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# **RF Exposure Evaluation Report**

Product : PETBRICK 65

Trade mark : N/A

Model/Type reference : DR002

Serial Number : N/A

Report Number : EED32Q81668003 FCC ID : 2A3FY-DR002 Date of Issue : Dec, 02, 2024

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:

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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Reviewed by:

Frazer Li

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Date:

Dec, 02, 2024

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

# 3.2 General Description of EUT

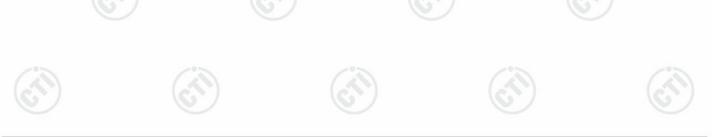
Product Name:	PETBF	RICK 65		
Model No.(EUT):	DR002		(6,1)	(6,2)
Trade Mark:	N/A			

## 3.3 Product Specification subjective to this standard

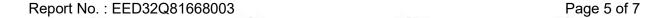
Frequency Range:	2402MHz~2	480MHz	(27)			
Modulation Type:	BLE: GFSK					
	2.4G: GFSK					
Test Power Grade:	Default	200				192
Test Software of EUT:	BLE: nRF_0	DTM,				
(6)	2.4G: RF TE	ST		(0,)		(6,)
Antenna Type:	PIFA Antenr	na				
Antenna Gain:	0.44dBi					
Davier Combin	USB port:	DC 5V	(3)		(3)	
Power Supply:	Battery:	DC 3.8V	((2))		(6:77)	
Sample Received Date:	Nov. 08, 202	24				
Sample tested Date:	Nov. 08, 202	24 to Nov. 23, 20	)24			
Damanda	-	•	-	•	-	•

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

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

## 3.5 Deviation from Standards

None.

### 3.6 Abnormalities from Standard Conditions

# 3.7 Other Information Requested by the Customer





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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

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

where

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

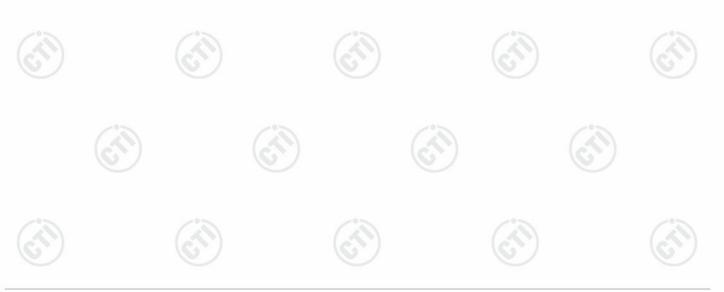
and f is in GHz, d is the separation distance (cm), and ERP20cm is per Formula (B.1).

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

Frequency (MHz)	Estimation distance (cm)	Max. Conducted Output power (dBm)	Antenna Gain (dBi)	ERP (dBm)	ERP (mW)	Limit (mW)	MPE ratio	Result
2480	0.5	2.77	0.4400	1.35	1.2764	2.7172	0.4697	Pass

#### For 2.4G

Frequency (MHz)	Estimation distance (cm)	Max. Conducted Output power (dBm)	Antenna Gain (dBi)	ERP (dBm)	ERP (mW)	Limit (mW)	MPE ratio	Result
2402	0.5	-1.63	0.4400	-3.34	0.4634	2.7877	0.1662	Pass

#### Note:

- ①EIRP=conducted power+antenna gain;
- ②ERP=EIRP-2.15;
- ③EIRP(dBm) = Field strength of the fundamental signal(dBuV/m@3m) 95.23;
- $4ERP(mW) = 10^{(ERP (dBm)/10)};$
- ⑤The estimation distance is 0.5cm;
- (6) The test data please refer to the report of EED32Q81668001, EED32Q81668002 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 \*\*\*