


# RF Exposure Evaluation Report

**Product** : EMEET AirFlow, EMEET AirFlowX,  
EMEET AirFlowE

**Trade mark** :  EMEET

**Model/Type reference** : E2053, E2055, E2056

**Serial Number** : N/A

**Report Number** : EED32P81818403

**FCC ID** : 2ALCN-E2053

**Date of Issue** : Nov. 28, 2023

**Test Standards** : 47 CFR Part 1.1307  
47 CFR Part 1.1310  
47 CFR Part 2.1091  
47 CFR Part 2.1093  
447498 D04 Interim General RF  
Exposure Guidance v01

**Test result** : PASS

Prepared for:

**SHENZHEN EMEET TECHNOLOGY CO., LTD.**  
Unit 2C, Building A6, Guangming Science Park, Guangguang Road  
3009, Guangming District, Shenzhen, China

Prepared by:

**Centre Testing International Group Co., Ltd.**  
Hongwei Industrial Zone, Bao'an 70 District,  
Shenzhen, Guangdong, China

**TEL: +86-755-3368 3668**

**FAX: +86-755-3368 3385**

Compiled by:

*Frazer Li*

Reviewed by:

*Tom Chen*

Frazer Li

Tom Chen

Approved by:

*Aaron Ma*

Date:

Nov. 28, 2023

Aaron Ma



Check No.: 2401131123

## 2 Version

Version No.	Date	Description
00	Nov. 28, 2023	Original

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## 4 General Information

### 4.1 Client Information

Applicant:	SHENZHEN EMEET TECHNOLOGY CO., LTD.
Address of Applicant:	Unit 2C, Building A6, Guangming Science Park, Guanguang Road 3009, Guangming District, Shenzhen, China
Manufacturer:	SHENZHEN EMEET TECHNOLOGY CO., LTD.
Address of Manufacturer:	Unit 2C, Building A6, Guangming Science Park, Guanguang Road 3009, Guangming District, Shenzhen, China
Factory:	SHENZHEN EMEET INTELLIGENT TECHNOLOGY CO., LTD
Address of Factory:	A401, B401, Building B5, Guangming Science Park, Guanguang Road, Fenghuang community, Fenghuang Street, Guangming District, Shenzhen, China

### 4.2 General Description of EUT

Product Name:	EMEET AirFlow, EMEET AirFlowX, EMEET AirFlowE
Model No.:	E2053, E2055, E2056
Test Model No.:	E2053
Trade Mark:	

### 4.3 Product Specification subjective to this standard

Frequency Range:	2402MHz~2480MHz
Modulation Type:	BLE: GFSK BT: GFSK, $\pi/4$ DQPSK, 8DPSK
Test Power Grade:	Default
Test Software of EUT:	AB1565 AB1568 Airoha Tool Kit(ATK)
Antenna Type:	FPC Antenna
Antenna Gain:	-4.80 dBi
Power Supply:	Battery DC 3.85V
Sample Received Date:	Nov. 15, 2023
Sample tested Date:	Nov. 15, 2023 to Nov. 21, 2023
Remark:	<p>Company Name and Address shown on Report, the sample(s) and sample Information was/ were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified.</p> <p>Model No.:E2053, E2055, E2056</p> <p>Only the model E2053 was tested. They have the same hardware, software, electrical circuit design, layout, components used and internal wiring. These models are mainly used for the division of sales areas, so only different in model name.Both the left and right earphones have been tested and recorded in the report.</p>

## 4.4 Test Location

All tests were performed at:

Centre Testing International Group Co., Ltd

Building C, Hongwei Industrial Park Block 70, Bao'an District, Shenzhen, China

Telephone: +86 (0) 755 33683668 Fax:+86 (0) 755 33683385

No tests were sub-contracted.

FCC Designation No.: CN1164

## 4.5 Deviation from Standards

None.

## 4.6 Abnormalities from Standard Conditions

None.

## 4.7 Other Information Requested by the Customer

None.

## 5 SAR Evaluation

### 5.1 RF Exposure Compliance Requirement

#### 5.1.1 Limits

The SAR-based exemption formula of § 1.1307(b)(3)(i)(B), repeated here as Formula (B.2), applies for single fixed, mobile, and portable RF sources with available maximum time-averaged power or effective radiated power (ERP), whichever is greater, of less than or equal to the threshold  $P_{th}$  (mW).

This method shall only be used at separation distances from 0.5 cm to 40 cm and at frequencies from 0.3 GHz to 6 GHz (inclusive).  $P_{th}$  is given by Formula

$$P_{th} \text{ (mW)} = \begin{cases} ERP_{20 \text{ cm}} (d/20 \text{ cm})^x & d \leq 20 \text{ cm} \\ ERP_{20 \text{ cm}} & 20 \text{ cm} < d \leq 40 \text{ cm} \end{cases}$$

where

$$x = -\log_{10} \left( \frac{60}{ERP_{20 \text{ cm}} \sqrt{f}} \right)$$

and  $f$  is in GHz,  $d$  is the separation distance (cm), and  $ERP_{20 \text{ cm}}$  is per Formula (B.1).

$$P_{th} \text{ (mW)} = ERP_{20 \text{ cm}} \text{ (mW)} = \begin{cases} 2040f & 0.3 \text{ GHz} \leq f < 1.5 \text{ GHz} \\ 3060 & 1.5 \text{ GHz} \leq f \leq 6 \text{ GHz} \end{cases} \quad (\text{B.1})$$

The 1 mW Blanket Exemption of § 1.1307(b)(3)(i)(A) applies for single fixed, mobile, and portable RF sources with available maximum time-averaged power of no more than 1 mW, regardless of separation distance.

#### 5.1.2 Test Procedure

Software provided by client enabled the EUT to transmit and receive data at lowest, middle and highest channel individually.

## 5.1.3 EUT RF Exposure Evaluation

For Stand alone:

(1)left ear:

Frequency (MHz)	Available maximum time-averaged power (dBm)	Antenna gain (dBi)	ERP (dBm)	Available maximum time-averaged power (mW)	Limit (mW)	Result
2441	1.20	-4.80	-0.95	0.804	≤2.752	PASS

(2)right ear:

Frequency (MHz)	Available maximum time-averaged power (dBm)	Antenna gain (dBi)	ERP (dBm)	Available maximum time-averaged power (mW)	Limit (mW)	Result
2441	1.42	-4.80	-0.73	0.845	≤2.752	PASS

**Note:**

- ① EIRP=Available maximum time-averaged power+Antenna gain;
- ② ERP=EIRP-2.15;
- ③ According to § 1.1307(b)(3)(i)(B), RF sources with available maximum time-averaged power or effective radiated power (ERP), whichever is greater, of less than or equal to the threshold Pth (mW).
- ④ The test data refer to the report No. EED32P81818401 and EED32P81818402. Only the worst case data was recorded in the report.
- ⑤ The separate distance is 0.5cm.

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 CTI, this report can't be reproduced except in full.

\*\*\* End of Report \*\*\*