Shenzhen Most Technology Service Co., Ltd.
No.5, 2nd Langshan Road, North District, Hi-tech Industrial Park, Nanshan, Shenzhen, Guangdong, China.

RF Exposure Evaluation Report

Report Reference No......:	**MTEB24060146-H**
FCC ID..... **:**	**2BGXP-MSH101**
Compiled by (position+printed name+signature)..:	File administrators Alisa Luo
Supervised by (position+printed name+signature)..:	Test Engineer Sunny Deng
Approved by (position+printed name+signature)..:	Manager Yvette Zhou
Date of issue.....:	**June 12,2024**
Representative Laboratory Name .:	**Shenzhen Most Technology Service Co., Ltd.**
Address .....:	No.5, 2nd Langshan Road, North District, Hi-tech Industrial Park, Nanshan, Shenzhen, Guangdong, China.
Applicant's name.....:	**Huizhou Mingsuheng Industrial Co., Ltd**
Address .....:	No. 11, Zhiyuan Industrial Park, Jinpanwei, Xiaojin Management Area, Luoyang Town, Boluo County
Test specification/ Standard .....**:**	**47 CFR Part 1.1307** **47 CFR Part 2.1093**
TRF Originator.....:	Shenzhen Most Technology Service Co., Ltd.

Test item description .....:	Alarm speaker
Trade Mark .....:	N/A
Model/Type reference.....:	MSH101
Listed Models .....:	N/A
Modulation Type .....:	GFSK, π/4DQPSK, 8DPSK
Operation Frequency.....:	From 2402MHz to 2480MHz
Hardware Version	V2.1
Software Version.....	V2.1
Rating .....:	DC 5V by Adapter
Result.....:	PASS

T E S T R E P O R T

Equipment under Test	:	Alarm speaker
Model /Type	:	MSH101
Listed Models	:	N/A
Remark		N/A
Applicant	:	Huizhou Mingsuheng Industrial Co., Ltd
Address	:	No. 11, Zhiyuan Industrial Park, Jinpanwei, Xiaojin Management Area, Luoyang Town, Boluo County
Manufacturer	:	Huizhou Mingsuheng Industrial Co., Ltd
Address	:	No. 11, Zhiyuan Industrial Park, Jinpanwei, Xiaojin Management Area, Luoyang Town, Boluo County

Test Result:	**PASS**

1. Revision History

Revision	Issue Date	Revisions	Revised By
00	2024.06.12	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 ≤ 50 mm are determined by:
[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] • [√f(GHz)] ≤ 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 calculation[17]
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

2.1.3 EUT RF Exposure

Measurement Data

BT classic

GFSK			
Test channel	Peak Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power (dBm)
Lowest(2402MHz)	-4.207	-4.207±1	-3.207
Middle(2441MHz)	-3.443	-3.443±1	-2.443
Highest(2480MHz)	-2.704	-2.704±1	-1.704

π /4DQPSK			
Test channel	Peak Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power (dBm)
Lowest(2402MHz)	-3.308	-3.308±1	-2.308
Middle(2441MHz)	-2.554	-2.554±1	-1.554
Highest(2480MHz)	-1.854	-1.854±1	-0.854

8DPSK			
Test channel	Peak Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power (dBm)
Lowest(2402MHz)	-2.817	-2.817±1	-1.817
Middle(2441MHz)	-1.991	-1.991±1	-0.991
Highest(2480MHz)	-1.454	-1.454±1	-0.454

Worst case: 8DPSK						
Channel	Maximum Peak Conducted Output Power (dBm)	Maximum tune-up Power		Calculated value	Exclusion threshold	SAR Test Exclusion
		(dBm)	(mW)			
Lowest(2402MHz)	-1.454	-0.454	0.90	0.28	3.0	Yes

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