

RF Exposure

Applicant : FUNLOGY Inc.
Address : Ereruchibaminato Building 6F, 1-1 Tonyacho Chuo-ku,
Chiba-shi, Chiba-ken, 260-0025, Japan
Product Name : FUNLOGY Soundbar
Brand Mark : FUNLOGY
Model : FLDH6
Series model : FLDH6, FLDH6B
Report Number : BLA-EMC-202509-A0303
FCC ID : 2BRG4-DH6
Date of Receipt : Sept. 03,2025
Date of Test : Sept. 03,2025 to Nov. 07,2025
Test Standard : 47 CFR Part 15, Part1.1307
47 CFR Part 15, Part1.1310
Test Result : Pass

Compiled by:

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Review by:

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Approved by:

J. Zheng

Issued Date: Nov. 10, 2025



BlueAsia of Technical Services(Shenzhen) Co.,Ltd.

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Revise Record

Version No.	Date	Description
01	Nov. 10,2025	Original

1 General information

1.1 General information

Applicant	FUNLOGY Inc.
Address	Ereruchibaminato Building 6F, 1-1 Tonyacho Chuo-ku, Chiba-shi, Chiba-ken, 260-0025, Japan
Manufacturer	Shenzhen Haiqian Technology Co.,Ltd.
Address	Floor 5,Building A1,No.55,Pinshun Road,Guixiang Community,Guanlan Street,Longhua District,Shenzhen
Factory	N/A
Address	N/A

1.2 General description of EUT

Product name	FUNLOGY Soundbar
Model no.	FLDH6
Series model	FLDH6, FLDH6B
Differences of Series model	The software and hardware of the products are identical between the reported models and the main certification model, and the differences are model name name which are used to distinguish different sales channels.
Power supply or adapter information	Input: 100-240V~1.2A 50/60Hz Output: 18V $\overline{\text{---}}$ 2.33A
Hardware version	V1.0
Software version	V21
Engineer sample no.	BLA-EMC-202509-A03

Note: For a more detailed description, please refer to Specification or User's Manual supplied by the applicant and/or manufacturer.

For BT

Operation Frequency	2402MHz-2480MHz
Modulation Type	GFSK, $\pi/4$ DQPSK, 8DPSK
Channel Spacing	1MHz
Number of Channels	79
Antenna Type	PCB antenna
Antenna Gain	3.38dBi(Provided by customer)

2 Laboratory and accreditations

The test facility is recognized, certified, or accredited by the following organizations:

Company name:	BlueAsia of Technical Services(Shenzhen) Co., Ltd.
Address:	Building C, No. 107, Shihuan Road, Shiyan Sub-District, Baoan District, Shenzhen, Guangdong Province, China
CNAS accredited No.:	L9788
A2LA Cert. No.:	5071.01
FCC Designation No.:	CN1252
ISED CAB identifier No.:	CN0028
Telephone:	+86-755-28682673
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3 RF Exposure Compliance Requirement

3.1 Standard Requirement

According to FCC Part1.1310: The criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency (RF) radiation as specified in part1.1307(b)

3.2 Limits

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)
(i) Limits for Occupational/Controlled Exposure				
0.3-3.0	614	1.63	*(100)	≤6
3.0-30	1842/f	4.89/f	*(900/f ²)	<6
30-300	61.4	0.163	1.0	<6
300-1,500			f/300	<6
1,500-100,000			5	<6
(ii) Limits for General Population/Uncontrolled Exposure				
0.3-1.34	614	1.63	*(100)	<30
1.34-30	824/f	2.19/f	*(180/f ²)	<30
30-300	27.5	0.073	0.2	<30
300-1,500			f/1500	<30
1,500-100,000			1.0	<30

f = frequency in MHz. * = Plane-wave equivalent power density.

F= Frequency in MHz

Friis Formula

Friis transmission formula: $P_d = (P_{out} * G) / (4 * \pi * R^2)$

Where

P_d = power density in mW/cm²

P_{out} = output power to antenna in mW

G = gain of antenna in linear scale

π = 3.1416

R = distance between observation point and center of the radiator in cm

P_d is the limit of MPE, 1 mW/cm². If we know the maximum gain of the antenna and the total power input to the antenna, through the calculation, we will know the distance r where the MPE limit is reached.

3.3 Result

Calculated Result and Limit (WORSE CASE IS AS BELOW)

Mode	Frequency (MHz)	Max Output power(dBm)	Max Output power(mW)	Ant gain (dBi)	Power density at R = 20 cm (mW/cm ²)	Limit of Power density in mW/cm ²	Result
3-DH1	2441	1.984	1.58	3.38	0.00068	1	Pass

ERP=Max Output power+Ant gain-2.15

Comply with RF exposure exemption limit.

----END OF REPORT----

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