RF Exposure Evaluation Report

FCC ID	**:**	**2AFD2-IO12**
Equipment	**:**	**Wireless Hi-Fi Headphones**
Brand Name	**:**	**DALI**
Model Name	**:**	**DALI iO-12**
Applicant	**:**	**DALI A/S** **DALI Allé 1, 9610 Norager Denmark**
Manufacturer	**:**	**DALI A/S** **DALI Allé 1, 9610 Norager Denmark**
Standard	**:**	**47 CFR FCC Part 2 Subpart J, section 2.1093**

The product was received on Mar. 29, 2023, and testing was started from Jun. 28, 2023 and completed on Jun. 28, 2023. We, SPORTON INTERNATIONAL INC. Hsinhua Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in KDB 447498 D04 Interim General RF Exposure Guidance v01 and shown compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC. Hsinhua Laboratory, the test report shall not be reproduced except in full.

Approved by: Jackson Tsai

SPORTON INTERNATIONAL INC. Hsinhua Laboratory

No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)

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History of This Test Report

Report No.	Version	Description	Issued Date
FA332903	01	Initial issue of report	Aug. 11, 2023

Reviewed by: Ben Tseng

Report Producer: Michelle Tsai

1. General Description

1.1. EUT General Information

RF General Information			
Evaluation Mode	**Frequency Range (MHz)**	**Operating Frequency (MHz)**	**Modulation Type**
Bluetooth	2400-2483.5	2402-2480	BR / EDR: FHSS (GFSK / π/4-DQPSK / 8DPSK) LE: DSSS (GFSK)

1.2. Testing Location Information

Test Lab.：Sporton International Inc. Hsinhua Laboratory		
☒ Hsinhua	**ADD:** No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)	
(TAF: 3785**)**	**TEL:** 886-3-327-3456	**FAX:** 886-3-327-0973
Test site Designation No. TW3785 with FCC.		
☐ Wen 33rd.St.	**ADD:** No.14-1, Ln. 19, Wen 33rd St., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)	
(TAF: 3785**)**	**TEL:** 886-3-318-0787	**FAX:** 886-3-318-0287
Test site Designation No. TW0008 with FCC.		

2. RF Exposure Evaluation

2.1. Applicable Standard

In accordance with FCC 47 CFR part 2 (2.1093) this device has been defined as a portable device which is defined as a transmitting device designed to be used so that the radiating structure(s) of the device is/are within 20 centimeters of the body of the user.

Portable devices must be evaluated using the specified in FCC 47 CFR part 2 (2.1093) and ANSI/IEEE C95.1-1992, and had been tested in accordance with the measurement methods and procedures specified in IEEE 1528-2003.

2.2. SAR evaluation

1. Per KDB 447498 D04 Interim General RF Exposure Guidance v01,
   Option (B): 1.1307(b)(3)(i)(B): Device operates between 300 MHz and 6 GHz and the maximum time-averaged power or effective radiated power (ERP), whichever is greater, <= Pth.

$$P_{th}\ (\text{mW}) = \begin{cases} ERP_{20\ cm}(d/20\ \text{cm})^{x} & d \le 20\ \text{cm} \\ ERP_{20\ cm} & 20\ \text{cm} < d \le 40\ \text{cm} \end{cases}$$

Where

$$x = -\log_{10}\left(\frac{60}{ERP_{20\ cm}\sqrt{f}}\right) \text{ and } f \text{ is in GHz;}$$

and

$$ERP_{20\ cm}\ (\text{mW}) = \begin{cases} 2040f & 0.3\ \text{GHz} \le f < 1.5\ \text{GHz} \\ 3060 & 1.5\ \text{GHz} \le f \le 6\ \text{GHz} \end{cases}$$

d = the separation distance (cm);

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	S (mW/cm^2)	S Limit (mW/cm^2)	Option	TL ERP (mW)
2.4G;BT-BR	0.5	3.28	3.78	0.5	1.63	0.5	0.85281	1.00000	B	2.753
2.4G;BT-EDR	0.5	3.31	3.81	0.5	1.64	0.5	0.85872	1.00000	B	2.788
2.4G;BT-LE	0.5	3.01	3.51	0.5	1.54	0.5	0.80140	1.00000	B	2.788

2. Per KDB 447498 D04 Interim General RF Exposure Guidance v01 exclusion thresholds is 1.64 < 2.788, RF exposure evaluation is not required.

THE END