

TEST REPORT

Product Name : FURNITURE POWER
DISTRIBUTION UNITS
Model Number : SLPU-2P1U1C1S-WL,
SLPU-2P2U1S-WL,
SLPU-2P1U1C1S-RC-WL
FCC ID : 2BT3O-0680SA

Prepared for : Self Electronics Co., Ltd.
Address : No. 1345 Ju Xian Road Ningbo Hi Tech Park Ningbo
315103 P.R. China

Prepared by : EMTEK (NINGBO) CO., LTD.
Address : No. 8, Building 8, Lane 216, Qingyi Road, Ningbo
High-Tech Zone, Ningbo, Zhejiang, China

Tel: +86-574-27907998

Fax: +86-574-27721538

Report Number : ENB2605090145W00101R
Date(s) of Tests : May 09, 2026 to May 20, 2026
Date of Issue : May 22, 2026

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1 TEST RESULT CERTIFICATION

Applicant : Self Electronics Co., Ltd.
Address : No. 1345 Ju Xian Road Ningbo Hi Tech Park Ningbo 315103 P.R. China
Manufacturer : Self Electronics Co., Ltd.
Address : No. 1345 Ju Xian Road Ningbo Hi Tech Park Ningbo 315103 P.R. China
EUT : FURNITURE POWER DISTRIBUTION UNITS
Model Name : SLPU-2P1U1C1S-WL, SLPU-2P2U1S-WL, SLPU-2P1U1C1S-RC-WL
Trademark : Self

Measurement Procedure Used:

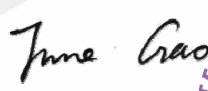
APPLICABLE STANDARDS	
STANDARD	TEST RESULT
FCC 47 CFR Part 2, Subpart J FCC 47 CFR Part 15, Subpart C	PASS

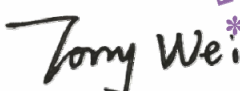
The above equipment was tested by EMTEK(NINGBO) CO., LTD. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.10 (2013) and the energy emitted by the sample EUT tested as described in this report is in compliance with the requirements of FCC Rules Part 2 and Part 15.249

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

Date of Test : May 09, 2026 to May 20, 2026

Prepared by : 
WK Luo /Engineer

Reviewer : 
June Gao /Supervisor

Approved & Authorized Signer : 
Tony Wei /Manager

Modified History

Version	Report No.	Revision Date	Summary
Ver.1.0	ENB2605090145W00101R	/	Original Report

Note: This application is for the terminal device model of the reporting module. The terminal device models include SLPU-2P1U1C1S-WL, SLPU-2P2U1S-WL, SLPU-2P1U1C1S-RC-WL. All these models will use the wireless module with the model number SLPU-0680SA. The module has passed the certification and its FCC ID is 2BT3O-0680SA. This application has conducted verification tests on the reported terminal devices.



2 EUT TECHNICAL DESCRIPTION

Product:	FURNITURE POWER DISTRIBUTION UNITS
Model Number:	SLPU-2P1U1C1S-WL, SLP-2P2U1S-WL, SLP-2P1U1C1S-RC-WL Note: The difference between model SLP-2P1U1C1S-WL and model SLP-2P2U1S-WL lies only in the DC power output interface. Model SLP-2P1U1C1S-WL has one Type C interface and one USB interface, while model SLP-2P2U1S-WL has two USB interfaces. The difference between the model SLP-2P1U1C1S-WL and the model SLP-2P1U1C1S-RC-WL lies in their dimensions, socket directions, and control boards. The other circuit schematics and PCB layouts, including the wireless module, are the same. We have conducted verification tests on both SLP-2P1U1C1S-WL and SLP-2P1U1C1S-RC-WL respectively.
Sample Number:	ENB2605090145W001-1-3, ENB2605090145W001-3-3
Test Voltage:	AC 120V/60Hz
Modulation:	MSK
Frequency Range:	2436.199 MHz
Max Transmit Power:	87.73 dBuV/m
Antenna:	PCB antenna
Antenna Gain:	9.5 dBi
Temperature Range:	-20°C ~ 35°C
Date of Received:	May 09, 2026

Note: for more details, please refer to the user's manual of the EUT.

3 SUMMARY OF TEST RESULT

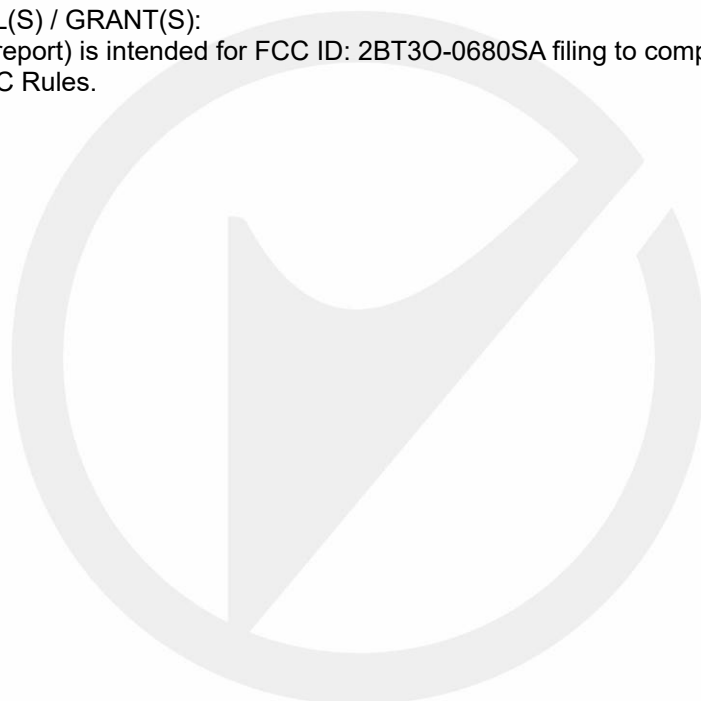
FCC Part Clause	Test Parameter	Verdict	Remark
15.207	Conducted Emission	PASS	
15.209	Radiated Emission	PASS	
15.249	Radiated Spurious Emission	N/A	
15.249	Band edge test	N/A	
15.249	20dB Bandwidth	N/A	
15.203	Antenna Requirement	PASS	

NOTE1: N/A is an abbreviation for not applicable

NOTE2: The report use radiated measurements in the restricted frequency bands. In addition, the radiated test is also performed to ensure the emissions emanating from the device cabinet also comply with the applicable limits.

RELATED SUBMITTAL(S) / GRANT(S):

This submittal(s) (test report) is intended for FCC ID: 2BT3O-0680SA filing to comply with Section 15.249 of the FCC Part 15, Subpart C Rules.



4 TEST METHODOLOGY

4.1 GENERAL DESCRIPTION OF APPLIED STANDARDS

According to its specifications, the EUT must comply with the requirements of the following standards:

FCC 47 CFR Part 2, Subpart J

FCC 47 CFR Part 15, Subpart C

4.2 MEASUREMENT EQUIPMENT USED

Conducted Emission Test Equipment

Equ. No.	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
ENE-001	EMI Test Receiver	R & S	ESCI	101108	Oct. 24, 2025	1 Year
ENE-336	L.I.S.N	Schwarzbeck	NSLK 8126	8126-05059	June 18, 2025	1 Year
ENE-159	Pulse Limiter	Schwarzbeck	VTSD 9561F-N	2611115-001-0033	Oct. 23, 2025	1 Year
ENE-278	RF Switching Unit	HTEC	HRSU	222101	June 19, 2025	1 Year
ENE-149	Conduction Test Room 1#	SKET	11.5*5*4m	/	March 05, 2025	3 Year

For Spurious Emissions Test

Equ. No.	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
ENE-185	EMI Test Receiver	R&S	ESR7	102480	March 02, 2026	1 Year
ENE-190	Antenna Multiple	Schwarzbeck	VULB 9163	01499	March 05, 2025	3 Year
ENE-195	Pre-Amplifier	JS Denki	PA09K03-40	JSPA21019	March 02, 2026	1 Year
ENE-204	Low Frequency Notch Filter RF Switching	JS Denki	JSDSW-F	JSDSW2211 D02	March 02, 2026	1 Year
ENE-251	6dB Attenuator	Mini-Circuits	UNAT-6+	11542	June 18, 2025	1 Year
ENE-171	EXA Signal Analyzer	KEYSIGHT	N9010B	MY60242467	Oct. 24, 2025	1 Year
ENE-191	Horn Antenna	Schwarzbeck	BBHA 9120 D	02588	March 09, 2025	3 Year
ENE-198	Pre-Amplifier	JS Denki	PA0118-50	JSPA21022	March 02, 2026	1 Year
ENE-206	High Frequency Notch FilterRf Switching	JS Denki	JSDSW-F	202083582	March 02, 2026	1 Year
ENE-144	3-Meter Anechoic Chamber 2#	SKET	9*6*6m	/	March 05, 2025	3 Year

4.3 DESCRIPTION OF TEST MODES

The EUT has been tested under its typical operating condition.

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner which intends to maximize its emission characteristics in a continuous normal application.

The Transmitter was operated in the normal operating mode. The TX frequency was fixed which was for the purpose of the measurements.

All frequencies are tested, then record on this report.

The EUT has been tested under its typical operating condition so those modulation and channel were used for all test.

Pre-defined engineering program for regulatory testing used to control the EUT for staying in continuous transmitting and receiving mode is programmed.

Frequency and Channel list:

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	2436.199				
Note: N/A					

Test Frequency and Channel list:

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	2436.199				
Note: N/A					

5 FACILITIES AND ACCREDITATIONS

5.1 FACILITIES

All measurement facilities used to collect the measurement data are located at EMTEK (NINGBO) CO., LTD.

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

The sites are constructed in conformance with the requirements of ANSI C63.7, ANSI C63.10 and CISPR Publication 32.

5.2 LABORATORY ACCREDITATIONS AND LISTINGS

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 Number is 4321.03.

Accredited by ISED

The Conformity Assessment Body Identifier is CN0114

Name of Firm

: EMTEK (NINGBO) CO., LTD.

Site Location

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

6 TEST SYSTEM UNCERTAINTY

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

Test Parameter	Measurement Uncertainty
Frequency error	±20Hz
Occupied Bandwidth	±0.5KHz
Transmitter output power	±0.6dB
Conducted spurious emissions	±3.2dB
Radiated spurious emissions	±4.5dB
Temperature	±1.2°C
Humidity	±3%
DC voltages	±0.25V
Time	±1%

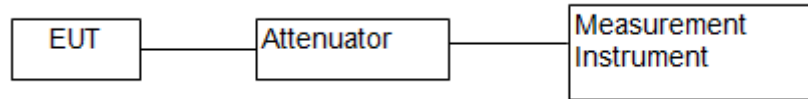
Measurement Uncertainty for a level of Confidence of 95%



7 SETUP OF EQUIPMENT UNDER TEST

7.1 RADIO FREQUENCY TEST SETUP 1

The EUT wireless component's antenna ports(s) of the EUT are connected to the measurement instrument per an appropriate attenuator. The EUT is controlled by PC/software to emit the specified signals for the purpose of measurements.



7.2 RADIO FREQUENCY TEST SETUP 2

The test site semi-anechoic chamber has met the requirement of NSA tolerance 4 dB according to the standards: ANSI C63.10. The test distance is 3m. The setup is according to the requirements in Section 13.1.4.1 of ANSI C63.10-2013 and CAN/CSA-CEI/IEC CISPR 22.

Below 30MHz:

The EUT is placed on a turntable 0.8 meters above the ground in the chamber, 3 meter away from the antenna (loop antenna). The Antenna should be positioned with its plane vertical at the specified distance from the EUT and rotated about its vertical axis for maximum response at each azimuth about the EUT. The center of the loop shall be 1 m above the ground. For certain applications, the loop antenna plane may also need to be positioned horizontally at the specified distance from the EUT.

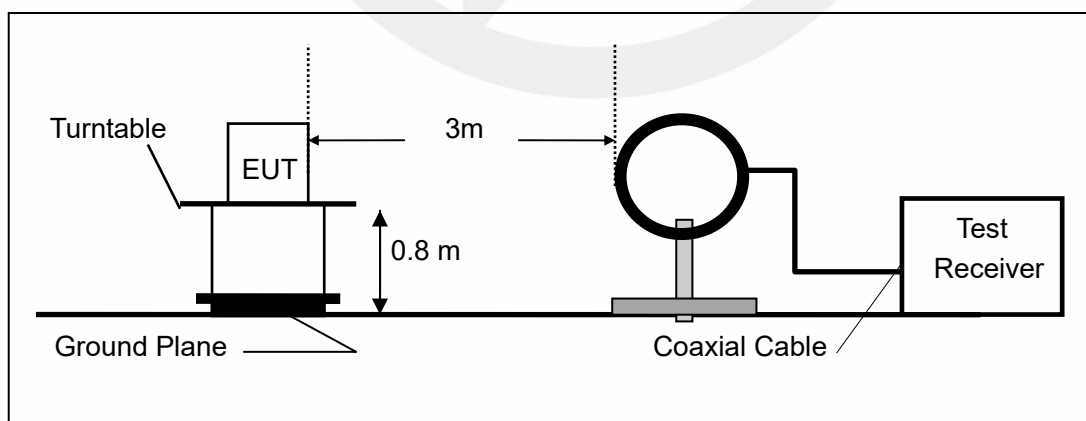
30MHz-1GHz:

The EUT is placed on a turntable 0.8 meters above the ground in the chamber, 3 meter away from the antenna. The maximal emission value is acquired by adjusting the antenna height, polarisation and turntable azimuth. Normally, the height range of antenna is 1 m to 4 m, the azimuth range of turntable is 0° to 360°, and the receive antenna has two polarizations Vertical (V) and Horizontal (H).

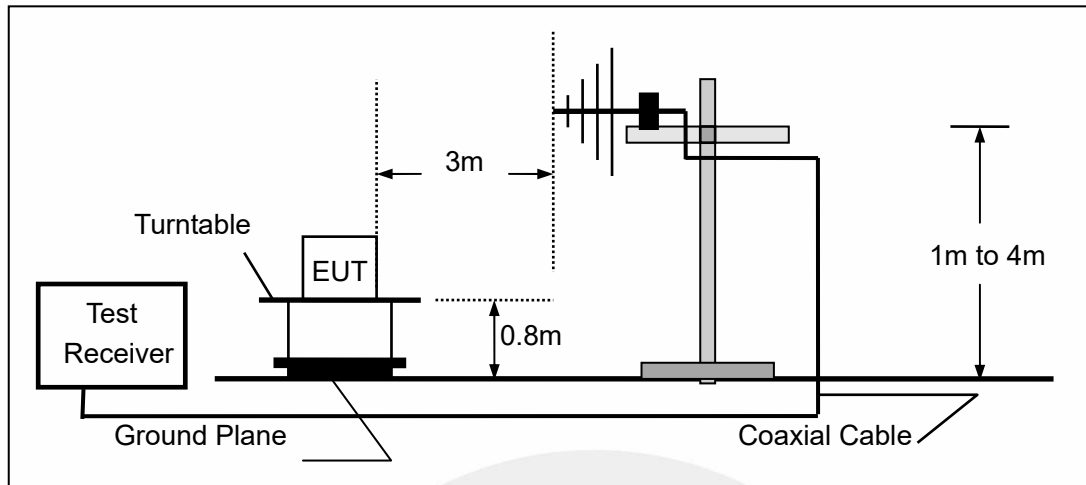
Above 1GHz:

The EUT is placed on a turntable 1.5 meters above the ground in the chamber, 3 meter away from the antenna. The maximal emission value is acquired by adjusting the antenna height, polarisation and turntable azimuth. Normally, the height range of antenna is 1 m to 4 m, the azimuth range of turntable is 0° to 360°, and the receive antenna has two polarizations Vertical (V) and Horizontal (H).

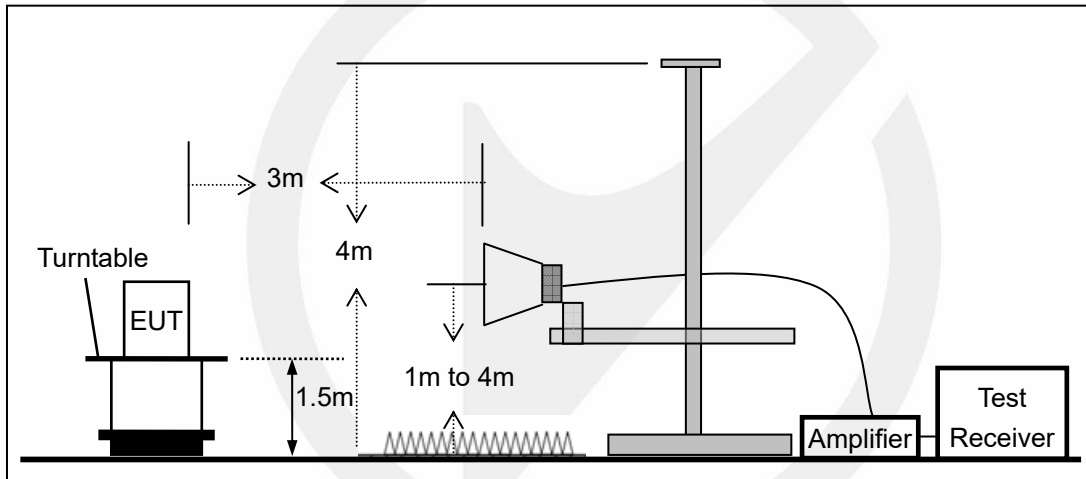
(a) Radiated Emission Test Set-Up, Frequency Below 30MHz



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



(c) Radiated Emission Test Set-Up, Frequency above 1000MHz

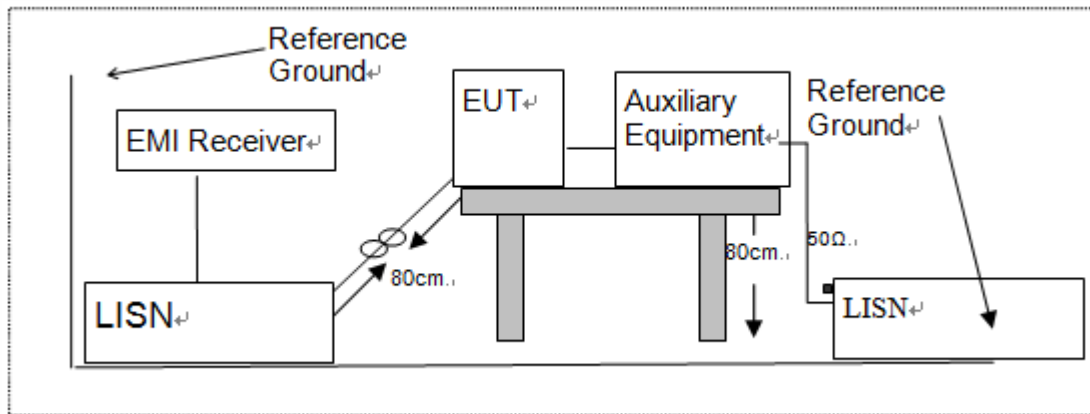


7.3 CONDUCTED EMISSION TEST SETUP

The mains cable of the EUT (maybe per AC/DC Adapter) must be connected to LISN. The LISN shall be placed 0.8 m from the boundary of EUT and bonded to a ground reference plane for LISN mounted on top of the ground reference plane. This distance is between the closest points of the LISN and the EUT. All other units of the EUT and associated equipment shall be at least 0.8m from the LISN.

Ground connections, where required for safety purposes, shall be connected to the reference ground point of the LISN and, where not otherwise provided or specified by the manufacturer, shall be of same length as the mains cable and run parallel to the mains connection at a separation distance of not more than 0.1 m.

According to the requirements in Section 13.1.4.1 of ANSI C63.10-2013 Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30 MHz using CISPR Quasi-Peak and average detector mode.



7.4 SUPPORT EQUIPMENT

EUT Cable List and Details			
Cable Description	Length (m)	Shielded/Unshielded	With / Without Ferrite
/	/	/	/

Auxiliary Cable List and Details			
Cable Description	Length (m)	Shielded/Unshielded	With / Without Ferrite
/	/	/	/

Auxiliary Equipment List and Details			
Description	Manufacturer	Model	Serial Number
/	/	/	/

Notes:

1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
2. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.

8 TEST REQUIREMENTS

8.1 BANDWIDTH TEST

8.1.1 Applicable Standard

According to FCC Part 15.249

8.1.2 Conformance Limit

N/A

8.1.3 Test Configuration

Test according to clause 7.1 radio frequency test setup 1

8.1.4 Test Procedure

The EUT was operating in controlled its channel. Printed out the test result from the spectrum by hard copy function.

The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.

Set to the maximum power setting and enable the EUT transmit continuously

Set RBW $\geq 1\%$ of the 20 dB bandwidth (100KHz)

Set the video bandwidth (VBW) $\geq$ RBW (300KHz).

Set Span= approximately 2 to 3 times the 20 dB bandwidth

Set Detector = Peak.

Set Trace mode = max hold.

Set Sweep = auto couple.

Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 20 dB relative to the maximum level measured in the fundamental emission.

Measure and record the results in the test report.

Test Results

Temperature:	26° C
Relative Humidity:	61%
ATM Pressure:	1011 mbar

For the relevant data, please refer to report ENS2510310022W00501R.

8.2 RADIATED SPURIOUS EMISSION

8.2.1 Applicable Standard

According to FCC Part 15.249 and 15.209

8.2.2 Conformance Limit

According to FCC Part 15.249: radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

According to FCC Part 15.205, Restricted bands

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			

According to FCC Part 15.205, the level of any transmitter spurious emission in Restricted bands shall not exceed the level of the emission specified in the following table

Restricted Frequency(MHz)	Field Strength (μV/m)	Field Strength (dBμV/m)	Measurement Distance
0.009-0.490	2400/F(KHz)	20 log (uV/m)	300
0.490-1.705	24000/F(KHz)	20 log (uV/m)	30
1.705-30	30	29.5	30
30-88	100	40	3
88-216	150	43.5	3
216-960	200	46	3
Above 960	500	54	3

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. Distance extrapolation factor =40log(Specific distance/ test distance)(dB);

Limit line=Specific limits(dBuV) + distance extrapolation factor.

for the frequency ranges below 30 MHz, a narrower RBW is used for these ranges but the measured value should add a RBW correction factor (RBWCF) where RBWCF [dB] =10*lg(100 [kHz]/narrower RBW [kHz]). , the narrower RBW is 1 kHz and RBWCF is 20 dB for the frequency 9 kHz to 150 kHz, and the narrower RBW is 10 kHz and RBWCF is 10 dB for the frequency 150 kHz to 30 MHz.

Field strength of fundamental and Field strength of harmonics Limit:

Fundamental frequency	Field strength of fundamental (millivolts/meter)	Field strength of harmonics (microvolts/meter)
902-928 MHz	50(94 dBV/m)	500(54 dBV/m)
2400-2483.5 MHz	50(94 dBV/m)	500(54 dBV/m)
5725-5875 MHz	50(94 dBV/m)	500(54 dBV/m)
24.0-24.25 GHz	250(108 dBV/m)	2500(68 dBV/m)

As shown in §15.35(b), for frequencies above 1000 MHz, the field strength limits in paragraphs (a) and (b) of this section are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation

For this report

Fundamental Frequency	Field Strength Of Fundamental	Field Strength of Spurious Emissions
2400-2483.5 MHz	AV:94 dBuV/m at 3m distance	AV:54 dBuV/m at 3m distance
	PK:114 dBuV/m at 3m distance	PK:74 dBuV/m at 3m distance

8.2.3 Test Configuration

Test according to clause 7.2 radio frequency test setup 2

8.2.4 Test Procedure

This test is required for any spurious emission that falls in a Restricted Band, as defined in Section 15.205. It must be performed with the highest gain of each type of antenna proposed for use with the EUT. Use the following spectrum analyzer settings:

The EUT was placed on a turn table which is 0.8m above ground plane.

Maximum procedure was performed on the highest emissions to ensure EUT compliance.

Span = wide enough to fully capture the emission being measured

RBW = 1 MHz for $f \geq 1$ GHz(1GHz to 25GHz), 100 kHz for $f < 1$ GHz(30MHz to 1GHz)

VBW $\geq$ RBW

Sweep = auto

Detector function = peak

Trace = max hold

Follow the guidelines in ANSI C63.10-2013 with respect to maximizing the emission by rotating the EUT, measuring the emission while the EUT is situated in three orthogonal planes (if appropriate), adjusting the measurement antenna height and polarization, etc. A pre-amp and a high pass filter are required for this test, in order to provide the measuring system with sufficient sensitivity. Allow the trace to stabilize. The peak reading of the emission, after being corrected by the antenna factor, cable loss, pre-amp gain, etc., is the peak field strength, which must comply with the limit specified in Section 15.35(b). Submit this data.

Now set the VBW to 10 Hz, while maintaining all of the other instrument settings. This peak level, once corrected, must comply with the limit specified in Section 15.209. If the dwell time per channel of the hopping signal is less than 100 ms, then the reading obtained with the 10 Hz VBW may be further adjusted by a "duty cycle correction factor", derived from $20\log(\text{dwell time}/100 \text{ ms})$, in an effort to demonstrate compliance with the 15.209 limit. Submit this data.

Repeat above procedures until all frequency measured was complete.

8.2.5 Test Results

Temperature:	21° C
Relative Humidity:	47%
ATM Pressure:	1011 mbar

■ Spurious Emission below 30MHz (9KHz to 30MHz)

Freq. (MHz)	Ant.Pol. H/V	Emission Level(dBuV/m)		Limit 3m(dBuV/m)		Over(dB)	
		PK	AV	PK	AV	PK	AV
--	--	--	--	--	--	--	--

Note: the amplitude of spurious emission that is attenuated by more than 20dB below the permissible limit has no need to be reported.

Distance extrapolation factor = $40\log(\text{Specific distance/ test distance})$ (dB);

Limit line=Specific limits(dBuV) + distance extrapolation factor

■ Field Strength of the fundamental signal

For the relevant data, please refer to report ENS2510310022W00501R.

Note: (1) Correct Factor= Antenna Factor +Cable Loss- Amplifier Gain
(2) Emission Level= Reading Level+Probe Factor +Cable Loss

■ Out of Band Emissions

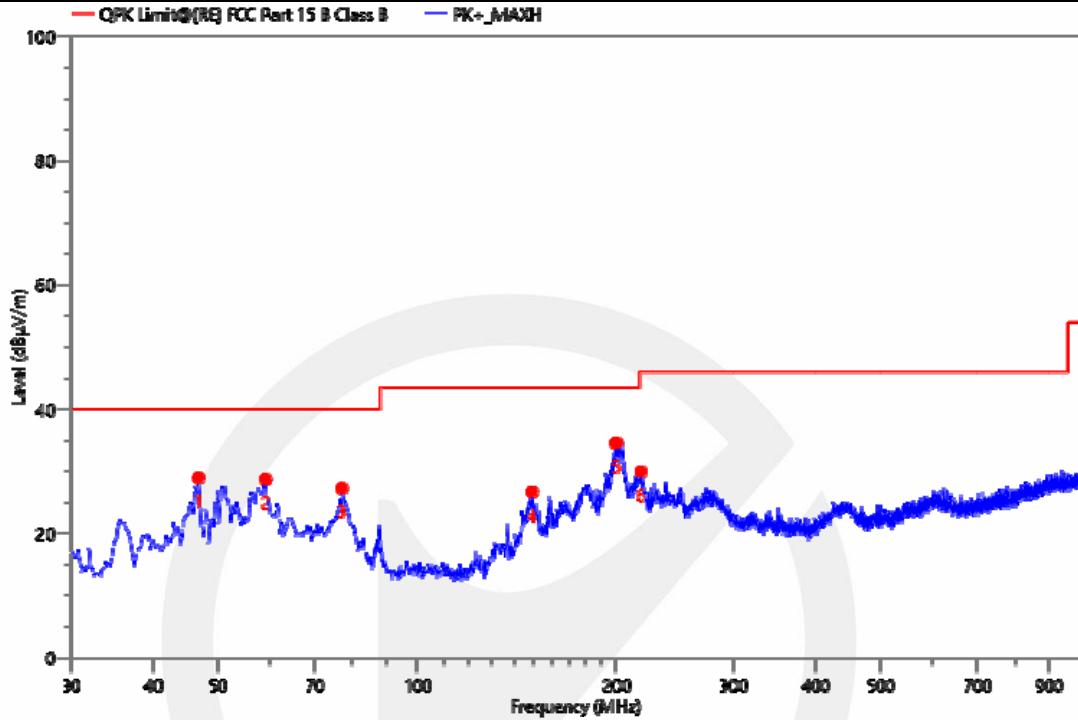
For the relevant data, please refer to report ENS2510310022W00501R.

Note: (1) All Readings are Peak Value (VBW=3MHz) and Average Value (VBW=10Hz).
(2) Emission Level= Reading Level+Correct Factor +Cable Loss.
(3) Correct Factor= Ant_F + Cab_L - Preamp
(4)Data of measurement within this frequency range shown “ -- ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

■ Spurious Emission below 1GHz (30MHz to 1GHz)

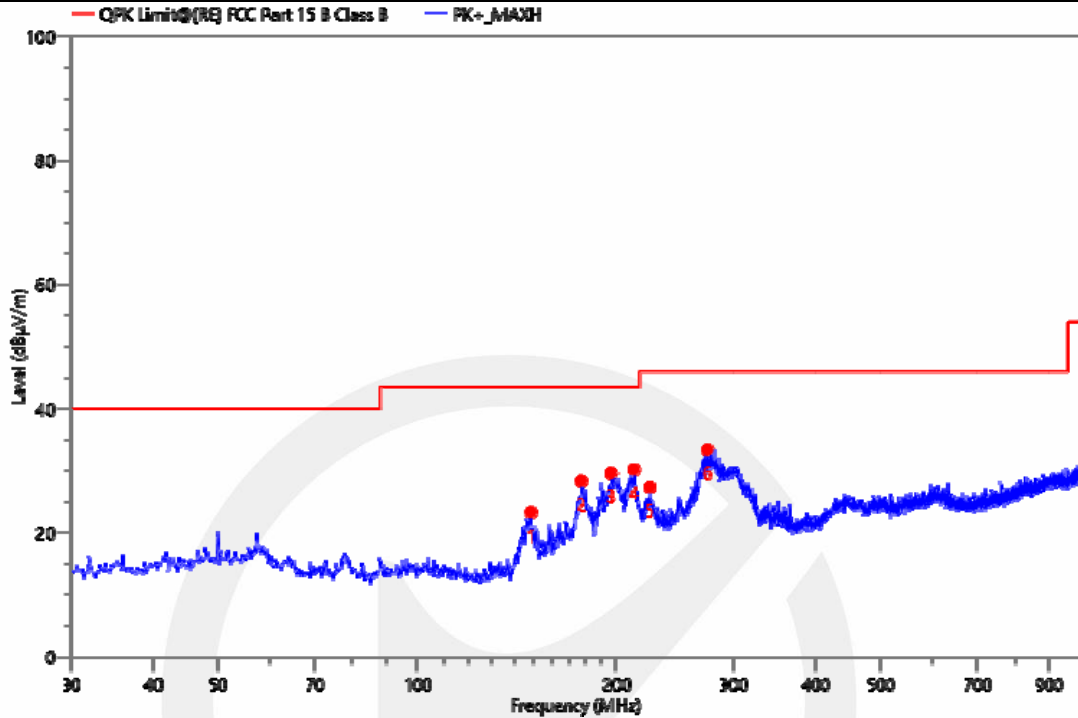
SLPU-2P1U1C1S-WL

Project Information			
Mode:	TX2436.199	Voltage:	AC 120V/60Hz
Environment:	Temp: 15°C; Humi: 51%	Engineer:	Andy



No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Height (cm)	Pol.	Azimuth (deg)	Verdict
1	46.684	53.04	-24.09	28.95	40.00	11.05	QPK	100	V	169.6	PASS
2	59.100	54.46	-25.72	28.74	40.00	11.26	QPK	100	V	71.6	PASS
3	76.948	54.22	-26.96	27.26	40.00	12.74	QPK	100	V	300.1	PASS
4	148.728	53.78	-27.06	26.72	43.50	16.78	QPK	100	V	26.1	PASS
5	199.556	59.22	-24.7	34.52	43.50	8.98	QPK	100	V	152.1	PASS
6	217.113	54.13	-24.18	29.95	46.00	16.05	QPK	100	V	84.1	PASS

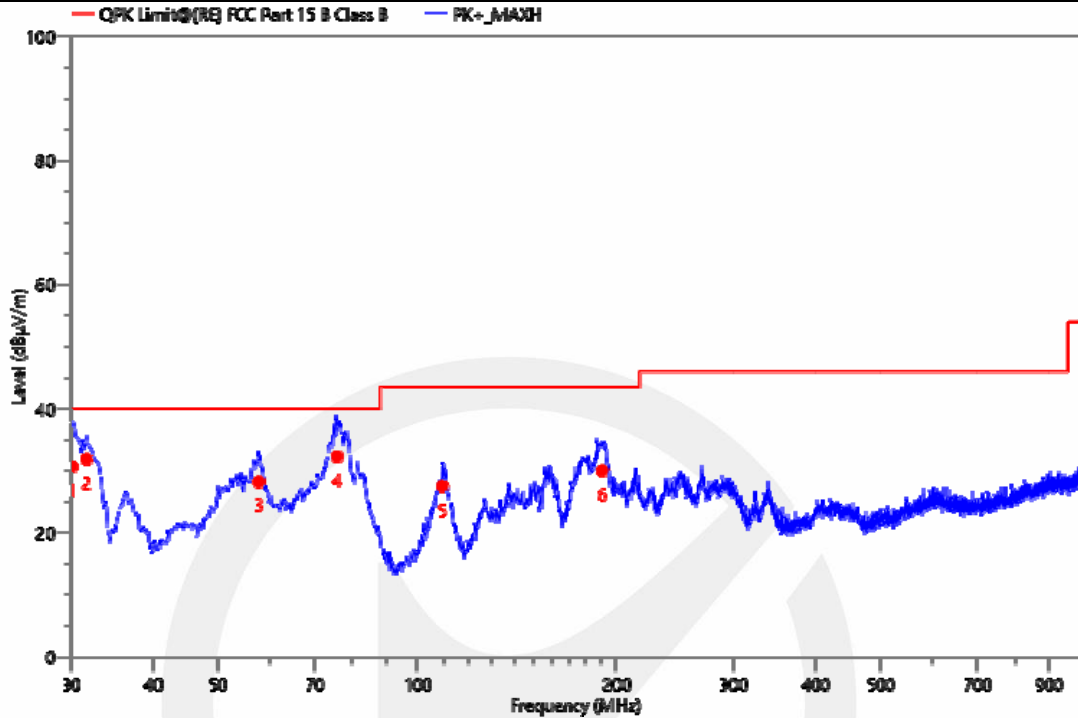
Project Information			
Mode:	TX2436.199	Voltage:	AC 120V/60Hz
Environment:	Temp: 15°C; Humi: 51%	Engineer:	Andy



No.	Freq. (MHz)	Reading (dBµV)	Corr. (dB)	Meas. (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Det.	Height (cm)	Pol.	Azimuth (deg)	Verdict
1	148.146	50.43	-27.13	23.30	43.50	20.20	QPK	200	H	74.4	PASS
2	176.858	54.47	-26.11	28.36	43.50	15.14	QPK	200	H	66.9	PASS
3	196.258	54.58	-24.98	29.60	43.50	13.90	QPK	100	H	106.2	PASS
4	211.875	54.56	-24.36	30.20	43.50	13.30	QPK	100	H	109.2	PASS
5	223.903	51.33	-23.99	27.34	46.00	18.66	QPK	100	H	106.2	PASS
6	274.440	56.16	-22.82	33.34	46.00	12.66	QPK	100	H	93.7	PASS

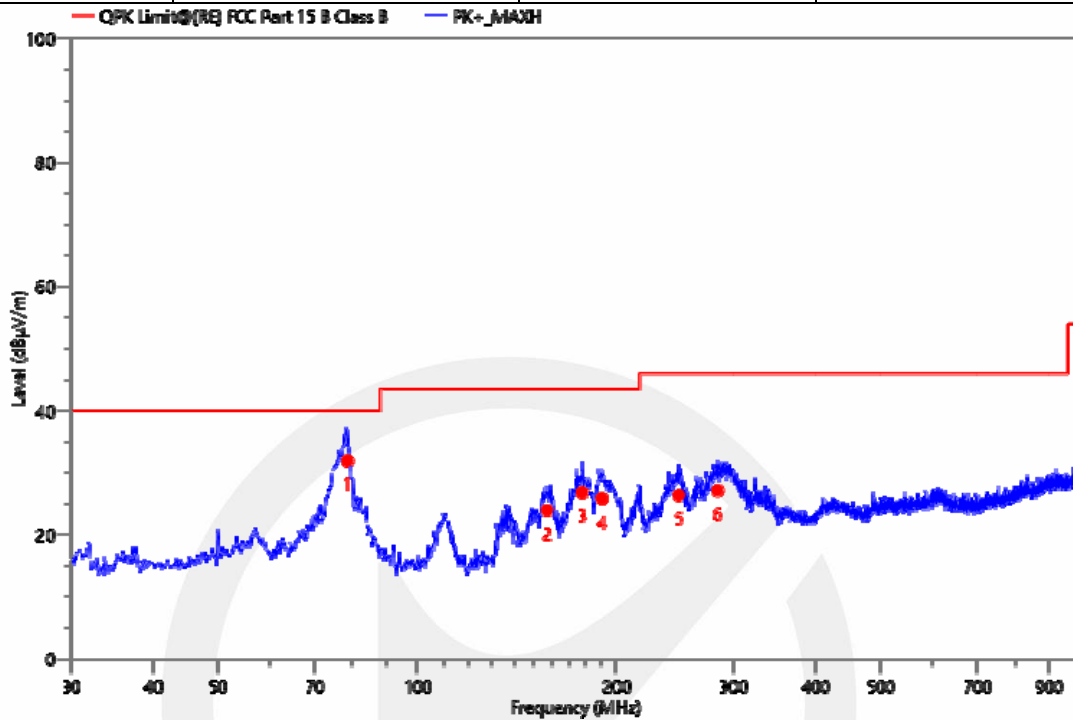
SLPU-2P1U1C1S-RC-WL

Project Information			
Mode:	TX2436.199	Voltage:	AC 120V/60Hz
Environment:	Temp: 15°C; Humi: 51%	Engineer:	Andy



No.	Freq. (MHz)	Reading (dBµV)	Corr. (dB)	Meas. (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Det.	Height (cm)	Pol.	Azimuth (deg)	Verdict
1	30.046	56.00	-25.37	30.63	40.00	9.37	QPK	100.0	V	355.2	PASS
2	31.649	57.10	-25.24	31.86	40.00	8.14	QPK	100	V	232.2	PASS
3	57.742	53.68	-25.49	28.19	40.00	11.81	QPK	100	V	176.7	PASS
4	75.675	59.25	-26.98	32.27	40.00	7.73	QPK	100.0	V	199.7	PASS
5	109.055	53.43	-25.97	27.46	43.50	16.04	QPK	100	V	278.2	PASS
6	190.535	55.46	-25.47	29.99	43.50	13.51	QPK	100	V	134.7	PASS

Project Information			
Mode:	TX2436.199	Voltage:	AC 120V/60Hz
Environment:	Temp: 15°C; Humi: 51%	Engineer:	Andy

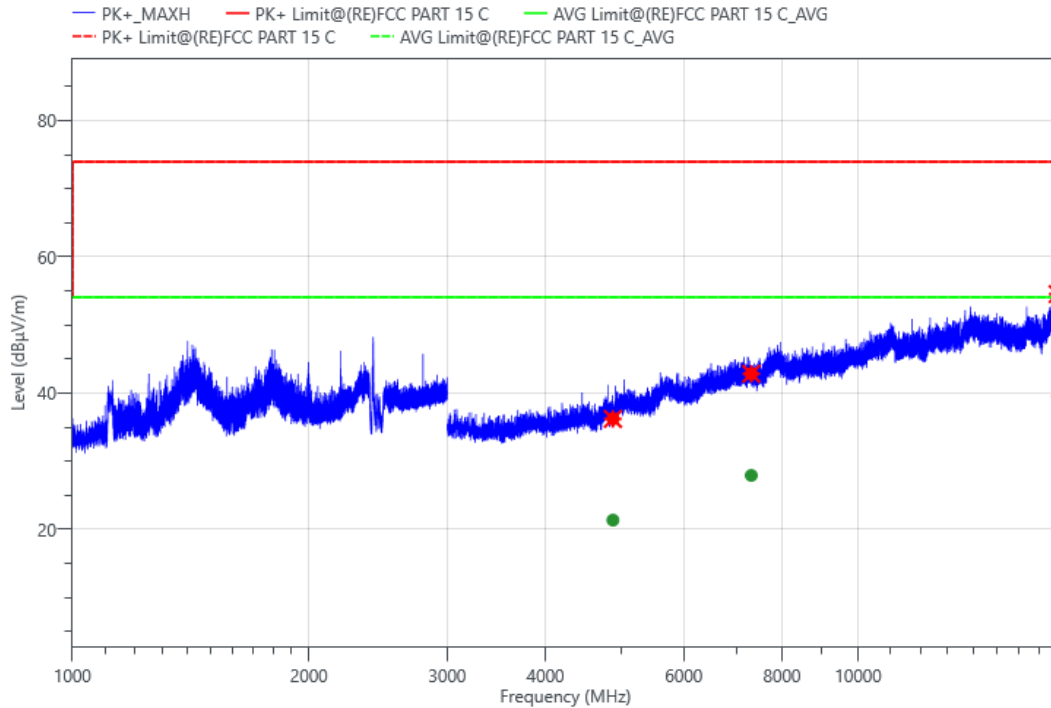


No.	Freq. (MHz)	Reading (dBµV)	Corr. (dB)	Meas. (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Det.	Height (cm)	Pol.	Azimuth (deg)	Verdict
1	78.500	58.84	-26.94	31.90	40.00	8.10	QPK	200	H	174.9	PASS
2	156.973	50.90	-26.96	23.94	43.50	19.56	QPK	100	H	129.6	PASS
3	177.537	52.85	-26.05	26.80	43.50	16.70	QPK	100	H	114.1	PASS
4	190.244	51.33	-25.49	25.84	43.50	17.66	QPK	100	H	133.1	PASS
5	248.250	49.14	-22.8	26.34	46.00	19.66	QPK	100	H	284.6	PASS
6	284.237	49.79	-22.65	27.14	46.00	18.86	QPK	100	H	103.1	PASS

■ Spurious Emission Above 1GHz (1GHz to 25GHz)

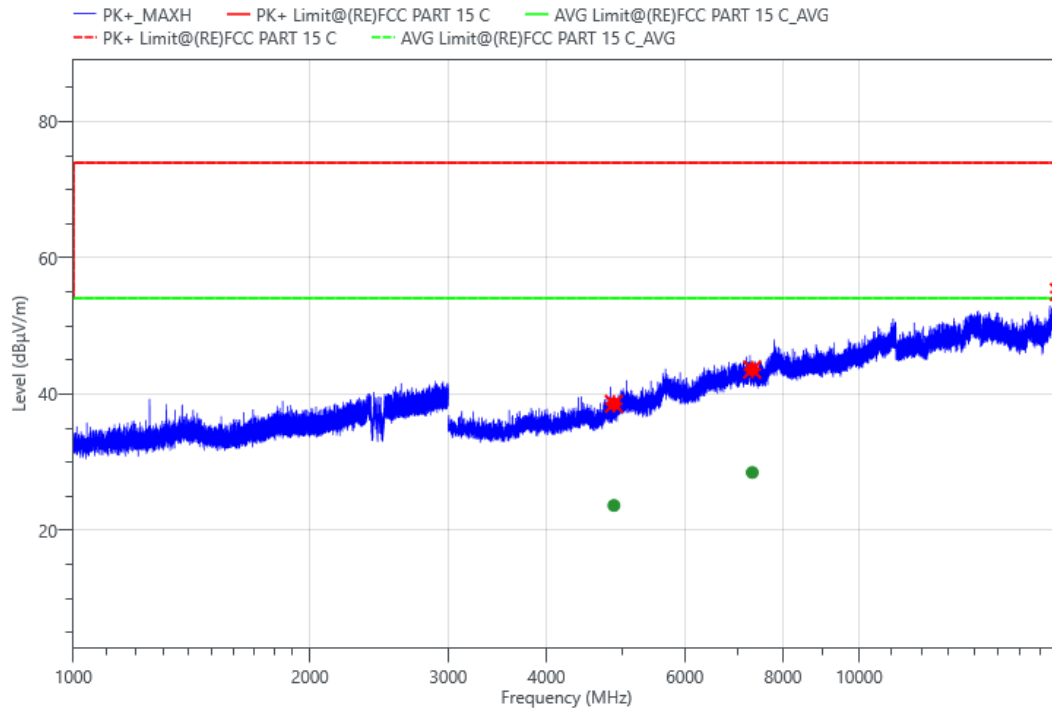
SLPU-2P1U1C1S-WL

Project Information			
Mode:	TX2436.199	Voltage:	AC 120V/60Hz
Environment:	Temp: 24°C; Humi: 60%	Engineer:	WK Luo



No.	Freq. (MHz)	Reading (dBμV/m)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.	Verdict
1	4873.000	44.49	-8.27	36.22	74.00	37.78	PK+	V	PASS
2	4873.000	29.64	-8.27	21.37	54.00	32.63	AVG	V	PASS
3	7309.000	43.23	-0.39	42.84	74.00	31.16	PK+	V	PASS
4	7309.000	28.32	-0.39	27.93	54.00	26.07	AVG	V	PASS
5	17950.500	41.48	13.06	54.54	74.00	19.46	PK+	V	PASS
6	17950.500	26.49	13.06	39.55	54.00	14.45	AVG	V	PASS

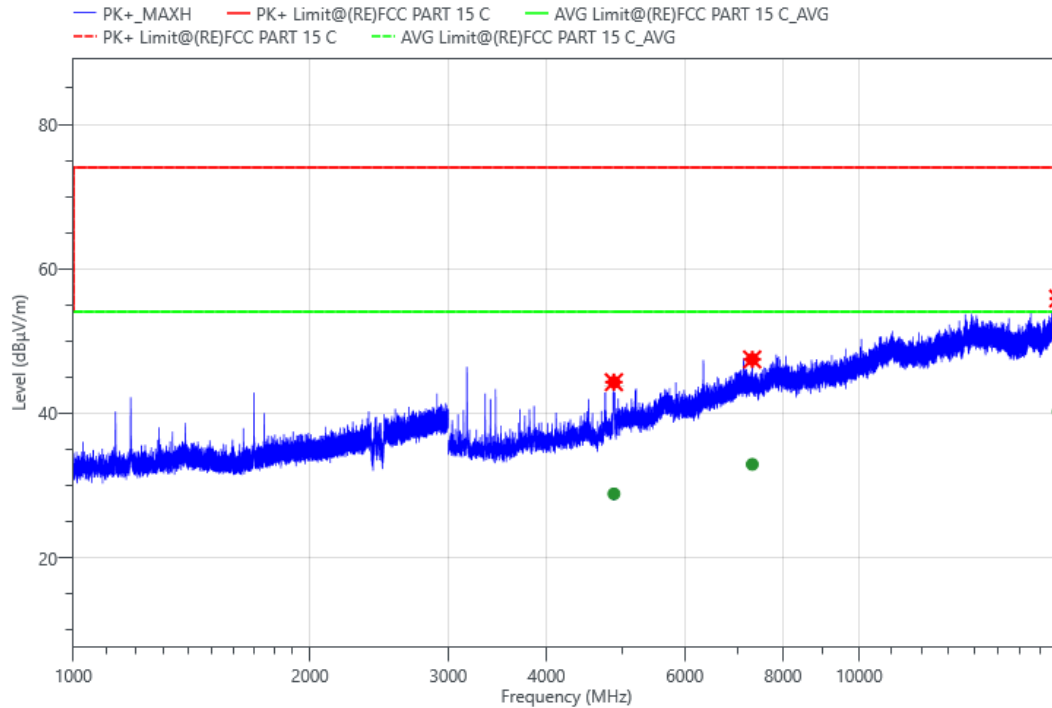
Project Information			
Mode:	TX2436.199	Voltage:	AC 120V/60Hz
Environment:	Temp: 24℃; Humi: 60%	Engineer:	WK Luo



No.	Freq. (MHz)	Reading (dBµV/m)	Corr. (dB)	Meas. (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Det.	Pol.	Verdict
1	4873.000	46.85	-8.27	38.58	74.00	35.42	PK+	H	PASS
2	4873.000	31.94	-8.27	23.67	54.00	30.33	AVG	H	PASS
3	7309.000	43.99	-0.39	43.60	74.00	30.40	PK+	H	PASS
4	7309.000	28.90	-0.39	28.51	54.00	25.49	AVG	H	PASS
5	17966.500	41.73	13.25	54.98	74.00	19.02	PK+	H	PASS
6	17966.500	26.83	13.25	40.08	54.00	13.92	AVG	H	PASS

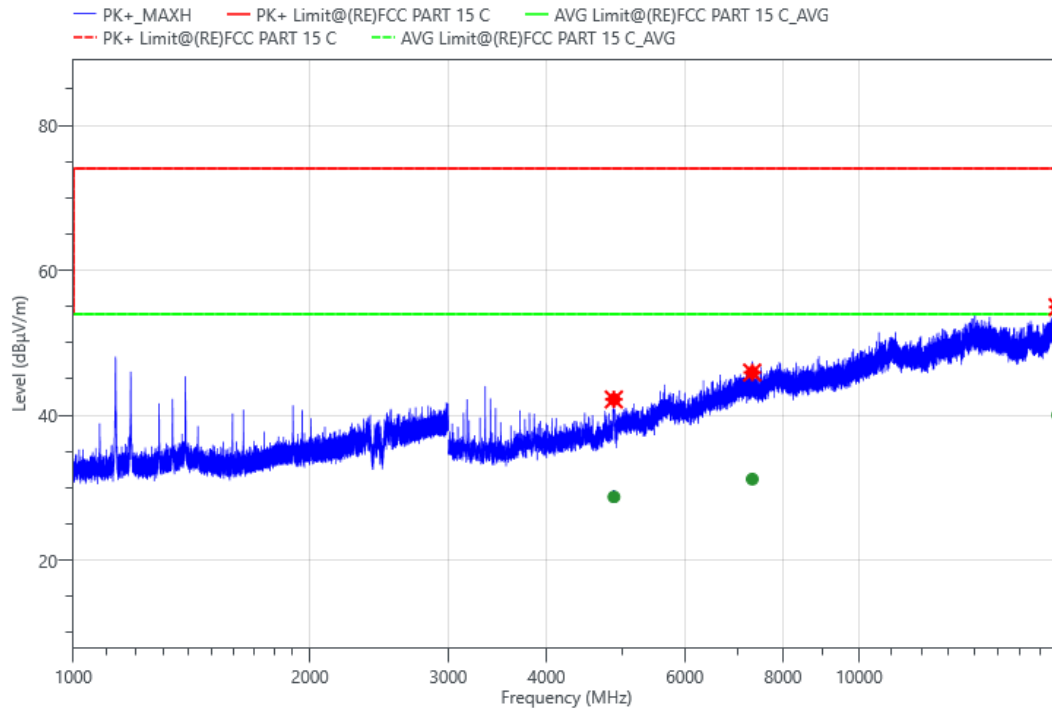
SLPU-2P1U1C1S-RC-WL

Project Information			
Mode:	TX2436.199	Voltage:	AC 120V/60Hz
Environment:	Temp: 24°C; Humi: 60%	Engineer:	WK Luo



No.	Freq. (MHz)	Reading (dBµV/m)	Corr. (dB)	Meas. (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Det.	Pol.	Verdict
1	4873.000	45.75	-8.27	37.48	74.00	36.52	PK+	V	PASS
2	4873.000	31.30	-8.27	23.03	54.00	30.97	AVG	V	PASS
3	7309.000	47.86	-0.39	47.47	74.00	26.53	PK+	V	PASS
4	7309.000	33.34	-0.39	32.95	54.00	21.05	AVG	V	PASS
5	17927.500	43.11	12.78	55.89	74.00	18.11	PK+	V	PASS
6	17927.500	27.47	12.78	40.25	54.00	13.75	AVG	V	PASS

Project Information			
Mode:	TX2436.199	Voltage:	AC 120V/60Hz
Environment:	Temp: 24℃; Humi: 60%	Engineer:	WK Luo



No.	Freq. (MHz)	Reading (dBμV/m)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.	Verdict
1	4873.000	45.98	-8.27	37.71	74.00	36.29	PK+	H	PASS
2	4873.000	30.13	-8.27	21.86	54.00	32.14	AVG	H	PASS
3	7309.000	46.29	-0.39	45.90	74.00	28.10	PK+	H	PASS
4	7309.000	31.57	-0.39	31.18	54.00	22.82	AVG	H	PASS
5	17893.000	42.53	12.4	54.93	74.00	19.07	PK+	H	PASS
6	17893.000	27.63	12.4	40.03	54.00	13.97	AVG	H	PASS

- Note:**
- (1) All Readings are Peak Value (VBW=3MHz) and Average Value (VBW=10Hz).
 - (2) Emission Level= Reading Level+Correct Factor +Cable Loss.
 - (3) Correct Factor= Ant_F + Cab_L - Preamp
 - (4) The reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

8.3 CONDUCTED EMISSIONS TEST

8.3.1 Applicable Standard

According to FCC Part 15.207(a)

8.3.2 Conformance Limit

Frequency(MHz)	Conducted Emission Limit	
	Quasi-peak	Average
0.15-0.5	66-56	56-46
0.5-5.0	56	46
5.0-30.0	60	50

Note: 1. The lower limit shall apply at the transition frequencies

2. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

8.3.3 Test Configuration

Test according to clause 7.3 conducted emission test setup

8.3.4 Test Procedure

The EUT was placed on a table which is 0.8m above ground plane.

Maximum procedure was performed on the highest emissions to ensure EUT compliance.

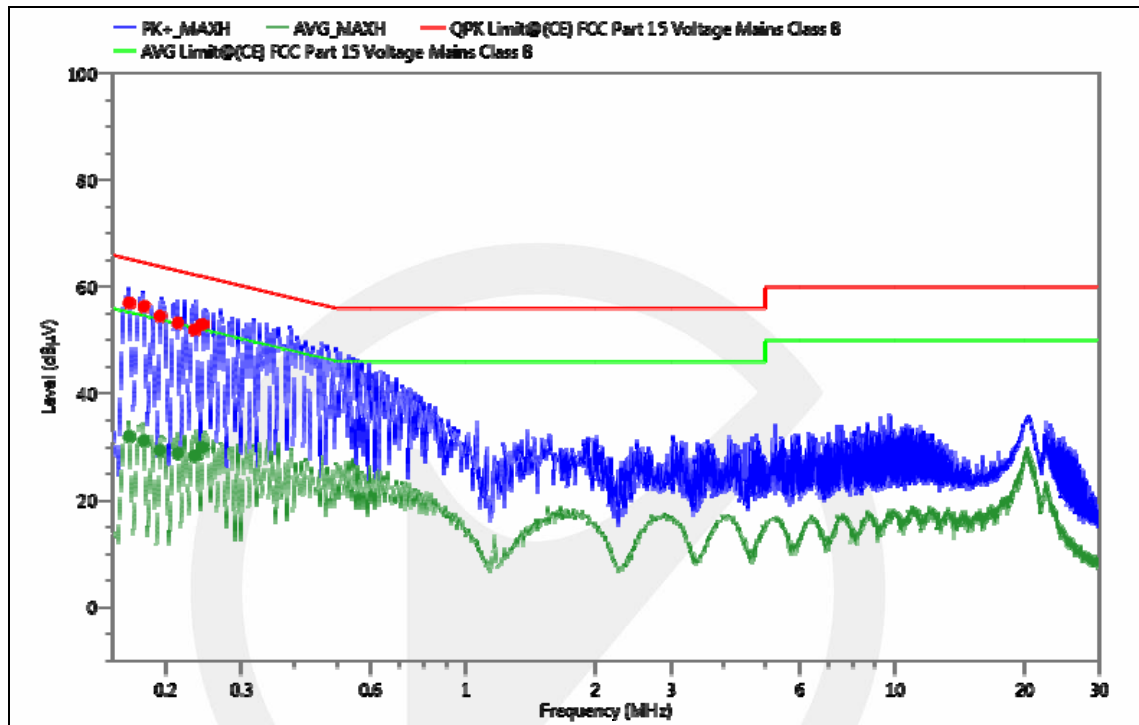
Repeat above procedures until all frequency measured were complete.

8.3.5 Test Results

PASS.

SLPU-2P1U1C1S-WL

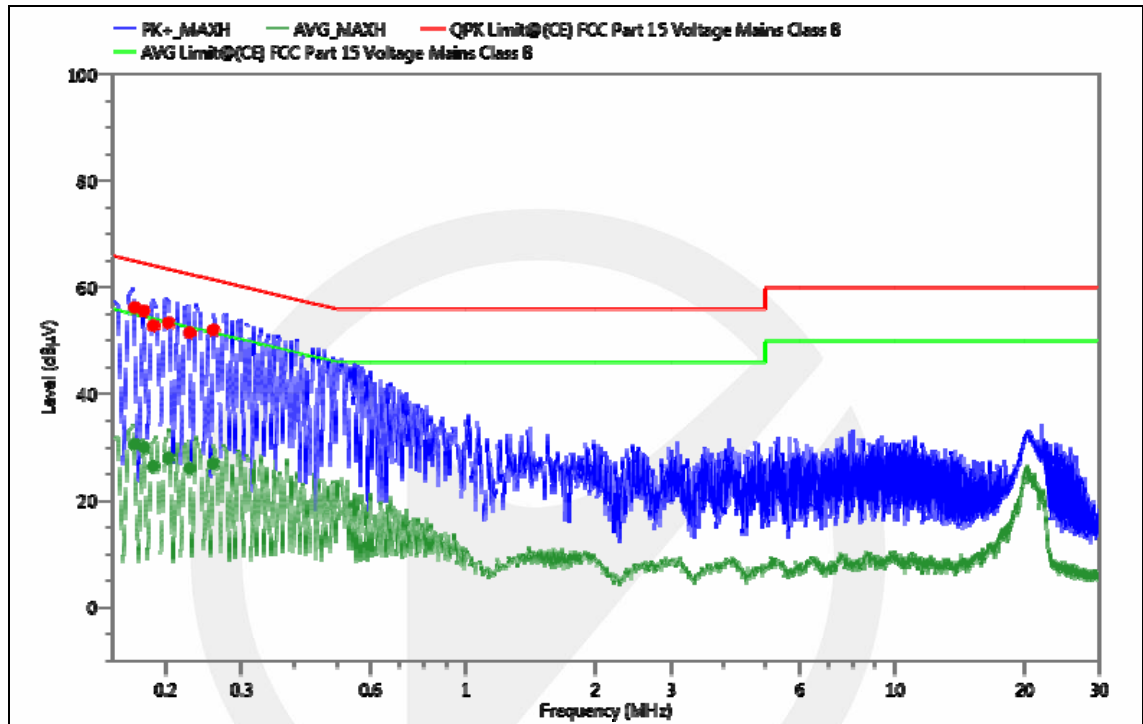
Project No. :	ENB2605090145W001	Customer :	Self Electronics Co.,Ltd
Sample No :	ENB2605090145W001-1-3	EUT :	FURNITURE POWER DISTRIBUTION UNITS
Model :	SLPU-2P1U1C1S-WL	Mode :	TX 2436.199
Voltage :	AC 120V/60 Hz	Engineer :	Hammer
Temp :	24℃	Humi :	62 %



Final_Result (Margin=Limit-Meas.(Reading + Corr.))

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV)	Limit (dBμV)	Margin (dB)	Det.	Line	PE	Verdict
1	0.164	46.80	10.15	56.95	65.26	8.31	QPK	L1	GND	PASS
2	0.164	21.82	10.15	31.97	55.26	23.29	AVG	L1	GND	PASS
3	0.178	46.13	10.17	56.30	64.58	8.28	QPK	L1	GND	PASS
4	0.178	20.97	10.17	31.14	54.58	23.44	AVG	L1	GND	PASS
5	0.194	44.30	10.18	54.48	63.86	9.38	QPK	L1	GND	PASS
6	0.194	19.13	10.18	29.31	53.86	24.55	AVG	L1	GND	PASS
7	0.214	43.03	10.18	53.21	63.05	9.84	QPK	L1	GND	PASS
8	0.214	18.61	10.18	28.79	53.05	24.26	AVG	L1	GND	PASS
9	0.234	41.75	10.17	51.92	62.31	10.39	QPK	L1	GND	PASS
10	0.234	18.11	10.17	28.28	52.31	24.03	AVG	L1	GND	PASS
11	0.243	42.75	10.16	52.91	61.99	9.08	QPK	L1	GND	PASS
12	0.243	19.71	10.16	29.87	51.99	22.12	AVG	L1	GND	PASS

Project No. :	ENB2605090145W001	Customer :	Self Electronics Co.,Ltd
Sample No. :	ENB2605090145W001-1-3	EUT :	FURNITURE POWER DISTRIBUTION UNITS
Model :	SLPU-2P1U1C1S-WL	Mode :	TX 2436.199
Voltage :	AC 120V/60 Hz	Engineer :	Hammer
Temp :	24°C	Humi :	62 %

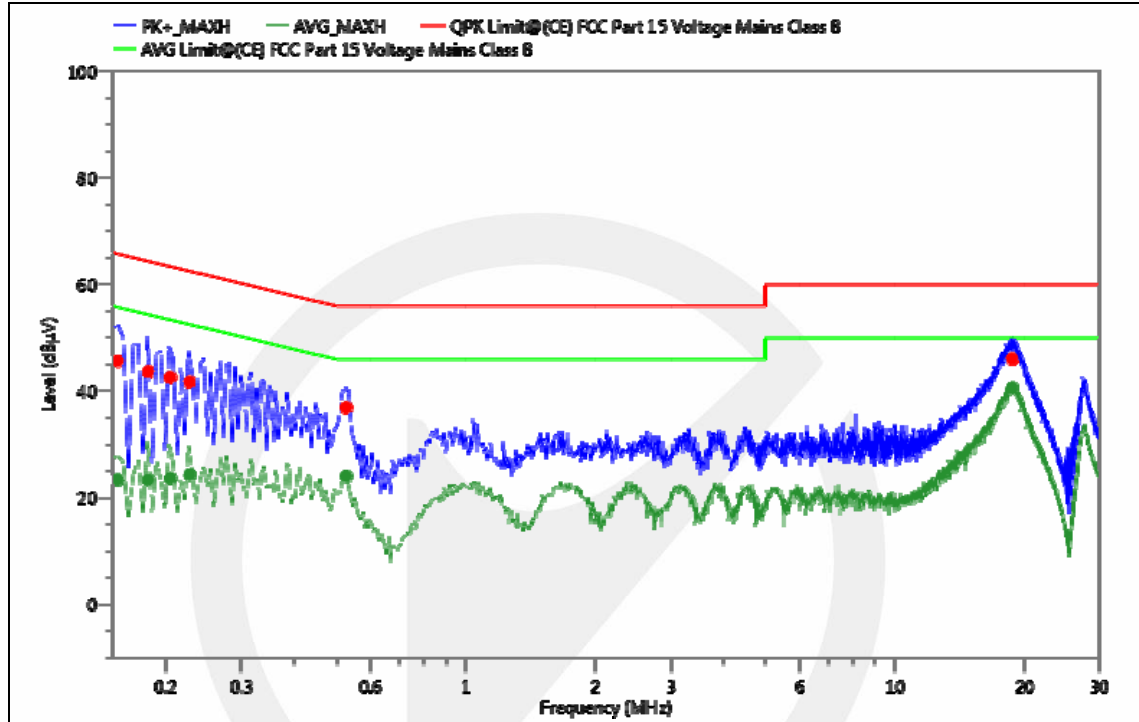


Final_Result (Margin=Limit-Meas.(Reading +Corr.))

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV)	Limit (dBμV)	Margin (dB)	Det.	Line	PE	Verdict
1	0.169	46.00	10.17	56.17	65.01	8.84	QPK	N	GND	PASS
2	0.169	20.33	10.17	30.50	55.01	24.51	AVG	N	GND	PASS
3	0.178	45.35	10.16	55.51	64.58	9.07	QPK	N	GND	PASS
4	0.178	19.76	10.16	29.92	54.58	24.66	AVG	N	GND	PASS
5	0.187	42.65	10.15	52.80	64.17	11.37	QPK	N	GND	PASS
6	0.187	16.26	10.15	26.41	54.17	27.76	AVG	N	GND	PASS
7	0.203	43.17	10.14	53.31	63.49	10.18	QPK	N	GND	PASS
8	0.203	17.82	10.14	27.96	53.49	25.53	AVG	N	GND	PASS
9	0.228	41.35	10.13	51.48	62.52	11.04	QPK	N	GND	PASS
10	0.228	15.87	10.13	26.00	52.52	26.52	AVG	N	GND	PASS
11	0.257	41.85	10.13	51.98	61.53	9.55	QPK	N	GND	PASS
12	0.257	16.74	10.13	26.87	51.53	24.66	AVG	N	GND	PASS

SLPU-2P1U1C1S-RC-WL

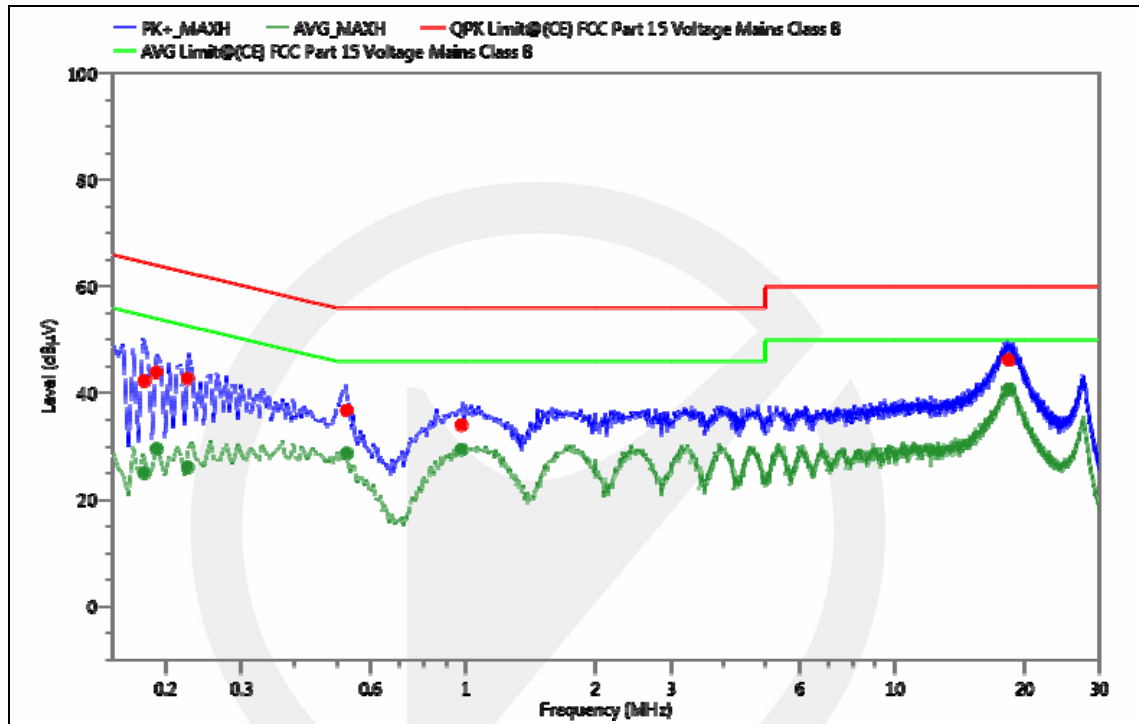
Project No. :	ENB2605090145W001	Customer :	Self Electronics Co.,Ltd
Sample No :	ENB2605090145W001-3	EUT :	FURNITURE POWER DISTRIBUTION UNITS
Model :	SLPU-2P1U1C1S-RC-WL	Mode :	TX 2436.199
Voltage :	AC 120V/60 Hz	Engineer :	Hammer
Temp :	24℃	Humi :	62 %



Final_Result (Margin=Limit-Meas.(Reading + Corr.))

No.	Freq. (MHz)	Reading (dBµV)	Corr. (dB)	Meas. (dBµV)	Limit (dBµV)	Margin (dB)	Det.	Line	PE	Verdict
1	0.154	35.46	10.18	45.64	65.78	20.14	QPK	N	GND	PASS
2	0.154	13.17	10.18	23.35	55.78	32.43	AVG	N	GND	PASS
3	0.182	33.46	10.16	43.62	64.39	20.77	QPK	N	GND	PASS
4	0.182	13.13	10.16	23.29	54.39	31.10	AVG	N	GND	PASS
5	0.205	32.40	10.14	42.54	63.41	20.87	QPK	N	GND	PASS
6	0.205	13.46	10.14	23.60	53.41	29.81	AVG	N	GND	PASS
7	0.228	31.56	10.13	41.69	62.52	20.83	QPK	N	GND	PASS
8	0.228	14.13	10.13	24.26	52.52	28.26	AVG	N	GND	PASS
9	0.525	26.74	10.14	36.88	56.00	19.12	QPK	N	GND	PASS
10	0.525	13.85	10.14	23.99	46.00	22.01	AVG	N	GND	PASS
11	18.695	35.27	10.75	46.02	60.00	13.98	QPK	N	GND	PASS
12	18.695	29.86	10.75	40.61	50.00	9.39	AVG	N	GND	PASS

Project No. :	ENB2605090145W001	Customer :	Self Electronics Co.,Ltd
Sample No. :	ENB2605090145W001-3	EUT :	FURNITURE POWER DISTRIBUTION UNITS
Model :	SLPU-2P1U1C1S-RC-WL	Mode :	TX 2436.199
Voltage :	AC 120V/60 Hz	Engineer :	Hammer
Temp :	24°C	Humi :	62 %



Final_Result (Margin=Limit-Meas.(Reading + Corr.))

No.	Freq. (MHz)	Reading (dBµV)	Corr. (dB)	Meas. (dBµV)	Limit (dBµV)	Margin (dB)	Det.	Line	PE	Verdict
1	0.178	32.15	10.17	42.32	64.58	22.26	QPK	L1	GND	PASS
2	0.178	14.85	10.17	25.02	54.58	29.56	AVG	L1	GND	PASS
3	0.190	33.72	10.18	43.90	64.04	20.14	QPK	L1	GND	PASS
4	0.190	19.38	10.18	29.56	54.04	24.48	AVG	L1	GND	PASS
5	0.225	32.54	10.17	42.71	62.63	19.92	QPK	L1	GND	PASS
6	0.225	15.91	10.17	26.08	52.63	26.55	AVG	L1	GND	PASS
7	0.526	26.67	10.1	36.77	56.00	19.23	QPK	L1	GND	PASS
8	0.526	18.63	10.1	28.73	46.00	17.27	AVG	L1	GND	PASS
9	0.973	23.81	10.21	34.02	56.00	21.98	QPK	L1	GND	PASS
10	0.973	19.22	10.21	29.43	46.00	16.57	AVG	L1	GND	PASS
11	18.351	35.55	10.72	46.27	60.00	13.73	QPK	L1	GND	PASS
12	18.351	30.08	10.72	40.80	50.00	9.20	AVG	L1	GND	PASS

8.4 ANTENNA APPLICATION

8.4.1 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.

8.4.2 Result

PASS.

Note: The EUT has 1 antenna: The PCB antenna gain is 9.5 dBi.

- Note:
- ☒ 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 ***