

TEST REPORT

Reference No...... : WTS20S11085252W002
FCC ID : REY-FDW050
Applicant..... : SKYRC Technology Co., Ltd.
Address..... : 4,5,8/F, Building No. 6, MeiTai Industry Park, Guanguang South Road, Guihua, Guanlan Longhua New District, Shenzhen, China
Manufacturer : The same as above
Address..... : The same as above
Product..... : Nutri Vision Mini Feeder
Model(s) : FDW050
Brand Name : PETONEER
Standards..... : FCC Part 2.1093
Date of Receipt sample : 2020-12-06
Date of Test : 2020-12-07 to 2020-12-15
Date of Issue..... : 2020-12-16
Test Result..... : **Pass**

Remarks:

The results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of compiler and approver.

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3 Revision History

Test report No.	Date of Receipt sample	Date of Test	Date of Issue	Purpose	Comment	Approved
WTS20S11085 252W002	2020-12-06	2020-12-07 to 2020-12-15	2020-12-16	original	-	Valid

4 General Information

4.1 General Description of E.U.T.

Product:	Nutri Vision Mini Feeder
Model(s):	FDW050
Wi-Fi Specification:	2.4G-802.11b/g/n HT20 HT40
Hardware Version:	V0.20
Software Version:	0008
Highest frequency (Exclude Radio):	Below 108MHz
Note:	N/A

4.2 Details of E.U.T.

Operation Frequency:	WiFi: 802.11b/g/n HT20: 2412~2462MHz 802.11n HT40: 2422~2452MHz
Max. RF output power:	WiFi(2.4G): 18.04dBm
Type of Modulation:	WiFi: CCK, OFDM
Antenna installation:	WiFi: internal permanent antenna
Antenna Gain:	WiFi(2.4G): 3.5dBi
Ratings:	DC 5V, 2A, charging from adapter (Adapter Input: 100-240V~50/60Hz 0.4A)
Adapter:	Manufacturer: Dong Guan City GangQi Electronics CO.,LTD Model No.: GQ12-050200-ZU

5 Test Summary

Test Items	Test Requirement	Result
Maximum Permissible Exposure (Exposure of Humans to RF Fields)	2.1093	PASS

6 RF Exposure

Test Requirement: FCC Part 2.1093

Test Mode: The EUT work in test mode(Tx).

6.1 Procedures and Requirements

According to § 15.247 (i) and § 1.1307(b)(1), 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 level in excess of the Commission's guidelines.

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at *test separation distances* ≤ 50 mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f_{\text{(GHz)}}}] \leq 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR,¹⁶ where

- $f_{\text{(GHz)}}$ is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation¹⁷
- The result is rounded to one decimal place for comparison

The test exclusions are applicable only when the minimum *test separation distance* is ≤ 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum *test separation distance* is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion.

Routine SAR evaluation refers to that specifically required by § 2.1093, using measurements or computer simulation. When routine SAR evaluation is not required, portable transmitters with output power greater than the applicable low threshold require SAR evaluation to qualify for TCB approval.

6.2 Calculation Method

FCC Part 2.1093:

$$\text{result} = P \sqrt{F} / D$$

P= Maximum turn-up power in mW

F= Channel frequency in GHz

D= Minimum test separation distance in mm

6.3 Test Result

FCC Part 2.1093:

A distance of 5mm normally can be maintained between the user and the device(Worst data).

Modulation	CH	Freq. (GHz)	Conducted Power (dBm)	Tune Up Power (dBm)	Max Tune Up Power (dBm)	Max Tune Up Power (mW)	Result	Limit
CCK	High	2.462	18.04	19 ± 1	20	100	0.31	3

=====End of Report=====