



TEST REPORT On Behalf of

Lite Source, Inc.

2650 E Merrill Ave, Ontario, California, USA, 91762

FCC ID: 2A99Z-LSX83562

Model: LS-83562XXXXXXX, LSX-83562XXXXXXX,
LSB-83562XXXXXXX (XXXXXXX stands for color finishes),
20078526, LS-83562BLK, LS-83562SILV

April 21, 2026

This Report Concerns:

☒ Original Report

Equipment Type:

LED Floor Lamp

Test Engineer: Fan Yang / *Fan Yang*

Report Number: QCT26CR-1418E-01

Test Date: April 2~21, 2026

Test Result: Pass

Reviewed By: Vincent Yang / *Vincent Yang*

Approved By: Kendy Wang / *Kendy Wang*

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1. GENERAL INFORMATION

1.1 Product Description for Equipment under Test (EUT)

EUT Description	LED Floor Lamp
Model No.	LS-83562XXXXXXX, LSX-83562XXXXXXX, LSB-83562XXXXXXX (XXXXXXX stands for color finishes), 20078526, LS-83562BLK, LS-83562SILV
Model Difference:	All the models are electrical identical including the same software parameter and hardware design (i.e., circuit design, PCB Layout, RF module/circuit, antenna type and antenna location, components on PCB, etc.), same mechanical structure and design (including product enclosure, materials, etc.), the only differences in the model name and color finishes.
Tested Model	LS-83562BLK
Sample(s) Status	Engineer sample
Operation Frequency:	110.5kHz~205kHz
Modulation type:	ASK
Antenna Type:	Inductive loop coil Antenna
Antenna gain*1:	0dBi (Max)
Power supply:	24.0V --- 1.6A (Powered by adapter)
Adapter information	MODEL: MWT036WR-240160UH INPUT:100-240V~50/60Hz 1.5A OUTPUT: 24.0V --- 1.6A
WPT Output Power:	10W
Trade Mark:	    
Applicant	Lite Source, Inc.
Address	2650 E Merrill Ave, Ontario, California, USA, 91762
Manufacturer	Lite Source, Inc.
Address	2650 E Merrill Ave, Ontario, California, USA, 91762
Sample No.	Y26C1418E01WC

Note: *1This information provided by Manufacturer, SZ QC Lab is not responsible for the accuracy of this information.



1.2 System Test Configuration

1.2.1 Support Equipment

Manufacturer	Description	Model	Serial Number
Apple	iphone	16 pro	CFWNMV43Y2

1.2.2 Test mode

Test Mode	Description
Mode 1	Charging with 10 W wireless charging load (99%)
Mode 2	Charging with 10 W wireless charging load (50%)
Mode 3	Charging with 10 W wireless charging load (1%)

Note: All the modes had been tested, but only the worst data was recorded in the report (Mode 1).



1.3 Test Facility

Test Firm : Shenzhen QC Testing Laboratory Co., Ltd.

The testing quality ability of our laboratory meet with "Quality Law of People's Republic of China" Clause 19. The testing quality system of our laboratory meets with ISO/IEC-17025 requirements. This approval result is accepted by MRA of APLAC.

Our test facility is recognized, certified, or accredited by the following organizations:

CNAS – Registration No.: L8464

The EMC Laboratory has been accredited by CNAS, and in compliance with ISO/IEC 17025:2017 General Requirements for testing Laboratories.

A2LA Certificate Number: 6759.01

The EMC Laboratory has been accredited by A2LA, and in compliance with ISO/IEC 17025:2017 General Requirements for testing Laboratories.

FCC Registration Number: 561109

The EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications commission.

IC Registration Number: 29628

CAB identifier: CN0141

The EMC Laboratory has been registered and fully described in a report filed with the (IC) Industry Canada.

1.4 Measurement Uncertainty

Parameter	Uncertainty
Occupied Channel Bandwidth	3.43%
RF output power, conducted	0.63dB
Power Spectral Density, conducted	0.69dB
AC Power Line Conducted Emission	0.90dB
Unwanted Emissions, conducted	1.80dB
Radiated Spurious Emission test (9kHz-30MHz)	2.68dB
Radiated Spurious Emission test (30MHz-1000MHz)	4.10dB
Radiated Spurious Emission test (1000MHz-18000MHz)	4.70dB
Radiated Spurious Emission test (18GHz-40GHz)	4.80dB
Temperature	0.375℃
Humidity	1.2679%
DC and low frequency voltages	0.18%
Time	0.133%
Duty cycle	0.133%

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



2. Summary of Test Results

Test Item	Section	Result
Antenna requirement	15.203	Pass
AC Power Line Conducted Emission	15.207	Pass
Spurious Emission	15.209(a)(f)	Pass
20dB Bandwidth	15.215	Pass

Note: 1. Pass: The EUT complies with the essential requirements in the standard.
2. Test according to ANSI C63.10-2020+Cor.1-2023.
3. All indications of Pass/Fail in this report are opinions expressed by Shenzhen QC Testing Laboratory Co., Ltd. based on interpretations and/or observations of test results. Measurement Uncertainties were not taken into account and are published for informational purposes only.



3. List of Test and Measurement Instruments

3.1 Conducted Emission Test

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal.Due
1	EMI Test Receiver	Rohde&Schwarz	ESIB 7	2277573376	2026.03.12	2027.03.11
2	EMI Test Receiver	Rohde&Schwarz	ESCI3	101820	2025.08.11	2026.08.10
3	Artificial Mains Network	SCHWARZBECK	NSLK8126	8126200	2025.08.11	2026.08.10
4	PULSE LIMITER	Rohde&Schwarz	ESH3-Z2	100058	2026.03.13	2027.03.12
5	Test Software	Tonscend	TS+ JS32-CE Ver 5.0.0	N/A	N/A	N/A

3.2 Radiated Emission Test

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal.Due
1	EMI Test Receiver	R&S	ESIB 7	2277573376	2026.03.12	2027.03.11
2	EMI Test Receiver	ESPI3	ESPI3	101131	2026.03.12	2027.03.11
3	Spectrum Analyzer	Rohde&Schwarz	FSV 40	101458	2026.03.13	2027.03.12
4	TRILOG Broadband Test-Antenna	SCHWARZBECK	VULB9168	VULB9168-588	2026.03.14	2028.03.13
5	Loop Antenna	EMCO	6502	2133	2026.03.14	2028.03.13
6	horn antenna	SCHWARZBECK	BBHA9120D	2069	2026.03.14	2028.03.13
7	Horn Antenna	COM-MW	ZLB7-18-40G -950	12221225	2025.08.19	2027.08.18
8	Pre-amplifier	MITEQ	TTA0001-18	2063645	2026.03.12	2027.03.11
9	Pre-amplifier	MITEQ	TTA1800-30-HG	2063644	2026.03.12	2027.03.11
10	Pre-amplifier	COM-MW	DLAN-18000 -40000-02	10229104	2026.03.12	2027.03.11
11	966 Camber	ZhongYU	9*6*6	/	2025.08.12	2028.08.11
12	Test Software	Farad	EZ-EMC Ver QCT03A2 RE+	N/A	N/A	N/A

3.3 RF Conducted test

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal.Due
1.	Spectrum Analyzer	ROHDE& SCHWARZ	FSV 40	101458	2026.03.13	2027.03.12



4. Antenna requirement

Standard requirement: FCC Part15 C Section 15.203

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.

EUT Antenna: The Ant is Inductive loop coil Antenna, the best case gain of the antenna is 0dBi, reference to the Internal photo for details.

5. Conducted Emissions

5.1 Applicable Standard

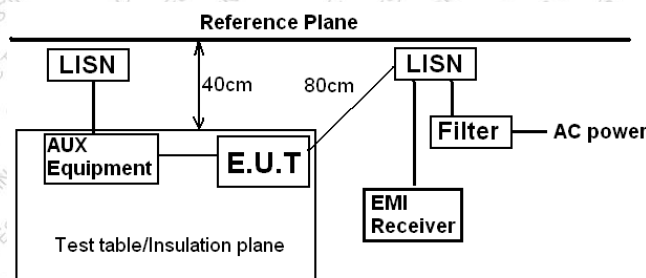
FCC Part15 C Section 15.207

5.2 Limit

Frequency range (MHz)	Limit (dBμV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

Note *: The level decreases linearly with the logarithm of the frequency.

5.3 Test setup



Remark:
E.U.T: Equipment Under Test
LISN: Line Impedance Stabilization Network
Test table height=0.1m

5.4 EMI Test Receiver Setup

The EMI test receiver was set to investigate the spectrum from 150 kHz to 30 MHz.
RBW=9 kHz, VBW=30 kHz, Sweep time=auto

5.5 Test procedure

1. The E.U.T and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm/50uH coupling impedance for the measuring equipment.
2. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and photographs).
3. Both sides of A.C. line are checked for maximum conducted interference. 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 on conducted measurement.

5.6 Test Data

Temperature	22 °C	Humidity	53%
ATM Pressure	101kPa	Antenna Gain	0dBi
Test by	Fan Yang	Test result	PASS

Test voltage: AC 120V/60Hz

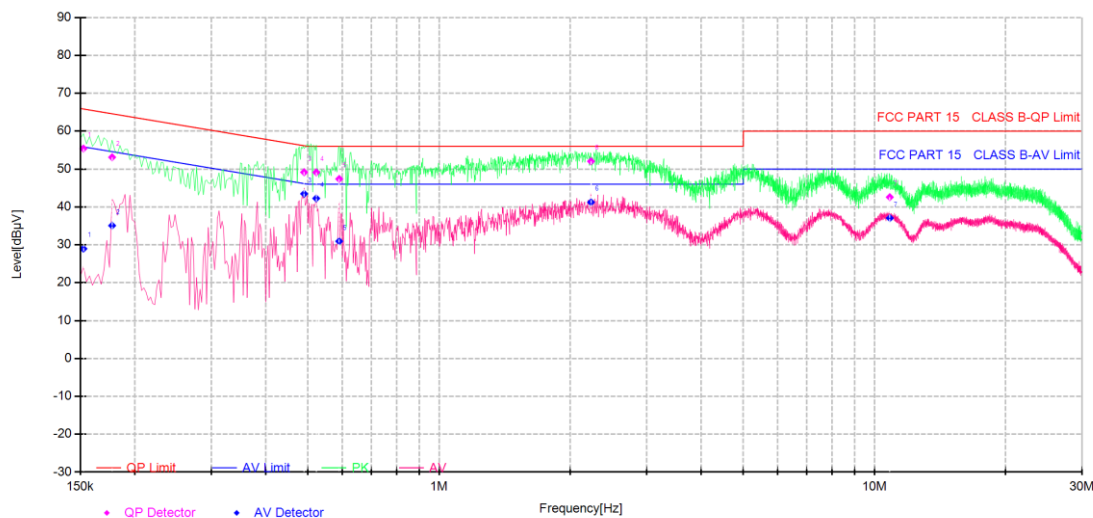


Measurement data:

Mode 1 Charging with 10 W wireless charging load (99%)

Note: All the modes had been tested, but only the worst data was recorded in the report (Mode 1).

Line:

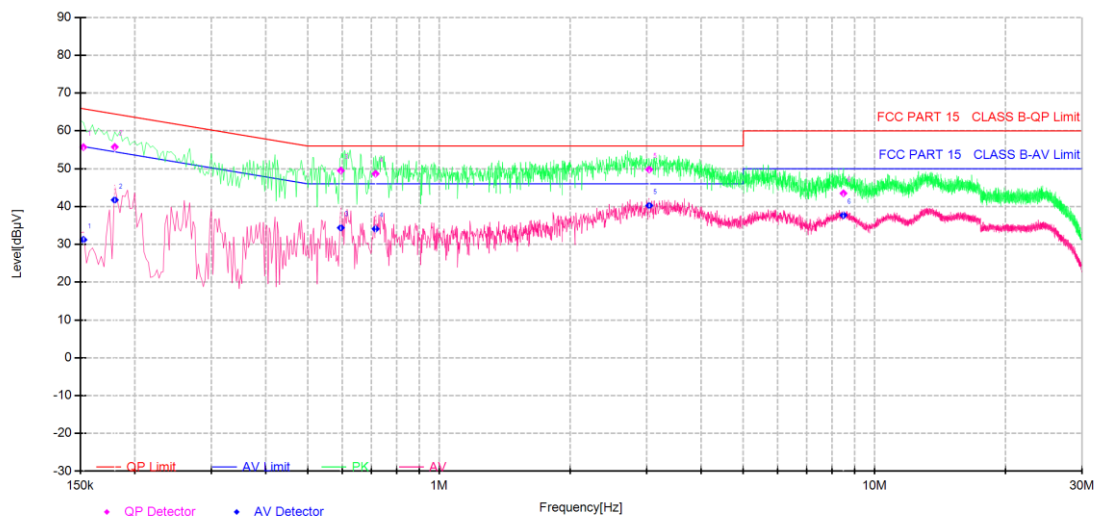


Final Data List

NO.	Freq. [MHz]	Factor[dB]	QP Value [dBμV]	QP Limit [dBμV]	QP Margin [dB]	AV Value [dBμV]	AV Limit [dBμV]	AV Margin [dB]	Phase	Verdict
1	0.1525	10.58	55.42	65.86	10.44	28.97	55.86	26.89	L	PASS
2	0.1775	10.63	53.13	64.60	11.47	35.08	54.60	19.52	L	PASS
3	0.4900	10.73	49.17	56.17	7.00	43.48	46.17	2.69	L	PASS
4	0.5225	10.73	49.13	56.00	6.87	42.27	46.00	3.73	L	PASS
5	0.5900	10.75	47.40	56.00	8.60	30.95	46.00	15.05	L	PASS
6	2.2340	10.70	52.06	56.00	3.94	41.24	46.00	4.76	L	PASS
7	10.8470	10.83	42.59	60.00	17.41	37.06	50.00	12.94	L	PASS



Neutral:



Final Data List

NO.	Freq. [MHz]	Factor[dB]	QP Value [dBμV]	QP Limit [dBμV]	QP Margin [dB]	AV Value [dBμV]	AV Limit [dBμV]	AV Margin [dB]	Phase	Verdict
1	0.1525	10.47	55.72	65.86	10.14	31.22	55.86	24.64	N	PASS
2	0.1800	10.48	55.77	64.49	8.72	41.75	54.49	12.74	N	PASS
3	0.5950	10.68	49.52	56.00	6.48	34.40	46.00	11.60	N	PASS
4	0.7150	10.77	48.68	56.00	7.32	34.09	46.00	11.91	N	PASS
5	3.0395	10.66	49.78	56.00	6.22	40.27	46.00	5.73	N	PASS
6	8.4890	10.58	43.50	60.00	16.50	37.71	50.00	12.29	N	PASS

Notes:

1. An initial pre-scan was performed on the line and neutral lines with peak detector.
2. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.

6. Spurious Emission

6.1 Applicable Standard

FCC Part15 C Section 15.209

6.2 Limit

Limits for frequency below 30MHz

Frequency	Limit (uV/m)	Measurement Distance(m)	Remark
0.009-0.490	2400/F(kHz)	300	Quasi-peak Value
0.490-1.705	24000/F(kHz)	30	Quasi-peak Value
1.705-30	30	30	Quasi-peak Value

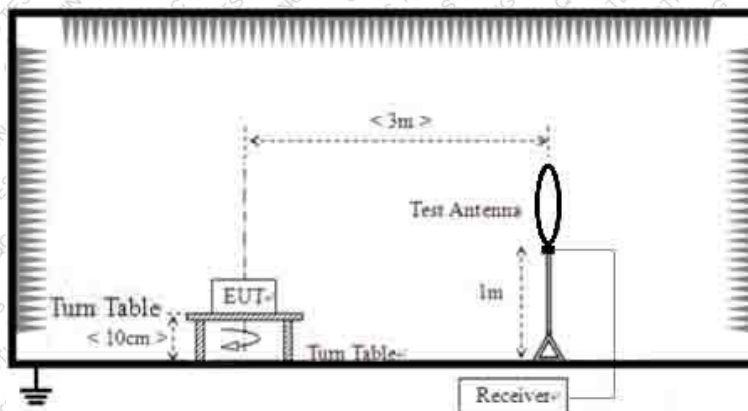
Limits for frequency Above 30MHz

Frequency	Limit (dBuV/m @3m)	Remark
30MHz-88MHz	40.00	Quasi-peak Value
88MHz-216MHz	43.50	Quasi-peak Value
216MHz-960MHz	46.00	Quasi-peak Value
960MHz-1GHz	54.00	Quasi-peak Value
Above 1GHz	54.00	Average Value
	74.00	Peak Value

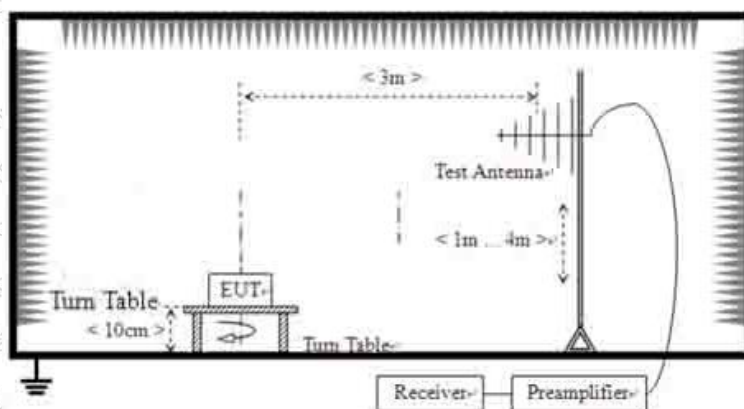
Remark: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.

6.3 Test setup

For radiated emissions from Below 30MHz



For radiated emissions from 30MHz to 1GHz



6.4 EMI Test Receiver Setup

Frequency	Detector	RBW	VBW	Remark
9kHz- 30MHz	Quasi-peak	10kHz	30kHz	Quasi-peak Value
30MHz-1GHz	Quasi-peak	120kHz	300kHz	Quasi-peak Value
Above 1GHz	Peak	1MHz	3MHz	Peak Value
	AV	1MHz	10Hz	Average Value

Remark: For the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission test in these three bands are based on measurements employing an average detector.

6.5 Test procedure

- The EUT was placed on the top of a rotating table (0.8m for below 1G and 1.5m for above 1G) above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation.
- The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- 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.
- 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 and the rota table was turned from 0 degrees to 360 degrees to find the maximum reading.
- The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- 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.

6.1 Test Data

Temperature	25 °C	Humidity	49-56%
ATM Pressure	101.1kPa	Antenna Gain	0dBi
Test by	Fan Yang	Test result	PASS

Test voltage: AC 120V/60Hz



Mode 1

Charging with 10 W wireless charging load (99%)

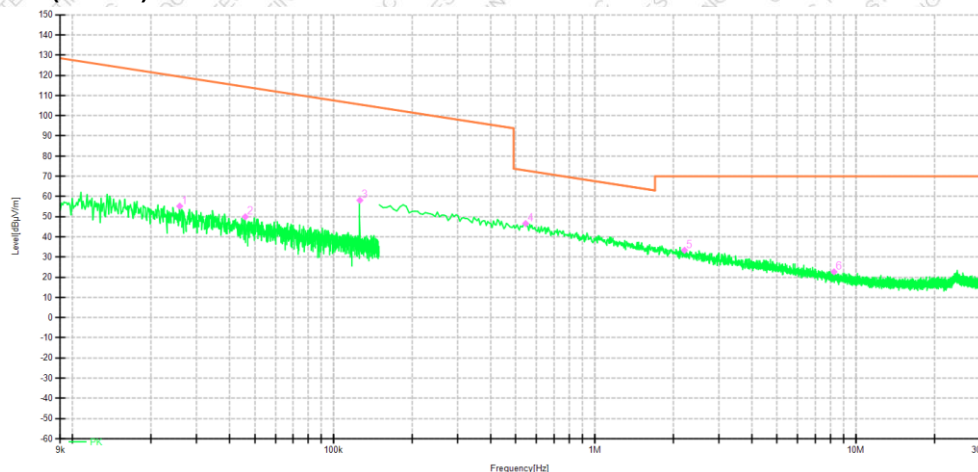
Note: All the modes had been tested, but only the worst data was recorded in the report (Mode 1).

Measurement data:

Note: Limit dBuV/m @3m = Limit dBuV/m @300m+ 80

Limit dBuV/m @3m = Limit dBuV/m @30m + 40

9 kHz~30 MHz (X Axis)

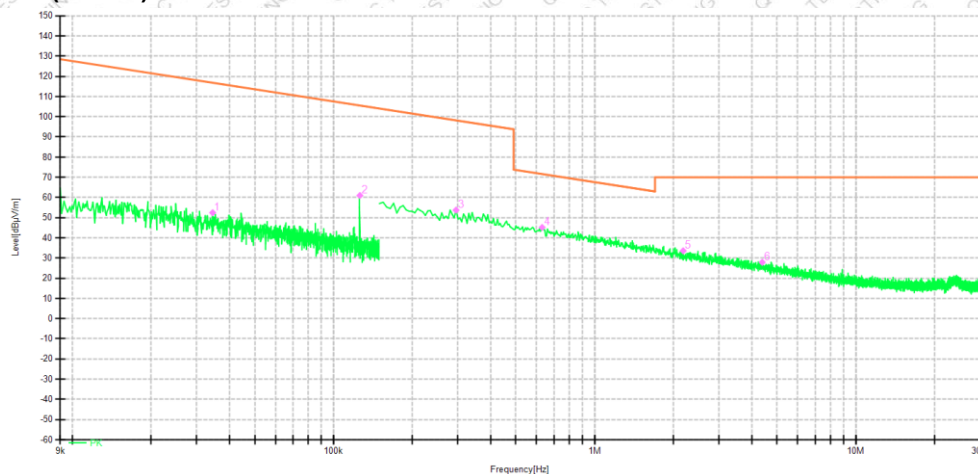


Suspected Data List

NO.	Band	Frequency [Hz]	Level [dBuV/m]	Factor [dB]	Limit [dBuV/m]	Margin [dB]	Detector	Instrument	Verdict
1	NONE	25.8k	55.21	14.71	119.37	64.16	AVG	X	PASS
2	NONE	46k	49.91	12.43	114.35	64.44	AVG	X	PASS
3	NONE	128.3k	58.10	11.51	105.58	47.48	AVG	X	PASS
4	NONE	545k	46.59	11.67	72.88	26.29	QP	X	PASS
5	NONE	2.21M	33.34	11.97	70.00	36.66	QP	X	PASS
6	NONE	8.26M	22.65	11.44	70.00	47.35	QP	X	PASS



9 kHz~30 MHz (Y Axis)

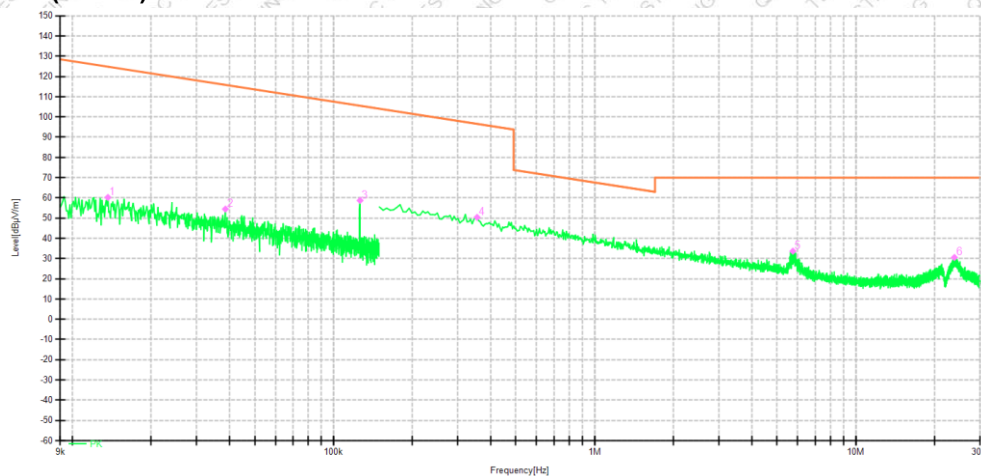


Suspected Data List

NO.	Band	Frequency [Hz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Detector	Instrument	Verdict
1	NONE	34.5k	52.45	13.22	116.85	64.40	AVG	Y	PASS
2	NONE	128.3k	60.99	11.51	105.58	44.59	AVG	Y	PASS
3	NONE	295k	53.73	11.56	98.21	44.48	AVG	Y	PASS
4	NONE	630k	45.16	11.70	71.62	26.46	QP	Y	PASS
5	NONE	2.185M	33.56	11.97	70.00	36.44	QP	Y	PASS
6	NONE	4.385M	27.88	12.07	70.00	42.12	QP	Y	PASS



9 kHz~30 MHz (Z Axis)



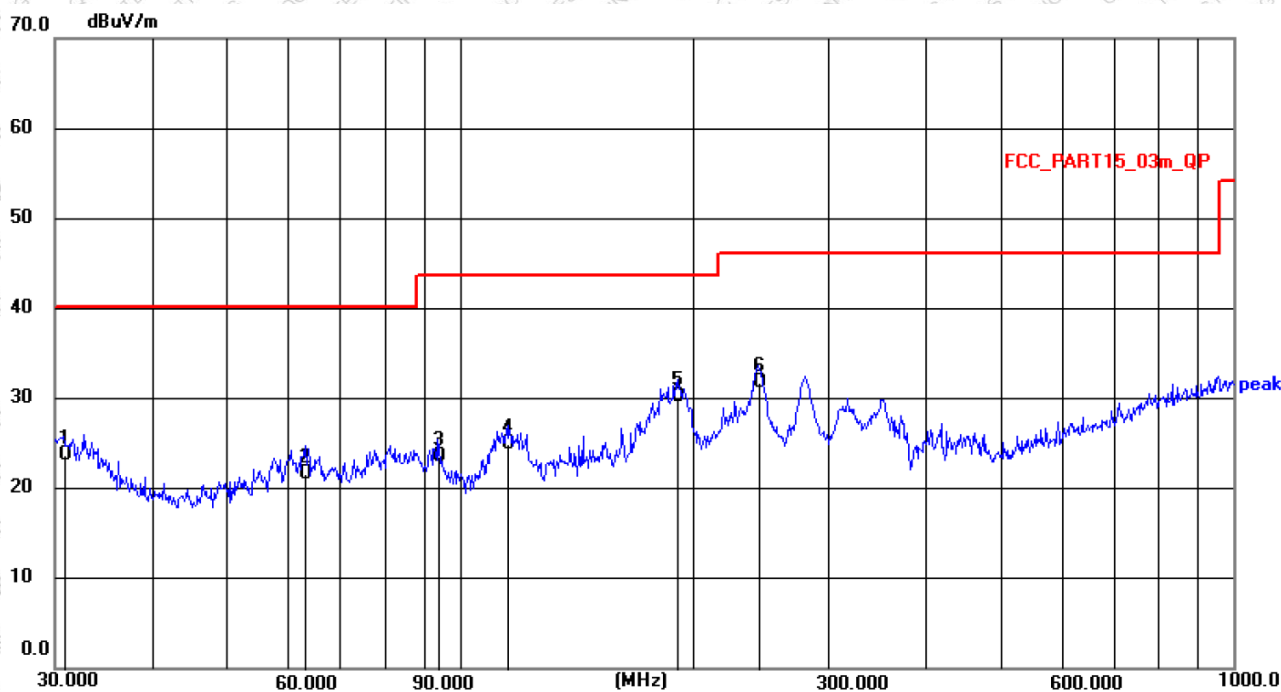
Suspected Data List

NO.	Band	Frequency [Hz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Detector	Instrument	Verdict
1	NONE	13.7k	60.22	18.10	124.87	64.65	AVG	Z	PASS
2	NONE	38.6k	54.47	12.94	115.87	61.40	AVG	Z	PASS
3	NONE	128.3k	58.73	11.51	105.56	46.83	AVG	Z	PASS
4	NONE	355k	50.38	11.59	96.60	46.22	AVG	Z	PASS
5	NONE	5.745M	33.64	11.88	70.00	36.36	QP	Z	PASS
6	NONE	23.87M	30.53	11.02	70.00	39.47	QP	Z	PASS



30MHz~1GHz

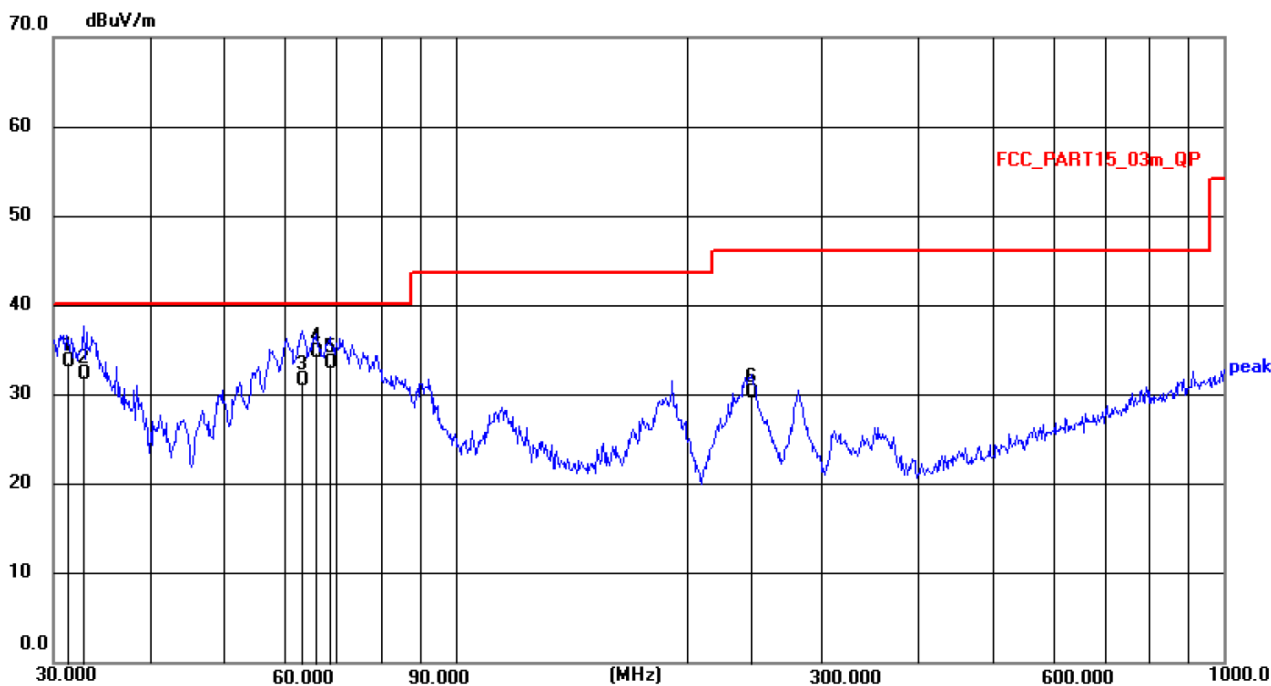
Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	30.7455	8.34	15.43	23.77	40.00	16.23	QP
2	63.0916	8.64	13.05	21.69	40.00	18.31	QP
3	93.7685	13.03	10.52	23.55	43.50	19.95	QP
4	115.3205	12.30	12.68	24.98	43.50	18.52	QP
5 *	191.0738	18.64	11.52	30.16	43.50	13.34	QP
6	243.3772	18.34	13.39	31.73	46.00	14.27	QP



Vertical



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	31.1798	18.26	15.44	33.70	40.00	6.30	QP
2	32.8327	16.78	15.42	32.20	40.00	7.80	QP
3	63.2577	18.58	13.02	31.60	40.00	8.40	QP
4 *	65.8031	22.21	12.58	34.79	40.00	5.21	QP
5	68.6310	21.46	12.08	33.54	40.00	6.46	QP
6	243.3771	16.85	13.39	30.24	46.00	15.76	QP

Remarks:

1. Level = Receiver Read level + Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

7. 20dB Occupy Bandwidth

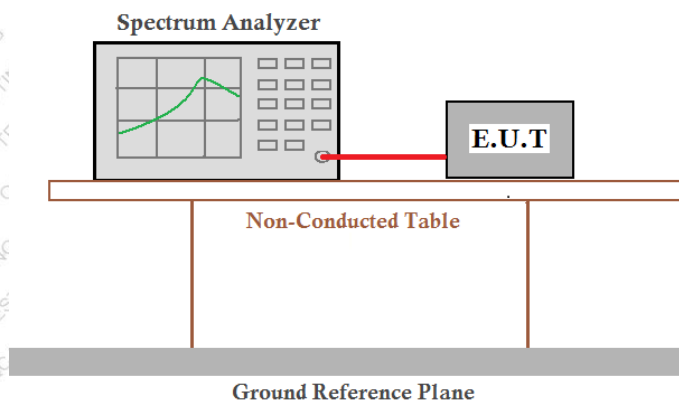
7.1 Applicable Standard

FCC Part15 C Section 15.215

7.2 Limit

N/A

7.3 Test setup



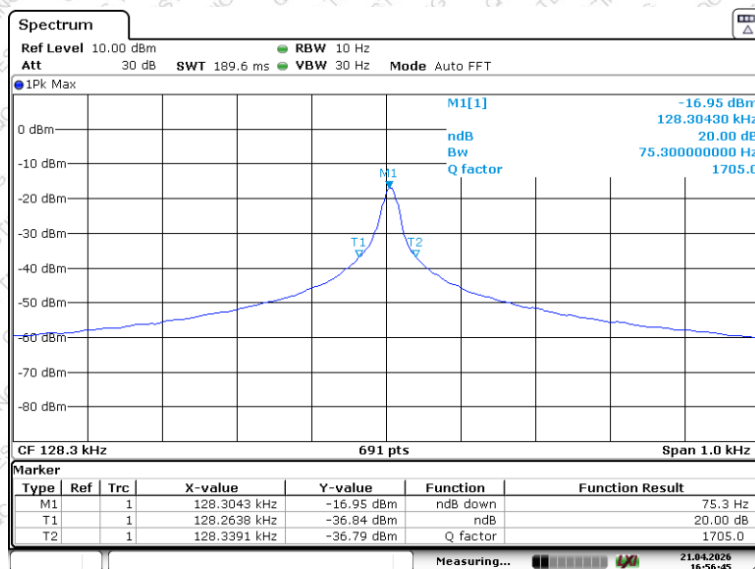
7.4 Test Method

ANSI C63.10-2020+Cor.1-2023.

7.5 Test Data

Temperature	24.5 °C	Humidity	50%
ATM Pressure	101.1kPa	Antenna Gain	0dBi
Test by	Fan Yang	Test result	PASS

Test Frequency (kHz)	20dB bandwidth (kHz)
128.3	0.075



Date: 21.APR.2026 16:56:45

----- THE END OF TEST REPORT -----