



# FCC TEST REPORT

## FCC ID: 2A2MQ-PET6

Product	:	Pet Feeder1
Model Name	:	Pet Feeder1
Additional Model	:	Pet Feeder1 Kit,Pet Feeder2,Pet Feeder2 Kit,Pet 6T,Pet 6F,Pet 7T,Pet 7F,Pet 8T,Pet 8F
Brand	:	N/A
Report No.	:	PTC25070722701E-FC04

### Prepared for

Hangzhou Arenti Technology Co., Ltd.

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### Prepared by

Precise Testing & Certification Co., Ltd.

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## TEST RESULT CERTIFICATION

Applicant's name : Hangzhou Arenti Technology Co., Ltd.  
Address : 4F, Building 4, No. 825, Ruquan Road, Changhe Street, Binjiang District, Hangzhou, Zhejiang, China  
Manufacturer's name : Hangzhou Meari Technology Co., Ltd.  
Address : 4F of Building 1 and 2-4F of Building 2, No. 91 Chutian Road, Xixing Street, Binjiang District, Hangzhou, Zhejiang, China  
Product name : Pet Feeder1  
Model name : Pet Feeder1  
Additional Model : Pet Feeder1 Kit, Pet Feeder2, Pet Feeder2 Kit, Pet 6T, Pet 6F, Pet 7T, Pet 7F, Pet 8T, Pet 8F  
Test procedure : FCC CFR47 Part 1.1307(b)(1)  
Test Date : Jul. 11, 2025 to Aug. 04, 2025  
Date of Issue : Aug. 04, 2025  
Test Result : PASS

This device described above has been tested by PTC, and the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

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Test Engineer:

A handwritten signature in black ink, appearing to read "Jack Zhou".

Jack Zhou / Engineer

Technical Manager:

A handwritten signature in black ink, appearing to read "Simon Pu".

Simon Pu / Manager



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## 2 Test Summary

Test Items	Test Requirement	Result
Maximum Permissible Exposure (Exposure of Humans to RF Fields)	part 2.1091.(i)	PASS
Remark:		
N/A: Not Applicable		



### 3 General Information

#### 3.1 General Description of E.U.T.

Product Name	:	Pet Feeder1
Model Name	:	Pet Feeder1
Additional Model	:	Pet Feeder1 Kit,Pet Feeder2,Pet Feeder2 Kit, Pet 6T,Pet 6F,Pet 7T,Pet 7F,Pet 8T,Pet 8F
Differences Description	:	Only the model name is different.
Specification	:	BT BLE 802.11b/g/n(HT20) 802.11a/n(HT20)
Operation Frequency	:	2400-2480MHz for BLE 2412-2462MHz for 802.11b/g/ n(HT20) 5G Wifi:5180-5240 MHz 5.8G Wifi:5745MHz~5825MHz
Number of Channel	:	40 channels For DTS 11 channels for 802.11b/g/ n(HT20) 4 channels for 802.11a/n20 5180-5240 MHz 5 channels for 802.11a/n20 5745MHz~5825MHz
Type of Modulation	:	GFSK For DTS DSSS with DBPSK/DQPSK/CCK for 802.11b; OFDM with BPSK/QPSK/16QAM/64QAM for 802.11g/n; OFDM with BPSK/QPSK/16QAM/64QAM for 802.11n/a
Antenna installation	:	FPC antenna
Antenna Gain	:	2.4G:4.03 dBi;5.2G:2.09dBi; 5.8G:2.16 dBi
Rated Power Supply	:	INPUT:DC 6V(1.5V*4 alkaline "D" batteries) Adapter1:CP0154-0502000UG4 INPUT:100-240V~ 50/60Hz 0.5A Max OUPUT USB-A1:5V== 2.0A 10.0W OUPUT USB-A2:5V== 2.0A 10.0W OUPUT Total:5V== 2.0A 10.0W Max Adapter2:AS011Z-0502000U INPUT:100-240V~ 50/60Hz 0.45A OUPUT:5V== 2.0A
Hardware Version	:	PET B3T-A11MB-SC11-REV1_0
Software Version	:	N/A



## 4 RF Exposure

Test Requirement : FCC Part 1.1307(b)(1)

Evaluation Method : KDB 447498 D01 General RF Exposure Guidance v06

### 4.1 Requirements

Systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy levels in excess limit for maximum permissible exposure. In accordance with 47 CFR FCC Part 2 Subpart J, section 2.1091 this device has been defined as a mobile device whereby a distance of 0.2 m normally can be maintained between the user and the device.

### 4.2 The procedures / limit

(A) Limits for Occupational / Controlled Exposure

Frequency Range	Electric Field	Magnetic Field	Power Density (S)	Averaging Time
0.3-3.0	614	1.63	(100)*	6
3.0-30	1842 / f	4.89 / f	(900 / f)*	6
30-300	61.4	0.163	1.0	6
300-1500			F/300	6
1500-100,000			5	6

(B) Limits for General Population / Uncontrolled Exposure

Frequency Range	Electric Field	Magnetic Field	Power Density (S)	Averaging Time
0.3-1.34	614	1.63	(100)*	30
1.34-30	824/f	2.19/f	(180/f)*	30
30-300	27.5	0.073	0.2	30
300-1500			F/1500	30
1500-100,000			1.0	30

Note: f = frequency in MHz ; \*Plane-wave equivalent power density



#### 4.3 MPE Calculation Method

$$E \text{ (V/m)} = \frac{\sqrt{30 \times P \times G}}{d} \quad \text{Power Density: } P_d \text{ (W/m}^2\text{)} = \frac{E^2}{377}$$

E = Electric field (V/m)

P = Peak RF output power (W)

G = EUT Antenna numeric gain (numeric)

d = Separation distance between radiator and human body (m)

The formula can be changed to

$$P_d = \frac{30 \times P \times G}{377 \times d^2} \theta \varphi$$

Antenna Gain (numeric)=10^(Antenna Gain/10)

From the peak EUT RF output power, the minimum mobile separation distance, d=0.2m, as well as the gain of the used antenna, the RF power density can be obtained

#### 4.4 Test Result

Test Mode	Test Frequency(M Hz)	Antenna Gain (numeric)	Max. Peak Output Power (dBm)	Tune up tolerance (dBm)	Max Tune Up Power (mW)	Power Density (mW/cm <sup>2</sup> )	Limit of Power Density (mW/cm <sup>2</sup> )	Result
BLE_1M	2402	2.529298	12.99	12.99±1	25.061093	0.0126101	1	Pass
11N20	2412	2.529298	18.09	18.09±1	81.096106	0.0408056	1	Pass
11A	5240	0.866962	17.58	17.58±1	72.110748	0.0232124	1	Pass
11N20	5745	1.475707	19.11	19.11±1	102.565193	0.0335521	1	Pass

Note : Sharing a single antenna, there is no simultaneous transmission situation.

\*\*\*\*\*THE END REPORT\*\*\*\*\*