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TEST REPORT

Report No. : CQASZ20260801760E-02
Applicant: Dongguan Shunlang Electronics Co., Ltd
Address of Applicant: Floor 5, Building 2, Shenxiang Industrial Park, Dabandi Cuntou Community,
Humen town, Dongguan China
Equipment Under Test (EUT):
EUT Name: Sharp Portable Sleep Machine Alarm Clock
Model No.: SPC5169, SPC5169BT, SPC5169BTBAMZ, SPC5169BTCAMZ,
SPC5169BTLAMZ
Test Model No.: SPC5169
Brand Name: SHARP
FCC ID: 2AVMZ-SPC5169
47 CFR Part 1.1307
Standards: 47 CFR Part 1.1310
KDB447498D01 General RF Exposure Guidance v06
Date of Receipt: 2026-08-10
Date of Test: 2026-08-10 to 2026-08-18
Date of Issue: 2026-8-25
Test Result : PASS

Tested By:

Azir Wang

(Azir Wang)

Reviewed By:

Timo Lei

(Timo Lei)

Approved By:

Jack Ai

(Jack Ai)



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1. Version

Revision History Of Report

Report No.	Version	Description	Issue Date
CQASZ20260801760E-02	Rev.01	Initial report	2026-8-25

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3. General Information

4. Client Information

Applicant:	Dongguan Shunlang Electronics Co., Ltd
Address of Applicant:	Floor 5, Building 2, Shenxiang Industrial Park, Dabandi Cuntou Community, Humen town, Dongguan China
Manufacturer:	Dongguan Shunlang Electronics Co., Ltd
Address of Manufacturer:	Floor 5, Building 2, Shenxiang Industrial Park, Dabandi Cuntou Community, Humen town, Dongguan China
Factory:	Dongguan Shunlang Electronics Co., Ltd
Address of Factory:	Floor 5, Building 2, Shenxiang Industrial Park, Dabandi Cuntou Community, Humen town, Dongguan China

5. General Description of EUT

Product Name:	Sharp Portable Sleep Machine Alarm Clock
Model No.:	SPC5169, SPC5169BT, SPC5169BTBAMZ, SPC5169BTCAMZ, SPC5169BTLAMZ
Test Model No.:	SPC5169
Trade Mark:	SHARP
Software Version:	V1.0
Hardware Version:	REV:01
Power Supply:	Li-ion battery DC 3.7V 1200mAh, Charge by DC 5V for adapter
Simultaneous Transmission	☐ Simultaneous TX is supported and evaluated in this report. ☒ Simultaneous TX is not supported.

6. General Description of BT

Operation Frequency:	2402MHz~2480MHz
Modulation Type:	GFSK, $\pi/4$ DQPSK, 8DPSK
Transfer Rate:	1Mbps/2Mbps/3Mbps
Number of Channel:	79
Product Type:	☐ Mobile ☒ Portable ☐ Fix Location
Antenna Type:	PCB antenna
Antenna Gain:	-0.68dBi

RF Exposure Evaluation

RF Exposure Compliance Requirement

Standard Requirement

According to KDB447498D01 General RF Exposure Guidance v06

4.3.1. 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.

Limits

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

$$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0 \text{ for 1-g SAR and } \leq 7.5 \text{ for 10-g extremity SAR, where}$$
$$f(\text{GHz}) \text{ is the RF channel transmit frequency in GHz}$$

Power and distance are rounded to the nearest mW and mm before calculation¹⁷

The result is rounded to one decimal place for comparison

The test exclusions are applicable only when the minimum test separation distance is ≤ 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion

EUT RF Exposure

1) For BT

Measurement Data

Worst case: 8DPSK				
Test Channel	Peak Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power	
			(dBm)	(mW)
Lowest(2402MHz)	2.22	2.0±1	3.0	1.995
Middle(2441MHz)	2.80	3.0±1	4.0	2.512
Highest(2480MHz)	2.99	3.0±1	4.0	2.512

Worst case: 8DPSK			
Channel	Maximum tuneup Power (mW)	Calculated value	Exclusion threshold
Lowest (2402MHz)	1.995	0.618	3.0
Middle (2441MHz)	2.512	0.785	
Highest (2480MHz)	2.512	0.791	
Conclusion: the calculated value ≤3.0, SAR is exempted.			

Remark: The Max Conducted Peak Output Power data refer to report Report No.: CQASZ20260801760E-01