Test Report

Customer Company & Address:			
Company Name: EILEEN GRAYS NETWORK TECHNOLOGY CO LTD Add: Rm 1707-1710 block D Weilan Business port Qianshan Rd Zhengwu District Hefei,Anhui CHINA			
Contact Person:	Peter	**Email:**	peter@eileengrays.com
Telephone:	13631126042	**Fax:**	N/A

Manufacturer:	Zhongshan Weiyu Electrical Appliances Co,Ltd
Country of Origin:	China
Country of Export:	USA
Brand Name:	Parrotuncle
Product Description:	Ceiling Fan
Representative (Tested) Model:	F3501
Model Number:	F3501, F3501WH, F3501CH, F3501AG, F3501WOW
Model Differences:	Color
Electrical Specification:	120V/60Hz

Test Laboratory & Address:			
UL Verification Services (Guangzhou) Co., Ltd. ADD: 1-3F & Room 501, Building 2 (R&D Center A1), No. 25, South Huanshi Avenue, Nansha District, Guangzhou 511458, China			
Telephone:	+86 20 28667188	**Fax:**	+86 20 83486605

Receipt of Test Samples	2019-12-05	**Test Period**	2019-12-05~2019-12-19

Handle By	Approved By
Chuxian Jiang / Chuxian Jiang	/ Liny Lan
Test Personnel Name & Signatory	**Approval Name & Signatory**

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Testing Regulation

☑ DOE	DEPARTMENT OF ENERGY Office of Energy Efficiency and Renewable Energy 10 CFR Parts 429 and 430 [Docket No.EERE-2013-BT-TP-0050] RIN: 1904-AD10
☐ CEC	CEC-400-2017-002 California Code of Regulations,Title 20,Sections 1601 through 1608
☐ ES	ENERGY STAR Program Requirements - Product Specification for Residential Ceiling Fans and Ceiling Fan Light Kits - Eligibility Criteria Version 4.0
☐ NRCAN	Amendment 16 to the Energy Efficiency Regulations, 2016: SOR/2019-163 was published in Canada Gazette Part II on June 12, 2019 for Airflow of Ceiling Fans

Statement of Results

Test Flow	Test Method	Sample ID (Lab)	Sample Serial No.	Pass/Fail/NA
Ceiling Fan Energy Efficiency Testing	Appendix U to Subpart B of Part 430 – Uniform Test Method for Measuring the Energy Consumption of Ceiling Fan	2729223	N/A	Pass
		2729224	N/A	

Deviation from Test Method *(if any)*

N/A

Remark *(if any)*

* The measurement result for the sample received are according to the Accuracy Method decision rule.

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Test Flow : Ceiling Fan Energy Efficiency Testing

1. Test Equipment

Equipment ID	Equipment Name	Last Calibration Date	Calibration Due Date
GVS-LE-CF001	Power Meter	2019-07-19	2020-07-18
GVS-LE-CF002	Digital Tachometer	2019-07-21	2020-07-20
GVS-LE-CF003	Tem.& Hum.& Atm. Record	2019-07-19	2020-07-18
GVS-LE-CF004	Distance Measure Meter	2019-07-25	2020-07-24
GVS-LE-CF005	Chamber	2019-07-21	2020-07-20
GVS-LE-CF007	Rotating Sensor Arm System	2019-07-21	2020-07-20
GVS-LE-CF009～020	Air Speed Sensor	2019-10-16	2020-10-15

2. Test Sample Information

Product Description	Ceiling Fan		
Representative (Tested) Model	F3501		
Light Kit Model Number	E26		
Motor Model Number	153*12	Number of Blades	3
Fan Size(inch)	36	Blade Pitch Angle(°)	20°
Speed Control Type/Model No.	Remote Control	Downrod Length(inch)	4
Blade Description	Curved Surface	Mounting Method	Standard Only
Blade Weight(g)	180	DOE Products Category	LSSD
Blade Edge Thickness(inch)	0.1260	Flow-Direction Control Type/Model No.	Slide Switch
Blades Lowest Point to Ceiling(incl	Standard: 10.04		

3. Test Result

Standard Mounting Method

Sample ID	Measured Airfow(CFM)			Measured Power(W)				Efficiency (CFM/W)
	High	Medium	Low	High	Medium	Low	standby	
001	3089.31	/	1911.64	43.01	/	19.12	0.27	77.91
002	3089.92	/	1930.55	43.05	/	19.07	0.27	78.21
Average of Sample	3089.61	/	1921.10	43.03	/	19.09	0.27	78.06
LCL/0.9 for Airflow	3431.87	/	2102.20	/	/	/	/	86.22
UCL/1.1 for Power	/	/	/	39.22	/	17.52	0.25	/
Represented Value	3089.61	/	1921.10	43.03	/	19.09	0.27	78.06
Minimum Efficiency(CFM/W)	61.43							
Result (Pass/Fail)	Pass							
FTC EnergyGuide Label Information								
Weighted-Average Airflow CFM_{ave}	2542							
Energy Use W_{ave}	33							
Estimated Yearly Energy Cost($)	9							
Efficiency(CFM/W)	78							

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4. Test Data

LSSD+Standard -001

Sample ID	001	Tested Date	2020/1/6	Tested By	Chuxian
Room Temp.(^{0}C)	23.8	Relative Humidity(%)	52.0	Barometric Pressure(PSI)	14.7
Low Speed Testing Model					
Max. RPM	235	Min. RPM	226	Voltage(V)	120.04
Frequency(Hz)	59.990	Power P1(W)	19.12	Current(A)	0.3272

Sensor #	Sensor Dist. From Center (inch)	Velocity in FPM - Axis #				Average Vel. (FPM)	Circle area (sq. Ft.)	Air Delivery (CFM)
		A	B	C	D			
1	0	129.62	113.65	112.54	140.80	124.15	0.0873	10.84
2	4	307.32	246.19	150.02	248.14	237.92	0.6981	166.09
3	8	341.58	337.11	371.39	349.34	349.85	1.3963	488.50
4	12	210.05	275.40	329.48	268.22	270.78	2.0944	567.13
5	16	98.46	172.53	174.81	159.42	151.31	2.7925	422.53
6	20	51.72	89.62	76.00	76.64	73.49	3.4907	256.55
							Total Air Flow of Low Speed(CFM)	1911.64

High Speed Testing Model					
Max. RPM	313	Min. RPM	306	Voltage(V)	120.00
Frequency(Hz)	59.990	Power P2(W)	43.01	Current(A)	0.3949

Sensor #	Sensor Dist. From Center	Velocity in FPM - Axis #				Average Vel. (FPM)	Circle area (sq. Ft.)	Air Delivery (CFM)
		A	B	C	D			
1	0	208.43	154.59	182.29	237.48	195.70	0.0873	17.08
2	4	534.03	364.67	261.59	429.66	397.48	0.6981	277.48
3	8	554.95	544.91	605.53	589.21	573.65	1.3963	800.98
4	12	327.26	440.74	495.27	442.15	426.35	2.0944	892.95
5	16	151.87	290.21	251.46	265.32	239.71	2.7925	669.39
6	20	81.84	165.68	112.00	134.85	123.60	3.4907	431.43
							Total Air Flow of High Speed(CFM)	3089.31

Standby Testing Model			
Voltage(V)	120.05	Frequency(Hz)	59.989
Power P0(W)	0.27	Current(A)	0.1424

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LSSD+Standard -002

Sample ID	002	Tested Date	2020/1/6	Tested By	Chuxian
Room Temp.(^{0}C)	22.1	Relative Humidity(%)	52.0	Barometric Pressure(PSI)	14.7

Low Speed Testing Model								
Max. RPM	235	Min. RPM	226	Voltage(V)	120.04			
Frequency(Hz)	59.990	Power P1(W)	19.07	Current(A)	0.3269			
Sensor #	Sensor Dist. From Center (inch)	Velocity in FPM - Axis #				Average Vel. (FPM)	Circle area (sq. Ft.)	Air Delivery (CFM)
		A	B	C	D			
1	0	127.83	104.23	114.26	112.57	114.72	0.0873	10.02
2	4	313.23	236.16	147.49	218.19	228.77	0.6981	159.70
3	8	352.35	340.73	375.92	338.08	351.77	1.3963	491.18
4	12	212.63	279.51	327.41	279.30	274.71	2.0944	575.36
5	16	97.38	175.55	171.67	174.15	154.69	2.7925	431.97
6	20	51.06	91.37	74.72	83.46	75.15	3.4907	262.33
Total Air Flow of Low Speed(CFM)								1930.55

High Speed Testing Model								
Max. RPM	313	Min. RPM	311	Voltage(V)	120.00			
Frequency(Hz)	59.990	Power P1(W)	43.05	Current(A)	0.3953			
Sensor #	Sensor Dist. From Center	Velocity in FPM - Axis #				Average Vel. (FPM)	Circle area (sq. Ft.)	Air Delivery (CFM)
		A	B	C	D			
1	0	209.50	156.12	170.17	213.94	187.43	0.0873	16.36
2	4	534.05	339.99	243.32	388.61	376.49	0.6981	262.83
3	8	568.57	533.29	602.91	562.52	566.82	1.3963	791.45
4	12	335.79	454.16	496.21	439.97	431.53	2.0944	903.80
5	16	156.43	289.72	246.44	275.18	241.94	2.7925	675.62
6	20	83.74	165.88	110.65	143.75	126.01	3.4907	439.85
Total Air Flow of High Speed(CFM)								3089.92

Standby Testing Model			
Voltage(V)	120.07	Frequency(Hz)	59.990
Power P0(W)	0.27	Current(A)	0.1416

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5. Test Sample Photo(s)

Sample Photo

Rating Lable

**********END OF TEST REPORT**********