text{Power(mW)}/\text{separation (mm)} \cdot \sqrt{f(\text{GHz})} \leq 3.0$), 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

Frequency Band (MHz)	Maximum Peak output power Peak Gain: 2.03 dBi			SAR Test Exclusion Threshold	Calculated Threshold Value (≤ 3.0 SAR is not required)
	Conducted (dBm)	EIRP (dBm)	EIRP (mW)	(mW)	
2402	1.53	3.56	2.27	10	0.704

Note1: The SAR/MPE measurement is not necessary.

Note2: The conducted output power is refer to report No.: 20A0428R-E3032110108 from the DEKRA.