



MPE Report

Report No.: STS2601395H01

Issued for

Shenzhenbenfendianzishangwuyouxiangongsi

Longhua District, Minxin Community Bishui Longting Building
6 Unit, 7B, Shenzhen GuangDong Sheng, 518000, China

Product Name: H1-C Automatic Pet Feeder with Camera

Brand Name: Oneisall

Model Name: PF11

Series Model(s): N/A

FCC ID: 2BBAWPF11

Test Standard: FCC 47CFR §2.1091

The test results presented in this report relate only to the object tested. This report shall not be reproduced, except in full, without the written approval of the ShenZhen STS Test Services Co., Ltd.

**TEST REPORT**

Applicant's Name: Shenzhenbenfendianzishangwuyouxiangongsi
Address: Longhua District, Minxin Community Bishui Longting Building 6
Unit, 7B, Shenzhen Guangdong Sheng, 518000, China
Manufacturer's Name: Shenzhenbenfendianzishangwuyouxiangongsi
Address: Longhua District, Minxin Community Bishui Longting Building 6
Unit, 7B, Shenzhen Guangdong Sheng, 518000, China

Product Description

Product Name: H1-C Automatic Pet Feeder with Camera
Brand Name: Oneisall
Model Name: PF11
Series Model(s): N/A

Test Standards: FCC 47CFR §2.1091
447498 D01 General RF Exposure Guidance v06

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Date of Test

Date of receipt of test item: 22 Jan. 2026
Date (s) of performance of tests: 22 Jan. 2026 to 30 Jan. 2026
Date of Issue: 30 Jan. 2026
Test Result: **Pass**

Testing Engineer :

Aaron Bu

(Aaron Bu)

Technical Manager :

Skylar Li

(Skylar Li)

Authorized Signatory :

Bovey Yang

(Bovey Yang)





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**Revision History**

Rev.	Issue Date	Report No.	Effect Page	Contents
00	30 Jan. 2026	STS2601395H01	ALL	Initial Issue



1. GENERAL INFORMATION

1.1 GENERAL DESCRIPTION OF THE EUT

Product Name	H1-C Automatic Pet Feeder with Camera	
Brand Name	Oneisall	
Model Name	PF11	
Series Model(s)	N/A	
Model Difference	N/A	
Product Description	The EUT is a H1-C Automatic Pet Feeder with Camera	
	Operation Frequency:	2402~2480 MHz 802.11b/g/n/ax(20MHz): 2412~2472MHz 802.11n/ax(40MHz):2422~2462MHz IEEE 802.11a/ n(HT20)/ac(VHT20)/ax(HE20): 5.745GHz-5.825GHz IEEE 802.11a/ n(HT40)/ac(VHT40)/ax(HE40): 5.755GHz-5.795GHz
	Modulation Type:	GFSK 802.11b(DSSS):CCK,DQPSK,DBPSK 802.11g(OFDM):BPSK,QPSK,16-QAM,64-QAM 802.11n(OFDM):BPSK,QPSK,16-QAM,64-QAM 802.11ax(OFDM, OFDMA): BPSK,QPSK,16-QAM,64-QAM,256-QAM, 1024QAM 802.11a(OFDM): BPSK,QPSK,16-QAM,64-QAM 802.11n(OFDM): BPSK,QPSK,16-QAM,64-QAM 802.11ac(OFDM): BPSK,QPSK,16-QAM,64-QAM,256-QAM 802.11ax(OFDM, OFDMA): BPSK,QPSK,16-QAM,64-QAM,256-QAM, 1024QAM
	Antenna gain:	2.4GHz: 2.96dBi 5.8GHz: 3.57dBi
	Antenna Designation:	FPC Antenna
Power Rating	DC 4.5V (1.5V*3) from battery, DC 5V from adapter	
Adapter	Model No.: AS1207A-0502000USU Input: AC 100-240V 50/60Hz 0.35A MAX Output: DC 5V 2A	
Battery	N/A	
Hardware Version	N/A	
Software Version	N/A	

1.2 TEST FACTORY

SHENZHEN STS TEST SERVICES CO., LTD

Add. : 101, Building B, Zhuoke Science Park, No.190 Chongqing Road, ZhanChengShequ, Fuhai Sub-District, Bao'an District, Shenzhen, Guang Dong, China



FCC test Firm Registration Number: 625569

IC test Firm Registration Number: 12108A

A2LA Certificate No.: 4338.01

2. FCC 47CFR §2.1091 REQUIREMENT

2.1 TEST STANDARDS

The limit for Maximum Permissible Exposure (MPE) specified in FCC 1.1310 is followed. The gain of the antennas used in the product is extracted from the Antenna data sheets provided and also the maximum total power input to the antenna is measured. Through the Friis transmission formula and the maximum gain of the antenna, we can calculate the distance, away from the product, where the limit of MPE is reached.

Although the Friis Transmission formula is far field assumption, the calculated result of that is an over-prediction for near field power density. It is taken as worst case to specify the safety range.

2.2 LIMIT

According to FCC 1.1310: The criteria listed in the following table shall be used to evaluate the environmental impact of the human exposure to radio-frequency (RF) radiation as specified in 1.1307 (b)

Limits for Maximum Permissible Exposure (MPE)

Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (mW/cm ²)
Limits for Occupational / controlled Exposures			
300 - 1500	--	--	F/300
3.0-30	1842/f	4.89/f	*(900/f ²)
1500 – 100000	--	--	5.0
Limits for General population / Uncontrolled Exposure			
300 - 1500	--	--	F/1500
1.34-30	824/f	2.19/f	*(180f ²)
1500 – 100000	--	--	1.0

F= Frequency in MHz

Friss Formula

Friss Transmission Formula: $P_d = (P_{out} * G) / (4 * \pi * r^2)$

Where

P_d = power density in mW/cm²

P_{out} = output power to antenna in mW

G = gain of antenna in linear scale

π = 3.1416

R = Distance between observation point and the center of radiator in cm

If we know the maximum gain of the antenna and the total output power to the antenna, through calculation, we will know MPE value at distance 20cm.



2.3 TEST RESULT

Tune up

Mode	Tune up Power
BLE (GFSK)	6±1dBm
WIFI 2.4G (802.11b)	12±1dBm
WIFI 5.8G (802.11a)	11±1dBm

Protocol	Fre. (GHz)	Separation distance (cm)	Max Tune up power (dBm)	ANT Gain (dBi)	Max EIRP (dBm)	Max EIRP (mW)	Power Density (mW/cm ²)	Limit (mW/cm ²)	Ratio	Result
BLE (GFSK)	2.48	20	7	2.96	9.96	9.908	0.0020	1	/	Pass
WIFI 2.4G (802.11b)	2.462	20	13	2.96	15.96	39.446	0.0078	1	/	Pass
WIFI 5.8G (802.11a)	5.825	20	12	3.57	15.57	36.058	0.0072	1	/	Pass

Note: 1. The Maximum power is less than the limit, complies with the exemption requirements.

2. The Bluetooth and WLAN can't simultaneous transmission at the same time.

※※※※※END OF THE REPORT※※※※※