

Report No.: EED32O81956602

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RF Exposure Evaluation Report

Product Trade mark Model/Type reference Serial Number Report Number FCC ID Date of Issue Test Standards AM 65 LESS
Angry Miao
AM12
N/A
EED32O81956602
2A3FY-AM12
Dec. 26, 2022
47 CFR Part 1.1307
47 CFR Part 1.1310
47 CFR Part 2.1093
447498 D04 Interim General RF

Exposure Guidance v01

Test result

PASS

Prepared for: Angry Miao Technology Co., Limited 2/F, No.5 of Nanteng Street, Qi'ao Industrial Zone, Tangjiawan Town, Xiangzhou District, Zhuhai, China

Prepared by:

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1 Version

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3 General Information

3.1 Client Information

ii)	Applicant:	Angry Miao Technology Co., Limited
5	Address of Applicant:	2/F, No.5 of Nanteng Street, Qi'ao Industrial Zone, Tangjiawan Town, Xiangzhou District, Zhuhai, China
	Manufacturer:	Angry Miao Technology Co., Limited
	Address of Manufacturer:	2/F, No.5 of Nanteng Street, Qi'ao Industrial Zone, Tangjiawan Town, Xiangzhou District, Zhuhai, China

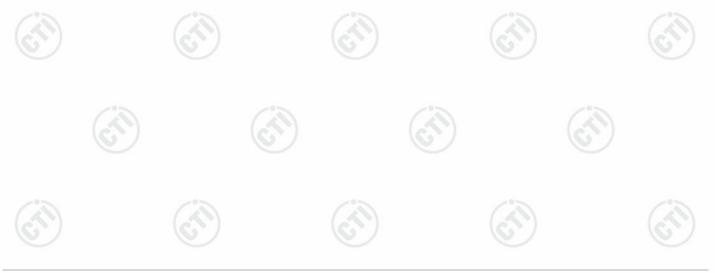
3.2 General Description of EUT

Product Name:	AM 65 LESS		
Model No.(EUT):	AM12		
Trade Mark:	Angry Miao		
Device type:	Fix Location	6)	(\mathbf{c})

3.3 Product Specification subjective to this standard

Frequency Range:	2402MHz~2480MHz	
Modulation Type:	GFSK	(25)
Test Power Grade:	Default	
Test Software of EUT:	nRF_DTM	
Antenna Type:	PIFA Antenna	
Antenna Gain:	1.47dBi	
Power Supply:	DC 5V 1.8A (By USB Port) DC 3.8V (Battery)	
Test Voltage:	AC 120V	
Sample Received Date:	Dec. 07, 2022	~
Sample tested Date:	Dec. 07, 2022 to Dec. 19, 2022	
Remark:	ress shown on Report, the sample(s) and sample int	formation was/ware provided

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.







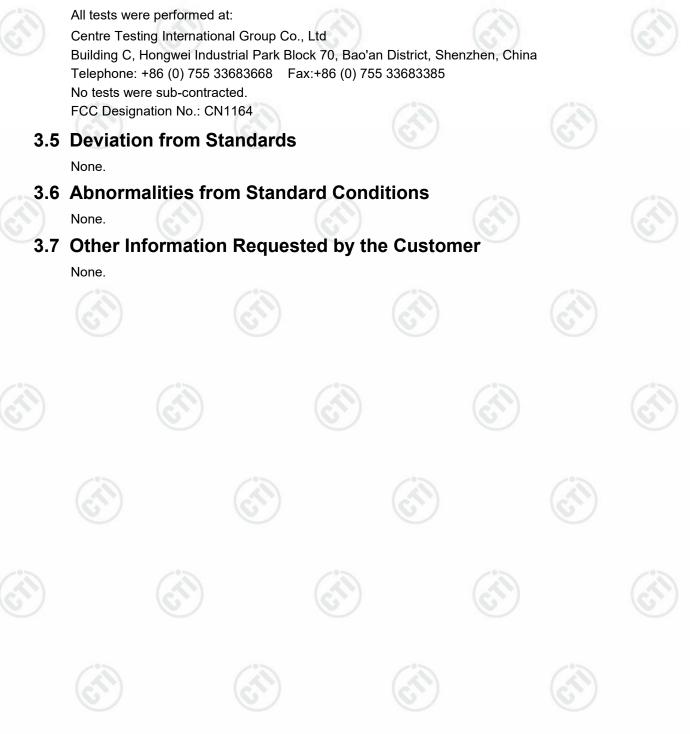






3.4 Test Location

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4 SAR Evaluation

4.1 RF Exposure Compliance Requirement

4.1.1 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 Pth (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). Pth is given by Formula

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

where

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

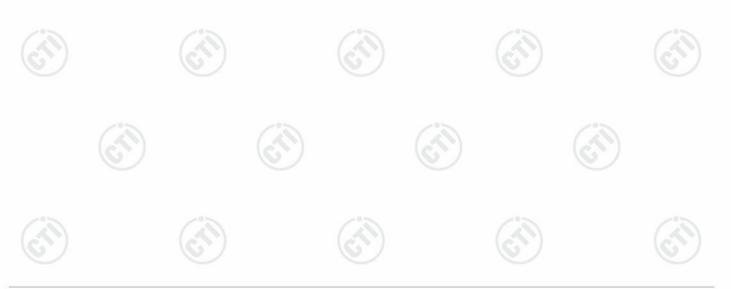
and f is in GHz, d is the separation distance (cm), and ERP20cm is per Formula (B.1).

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

4.1.2 Test Procedure

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











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4.1.3 EUT RF Exposure Evaluation

For Stand alone:

For BLE		A		1	1			(A)
Frequency (MHz)	Separation distance (cm)	Max. Conducted Output power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	ERP (dBm)	ERP (mW)	Limit (mW)	Resul
2402	0.5	3.09	1.47	4.56	2.41	1.742	2.788	PASS

Note:

①EIRP=conducted power+antenna gain; ②ERP=EIRP-2.15

③Only 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 ***