

RF Exposure Evaluation Report				
Report Reference No	MTEB24090266-H 2AHCR-BKEYV1			
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Date of issue	Sep.20,2024			
Representative Laboratory Name. :	Shenzhen Most Technology Se	rvice Co., Ltd.		
Address:	No.5, 2nd Langshan Road, North District, Hi-tech Industrial Park, Nanshan, Shenzhen, Guangdong, China.			
Applicant's name:	AKUVOX (XIAMEN) NETWORKS CO., LTD.			
Address:	10/F, No.56 Guanri Road, Software Park II, Xiamen 361009, China			
Test specification/ Standard:	47 CFR Part 1.1307 47 CFR Part 2.1093			
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Test item description:	BLE Card			
Trade Mark	Akuvox			
Model/Type reference:	Bkey			
Listed Models	N/A			
Modulation Type:	GFSK			
Operation Frequency:	From 2402MHz to 2480MHz			
Hardware Version	000			
Software Version	01.30.00.03			
Rating	3.3V==== (Button battery)			
Result	PASS			

TEST REPORT

Equipment under Test	:	BLE Card		
Model /Type	:	Bkey		
Listed Models	:	N/A		
Remark		N/A		
Applicant	:	AKUVOX (XIAMEN) NETWORKS CO., LTD.		
Address	:	10/F, No.56 Guanri Road, Software Park II, Xiamen 361009, China		
Manufacturer	:	AKUVOX (XIAMEN) NETWORKS CO., LTD.		
Address	:	10/F, No.56 Guanri Road , Software Park II , Xiamen 361009, China		

Test Result: PAS	5
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The test report merely corresponds to the test sample.

It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

1. <u>Revision History</u>

Revision	Issue Date	Revisions	Revised By
00	2024.09.20	Initial Issue	Alisa Luo

2. SAR Evaluation

2.1 RF Exposure Compliance Requirement

2.1.1 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.

2.1.2 Limits

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

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

f(GHz) 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 \leq 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

2.1.3 EUT RF Exposure

Measurement Data

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BLE				
GFSK				
Test channel	Peak Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power	
			(dBm)	
Lowest(2402MHz)	2.573	2.573 ± 1	3.573	
Middle(2440MHz)	2.768	2.768±1	3.768	
Highest(2480MHz)	2.790	2.790 ± 1	3.79	

Worst case: GFSK						
Channel	Maximum Peak Conducted Output Power	Maximum tune-up Power (dBm) (mW)		Calculated value	Exclusion threshold	SAR Test Exclusion
	(dBm)					
Highest(2480MHz)	2.790	3.79	2.39	0.75	3.0	Yes

.....THE END OF REPORT.....