

TEST REPORT

Product Name : speaker

Brand Mark : N/A

Model No. : T200PLUS

FCC ID : 2AKRC-T200PLUS

Report Number : BLA-EMC-202203-A3504

Date of Sample Receipt : 2022/3/10

Date of Test : 2022/3/10 to 2022/4/19

Date of Issue : 2022/4/19

Test Standard 47 CFR Part 1.1307, Part 2.1093, KDB

447498

Test Result : Pass

Jozu Blue Thong

Prepared for:

Shenzhen Hutianmei Technology Co., Ltd 3 Floor, #32 Building, The third Industrial Park, Houting, Shajing, Baoan District, Shenzhen

Prepared by:

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Approved by:

Review by:

Date:







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REPORT REVISE RECORD

Version No.	Date	Description
00	2022/4/19	Original





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1 TEST SUMMARY

Test item	Test Requirement	Test Method	Class/Severity	Result
RF Exposure	47 CFR Part 1.1307, Part 2.1093, KDB 447498	CFR 47 Part 2.1093	CFR 47 Part 2.1093	PASS





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2 GENERAL INFORMATION

Applicant	Shenzhen Hutianmei Technology Co., Ltd		
Address	3 Floor, #32 Building, The third Industrial Park, Houting, Shajing, Baoan District, Shenzhen		
Manufacturer	Shenzhen Hutianmei Technology Co., Ltd		
Address	3 Floor, #32 Building, The third Industrial Park, Houting, Shajing, Baoan District, Shenzhen		
Factory	Shenzhen Hutianmei Technology Co., Ltd		
Address	3 Floor, #32 Building, The third Industrial Park, Houting, Shajing, Baoan District, Shenzhen		
Product Name	speaker		
Test Model No.	T200PLUS		

3 GENERAL DESCRIPTION OF E.U.T.

Hardware Version	SODLK-T200PLUS 2022.01.06 V08		
Software Version	XYCF_SW_V29_RGB_2819_20220118_v1.51		
BDR+EDR			
Operation Frequency:	2402MHz-2480MHz		
Modulation Type:	GFSK, π /4 DQPSK, 8DPSK		
Channel Spacing:	1MHz		
Number of Channels:	79		
Antenna Type:	PCB Antenna		
Antenna Gain:	0dBi(Provided by the applicant)		
BLE			
Operation Frequency:	2402MHz-2480MHz		
Modulation Type:	GFSK		
Channel Spacing:	2MHz		
Number of Channels:	40		
Antenna Type:	PCB Antenna		
Antenna Gain:	0dBi(Provided by the applicant)		



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4 LABORATORY LOCATION

All tests were performed at:

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

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

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No tests were sub-contracted.





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5 RF EXPOSURE COMPLIANCE REQUIREMENT

5.1 STANDARD REQUIREMENT

According to KDB447498D01 General RF Exposure Guidance v06

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.

5.2 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:

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

f(GHz) is the RF channel transmit frequency in GHz

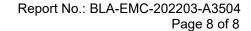
Power and distance are rounded to the nearest mW and mm before calculation¹⁷

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 \leq 5 mm, a distance of 5 mm is applied to determine SAR test exclusion

5.3 EUT RF EXPOSURE

Operational N	Operational Mode: EDR (GFSK worst case)					
Channel	Maximum Peak Conducted Output Power (dBm)	Tune up tolerance (dB)	Maximum tune (dBm)	e-up Power (mW)	Calculated value	Exclusion threshold
2402MHZ	-0.291	±1	0.709	1.18	0.36	
2441MHz	0.152	±1	1.152	1.30	0.41	3.0
2480MHz	0.061	±1	1.061	1.28	0.40	
Operational Mode: BLE Mode: BLE 2402 4.156 ±1 5.156 3.28 1.02					1.02	
2442	3.918	±1	4.918	3.10	0.97	3.0
2480	4.383	±1	5.383	3.45	1.09	
Conclusion: the calculated value ≤3.0, SAR is exempted.						





----END OF REPORT----

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