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TEST REPORT

Report No. : CQASZ20260601252E-03
Applicant: Shenzhen Dale Sensor Tech Co Ltd
Address of Applicant: Room 903, Building 1, Qianhai Kexing Science Park, Laodong Community,
Xixiang Subdistrict, Bao'an District, Shenzhen City, Guangdong Province,
P.R.China
Equipment Under Test (EUT):
EUT Name: AeroBand PocketDrum
Model No.: PD2 Ultra
Test Model No.: PD2 Ultra
Brand Name: AeroBand
FCC ID: 2BCSTPD02-U
47 CFR Part 1.1307
Standards: 47 CFR Part 1.1310
KDB447498D01 General RF Exposure Guidance v06
Date of Receipt: 2026-06-17
Date of Test: 2026-06-17 to 2026-07-29
Date of Issue: 2026-9-4
Test Result : PASS

Tested By: Azir Wang
(Azir Wang)

Reviewed By: Timo Lei
(Timo Lei)

Approved By: Jack Ai
(Jack Ai)



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 CQA, this report can't be reproduced except in full.

1. Version

Revision History Of Report

Report No.	Version	Description	Issue Date
CQASZ20260601252E-03	Rev.01	Initial report	2026-9-4

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3. General Information

4. Client Information

Applicant:	Shenzhen Dale Sensor Tech Co Ltd
Address of Applicant:	Room 903, Building 1, Qianhai Kexing Science Park, Laodong Community, Xixiang Subdistrict, Bao'an District, Shenzhen City, Guangdong Province, P.R.China
Manufacturer:	Shenzhen Dale Sensor Tech Co Ltd
Address of Manufacturer:	Room 903, Building 1, Qianhai Kexing Science Park, Laodong Community, Xixiang Subdistrict, Bao'an District, Shenzhen City, Guangdong Province, P.R.China
Factory:	Ebulent Optronics (Shenzhen) LTD Huizhou Branch
Address of Factory:	Factory 601, 701, 801; Factory 602, 702, 802 at C2-2-1 and C2-2-2, Qunyi Intelligent Manufacturing Industrial Park, Tonghu Town, Zhongkai High-tech Zone, Huizhou City, Guangdong Province, China

5. General Description of EUT

Product Name:	AeroBand PocketDrum
Model No.:	PD2 Ultra
Test Model No.:	PD2 Ultra
Trade Mark:	AeroBand
Software Version:	V1.1.11
Hardware Version:	V1.1
Power Supply:	Li-ion battery DC 3.7V 600mAh, Charge by DC 5V for Adaptor
Simultaneous Transmission	☒ Simultaneous TX is supported and evaluated in this report. ☐ Simultaneous TX is not supported.

6. General Description of BLE

Operation Frequency:	2402MHz~2480MHz
Modulation Type:	GFSK
Transfer Rate:	1Mbps
RF Model:	FR8016
Number of Channel:	40
Product Type:	☐ Mobile ☒ Portable ☐ Fix Location
Antenna Type:	Chip antenna
Antenna Gain:	-0.41dBi

7. General Description of BT

Operation Frequency:	2402MHz~2480MHz
Modulation Type:	GFSK, $\pi/4$ DQPSK
Transfer Rate:	1Mbps/2Mbps
RF Model:	AC6956C
Number of Channel:	79
Product Type:	☐ Mobile ☒ Portable ☐ Fix Location
Antenna Type:	Chip antenna
Antenna Gain:	-0.24dBi

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(AC6956C)

Measurement Data

Worst case: 8DPSK				
Test Channel	Peak Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power	
			(dBm)	(mW)
Lowest(2402MHz)	-0.67	-0.5±1	0.5	1.122
Middle(2441MHz)	-0.46	-0.5±1	1.5	1.413
Highest(2480MHz)	-0.10	-0.0±1	1.0	1.259

Worst case: 8DPSK			
Channel	Maximum tuneup Power (mW)	Calculated value	Exclusion threshold
Lowest (2402MHz)	1.122	0.349	3.0
Middle (2441MHz)	1.413	0.441	
Highest (2480MHz)	1.259	0.397	
Conclusion: the calculated value ≤3.0, SAR is exempted.			

Remark: The Max Conducted Peak Output Power data refer to report Report No.: CQASZ20260601252E-02

2) For BLE(FR8016)

Measurement Data

Worst case: GFSK				
Test Channel	Peak Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power	
			(dBm)	(mW)
Lowest(2402MHz)	-0.71	-0.5±1	0.5	1.122
Middle(2440MHz)	-1.32	-1.0±1	0.0	1.000
Highest(2480MHz)	-1.65	-1.5±1	-0.5	0.891

Worst case: GFSK			
Channel	Maximum tuneup Power (mW)	Calculated value	Exclusion threshold
Lowest (2402MHz)	1.122	0.349	3.0
Middle (2440MHz)	1.000	0.312	
Highest (2480MHz)	0.891	0.281	
Conclusion: the calculated value ≤3.0, SAR is exempted.			

Remark: The Max Conducted Peak Output Power data refer to report Report No.: CQASZ20260601252E-01

Simultaneous transmission:

SAR Exclusion Threshold=

$[(\text{max. power of channel, including tune-up tolerance, mW}) /$

$(\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}]$

BLE(FR8016)+BT(AC6956C):

$= [(1.122\text{mW}/5\text{mm}) \cdot (\sqrt{2.402\text{GHz}/7.5})]/1.6\text{W/kg} + [(1.413\text{mW}/5\text{mm}) \cdot (\sqrt{2.441\text{GHz}/7.5})]/1.6\text{W/kg}$

$= 0.02921 + 0.03679$

$= 0.066 \leq 1$