

Test Report Number:	LCZE19030015					
Applicant Name:	Energy Recovery Products(Zhu hai) Co.,Ltd					
Applicant Address:	No.8,Pingdong Road 2,Nanping Science Park, Zhuhai, Guangdong, China					
Test item:	LED Driver					
Model / Type Reference:	See section 4.2 ratings and system details					
Date of Issue:	2019-03-09					
Testing Laboratory:	LCTECH (Zhongshan) Testing Service Co.,Ltd 2/F.,Technology and Enterprise Development Center, Guangyuan Road, Xiaolan, Zhongshan, Guangdong, China					
Test Specification:	FCC PART 15 Subpart B:2017					
Test Result:	Passed					
Compiled by:			Reviewed by:			
2019-03-09	Alan		2019-03-09	Shona Chen		
<i>Date</i>	<i>Name</i>	<i>Signature</i>	<i>Date</i>	<i>Name</i>	<i>Signature</i>	
Remark:						
N/A						
<p>The duplication of this report or parts of it and its use for advertising purposes is only allowed with permission of the testing laboratory. This report contains the result of the examination of the product sample submitted by the applicant. A general statement concerning the quality of the products from the series manufacture cannot be derived therefore.</p>						



TEST SUMMARY

- 5.1 MAINS TERMINAL CONTINUOUS DISTURBANCE VOLTAGE
RESULT: Pass
- 5.2 RADIATED EMISSION
RESULT: Pass

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1 General Remarks

When applying the basic standards in this test report, please refer to the applied generic or product family standards for edition information:
For dated basic standards, only the edition cited applies. For undated basic standards, the latest edition (including any amendments) applies.

1.1 Complementary Materials

Constructional Data form

2 Measurement Uncertainty

Test Item	Uncertainty
Uncertainty for Conduction emission test	3.26dB
Uncertainty for Radiation Emission test	3.14 dB (Polarize: V)
	3.16 dB (Polarize: H)

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

3 Test Sites

3.1 Test Facilities

A. LCTECH (Zhongshan) Testing Service Co.,Ltd

Add: 2/F., Technology and Enterprise Development Center, Guangyuan Road, Xiaolan, Zhongshan, Guangdong, China

FCC Registration Number: 899311

Industry Canada site registration number: 12114A-1

3.2 Testing

Date of receipt of test item : 2019-03-07

Date (s) of performance of tests : 2018-03-08

LCTECH (Zhongshan) Testing Service Co.,Ltd
Add: 2/F., Technology and Enterprise Development Center,
Guangyuan Road, Xiaolan, Zhongshan, Guangdong, China

Tel: +86-760-22833366

Fax: +86-760-22833399

E-mail: Service@lccert.com

<http://www.lccert.com>

3.3 List of Test and Measurement Instruments

Table 1: List of Test and Measurement Equipment

Item	Test Equipment	Manufacturer	Model No.	Serial No.	Cal.Date (yyyy-mm-dd)	Cal.Due date (yyyy-mm-dd)
Radiated Emission						<input checked="" type="checkbox"/>
1	EMI Test Receiver	R&S	ESCI 7	100965	2018-08-27	2019-08-27
2	Log-periodic Dipole Antenna	Schwarzbeck	VULB 9162	058	2019-01-10	2020-01-10
3	Pre-Amplifier	SCHWARZBECK	BBV9743	9743-143	2019-01-10	2020-01-10
4	3m Semi-anechoic	Zhongshuo Electronics	9mx6mx6m	N/A	2019-01-10	2020-01-10
Disturbance Voltage						<input checked="" type="checkbox"/>
5	EMI Test Receiver	Rohde&Schwarz	ESCI	100939	2019-01-10	2020-01-10
6	Artificial Mains Network	Rohde&Schwarz	ENV216	3560655012	2018-08-27	2019-08-27
7	Shield Room	ZhongYu Eletron	8X5X3.5	N/A	2018-08-27	2019-08-27
8	Conducted Emission Software	FALA	EZ-EMC	N/A	N/A	N/A

☐ : Not Used

☒ : Used

4 General Product Information

According to the declaration from the applicant, this report covers the model as below: See section 4.2 ratings and system details. These models have the same internal configuration and PCB layout, the difference of these models was power, Therefore two model PHB50W-1200-42 and PHB50W-0850-56 were fully test in the report.

For model series PHBPPA-XXXX- VV-YYYYY-ZZZZZ and DHBPPA-XXXX- VV-YYYYY-ZZZZZ

1. "A" represents the input voltage, should be "W", representing input voltage 120-277 Vac;
2. "XXXX" represents output current, for example 1200 means 1200mA;
3. "VV" represents the output voltage, while "YYYYY" and "ZZZZZ" can be any alpha-numeric character or blank and are for marketing purpose only;
4. "PP" represents output power, can be "10" to "50", in increments of 1 from 10W to 50 W;
5. For any specific models, the maximum output current rating= output power/output voltage.

4.1 Product Description and Intended Use

Refer to Constructional Data Form and user manual.

4.2 Ratings and System Details

No.	Model No.	Input Voltage (Vac)	Max Output Power	Max output current(m A)	Output Voltage Range (Vdc)
1	PHBPPA-XXXX VV-YYYYY- ZZZZZ	120-277	50.4	1200	56
2	DHBPPA-XXXX VV-YYYYY- ZZZZZ	120-277	50.4	1200	56

4.3 Independent Operation Modes

The basic operation modes are:

- A. Test in lighting mode

4.4 Noise Generating and Noise Suppressing Parts

Refer to the Constructional Data Form

4.5 Submitted Documents

Difference declaration
Rating Label
Circuit diagram
User manual
PCB layout

4.6 Principle of Configuration Selection

Emission: The equipment under test (EUT) was configured to measure its highest possible radiation level. The test modes were adapted accordingly in reference to the instructions for use.

4.7 Physical Configuration for Testing

Refer to the related chapter in this test report.

4.8 Test Operation and Test Software

Refer to test set up in chapter 5.
All testing were performed according to the procedures in ANSI C63.10: 2013.

4.9 Special Accessories and Auxiliary Equipment

None

4.10 Countermeasures to achieve EMC Compliance

The test sample, which has been tested, contained the noise suppression parts as described in the Constructional Data Form or the Technical Construction File. No additional measures were employed to achieve compliance.

5 Test Results EMISSION

5.1 Conducted Emission

Results:

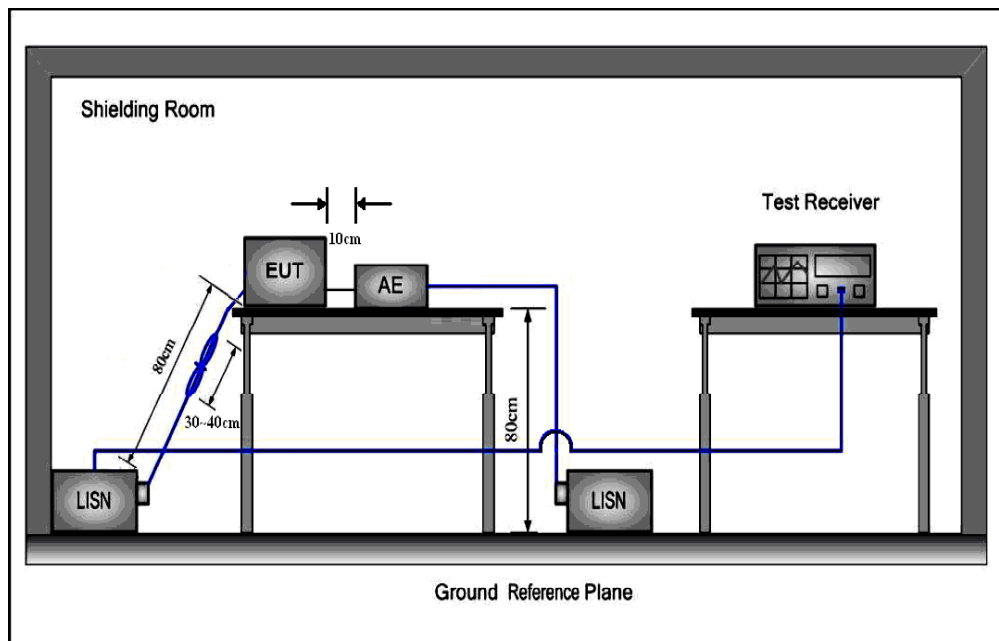
Pass

Date of testing : 08 March 2019
 Test procedure : ANSI C63.4:2014
 Frequency range : 0.15- 30MHz
 Kind of test site : shielded room
 Limits : FCC PART 15 Subpart B: 2017

Test setup

Input Voltage : 120&277Vac, 60Hz
 Operation Mode : Test in lighting mode
 Artificial Hand : Not applied
 Earthing : Applied
 Temperature : 24°C
 Humidity : 60%
 Air pressure : 101KPA

Test Connection Diagram



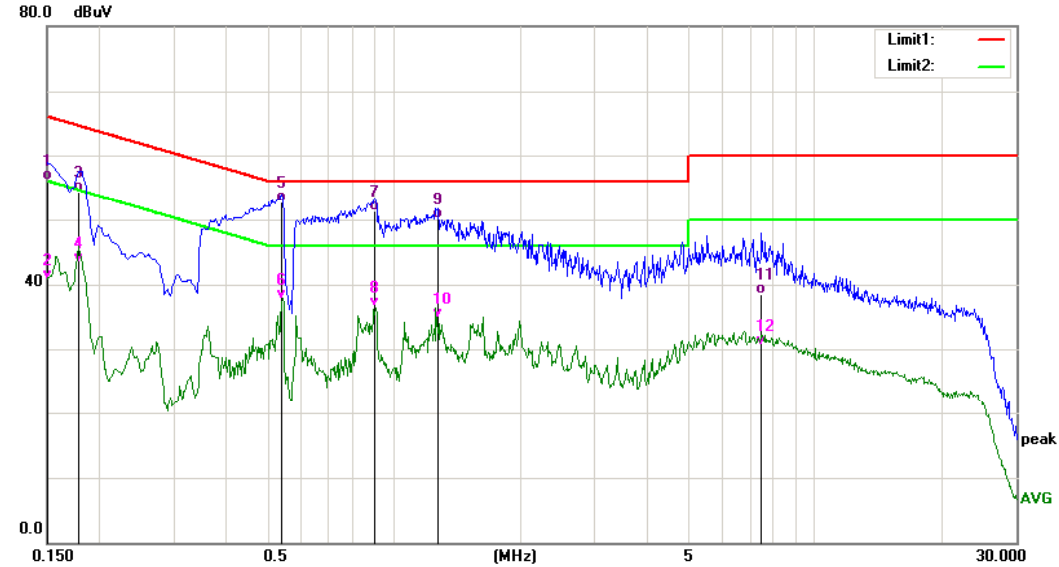
Test data

Model: PHB50W-1200-42

Test voltage: 120Vac, 60Hz

Peak and Average Scan:

Live:

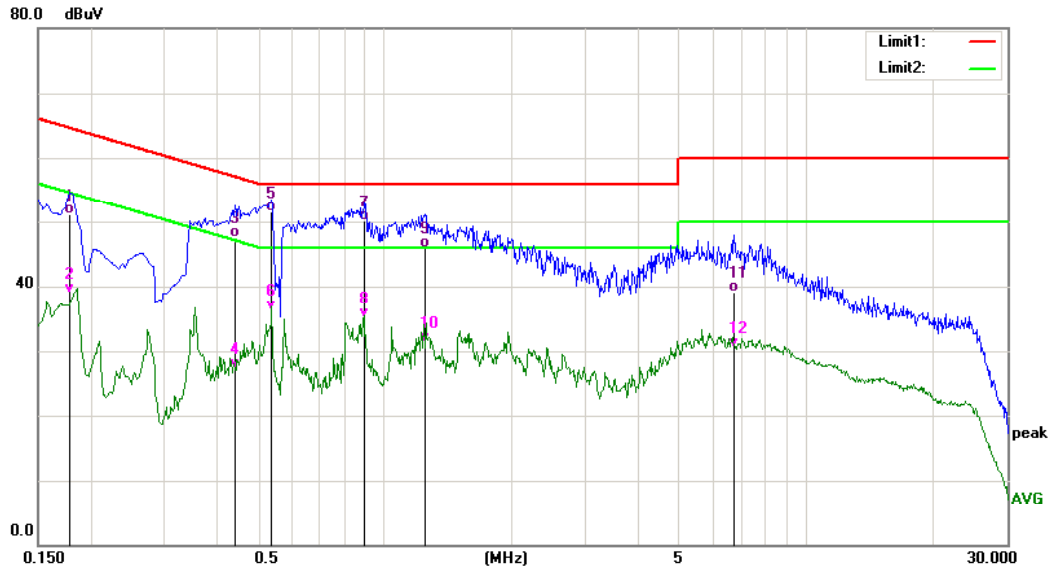


Quasi-peak and Average measurement:

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1500	46.40	9.65	56.05	66.00	-9.95	QP
2	0.1500	31.14	9.65	40.79	56.00	-15.21	AVG
3	0.1780	44.68	9.67	54.35	64.58	-10.23	QP
4	0.1780	33.60	9.67	43.27	54.58	-11.31	AVG
5	0.5420	42.90	9.71	52.61	56.00	-3.39	QP
6	0.5420	28.08	9.71	37.79	46.00	-8.21	AVG
7	0.9020	41.65	9.73	51.38	56.00	-4.62	QP
8	0.9020	26.87	9.73	36.60	46.00	-9.40	AVG
9	1.2700	40.22	9.81	50.03	56.00	-5.97	QP
10	1.2700	24.91	9.81	34.72	46.00	-11.28	AVG
11	7.4740	28.41	10.19	38.60	60.00	-21.40	QP
12	7.4740	20.38	10.19	30.57	50.00	-19.43	AVG

Peak and Average Scan:

Neutral:



Quasi-peak and Average measurement:

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1780	41.34	9.67	51.01	64.58	-13.57	QP
2	0.1780	29.26	9.67	38.93	54.58	-15.65	AVG
3	0.4420	37.73	9.69	47.42	57.02	-9.60	QP
4	0.4420	17.68	9.69	27.37	47.02	-19.65	AVG
5	0.5380	41.89	9.71	51.60	56.00	-4.40	QP
6	0.5380	26.50	9.71	36.21	46.00	-9.79	AVG
7	0.8980	40.42	9.73	50.15	56.00	-5.85	QP
8	0.8980	25.46	9.73	35.19	46.00	-10.81	AVG
9	1.2460	36.05	9.81	45.86	56.00	-10.14	QP
10	1.2460	21.49	9.81	31.30	46.00	-14.70	AVG
11	6.7380	28.91	10.16	39.07	60.00	-20.93	QP
12	6.7380	20.37	10.16	30.53	50.00	-19.47	AVG

Test data

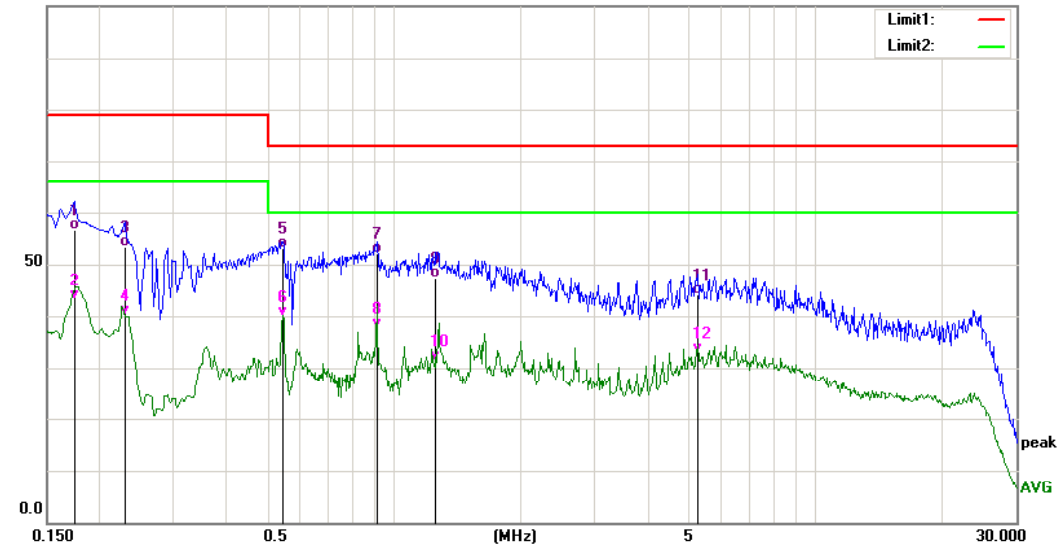
Model: PHB50W-1200-42

Test voltage: 277Vac, 60Hz

Peak and Average Scan:

Live:

100.0 dBuV



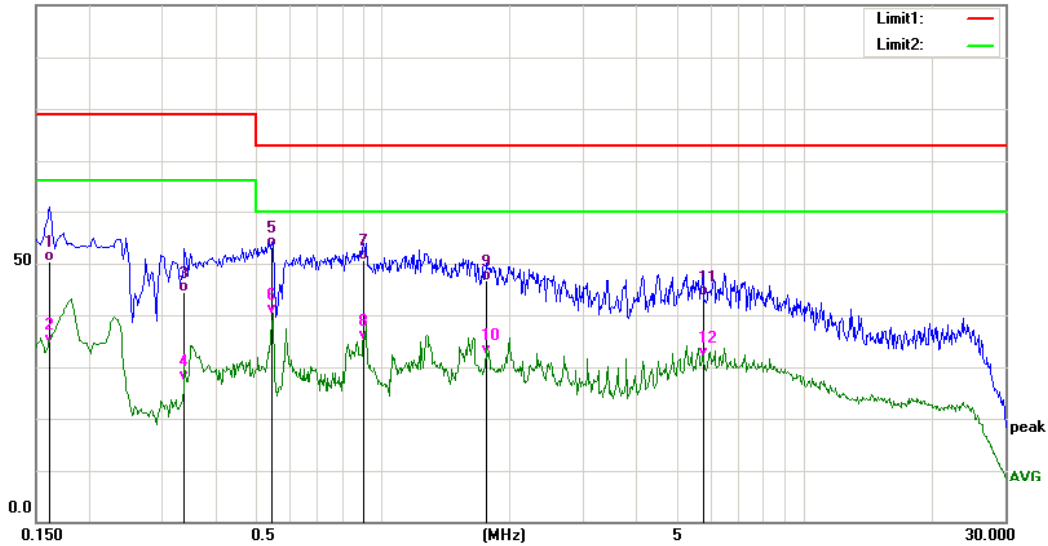
Quasi-peak and Average measurement:

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1740	46.89	9.66	56.55	79.00	-22.45	QP
2	0.1740	33.58	9.66	43.24	66.00	-22.76	AVG
3	0.2300	43.81	9.67	53.48	79.00	-25.52	QP
4	0.2300	30.57	9.67	40.24	66.00	-25.76	AVG
5	0.5460	43.53	9.71	53.24	73.00	-19.76	QP
6	0.5460	30.29	9.71	40.00	60.00	-20.00	AVG
7	0.9140	42.32	9.73	52.05	73.00	-20.95	QP
8	0.9140	27.96	9.73	37.69	60.00	-22.31	AVG
9	1.2580	37.53	9.81	47.34	73.00	-25.66	QP
10	1.2580	21.63	9.81	31.44	60.00	-28.56	AVG
11	5.2540	34.08	10.10	44.18	73.00	-28.82	QP
12	5.2540	22.80	10.10	32.90	60.00	-27.10	AVG

Peak and Average Scan:

Neutral:

100.0 dBuV



Quasi-peak and Average measurement:

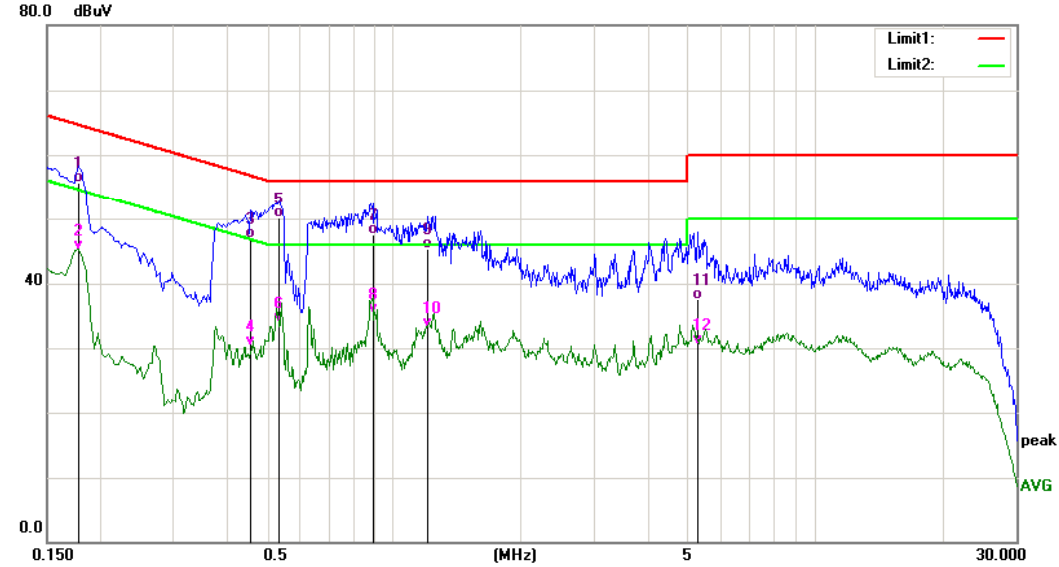
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1620	40.83	9.66	50.49	79.00	-28.51	QP
2	0.1620	24.62	9.66	34.28	66.00	-31.72	AVG
3	0.3380	34.80	9.70	44.50	79.00	-34.50	QP
4	0.3380	17.63	9.70	27.33	66.00	-38.67	AVG
5	0.5460	43.33	9.71	53.04	73.00	-19.96	QP
6	0.5460	30.40	9.71	40.11	60.00	-19.89	AVG
7	0.9020	40.89	9.73	50.62	73.00	-22.38	QP
8	0.9020	25.48	9.73	35.21	60.00	-24.79	AVG
9	1.7620	36.70	9.85	46.55	73.00	-26.45	QP
10	1.7620	22.58	9.85	32.43	60.00	-27.57	AVG
11	5.7620	33.50	10.12	43.62	73.00	-29.38	QP
12	5.7620	21.87	10.12	31.99	60.00	-28.01	AVG

Model: PHB50W-0850-56

Test voltage: 120Vac, 60Hz

Peak and Average Scan:

Live:

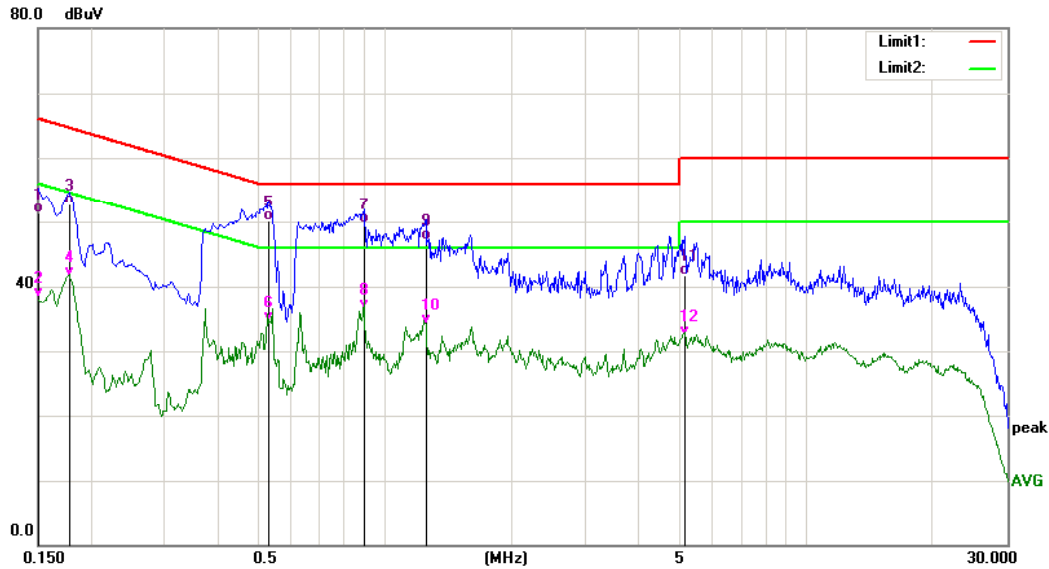


Quasi-peak and Average measurement:

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1780	46.10	9.67	55.77	64.58	-8.81	QP
2	0.1780	35.34	9.67	45.01	54.58	-9.57	AVG
3	0.4580	37.26	9.70	46.96	56.73	-9.77	QP
4	0.4580	20.65	9.70	30.35	46.73	-16.38	AVG
5	0.5340	40.43	9.71	50.14	56.00	-5.86	QP
6	0.5340	24.13	9.71	33.84	46.00	-12.16	AVG
7	0.8940	37.80	9.73	47.53	56.00	-8.47	QP
8	0.8940	25.57	9.73	35.30	46.00	-10.70	AVG
9	1.1980	35.53	9.81	45.34	56.00	-10.66	QP
10	1.1980	23.29	9.81	33.10	46.00	-12.90	AVG
11	5.2620	27.46	10.10	37.56	60.00	-22.44	QP
12	5.2620	20.35	10.10	30.45	50.00	-19.55	AVG

Peak and Average Scan:

Neutral:



Quasi-peak and Average measurement:

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1500	41.65	9.65	51.30	65.99	-14.69	QP
2	0.1500	28.58	9.65	38.23	55.99	-17.76	AVG
3	0.1780	43.10	9.67	52.77	64.57	-11.80	QP
4	0.1780	31.82	9.67	41.49	54.57	-13.08	AVG
5	0.5299	40.46	9.71	50.17	56.00	-5.83	QP
6	0.5299	24.80	9.71	34.51	46.00	-11.49	AVG
7	0.8940	40.03	9.73	49.76	56.00	-6.24	QP
8	0.8940	26.80	9.73	36.53	46.00	-9.47	AVG
9	1.2540	37.26	9.81	47.07	56.00	-8.93	QP
10	1.2540	24.33	9.81	34.14	46.00	-11.86	AVG
11	5.1420	31.67	10.10	41.77	60.00	-18.23	QP
12	5.1420	22.23	10.10	32.33	50.00	-17.67	AVG

Test data

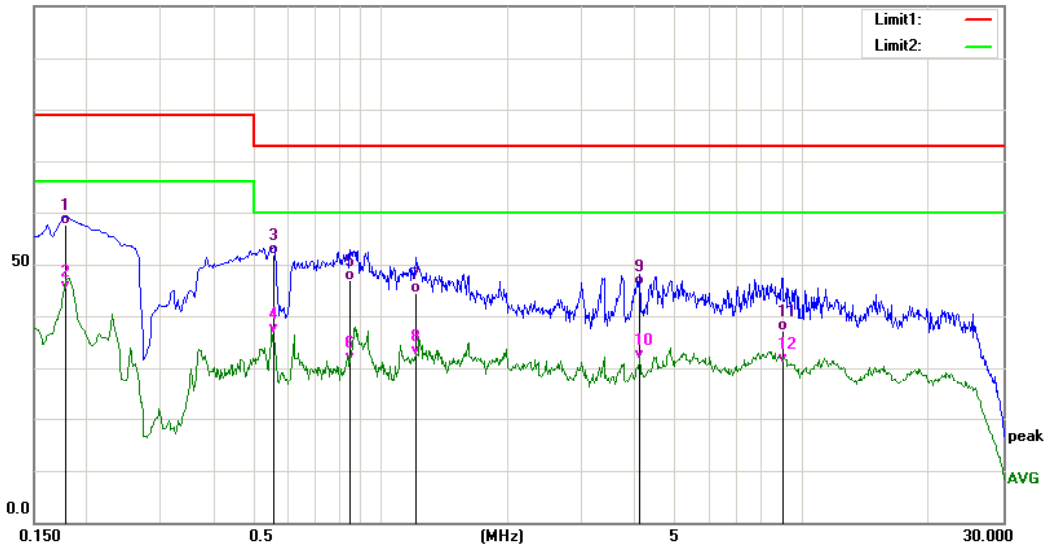
Model: PHB50W-0850-56

Test voltage: 277Vac, 60Hz

Peak and Average Scan:

Live:

100.0 dBuV



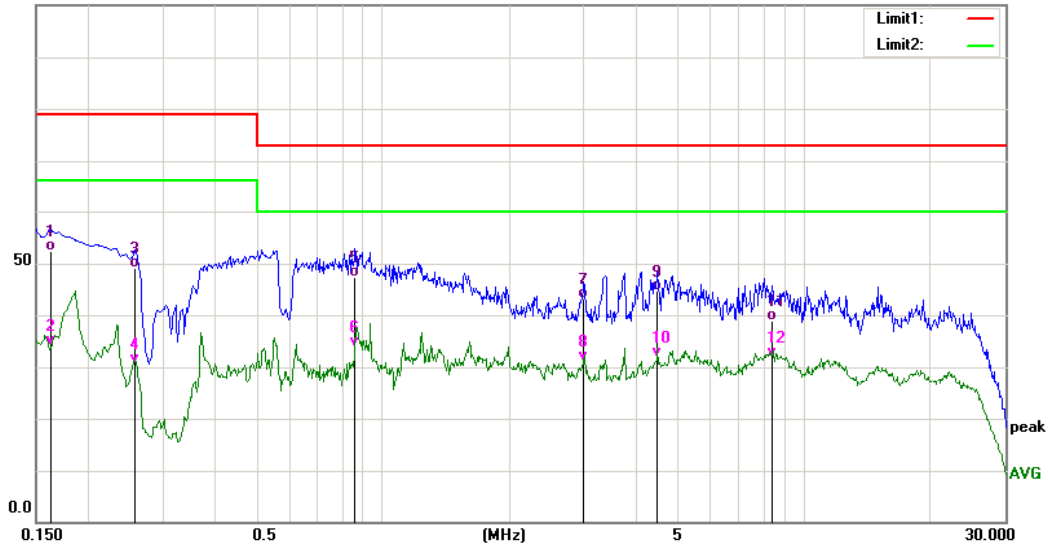
Quasi-peak and Average measurement:

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1780	47.84	9.67	57.51	79.00	-21.49	QP
2	0.1780	35.22	9.67	44.89	66.00	-21.11	AVG
3	0.5580	42.06	9.71	51.77	73.00	-21.23	QP
4	0.5580	26.85	9.71	36.56	60.00	-23.44	AVG
5	0.8460	37.18	9.72	46.90	73.00	-26.10	QP
6	0.8460	21.31	9.72	31.03	60.00	-28.97	AVG
7	1.2100	34.69	9.81	44.50	73.00	-28.50	QP
8	1.2100	22.46	9.81	32.27	60.00	-27.73	AVG
9	4.1220	35.96	10.01	45.97	73.00	-27.03	QP
10	4.1220	21.53	10.01	31.54	60.00	-28.46	AVG
11	9.0100	27.00	10.24	37.24	73.00	-35.76	QP
12	9.0100	20.55	10.24	30.79	60.00	-29.21	AVG

Peak and Average Scan:

Neutral:

100.0 dBuV



Quasi-peak and Average measurement:

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1650	42.77	9.66	52.43	79.00	-26.57	QP
2	0.1650	24.55	9.66	34.21	66.00	-31.79	AVG
3	0.2580	39.47	9.67	49.14	79.00	-29.86	QP
4	0.2580	20.96	9.67	30.63	66.00	-35.37	AVG
5	0.8580	37.67	9.73	47.40	73.00	-25.60	QP
6	0.8580	24.15	9.73	33.88	60.00	-26.12	AVG
7	3.0020	33.21	9.92	43.13	73.00	-29.87	QP
8	3.0020	21.21	9.92	31.13	60.00	-28.87	AVG
9	4.4980	34.54	10.04	44.58	73.00	-28.42	QP
10	4.4980	21.95	10.04	31.99	60.00	-28.01	AVG
11	8.3900	28.63	10.22	38.85	73.00	-34.15	QP
12	8.3900	21.60	10.22	31.82	60.00	-28.18	AVG

5.2 Radiated Emission

Results:

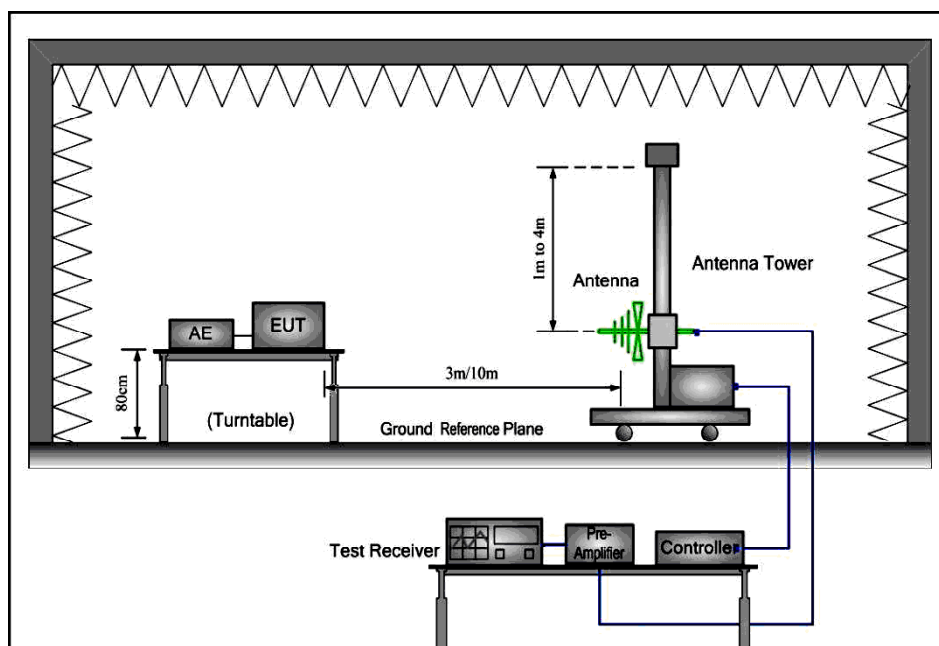
Pass

Date of testing : 08 March 2019
 Test procedure : ANSI C63.4:2014
 Frequency range : 30- 1000MHz
 Kind of test site : Semi-Anechoic chamber
 Limits : FCC PART 15 Subpart B: 2017

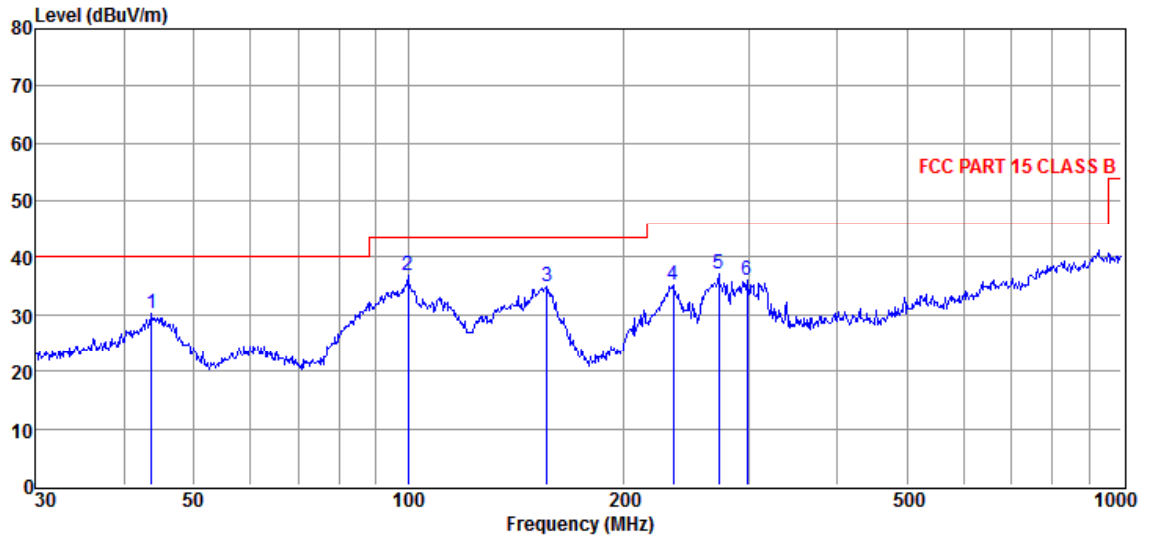
Test setup:

Input Voltage : 120&277Vac, 60Hz
 Operation Mode : Test in lighting mode
 Artificial Hand : Not applied
 Earthing : Applied
 Temperature : 24°C
 Humidity : 60%
 Air pressure : 101KPA

Test Connection Diagram



Test Data:
Model: PHB50W-1200-42
Test voltage: 120Vac, 60Hz
Peak Scan:
Horizontal



Quasi-peak measurement:

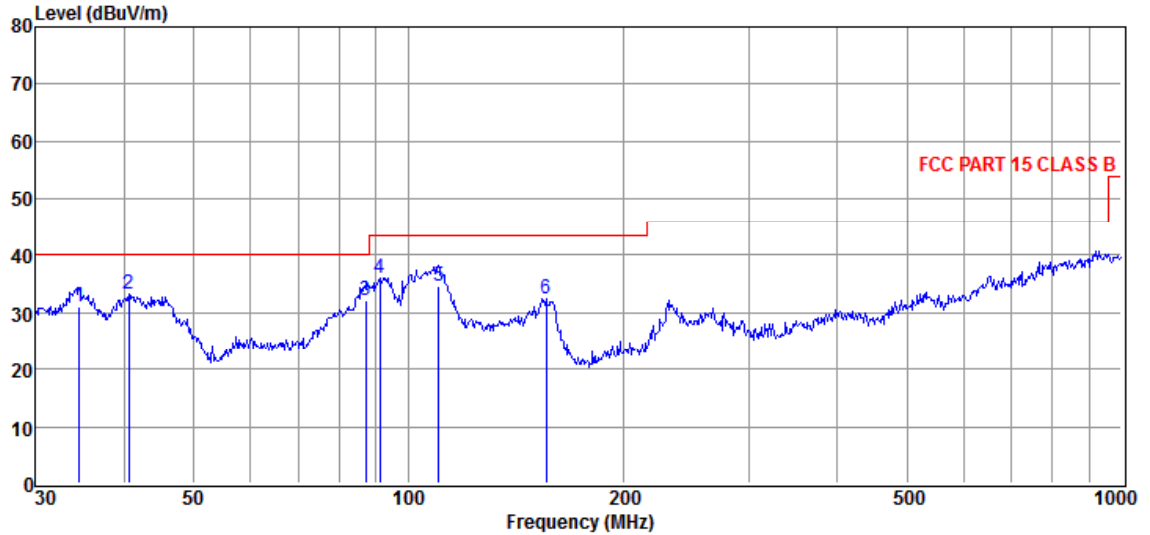
Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	43.66	13.22	16.55	0.00	0.55	30.32	40.00	-9.68	Peak	HORIZONTAL
2	99.88	24.54	11.48	0.00	0.85	36.87	43.50	-6.63	Peak	HORIZONTAL
3	156.46	26.21	7.54	0.00	1.11	34.86	43.50	-8.64	Peak	HORIZONTAL
4	234.99	21.97	11.80	0.00	1.44	35.21	46.00	-10.79	Peak	HORIZONTAL
5	272.28	22.82	12.65	0.00	1.60	37.07	46.00	-8.93	Peak	HORIZONTAL
6	298.27	21.83	12.34	0.00	1.71	35.88	46.00	-10.12	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss

2. If Peak Result comply with QP limit, QP Result is deemed to comply with QP limit

3. Test setup: RBW: 120kHz, VBW: 300kHz, Sweep time: auto

Peak Scan:
Vertical:



Quasi-peak measurement:

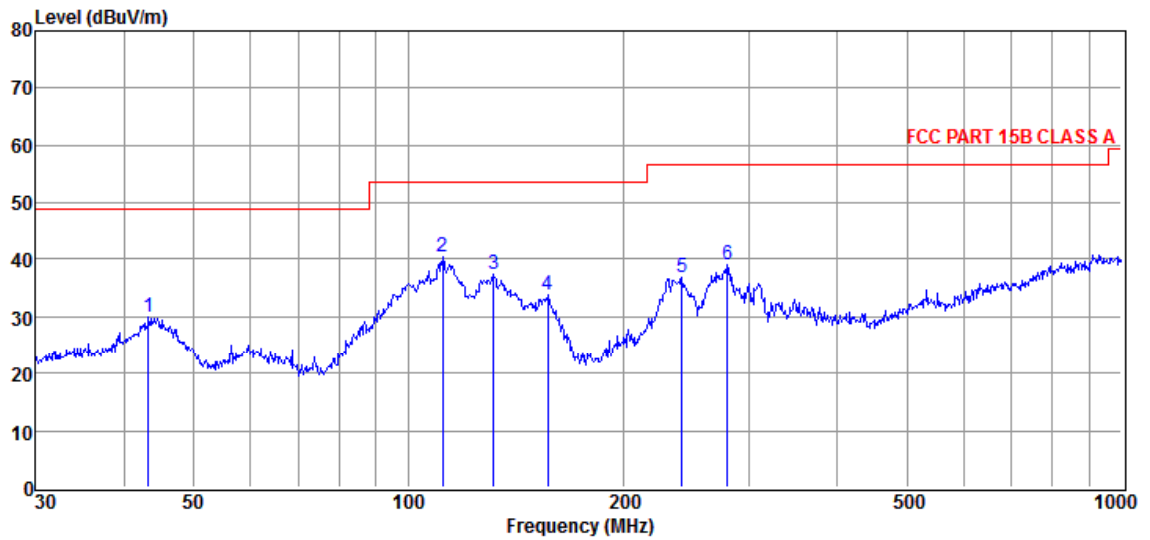
Item (Mark)	Freq (MHz)	Read Level (dB μ V)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dB μ V/m)	Limit Line (dB μ V/m)	Over Limit (dB)	Detector	Polarization
1	34.52	19.10	11.51	0.00	0.48	31.09	40.00	-8.91	QP	VERTICAL
2	40.56	18.70	14.16	0.00	0.52	33.38	40.00	-6.62	Peak	VERTICAL
3	87.11	23.00	8.51	0.00	0.79	32.30	40.00	-7.70	QP	VERTICAL
4	91.18	25.80	9.54	0.00	0.81	36.15	43.50	-7.35	Peak	VERTICAL
5	110.18	22.10	11.66	0.00	0.90	34.66	43.50	-8.84	QP	VERTICAL
6	155.91	23.71	7.56	0.00	1.11	32.38	43.50	-11.12	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss

2. If Peak Result comply with QP limit, QP Result is deemed to comply with QP limit

3. Test setup: RBW: 120kHz, VBW: 300kHz, Sweep time: auto

Test Data:
Model: PHB50W-1200-42
Test voltage: 277Vac, 60Hz
Peak Scan:
Horizontal

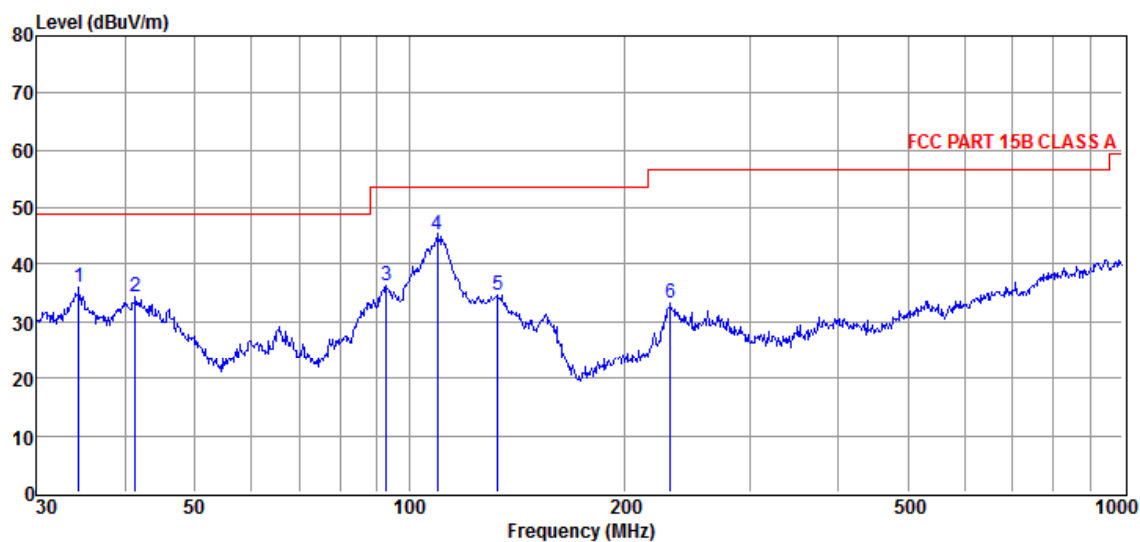


Quasi-peak measurement:

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	Polarization
1	43.20	13.35	16.21	0.00	0.54	30.10	49.00	-18.90	Peak	HORIZONTAL
2	111.74	28.19	11.31	0.00	0.91	40.41	53.50	-13.09	Peak	HORIZONTAL
3	131.76	27.82	8.49	0.00	1.00	37.31	53.50	-16.19	Peak	HORIZONTAL
4	157.01	25.20	7.52	0.00	1.11	33.83	53.50	-19.67	Peak	HORIZONTAL
5	241.68	23.82	11.63	0.00	1.47	36.92	56.50	-19.58	Peak	HORIZONTAL
6	280.02	24.50	12.80	0.00	1.63	38.93	56.50	-17.57	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss
2. If Peak Result comply with QP limit, QP Result is deemed to comply with QP limit
3. Test setup: RBW: 120kHz, VBW: 300kHz, Sweep time: auto

Peak Scan:
Vertical:



Quasi-peak measurement:

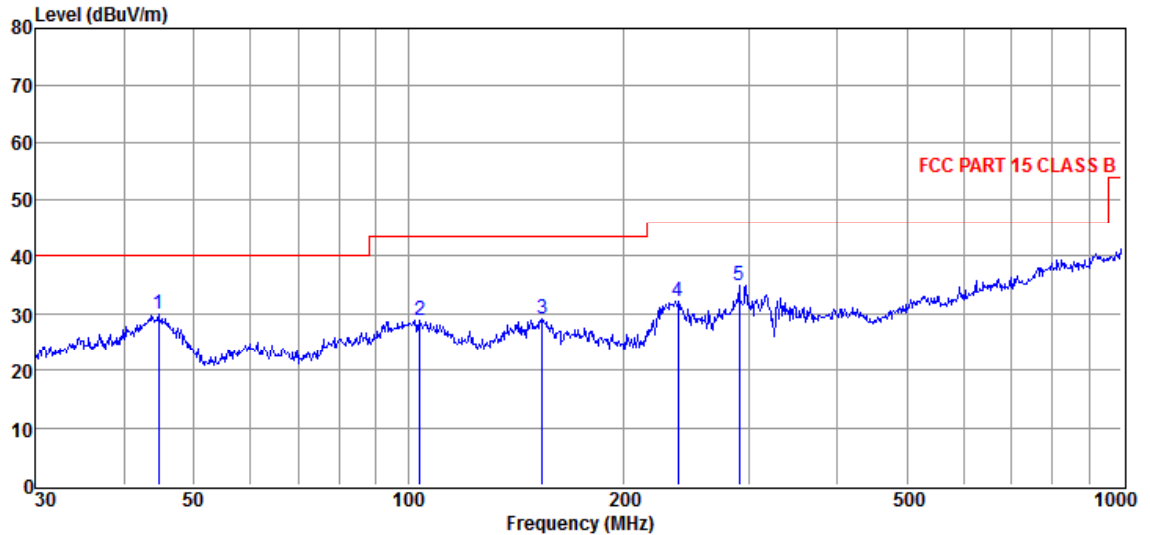
Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	34.40	23.97	11.48	0.00	0.48	35.93	49.00	-13.07	Peak	VERTICAL
2	41.28	18.98	14.73	0.00	0.53	34.24	49.00	-14.76	Peak	VERTICAL
3	92.79	25.35	9.99	0.00	0.81	36.15	53.50	-17.35	Peak	VERTICAL
4	109.41	32.61	11.76	0.00	0.90	45.27	53.50	-8.23	Peak	VERTICAL
5	133.15	25.24	8.41	0.00	1.01	34.66	53.50	-18.84	Peak	VERTICAL
6	232.53	20.07	11.65	0.00	1.43	33.15	56.50	-23.35	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss

2. If Peak Result comply with QP limit, QP Result is deemed to comply with QP limit

3. Test setup: RBW: 120kHz, VBW: 300kHz, Sweep time: auto

Model: PHB50W-0850-56
Test voltage: 120Vac, 60Hz
 Peak Scan:
 Horizontal

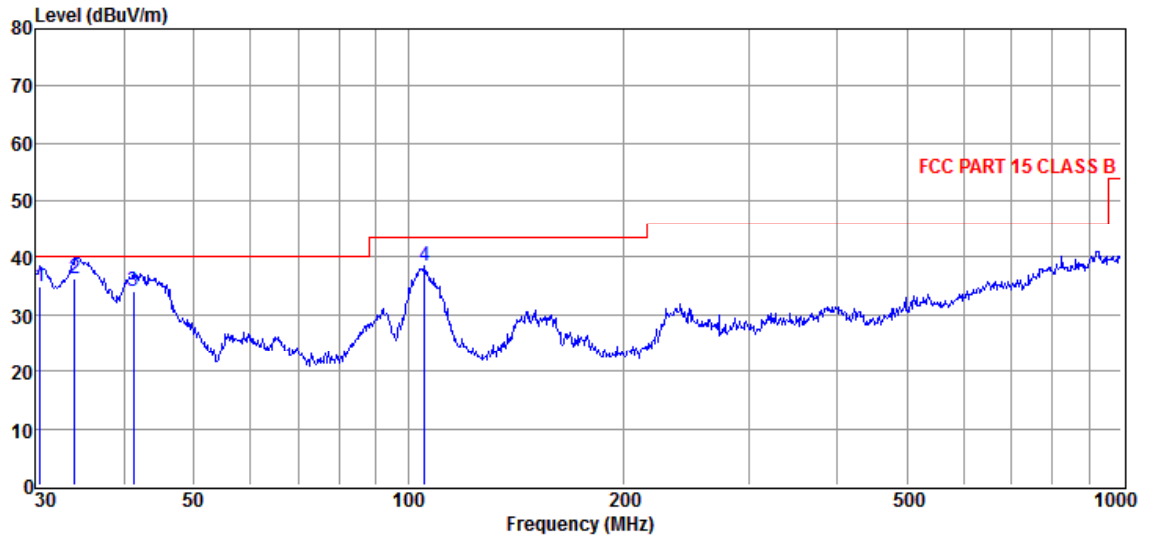


Quasi-peak measurement:

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	Polarization
1	44.59	12.87	16.50	0.00	0.55	29.92	40.00	-10.08	Peak	HORIZONTAL
2	103.81	15.95	12.04	0.00	0.87	28.86	43.50	-14.64	Peak	HORIZONTAL
3	154.28	20.31	7.63	0.00	1.10	29.04	43.50	-14.46	Peak	HORIZONTAL
4	239.15	19.12	11.63	0.00	1.46	32.21	46.00	-13.79	Peak	HORIZONTAL
5	291.04	20.63	12.68	0.00	1.68	34.99	46.00	-11.01	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss
 2. If Peak Result comply with QP limit, QP Result is deemed to comply with QP limit
 3. Test setup: RBW: 120kHz, VBW: 300kHz, Sweep time: auto

Peak Scan:
Vertical:

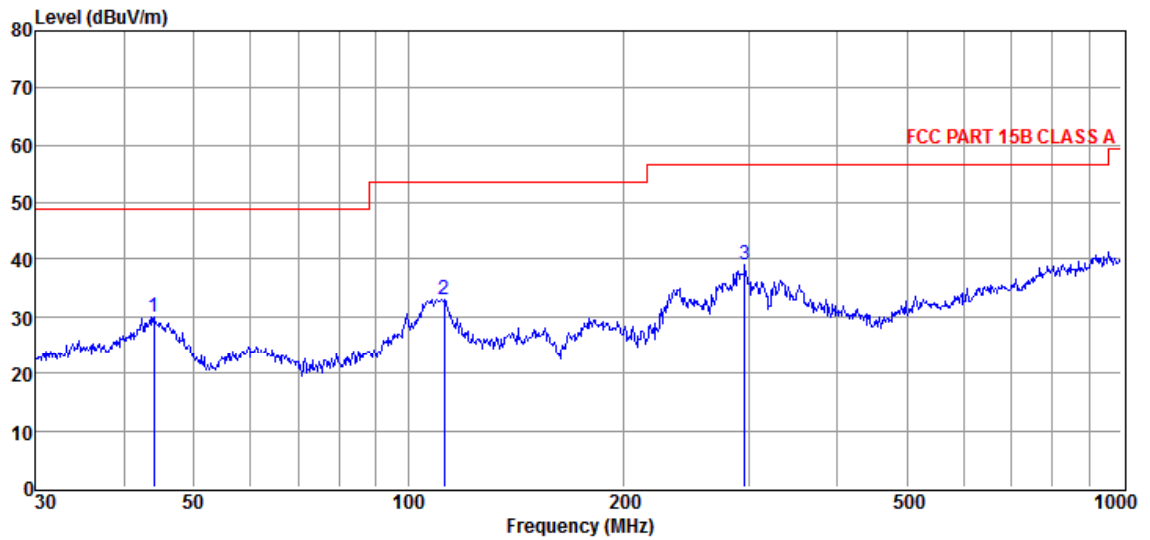


Quasi-peak measurement:

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	Polarization
1	30.42	24.01	10.34	0.00	0.45	34.80	40.00	-5.20	QP	VERTICAL
2	34.04	24.40	11.41	0.00	0.48	36.29	40.00	-3.71	QP	VERTICAL
3	41.13	18.99	14.62	0.00	0.53	34.14	40.00	-5.86	QP	VERTICAL
4	105.27	25.57	12.17	0.00	0.88	38.62	43.50	-4.88	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss
2. If Peak Result comply with QP limit, QP Result is deemed to comply with QP limit
3. Test setup: RBW: 120kHz, VBW: 300kHz, Sweep time: auto

Test Data:
Model: PHB50W-0850-56
Test voltage: 277Vac, 60Hz
Peak Scan:
Horizontal

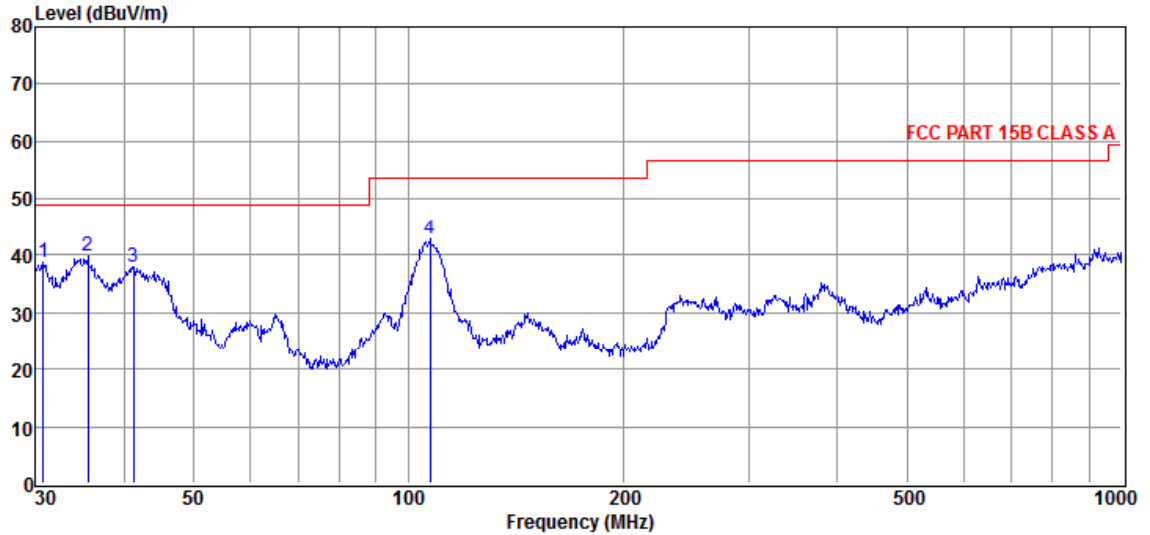


Quasi-peak measurement:

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	Polarization
1	43.97	12.77	16.77	0.00	0.55	30.09	49.00	-18.91	Peak	HORIZONTAL
2	112.13	20.98	11.23	0.00	0.91	33.12	53.50	-20.38	Peak	HORIZONTAL
3	296.18	24.95	12.50	0.00	1.70	39.15	56.50	-17.35	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss
 2. If Peak Result comply with QP limit, QP Result is deemed to comply with QP limit
 3. Test setup: RBW: 120kHz, VBW: 300kHz, Sweep time: auto

Peak Scan:
Vertical:



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	Polarization
1	30.75	27.83	10.38	0.00	0.46	38.67	49.00	-10.33	Peak	VERTICAL
2	35.50	27.54	11.70	0.00	0.49	39.73	49.00	-9.27	Peak	VERTICAL
3	41.13	22.89	14.62	0.00	0.53	38.04	49.00	-10.96	Peak	VERTICAL
4	107.13	29.89	11.98	0.00	0.89	42.76	53.50	-10.74	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss

2. If Peak Result comply with QP limit, QP Result is deemed to comply with QP limit

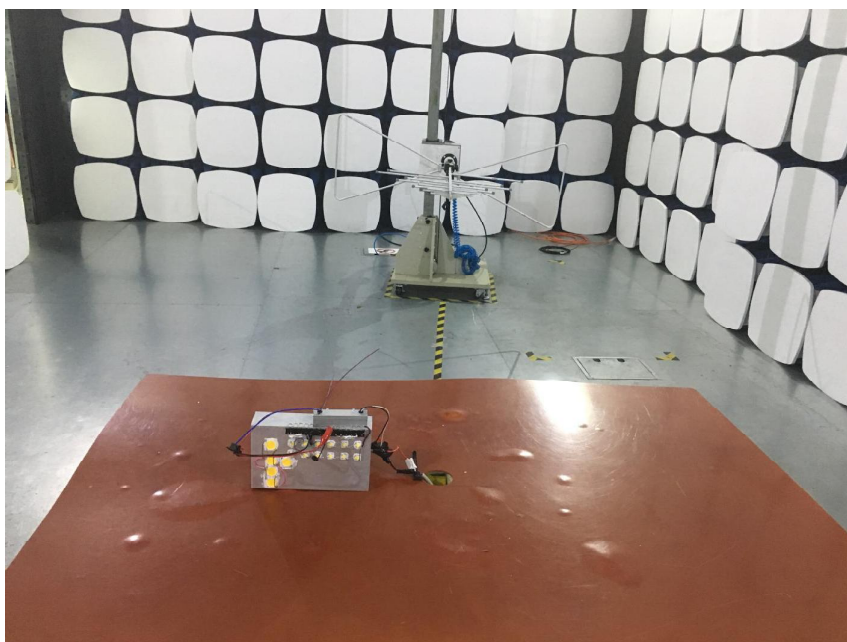
3. Test setup: RBW: 120kHz, VBW: 300kHz, Sweep time: auto

6 The photos of test setting

Terminal Continuous Disturbance Voltage:

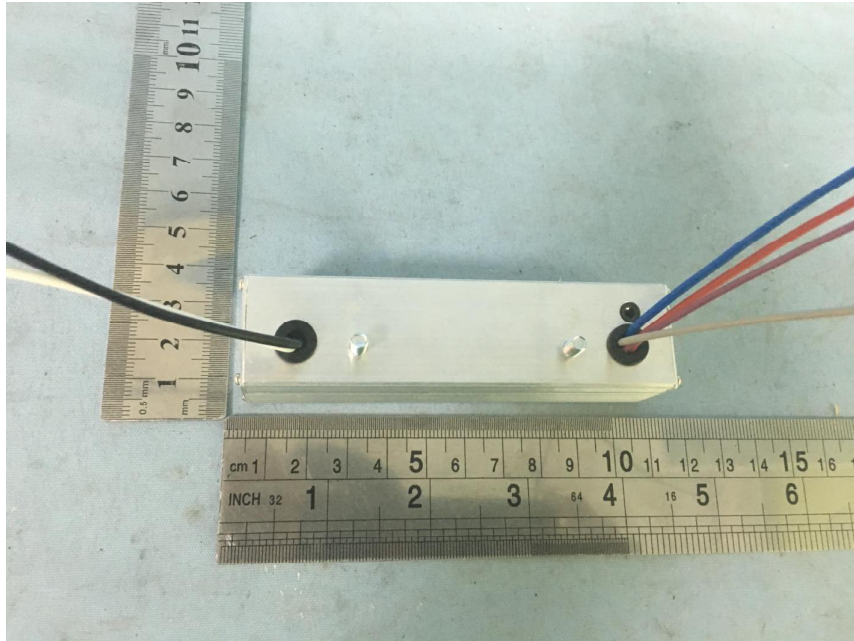


Radiated Emission:



7 The photos of EUT

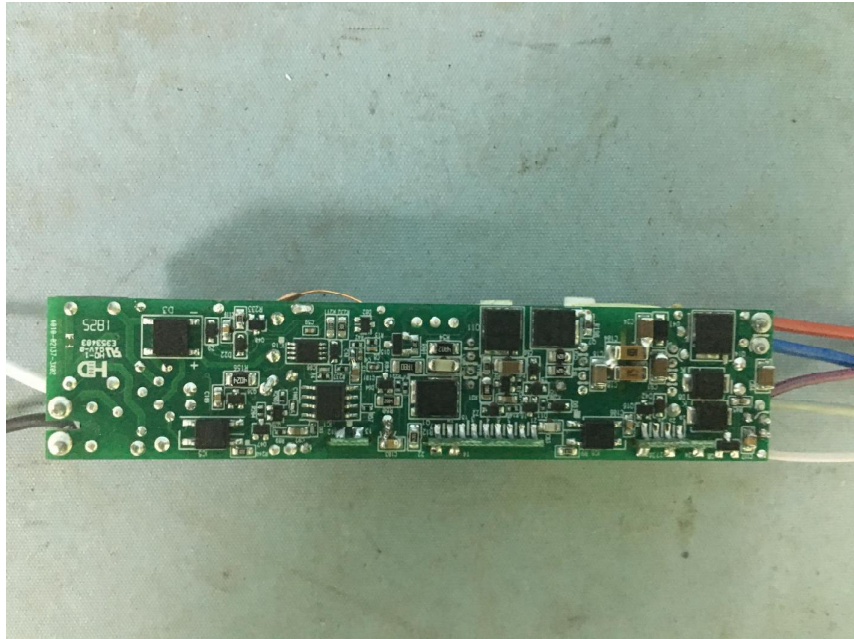
Model: PHB50W-1200-42



Picture 1

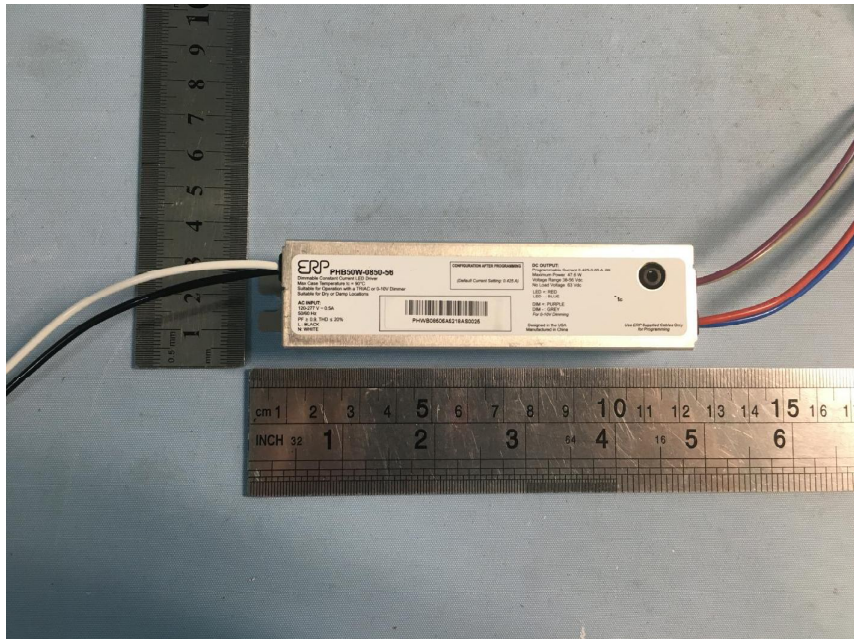


Picture 2

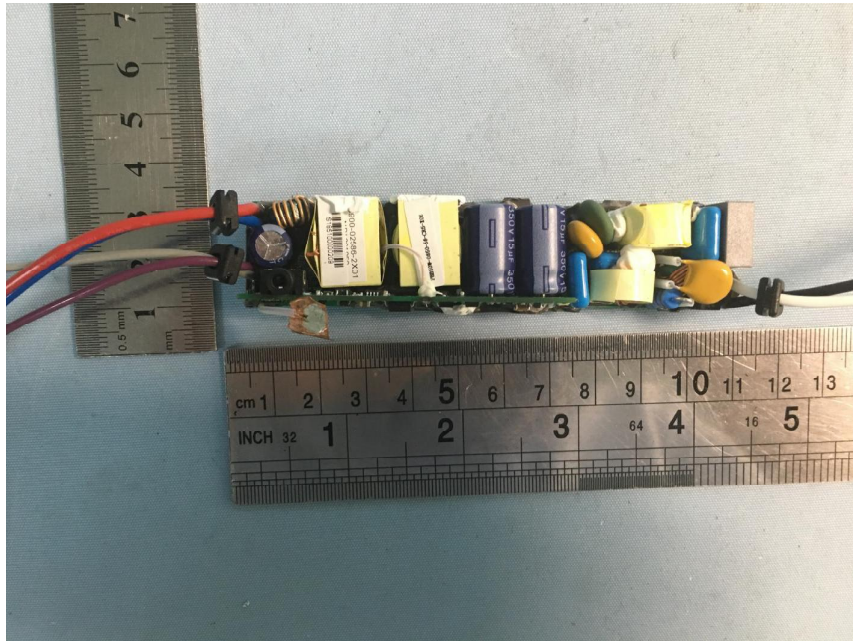


Picture 3

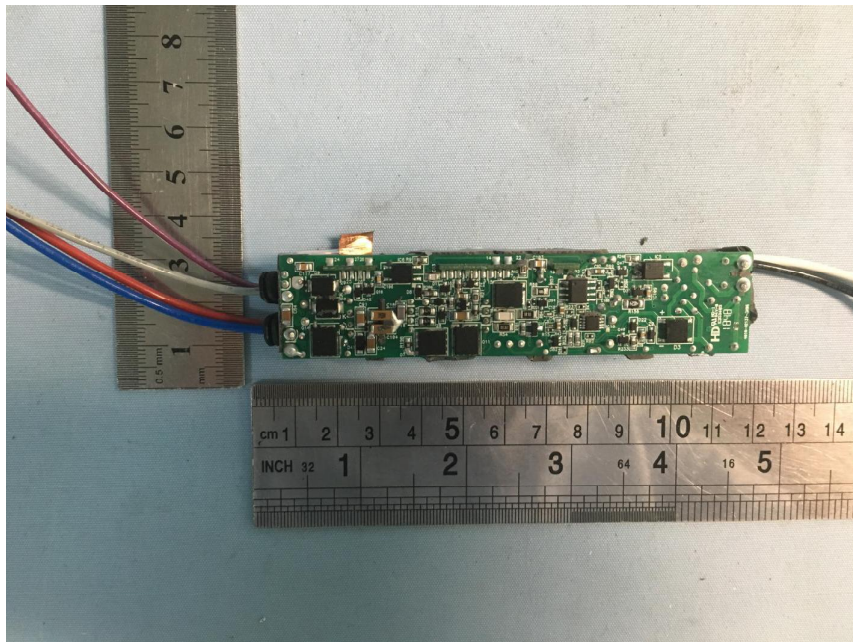
Model: PHB50W-0850-56



Picture 1



Picture 2



Picture 3

-----End of test report-----