

TEST REPORT

Product Name	:	Speaker
Brand Mark	:	N/A
Model No.	:	GS22
FCC ID	:	2AZDO-GS22
Report Number	:	BLA-EMC-202203-A1503
Date of Sample Receipt	:	2022/3/5
Date of Test	:	2022/3/5 to 2022/3/23
Date of Issue	:	2022/3/23
Test Standard	:	47 CFR Part 1.1307, Part 2.1093, KDB 447498
Test Result	:	Pass

Prepared for:

Gabb Wireless Inc.

4101 N Thanksgiving Way #300, Lehi, UT 84043, United States

Prepared by:

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REPORT REVISE RECORD

Version No.	Date	Description
00	2022/3/23	Original

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TABLE OF CONTENTS

1	TEST SUMMARY.....	4
2	GENERAL INFORMATION.....	5
3	GENERAL DESCRIPTION OF E.U.T.....	5
4	LABORATORY LOCATION.....	6
5	RF EXPOSURE COMPLIANCE REQUIREMENT.....	7
5.1	STANDARD REQUIREMENT.....	7
5.2	LIMITS.....	7
5.3	EUT RF EXPOSURE.....	7

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	Gabb Wireless Inc.
Address	4101 N Thanksgiving Way #300, Lehi, UT 84043, United States
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.	GS22

3 GENERAL DESCRIPTION OF E.U.T.

Hardware Version	V2.2
Software Version	V2.2
Operation Frequency:	2402MHz-2480MHz
Modulation Type:	GFSK, pi/4DQPSK, 8DPSK
Channel Spacing:	1MHz
Number of Channels:	79
Antenna Type:	PCB Antenna
Antenna Gain:	0.5dBi(Provided by the applicant)

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

Telephone: TEL: +86-755-28682673 FAX: +86-755-28682673

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:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot$

$[\sqrt{f(\text{GHz})}] \leq 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where

$f(\text{GHz})$ 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 ≤ 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

5.3 EUT RF EXPOSURE

Operational Mode: BT		Tune up tolerance (dB)	Maximum tune-up Power		Calculated value	Exclusion threshold
Channel	Maximum Peak Conducted Output Power (dBm)		(dBm)	(mW)		
2402 MHz	-1.993	± 1	-0.993	0.80	0.25	3.0
2441 MHz	-3.775		-2.775	0.53	0.16	
2480 MHz	-4.727		-3.727	0.42	0.13	

Conclusion: the calculated value ≤ 3.0 , SAR is exempted.

----END OF REPORT----

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