



Test Report No.: FM190103N022



# RF EXPOSURE REPORT

Applicant	Xiaomi Communications Co., Ltd.
Address	The Rainbow City of China Resources, NO.68, Qinghe Middle Street, Haidian District, Beijing, China

Manufacturer or Supplier	Xiaomi Communications Co., Ltd.
Address	The Rainbow City of China Resources, NO.68, Qinghe Middle Street, Haidian District, Beijing, China
Product	Mi Wireless Charger
Brand Name	MI
Model	MDY-10-EP
Additional Model & Model Difference	N/A
Date of tests	Jan. 03, 2019 ~ Jan. 18, 2019

- 47 CFR PART 1, Subpart I, Section 1.1310
- KDB 680106 D01

**CONCLUSION: The submitted sample was found to COMPLY with the test requirement**

Tested by Andy Zhu Project Engineer / EMC Department	Approved by Glyn He Supervisor/ EMC Department
	 Date: Jan. 30, 2019

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## RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FM190103N022	Original release	Jan. 30, 2019

**Bureau Veritas Shenzhen Co., Ltd.  
Dongguan Branch**

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**BUREAU  
VERITAS**

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## 1. CERTIFICATION

<b>FCC ID:</b>	2AFZZ-MDY10EP
<b>PRODUCT:</b>	Mi Wireless Charger
<b>BRAND NAME:</b>	N/A
<b>MODEL:</b>	MDY-10-EP
<b>ADDITIONAL NO.:</b>	N/A
<b>APPLICANT:</b>	Xiaomi Communications Co., Ltd.
<b>STANDARDS:</b>	47 CFR PART 1, Subpart I, Section 1.1310 KDB 680106 D01

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## 2. DESCRIPTION OF SUPPORT UNITS

The EUT has been tested with associated equipment below

Description	Manufacturer	Model No.	Serial No.
Mobile phone	MI	M1902F1G	N/A
Dummy Load	N/A	N/A	N/A

Remarks: The support units were provided by client, and worst-case test result was shown on the report only.

Worst Case mode test result shown on the report

### 2.1 TEST LOCATION

All tests were performed at:

Bureau Veritas Shenzhen Co., Ltd. Dongguan Branch

No. 34, Chenwulu Section, Guantai Rd., Houjie Town, Dongguan City, Guangdong 523942, China

Tel: +86 769 8593 5656

Fax: +86 769 8593 1080

### 2.2 DEVIATION FROM STANDARDS

None

### 2.3 ABNORMALITIES FROM STANDARD CONDITIONS

None

## 3. EQUIPMENTS USED DURING TEST

Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Car.Due date.
1	3m Semi-Anechoic Chamber	ETS-LINDGRE N	9m*6m*6m	NSEMC003	2019-03-19
2	Exposure Level Tester	Narda	ELT-400	L-0012	2019-11-08
3	B-field Probe	Narda	Y2006	L-0017	2019-11-08

**NOTE:** 1. The test was performed in RS chamber.

2. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to CEPREI/CHINA, GRGT/CHINA and NIM/CHINA.



### 4. TEST RESULTS

#### 4.1 RF EXPOSURE TEST

Test Requirement: 47 CFR PART 1, Subpart I, Section 1.1310  
 Measurement Distance: 15/20cm  
 Test voltage: DC 12V from Adapter input AC 120V/50Hz

Limit:

Frequency range(MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm <sup>2</sup> )	Averaging time (minutes)
<b>(A) Limits for Occupational/Controlled Exposures</b>				
0.3-3.0	614	1.63	*(100)	6
3.0-30	1842/f	4.89/f	*(900/f <sup>2</sup> )	6
30-300	61.4	0.163	1.0	6
300-1500	/	/	f/300	6
1500-100.000	/	/	5	6
<b>(B) Limits for General Population/Uncontrolled Exposure</b>				
0.3-1.34	614	1.63	*(100)	30
1.34-30	824/f	2.19/f	*(180/f <sup>2</sup> )	30
30-300	27.5	0.073	0.2	30
300-1500	/	/	f/1500	30
1500-100.000	/	/	1.0	30
F=frequency in MHz *=Plane-wave equivalent power density RF exposure compliance will need to be determined with respect to 1.1307(c) and (d) of the FCC rules. The emissions should be within the limits at 300kHz in Table 1 of 1.1310(use the 300kHz limits for 150kHz:614V/m,1.63A/m).				

#### 4.1.1 EUT OPERATION

##### Operating Environment:

Temperature: 24.0°C Humidity: 52% RH Atmospheric Pressure: 1015 mbar

##### EUT Operation:

This device has been tested the worst status of full load and the device has been tested with mobile phone at zero charge, intermediate charge, and full charge.



### 4.1.2 MEASUREMENT DATA

Output Voltage=DC 15V; The max output power =20W  
Wireless radiation frequency: 110KHz ~ 145KHz

#### Electric Field Emissions

Test Position	Test Distance (cm)	Probe Measure Result (V/m)	Limit (V/m)
Side 1	15	2.98	614
Side 2	15	3.14	614
Side 3	15	3.56	614
Side 4	15	3.17	614
Top	20	5.15	614
Bottom	15	2.63	614

#### Magnetic Field Emissions

Test Position	Test Distance (cm)	Probe Measure Result (A/m)	Limit (A/m)
Side 1	15	0.0034	1.63
Side 2	15	0.0162	1.63
Side 3	15	0.0173	1.63
Side 4	15	0.0165	1.63
Top	20	0.0267	1.63
Bottom	15	0.0098	1.63

Note: All modes have been tested and we only record the worst test result in full load mode.



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## PHOTOGRAPHS OF THE TEST CONFIGURATION

Refer to the Set up photo.