

# RF Exposure Evaluation Report

FCC ID : 2AFZZ-OH3RG  
Equipment : Portable Bluetooth Speaker  
Brand Name : Xiaomi  
Model Name : OH3RG  
Applicant : Xiaomi Communications Co., Ltd.  
#019, 9th Floor, Building 6, 33 Xi'erqi  
Middle Road, Haidian District,  
Beijing, 100085, China  
Standard : 47 CFR Part 2.1093

We, SPORTON INTERNATIONAL INC has been evaluated this product in accordance with 47 CFR Part 2.1093 and it complies with applicable limit.

Sporton Lab is accredited to ISO 17025 by Taiwan Accreditation Foundation (TAF code: 1190) and the FCC designation No. TW1190 under the FCC 2.948(e) by Mutual Recognition Agreement (MRA) in FCC evaluation.

The results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC. Laboratory, the test report shall not be reproduced except in full



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## Revision History

| REPORT NO. | VERSION | DESCRIPTION             | ISSUED DATE   |
|------------|---------|-------------------------|---------------|
| FA5O1407   | Rev. 01 | Initial issue of report | Dec. 26, 2025 |
|            |         |                         |               |
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## **1. General Information**

### **1.1 Description of Device Under Test (DUT)**

| Product Feature & Specification         |                                |
|-----------------------------------------|--------------------------------|
| FCC ID                                  | 2AFZZ-OH3RG                    |
| Equipment Name                          | Portable Bluetooth Speaker     |
| Brand Name                              | Xiaomi                         |
| Model Name                              | OH3RG                          |
| Wireless Technology and Frequency Range | Bluetooth: 2402 MHz ~ 2480 MHz |
| Mode                                    | BR/EDR/BLE                     |

## **2. Maximum RF output power among production units**

|           | Mode              | Channel | Frequency (MHz) | Tune-Up Limit |
|-----------|-------------------|---------|-----------------|---------------|
| Bluetooth | BR / EDR<br>1Mbps | 0       | 2402            | 5.00          |
|           |                   | 39      | 2441            | 5.00          |
|           |                   | 78      | 2480            | 5.00          |
|           | BR / EDR<br>2Mbps | 0       | 2402            | 5.00          |
|           |                   | 39      | 2441            | 5.00          |
|           |                   | 78      | 2480            | 5.00          |
|           | LE<br>1Mbps       | 0       | 2402            | 7.00          |
|           |                   | 19      | 2440            | 7.00          |
|           |                   | 39      | 2480            | 7.00          |
|           | LE<br>2Mbps       | 0       | 2402            | 7.00          |
|           |                   | 19      | 2440            | 7.00          |
|           |                   | 39      | 2480            | 7.00          |

**3. RF Exposure Evaluation**

| Bluetooth<br>Max Power (dBm) | mW   | Separation<br>Distance (mm) | Frequency<br>(GHz) | Exclusion<br>Thresholds | Exclusion<br>Limit | SAR Testing |
|------------------------------|------|-----------------------------|--------------------|-------------------------|--------------------|-------------|
| 7                            | 5.01 | 5                           | 2.48               | 1.58                    | 3                  | No          |

**Note:**

1. Per KDB 447498 D01v06 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:

$$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0 \text{ for}$$

1-g SAR and  $\leq 7.5$  for 10-g extremity SAR

- $f(\text{GHz})$  is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation
- The result is rounded to one decimal place for comparison

**Conclusion:** Per KDB 447498 D01v06, when the minimum test separation distance is  $< 5$  mm, a distance of 5 mm is applied to determine SAR test exclusion. The test exclusion threshold is 1.58 which is  $\leq 3$ , SAR testing is not required.