

RF Exposure

Applicant : SOUNDLAB TECHNOLOGY CO.,LTD
Floor 6-7, 1-3, Building#2, No. 6-2, Shangxia Middle
Address : Road, Shangxia Area,Dongjiang Science Park,Zhongkai
High-tech Zone, Huizhou
Product Name : Turtlebox Party Mode Adapter - Dongle
Brand Mark : N/A
Model : ACCS-PMA-1
FCC ID : 2ATKO-ACCSPMA1
Report Number : BLA-EMC-202509-A4604
Date of Receipt : Sep. 16, 2025
Date of Test : Sep. 16, 2025 to Apr. 14, 2026
47 CFR Part 15, Part1.1307
Test Standard : 47 CFR Part 15, Part2.1091
KDB447498D04 General RF Exposure Guidance v01
Test Result : Pass

Compiled by: *Hugh* Review by: *Xavier* Approved by: *Blue Zheng*
Issued Date: Apr. 14, 2026

BlueAsia Technical Services (Shenzhen) Co., Ltd

Address: No.41, South of Beihuan Road, Shangwu Community, Shiyan
Subdistrict, Bao'an District, Shenzhen, Guangdong, China



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Table of Contents

1	General information	4
1.1	General information	4
1.2	General description of EUT	4
2	Laboratory and accreditations	6
3	RF Exposure Compliance Requirement	7
3.1	Standard Requirement	7
3.2	Limits	7
3.3	Result	8

Revise Record

Version No.	Date	Description
01	Apr. 14, 2026	Original

1 General information

1.1 General information

Applicant	SOUNDLAB TECHNOLOGY CO.,LTD
Address	Floor 6-7, 1-3, Building#2, No. 6-2, Shangxia Middle Road, Shangxia Area,Dongjiang Science Park,Zhongkai High-tech Zone, Huizhou
Manufacturer	SOUNDLAB TECHNOLOGY CO.,LTD
Address	Floor 6-7, 1-3, Building#2, No. 6-2, Shangxia Middle Road, Shangxia Area,Dongjiang Science Park,Zhongkai High-tech Zone, Huizhou
Factory	SOUNDLAB TECHNOLOGY CO.,LTD
Address	Floor 6-7, 1-3, Building#2, No. 6-2, Shangxia Middle Road, Shangxia Area,Dongjiang Science Park,Zhongkai High-tech Zone, Huizhou

1.2 General description of EUT

Product name	Turtlebox Party Mode Adapter - Dongle
Model no.	ACCS-PMA-1
Series model	N/A
Power supply	DC3.7V by battery
Hardware Version	V2
Software Version	V004

BLE:

Operation Frequency:	2402MHz-2480MHz
Modulation Type:	GFSK
Rate data:	1Mbps; 2Mbps
Channel Spacing:	2MHz
Number of Channels:	40
Antenna Type:	Internal antenna
Antenna Gain:	4.44dBi(Provided by customer)

BT:

Operation Frequency:	2402MHz-2480MHz
Modulation Type:	GFSK, pi/4DQPSK, 8DPSK
Channel Spacing:	1MHz
Number of Channels:	79
Antenna Type:	Internal antenna
Antenna Gain:	4.44dBi(Provided by customer)

2 Laboratory and accreditations

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

Company name:	BlueAsia Technical Services (Shenzhen) Co.,Ltd.
Address:	No.41, South of Beihuan Road, Shangwu Community, Shiyan Subdistrict, Bao'an District, Shenzhen, Guangdong, 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 = 20cm

Ant gain = 4.44dBi

For BLE(Worst):

Max Output power = -0.619dBm @ 2442MHz BLE 2M

$$\text{EIRP} = -0.619\text{dBm} + 4.44\text{dBi} = 3.821\text{dBm} = 2.410\text{mW} < 3060\text{mW}$$

$$\text{ERP} = 3.821 - 2.15 = 1.671\text{dBm}$$

Comply with RF exposure exemption limit.

For BT(Worst):

Max Output power = -1.126dBm @ 2441MHz 8DPSK

$$\text{EIRP} = -1.126\text{dBm} + 4.44\text{dBi} = 3.314\text{dBm} = 2.145\text{mW} < 3060\text{mW}$$

$$\text{ERP} = 3.314 - 2.15 = 1.164\text{dBm}$$

Comply with RF exposure exemption limit.

----END OF REPORT----

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