



Shenzhen Huaxia Testing Technology Co., Ltd.

SHENZHEN HUAXIA TESTING TECHNOLOGY CO., LTD 102A, 102B, Building 2, Shanghenglang New Industrial Zone, Shanghenglang Community, Dalang Street, Longhua District, Shenzhen, Guangdong, People's Republic of China, 518000

Telephone: +86-755-26648640

Fax: +86-755-26648637

Website: www.cqa-cert.com

Report Template Version: V04

Report Template Revision Date: 2018-07-06

TEST REPORT

Report No. : CQASZ20260500987E-02
Applicant: DB RESEARCH L.L.P
Address of Applicant: 302 Hanmore Industrial Parkway, Harlingen, TX78550, USA
Equipment Under Test (EUT):
EUT Name: PORTABLE BLUETOOTH SPEAKER
Model No.: MAGX
Test Model No.: MAGX
Brand Name: DB DRIVE
FCC ID: 2A7R5-MAGX
47 CFR Part 1.1307
Standards: 47 CFR Part 1.1310
KDB447498D01 General RF Exposure Guidance v06
Date of Receipt: 2026-05-15
Date of Test: 2026-05-15 to 2026-06-22
Date of Issue: 2026-06-25
Test Result : **PASS**

Tested By:

Lewis Zhou

(Lewis Zhou)

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
CQASZ20260500987E-02	Rev.01	Initial report	2026-06-25

2. Contents

1. VERSION	2
2. CONTENTS	3
3. GENERAL INFORMATION	4
4. CLIENT INFORMATION	4
5. GENERAL DESCRIPTION OF EUT	4
RF EXPOSURE EVALUATION	5
RF EXPOSURE COMPLIANCE REQUIREMENT	5
<i>Standard Requirement</i>	5
<i>Limits</i>	5
<i>EUT RF Exposure</i>	6

3. General Information

4. Client Information

Applicant:	DB RESEARCH L.L.P
Address of Applicant:	302 Hanmore Industrial Parkway, Harlingen, TX78550, USA
Manufacturer:	Shenzhen Sound Pulse Technology Co., Ltd.
Address of Manufacturer:	East 4F Build #5 Changyi Industry Zone, Dalang Street, Longhua, Shenzhen, China 518109
Factory:	Shenzhen Sound Pulse Technology Co., Ltd.
Address of Factory:	East 4F Build #5 Changyi Industry Zone, Dalang Street, Longhua, Shenzhen, China 518109

5. General Description of EUT

Product Name:	PORTABLE BLUETOOTH SPEAKER
Model No.:	MAGX
Test Model No.:	MAGX
Trade Mark:	DB DRIVE
Software Version:	V6.2
Hardware Version:	V1.1
Modulation Technique:	Frequency Hopping Spread Spectrum(FHSS)
Modulation Type:	GFSK, $\pi/4$ DQPSK, 8DPSK
Transfer Rate:	1Mbps/2Mbps/3Mbps
Number of Channel:	79
Hopping Channel Type:	Adaptive Frequency Hopping systems
Antenna Type:	PCB antenna
Antenna Gain:	1.08443dBi
Product Type:	☐ Mobile ☒ Portable ☐ Fix Location
Power Supply:	Li-ion battery DC 7.2V 4500mAh, Charge by DC 5V for adapter

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: $\pi/4$ DQPSK				
Test Channel	Peak Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power	
			(dBm)	(mW)
Lowest(2402MHz)	-0.95	-0.5 $\pm$ 1	0.5	1.12
Middle(2441MHz)	1.21	1.5 $\pm$ 1	2.5	1.78
Highest(2480MHz)	-0.08	0 $\pm$ 1	1	1.26

Worst case: $\pi/4$ DQPSK			
Channel	Maximum tuneup Power (mW)	Calculated value	Exclusion threshold
Lowest (2402MHz)	1.12	0.348	3.0
Middle (2441MHz)	1.78	0.556	
Highest (2480MHz)	1.26	0.396	
Conclusion: the calculated value ≤ 3.0 , SAR is exempted.			

Remark: The Max Conducted Peak Output Power data refer to report Report No.: CQASZ20260500987E-01