

TEST REPORT

Product Name : Portable general purpose luminaires LED desk lamp
Model Number : DE27011H11
FCC ID : 2AT2H-DE27011H11

Prepared for : Ningbo Chinyo Lighting Appliance Co., Ltd
Address : No. 7, Ketai Road, Wangchun Industrial Zone Haishu
District Ningbo, Zhejiang Province, China

Prepared by : EMTEK (NINGBO) CO., LTD.
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Report Number : ENB2307310200W00201R
Date(s) of Tests : August 23, 2022 to September 03, 2023
Date of Issue : September 07, 2023

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TEST REPORT DESCRIPTION

Applicant : Ningbo Chinyo Lighting Appliance Co., Ltd

Address : No. 7, Ketai Road, Wangchun Industrial Zone Haishu District Ningbo, Zhejiang Province, China.

Manufacturer : Ningbo Chinyo Lighting Appliance Co., Ltd

Address : No. 7, Ketai Road, Wangchun Industrial Zone Haishu District Ningbo, Zhejiang Province, China.

EUT : Portable general purpose luminaires LED desk lamp

Model Name : DE27011H11

Trademark : N/A

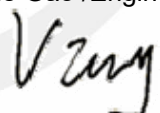
We hereby certify that:

The above equipment was tested by EMTEK (NINGBO) CO., LTD. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.10 (2013) and the energy emitted by the sample EUT tested as described in this report is in compliance with the requirements of FCC Rules Part 15C

The test results of this report relate only to the tested sample identified in this report.

Date of Test : August 23, 2022 to September 03, 2023

Prepared by : 
June Gao /Engineer

Reviewer : 
Vinay /Supervisor

Approve & Authorized Signer : 
Tony wei/Manager



Modified Information

Version	Report No.	Revision Data	Summary
/	ENB2307310200W00201R	/	Original Version



1. SUMMARY OF TEST RESULTS

EMISSION		
Description of Test Item	Standard & Limits	Results
Conducted Emission	FCC Part 15, Subpart C- Section 15.207 ANSI C63.10-2013	Pass
Radiated Emission	FCC Part 15, Subpart C- Section 15.209 ANSI C63.10-2013	Pass
Note: N/A is an abbreviation for Not Applicable.		



2. GENERAL INFORMATION

2.1. Description of Device (EUT)

Product:	Portable general purpose luminaires LED desk lamp
Model Number:	DE27011H11
Sample Number:	ENB2307310200W002-1-1
Power Supply:	DC 12V from adapter
Adapter:	Model: RSS1001-180120-W2 Input: 100-240V 50/60Hz 0.6A Output: 12V 1.5A Model: HP18A-1201500-AU Input: 100-240V 50/60Hz 0.5A Output: 12V 1.5A
Wireless specification	5W(MAX)
Modulation:	Ask
Maximum Power Rate:	77.52 dBuV/m
Frequency Range:	110 kHz~205 KHz
Antenna Type:	Integral Antenna(Induction coil)
Antenna Gain:	0 dBi
Operating Temperature	0°C ~ +50°C
Date of Received:	July 31, 2023

2.2. Input / Output Ports

Port #	Name	Type*	Cable Max. >3m	Cable Shielded	Comments
1	DC Power Port	DC	No	N/A	None
* Note: For the purposes of the present document, the following symbols apply: AC AC Power Port DC DC Power Port N/E Non-Electrical I/O Signal Input or Output Port (Not Involved in Process Control) TP Telecommunication Ports					

2.3. Independent Operation Modes

A 1. Wireless Charging(Full load)

2.4. Test Manner

Test Items	Test Voltage	Operation Modes
Conducted Emission	AC 120V/60Hz	Mode A.1
Radiated Emission	AC 120V/60Hz	Mode A.1

2.5. Description of Test Facility

Site Description
EMC Lab.

: Accredited by CNAS

The Certificate Registration Number is L6666.

The Laboratory has been assessed and proved to be in compliance with CNAS-CL01:2018 (identical to ISO/IEC 17025:2017)

Designation by FCC

Designation Number: CN1354

Test Firm Registration Number: 427606

Accredited by A2LA

The certificate is valid until August 4, 2023

Accredited by Industry Canada

The Conformity Assessment Body Identifier is CN0114

Test Firm Registration Number: 9469A

Name of Firm

: EMTEK (NINGBO) CO., LTD.

Site Location

: No. 8, Building 8, Lane 216, Qingyi Road, Ningbo Hi-Tech Zone, Ningbo, Zhejiang, China

2.6. Description of Support Device

No.	Equipment	Trade name	Model	S/N	Power Cord
1	Wireless Load	/	5w	/	/

2.7. Measurement Uncertainty

The following measurement uncertainty levels have been estimated for tests performed on the apparatus:

Parameter	Uncertainty
Radio Frequency	$\pm 1 \times 10^{-5}$
Conducted Emissions Test	± 2.0 dB
Radiated Emission Test	± 2.0 dB
Occupied Bandwidth Test	± 1.0 dB
Temperature	± 0.5 °C
Humidity	± 3 %

Measurement Uncertainty for a level of Confidence of 95%

3. MEASURING DEVICE AND TEST EQUIPMENT

3.1. Conducted Emission Test Equipment

Equ.No.	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
ENE-001	EMI Test Receiver	Rohde & Schwarz	ESCI	101108	Dec. 29, 2022	1 Year
ENE-158	L.I.S.N	Rohde & Schwarz	NNLK 8129	0373	Nov. 18, 2022	1 Year
ENE-004	L.I.S.N	Schwarzbeck	NSLK 8126	8126-462	July 07, 2023	1 Year
ENE-159	Pulse Limiter	Schwarzbeck	VTSD 9561F-N	0929	Nov. 18, 2022	1 Year
ENE-278	RF Switching unit	HTEC	HRSU	222101	August 22, 2023	1 Year
ENE-083	RF Cable	Hubber Suhner/Swiss	CBL-RE-3	/	June 01, 2023	1 Year

3.2. For 3m Radiated Emission Measurement 9K-1GHz

Equ. No.	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
ENE-185	EMI Test Receiver	R&S	ESR7	102480	Apr 28, 2023	1 Year
ENE-188	Low Frequency Field Antenna	Schwarzbeck	FMZB 1513-60	00026	Aug 24, 2022	2 Year
ENE-190	Antenna multiple	Schwarzbeck	VULB 9163	01499	May 21, 2022	2 Year
ENE-195	Pre-Amplifier	JS Denki	PA09K03-40	JSPA21019	April 28, 2023	1 Year
ENE-204	Low frequency notch filterRf switching	JS Denki	JSDSW-F	JSDSW2211D 02	April 28, 2023	1 Year
ENE-279-1	RF Cable	Rosenberger	L17-C001-7000	/	May 31, 2023	1 Year
ENE-279-6	RF Cable	Rosenberger	L08-C446-1500	/	May 31, 2023	1 Year
ENE-280-1	RF Cable	Rosenberger	L17-C001-3500	/	May 31, 2023	1 Year
ENE-280-2	RF Cable	Rosenberger	L17-C001-1500	/	May 31, 2023	1 Year
ENE-204	Low Frequency Notch Filter RF Switching	JS Denki	JSDSW-F	JSDSW2211D 02	Apr 28, 2023	1 Year
ENE-144	3-Meter Anechoic Chamber2#	SKET	9*6*6m	/	June 19, 2022	3 Year

ENE-279-2	RF cable	Rosenberger	L17-C001-3500	/	June 01, 2023	1 Year
ENE-279-3	RF cable	Rosenberger	L17-C001-1500	/	June 01, 2023	1 Year
ENE-279-4	RF cable	Rosenberger	/	/	June 01, 2023	1 Year
ENE-279-5	RF cable	Rosenberger	/	/	June 01, 2023	1 Year
ENE-171	EXA Signal Analyzer	KEYSIGHT	N9010B	MY60242467	Feb. 28, 2023	1 Year
ENE-191	Horn antenna	Schwarzbeck	BBHA 9120 D	02588	May 21, 2022	2 Year
ENE-198	Pre-amplifier	JS Denki	PA0118-50	JSPA21022	April 28, 2023	1 Year
ENE-193	Horn antenna	Schwarzbeck	BBHA 9170	01190	May 21, 2022	2 Year
ENE-199	Pre-amplifier	JS Denki	PA1840-55	JSPA21023	April 28, 2023	1 Year
ENE-281-1	RF cable	Rosenberger	LA2-C125-3500	/	June 01, 2023	1 Year
ENE-281-2	RF cable	Rosenberger	LA2-C125-1500	/	June 01, 2023	1 Year
ENE-281-3	RF cable	Rosenberger	LU7-C1511-1200	/	June 01, 2023	1 Year
ENE-285-1	RF cable	Rosenberger	LA2-C199-6500	/	June 01, 2023	1 Year
ENE-290-1	RF cable	Schwarzbeck	LA1-C006-4000	/	June 01, 2023	1 Year
ENE-206	High frequency notch filterRf switching	JS Denki	JSDSW-F	202083582	April 28, 2023	1 Year

3.3. For other test items:

Equ. No.	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
ENE-256	EXA Signal Analyzer	Keysight	N9010B	MY62060219	July 05, 2023	1 Year
ENE-172	RF Control Unit	Tonscend	JS0806-2(V.6E)	21L8060521	March 01, 2023	1 Year

4. 20DB BANDWIDTH

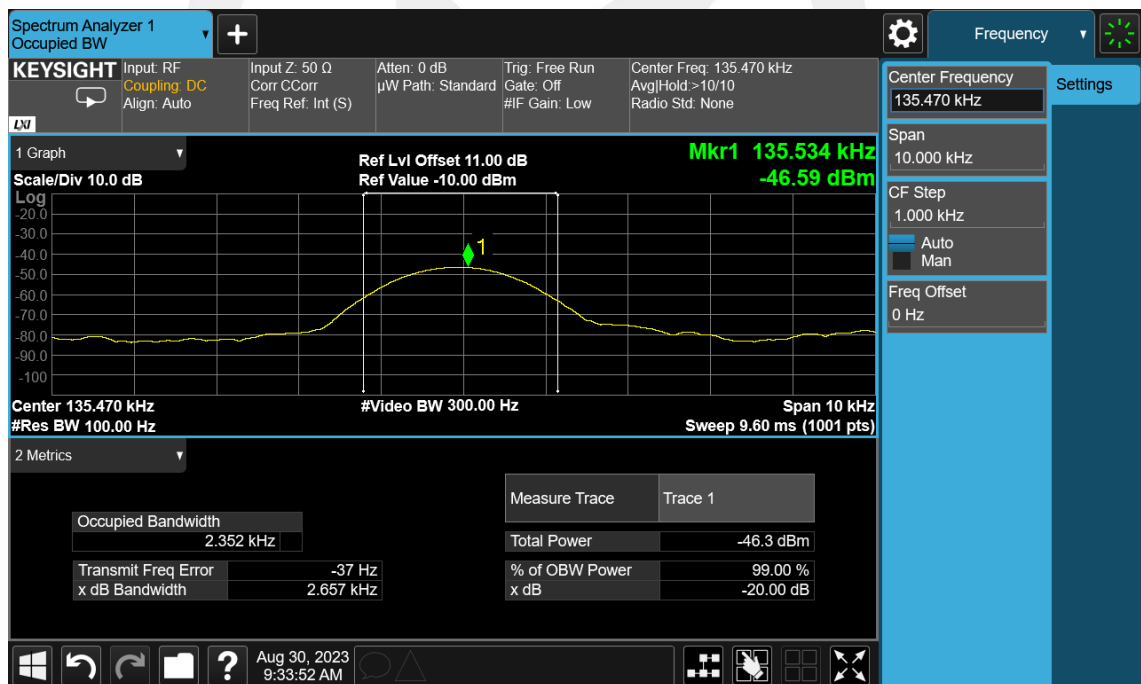
4.1. Test Procedure

Set to the maximum power setting and enable the EUT transmit continuously
 Set RBW = 1%-5%OBW
 Set the video bandwidth (VBW) = 3*RBW
 Set Span= 10 kHz
 Set Detector = Peak.
 Set Trace mode = max hold.
 Set Sweep = auto couple.
 Measure and record the results in the test report.

4.2. Test Results

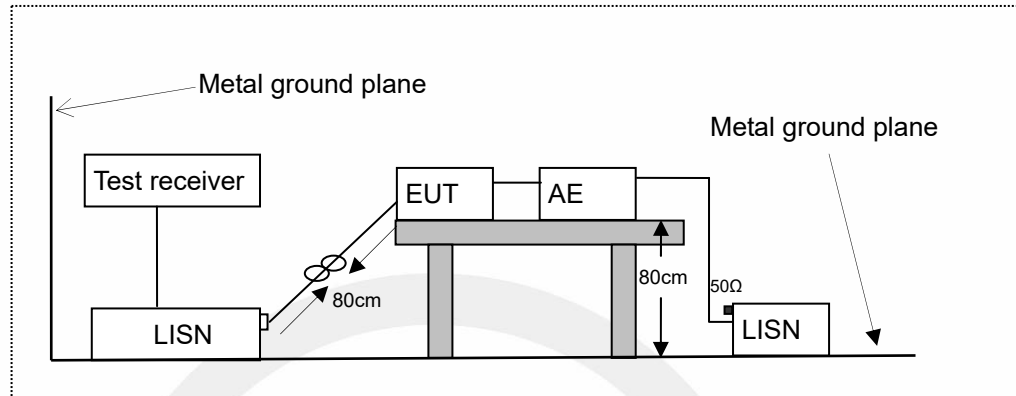
Temperature: 24 °C Test Date: August 30, 2023
 Humidity: 53 % Test By: Chloe Cheng

20dB Band=2.657 kHz



5. POWER LINE CONDUCTED EMISSION MEASUREMENT

5.1. Block Diagram of Test Setup



LISN: Line Impedance Stabilization Network
AE: Associated equipment
EUT: Equipment under test

5.2. Limits

FCC Part 15.207

Frequency (MHz)		Limit (dB μ V)	
		Quasi-peak Level	Average Level
0.15	~ 0.50	66.0 ~ 56.0 *	56.0 ~ 46.0 *
0.50	~ 5.00	56.0	46.0
5.00	~ 30.00	60.0	50.0

NOTE1-The lower limit shall apply at the transition frequencies.
NOTE2-The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.50MHz.

5.3. Test Procedure

The EUT was placed on a desk 0.8 m height from the metal ground plane and 0.4 m from the conducting wall of the shielding room and it was kept at least 0.8 m from any other grounded conducting surface. The size of the table will nominally be 1.5 m x1.0 m.

The rear of the arrangement shall be flush with the back of the supporting tabletop unless that would not be possible or typical of normal use.

All units of equipment forming the system under test (includes the EUT as well as connected peripherals and associated equipment or devices) shall be arranged such that a nominal 0.1 m separation is achieved between the neighboring units.

Connect EUT to the power mains through a line impedance stabilization network (LISN). Where the mains cable supplied by the manufacturer is longer than 1 m, the excess should be folded at the centre into a bundle no longer than 0.4 m, so that its length is shortened to 1 m.

All the support units are connecting to the other LISN.

The LISN provides 50 ohm coupling impedance for the measuring instrument.

Both sides of AC line were checked for maximum conducted interference.

The frequency range from 150 kHz to 30 MHz was sweep.

Set the test-receiver system to quasi peak detect function and average detect function, and to measure the conducted emissions values.

Test results were obtained from the following equation:

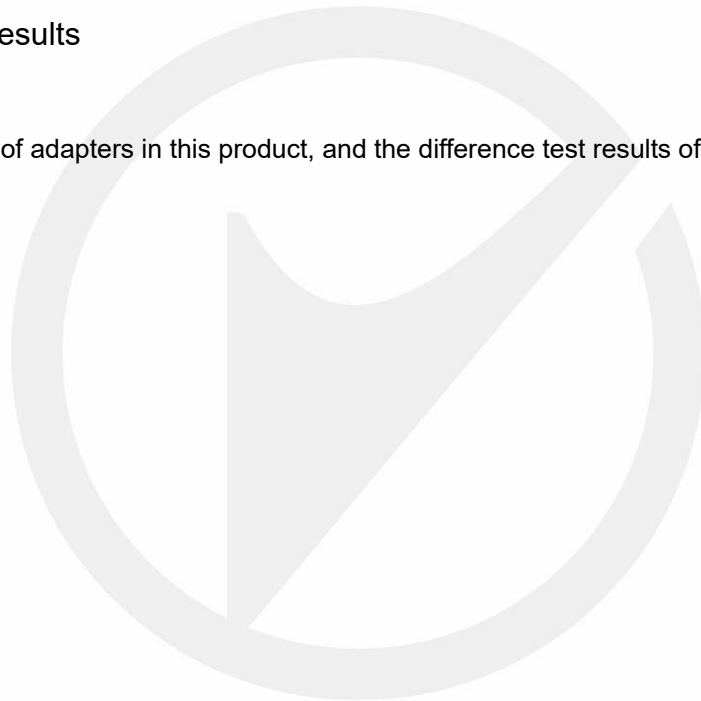
Emission Level (dB μ V) = LISN Factor (dB) + Cable Loss (dB) + Reading (dB μ V)

Margin (dB) = Emission Level (dB μ V) - Limit (dB μ V)

5.4. Measuring Results

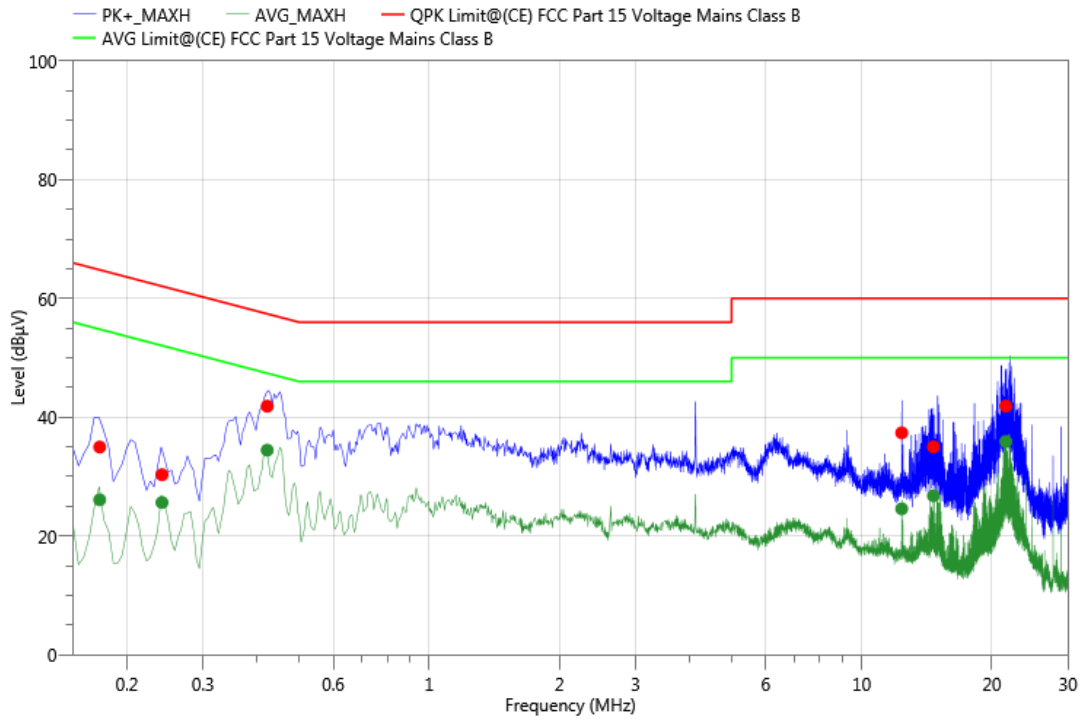
Pass.

There are two kinds of adapters in this product, and the difference test results of the two adapters are as follows:



Adapter: RSS1001-180120-W2

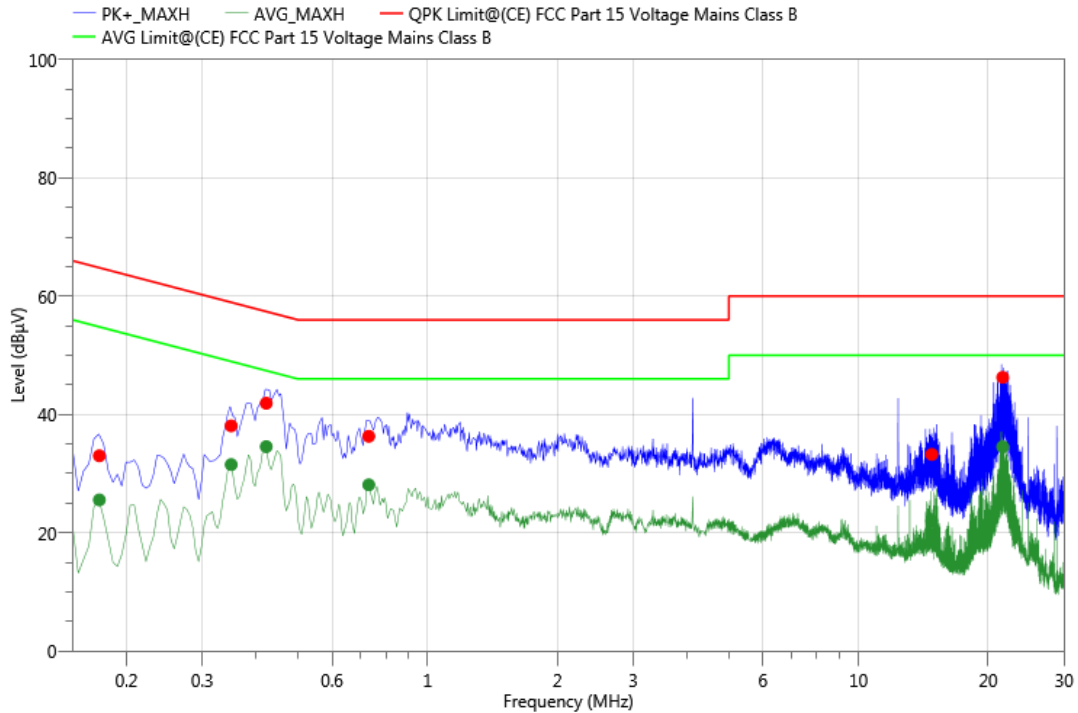
Project Information			
Mode:	Wireless Charging	Voltage:	AC 120V/60Hz
Environment:	Temp:24℃; Humi: 67%	Engineer:	Kerwin Guo



Freq. (MHz)	Reading (dBμV)	Meas. (dBμV)	Limit (dBμV)	Margin (dB)	Det.	Line	Corr. (dB)	Verdict
0.173	25.07	34.97	64.82	29.85	QPK	L1	9.9	PASS
0.173	16.19	26.09	54.82	28.73	AVG	L1	9.9	PASS
0.241	20.45	30.31	62.06	31.75	QPK	L1	9.86	PASS
0.241	15.77	25.63	52.06	26.43	AVG	L1	9.86	PASS
0.422	32.14	41.85	57.41	15.56	QPK	L1	9.71	PASS
0.422	24.74	34.45	47.41	12.96	AVG	L1	9.71	PASS
12.369	27.56	37.37	60.00	22.63	QPK	L1	9.81	PASS
12.369	14.76	24.57	50.00	25.43	AVG	L1	9.81	PASS
14.648	25.18	35.00	60.00	25.00	QPK	L1	9.82	PASS
14.648	16.95	26.77	50.00	23.23	AVG	L1	9.82	PASS
21.535	32.06	41.88	60.00	18.12	QPK	L1	9.82	PASS
21.535	26.09	35.91	50.00	14.09	AVG	L1	9.82	PASS

Adapter: RSS1001-180120-W2

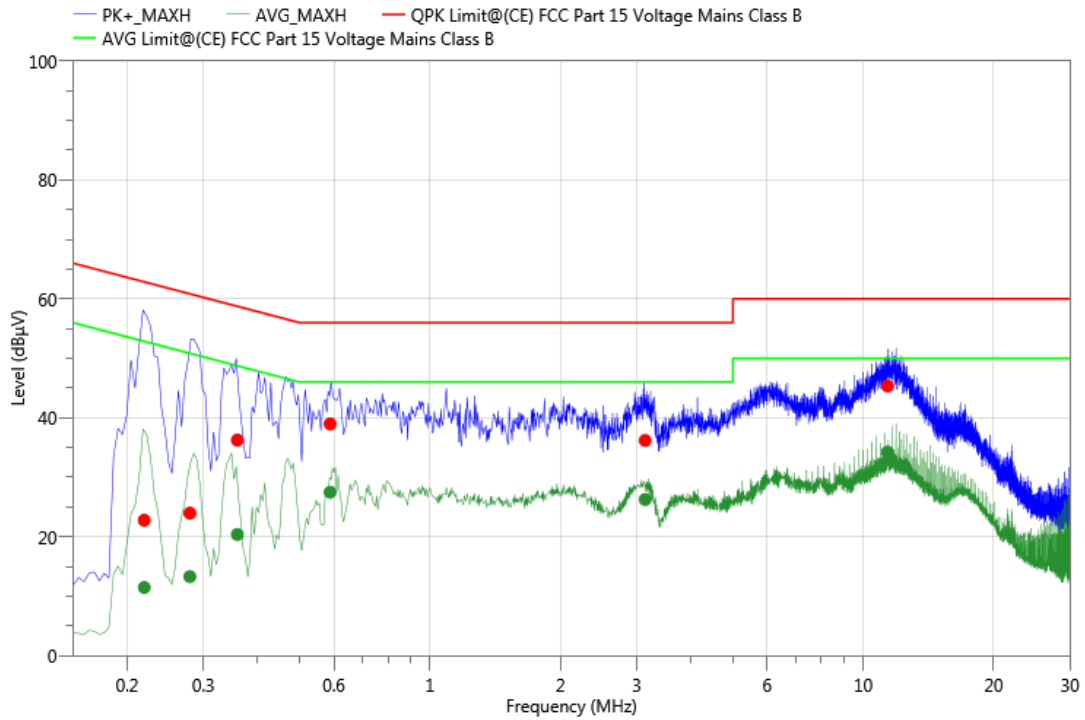
Project Information			
Mode:	Wireless Charging	Voltage:	AC 120V/60Hz
Environment:	Temp:24℃; Humi: 67%	Engineer:	Kerwin Guo



Freq. (MHz)	Reading (dBμV)	Meas. (dBμV)	Limit (dBμV)	Margin (dB)	Det.	Line	Corr. (dB)	Verdict
0.173	23.13	33.01	64.82	31.81	QPK	N	9.88	PASS
0.173	15.67	25.55	54.82	29.27	AVG	N	9.88	PASS
0.350	28.28	38.07	58.96	20.89	QPK	N	9.79	PASS
0.350	21.73	31.52	48.96	17.44	AVG	N	9.79	PASS
0.422	32.18	41.90	57.41	15.51	QPK	N	9.72	PASS
0.422	24.83	34.55	47.41	12.86	AVG	N	9.72	PASS
0.730	26.52	36.31	56.00	19.69	QPK	N	9.79	PASS
0.730	18.31	28.10	46.00	17.90	AVG	N	9.79	PASS
14.787	23.43	33.24	60.00	26.76	QPK	N	9.81	PASS
14.787	12.16	21.97	50.00	28.03	AVG	N	9.81	PASS
21.602	36.49	46.27	60.00	13.73	QPK	N	9.78	PASS
21.602	24.75	34.53	50.00	15.47	AVG	N	9.78	PASS

Adapter: HP18A-1201500-AU

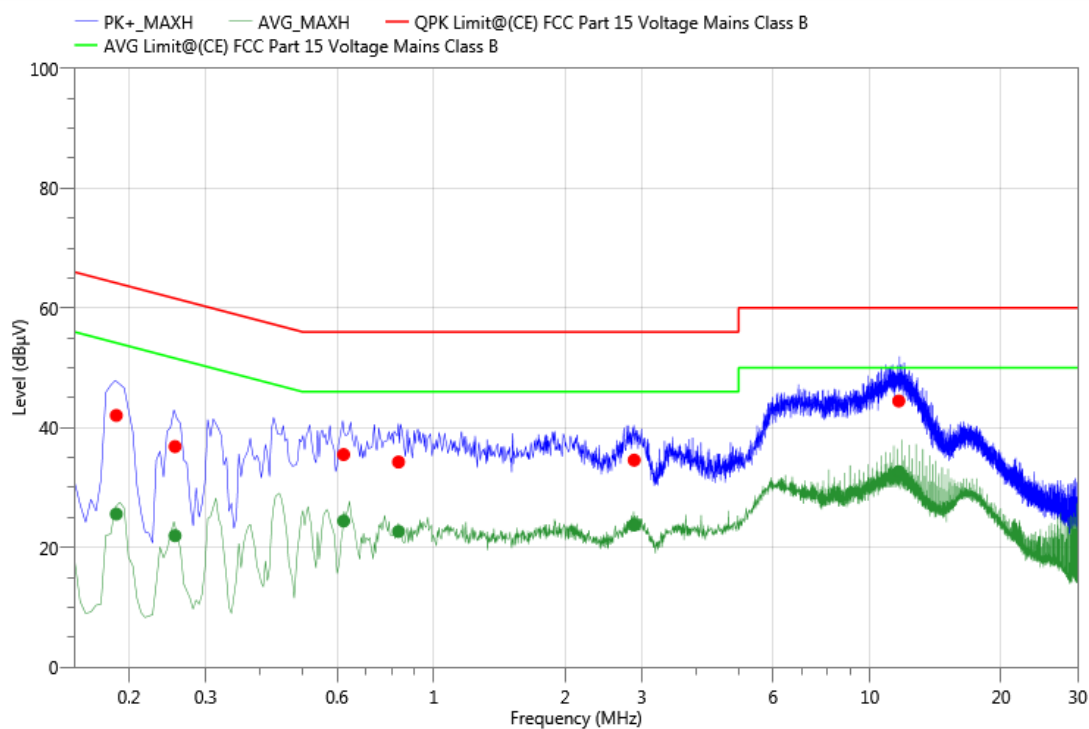
Project Information			
Mode:	Wireless Charging	Voltage:	AC 120V/60Hz
Environment:	Temp:24℃; Humi: 67%	Engineer:	Kerwin Guo



Freq. (MHz)	Reading (dBμV)	Meas. (dBμV)	Limit (dBμV)	Margin (dB)	Det.	Line	Corr. (dB)	Verdict
0.219	12.85	22.77	62.86	40.09	QPK	L1	9.92	PASS
0.219	1.53	11.45	52.86	41.41	AVG	L1	9.92	PASS
0.279	14.23	23.96	60.85	36.89	QPK	L1	9.73	PASS
0.279	3.55	13.28	50.85	37.57	AVG	L1	9.73	PASS
0.359	26.41	36.25	58.75	22.50	QPK	L1	9.84	PASS
0.359	10.53	20.37	48.75	28.38	AVG	L1	9.84	PASS
0.588	29.24	38.97	56.00	17.03	QPK	L1	9.73	PASS
0.588	17.75	27.48	46.00	18.52	AVG	L1	9.73	PASS
3.136	26.45	36.19	56.00	19.81	QPK	L1	9.74	PASS
3.136	16.51	26.25	46.00	19.75	AVG	L1	9.74	PASS
11.374	35.54	45.35	60.00	14.65	QPK	L1	9.81	PASS
11.374	24.42	34.23	50.00	15.77	AVG	L1	9.81	PASS

Adapter: HP18A-1201500-AU

Project Information			
Mode:	Wireless Charging	Voltage:	AC 120V/60Hz
Environment:	Temp:24℃; Humi: 67%	Engineer:	Kerwin Guo



Freq. (MHz)	Reading (dBμV)	Meas. (dBμV)	Limit (dBμV)	Margin (dB)	Det.	Line	Corr. (dB)	Verdict
0.187	32.10	42.04	64.17	22.13	QPK	N	9.94	PASS
0.187	15.63	25.57	54.17	28.60	AVG	N	9.94	PASS
0.255	27.01	36.85	61.59	24.74	QPK	N	9.84	PASS
0.255	12.12	21.96	51.59	29.63	AVG	N	9.84	PASS
0.621	25.73	35.51	56.00	20.49	QPK	N	9.78	PASS
0.621	14.63	24.41	46.00	21.59	AVG	N	9.78	PASS
0.830	24.48	34.26	56.00	21.74	QPK	N	9.78	PASS
0.830	12.88	22.66	46.00	23.34	AVG	N	9.78	PASS
2.881	24.85	34.57	56.00	21.43	QPK	N	9.72	PASS
2.881	14.02	23.74	46.00	22.26	AVG	N	9.72	PASS
11.648	34.64	44.45	60.00	15.55	QPK	N	9.81	PASS
11.648	22.83	32.64	50.00	17.36	AVG	N	9.81	PASS

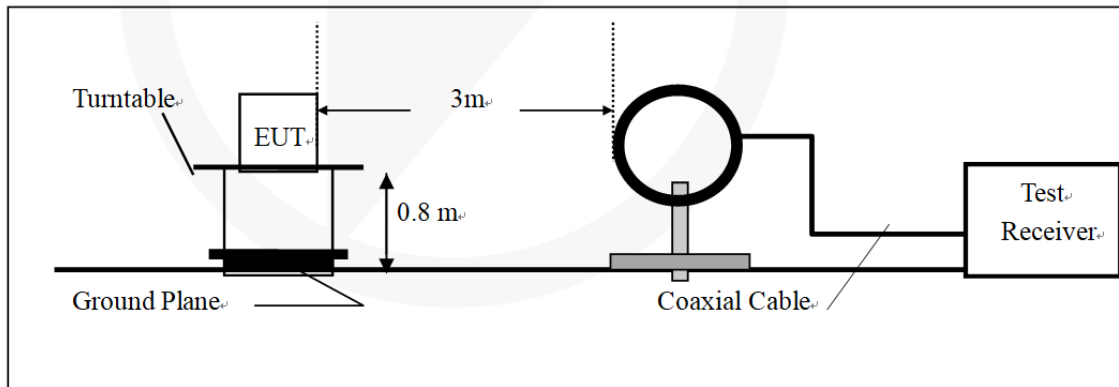
6. RADIATED EMISSION TEST

6.1.Measurement Procedure

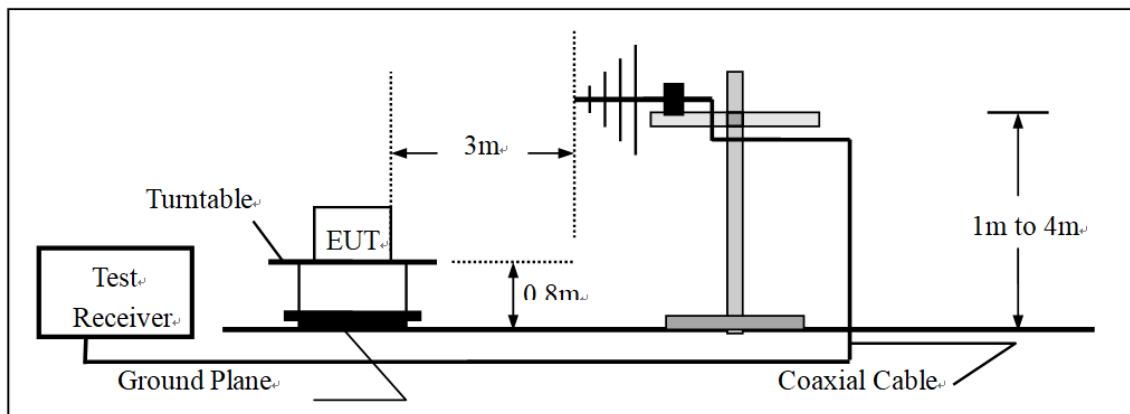
1. The EUT was placed on a turn table which is 0.8m above ground plane.
2. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
3. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
4. Repeat above procedures until all frequency measured were complete.
5. Use the following receiver/spectrum analyzer settings:
Span = wide enough to fully capture the emission being measured
RBW=200Hz for 9KHz to 150KHz,
RBW=9kHz for 150KHz to 30MHz,
RBW=120KHz for 30MHz to 1GHz
VBW $\geq 3 \times$ RBW
Sweep = auto
Detector function = QP
Trace = max hold

6.2.Test SET-UP (Block Diagram of Configuration)

(A)Radiated Emission Test Set-Up, Frequency Below 30MHz



(B) Radiated Emission Test Set-Up, Frequency Below 1000MHz



6.3. Radiated Emission Limit

The emissions from an intentional radiator shall not exceed the field strength levels specified in the following table 15.209(a):

FCC Part 15.209				
Frequency (MHz)	Field Strength Limitation		Field Strength Limitation Frequency tion at 3m Measurement Dist	
	(uV/m)	Dist	(uV/m)	(dBuV/m)
0.009 – 0.490	2400 / F(KHz)	300m	10000 * 2400/F(KHz)	20log 2400/F(KHz) + 80
0.490 – 1.705	24000 / F(KHz)	30m	100 * 24000/F(KHz)	20log 24000/F(KHz) + 40
1.705 – 30.00	30	30m	100* 30	20log 30 + 40
30.0 – 88.0	100	3m	100	20log 100
88.0 – 216.0	150	3m	150	20log 150
216.0 – 960.0	200	3m	200	20log 200
Above 960.0	500	3m	500	20log 500

15.205 Restricted bands of operation

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
10.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	(2)
13.36-13.41			

Remark: 1. Emission level in dBuV/m=20 log (uV/m)
 2. Measurement was performed at an antenna to the closed point of EUT distance of meters.
 3. Only spurious frequency is permitted to locate within the Restricted Bands specified in provision of § 15.205, and the emissions located in restricted bands also comply with 15.209 limit.

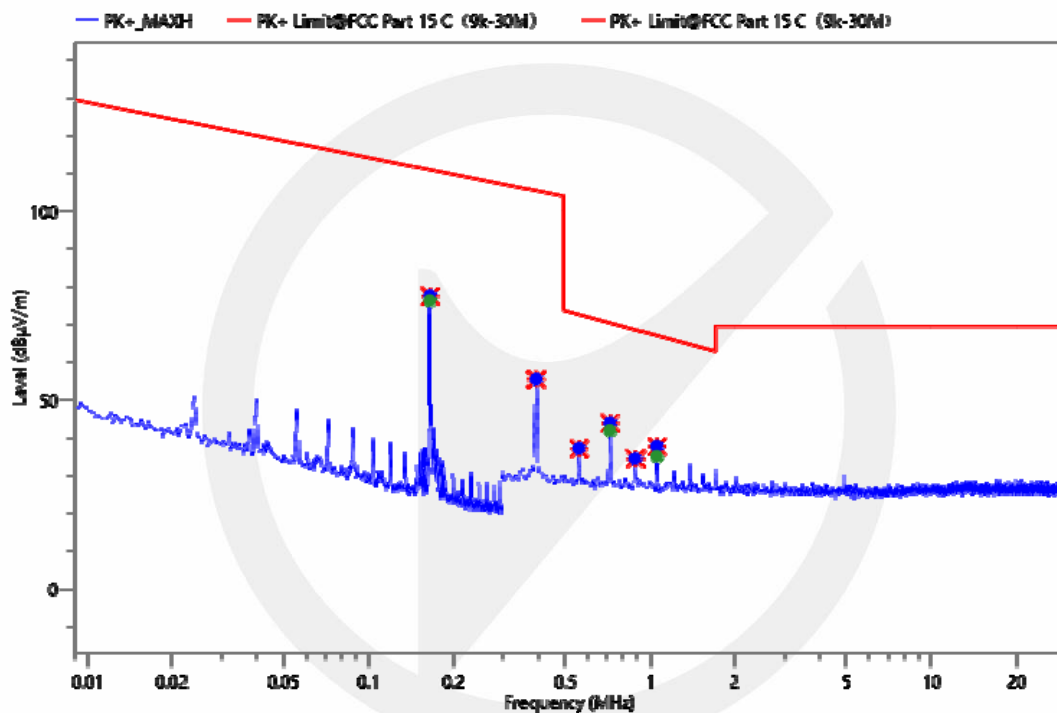
6.4.Measurement Result

There are two kinds of adapters in this product, and the difference test results of the two adapters are as follows:

9KHz-30 MHz:

Adapter: RSS1001-180120-W2

Project Information			
Mode:	Wireless Charging	Voltage:	AC 120V/60Hz
Environment:	Temp: 19°C; Humi:72%	Engineer:	Chloe Cheng

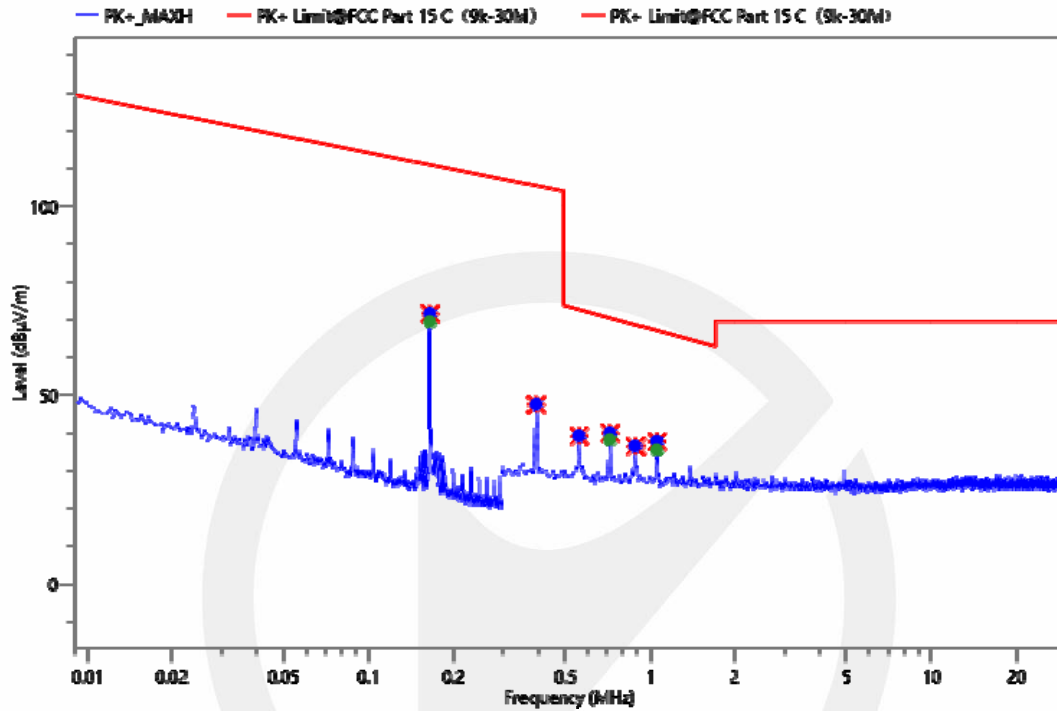


Freq. (MHz)	Reading (dBµV)	Meas. (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Det.	Corr. (dB)	Verdict
0.164	57.14	77.52	111.03	33.51	PK+	20.38	PASS
0.392	35.40	55.48	105.50	50.02	PK+	20.08	PASS
0.558	17.01	37.16	72.67	35.51	PK+	20.15	PASS
0.722	23.69	43.91	70.44	26.53	PK+	20.22	PASS
0.888	14.16	34.46	68.64	34.18	PK+	20.3	PASS
1.051	17.42	37.71	67.17	29.46	PK+	20.29	PASS

Freq. (MHz)	Reading (dBµV)	Meas. (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Det.	Corr. (dB)	Verdict
0.164	55.86	76.24	111.03	34.79	AVG	20.38	PASS
0.722	21.65	41.87	70.44	28.57	AVG	20.22	PASS
1.051	14.74	35.03	67.17	32.14	AVG	20.29	PASS

Adapter: HP18A-1201500-AU

Project Information			
Mode:	Wireless Charging	Voltage:	AC 120V/60Hz
Environment:	Temp: 19°C; Humi:72%	Engineer:	Chloe Cheng



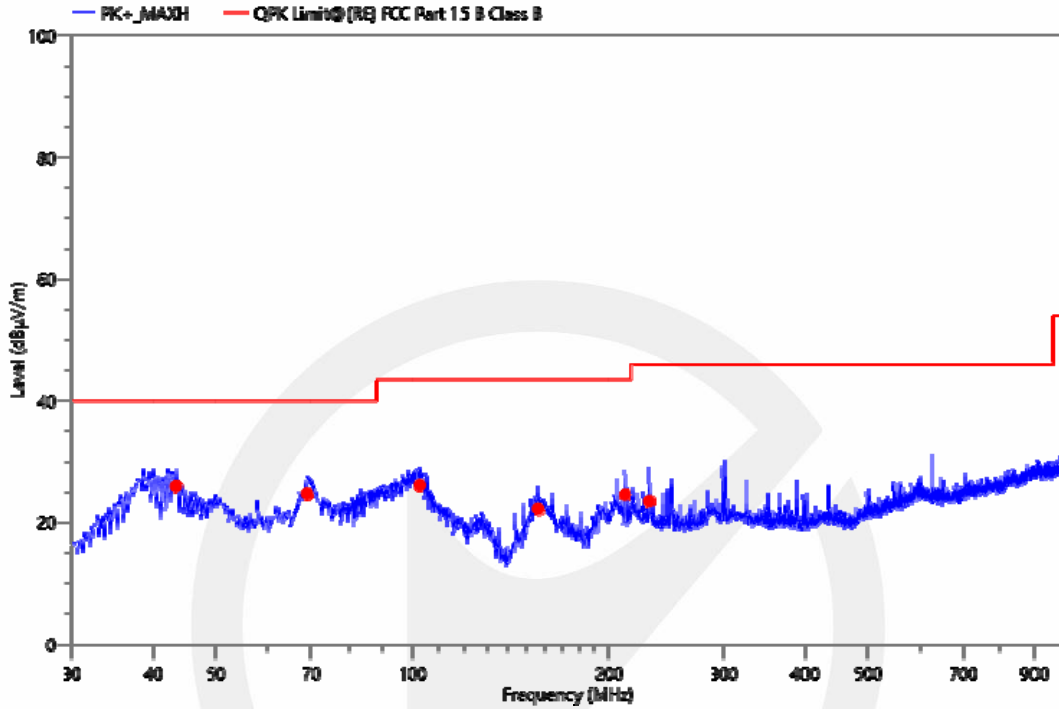
Freq. (MHz)	Reading (dBµV)	Meas. (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Det.	Corr. (dB)	Verdict
0.164	51.14	71.52	111.03	39.51	PK+	20.38	PASS
0.392	27.40	47.48	105.50	58.02	PK+	20.08	PASS
0.558	19.01	39.16	72.67	33.51	PK+	20.15	PASS
0.722	19.69	39.91	70.44	30.53	PK+	20.22	PASS
0.888	16.16	36.46	68.64	32.18	PK+	20.3	PASS
1.051	17.42	37.71	67.17	29.46	PK+	20.29	PASS

Freq. (MHz)	Reading (dBµV)	Meas. (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Det.	Corr. (dB)	Verdict
0.164	48.99	69.37	111.03	41.66	AVG	20.38	PASS
0.722	17.89	38.11	70.44	32.33	AVG	20.22	PASS
1.051	15.13	35.42	67.17	31.75	AVG	20.29	PASS

30MHz-1GHz:

Adapter: RSS1001-180120-W2

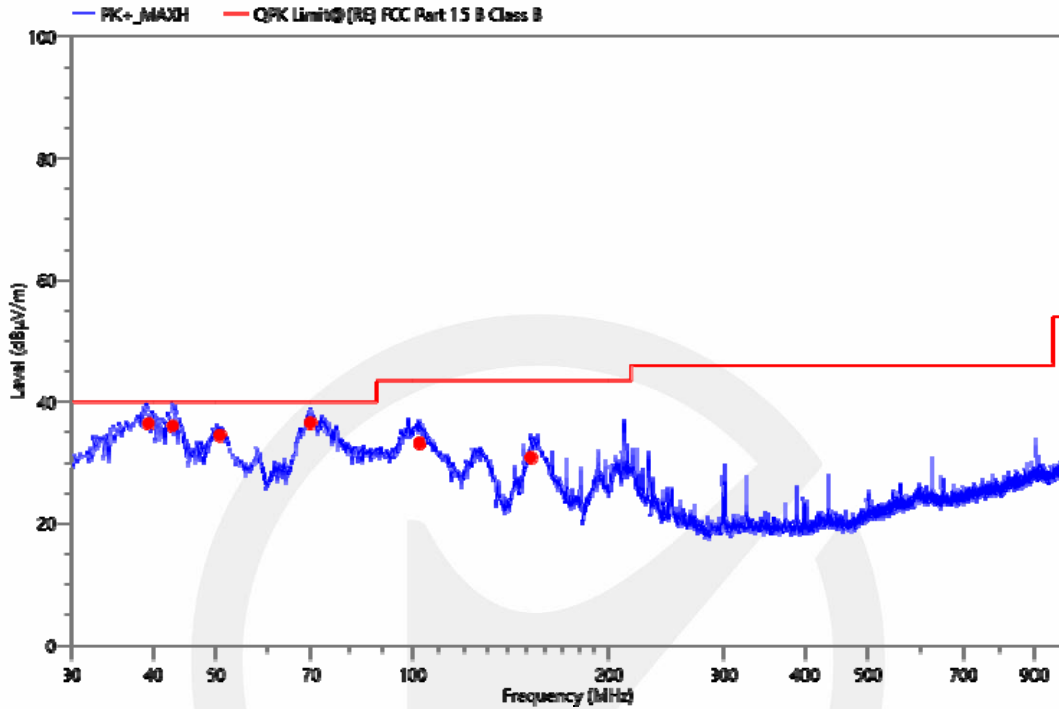
Project Information			
Mode:	Wireless charging	Voltage:	AC 120V/60Hz
Environment:	Temp: 21°C; Humi:66%	Engineer:	Jackson Xue



Freq. (MHz)	Reading (dBμV)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Height (cm)	Pol.	Azimuth (deg)	Corr. (dB)	Verdict
43.386	50.15	25.93	40.00	14.07	QPK	200	H	280.7	-24.22	PASS
68.994	51.65	24.72	40.00	15.28	QPK	100	H	115.6	-26.93	PASS
102.750	51.58	26.09	43.50	17.41	QPK	200	H	226.5	-25.49	PASS
156.100	49.16	22.20	43.50	21.30	QPK	100	H	78.5	-26.96	PASS
211.875	48.92	24.56	43.50	18.94	QPK	100	H	110.8	-24.36	PASS
231.081	47.15	23.46	46.00	22.54	QPK	200	H	47.7	-23.69	PASS

Adapter: RSS1001-180120-W2

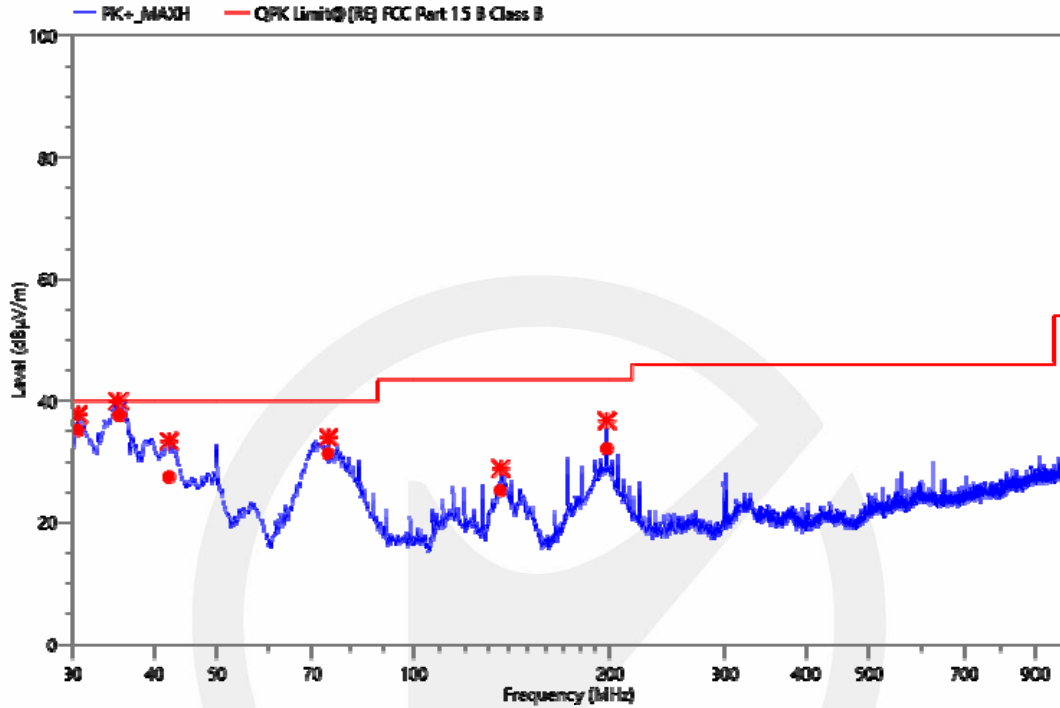
Project Information			
Mode:	Wireless charging	Voltage:	AC 120V/60Hz
Environment:	Temp: 21°C; Humi:66%	Engineer:	Jackson Xue



Freq. (MHz)	Reading (dBμV)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Height (cm)	Pol.	Azimuth (deg)	Corr. (dB)	Verdict
39.320	61.02	36.41	40.00	3.59	QPK	100	V	200.4	-24.61	PASS
42.884	60.26	35.99	40.00	4.01	QPK	100	V	80.3	-24.27	PASS
50.732	58.74	34.46	40.00	5.54	QPK	100	V	27.6	-24.28	PASS
69.793	63.54	36.52	40.00	3.48	QPK	100	V	57.5	-27.02	PASS
102.556	58.70	33.23	43.50	10.27	QPK	100	V	253.4	-25.47	PASS
151.929	57.76	30.83	43.50	12.67	QPK	100	V	253.4	-26.93	PASS

Adapter: HP18A-1201500-AU

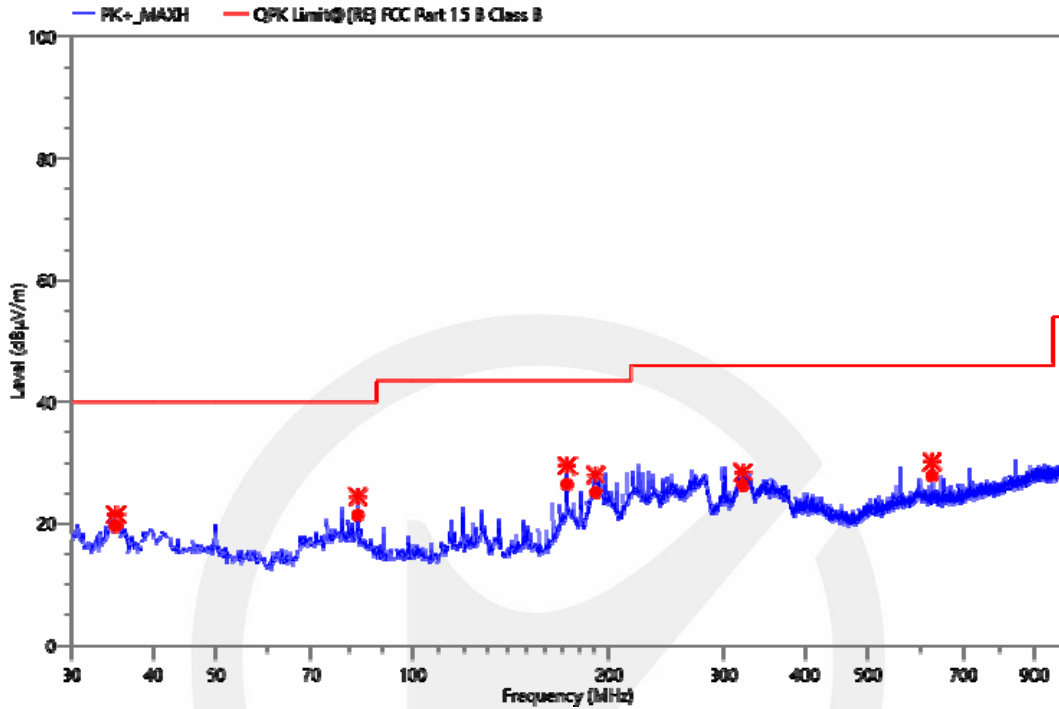
Project Information			
Mode:	Wireless charging	Voltage:	AC 120V/60Hz
Environment:	Temp: 21°C; Humi:66%	Engineer:	Jackson Xue



Freq. (MHz)	Reading (dBμV)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Height (cm)	Pol.	Azimuth (deg)	Corr. (dB)	Verdict
30.581	60.51	35.19	40.00	4.81	QPK	100.0	V	254.8	-25.32	PASS
35.371	62.57	37.64	40.00	2.36	QPK	100.0	V	335.3	-24.93	PASS
42.106	51.86	27.51	40.00	12.49	QPK	100.0	V	125.9	-24.35	PASS
74.062	58.28	31.29	40.00	8.71	QPK	100.0	V	143.5	-26.99	PASS
135.756	53.20	25.29	43.50	18.21	QPK	100.0	V	319.0	-27.91	PASS
197.493	57.01	32.14	43.50	11.36	QPK	100.0	V	202.1	-24.87	PASS

Adapter: HP18A-1201500-AU

Project Information			
Mode:	Wireless charging	Voltage:	AC 120V/60Hz
Environment:	Temp: 21°C; Humi:66%	Engineer:	Jackson Xue



Freq. (MHz)	Reading (dBμV)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Height (cm)	Pol.	Azimuth (deg)	Corr. (dB)	Verdict
35.044	44.53	19.57	40.00	20.43	QPK	200	H	160.1	-24.96	PASS
82.186	48.10	21.36	40.00	18.64	QPK	200	H	308.5	-26.74	PASS
172.784	52.85	26.41	43.50	17.09	QPK	200	H	83.1	-26.44	PASS
190.632	50.57	25.11	43.50	18.39	QPK	200	H	258.6	-25.46	PASS
321.097	47.47	26.33	46.00	19.67	QPK	100	H	103.4	-21.14	PASS
625.095	42.87	27.84	46.00	18.16	QPK	100	H	260.9	-15.03	PASS

7. ANTENNA APPLICATION

7.1. Antenna Requirement

Standard	Requirement
FCC CRF Part 15.203	An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. 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. This requirement does not apply to carrier current devices or to devices operated under the provisions of §15.211, §15.213, §15.217, §15.219, or §15.221. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with §15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

7.2. Result

Pass

Note: The EUT has 1 antenna: The internal antenna gain is 0.0 dBi;

- ☒ Antenna use a permanently attached antenna which is not replaceable.
- ☐ Not using a standard antenna jack or electrical connector for antenna replacement
- ☐ The antenna has to be professionally installed (please provide method of installation) which in accordance to section 15.203, please refer to the internal photos.

*** End of Report ***

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Objections shall be raised within 20 days from the date receiving the report.