

Report No.: DACE250605019RL001

RF TEST REPORT

For

LEADWISE LIMITED LIABILITY COMPANY

Product Name: remote control Test Model(s): LWAPL

Report Reference No. : DACE250605019RL001

FCC ID : 2BP64-LWAPL

Applicant's Name : LEADWISE LIMITED LIABILITY COMPANY

Address : 615 Ferry St, Lafayette, IN 47901

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

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

Address : Tangtou Community, Shiyan Subdistrict, Bao'an District, Shenzhen,

Guangdong, China

Test Specification Standard : 47 CFR Part 15.231

Date of Receipt : June 5, 2025

Date of Test : June 5, 2025 to June 11, 2025

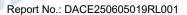
Data of Issue : June 11, 2025

Result : Pass

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Apply for company information

Applicant's Name	:	LEADWISE LIMITED LIABILITY COMPANY
Address	:	615 Ferry St, Lafayette, IN 47901
Product Name	:	remote control
Test Model(s)	:	LWAPL
Series Model(s)		LWAPL25A, LWAPL25B, LWAPL25C, LWAPL25D, LWAPL25E, LWAPL25F, LWAPL25G, LWAPL25H, LWAPL25I, LWAPL25J, LWAPL25K, LWAPL25L, LWAPL25M, LWAPL25N, LWAPL25O, LWAPL25P, LWAPL25Q, LWAPL25R, LWAPL25S, LWAPL25T, LWAPL25U, LWAPL25V, LWAPL25W, LWAPL25X, LWAPL25Y, LWAPL25Z
Test Specification Standard(s)	:	47 CFR Part 15.231

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.

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June 11, 2025

Supervised by:

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June 11, 2025

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Revision History Of Report

Version	Description	REPORT No.	Issue Date
V1.0	Original	DACE250605019RL001	June 11, 2025
	1		

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1 TEST SUMMARY

1.1 Test Standards

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The tests were performed according to following standards:

47 CFR Part 15.231: Periodic operation in the band 40.66-40.70 MHz and above 70 MHz

1.2 Summary of Test Result

Item	Standard	Method	Requirement	Result
Antenna requirement	47 CFR Part 15.231		47 CFR 15.203	Pass
20dB Bandwidth	47 CFR Part 15.231	ANSI C63.10-2013, section 6.9.2	47 CFR 15.231(c)	Pass
Dwell Time	47 CFR Part 15.231	ANSI C63.10-2013, Section 7.4	47 CFR 15.231(a)(1) & (a)(2)	Pass
Duty Cycle	47 CFR Part 15.231	ANSI C63.10-2013, Section 7.5	47 CFR 15.231(b) & (e)	Pass
Radiated Emission (below 1GHz)	47 CFR Part 15.231	ANSI C63.10-2013, Section 6.5	47 CFR 15.231	Pass
Radiated Emission (above 1GHz)	47 CFR Part 15.231	ANSI C63.10-2013, Section 6.6	47 CFR 15.231	Pass

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GENERAL INFORMATION

2.1 Client Information

Applicant's Name LEADWISE LIMITED LIABILITY COMPANY

Address 615 Ferry St, Lafayette, IN 47901

Manufacturer : Zhuhai Leading Electric Co., Ltd

Address Room 1102, Building 2, No. 300, Xinshasan Road, High-tech Zone, Zhuhai

2.2 Description of Device (EUT)

Product Name:	remote control
Model/Type reference:	LWAPL
Series Model:	LWAPL25A, LWAPL25B, LWAPL25C, LWAPL25D, LWAPL25E, LWAPL25F, LWAPL25G, LWAPL25H, LWAPL25I, LWAPL25J, LWAPL25K, LWAPL25L, LWAPL25M, LWAPL25N, LWAPL25O, LWAPL25P, LWAPL25Q, LWAPL25R, LWAPL25S, LWAPL25T, LWAPL25U, LWAPL25V, LWAPL25W, LWAPL25X, LWAPL25Y, LWAPL25Z
Model Difference:	The product has many models, only the model name and color is different, and the other parts such as the circuit principle, pcb and electrical structure are the same.
Trade Mark:	LEADWISE
Power Supply:	DC3.0
Operation Frequency:	433.92MHz
Number of Channels:	1
Modulation Type:	ASK
Antenna Type:	PCB Antenna
Antenna Gain:	0dBi
Hardware Version:	V1.0
Software Version:	V1.0

2.3 Description of Test Modes

No	Title	Description
TM1	Transmitting	433.92MHz

2.4 Description of Support Units

The EUT was tested as an independent device.

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2.5 Equipments Used During The Test

Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
Equipment	wanuacturer	WIOGEI NO	inventory NO	Cai Date	Cai Due Date
RF Test Software	Tachoy Information Technology(she nzhen) Co.,Ltd.	RTS-01	V1.0.0	1	1
Power divider	MIDEWEST	PWD-2533	SMA-79	2025-04-18	2026-05-10
RF Sensor Unit	Tachoy Information Technology(she nzhen) Co.,Ltd.	TR1029-2	000001	1	DIE
Wideband radio communication tester	R&S	CMW500	113410	2025-04-25	2026-04-24
Vector Signal Generator	Keysight	N5181A	MY50143455	2024-12-06	2025-12-05
Signal Generator	Keysight	N5182A	MY48180415	2024-12-06	2025-12-05
Spectrum Analyzer	Keysight	N9020A	MY53420323	2024-12-06	2025-12-05

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Field Strength of The Fundamental Signal Radiated Emission (below 1GHz) Radiated Emission (above 1GHz)

Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
EMI Test software	Farad	EZ -EMC	V1.1.42	1	1
Positioning Controller	MF	MF-7802	1	5	,
Amplifier(18-40G)	COM-POWER	AH-1840	10100008-1	2024-04-26	2027-04-25
Horn antenna	COM-POWER	AH-1840 (18-40G)	10100008	2024-04-26	2027-04-25
Loop antenna	ZHINAN	ZN30900C	ZN30900C	2025-04-28	2026-04-27
Cable(LF)#2	Schwarzbeck	1	1	2024-12-19	2025-12-18
Cable(LF)#1	Schwarzbeck	1	/	2024-12-19	2025-12-18
Cable(HF)#2	Schwarzbeck	AK9515E	96250	2025-04-25	2026-04-24
Cable(HF)#1	Schwarzbeck	SYV-50-3-1	/	2025-04-25	2026-04-24
Power amplifier(LF)	Schwarzbeck	BBV9743	9743-151	2025-04-29	2026-04-28
Power amplifier(HF)	Schwarzbeck	BBV9718	9718-282	2025-04-29	2026-04-28
Wideband radio communication tester	R&S	CMW500	113410	2025-04-25	2026-04-24
Spectrum Analyzer	R&S	FSP30	1321.3008K40 -101729-jR	2025-04-18	2026-04-17
Test Receiver	R&S	ESCI 3	1166.5950K03 -101431-Jq	2025-04-18	2026-04-17
Horn Antenna	Sunol Sciences	DRH-118	A091114	2025-04-21	2026-04-20
Broadband Antenna	Sunol Sciences	JB6 Antenna	A090414	2024-09-28	2026-09-27

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Statement Of The Measurement Uncertainty

Test Item	Measurement Uncertainty	
Occupied Bandwidth	±3.63%	
Duty cycle	±3.1%	
Radiated Emission (Below 1GHz)	±5.79dB	
Radiated Emission (Above 1GHz)	±5.46dB	

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

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 Community, Shiyan Subdistrict, 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 Community, Shiyan Subdistrict, Bao'an District, Shenzhen, Guangdong, China
Phone Number:	+86-13267178997
Fax Number:	86-755-29113252
Designation Number:	CN1342
Test Firm Registration No.:	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 DACE 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) We hereby declare that the laboratory is only responsible for the data released by the laboratory, except for the part provided by the applicant. the laboratory is not responsible for the accuracy of the information provided by the client. When the information provided by the customer may affect the effectiveness of the results, the responsibility lies with the customer, and the laboratory does not assume any responsibility.

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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:



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4 Radio Spectrum Matter Test Results (RF)

4.1 20dB Bandwidth

Test Requirement:	47 CFR 15.231(c)
Test Limit:	The bandwidth of the emission shall be no wider than 0.25% of the center frequency for devices operating above 70 MHz and below 900 MHz. For devices operating above 900 MHz, the emission shall be no wider than 0.5% of the center frequency. Bandwidth is determined at the points 20 dB down from the modulated carrier.
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
VG.	exceeding the maximum input mixer level for linear operation. In general, the peak 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.
DIE	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. 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).
DD	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 start a new trace on the 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 "ixx 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
DIE	spectral display, such that the marker is at or slightly below the "íxx 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).

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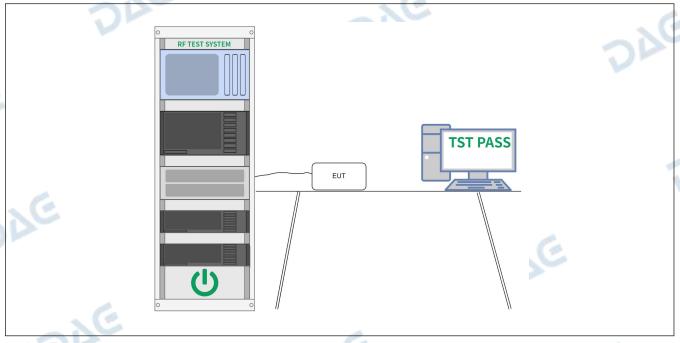


4.1.1 E.U.T. Operation:

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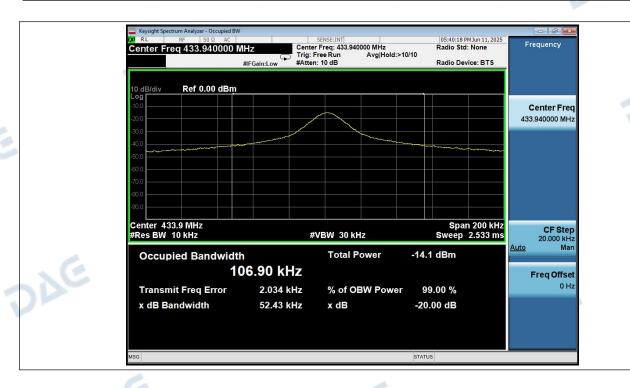
Operating Environment:								
Temperature:	23.3 °C		Humidity:	46 %	Atmospheric P	ressure:	101 kPa	
Pretest mode:		TM1						
Final test mode:		TM1						

4.1.2 Test Setup Diagram:



4.1.3 Test Data:

Condition	Antenna	Frequency (MHz)	20dB BW(kHz)	limit(MHz)	Result
NVNT	ANT1	433.92	53.43	1.0848	Pass



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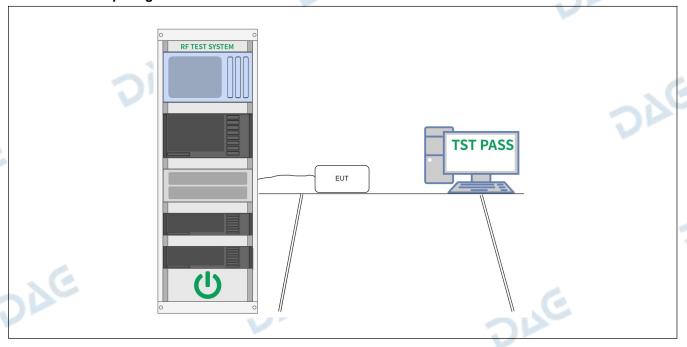
4.2 Dwell Time

Test Requirement:	47 CFR 15.231(a)(1) & (a)(2)
Test Limit:	(1) A manually operated transmitter shall employ a switch that will automatically deactivate the transmitter within not more than 5 seconds of being released.
270	(2) A transmitter activated automatically shall cease transmission within 5 seconds after activation.
Test Method:	ANSI C63.10-2013, Section 7.4
Procedure:	For evaluation of periodic operation characteristics, the following procedure may be used: a) Trigger the spectrum analyzer sweep on the RF waveform of the unlicensed wireless device. b) Set the spectrum analyzer sweep time greater than the specified time for periodic operation. c) Manually activate and deactivate the unlicensed wireless device and confirm that it ceases transmission within the specified time of deactivation. d) Document the test results.
VG.	e) Verify and document that periodic transmissions at regular predetermined intervals do not exist, except where regulatory requirements allow polling or supervision transmissions, including data, to determine system integrity. Compliance is addressed by an attestation supported by the equipment theory of operation.

4.2.1 E.U.T. Operation:

Operating Environment:							
Temperature: 23.3 °C Humidity: 46 % Atmospheric Pressure: 101 kPa					101 kPa		
Pretest mode:	Т	TM1		6		4	
Final test mode:	Т	TM1		100	*	· (e.	

4.2.2 Test Setup Diagram:



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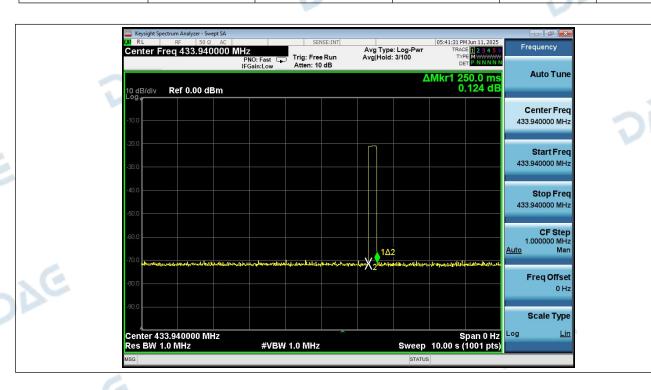
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4.2.3 Test Data:

Condition	Antenna	Frequency (MHz)	Dwell time(s)	limit(s)	Result
NVNT	ANT1	433.92	0.25s	5s	Pass

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4.3 Duty Cycle

4.5 Duty Cycle	. (9
Test Requirement:	47 CFR 15.231(b) & (e)
Test Limit:	No limit, only for Report Use.
Test Method:	ANSI C63.10-2013, Section 7.5
Procedure:	a) Adjust and configure any EUT switches, controls, or input data streams to ensure that the EUT is transmitting or encoded to obtain the "worst-case" pulse ON time. b) Couple the final radio frequency output signal to the input of a spectrum analyzer. This may be performed by a radiated, direct connection (i.e., conducted) or by a "near-field" coupling method. The signal received shall be of sufficient level to trigger adequately the spectrum analyzer sweep display.
	NOTE—If the bandwidth of the pulse is greater than the RBW of the spectrum analyzer, then a similar measurement may be performed using a wideband digital storage oscilloscope (DSO).
	c) Adjust the center frequency of the spectrum analyzer to the center of the RF signal. d) Set the spectrum analyzer for ZERO SPAN.
	e) Adjust the SWEEP TIME to obtain at least a 100 ms period of time on the
	horizontal display axis of the spectrum analyzer.
Ve	f) If the pulse train is periodic (i.e., consists of a series of pulses that repeat in a characteristic pattern over a constant time period), and the period (T) is less than or equal to 100 ms, then: 1) Set the TRIGGER on the spectrum analyzer to capture at least one period of the
	pulse train, including any blanking intervals. 2) Determine the total maximum pulse "ON time" (ton) over one period of the pulse train. An example of a periodic pulse train and the associated period is shown in
DIE	Figure 14. If the pulse train contains pulses of different widths, then t_{ON} is determined by summing the duration of all of the pulses within the pulse train [i.e., $t_{ON} = \Sigma(t1 + t2 +tn)$].
DIA	3) The duty cycle is then determined by dividing the total maximum "ON time" by the period of the pulse train (t_{ON}/T) .
	g) If the pulse train is nonperiodic or is periodic with a period that exceeds 100 ms, or as an alternative to step f), then:
	1) Set the TRIGGER on the spectrum analyzer to capture the greatest amount of pulse "ON time" over 100 ms.
	2) Find the 100 ms period that contains the maximum "on time"; this may require summing the duration of multiple pulses as described in step f2).
QQ.	3) Determine the duty cycle by dividing the total maximum "ON time" by 100 ms (t_{ON} /100 ms).

4.3.1 E.U.T. Operation:

Operating Enviro	Operating Environment:									
Temperature:	23.3 °C		Humidity:	46 %	Atmosph	eric Pressure:	101 kPa			
Pretest mode:		TM1	10			. C				
Final test mode:		TM1				170				

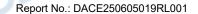
4.3.2 Test Setup Diagram:

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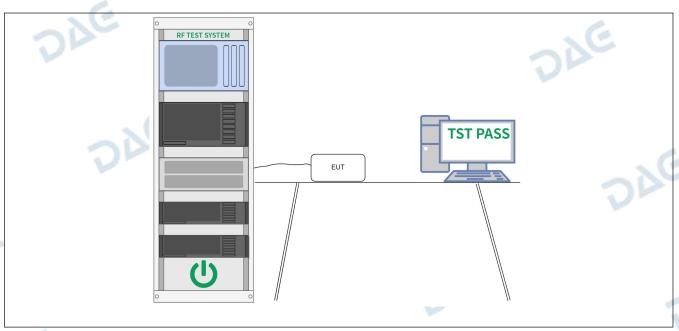
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4.3.3 Test Data:

4.3.4 Test Data:

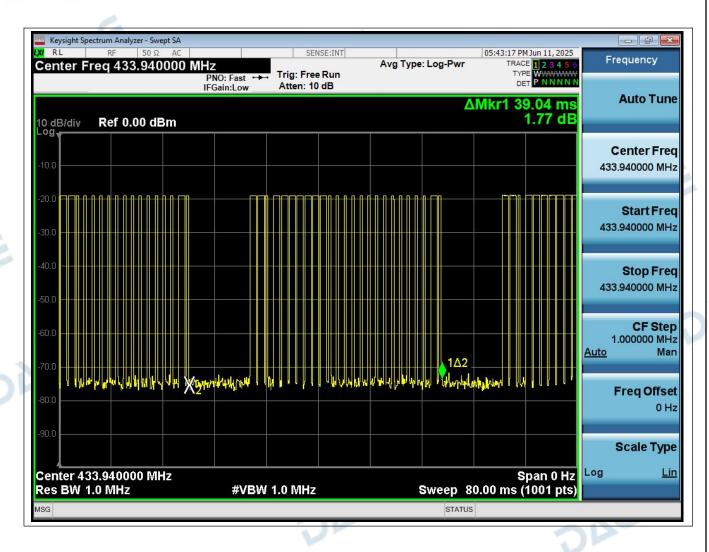
Frequency (MHz)	Frequency (MHz) Type of Pulse		Quantity of Pulse	Transmission Time (ms)	Total Time (Ton) (ms)
433.92	Pulse 1 (widest)	0.93	10	9.3	14.25
433.92	Pulse 2 (Wide)	0.33	15	4.95	14.25

Frequency (MHz)	Test Period (Tp)	Total Time (Ton)	Duty Cycle	Duty Cycle Factor
433.92	ms	ms	%	dB
433.92	39.04	32.12	36.5	-1.06

Remark: Duty Cycle Factor=20*log(Duty Cycle)

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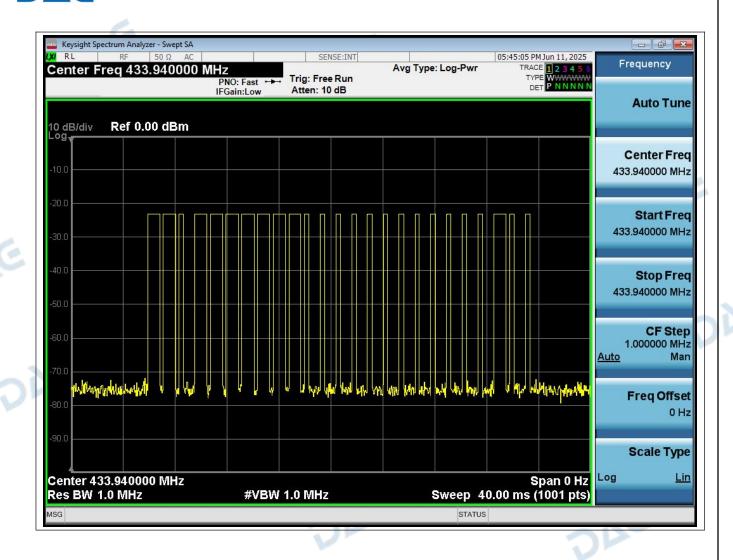




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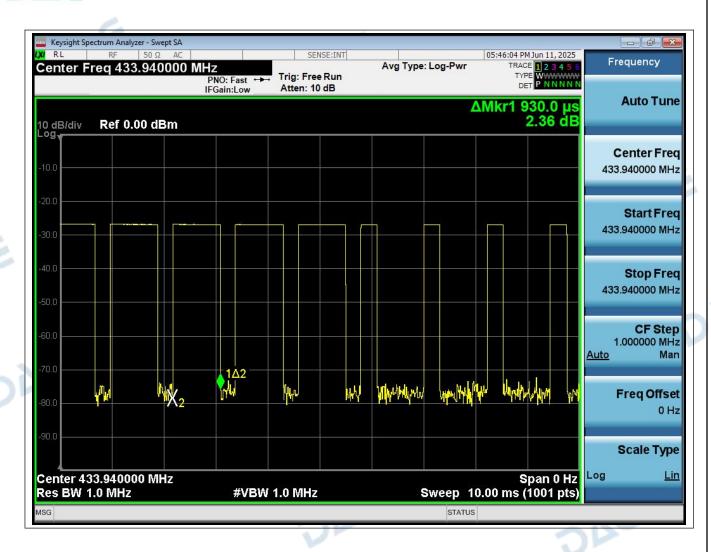
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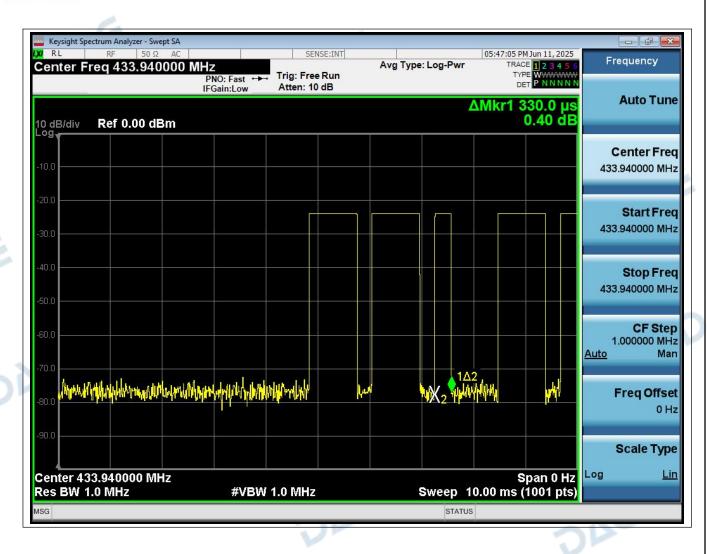
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4.4 Radiated Emission (below 1GHz)

Test Requirement:	47 CFR 15.231		2/6					
Test Limit:	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)					
. 6	0.009-0.490	2400/F(kHz)	300					
270	0.490-1.705	24000/F(kHz)	30					
J.	1.705-30.0	30	30					
	30-88	100 **	3					
	88-216	150 **	3					
	216-960	200 **	3					
	Above 960	500	3					
VE.	54-72 MHz, 76-88 MHz, 174 these frequency bands is per and 15.241. In the emission table above The emission limits shown in employing a CISPR quasi-put 110–490 kHz and above 10	his section shall not be located in to 4-216 MHz or 470-806 MHz. Howe the sections of the tighter limit applies at the base in the above table are based on move and the detector except for the frequence on MHz. Radiated emission limits as employing an average detector.	ever, operation within his part, e.g., §§ 15.231 and edges. heasurements ency bands 9–90 kHz, in these three bands					
Test Method:	ANSI C63.10-2013, Section 6.5							
DAC	above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation. b. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading. e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.							
DIG	specified, then testing could reported. Otherwise the em tested one by one using quadata sheet. g. Test the EUT in the lower h. The radiation measurement Transmitting mode, and fou i. Repeat above procedures Remark: 1. Level= Read Level+ Cab 2. Scan from 9kHz to 30MH points marked on above plottesting, so only above point	e EUT in peak mode was 10dB low is be stopped and the peak values issions that did not have 10dB makesi-peak method as specified and st channel, the middle channel, the ents are performed in X, Y, Z axis not the X axis positioning which it is until all frequencies measured which is until all frequencies measured which are the highest emissions could shad been displayed. The amplity which are attenuated more than 2	of the EUT would be argin would be rethen reported in a e Highest channel. positioning for is the worst case. as complete. Factor was very low. The d be found when ude of spurious					
	need not be reported.	GHz was very low and the harmor						

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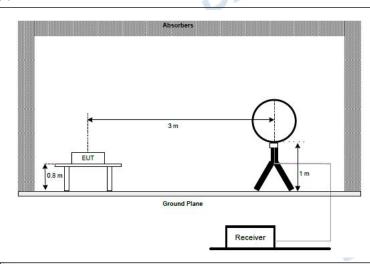
Report No.: DACE250605019RL001

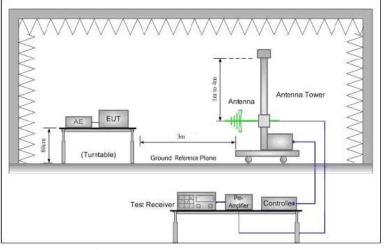
point could be found when testing, so only the above harmonics had been displayed.

4.4.1 E.U.T. Operation:

Operating Environment	onment:					
Temperature:	23.3 °C		Humidity:	50.9 %	Atmospheric Pressure:	102 kPa
Pretest mode:	. (TM1				
Final test mode:		TM1			XC.	

4.4.2 Test Setup Diagram:

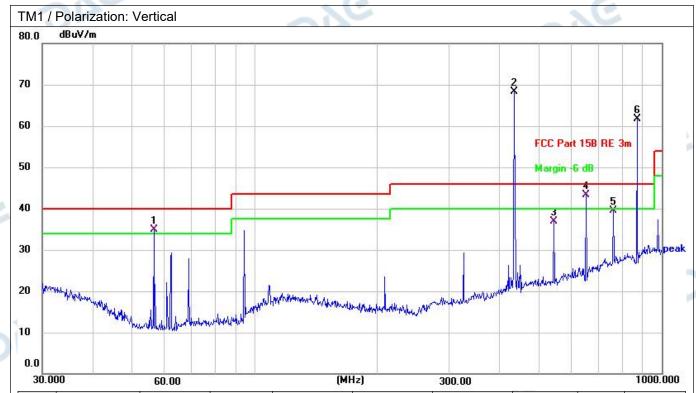






4.4.3 Test Data:

V1.0



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Dutycycle Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)
1	434.0650	72.97	-4.58	N/A	68.39	100.8	-32.41	Peak	100
2	434.0650	N/A	N/A	-1.06	67.33	80.8	-13.47	AV	100
3	869.1301	58.80	2.89	N/A	61.69	80.8	-19.11	Peak	100
4	869.1301	N/A	N/A	-1.06	60.63	60.8	-0.17	AV	100

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869.1301

N/A

N/A

-1.06

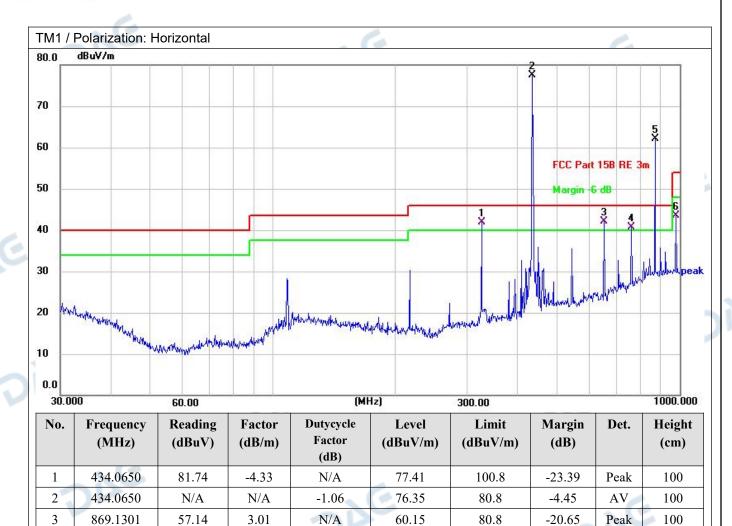
59.09

60.8

-1.71

AV

100





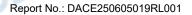
4.5 Radiated Emission (above 1GHz)

4.5 Radiated Em	ission (above 1GHz)	6	- 6					
Test Requirement:	47 CFR 15.231		216					
Test Limit:	Frequency (MHz)	Frequency (MHz) Field strength (microvolts/meter)						
	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					
Ve	and 15.241. In the emission table above the emission limits shown employing a CISPR quasi 110–490 kHz and above are based on measurements.	permitted under other sections ve, the tighter limit applies at the intermediate in the above table are based in the formula in the formula in the formula in the formula in the intermediate in the formula in the intermediate in the formula in the intermediate in the	ne band edges. on measurements frequency bands 9–90 kHz, limits in these three bands					
Test Method:	ANSI C63.10-2013, Section	on 6.6						
Procedure:	above the ground at a 3 n degrees to determine the b. The EUT was set 3 me was mounted on the top of c. The antenna height is videtermine the maximum vipolarizations of the antenna d. For each suspected enthe antenna was tuned to below 30MHz, the antennion was turned from 0 degree e. The test-receiver system Bandwidth with Maximum f. If the emission level of the specified, then testing coureported. Otherwise the elected one by one using part a data sheet. g. Test the EUT in the low h. The radiation measurer transmitting mode, and for	aneter fully-anechoic chamber. position of the highest radiation ters away from the interference of a variable-height antenna towaried from one meter to four nature of the field strength. Both an are set to make the measuraission, the EUT was arranged heights from 1 meter to 4 meters to 360 degrees to find the man was set to Peak Detect Fundal Hold Mode. The EUT in peak mode was 100 and be stopped and the peak variations that did not have 100 peak or average method as species to channel, the middle channature are performed in X, Y, Z bound the X axis positioning whites until all frequencies measures.	The table was rotated 360 on. e-receiving antenna, which wer. neters above the ground to a horizontal and vertical rement. I to its worst case and then ers (for the test frequency of er) and the rotatable table eaximum reading. I to its worst case and then ers (for the test frequency of er) and the rotatable table eaximum reading. I always than the limit alues of the EUT would be dB margin would be receified and then reported in el, the Highest channel. I axis positioning for ich it is the worst case.					
DIC	1. Level= Read Level+ Ca 2. Scan from 18GHz to 40 points marked on above points testing, so only above pointemissions from the radiation need not be reported.	1. Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor 2. Scan from 18GHz to 40GHz, the disturbance above 18GHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit						
. 6	0.7 to 0.10 wit in this 300tion	, .5	., a.o nota onotigui illinto are					

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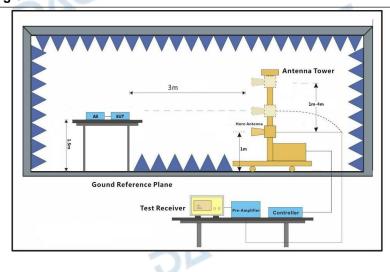
based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.

4. The disturbance above 18GHz were very low and the harmonics were the highest point could be found when testing, so only the above harmonics had been displayed.

4.5.1 E.U.T. Operation:

Operating Environment:								
Temperature:	23.3 °C		Humidity:	50.9 %	V	Atmospheric Pressure:	102 kPa	00
Pretest mode:		TM1		•				V
Final test mode	:	TM1						

4.5.2 Test Setup Diagram:

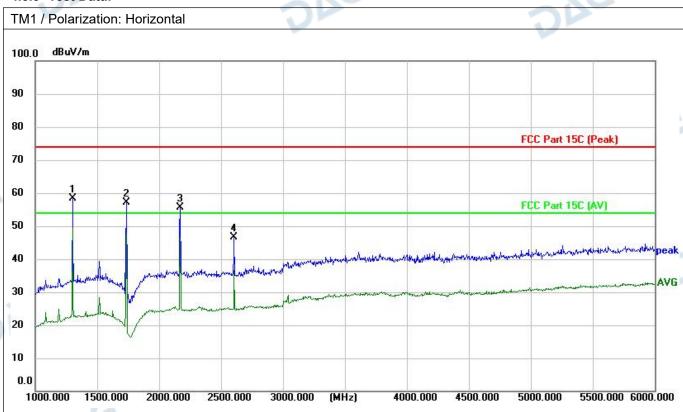


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4.5.3 Test Data:

V1.0



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Dutycycle Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.
1	1300	66.39	-8.04	N/A	58.35	80.8	-22.45	peak
2	1300	N/A	N/A	-1.06	57.29	60.8	-3.51	AVG
3	1735	62.54	-5.52	N/A	57.02	80.8	-23.78	peak
4	1735	N/A	N/A	-1.06	55.96	60.8	-4.84	AVG
5	2170	59.75	-4.00	N/A	55.75	80.8	-25.05	peak
6	2170	N/A	N/A	-1.06	54.69	60.8	-6.11	AVG
7	2605	49.67	-2.96	N/A	46.71	80.8	-34.09	peak
8	2605	N/A	N/A	-1.06	45.65	60.8	-15.15	AVG

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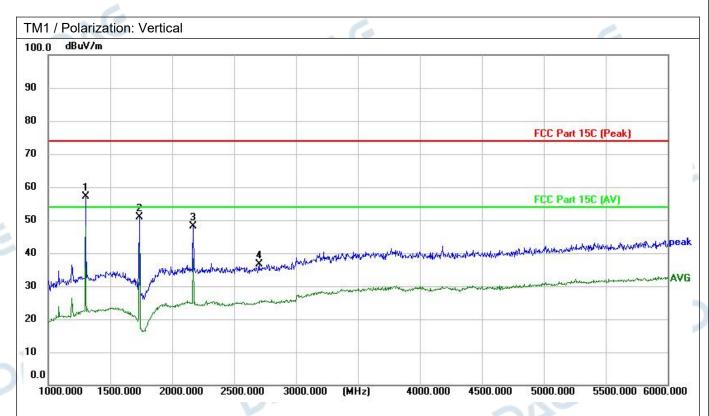
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V1.0



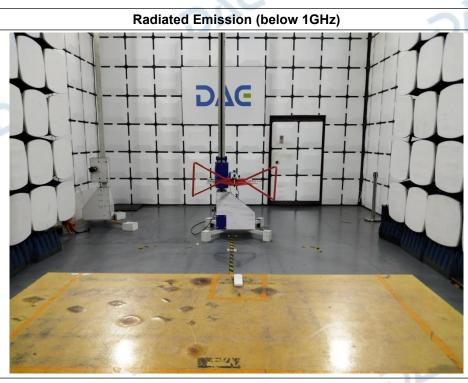
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Dutycycle Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.
1	1300.000	65.24	-8.04	N/A	57.2	80.8	-23.6	peak
2	1300.000	N/A	N/A	-1.06	56.14	60.8	-4.66	AVG
3	1735.000	56.52	-5.52	N/A	51	80.8	-29.8	peak
4	1735.000	N/A	N/A	-1.06	49.94	60.8	-10.86	AVG
5	2170.000	52.09	-4.00	N/A	48.09	80.8	-32.71	peak
6	2170.000	N/A	N/A	-1.06	47.03	60.8	-13.77	AVG
7	2700.000	39.48	-2.80	N/A	36.68	80.8	-44.12	peak
8	2700.000	N/A	N/A	-1.06	35.62	60.8	-25.18	AVG

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TEST SETUP PHOTOS

V1.0



Radiated Emission (above 1GHz)



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6 PHOTOS OF THE EUT











V1.0









Internal



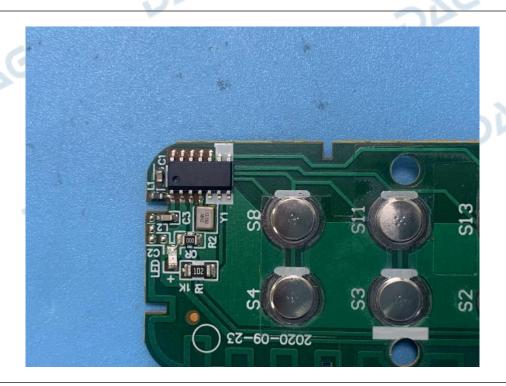


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V1.0





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

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