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# **RF Exposure Evaluation Report**

Product: AMTrade mark: AngModel/Type reference: AMOSerial Number: AMOSerial Number: N/AReport Number: EEDFCC ID: 2A3Date of Issue: DecTest Standards: 47 C

: AM HATSU
: Angry Miao
: AM05
: N/A
: EED32O81791702
: 2A3FY-AM05
: Dec. 15, 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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martin bee low Compiled by: Reviewed by: Martin Lee Tom Chen Dec. 15, 2022 Date: pproved. Aaron Ma Check No.: 2807111122 Report Seal







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# **1** Version

	Version No.		Date			Descriptio	on	
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## **3** General Information

#### 3.1 Client Information

Applicant:	Angry Miao Technology Co., Limited
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 HATSU		
Model No.(EUT):	AM05		
Trade Mark:	Angry Miao		
Device type:	Portable	(C)	67

#### 3.3 Product Specification subjective to this standard

Frequency Range:	2402MHz~24	180MHz	1		13	
Modulation Type:	GFSK	)	$(c^{(n)})$		$(c^{(n)})$	
Test Power Grade:	Default		U		U	
Test Software of EUT:	DTM.exe					
Antenna Type:	PIFA Antenn	а				
Antenna Gain:	3.85dBi					
Power Supply:	USB port:	DC 5V		6		(C)
	Battery:	DC 3.8V				
Test Voltage:	DC 3.8V					
Sample Received Date:	Nov. 11, 202	2				
Sample tested Date:	Nov. 11, 202	2 to Dec. 13, 202	2		$(\mathcal{O})$	
Remark:						

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.







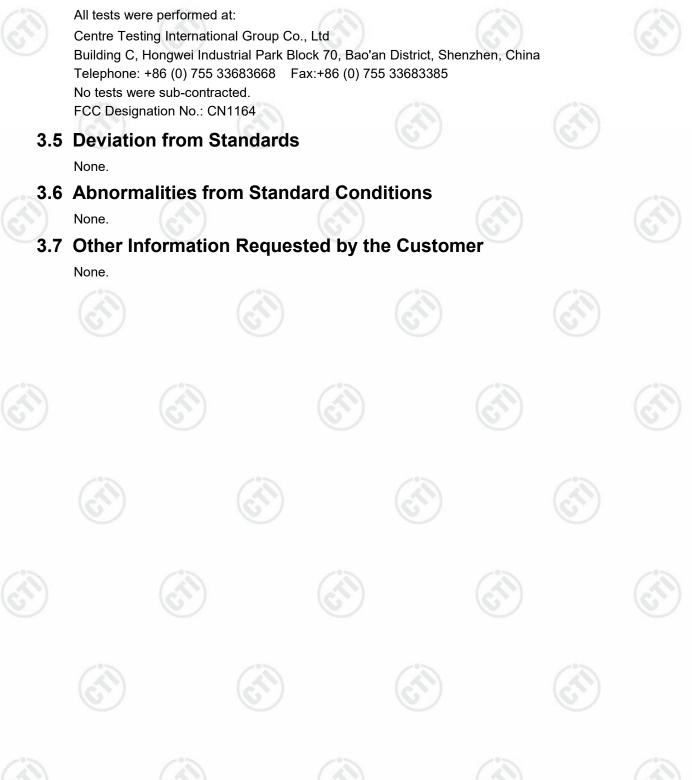






## 3.4 Test Location

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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

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

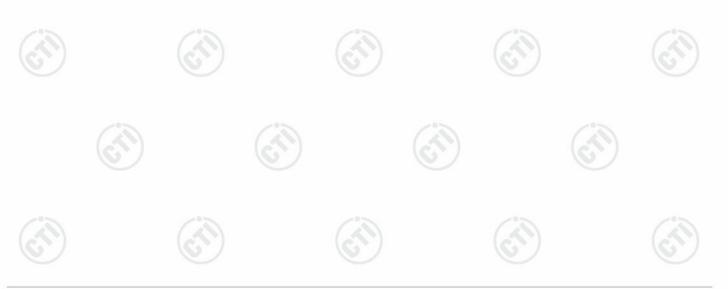
and f is in GHz, d is the separation distance (cm), and ERP20cm is per Formula (B.1).

$$P_{\text{th}} (\text{mW}) = ERP_{20 \text{ cm}} (\text{mW}) = \begin{cases} 2040f & 0.3 \text{ GHz} \le f < 1.5 \text{ GHz} \\ \\ 3060 & 1.5 \text{ GHz} \le f \le 6 \text{ GHz} \end{cases}$$
(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	(2)	1		AN I		(A)
Frequency (MHz)	Separation distance (cm)	Max. Conducted Output power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	ERP (dBm)	ERP (mW)	Limit (mW)	Resu
2402	0.5	1.37	3.85	5.22	3.07	2.028	2.788	PAS

#### Note:

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

3 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 \*\*\*