

RF TEST REPORT

For

Shenzhen Kuaimen photographic Equipment Co.,Ltd Product Name: LED Fill Light

Test Model(s).: CL-V17

Report Reference No. : DACE240730007RL001

FCC ID : 2BH9ACL-V17

Applicant's Name : Shenzhen Kuaimen photographic Equipment Co.,Ltd

Address 7F,Building E,DonghaiWang Mansion,Bulong Road,Bantian Street,

Longgang District, Shenzhen

Testing Laboratory: Shenzhen DACE Testing Technology Co., Ltd.

Address 102 Building H1 & 1/F., Building H, Hongfa Science & Technology Park,

Tangtou, Shiyan, Bao' an District, Shenzhen, Guangdong, China

Test Specification Standard : 47 CFR Part 15.209

Date of Receipt : July 30, 2024

Date of Test : July 30, 2024 to August 1, 2024

Data of Issue : August 1, 2024

Result : Pass

Note: This report shall not be reproduced except in full, without the written approval of Shenzhen DACE Testing Technology Co., Ltd. This document may be altered or revised by Shenzhen DACE Testing Technology Co., Ltd. personnel only, and shall be noted in the revision section of the document. The test results in the report only apply to the tested sample

102, Building H1, & 1/F., Building H, Hongfa Science & Technology Park, Tangtou Connunity, Shiyan Subdistrict, Bao'an District, Shenzhen, Guangdong, China

Web: http://www.dace-lab.com Tel: +86-755-23010613 E-mail: service@dace-lab.com Page 1 of 32



Revision History Of Report

Version	Description	REPORT No.	Issue Date
V1.0	Original	DACE240730007RL001	August 1, 2024
	- XC	6	
-	OP		
		J.	

NOTE1:

The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards.

Compiled by:	Supervised by:	Approved by:	
Sen Tang	Tomchen	Machael Mo	
Ben Tang /Test Engineer	Tom Chen / Project Engineer	Machael Mo / Manager	

102, Building H1, & 1/F., Building H, Hongfa Science & Technology Park, Tangtou Connunity, Shiyan Subdistrict, Bao'an District, Shenzhen, Guangdong, China

Web: http://www.dace-lab.com Tel: +86-755-23010613 E-mail: service@dace-lab.com Page 2 of 32

V1.0

CONTENTS

1 TEST SUMMARY	4
1.1 Test Standards	
2 GENERAL INFORMATION	5
2.1 CLIENT INFORMATION	5 5 6 8 8
3 EVALUATION RESULTS (EVALUATION)	9
3.1 Antenna requirement	9
3.1.1 Conclusion:	9
4 RADIO SPECTRUM MATTER TEST RESULTS (RF)	10
4.1 CONDUCTED EMISSION AT AC POWER LINE	10
4.1.1 E.U.T. Operation:	10
4.1.2 Test Setup Diagram:	10
4.1.3 Test Data:	11
4.2 20DB OCCUPIED BANDWIDTH	13
4.2.1 E.U.T. Operation:	13
4.2.1 E.U.T. Operation:	14
4.2.3 Test Data:	14
4.3 EMISSIONS IN FREQUENCY BANDS (BELOW 30MHz)	
4.3.1 E.U.T. Operation:	16
4.3.2 Test Data:	17
4.4 EMISSIONS IN FREQUENCY BANDS (30MHz - 1GHz)	19
4.4.1 E.U.T. Operation:	19
4.4.2 Test Data:	
5 TEST SETUP PHOTOS	22
6 PHOTOS OF THE EUT	24

Web: http://www.dace-lab.com Tel: +86-755-23010613 E-mail: service@dace-lab.com Page 3 of 32



1 TEST SUMMARY

1.1 Test Standards

The tests were performed according to following standards:

47 CFR Part 15.209: Radiated emission limits; general requirements

1.2 Summary of Test Result

Item	Standard	Method	Requirement	Result
Antenna requirement	47 CFR Part 15.209		47 CFR Part 15.203	Pass
Conducted Emission at AC power line	47 CFR Part 15.209	ANSI C63.10-2013 section 6.2	47 CFR Part 15.207(a)	Pass
20dB Occupied Bandwidth	47 CFR Part 15.209	ANSI C63.10-2013, section 6.9.2	47 CFR Part 15.215(c)	Pass
Emissions in frequency bands (below 30MHz)	47 CFR Part 15.209	ANSI C63.10-2013 section 6.4	47 CFR Part 15.209	Pass
Emissions in frequency bands (30MHz - 1GHz)	47 CFR Part 15.209	ANSI C63.10-2013 section 6.5	47 CFR Part 15.209	Pass

Report No.: DACE240730007RL001

Note: 1.N/A -this device(EUT) is not applicable to this testing item

2. RF-conducted test results including cable loss.

102, Building H1, & 1/F., Building H, Hongfa Science & Technology Park, Tangtou Connunity, Shiyan Subdistrict, Bao'an District, Shenzhen, Guangdong, China

Web: http://www.dace-lab.com Tel: +86-755-23010613 E-mail: service@dace-lab.com Page 4 of 32



GENERAL INFORMATION

2.1 Client Information

Applicant's Name Shenzhen Kuaimen photographic Equipment Co.,Ltd

Address 7F,Building E,DonghaiWang Mansion,Bulong Road,Bantian Street,Longgang

District, Shenzhen

Dongguan Kuaiyin Electronic Technology Co., Ltd. Manufacturer

Address Room 301, No. 16, Fengping Road, Sanzhong, Qingxi Town, Dongguan City,

Guangdong

2.2 Description of Device (EUT)

Product Name:	LED Fill Light
Model/Type reference:	CL-V17
Series Model:	N/A
Trade Mark:	N/A
Power Supply:	DC 5V/3A from adapter
Operation Frequency:	115KHz~205KHz
Number of Channels:	N/A
Modulation Type:	MSK
Antenna Type:	Inductive loop coil Antenna
Antenna Gain:	0dBi (Max)
Hardware Version:	V1.0
Software Version:	V1.0

2.3 Description of Test Modes

No	Description	
TM1	Keep the EUT in wireless charging mode(EUT + Wireless Intput Power:5W)	Wireless Intput Power:5W
TM2	Keep the EUT in wireless charging mode(EUT + Wireless Intput Power:7.5W)	Wireless Intput Power:7.5W
ТМЗ	Keep the EUT in wireless charging mode(EUT + Wireless Intput Power:10W)	Wireless Intput Power:10W

Remark:TM1 is the full load mode, the full load mode is the worst mode,Only the data of the worst mode would be recorded in this report.

2.4 Description of Support Units

Title	Manufacturer	Model No.	Serial No.	
AC-DC adapter HUAWEI TECHNOLOGY		HW100400C01	1	
Wireless Charging Load Module	N/A	N/A	Wireless Intput Power:10W	

102, Building H1, & 1/F., Building H, Hongfa Science & Technology Park, Tangtou Connunity, Shiyan Subdistrict, Bao'an District, Shenzhen, Guangdong, China

Web: http://www.dace-lab.com Tel: +86-755-23010613 E-mail: service@dace-lab.com Page 5 of 32



2.5 Equipments Used During The Test

Conducted Emission at AC power line					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
Power absorbing clamp	SCHWARZ BECK	MESS- ELEKTRONIK	1	2024-03-25	2025-03-24
Electric Network	SCHWARZ BECK	CAT5 8158	CAT5 8158#207	2023-12-12	2024-12-11
Cable	SCHWARZ BECK	104	1	2024-03-20	2025-03-19
Pulse Limiter	SCHWARZ BECK	VTSD 9561-F Pulse limiter 10dB Ateennator	561-G071	2023-12-12	2024-12-11
50ΩCoaxial Switch	Anritsu	MP59B	M20531	2023-12-12	2024-12-11
Test Receiver	Rohde & Schwarz	ESPI TEST RECEIVER	ID:1164.6607K 03-102109- MH	2024-06-12	2025-06-11
L.I.S.N	R&S	ESH3-Z5	831.5518.52	2023-12-12	2024-12-11
EMI test software	EZ -EMC	EZ EZ	V1.1.42	2023-12-12	2024-12-11

20dB Occupied Bandy	20dB Occupied Bandwidth					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date	
RF Test Software	TACHOY	RTS-01	V2.0.0.0	2023-12-12	2024-12-11	
High Pass filter	ZHINAN	OQHPF1-M1.5- 18G-224	6210075	2023-12-12	2024-12-11	
Power divider	MIDEWEST	PWD-2533	SMA-79	2023-05-11	2026-05-10	
RF Sensor Unit	Tachoy Information Technology(she nzhen) Co.,Ltd.	TR1029-2	000001	2023-12-12	2024-12-11	
Wideband radio communication tester	R&S	CMW500	113410	2024-06-12	2025-06-11	
Vector signal generator	Keysight	N5181A	MY48180415	2023-11-09	2024-11-08	
Signal generator	Keysight	N5182A	MY50143455	2023-11-09	2024-11-08	
Spectrum Analyzer	Keysight	N9020A	MY53420323	2023-12-12	2024-12-11	

Web: http://www.dace-lab.com

Tel: +86-755-23010613

E-mail: service@dace-lab.com

Page 6 of 32



Emissions	in frequen	cy bands ((below 30MHz)
Emissions	in frequen	cy bands ((30MHz - 1GHz)

Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
EMI Test software	Farad	EZ -EMC	V1.1.42	2023-12-12	2024-12-11
Positioning Controller	1	MF-7802	1	2023-12-12	2024-12-11
High Pass filter	ZHINAN	OQHPF1-M1.5- 18G-224	6210075	2023-12-12	2024-12-11
Amplifier(18-40G)	COM-POWER	AH-1840	10100008-1	2022-04-05	2025-04-04
Horn antenna	COM-POWER	AH-1840 (18-40G)	10100008	2023-04-05	2025-04-04
Loop antenna	ZHINAN	ZN30900C	ZN30900C	2024-06-14	2026-06-13
Cable(LF)#2	Schwarzbeck	1	1	2024-02-19	2025-02-18
Cable(LF)#1	Schwarzbeck	1	1	2024-02-19	2025-02-18
Cable(HF)#2	Schwarzbeck	AK9515E	96250	2024-03-20	2025-03-19
Cable(HF)#1	Schwarzbeck	SYV-50-3-1	1	2024-03-20	2025-03-19
Power amplifier(LF)	Schwarzbeck	BBV9743	9743-151	2024-06-12	2025-06-11
Power amplifier(HF)	Schwarzbeck	BBV9718	9718-282	2024-06-12	2025-06-11
Wideband radio communication tester	R&S	CMW500	113410	2024-06-12	2025-06-11
Spectrum Analyzer	R&S	FSP30	1321.3008K40 -101729-jR	2024-06-12	2025-06-11
Horn Antenna	Sunol Sciences	DRH-118	A091114	2023-05-13	2025-05-12
Broadband Antenna	Sunol Sciences	JB6 Antenna	A090414	2023-05-21	2025-05-20
Test Receiver	R&S	ESCI	102109	2024-06-12	2025-06-11

Web: http://www.dace-lab.com Tel: +86-755-23010613 E-mail: service@dace-lab.com Page 7 of 32

2.6 Statement Of The Measurement Uncertainty

V1.0

Test Item		Measurement Uncertainty
Conducted Disturbance (0.15~30MHz)	OP-	±2.72dB
Occupied Bandwidth		±3.63%
Radiated Emission (Below 1GHz)		±5.79dB

Note: (1) This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

2.7 Identification of Testing Laboratory

Company Name:	Shenzhen DACE Testing Technology Co., Ltd.
Address:	102 Building H1 & 1/F., Building H, Hongfa Science & Technology Park, Tangtou, Shiyan, Bao′ an District, Shenzhen, Guangdong, China
Phone Number:	+86-13267178997
Fax Number:	86-755-29113252

Identification of the Responsible Testing Location

Company Name:	Shenzhen DACE Testing Technology Co., Ltd.					
Address:	102 Building H1 & 1/F., Building H, Hongfa Science & Technology Park, Tangtou, Shiyan, Bao' an District, Shenzhen, Guangdong, China					
Phone Number:	+86-13267178997					
Fax Number:	86-755-29113252					
FCC Registration Number:	0032847402					
Designation Number:	CN1342					
Test Firm Registration Number:	778666					
A2LA Certificate Number:	6270.01					

2.8 Announcement

- (1) The test report reference to the report template version v0.
- (2) The test report is invalid if not marked with the signatures of the persons responsible for preparing, reviewing and approving the test report.
- (3) The test report is invalid if there is any evidence and/or falsification.
- (4) This document may not be altered or revised in any way unless done so by POCE and all revisions are duly noted in the revisions section.
- (5) Content of the test report, in part or in full, cannot be used for publicity and/or promotional purposes without prior written approval from the laboratory.
- (6) The laboratory is only responsible for the data released by the laboratory, except for the part provided by the applicant.

Web: http://www.dace-lab.com Tel: +86-755-23010613 E-mail: service@dace-lab.com Page 8 of 32



3 Evaluation Results (Evaluation)

3.1 Antenna requirement

Test Requirement:

Refer to 47 CFR Part 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.

3.1.1 Conclusion:



Web: http://www.dace-lab.com Tel: +86-755-23010613 E-mail: service@dace-lab.com Page 9 of 32



4 Radio Spectrum Matter Test Results (RF)

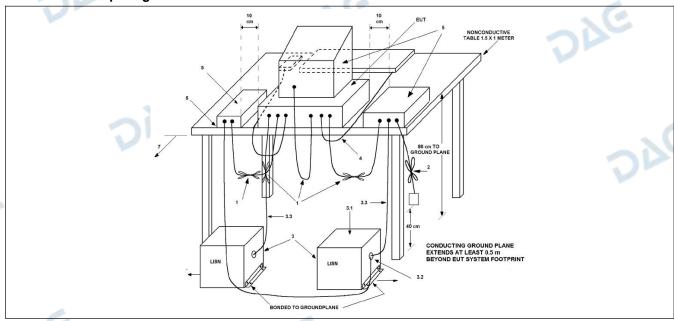
4.1 Conducted Emission at AC power line

Test Requirement: Except as shown in paragraphs (b)and (c)of this section, for an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 kHz to 30 MHz, shall not exceed the limits in the following table, as measured using a 50 µH/50 ohms line impedance stabilization network (LISN).								
Test Limit:	Frequency of emission (MHz)							
		Quasi-peak	Average					
	0.15-0.5	66 to 56*	56 to 46*					
	0.5-5	56	46					
	5-30	60	50					
\	*Decreases with the logarithm of the	e frequency.	·					
Test Method:	ANSI C63.10-2013 section 6.2							
Procedure:	Refer to ANSI C63.10-2013 section 6.2, standard test method for ac power-line conducted emissions from unlicensed wireless devices							

4.1.1 E.U.T. Operation:

Operating Environment:									
Temperature:	Temperature: 24 °C			49 %	Atmospheric Pressure:	101 kPa			
Pretest mode: TM									
Final test mode		TM1							

4.1.2 Test Setup Diagram:

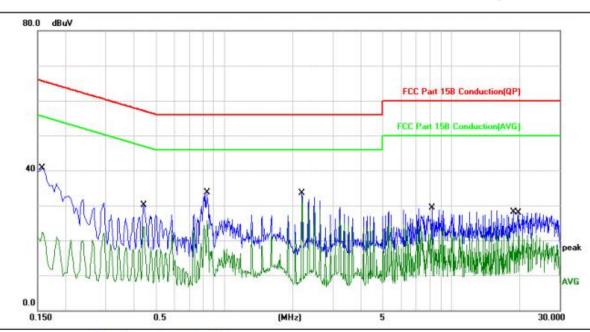


Web: http://www.dace-lab.com Tel: +86-755-23010613 E-mail: service@dace-lab.com Page 10 of 32



4.1.3 Test Data:

TM1 / Line: Line Power:AC120V60Hz V1.0



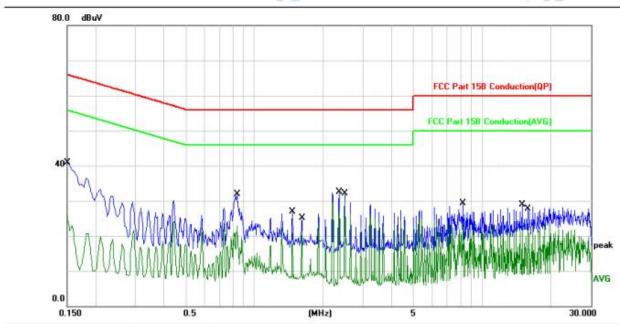
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over			
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment	
1		0.1580	30.68	10.10	40.78	65.56	-24.78	QP		
2		0.1580	12.24	10.10	22.34	55.56	-33.22	AVG		
3		0.4420	19.97	10.07	30.04	57.02	-26.98	QP		
4		0.4420	13.91	10.07	23.98	47.02	-23.04	AVG		
5		0.8380	23.64	10.08	33.72	56.00	-22.28	QP		
6		0.8420	15.61	10.08	25.69	46.00	-20.31	AVG		
7		2.1980	23.41	10.01	33.42	56.00	-22.58	QP		
8	*	2.1980	21.98	10.01	31.99	46.00	-14.01	AVG		
9		8.2100	19.00	10.28	29.28	60.00	-30.72	QP		
10		8.2100	13.51	10.28	23.79	50.00	-26.21	AVG		
11		18.7740	12.20	10.56	22.76	50.00	-27.24	AVG		
12		19.6540	17.39	10.58	27.97	60.00	-32.03	QP		

102, Building H1, & 1/F., Building H, Hongfa Science & Technology Park, Tangtou Connunity, Shiyan Subdistrict, Bao'an District, Shenzhen, Guangdong, China

Web: http://www.dace-lab.com Tel: +86-755-23010613 E-mail: service@dace-lab.com Page 11 of 32



TM1 / Line: Neutral Power:AC120V60Hz



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1500	30.75	10.10	40.85	65.99	-25.14	QP	
2		0.1500	15.76	10.10	25.86	55.99	-30.13	AVG	
3		0.8380	21.72	10.08	31.80	56.00	-24.20	QP	
4		0.8380	12.77	10.08	22.85	46.00	-23.15	AVG	
5		1.4660	16.87	10.04	26.91	56.00	-29.09	QP	
6		1.6140	11.27	10.03	21.30	46.00	-24.70	AVG	
7		2.3460	22.40	10.02	32.42	56.00	-23.58	QP	
8	*	2.4900	20.10	10.03	30.13	46.00	-15.87	AVG	
9		8.2100	18.94	10.28	29.22	60.00	-30.78	QP	
10		8.2100	13.51	10.28	23.79	50.00	-26.21	AVG	
11		14.9580	18.47	10.46	28.93	60.00	-31.07	QP	
12		15.8380	13.17	10.48	23.65	50.00	-26.35	AVG	

102, Building H1, & 1/F., Building H, Hongfa Science & Technology Park, Tangtou Connunity, Shiyan Subdistrict, Bao'an District, Shenzhen, Guangdong, China

Web: http://www.dace-lab.com Tel: +86-755-23010613 E-mail: service@dace-lab.com Page 12 of 32



4.2 20dB Occupied Bandwidth

4.2 200B Occupied	Bandwidth
Test Requirement:	47 CFR Part 15.215(c)
Test Limit:	Refer to 47 CFR 15.215(c), intentional radiators operating under the alternative provisions to the general emission limits, as contained in §§ 15.217 through 15.257 and in subpart E of this part, must be designed to ensure that the 20 dB bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equipment operates, is contained within the frequency band designated in the rule section under which the equipment is operated.
Test Method:	ANSI C63.10-2013, section 6.9.2
Procedure:	a) The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The span range for the EMI receiver or spectrum analyzer shall be between two times and five times the OBW. b) The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1% to 5% of the OBW and video bandwidth (VBW) shall be approximately three times RBW, unless otherwise specified by the applicable requirement. c) Set the reference level of the instrument as required, keeping the signal from exceeding the maximum input mixer level for linear operation. In general, the peak
VE.	of the spectral envelope shall be more than [10 log (OBW/RBW)] below the reference level. Specific guidance is given in 4.1.5.2. d) Steps a) through c) might require iteration to adjust within the specified tolerances. e) The dynamic range of the instrument at the selected RBW shall be more than 10 dB below the target "-xx dB down" requirement; that is, if the requirement calls for measuring the -20 dB OBW, the instrument noise floor at the selected RBW shall be at least 30 dB below the reference value.
DAG	f) Set detection mode to peak and trace mode to max hold. g) Determine the reference value: Set the EUT to transmit an unmodulated carrier or modulated signal, as applicable. Allow the trace to stabilize. Set the spectrum analyzer marker to the highest level of the displayed trace (this is the reference value). h) Determine the "-xx dB down amplitude" using [(reference value) - xx]. Alternatively, this calculation may be made by using the marker-delta function of the instrument. i) If the reference value is determined by an unmodulated carrier, then turn the EUT modulation ON, and either clear the existing trace or staff a new trace on the
DI)	spectrum analyzer and allow the new trace to stabilize. Otherwise, the trace from step g) shall be used for step j). j) Place two markers, one at the lowest frequency and the other at the highest frequency of the envelope of the spectral display, such that each marker is at or slightly below the "-xx dB down amplitude" determined in step h). If a marker is below this "-xx dB down amplitude" value, then it shall be as close as possible to this value. The occupied bandwidth is the frequency difference between the two markers. Alternatively, set a marker at the lowest frequency of the envelope of the spectral display, such that the marker is at or slightly below the "-xx dB down amplitude" determined in step h). Reset the marker-delta function and move the marker to the other side of the emission until the delta marker amplitude is at the same level as the reference marker amplitude. The marker-delta frequency reading at this point is the specified emission bandwidth. k) The occupied bandwidth shall be reported by providing plot(s) of the measuring instrument display; the plot axes and the scale units per division shall be clearly labeled. Tabular data may be reported in addition to the plot(s).
4.0.4. E.U.T. O	

Report No.: DACE240730007RL001

4.2.1 E.U.T. Operation:

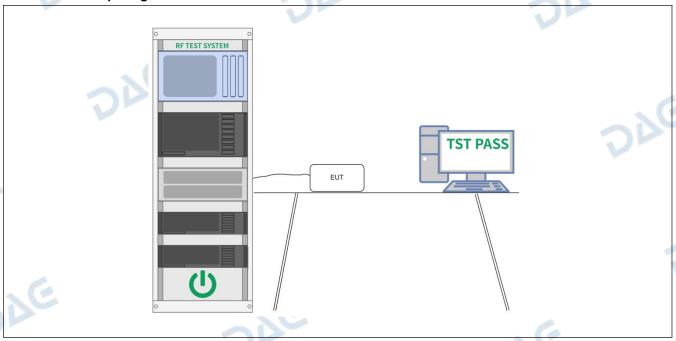
Operating Environment:								
Temperature:	24 °C		Humidity:	49 %	Atmospheric Pressure:	101 kPa		
Pretest mode:		TM1						

102, Building H1, & 1/F., Building H, Hongfa Science & Technology Park, Tangtou Connunity, Shiyan Subdistrict, Bao'an District, Shenzhen, Guangdong, China

Web: http://www.dace-lab.com Tel: +86-755-23010613 E-mail: service@dace-lab.com Page 13 of 32

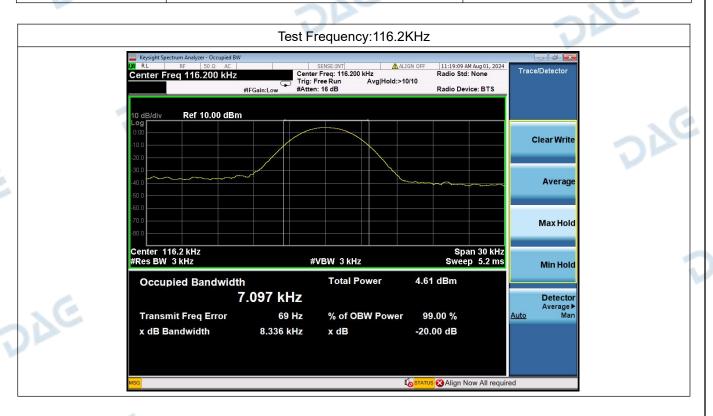
Final test mode: TM1

4.2.2 Test Setup Diagram:



4.2.3 Test Data:

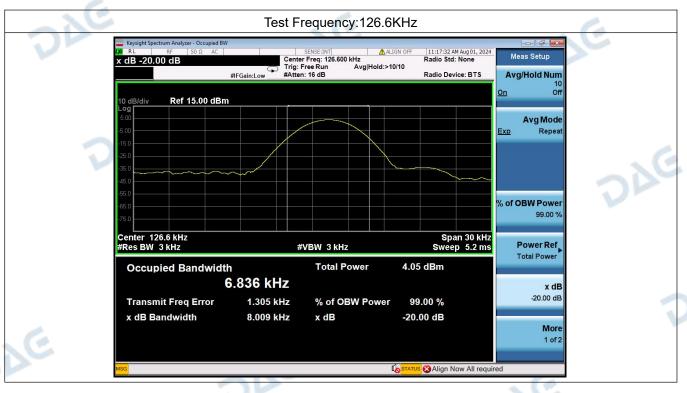
Frequency(KHz)	-20dB_Emission_Bandwidth(KHz)	Occupied Bandwidth(KHz)
116.2	8.336	7.097
126.6	8.009	6.836
142.9	8.536	7.485

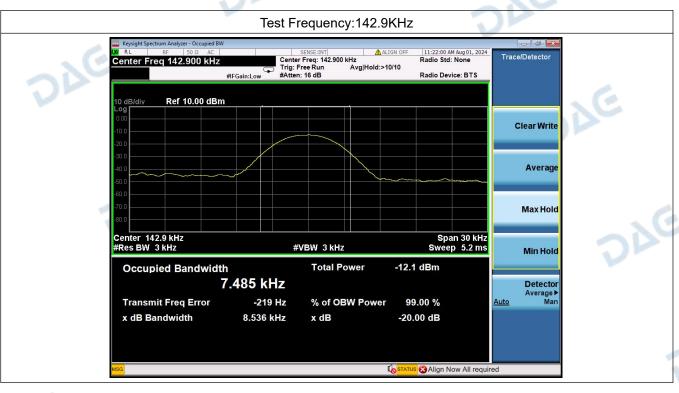


Web: http://www.dace-lab.com Tel: +86-755-23010613 E-mail: service@dace-lab.com Page 14 of 32



V1.0





4.3 Emissions in frequency bands (below 30MHz)

Test Requirement:	47 CFR Part 15.209		2/6			
Test Limit:	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)			
	0.009-0.490	2400/F(kHz)	300			
	0.490-1.705	24000/F(kHz)	30			
	1.705-30.0	30	30			
	30-88	100 **	3			
	88-216	150 **	3			
	216-960	200 **	3			
	Above 960	500	3			
** Except as provided in paragraph (g), fundamental emissions from intention radiators operating under this section shall not be located in the frequency b 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation these frequency bands is permitted under other sections of this part, e.g., §§ and 15.241. In the emission table above, the tighter limit applies at the band edges. The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9–9 110–490 kHz and above 1000 MHz. Radiated emission limits in these three are based on measurements employing an average detector. As shown in § 15.35(b), for frequencies above 1000 MHz, the field strength paragraphs (a)and (b)of this section are based on average limits. However, to peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For point-to-point operation under paragraph (b)of this section, to peak field strength shall not exceed 2500 millivolts/meter at 3 meters along the section are as a section and the section are paragraph (b) of this section, to peak field strength shall not exceed 2500 millivolts/meter at 3 meters along the section are as a section and the section are paragraph (b) of this section, to peak field strength shall not exceed 2500 millivolts/meter at 3 meters along the section are paragraph (b) of this section, to peak field strength shall not exceed 2500 millivolts/meter at 3 meters along the section are paragraph (c) of this section, to peak field strength shall not exceed 2500 millivolts/meter at 3 meters along the section are paragraph (c) of this section are paragraph (d) of this section are paragraph (e) of this section are paragraph (d) of this section are paragraph (e) of this sectio						
Test Method:	ANSI C63.10-2013 sectio	n 6.4	V			
Procedure:	ANSI C63.10-2013 sectio	n 6.4				

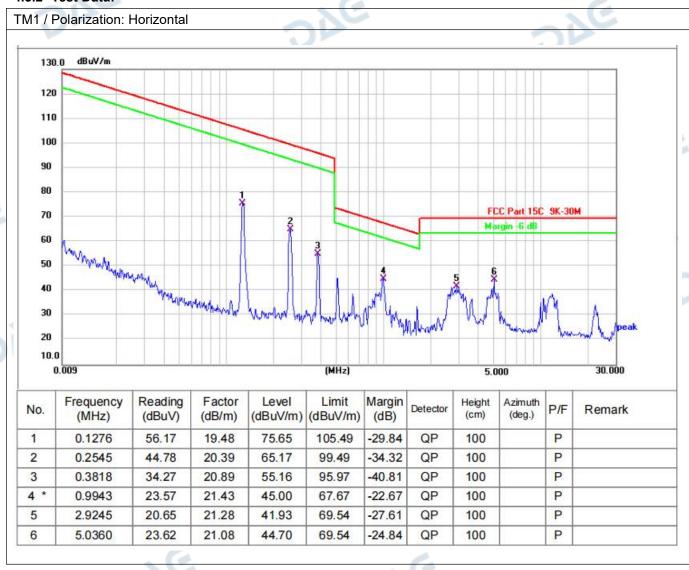
4.3.1 E.U.T. Operation:

Operating Environment:								
Temperature:	24 °C		Humidity:	49 %	1	Atmospheric Pressure:	101 kPa	- 3/
Pretest mode:		TM1						OF
Final test mode:		TM1						

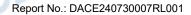
102, Building H1, & 1/F., Building H, Hongfa Science & Technology Park, Tangtou Connunity, Shiyan Subdistrict, Bao'an District, Shenzhen, Guangdong, China

Web: http://www.dace-lab.com Tel: +86-755-23010613 E-mail: service@dace-lab.com Page 16 of 32

4.3.2 Test Data:



Web: http://www.dace-lab.com Tel: +86-755-23010613 E-mail: service@dace-lab.com Page 17 of 32





DAG

TM1 / Polarization: Vertical dBuV/m 130.0 120 110 100 90 80 70 Margin 6 dB 60 May have the world the same of 50 40 30 20 10.0 0.009 (MHz) 30.000 5.000 Frequency Reading Factor Level Limit Margin Height Azimuth Detector P/F No. Remark (cm) (deg.) (MHz) (dBuV) (dB/m) (dBuV/m) (dBuV/m) (dB) 0.1276 19.48 P 51.62 71.10 105.49 -34.39 QP 100 1 2 0.2545 42.41 20.39 62.80 99.49 -36.69 QP 100 P 3 0.3849 31.71 20.90 52.61 95.90 -43.29 QP 100 P 4 1.0354 25.66 21.46 47.12 67.32 -20.20 QP 100 P 5 3.0703 24.73 21.26 45.99 69.54 -23.55 QP 100 P 16.73 P 6 11.8991 21.04 37.77 69.54 -31.77 QP 100

Web: http://www.dace-lab.com Tel: +86-755-23010613 E-mail: service@dace-lab.com Page 18 of 32

DAG





4.4 Emissions in frequency bands (30MHz - 1GHz)

T (D)	47.05D.D. 1.45.000		\ (E				
Test Requirement:	47 CFR Part 15.209						
Test Limit:	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)				
. 6	0.009-0.490	2400/F(kHz)	300				
	0.490-1.705	24000/F(kHz)	30				
O P	1.705-30.0	30	30				
	30-88	100 **	3				
	88-216	150 **	3				
	216-960	200 **	3				
	Above 960	500	3				
radiators operating under this section shall not be located in the frequency band 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation wit these frequency bands is permitted under other sections of this part, e.g., §§ 15 and 15.241. In the emission table above, the tighter limit applies at the band edges. The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9–90 k 110–490 kHz and above 1000 MHz. Radiated emission limits in these three bar are based on measurements employing an average detector. As shown in § 15.35(b), for frequencies above 1000 MHz, the field strength limit paragraphs (a) and (b) of this section are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For point-to-point operation under paragraph (b) of this section, the peak field strength shall not exceed 2500 millivolts/meter at 3 meters along the							
Test Method:	antenna azimuth. ANSI C63.10-2013 section	n 6.5	V				
Procedure:	ANSI C63.10-2013 section	1 6.5					

Report No.: DACE240730007RL001

4.4.1 E.U.T. Operation:

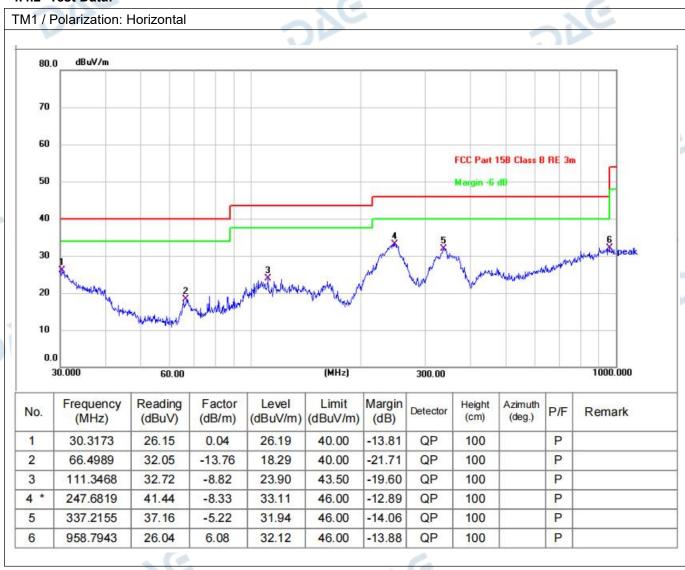
Operating Environment:								
Temperature:	24 °C		Humidity:	49 %	1	Atmospheric Pressure:	101 kPa	- 7/
Pretest mode:		TM1						C
Final test mode:		TM1						

102, Building H1, & 1/F., Building H, Hongfa Science & Technology Park, Tangtou Connunity, Shiyan Subdistrict, Bao'an District, Shenzhen, Guangdong, China

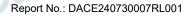
Web: http://www.dace-lab.com Tel: +86-755-23010613 E-mail: service@dace-lab.com Page 19 of 32



4.4.2 Test Data:



Web: http://www.dace-lab.com Tel: +86-755-23010613 E-mail: service@dace-lab.com Page 20 of 32





TM1 / Polarization: Vertical 80.0 dBuV/m 70 60 FCC Part 15B Class B RE 3m 50 40 30 20 10 0.0 (MHz) 1000.000 30.000 60.00 300.00 Frequency Reading Factor Level Limit Margin Height Azimuth Detector No. P/F Remark (MHz) (dBuV) (dB/m) (dBuV/m) (dBuV/m) (dB) (cm) (deg.) 1 * QP 38.4809 44.17 -5.8638.31 40.00 -1.69100 P 67.2022 45.90 40.00 -7.64 QP P 2 -13.5432.36 100 3 105.6415 40.20 -9.84 30.36 43.50 -13.14QP 100 P 4 251.1804 37.51 -8.13 29.38 46.00 -16.62 QP 100 P 5 438.6554 31.59 -2.62 28.97 46.00 -17.03 QP 100 P P 6 906.4824 5.71 32.28 46.00 -13.72QP 100 26.57

Web: http://www.dace-lab.com Tel: +86-755-23010613 E-mail: service@dace-lab.com Page 21 of 32

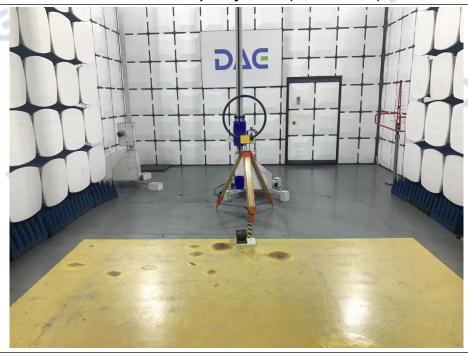


5 TEST SETUP PHOTOS

Conducted Emission at AC power line



Emissions in frequency bands (below 30MHz)

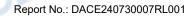


Web: http://www.dace-lab.com

Tel: +86-755-23010613

E-mail: service@dace-lab.com

Page 22 of 32

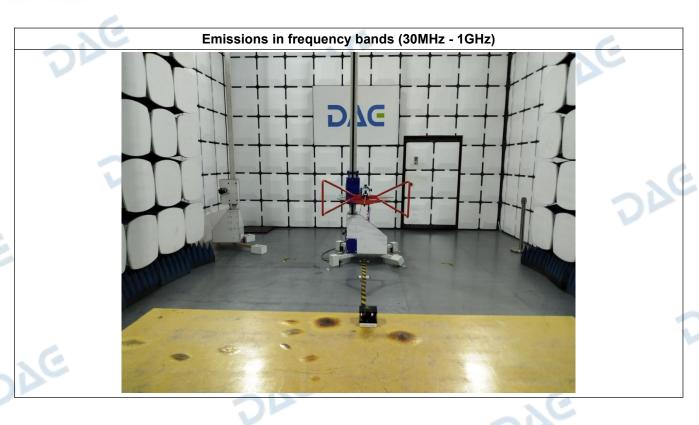




DAG

DAG

DAG



DAG

Web: http://www.dace-lab.com Tel: +86-755-23010613 E-mail: service@dace-lab.com Page 23 of 32

DAG

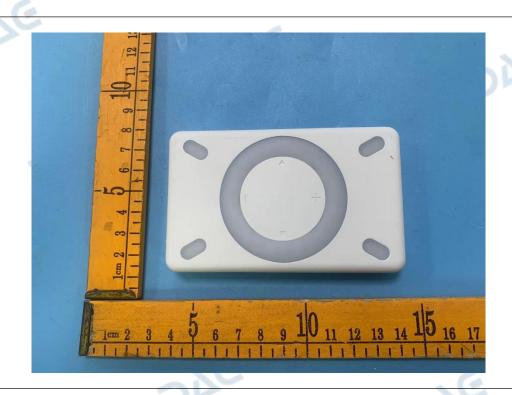


6 PHOTOS OF THE EUT

V1.0

External





Web: http://www.dace-lab.com Tel: +86-755-23010613 E-mail: service@dace-lab.com Page 24 of 32



V1.0

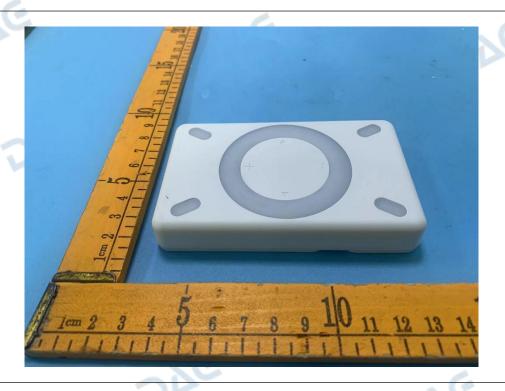




Web: http://www.dace-lab.com Tel: +86-755-23010613 E-mail: service@dace-lab.com Page 25 of 32



V1.0





102, Building H1, & 1/F., Building H, Hongfa Science & Technology Park, Tangtou Connunity, Shiyan Subdistrict, Bao'an District, Shenzhen, Guangdong, China

Web: http://www.dace-lab.com

Tel: +86-755-23010613

E-mail: service@dace-lab.com

Page 26 of 32



Internal

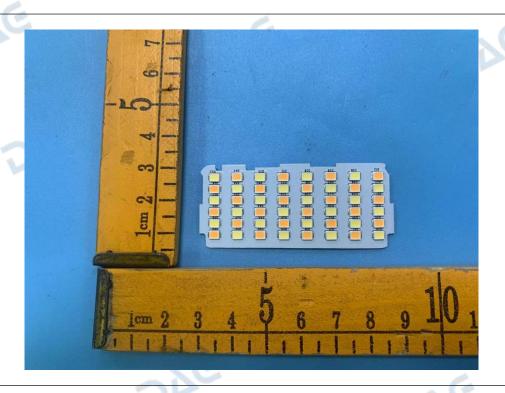


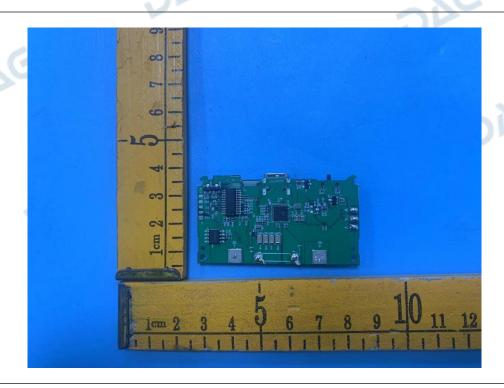


Web: http://www.dace-lab.com Tel: +86-755-23010613 E-mail: service@dace-lab.com Page 27 of 32



V1.0

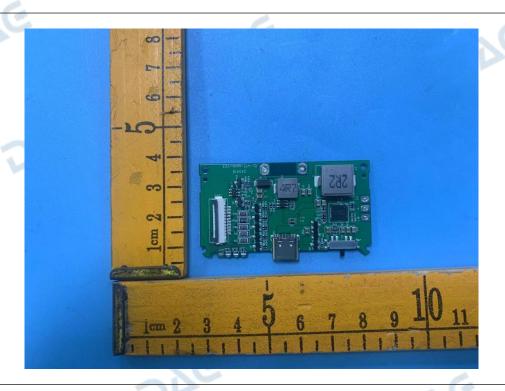


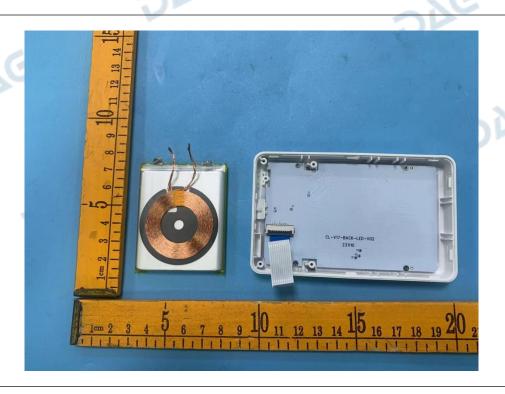


102, Building H1, & 1/F., Building H, Hongfa Science & Technology Park, Tangtou Connunity, Shiyan Subdistrict, Bao'an District, Shenzhen, Guangdong, China

Web: http://www.dace-lab.com Tel: +86-755-23010613 E-mail: service@dace-lab.com Page 28 of 32





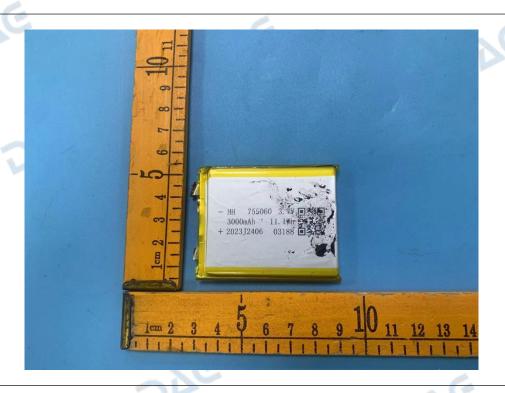


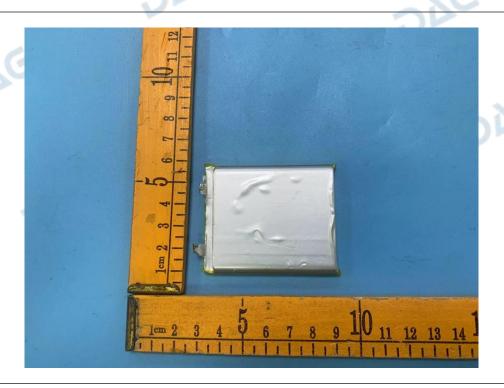
102, Building H1, & 1/F., Building H, Hongfa Science & Technology Park, Tangtou Connunity, Shiyan Subdistrict, Bao'an District, Shenzhen, Guangdong, China

Web: http://www.dace-lab.com Tel: +86-755-23010613 E-mail: service@dace-lab.com Page 29 of 32



V1.0





102, Building H1, & 1/F., Building H, Hongfa Science & Technology Park, Tangtou Connunity, Shiyan Subdistrict, Bao'an District, Shenzhen, Guangdong, China

Web: http://www.dace-lab.com Tel: +86-755-23010613 E-mail: service@dace-lab.com Page 30 of 32



V1.0

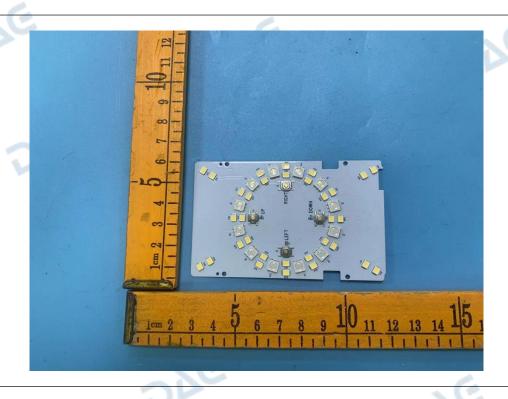




102, Building H1, & 1/F., Building H, Hongfa Science & Technology Park, Tangtou Connunity, Shiyan Subdistrict, Bao'an District, Shenzhen, Guangdong, China

Web: http://www.dace-lab.com Tel: +86-755-23010613 E-mail: service@dace-lab.com Page 31 of 32







********************* End of Report ***************

Web: http://www.dace-lab.com

Tel: +86-755-23010613

E-mail: service@dace-lab.com

Page 32 of 32