TEST REPORT

Product	:	LED Floodlight
Trade mark	:	N/A
Model/Type reference	:	LAW25E,LAW10E
Test Model No.	:	LAW25E
Serial Number	:	N/A
Report Number	:	EED32N81243701
FCC ID	:	2AT7E-LAW25E
Date of Issue	:	Apr. 07, 2022
Test Standards	:	47 CFR Part 15 Subpart C
Test result	:	PASS

Prepared for:

Shen Zhen Shi Zhi Hui Duo Ke Ji You Xian Gong Si
Qian Wan yi lu 1 hao A dong 201 shi, qian hai shen gang he zuo qu, shen zhen,guang dong, China 518000

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3 Version

Version No.	Date	Description
00	Apr. 07, 2022	Original

4 Test Summary

Test Item	Test Requirement	Result
Antenna Requirement	47 CFR Part 15 Subpart C Section 15.203/15.247 (c)	PASS
AC Power Line Conducted Emission	47 CFR Part 15 Subpart C Section 15.207	PASS
DTS Bandwidth	47 CFR Part 15 Subpart C Section 15.247 (a)(2)	Note
Maximum Conducted Output Power	47 CFR Part 15 Subpart C Section 15.247 (b)(3)	Note
Maximum Power Spectral Density	47 CFR Part 15 Subpart C Section 15.247 (e)	Note
Band Edge Measurements	47 CFR Part 15 Subpart C Section 15.247(d)	Note
Conducted Spurious Emissions	47 CFR Part 15 Subpart C Section 15.247(d)	Note
Radiated Spurious Emission & Restricted bands	47 CFR Part 15 Subpart C Section 15.205/15.209	PASS

Remark:

1.Note:Refer to the report of 709502102919-00,
This test report (Ref. No.:EED32N81243701) is only valid with the original test report (Ref. No.: 709502102919-00).
Review this report and original report,the module without changes in circuit and product function, therefore in this report the Radiated Spurious Emission were retested and shown the data in this report, other tests data please refer to original report No.709502102919-00.

2.Company Name and Address shown on Report, the sample(s) and sample Information were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified.

3.Model No.:LAW25E,LAW10E
Only the model LAW25EI was tested.Their electrical circuit design, layout, components used and internal wiring are identical,all use the same linear constant current IC, the same auxiliary power supply, the same WiFi module and the same antenna. The only difference is the difference in the number of linear ICs and LED chips. The greater the power, the more ICs and LED chips used, and the larger the size of the aluminum subst rate is different.

5 General Information

5.1 Client Information

Applicant:	Shen Zhen Shi Zhi Hui Duo Ke Ji You Xian Gong Si
Address of Applicant:	Qian Wan yi lu 1 hao A dong 201 shi, qian hai shen gang he zuo qu, shen zhen,guang dong, China 518000
Manufacturer:	Shen Zhen Shi Zhi Hui Duo Ke Ji You Xian Gong Si
Address of Manufacturer:	Qian Wan yi lu 1 hao A dong 201 shi, qian hai shen gang he zuo qu, shen zhen,guang dong, China 518000
Factory:	Shen Zhen Shi Zhi Hui Duo Ke Ji You Xian Gong Si
Address of Factory:	Qian Wan yi lu 1 hao A dong 201 shi, qian hai shen gang he zuo qu, shen zhen,guang dong, China 518000

5.2 General Description of EUT

Product Name:	LED Floodlight
Model No.:	LAW25E, LAW10E
Test Model No.:	LAW25E
Trade mark:	N/A
Product Type:	☐ Mobile ☐ Portable ☒ Fix Location
Operation Frequency:	2402MHz~2480MHz
Modulation Type:	GFSK
Transfer Rate:	☒ 1Mbps ☐ 2Mbps
Number of Channel:	40
Antenna Type:	PCB antenna
Antenna Gain:	5dBi
Power Supply:	AC 100-120V~60Hz
Test Voltage:	AC 110V
Sample Received Date:	Feb. 24, 2022
Sample tested Date:	Feb. 25, 2022 to Mar. 31, 2022

Operation Frequency each of channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
0	2402MHz	10	2422MHz	20	2442MHz	30	2462MHz
1	2404MHz	11	2424MHz	21	2444MHz	31	2464MHz
2	2406MHz	12	2426MHz	22	2446MHz	32	2466MHz
3	2408MHz	13	2428MHz	23	2448MHz	33	2468MHz
4	2410MHz	14	2430MHz	24	2450MHz	34	2470MHz
5	2412MHz	15	2432MHz	25	2452MHz	35	2472MHz
6	2414MHz	16	2434MHz	26	2454MHz	36	2474MHz
7	2416MHz	17	2436MHz	27	2456MHz	37	2476MHz
8	2418MHz	18	2438MHz	28	2458MHz	38	2478MHz
9	2420MHz	19	2440MHz	29	2460MHz	39	2480MHz

Note:
In section 15.31(m), regards to the operating frequency range over 10 MHz, the lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

Channel	Frequency
The lowest channel (CH0)	2402MHz
The middle channel (CH19)	2440MHz
The highest channel (CH39)	2480MHz

5.3 Test Configuration

EUT Test Software Settings:				
Software:	Wifi Test Tool v1.6.0			
EUT Power Grade:	Default			
Use test software to set the lowest frequency, the middle frequency and the highest frequency keep transmitting of the EUT.				
Test Mode	Modulation	Rate	Channel	Frequency(MHz)
Mode a	GFSK	1Mbps	CH0	2402
Mode b	GFSK	1Mbps	CH19	2440
Mode c	GFSK	1Mbps	CH39	2480

5.4 Test Environment

Operating Environment:	
Radiated Spurious Emissions:	
Temperature:	22~25.0 °C
Humidity:	50~55 % RH
Atmospheric Pressure:	1010mbar
Conducted Emissions:	
Temperature:	22~25.0 °C
Humidity:	50~55 % RH
Atmospheric Pressure:	1010mbar

5.5 Description of Support Units

The EUT has been tested with associated equipment below.

1）support equipment

Description	Manufacturer	Model No.	Certification	Supplied by
Netbook	DELL	Latitude 3490	FCC&CE	CTI
Phone	XIAOMI	MI 6X	FCC&CE	CTI

5.6 Test Location

All tests were performed at:

Centre Testing International Group Co., Ltd
Building C, Hongwei Industrial Park Block 70, Bao'an District, Shenzhen, China
Telephone: +86 (0) 755 33683668 Fax:+86 (0) 755 33683385
No tests were sub-contracted.
FCC Designation No.: CN1164

5.7 Measurement Uncertainty (95% confidence levels, k=2)

No.	Item	Measurement Uncertainty
1	Radio Frequency	7.9×10^{-8}
2	RF power, conducted	0.46dB (30MHz-1GHz)
		0.55dB (1GHz-18GHz)
3	Radiated Spurious emission test	3.3dB (9kHz-30MHz)
		4.3dB (30MHz-1GHz)
		4.5dB (1GHz-18GHz)
		3.4dB (18GHz-40GHz)
4	Conduction emission	3.5dB (9kHz to 150kHz)
		3.1dB (150kHz to 30MHz)
5	Temperature test	0.64°C
6	Humidity test	3.8%
7	DC power voltages	0.026%

6 Equipment List

Conducted disturbance Test					
Equipment	**Manufacturer**	**Model No.**	**Serial Number**	**Cal. date (mm-dd-yyyy)**	**Cal. Due date (mm-dd-yyyy)**
Receiver	R&S	ESCI	100435	04-15-2021	04-14-2022
Temperature/ Humidity Indicator	Defu	TH128	/	---	---
LISN	R&S	ENV216	100098	03-04-2021 03-01-2022	03-03-2022 02-28-2023
Barometer	changchun	DYM3	1188	---	---

3M Semi-anechoic Chamber (2)- Radiated disturbance Test					
Equipment	Manufacturer	Model	Serial No.	Cal. Date	Due Date
3M Chamber & Accessory Equipment	TDK	SAC-3	---	05/24/2019	05/23/2022
Receiver	R&S	ESCI7	100938-003	10/14/2021	10/13/2022
TRILOG Broadband Antenna	schwarzbeck	VULB 9163	9163-618	05/23/2019	05/22/2022
Multi device Controller	maturo	NCD/070/10711112	---	---	---
Horn Antenna	ETS-LINGREN	BBHA 9120D	9120D-1869	04/15/2021	04/14/2024
Spectrum Analyzer	R&S	FSP40	100416	04/29/2021	04/28/2022
Microwave Preamplifier	Agilent	8449B	3008A02425	06/23/2021	06/22/2022

3M full-anechoic Chamber					
Equipment	**Manufacturer**	**Model No.**	**Serial Number**	**Cal. Date (mm-dd-yyyy)**	**Cal. Due date (mm-dd-yyyy)**
RSE Automatic test software	JS Tonscend	JS36-RSE	10166	---	---
Receiver	Keysight	N9038A	MY57290136	03-04-2021 03-01-2022	03-03-2022 02-28-2023
Spectrum Analyzer	Keysight	N9020B	MY57111112	03-04-2021 02-23-2022	03-03-2022 02-22-2023
Spectrum Analyzer	Keysight	N9030B	MY57140871	03-04-2021 02-23-2022	03-03-2022 02-22-2023
TRILOG Broadband Antenna	Schwarzbeck	VULB 9163	9163-1148	04-28-2021	04-27-2024
Horn Antenna	Schwarzbeck	BBHA 9170	9170-832	04-15-2021	04-14-2024
Horn Antenna	ETS-LINDGREN	3117	57407	07-04-2021	07-03-2024
Preamplifier	EMCI	EMC184055SE	980597	05-20-2021	05-19-2022
Preamplifier	EMCI	EMC001330	980563	04-15-2021	04-14-2022
Preamplifier	JS Tonscend	980380	EMC051845SE	12-24-2021	12-23-2022
Communication test set	R&S	CMW500	102898	12-24-2021	12-23-2022
Temperature/ Humidity Indicator	biaozhi	GM1360	EE1186631	04-16-2021	04-15-2022
Fully Anechoic Chamber	TDK	FAC-3	---	01-09-2021	01-08-2024
Cable line	Times	SFT205-NMSM-2.50M	394812-0001	---	---
Cable line	Times	SFT205-NMSM-2.50M	394812-0002	---	---
Cable line	Times	SFT205-NMSM-2.50M	394812-0003	---	---
Cable line	Times	SFT205-NMSM-2.50M	393495-0001	---	---
Cable line	Times	EMC104-NMNM-1000	SN160710	---	---
Cable line	Times	SFT205-NMSM-3.00M	394813-0001	---	---
Cable line	Times	SFT205-NMNM-1.50M	381964-0001	---	---
Cable line	Times	SFT205-NMSM-7.00M	394815-0001	---	---
Cable line	Times	HF160-KMKM-3.00M	393493-0001	---	---

7 Test results and Measurement Data

7.1 Antenna Requirement

Standard requirement:	47 CFR Part 15C Section 15.203 /247(c)
15.203 requirement: 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, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. 15.247(b) (4) requirement: The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.	
EUT Antenna:	Please see Internal photos
The antenna is integral antenna. The best case gain of the antenna is 5dBi.	

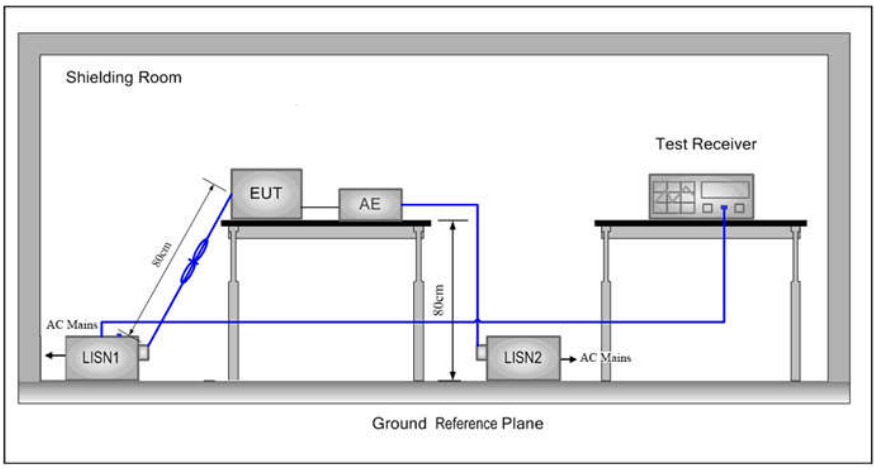
7.2 Conducted Emissions

Test Requirement:	47 CFR Part 15C Section 15.207
Test Method:	ANSI C63.10: 2013
Test Frequency Range:	150kHz to 30MHz
Receiver setup:	RBW=9 kHz, VBW=30 kHz, Sweep time=auto
Limit:	

Frequency range (MHz)	Limit (dBuV)	
	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 frequency.

Test Setup:



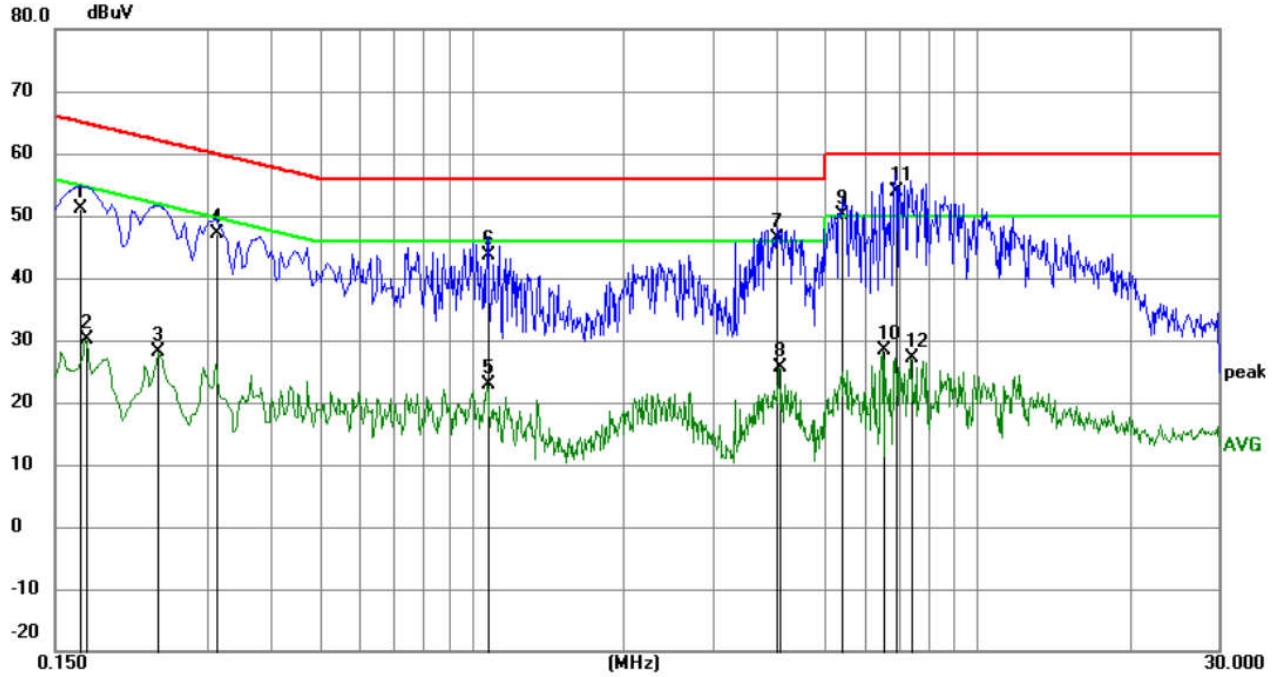
Test Procedure:

1) The mains terminal disturbance voltage test was conducted in a shielded room.
2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a 50Ω/50μH + 5Ω linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded.
3) The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane.
4) The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the LISN 2.
5) In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10: 2013 on conducted measurement.

Test Mode:	All modes were tested, only the worst case mode a was recorded in the report.
Test Results:	Pass

Measurement Data

Live line:

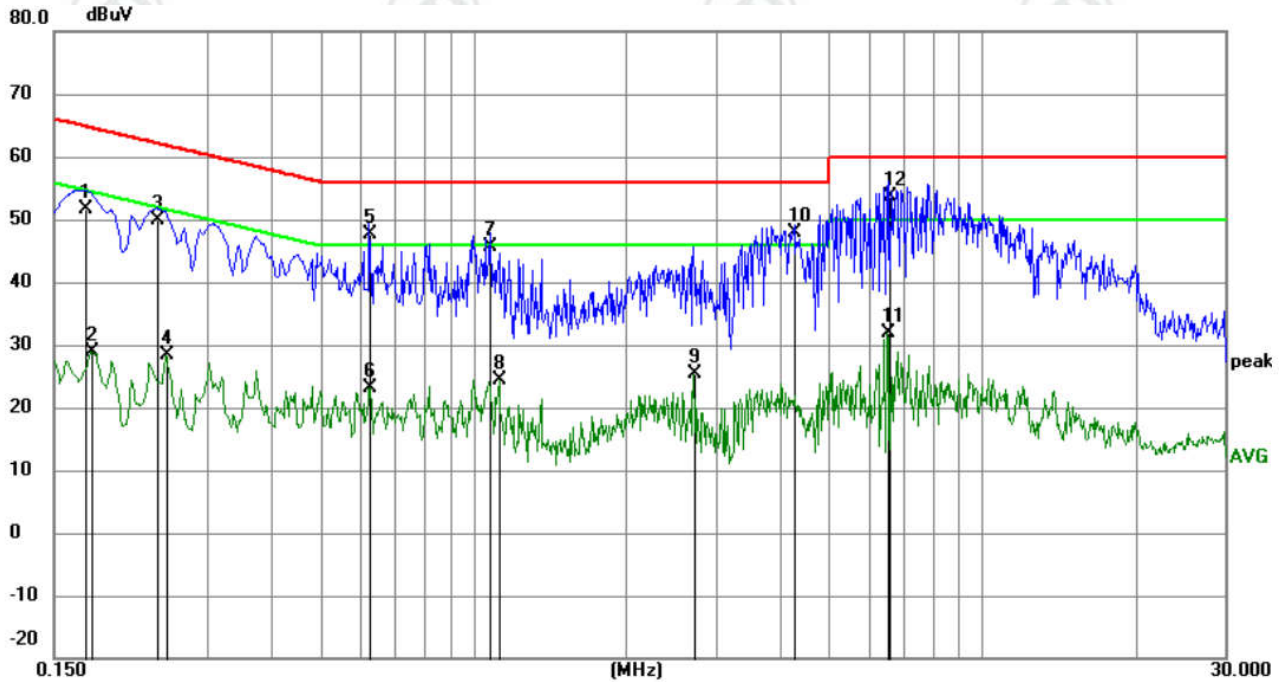


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1680	41.34	9.87	51.21	65.06	-13.85	QP	
2		0.1725	20.17	9.87	30.04	54.84	-24.80	AVG	
3		0.2400	18.07	9.95	28.02	52.10	-24.08	AVG	
4		0.3120	36.97	10.06	47.03	59.92	-12.89	QP	
5		1.0725	13.14	9.83	22.97	46.00	-23.03	AVG	
6		1.0770	33.86	9.83	43.69	56.00	-12.31	QP	
7		4.0245	36.58	9.78	46.36	56.00	-9.64	QP	
8		4.0560	15.90	9.78	25.68	46.00	-20.32	AVG	
9		5.4015	40.23	9.78	50.01	60.00	-9.99	QP	
10		6.5130	18.50	9.79	28.29	50.00	-21.71	AVG	
11	*	6.8910	44.11	9.79	53.90	60.00	-6.10	QP	
12		7.3860	17.24	9.79	27.03	50.00	-22.97	AVG	

Remark:

1. The following Quasi-Peak and Average measurements were performed on the EUT:
2. Final Test Level =Receiver Reading + LISN Factor + Cable Loss.
3. If the Peak value under Average limit, the Average value is not recorded in the report.

Neutral line:



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1725	41.82	9.87	51.69	64.84	-13.15	QP	
2		0.1770	19.09	9.87	28.96	54.63	-25.67	AVG	
3		0.2400	39.93	9.95	49.88	62.10	-12.22	QP	
4		0.2490	18.37	9.97	28.34	51.79	-23.45	AVG	
5		0.6270	37.59	10.02	47.61	56.00	-8.39	QP	
6		0.6270	13.17	10.02	23.19	46.00	-22.81	AVG	
7		1.0770	35.86	9.83	45.69	56.00	-10.31	QP	
8		1.1265	14.50	9.82	24.32	46.00	-21.68	AVG	
9		2.7105	15.61	9.79	25.40	46.00	-20.60	AVG	
10		4.2855	38.07	9.78	47.85	56.00	-8.15	QP	
11		6.5130	22.19	9.79	31.98	50.00	-18.02	AVG	
12	*	6.5715	43.87	9.79	53.66	60.00	-6.34	QP	

Remark:

1. The following Quasi-Peak and Average measurements were performed on the EUT:
2. Final Test Level =Receiver Reading + LISN Factor + Cable Loss.
3. If the Peak value under Average limit, the Average value is not recorded in the report.

7.3 Radiated Spurious Emission & Restricted bands

Test Requirement:	47 CFR Part 15C Section 15.209 and 15.205
Test Method:	ANSI C63.10 2013
Test Site:	Measurement Distance: 3m (Semi-Anechoic Chamber)
Receiver Setup:	

Frequency	Detector	RBW	VBW	Remark
0.009MHz-0.090MHz	Peak	10kHz	30kHz	Peak
0.009MHz-0.090MHz	Average	10kHz	30kHz	Average
0.090MHz-0.110MHz	Quasi-peak	10kHz	30kHz	Quasi-peak
0.110MHz-0.490MHz	Peak	10kHz	30kHz	Peak
0.110MHz-0.490MHz	Average	10kHz	30kHz	Average
0.490MHz -30MHz	Quasi-peak	10kHz	30kHz	Quasi-peak
30MHz-1GHz	Quasi-peak	100 kHz	300kHz	Quasi-peak
Above 1GHz	Peak	1MHz	3MHz	Peak
	Peak	1MHz	10kHz	Average

Limit:

Frequency	Field strength (microvolt/meter)	Limit (dBuV/m)	Remark	Measurement distance (m)
0.009MHz-0.490MHz	2400/F(kHz)	-	-	300
0.490MHz-1.705MHz	24000/F(kHz)	-	-	30
1.705MHz-30MHz	30	-	-	30
30MHz-88MHz	100	40.0	Quasi-peak	3
88MHz-216MHz	150	43.5	Quasi-peak	3
216MHz-960MHz	200	46.0	Quasi-peak	3
960MHz-1GHz	500	54.0	Quasi-peak	3
Above 1GHz	500	54.0	Average	3

Note: 15.35(b), Unless otherwise specified, the limit on peak radio frequency emissions is 20dB above the maximum permitted average emission limit applicable to the equipment under test. This peak limit applies to the total peak emission level radiated by the device.

Test Setup:	

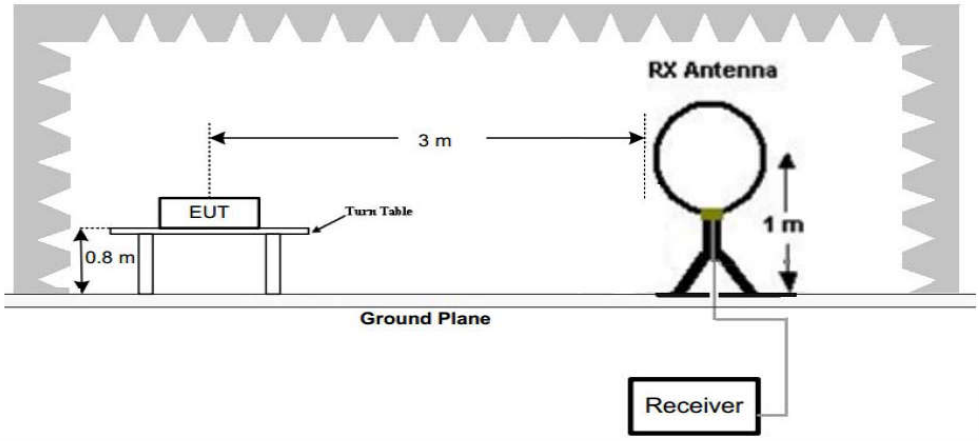


Figure 1. Below 30MHz

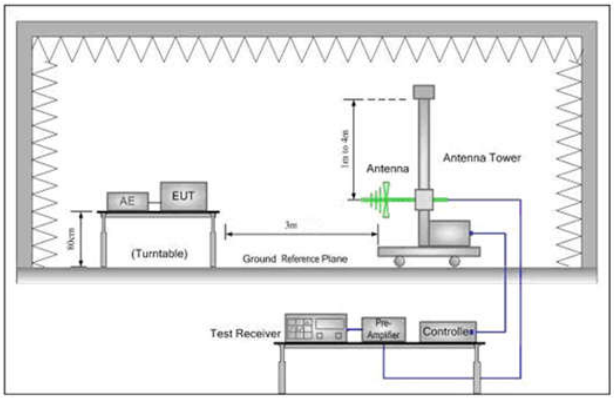


Figure 2. 30MHz to 1GHz

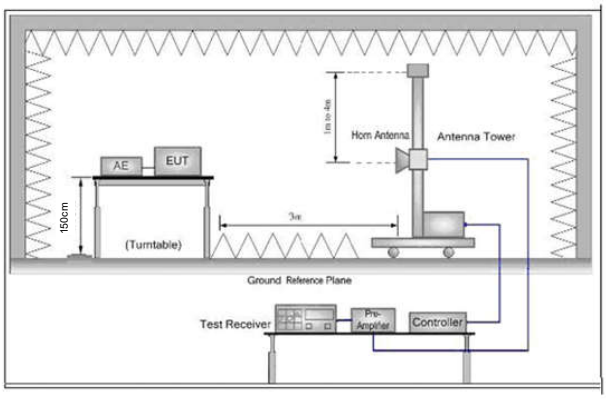


Figure 3. Above 1 GHz

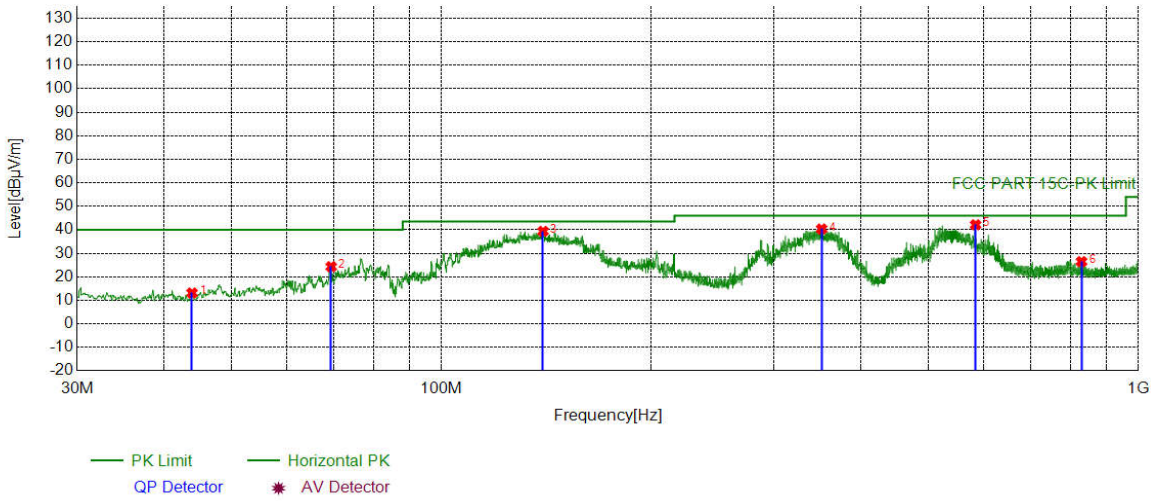
Test Procedure:	a. 1) Below 1G: The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation. 2) Above 1G: The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation. Note: For the radiated emission test above 1GHz: Place the measurement antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane. b. The EUT was set 3 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. f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet. g. Test the EUT in the lowest channel (2402MHz),the middle channel (2440MHz),the Highest channel (2480MHz) h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case. i. Repeat above procedures until all frequencies measured was complete.
Test Mode:	Refer to clause 5.3
Test Results:	Pass

Radiated Spurious Emission below 1GHz:

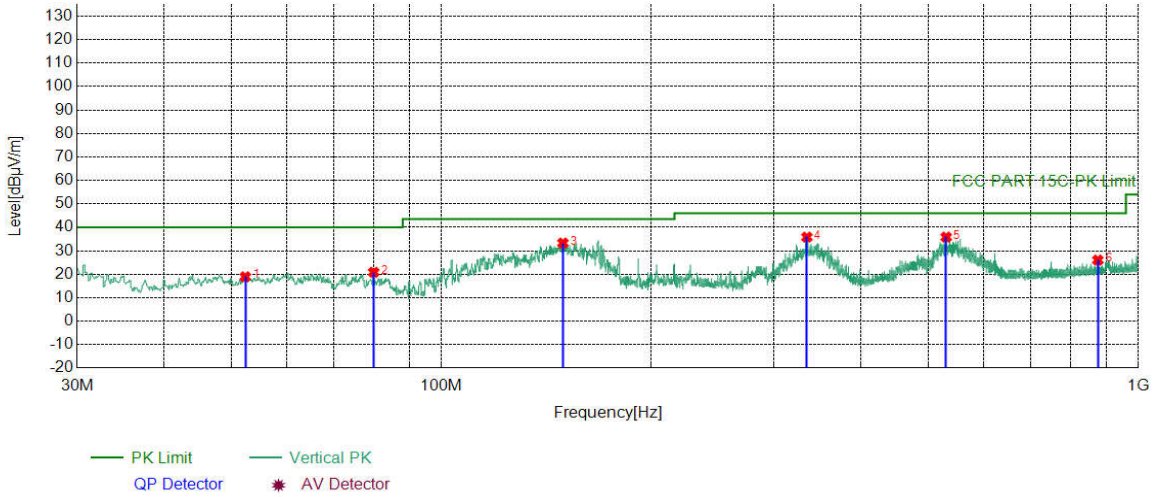
During the test, the Radiates Emission from 30MHz to 1GHz was performed in all modes, only the worst case Mode a was recorded in the report.

Test Graph



Suspected List									
NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	43.8724	-17.35	30.48	13.13	40.00	26.87	PASS	Horizontal	PK
2	69.4829	-20.68	45.01	24.33	40.00	15.67	PASS	Horizontal	PK
3	139.9120	-22.03	61.40	39.37	43.50	4.13	PASS	Horizontal	PK
4	351.2961	-14.04	54.41	40.37	46.00	5.63	PASS	Horizontal	PK
5	584.2164	-9.01	51.14	42.13	46.00	3.87	PASS	Horizontal	PK
6	829.1659	-6.09	32.57	26.48	46.00	19.52	PASS	Horizontal	PK

Test Graph



Suspected List									
NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	52.3122	-17.48	36.40	18.92	40.00	21.08	PASS	Vertical	PK
2	79.9600	-22.56	43.40	20.84	40.00	19.16	PASS	Vertical	PK
3	149.4189	-21.66	54.97	33.31	43.50	10.19	PASS	Vertical	PK
4	334.6105	-14.57	50.40	35.83	46.00	10.17	PASS	Vertical	PK
5	530.1820	-10.25	46.09	35.84	46.00	10.16	PASS	Vertical	PK
6	875.0515	-5.19	31.23	26.04	46.00	19.96	PASS	Vertical	PK

Radiated Spurious Emission above 1GHz:

Mode:			GFSK Transmitting			Channel:		2402 MHz	
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dB μV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	1104.2104	0.85	42.48	43.33	74.00	30.67	PASS	H	PK
2	1664.0664	2.71	42.78	45.49	74.00	28.51	PASS	H	PK
3	4257.0838	-17.57	58.53	40.96	74.00	33.04	PASS	H	PK
4	7235.2824	-11.79	54.25	42.46	74.00	31.54	PASS	H	PK
5	13820.7214	-1.70	50.28	48.58	74.00	25.42	PASS	H	PK
6	16898.9266	3.09	48.59	51.68	74.00	22.32	PASS	H	PK
7	1143.8144	0.83	43.14	43.97	74.00	30.03	Pass	V	PK
8	3451.0301	-20.11	58.04	37.93	74.00	36.07	Pass	V	PK
9	5680.1787	-13.99	54.43	40.44	74.00	33.56	Pass	V	PK
10	7207.2805	-11.83	53.33	41.50	74.00	32.50	Pass	V	PK
11	11064.5376	-6.19	51.52	45.33	74.00	28.67	Pass	V	PK
12	15356.8238	0.02	49.45	49.47	74.00	24.53	Pass	V	PK

Mode:			GFSK Transmitting			Channel:		2440 MHz	
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dB μV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	1238.8239	0.90	42.49	43.39	74.00	30.61	PASS	H	PK
2	1827.6828	3.49	40.92	44.41	74.00	29.59	PASS	H	PK
3	4247.0831	-17.65	57.57	39.92	74.00	34.08	PASS	H	PK
4	9230.4154	-7.90	51.52	43.62	74.00	30.38	PASS	H	PK
5	14372.7582	0.77	48.55	49.32	74.00	24.68	PASS	H	PK
6	16318.8879	1.31	49.52	50.83	74.00	23.17	PASS	H	PK
7	1385.2385	1.34	42.78	44.12	74.00	29.88	Pass	V	PK
8	1971.6972	4.40	40.82	45.22	74.00	28.78	Pass	V	PK
9	5318.1545	-14.76	57.89	43.13	74.00	30.87	Pass	V	PK
10	9759.4506	-7.51	53.57	46.06	74.00	27.94	Pass	V	PK
11	14389.7593	1.05	48.34	49.39	74.00	24.61	Pass	V	PK
12	17286.9525	3.88	48.98	52.86	74.00	21.14	Pass	V	PK

Mode:			GFSK Transmitting			Channel:		2800 MHz	
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dB μV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	1162.0162	0.82	42.53	43.35	74.00	30.65	PASS	H	PK
2	1576.4576	2.10	41.80	43.90	74.00	30.10	PASS	H	PK
3	4312.0875	-17.21	55.84	38.63	74.00	35.37	PASS	H	PK
4	6698.2466	-12.49	53.75	41.26	74.00	32.74	PASS	H	PK
5	11845.5897	-5.98	52.09	46.11	74.00	27.89	PASS	H	PK
6	16306.8871	1.58	49.92	51.50	74.00	22.50	PASS	H	PK
7	1065.0065	0.88	44.32	45.20	74.00	28.80	Pass	V	PK
8	1705.6706	2.96	42.26	45.22	74.00	28.78	Pass	V	PK
9	4662.1108	-16.63	58.80	42.17	74.00	31.83	Pass	V	PK
10	9181.4121	-8.03	51.50	43.47	74.00	30.53	Pass	V	PK
11	13751.7168	-1.70	50.74	49.04	74.00	24.96	Pass	V	PK
12	16264.8843	1.44	50.20	51.64	74.00	22.36	Pass	V	PK

Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

   Final Test Level =Receiver Reading + Antenna Factor + Cable Factor – Preamplifier Factor

2) Scan from 9kHz to 25GHz, the disturbance above 10GHz and below 30MHz was very low. As shown in this section, for frequencies above 1GHz, the field strength limits 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. So, only the peak measurements were shown in the report.