

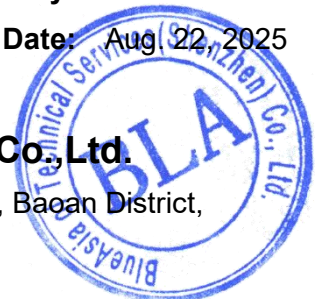
# RF Exposure

**Applicant** : FUNLOGY Inc.  
**Address** : Ereruchibaminato Building 6F, 1-1, Tonyacho, Chuo-ku,  
Chiba-shi, Chiba-ken, 260-0025, Japan  
**Product Name** : Bluetooth speaker  
**Brand Mark** : FUNLOGY  
**Model** : FL01M  
**FCC ID** : 2BRG4-FL01M  
**Report Number** : BLA-EMC-202508-A5803  
**Date of Receipt** : Aug. 12, 2025  
**Date of Test** : Aug. 12, 2025 to Aug. 22, 2025  
47 CFR Part 15, Part1.1307  
**Test Standard** : 47 CFR Part 15, Part2.1093  
KDB447498D04 General RF Exposure Guidance v01  
**Test Result** : Pass

Compiled by: *Hugh*      Review by: *Xavier*      Approved by: *Blue Zheng*  
Issued Date: Aug 22, 2025

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

Address: Building C, No. 107, Shihuan Road, Shiyuan Sub-District, Baoan District,  
Shenzhen, Guangdong Province, China



*The test report is effective only with both signature and specialized stamp and The result(s) shown in this report refer only to the sample(s) tested. Without written approval of BlueAsia, this report can't be reproduced except in full. The results described in this report do not represent the quality or characteristics of the sampled batch, nor do they represent any similar or identical products that are not explicitly stated.*

## Table of Contents

<b>1</b>	<b>General information .....</b>	<b>4</b>
1.1	General information .....	4
1.2	General description of EUT .....	4
<b>2</b>	<b>Laboratory and accreditations .....</b>	<b>5</b>
<b>3</b>	<b>RF Exposure Compliance Requirement .....</b>	<b>6</b>
3.1	Standard Requirement .....	6
3.2	Limits .....	6
3.3	Result .....	7

## Revise Record

Version No.	Date	Description
01	Aug. 22, 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	WALSEN PRODUCT LIMITED
Address	RM 812, 8/F HARRY IND BLDG, NO 49-51 AU PUI WAN ST, FOTAN NT, HONG KONG
Factory	N/A
Address	N/A

### 1.2 General description of EUT

Product name	Bluetooth speaker
Model no.	FL01M
Series model	N/A
Operation Frequency:	2402MHz-2480MHz
Modulation Type:	GFSK, pi/4DQPSK, 8DPSK
Channel Spacing:	1MHz
Number of Channels:	79
Antenna Type:	PCB antenna
Antenna Gain:	-0.58dBi(Provided by customer)
Power supply or adapter information	DC3.7V by battery
Hardware Version	FL01M-V1.0
Software Version	soundbox_v170_standard

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

## 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
FAX:	+86-755-28682673

### 3 RF Exposure Compliance Requirement

#### 3.1 Standard Requirement

According to 447498 D04 Interim General RF Exposure Guidance v01

Standalone SAR test exclusion considerations

Unless specifically required by the published RF exposure KDB procedures, standalone 1-g head or body and 10-g extremity SAR evaluation for general population exposure conditions, by measurement or numerical simulation, is not required when the corresponding SAR Exclusion Threshold condition, listed below, is satisfied.

#### 3.2 Limits

$$P_{th} \text{ (mW)} = \begin{cases} ERP_{20 \text{ cm}} (d/20 \text{ cm})^x & d \leq 20 \text{ cm} \\ ERP_{20 \text{ cm}} & 20 \text{ cm} < d \leq 40 \text{ cm} \end{cases} \quad (\text{B. 2})$$

where

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

and  $f$  is in GHz,  $d$  is the separation distance (cm), and  $ERP_{20 \text{ cm}}$  is per Formula (B.1).

Example values shown in Table B.2 are for illustration only.

Table B.2—Example Power Thresholds (mW)

Frequency (MHz)	Distance (mm)										
		5	10	15	20	25	30	35	40	45	50
	300	39	65	88	110	129	148	166	184	201	217
	450	22	44	67	89	112	135	158	180	203	226
	835	9	25	44	66	90	116	145	175	207	240
	1900	3	12	26	44	66	92	122	157	195	236
	2450	3	10	22	38	59	83	111	143	179	219
	3600	2	8	18	32	49	71	96	125	158	195
	5800	1	6	14	25	40	58	80	106	136	169

$$P_{th} \text{ (mW)} = ERP_{20 \text{ cm}} \text{ (mW)} = \begin{cases} 2040f & 0.3 \text{ GHz} \leq f < 1.5 \text{ GHz} \\ 3060 & 1.5 \text{ GHz} \leq f \leq 6 \text{ GHz} \end{cases} \quad (\text{B. 1})$$

### 3.3 Result

$$\text{EIRP} = \text{pt} \times \text{gt} = (\text{E} \times \text{d})^2 / 30$$

Where:

pt = transmitter output power in watts,

gt = numeric gain of the transmitting antenna (unitless),

E = electric field strength in V/m,

d = measurement distance in meters (m)

$$\text{Spot} = (\text{E} \times \text{d})^2 / 30 \times \text{gt}$$

Separation distance = 0.5cm

Ant gain = -0.58dBi

For BT(Worst):

Max Output power = -1.017dBm @ 8DPSK 2480MHz

$$\text{EIRP} = -1.017\text{dBm} - 0.58\text{ dBi} = -1.597\text{dBm} = 0.692\text{mW} < 2.717\text{mW}$$

$$\text{ERP} = -1.597 - 2.15 = -3.747\text{dBm}$$

Comply with RF exposure exemption limit.

----END OF REPORT----

The test report is effective only with both signature and specialized stamp, the result(s) shown in this report refer only to the sample(s) tested. Without written approval of BlueAsia, this report can't be reproduced except in full.