

TEST REPORT

Applicant: ARTIKA FOR LIVING INC

Address of Applicant: 1756 50th avenue, Lachine, Quebec, Canada H8T 2V5

Manufacturer: ZHONGSHAN WEIHUA LIGHTING TECHNOLOGY CO.,LTD.

Address of Manufacturer: No.13 YOUNG YI 2RD HENGLAN TOWN ZHONGSHAN CITY GUANGDONG PROVINCE CHINA

Equipment Under Test (EUT)

Product Name: Light Sensor LED Outdoor Wall Light

Model No.: OUT-KIM-***** (“*****”denote finish or customer, can be A to Z and/or 0 to 9 and/or blank)

FCC ID: 2AUHG-OUT-KIM

Applicable standards: FCC CFR Title 47 Part 15 Subpart B

Date of sample receipt: April 04, 2023

Date of Test: April 04-17, 2023

Date of report issued: April 17, 2023

Test Result : Pass *

* In the configuration tested, the EUT complied with the standards specified above.

Authorized Signature:



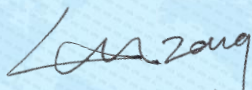
Robinson Luo
Laboratory Manager

This results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of compiler and approver.

2 Version

Version No.	Date	Description
00	April 17, 2023	Original

Prepared by:

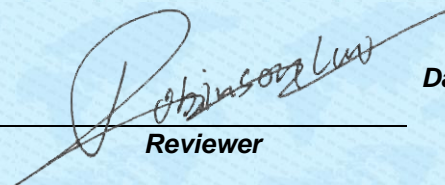


Date:

April 17, 2023

Project Engineer

Reviewed by:



Date:

April 17, 2023

Reviewer

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4 Test Summary

Test Item	Test Requirement	Test Method	Class / Severity	Result
Conducted Emission	FCC Part15.107	ANSI C63.4	Class B	PASS
Radiated Emissions #	FCC Part15.109	ANSI C63.4	Class B	PASS

Remark:

1. Pass: The EUT complies with the essential requirements in the standard.
2. # Refer to FCC Part 15.33 (b)(1) conditional testing procedure :

Highest frequency generated or used in the device or on which the device operates or tunes (MHz)	Upper frequency of measurement range (MHz)
Below 1.705	30
1.705-108	1000
108-500	2000
500-1000	5000
Above 1000	5th harmonic of the highest frequency or 40 GHz, whichever is lower.

Measurement Uncertainty

Test Item	Frequency Range	Measurement Uncertainty	Notes
Radiated Emission	30MHz-200MHz	3.8039dB	(1)
Radiated Emission	200MHz-1GHz	3.9679dB	(1)
Radiated Emission	1GHz-18GHz	4.29dB	(1)
AC Power Line Conducted Emission	0.15MHz ~ 30MHz	3.44dB	(1)

Note (1): The measurement uncertainty is for coverage factor of k=2 and a level of confidence of 95%.

5 General Information

5.1 General Description of EUT

Product Name:	Light Sensor LED Outdoor Wall Light		
Model No.:	OUT-KIM-***** (“*****” denote finish or customer, can be A to Z and/or 0 to 9 and/or blank)		
Test Model No.:	Input	Power	LED Driver
OUT-KIM-MB1710V-JA	120-277Vac, 50/60Hz	12W	LED-D12-042-0280-P-DM WH12PC

5.2 Test mode and Test voltage

Test mode:	
Operation mode	Keep the EUT in operation mode
Test voltage:	
120Vac/60Hz, 277Vac/60Hz	

5.3 Description of Support Units

None.

5.4 Deviation from Standards

None.

5.5 Abnormalities from Standard Conditions

None.

5.6 Test Facility

<p>The test facility is recognized, certified, or accredited by the following organizations:</p> <ul style="list-style-type: none"> ● FCC —Registration No.: 381383 Designation Number: CN5029 Global United Technology Services Co., Ltd., Shenzhen EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in files. ● IC —Registration No.: 9079A CAB identifier: CN0091 The 3m Semi-anechoic chamber of Global United Technology Services Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing. ● NVLAP (LAB CODE:600179-0) Global United Technology Services Co., Ltd., is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP).
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5.7 Test Location

Tests were performed at:
<p>Global United Technology Services Co., Ltd. Address: No. 123-128, Tower A, Jinyuan Business Building, No.2, Laodong Industrial Zone, Xixiang Road, Baoan District, Shenzhen, Guangdong, China 518102 Tel: 0755-27798480 Fax: 0755-27798960</p>

6 Test Instruments list

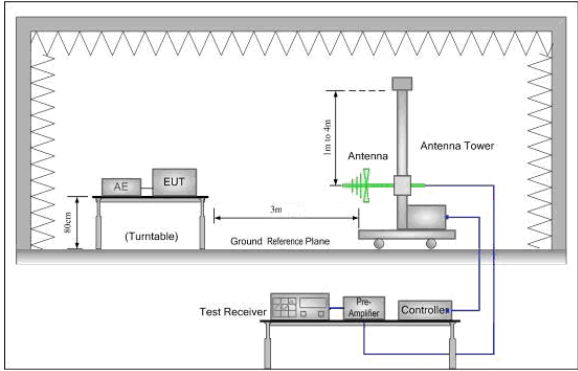
Radiated Emission:						
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)
1	3m Semi- Anechoic Chamber	ZhongYu Electron	9.2(L)*6.2(W)* 6.4(H)	GTS250	July 02, 2020	July 01, 2025
2	Control Room	ZhongYu Electron	6.2(L)*2.5(W)* 2.4(H)	GTS251	N/A	N/A
3	EMI Test Receiver	Rohde & Schwarz	ESU26	GTS203	April 22, 2022	April 21, 2023
4	BiConiLog Antenna	SCHWARZBECK MESS-ELEKTRONIK	VULB9168	GTS640	March 20, 2023	March 19, 2025
5	Double -ridged waveguide horn	SCHWARZBECK MESS-ELEKTRONIK	BBHA 9120 D	GTS208	June 12, 2022	June 11, 2023
6	Horn Antenna	ETS-LINDGREN	3160	GTS217	June 23, 2022	June 22, 2023
7	EMI Test Software	AUDIX	E3	N/A	N/A	N/A
8	Coaxial Cable	GTS	N/A	GTS213	April 22, 2022	April 21, 2023
9	Coaxial Cable	GTS	N/A	GTS211	April 22, 2022	April 21, 2023
10	Coaxial cable	GTS	N/A	GTS210	April 22, 2022	April 21, 2023
11	Coaxial Cable	GTS	N/A	GTS212	April 22, 2022	April 21, 2023
12	Amplifier(100kHz-3GHz)	HP	8347A	GTS204	April 22, 2022	April 21, 2023
13	Amplifier (18-26GHz)	Rohde & Schwarz	AFS33-18002 650-30-8P-44	GTS218	June 23, 2022	June 22, 2023
14	Band filter	Amindeon	82346	GTS219	June 23, 2022	June 22, 2023
15	Power Meter	Anritsu	ML2495A	GTS540	June 23, 2022	June 22, 2023
16	Power Sensor	Anritsu	MA2411B	GTS541	June 23, 2022	June 22, 2023
17	Wideband Radio Communication Tester	Rohde & Schwarz	CMW500	GTS575	April 22, 2022	April 21, 2023
18	Splitter	Agilent	11636B	GTS237	June 23, 2022	June 22, 2023
19	Loop Antenna	ZHINAN	ZN30900A	GTS534	Nov. 29, 2022	Nov. 28, 2023
20	Broadband Preamplifier	SCHWARZBECK	BBV9718	GTS535	April 22, 2022	April 21, 2023
21	Breitband hornantenna	SCHWARZBECK	BBHA 9170	GTS579	Oct. 16, 2022	Oct. 15, 2023
22	Amplifier	TDK	PA-02-02	GTS574	Oct. 16, 2022	Oct. 15, 2023
23	Amplifier	TDK	PA-02-03	GTS576	Oct. 16, 2022	Oct. 15, 2023
24	PSA Series Spectrum Analyzer	Rohde & Schwarz	FSP	GTS578	June 23, 2022	June 22, 2023
25	Amplifier(1GHz-26.5GHz)	HP	8449B	GTS601	April 22, 2022	April 21, 2023

Conducted Emission						
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)
1	Shielding Room	ZhongYu Electron	7.3(L)x3.1(W)x2.9(H)	GTS252	May 14, 2022	May 13, 2025
2	EMI Test Receiver	R&S	ESCI 7	GTS552	April 24, 2022	April 23, 2023
3	Coaxial Switch	ANRITSU CORP	MP59B	GTS225	June 23, 2022	June 22, 2023
4	ENV216 2-L-V-NETZNACHB.DE	ROHDE&SCHWARZ	ENV216	GTS226	April 22, 2022	April 21, 2023
5	Coaxial Cable	GTS	N/A	GTS227	N/A	N/A
6	EMI Test Software	AUDIX	E3	N/A	N/A	N/A
7	Thermo meter	JINCHUANG	GSP-8A	GTS639	April 28, 2022	April 27, 2023
8	Absorbing clamp	Elektronik-Feinmechanik	MDS21	GTS229	April 14, 2023	April 13, 2024
9	ISN	SCHWARZBECK	NTFM 8158	GTS565	April 22, 2022	April 21, 2023
10	High voltage probe	SCHWARZBECK	TK9420	GTS537	April 22, 2022	April 21, 2023

General used equipment:						
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)
1	Humidity/ Temperature Indicator	KTJ	TA328	GTS243	April 25, 2022	April 24, 2023
2	Barometer	KUMAO	SF132	GTS647	July 26, 2022	July 25, 2023

7 Test Results and Measurement Data

7.1 Radiated Emission

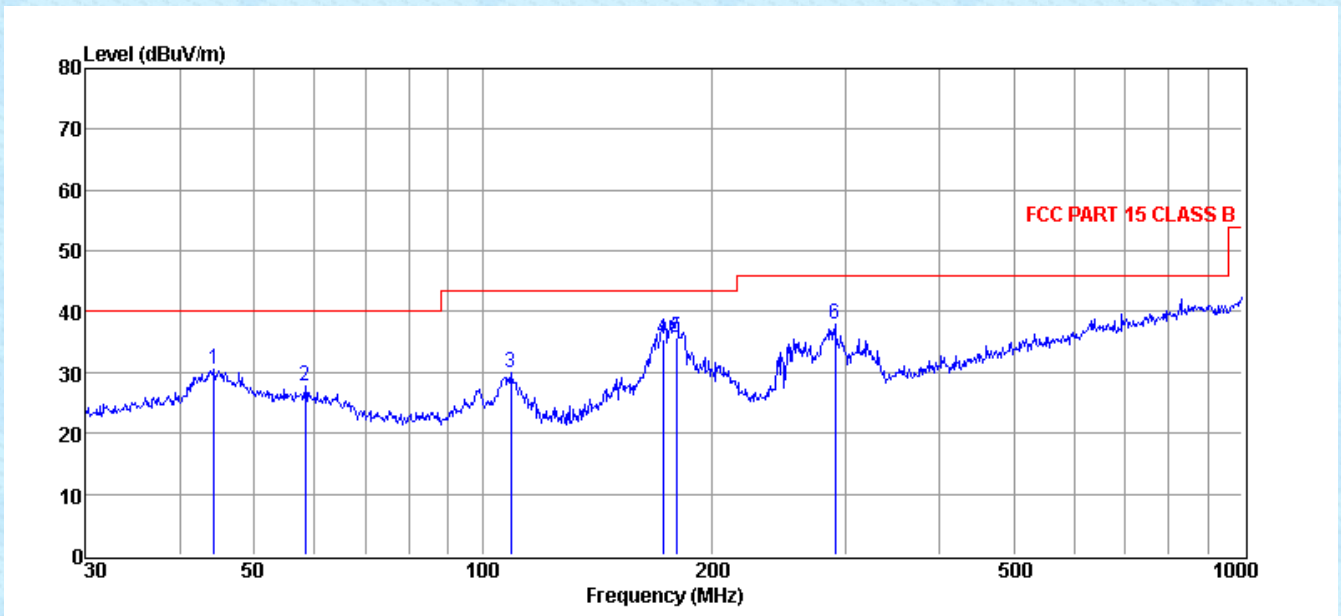
Test Requirement:	FCC Part15 B Section 15.109															
Test Method:	ANSI C63.4:2014															
Test Frequency Range:	30MHz to 1GHz															
Test site:	Measurement Distance: 3m (Semi-Anechoic Chamber)															
Receiver setup:	<table border="1"> <thead> <tr> <th>Frequency</th> <th>Detector</th> <th>RBW</th> <th>VBW</th> <th>Value</th> </tr> </thead> <tbody> <tr> <td>30MHz-1GHz</td> <td>Quasi-peak</td> <td>120kHz</td> <td>300kHz</td> <td>Quasi-peak</td> </tr> </tbody> </table>	Frequency	Detector	RBW	VBW	Value	30MHz-1GHz	Quasi-peak	120kHz	300kHz	Quasi-peak					
Frequency	Detector	RBW	VBW	Value												
30MHz-1GHz	Quasi-peak	120kHz	300kHz	Quasi-peak												
Limit:	<table border="1"> <thead> <tr> <th>Frequency</th> <th>Limit (dBμV/m @3m)</th> <th>Value</th> </tr> </thead> <tbody> <tr> <td>30MHz-88MHz</td> <td>40.00</td> <td>Quasi-peak</td> </tr> <tr> <td>88MHz-216MHz</td> <td>43.50</td> <td>Quasi-peak</td> </tr> <tr> <td>216MHz-960MHz</td> <td>46.00</td> <td>Quasi-peak</td> </tr> <tr> <td>960MHz-1GHz</td> <td>54.00</td> <td>Quasi-peak</td> </tr> </tbody> </table>	Frequency	Limit (dB μ V/m @3m)	Value	30MHz-88MHz	40.00	Quasi-peak	88MHz-216MHz	43.50	Quasi-peak	216MHz-960MHz	46.00	Quasi-peak	960MHz-1GHz	54.00	Quasi-peak
Frequency	Limit (dB μ V/m @3m)	Value														
30MHz-88MHz	40.00	Quasi-peak														
88MHz-216MHz	43.50	Quasi-peak														
216MHz-960MHz	46.00	Quasi-peak														
960MHz-1GHz	54.00	Quasi-peak														
Test setup:																
Test Procedure:	<ol style="list-style-type: none"> 1. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation. 2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. 3. 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. 4. 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 rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading. 5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. 6. 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.
Test environment:	Temp.: 25 °C Humid.: 52% Press.: 1 012mbar
Test Instruments:	Refer to section 6 for details
Test mode:	Refer to section 5.2 for details and only show the worst case.
Test results:	Pass

Measurement Data

120Vac
MAX

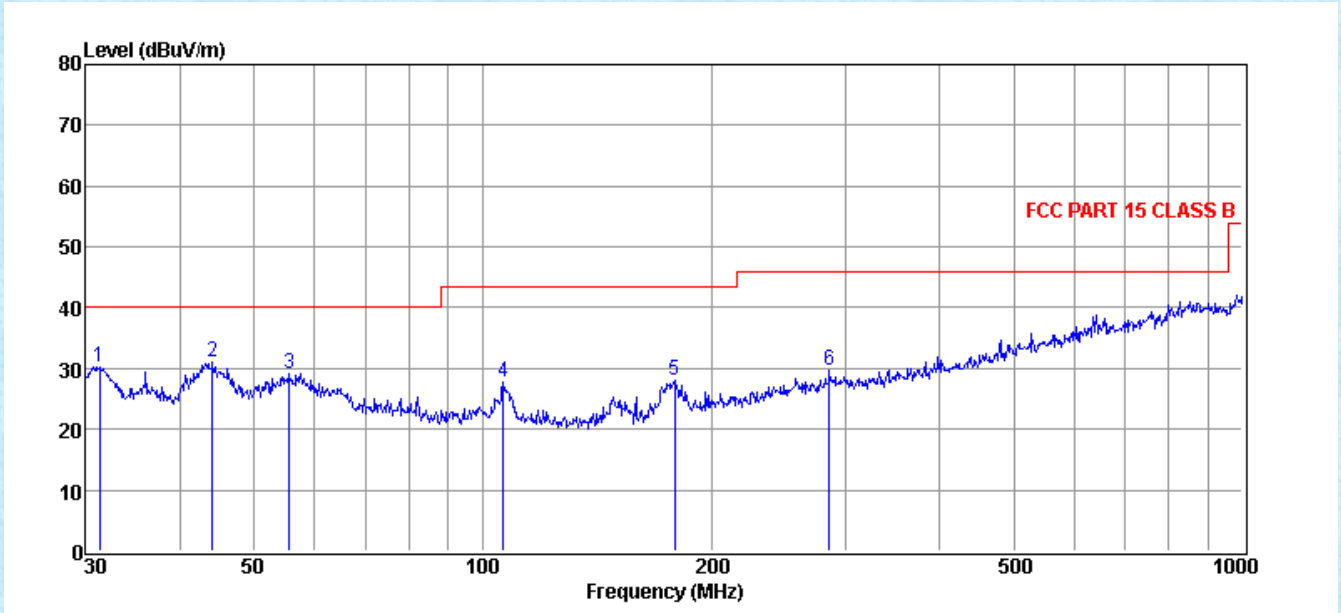
Test mode:	Operation mode	Antenna Polarity:	Horizontal
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Quasi-peak measurement:

Item (Mark)	Freq (MHz)	Read Level (dB μ V)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dB μ V/m)	Limit Line (dB μ V/m)	Over Limit (dB)	Detector
1	44.28	13.14	16.77	0.00	0.68	30.59	40.00	-9.41	Peak
2	58.41	14.41	12.54	0.00	0.80	27.75	40.00	-12.25	Peak
3	109.03	16.66	12.18	0.00	1.08	29.92	43.50	-13.58	Peak
4	172.60	23.47	10.58	0.00	1.42	35.47	43.50	-8.03	QP
5	180.02	24.86	9.40	0.00	1.37	35.63	43.50	-7.87	QP
6	291.04	22.18	13.65	0.00	2.07	37.90	46.00	-8.10	Peak

Test mode:	Operation mode	Antenna Polarity:	Vertical
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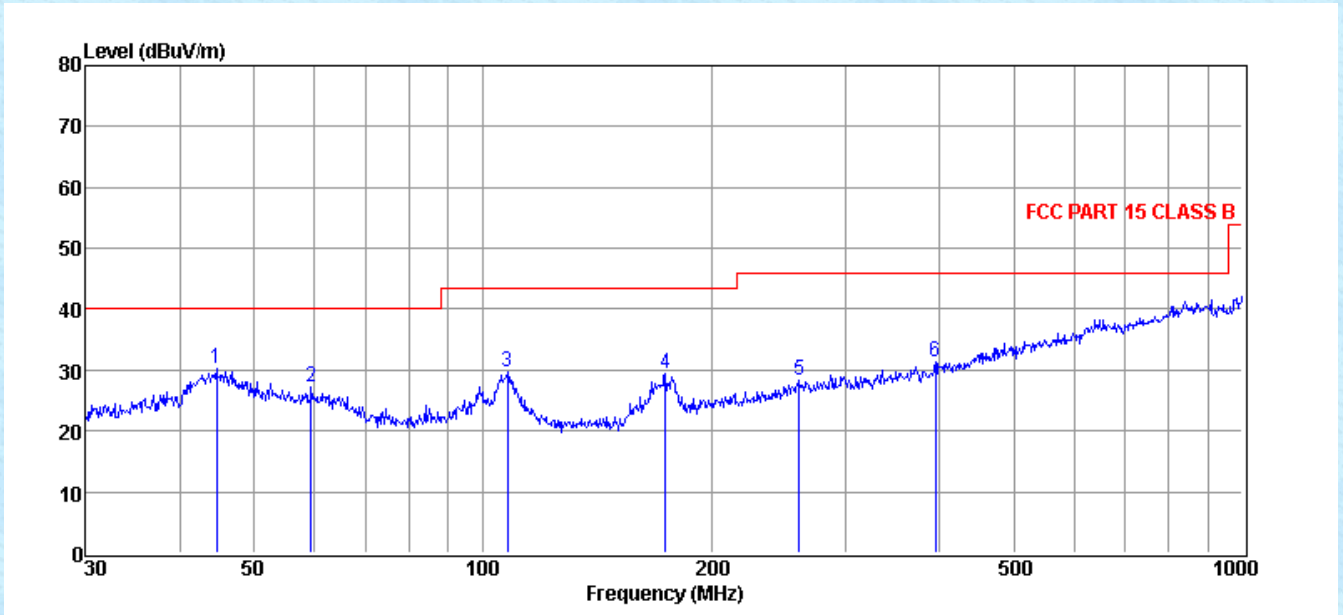


Quasi-peak measurement:

Item (Mark)	Freq (MHz)	Read Level (dB μ V)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dB μ V/m)	Limit Line (dB μ V/m)	Over Limit (dB)	Detector
1	31.29	19.01	10.82	0.00	0.48	30.31	40.00	-9.69	Peak
2	44.12	13.43	16.84	0.00	0.68	30.95	40.00	-9.05	Peak
3	55.61	14.22	14.34	0.00	0.68	29.24	40.00	-10.76	Peak
4	106.39	17.77	9.07	0.00	0.90	27.74	43.50	-15.76	Peak
5	178.76	17.26	9.30	0.00	1.38	27.94	43.50	-15.56	Peak
6	285.98	14.05	13.52	0.00	2.05	29.62	46.00	-16.38	Peak

120Vac
MIN

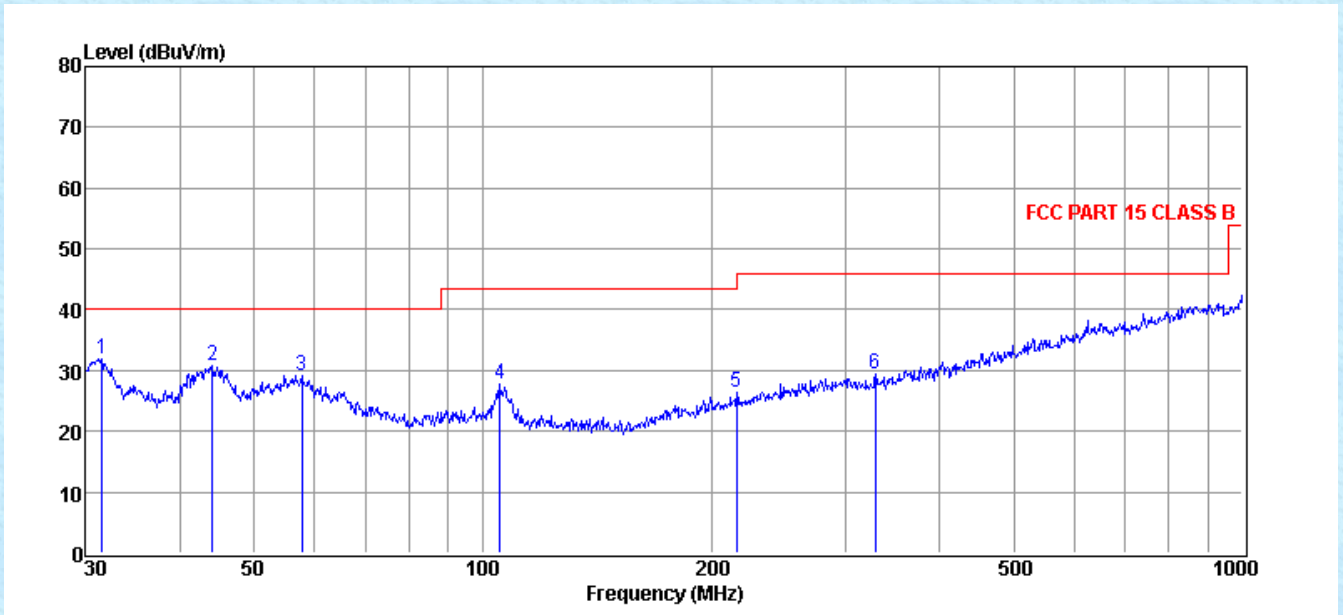
Test mode:	Operation mode	Antenna Polarity:	Horizontal
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Quasi-peak measurement:

Item (Mark)	Freq (MHz)	Read Level (dB μ V)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dB μ V/m)	Limit Line (dB μ V/m)	Over Limit (dB)	Detector
1	44.59	12.84	16.63	0.00	0.67	30.14	40.00	-9.86	Peak
2	59.44	13.77	12.64	0.00	0.68	27.09	40.00	-12.91	Peak
3	107.89	16.81	11.80	0.00	1.00	29.61	43.50	-13.89	Peak
4	173.81	17.53	10.39	0.00	1.41	29.33	43.50	-14.17	Peak
5	261.06	13.27	13.02	0.00	1.98	28.27	46.00	-17.73	Peak
6	394.86	12.95	15.79	0.00	2.70	31.44	46.00	-14.56	Peak

Test mode:	Operation mode	Antenna Polarity:	Vertical
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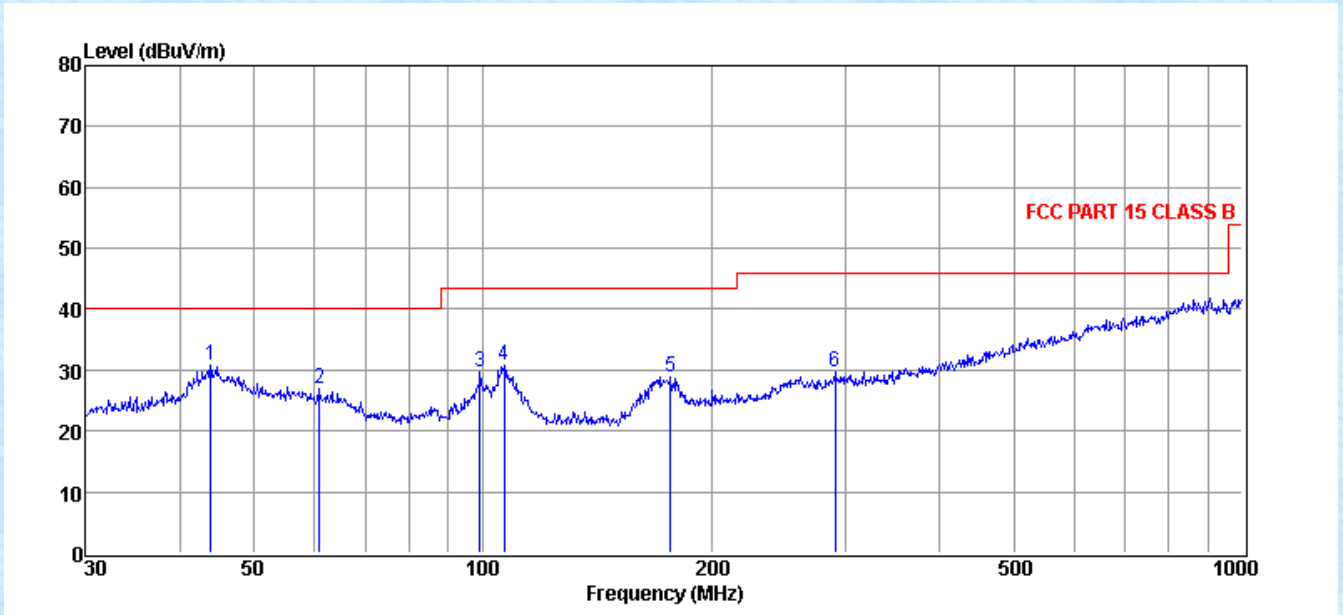


Quasi-peak measurement:

Item (Mark)	Freq (MHz)	Read Level (dB μ V)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dB μ V/m)	Limit Line (dB μ V/m)	Over Limit (dB)	Detector
1	31.51	20.50	10.88	0.00	0.48	31.86	40.00	-8.14	Peak
2	44.12	13.29	16.84	0.00	0.68	30.81	40.00	-9.19	Peak
3	57.80	14.35	14.04	0.00	0.83	29.22	40.00	-10.78	Peak
4	105.27	17.73	9.09	0.00	0.83	27.65	43.50	-15.85	Peak
5	216.02	13.51	11.24	0.00	1.70	26.45	46.00	-19.55	Peak
6	329.04	12.60	14.38	0.00	2.34	29.32	46.00	-16.68	Peak

277Vac
MAX

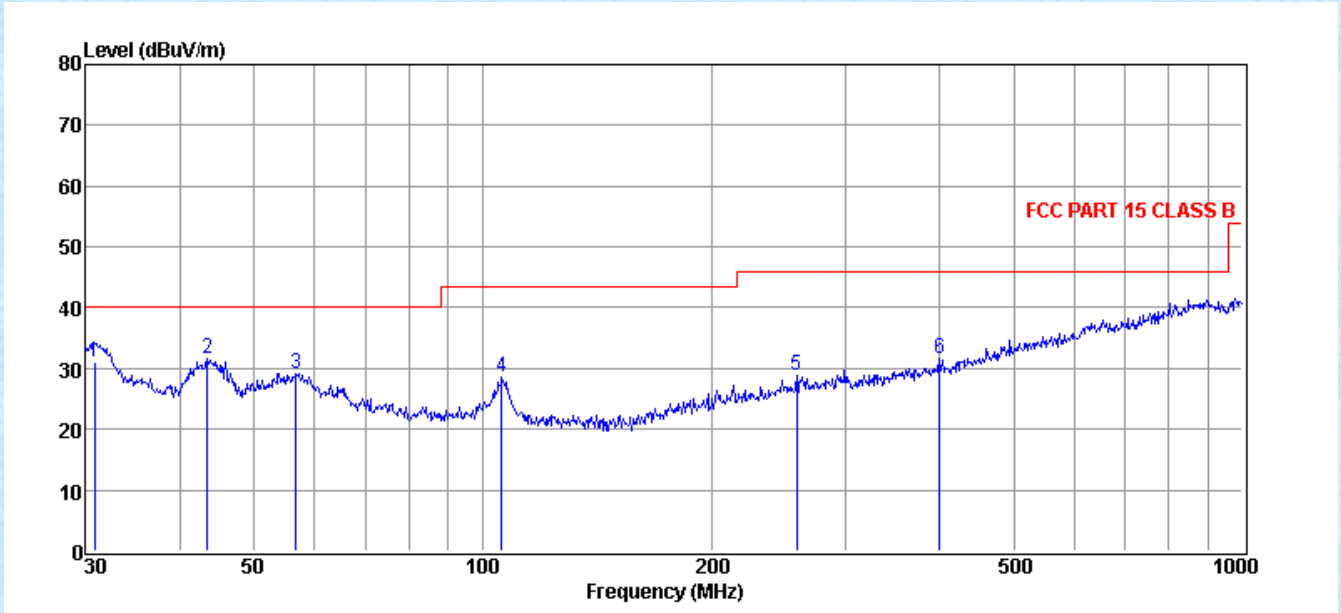
Test mode:	Operation mode	Antenna Polarity:	Horizontal
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Quasi-peak measurement:

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector
1	43.81	13.37	16.78	0.00	0.68	30.83	40.00	-9.17	Peak
2	60.92	13.92	12.48	0.00	0.62	27.02	40.00	-12.98	Peak
3	99.18	17.81	11.00	0.00	0.83	29.64	43.50	-13.86	Peak
4	106.76	18.32	11.43	0.00	0.93	30.68	43.50	-12.82	Peak
5	176.89	17.49	9.90	0.00	1.39	28.78	43.50	-14.72	Peak
6	291.04	14.09	13.65	0.00	2.07	29.81	46.00	-16.19	Peak

Test mode:	Operation mode	Antenna Polarity:	Vertical
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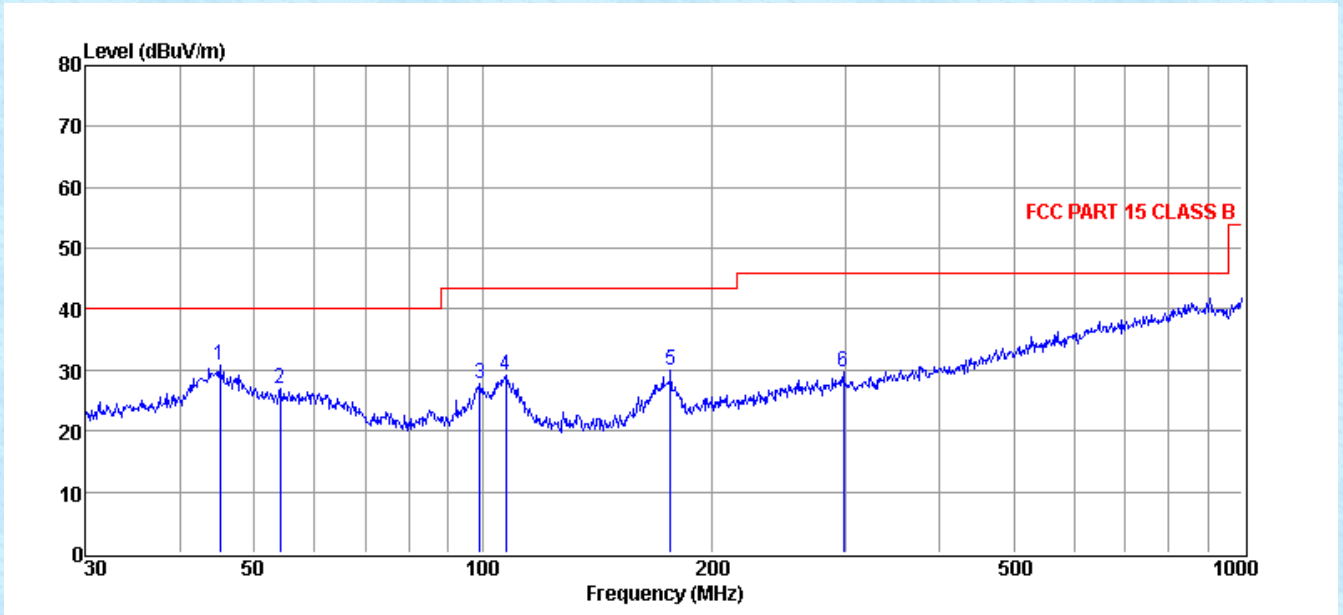


Quasi-peak measurement:

Item (Mark)	Freq (MHz)	Read Level (dB μ V)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dB μ V/m)	Limit Line (dB μ V/m)	Over Limit (dB)	Detector
1	30.85	20.00	10.71	0.00	0.48	31.19	40.00	-8.81	QP
2	43.35	14.55	16.49	0.00	0.66	31.70	40.00	-8.30	Peak
3	56.79	14.24	14.22	0.00	0.74	29.20	40.00	-10.80	Peak
4	106.01	18.52	9.08	0.00	0.88	28.48	43.50	-15.02	Peak
5	259.23	13.90	12.97	0.00	1.98	28.85	46.00	-17.15	Peak
6	399.03	12.60	16.12	0.00	2.78	31.50	46.00	-14.50	Peak

277Vac
MIN

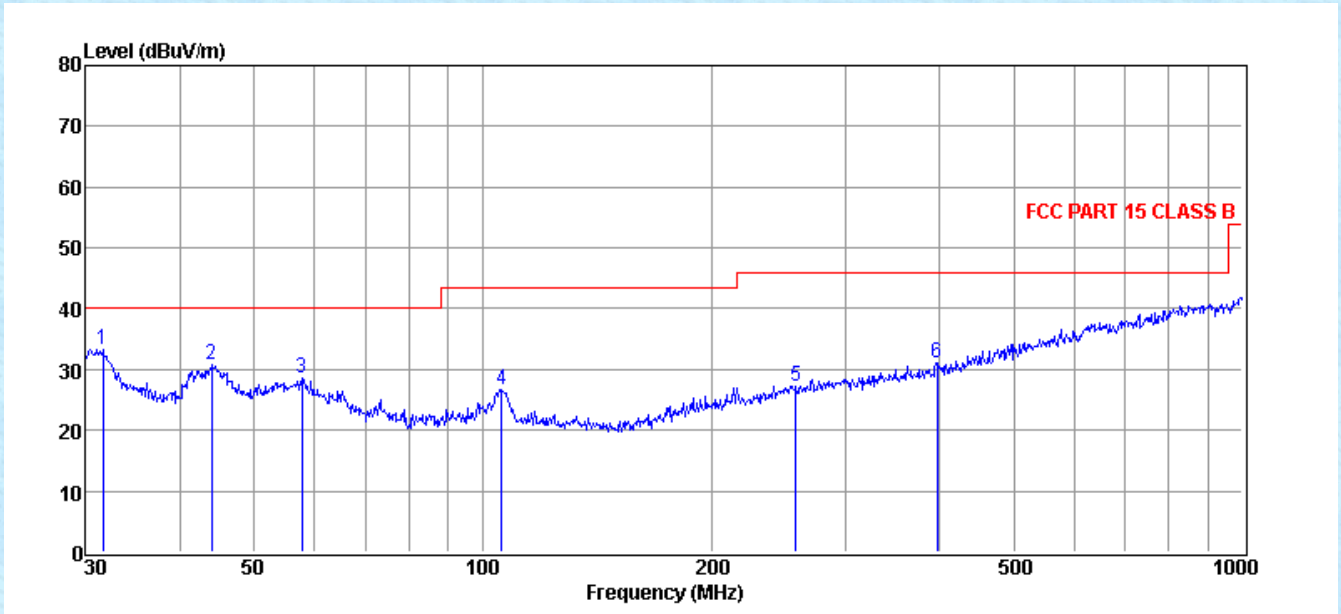
Test mode:	Operation mode	Antenna Polarity:	Horizontal
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Quasi-peak measurement:

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector
1	45.06	13.73	16.41	0.00	0.66	30.80	40.00	-9.20	Peak
2	54.07	13.12	12.99	0.00	0.71	26.82	40.00	-13.18	Peak
3	99.18	15.81	11.00	0.00	0.83	27.64	43.50	-15.86	Peak
4	107.13	16.52	11.55	0.00	0.95	29.02	43.50	-14.48	Peak
5	176.89	18.81	9.90	0.00	1.39	30.10	43.50	-13.40	Peak
6	298.27	13.51	14.01	0.00	2.09	29.61	46.00	-16.39	Peak

Test mode:	Operation mode	Antenna Polarity:	Vertical
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Quasi-peak measurement:

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector
1	31.62	21.94	10.91	0.00	0.48	33.33	40.00	-6.67	Peak
2	43.97	13.29	16.88	0.00	0.68	30.85	40.00	-9.15	Peak
3	57.80	13.62	14.04	0.00	0.83	28.49	40.00	-11.51	Peak
4	106.01	16.75	9.08	0.00	0.88	26.71	43.50	-16.79	Peak
5	258.33	12.37	12.93	0.00	1.98	27.28	46.00	-18.72	Peak
6	396.24	12.54	15.90	0.00	2.72	31.16	46.00	-14.84	Peak

Note:

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

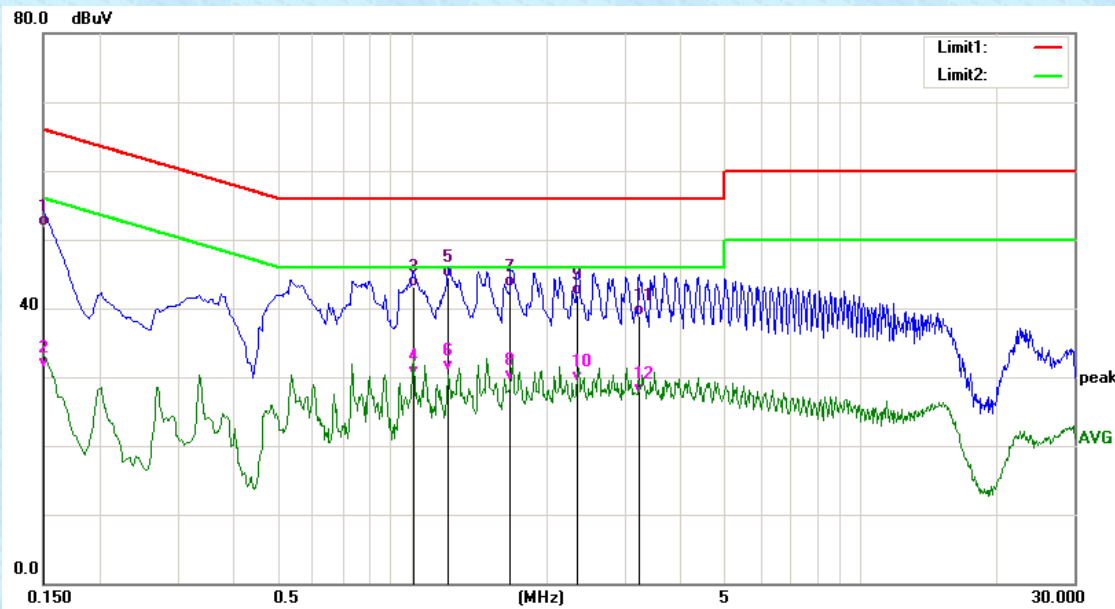
7.2 Conducted Emissions

Test Requirement:	FCC Part15 B Section 15.107														
Test Method:	ANSI C63.4:2014														
Test Frequency Range:	150kHz to 30MHz														
Class / Severity:	Class B														
Receiver setup:	RBW=9kHz, VBW=30kHz														
Limit:	<table border="1"> <thead> <tr> <th rowspan="2">Frequency range (MHz)</th> <th colspan="2">Limit (dBμV)</th> </tr> <tr> <th>Quasi-peak</th> <th>Average</th> </tr> </thead> <tbody> <tr> <td>0.15-0.5</td> <td>66 to 56*</td> <td>56 to 46*</td> </tr> <tr> <td>0.5-5</td> <td>56</td> <td>46</td> </tr> <tr> <td>5-30</td> <td>60</td> <td>50</td> </tr> </tbody> </table> <p>* Decreases with the logarithm of the frequency.</p>	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
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													
Test setup:	<p><i>Remark</i> E.U.T: Equipment Under Test LISN: Line Impedance Stabilization Network Test table height=0.8m</p>														
Test procedure	<ol style="list-style-type: none"> 1. The E.U.T and simulators are connected to the main power through a line impedance stabilization network(L.I.S.N.). The provide 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 refers 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 C63.4: 2014 on conducted measurement. 														
Test environment:	Temp.: 25 °C Humid.: 52% Press.: 1 012mbar														
Test Instruments:	Refer to section 6 for details														
Test mode:	Refer to section 5.2 for details and only show the worst case.														
Test results:	Pass														

Measurement Data

120Vac
MAX

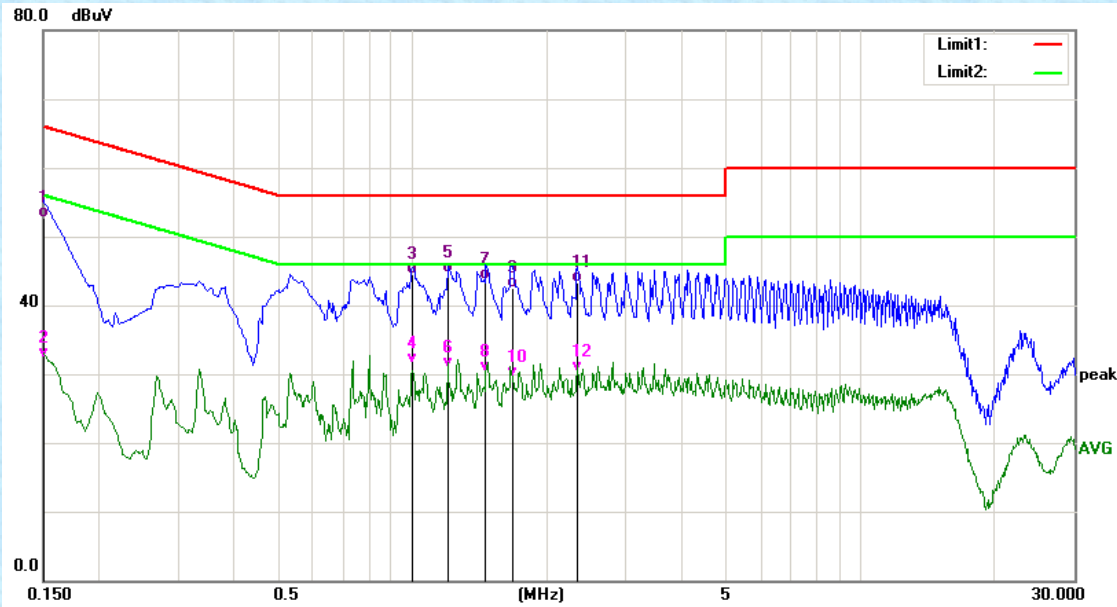
Test mode:	Operation mode	Phase Polarity:	Line
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Quasi-peak and Average measurement:

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1500	42.10	9.73	51.83	66.00	-14.17	QP
2	0.1500	21.53	9.73	31.26	56.00	-24.74	AVG
3	1.0060	32.89	10.22	43.11	56.00	-12.89	QP
4	1.0060	19.96	10.22	30.18	46.00	-15.82	AVG
5	1.2020	34.38	10.18	44.56	56.00	-11.44	QP
6	1.2020	20.70	10.18	30.88	46.00	-15.12	AVG
7	1.6620	33.05	10.09	43.14	56.00	-12.86	QP
8	1.6620	19.37	10.09	29.46	46.00	-16.54	AVG
9	2.3420	31.77	10.11	41.88	56.00	-14.12	QP
10	2.3420	19.27	10.11	29.38	46.00	-16.62	AVG
11	3.2180	28.53	10.32	38.85	56.00	-17.15	QP
12	3.2180	17.17	10.32	27.49	46.00	-18.51	AVG

Test mode:	Operation mode	Phase Polarity:	Neutral
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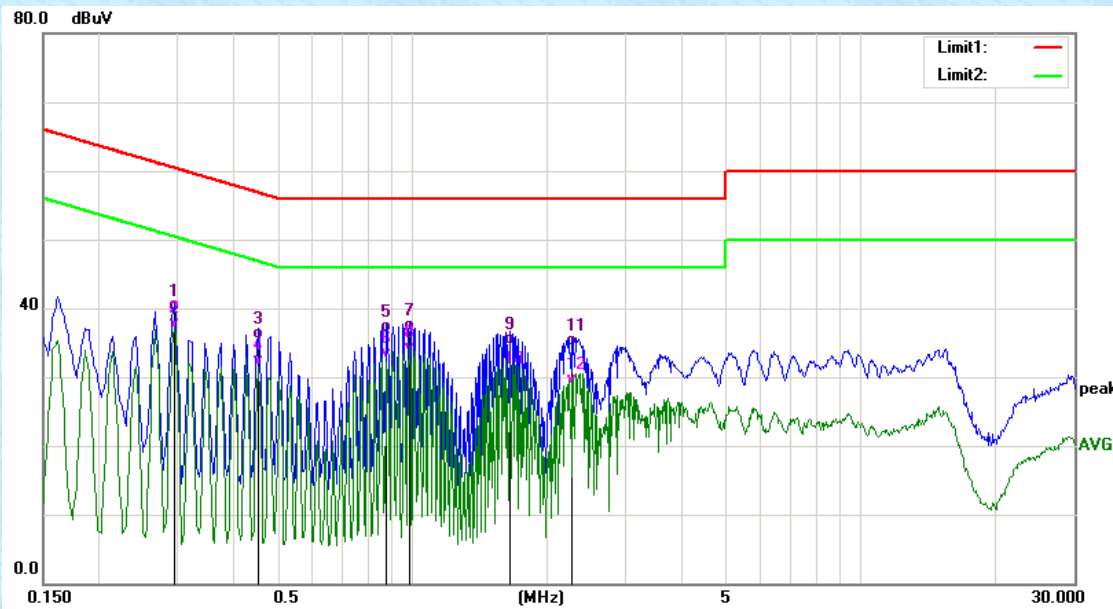


Quasi-peak and Average measurement:

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1500	43.00	9.73	52.73	66.00	-13.27	QP
2	0.1500	22.64	9.73	32.37	56.00	-23.63	AVG
3	1.0020	34.20	10.22	44.42	56.00	-11.58	QP
4	1.0020	21.23	10.22	31.45	46.00	-14.55	AVG
5	1.2020	34.45	10.18	44.63	56.00	-11.37	QP
6	1.2020	20.73	10.18	30.91	46.00	-15.09	AVG
7	1.4620	33.59	10.13	43.72	56.00	-12.28	QP
8	1.4620	20.15	10.13	30.28	46.00	-15.72	AVG
9	1.6740	32.44	10.09	42.53	56.00	-13.47	QP
10	1.6740	19.51	10.09	29.60	46.00	-16.40	AVG
11	2.3340	33.15	10.11	43.26	56.00	-12.74	QP
12	2.3340	20.15	10.11	30.26	46.00	-15.74	AVG

120Vac
MIN

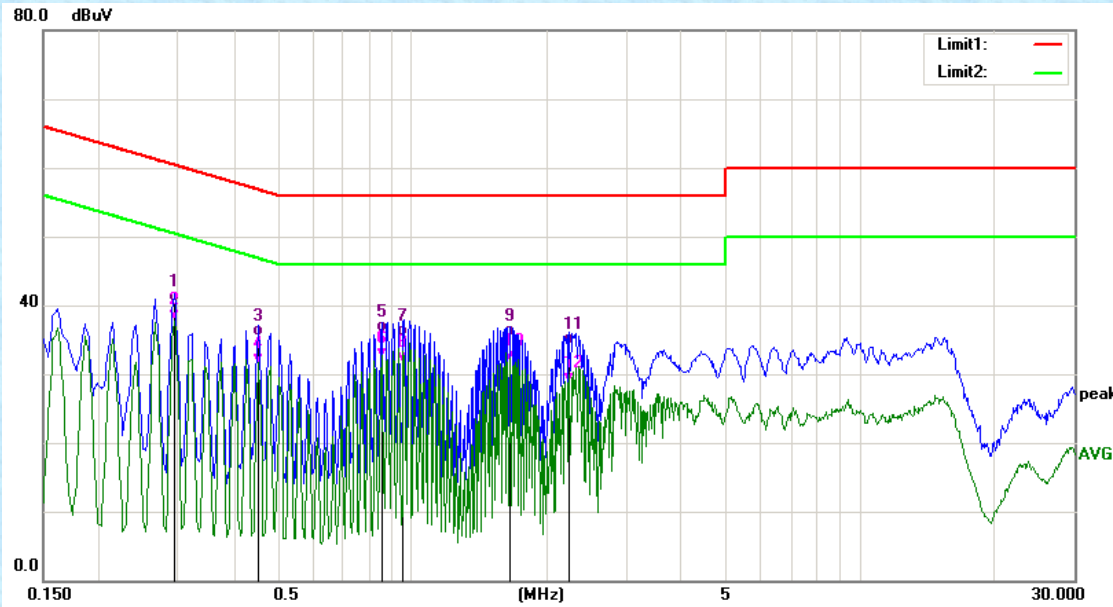
Test mode:	Operation mode	Phase Polarity:	Line
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Quasi-peak and Average measurement:

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.2940	29.63	9.90	39.53	60.41	-20.88	QP
2	0.2940	27.24	9.90	37.14	50.41	-13.27	AVG
3	0.4540	25.38	10.08	35.46	56.80	-21.34	QP
4	0.4540	21.57	10.08	31.65	46.80	-15.15	AVG
5	0.8780	26.33	10.20	36.53	56.00	-19.47	QP
6	0.8780	22.54	10.20	32.74	46.00	-13.26	AVG
7	0.9860	26.41	10.22	36.63	56.00	-19.37	QP
8	0.9860	23.32	10.22	33.54	46.00	-12.46	AVG
9	1.6540	24.56	10.10	34.66	56.00	-21.34	QP
10	1.6540	19.60	10.10	29.70	46.00	-16.30	AVG
11	2.2660	24.35	10.09	34.44	56.00	-21.56	QP
12	2.2660	18.86	10.09	28.95	46.00	-17.05	AVG

Test mode:	Operation mode	Phase Polarity:	Neutral
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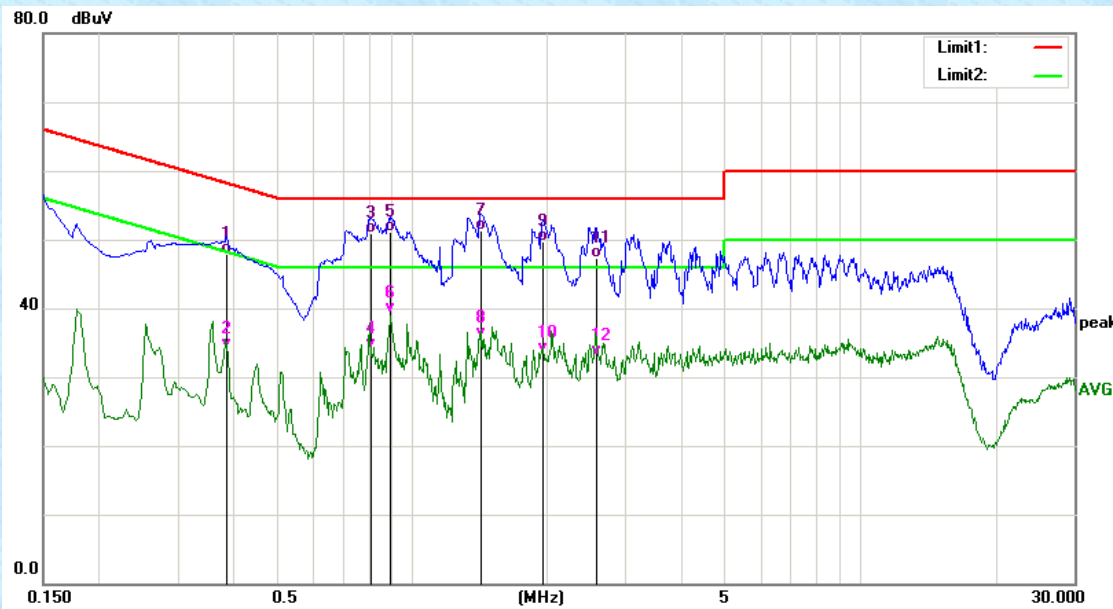


Quasi-peak and Average measurement:

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.2940	30.60	9.90	40.50	60.41	-19.91	QP
2	0.2940	27.97	9.90	37.87	50.41	-12.54	AVG
3	0.4540	25.40	10.08	35.48	56.80	-21.32	QP
4	0.4540	21.48	10.08	31.56	46.80	-15.24	AVG
5	0.8540	25.82	10.19	36.01	56.00	-19.99	QP
6	0.8540	22.04	10.19	32.23	46.00	-13.77	AVG
7	0.9620	25.36	10.21	35.57	56.00	-20.43	QP
8	0.9620	21.53	10.21	31.74	46.00	-14.26	AVG
9	1.6540	25.39	10.10	35.49	56.00	-20.51	QP
10	1.6540	21.90	10.10	32.00	46.00	-14.00	AVG
11	2.2420	24.21	10.09	34.30	56.00	-21.70	QP
12	2.2420	18.57	10.09	28.66	46.00	-17.34	AVG

277Vac
MAX

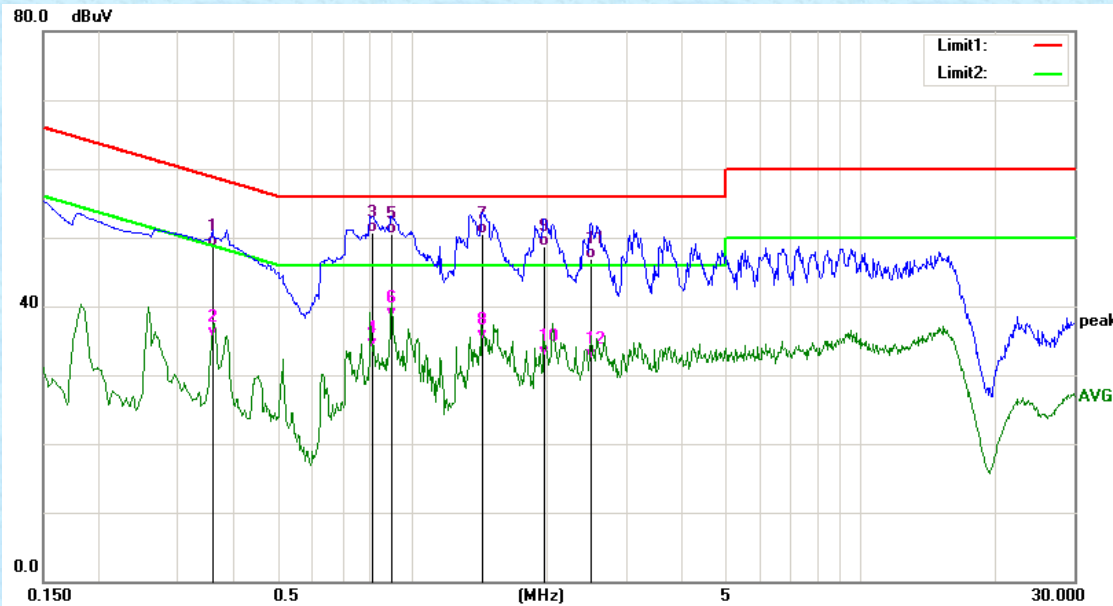
Test mode:	Operation mode	Phase Polarity:	Line
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Quasi-peak and Average measurement:

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.3860	37.88	10.03	47.91	58.15	-10.24	QP
2	0.3860	24.11	10.03	34.14	48.15	-14.01	AVG
3	0.8100	40.63	10.19	50.82	56.00	-5.18	QP
4	0.8100	23.93	10.19	34.12	46.00	-11.88	AVG
5	0.8940	40.85	10.20	51.05	56.00	-4.95	QP
6	0.8940	29.08	10.20	39.28	46.00	-6.72	AVG
7	1.4260	41.17	10.14	51.31	56.00	-4.69	QP
8	1.4260	25.55	10.14	35.69	46.00	-10.31	AVG
9	1.9580	39.70	10.04	49.74	56.00	-6.26	QP
10	1.9580	23.42	10.04	33.46	46.00	-12.54	AVG
11	2.5860	37.15	10.17	47.32	56.00	-8.68	QP
12	2.5860	22.89	10.17	33.06	46.00	-12.94	AVG

Test mode:	Operation mode	Phase Polarity:	Neutral
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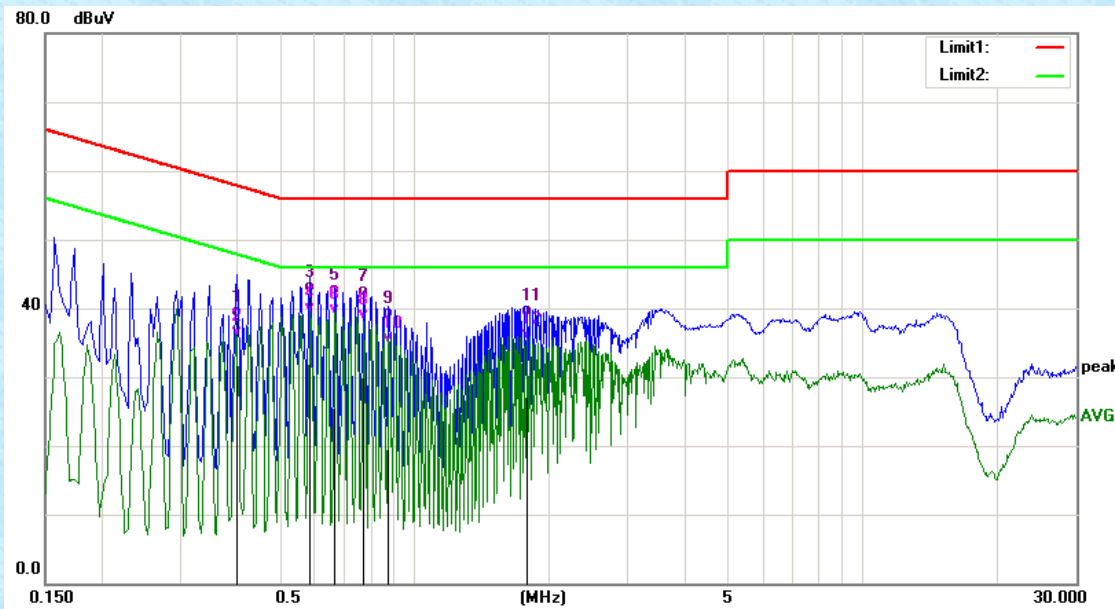


Quasi-peak and Average measurement:

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.3580	38.63	9.99	48.62	58.77	-10.15	QP
2	0.3580	25.60	9.99	35.59	48.77	-13.18	AVG
3	0.8140	40.47	10.19	50.66	56.00	-5.34	QP
4	0.8140	23.65	10.19	33.84	46.00	-12.16	AVG
5	0.9020	40.25	10.20	50.45	56.00	-5.55	QP
6	0.9020	28.06	10.20	38.26	46.00	-7.74	AVG
7	1.4340	40.45	10.14	50.59	56.00	-5.41	QP
8	1.4340	24.89	10.14	35.03	46.00	-10.97	AVG
9	1.9700	38.64	10.04	48.68	56.00	-7.32	QP
10	1.9700	22.61	10.04	32.65	46.00	-13.35	AVG
11	2.5060	36.77	10.15	46.92	56.00	-9.08	QP
12	2.5060	22.14	10.15	32.29	46.00	-13.71	AVG

277Vac
MIN

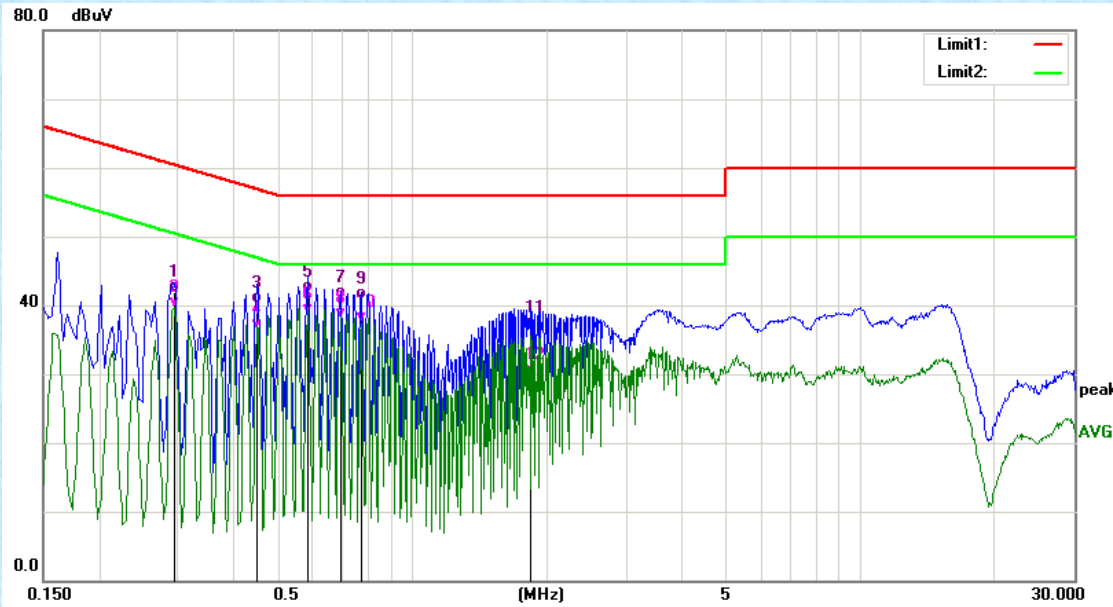
Test mode:	Operation mode	Phase Polarity:	Line
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Quasi-peak and Average measurement:

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.4020	28.73	10.05	38.78	57.81	-19.03	QP
2	0.4020	25.78	10.05	35.83	47.81	-11.98	AVG
3	0.5860	32.08	10.14	42.22	56.00	-13.78	QP
4	0.5860	29.10	10.14	39.24	46.00	-6.76	AVG
5	0.6660	31.74	10.16	41.90	56.00	-14.10	QP
6	0.6660	28.95	10.16	39.11	46.00	-6.89	AVG
7	0.7740	31.43	10.18	41.61	56.00	-14.39	QP
8	0.7740	28.10	10.18	38.28	46.00	-7.72	AVG
9	0.8780	28.34	10.20	38.54	56.00	-17.46	QP
10	0.8780	24.62	10.20	34.82	46.00	-11.18	AVG
11	1.7860	28.84	10.07	38.91	56.00	-17.09	QP
12	1.7860	25.47	10.07	35.54	46.00	-10.46	AVG

Test mode:	Operation mode	Phase Polarity:	Neutral
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Quasi-peak and Average measurement:

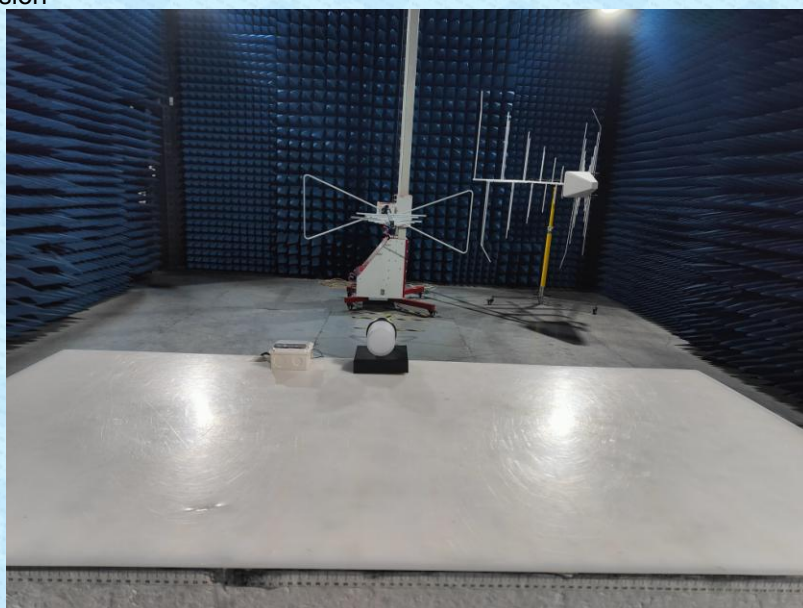
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.2940	32.04	9.90	41.94	60.41	-18.47	QP
2	0.2940	29.84	9.90	39.74	50.41	-10.67	AVG
3	0.4500	30.14	10.08	40.22	56.88	-16.66	QP
4	0.4500	26.34	10.08	36.42	46.88	-10.46	AVG
5	0.5860	31.71	10.14	41.85	56.00	-14.15	QP
6	0.5860	28.65	10.14	38.79	46.00	-7.21	AVG
7	0.6900	30.84	10.17	41.01	56.00	-14.99	QP
8	0.6900	27.97	10.17	38.14	46.00	-7.86	AVG
9	0.7700	30.69	10.18	40.87	56.00	-15.13	QP
10	0.7700	27.39	10.18	37.57	46.00	-8.43	AVG
11	1.8300	26.66	10.06	36.72	56.00	-19.28	QP
12	1.8300	19.85	10.06	29.91	46.00	-16.09	AVG

Notes:

1. The following Quasi-Peak and Average measurements were performed on the EUT:
2. Final Test Level = Receiver Reading + LISN Factor + Cable Loss.

8 Test Setup Photo

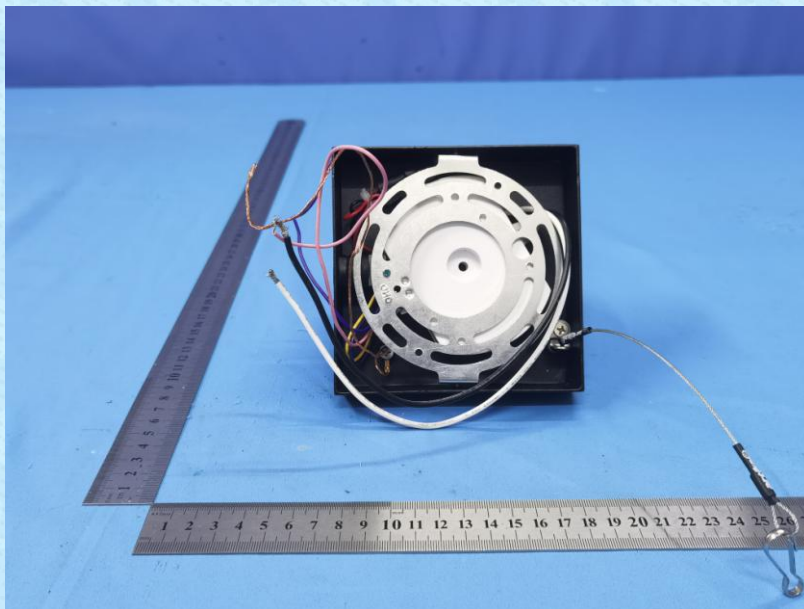
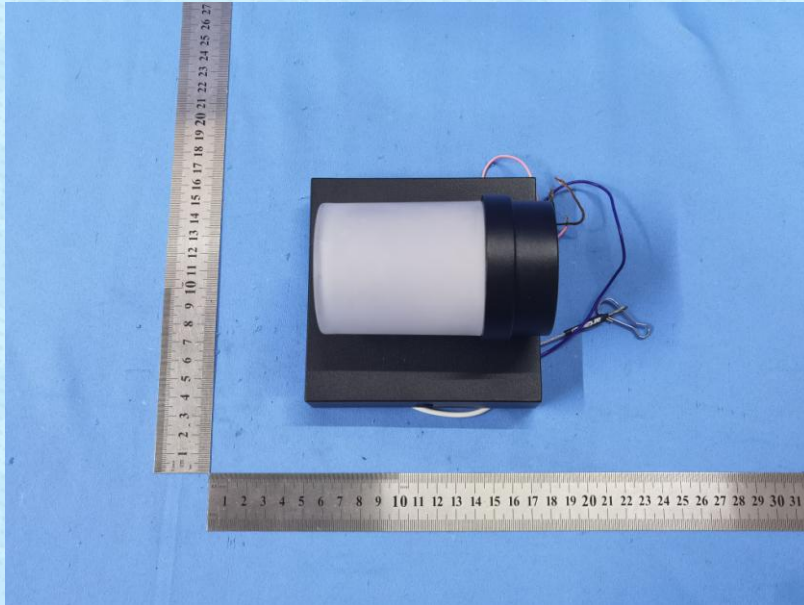
Radiated Emission

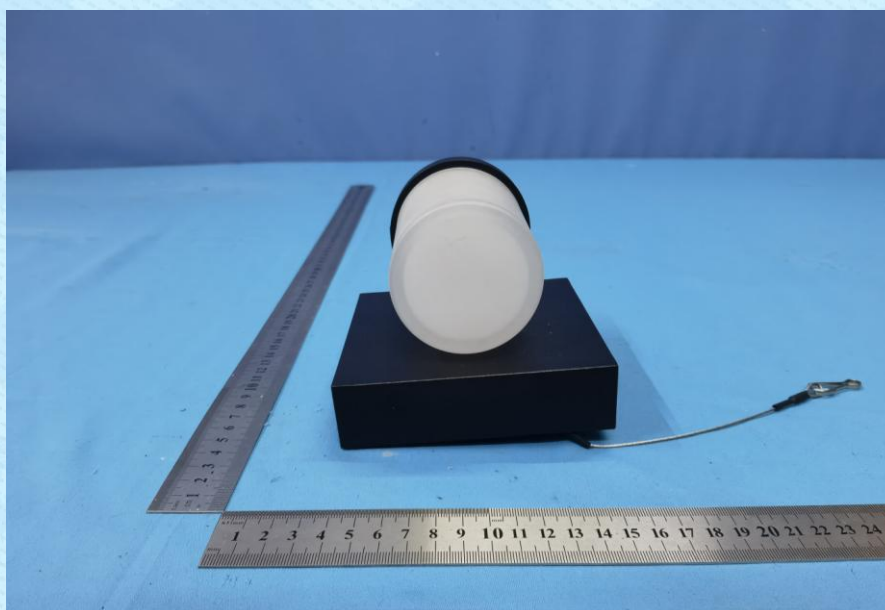
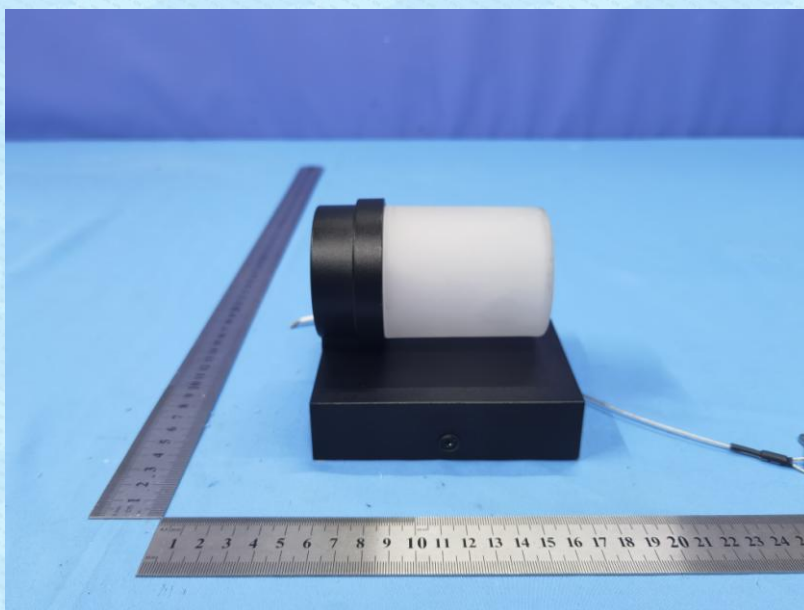


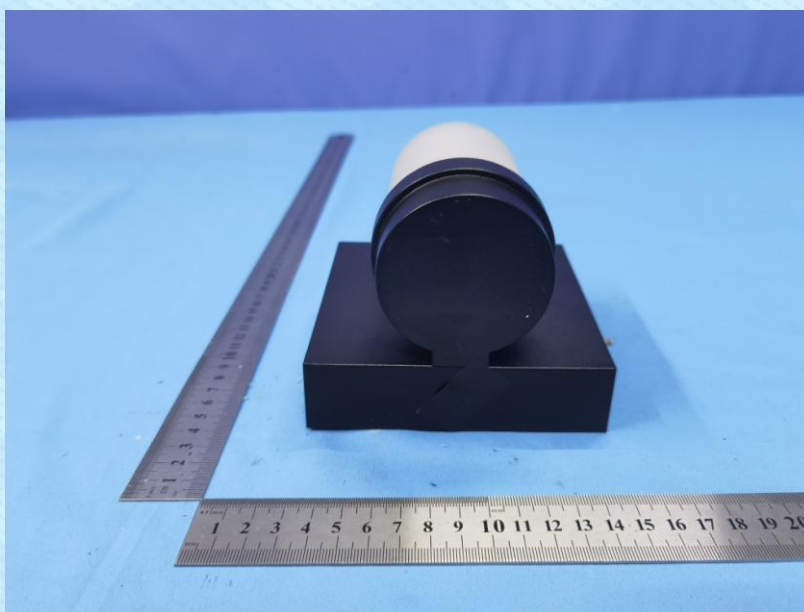
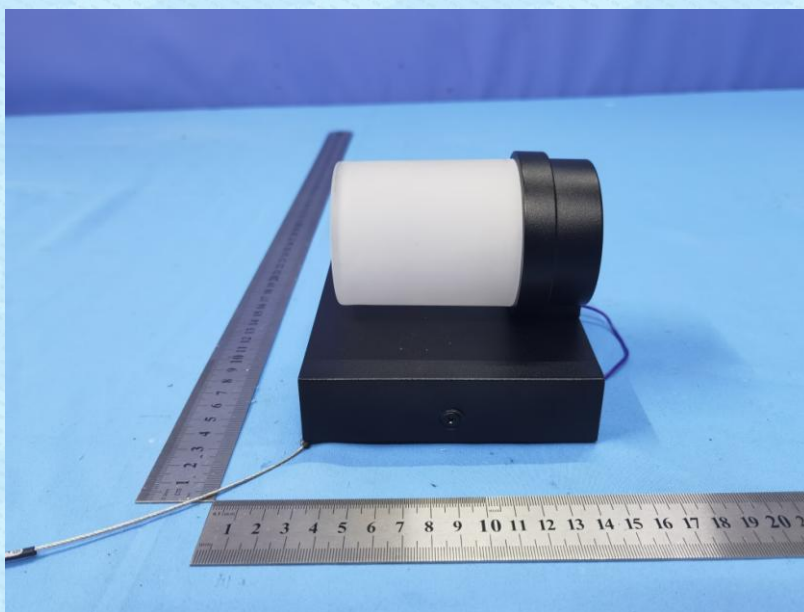
Conducted Emission



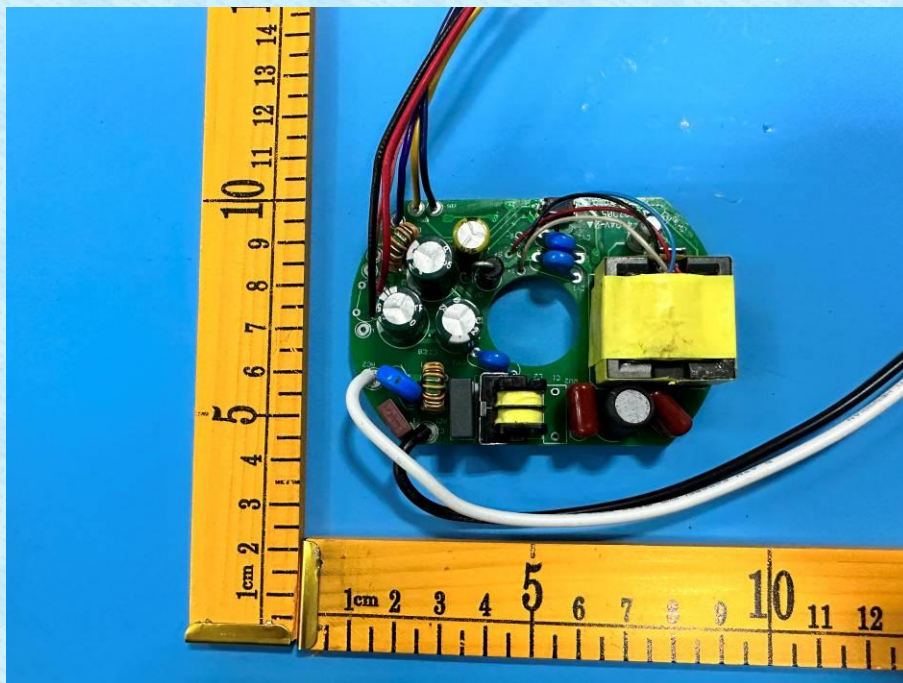
9 EUT Constructional Details

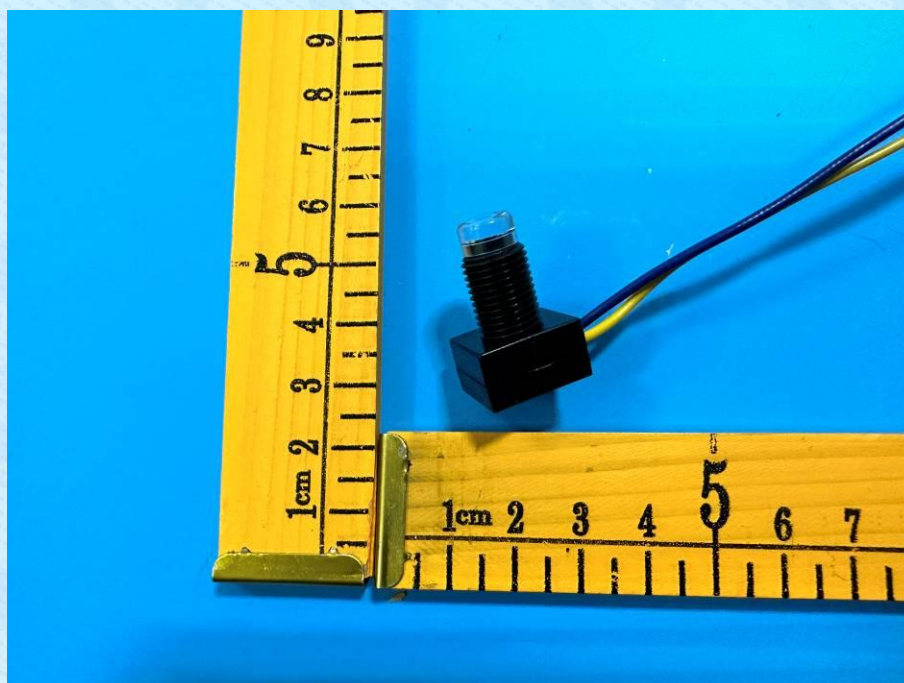
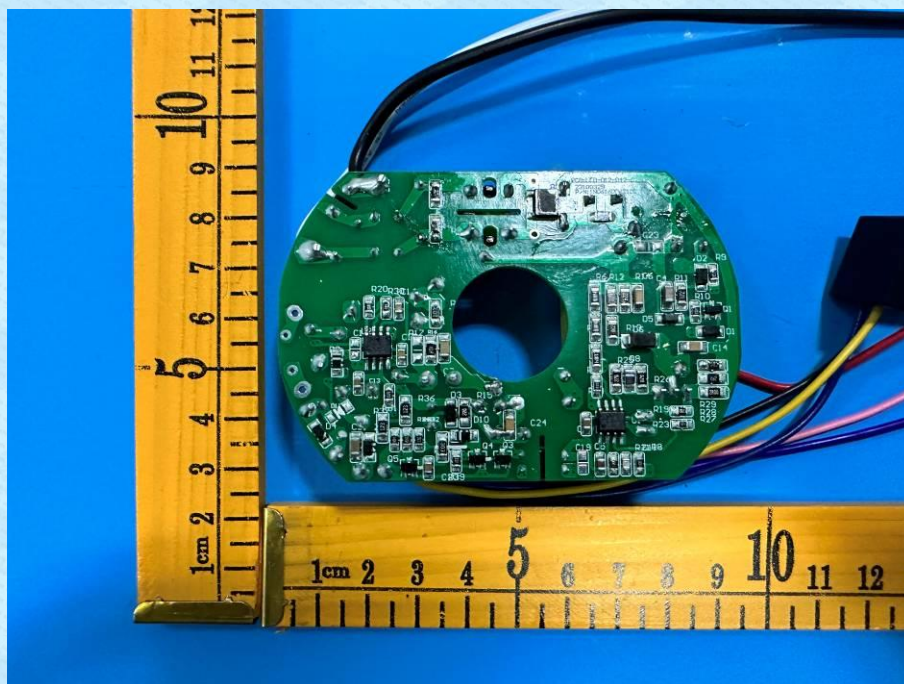












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