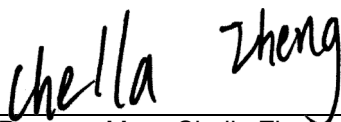


# FCC RF EXPOSURE REPORT

## FCC ID: 2AFZZL05G

**Project No.** : 2106C233  
**Equipment** : Xiaomi Smart Speaker (IR Control)  
**Brand Name** : Xiaomi  
**Test Model** : L05G  
**Series Model** : N/A  
**Applicant** : Xiaomi Communications Co.,Ltd  
**Address** : #019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China  
**Manufacturer** : Xiaomi Communications Co.,Ltd  
**Address** : #019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China  
**Factory** : Huizhou MTN WEIYE Technology Development Co.,Ltd  
**Address** : No.2 Huitai Road,Huinan High-tech Industrial Park,Huiao Avenue,Huizhou City,Guangdong Province,China. 516000  
**Date of Receipt** : Jun. 28, 2021  
**Date of Test** : Jul. 06, 2021 ~ Nov. 03, 2021  
**Issued Date** : Nov. 11, 2021  
**Report Version** : R00  
**Test Sample** : Engineering Sample No.: DG2021070646  
**Standard(s)** : FCC Guidelines for Human Exposure IEEE C95.1 & FCC Part 2.1091  
FCC Title 47 Part 2.1091, OET Bulletin 65 Supplement C

The above equipment has been tested and found compliance with the requirement of the relative standards by BTL Inc.



Prepared by : Chella Zheng



Approved by : Ethan Ma



TESTING CERT #5123.02

Add: No. 3 Jinshagang 1st Rd. Shixia, Dalang Town, Dongguan City, Guangdong, People's Republic of China

Tel: +86-769-8318-3000

Web: [www.newbtl.com](http://www.newbtl.com)

**REPORT ISSUED HISTORY**

Report Version	Description	Issued Date
R00	Original Issue	Nov. 11, 2021

## 1. TEST FACILITY

The test facilities used to collect the test data in this report is at the location of No. 3 Jinshagang 1st Rd. Shixia, Dalang Town, Dongguan City, Guangdong, People's Republic of China.

BTL's Test Firm Registration Number for FCC: 357015

BTL's Designation Number for FCC: CN1240

## 2. MPE CALCULATION METHOD

Calculation Method of RF Safety Distance:

$$S = \frac{PG}{4\pi R^2} = \frac{EIRP}{4\pi R^2}$$

where:

S = power density


P = power input to the antenna

G = power gain of the antenna in the direction of interest relative to an isotropic radiator

R = distance to the center of radiation of the antenna


Table for Filed Antenna:

For BT / LE / 2.4GHz:

Ant.	Brand	P/N	Antenna Type	Connector	Gain (dBi)
1		RD032102NB87-1	Internal	Cable+Plug	2.41

Note: The antenna gain is provided by the manufacturer.

For 5GHz:

Ant.	Brand	P/N	Antenna Type	Connector	Gain (dBi)
1		RD032102NB87-1	Internal	Cable+Plug	3.50

Note: The antenna gain is provided by the manufacturer.

### 3. TEST RESULTS

For BT:

Antenna Gain (dBi)	Antenna Gain (numeric)	Max. Output Power (dBm)	Max. Output Power (mW)	Power Density (S) (mW/cm <sup>2</sup> )	Limit of Power Density (S) (mW/cm <sup>2</sup> )	Test Result
2.41	1.7418	7.77	5.9841	0.00207	1	Complies

For LE:

Antenna Gain (dBi)	Antenna Gain (numeric)	Max. Output Power (dBm)	Max. Output Power (mW)	Power Density (S) (mW/cm <sup>2</sup> )	Limit of Power Density (S) (mW/cm <sup>2</sup> )	Test Result
2.41	1.7418	6.05	4.0272	0.00140	1	Complies

For 2.4GHz:

Antenna Gain (dBi)	Antenna Gain (numeric)	Max. Output Power (dBm)	Max. Output Power (mW)	Power Density (S) (mW/cm <sup>2</sup> )	Limit of Power Density (S) (mW/cm <sup>2</sup> )	Test Result
2.41	1.7418	25.95	393.5501	0.13644	1	Complies

For 5GHz:

Antenna Gain (dBi)	Antenna Gain (numeric)	Max. Output Power (dBm)	Max. Output Power (mW)	Power Density (S) (mW/cm <sup>2</sup> )	Limit of Power Density (S) (mW/cm <sup>2</sup> )	Test Result
3.50	2.2387	21.15	130.3167	0.05807	1	Complies

**For the max simultaneous transmission MPE:**

Power Density (S) (mW/cm <sup>2</sup> )	Power Density (S) (mW/cm <sup>2</sup> )	Total	Limit of Power Density (S) (mW/cm <sup>2</sup> )	Test Result
BT	2.4GHz			
0.00207	0.13644	0.13851	1	Complies

Note: The calculated distance is 20 cm.

**End of Test Report**