


RF Exposure Evaluation Report

Product : EMEET GeniusCall HS80 /
EMEET GeniusCall HS80 Lite /
EMEET GeniusCall HS80 Pro /
EMEET GeniusCall HS80 Max

Trade mark :  EMEET

Model/Type reference : E2104, E210401, E210402, E210403,
E210404, E210405, E210406, E2105,
E210501, E210502, E210503,
E210504, E210505, E210506

Serial Number : N/A

Report Number : EED32P80288202

FCC ID : 2ALCN-E2104

Date of Issue : Apr. 27, 2023

Test Standards : 47 CFR Part 1.1307
47 CFR Part 1.1310
47 CFR Part 2.1093(portable devices)
447498 D04 Interim General RF
Exposure Guidance v01

Test result : PASS

Prepared for:

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Apr. 27, 2023

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Check No.:5651060323

2 Version

Version No.	Date	Description
00	Apr. 27, 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 GeniusCall HS80 / EMEET GeniusCall HS80 Lite / EMEET GeniusCall HS80 Pro / EMEET GeniusCall HS80 Max
Model No.:	E2104, E210401, E210402, E210403, E210404, E210405, E210406, E2105, E210501, E210502, E210503, E210504, E210505, E210506
Test Model No.:	E2104
Trade mark:	

4.3 Product Specification subjective to this standard

Frequency Range:	2402MHz~2480MHz	
Modulation Type:	GFSK, $\pi/4$ DQPSK, 8DPSK	
Test Power Grade:	Default (Power level is built-in set parameters and cannot be changed and selected)	
Test Software of EUT:	Airoha.Tool.Kit.exe	
Antenna Type:	Ceramic Antenna	
Antenna Gain:	3.66dBi	
Power Supply:	USB port:	DC 5.0V
	Battery:	DC 3.85V,1035mAh
Test Voltage:	DC 3.85V	
Sample Received Date:	Mar. 23, 2023	
Sample tested Date:	Mar. 23, 2023 - Mar. 27, 2023	

Remark:

Company Name and Address shown on Report, the sample(s) and sample Information were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified.

Model No.: E2104, E210401, E210402, E210403, E210404, E210405, E210406, E2105, E210501, E210502, E210503, E210504, E210505, E210506

They have the same hardware and software, only different in model name for marketing requirements, the main test model name is E2104, all parameters remain the same.

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_{20cm} 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:****For Bluetooth classic**

Frequency (MHz)	Separation distance(cm)	Max. Conducted Output power (dBm)	Antenna Gain (dBi)	ERP (dBm)	ERP (mW)	Limit (mW)	Result
2441	0.5	-0.57	3.66	0.94	1.242	2.752	PASS

Note:

①EIRP=conducted power+antenna gain;

②ERP=EIRP-2.15

③The test data please refer to the report of EED32P80288201,and only the worst case data was recorded in the report.

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 *****