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TEST REPORT

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1. Client

- Name : IPX Corporation
- Address : 5F ,98, Hannam-daero, Yongsan-gu, Seoul, Republic of Korea
- Date of Receipt : 2022-03-29

2. Use of Report : Certification

3. Name of Product / Model : BF_BROWN_21 UV WIRELESS CHARGER(3IN1) / 8809720399997

4. Manufacturer / Country of Origin : IPX Corporation / Korea

5. FCC ID : 2AQTSBFUVWLC31

6. Date of Test : 2022-05-06 to 2022-05-10

7. Location of Test : ■ Permanent Testing Lab ☐ On Site Testing
(Address:65, Sinwon-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Korea)

8. Test method used : FCC Part 15 Subpart C, 15.209

9. Test Result : Refer to the test result in the test report

Affirmation	Tested by Name : Jungwon Seo (Signature)	Technical Manager Name : Heesu Ahn (Signature)

2022-05-17

KCTL Inc.

As a test result of the sample which was submitted from the client, this report does not guarantee the whole product quality. This test report should not be used and copied without a written agreement by KCTL Inc.

REPORT REVISION HISTORY

Date	Revision	Page No
2022-05-17	Originally issued	-

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General remarks for test reports

Statement concerning the uncertainty of the measurement systems used for the tests

(may be required by the product standard or client)

☐ **Internal procedure used for type testing through which traceability of the measuring uncertainty has been established:**

Procedure number, issue date and title:

Calculations leading to the reported values are on file with the testing laboratory that conducted the testing.

☒ **Statement not required by the standard or client used for type testing**

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1. General information

Client	:	IPX Corporation
Address	:	5F ,98, Hannam-daero, Yongsan-gu, Seoul, Republic of Korea
Manufacturer	:	IPX Corporation
Address	:	5F ,98, Hannam-daero, Yongsan-gu, Seoul, Republic of Korea
Laboratory	:	KCTL Inc.
Address	:	65, Sinwon-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Korea
Accreditations	:	FCC Site Designation No: KR0040, FCC Site Registration No: 687132 VCCI Registration No. : R-20080, G-20078, C-20059, T-20056 CAB Identifier: KR0040, ISED Number: 8035A KOLAS No.: KT231

2. Device information

Equipment under test	:	BF_BROWN_21 UV WIRELESS CHARGER(3IN1)
Model	:	8809720399997
Modulation technique	:	AM
Frequency range	:	110 ㎑ ~ 239 ㎑
Power source	:	DC 5 V, 9 V
Antenna specification	:	Coil Antenna
Software version	:	Ver 1.0
Hardware version	:	Ver 1.0
Test device serial No.	:	N/A
Operation temperature	:	-20 ℃ ~ 50 ℃

2.1. Accessory information

Equipment	Manufacturer	Model	Serial No.	Power Source
Adapter	SAMSUNG	EP-TA200	R37M6JHF4Q1DK3	100-240V/50-60Hz, 0.5A

2.2. Support equipment used in the test :

Equipment	Manufacturer	Model	Serial No.	FCC ID
Mobile Phone	Apple	MGJC3KH/A	-	-
Wireless Earphone	Apple	MWP22KH/A	-	-
Wireless Watch	Apple	MKNY3KH/A	-	-

2.3. Frequency/channel operations

This device contains the following capabilities:
WPT

Frequency (㎑)
110 ~ 239

Table 2.3.1. WPT

3. Antenna requirement

Requirement of FCC part 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. 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 transmitter has permanently attached Coil antenna(Internal antenna) on board.

4. Summary of tests

FCC Part section(s)	Parameter	Test results
15.209(a)	Field Strength of Fundamental and Spurious Emission	Pass
2.1049	20㏈ Bandwidth	Pass
15.203	Antenna requirement	Pass
15.207(a)	Conducted Emission	Pass

Notes:

1. The fundamental of the EUT was investigated in three orthogonal orientations X, Y and Z. It was determined that X orientation was worst-case orientation. Therefore, all final radiated testing was performed with the EUT in X orientation.
2. The test procedure(s) in this report were performed in accordance as following.
   - ANSI C63.10-2013
3. The measurement facility is compliant with the test site requirements specified in ANSI C63.4-2014.

5. Measurement uncertainty

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI C63.10-2013.

All measurement uncertainty values are shown with a coverage factor of k=2 to indicated a 95 % level of confidence. The measurement data shown herein meets of exceeds the U_{CISPR} measurement uncertainty values specified in CISPR 16-4-2 and thus, can be compared directly to specified limits to determine compliance.

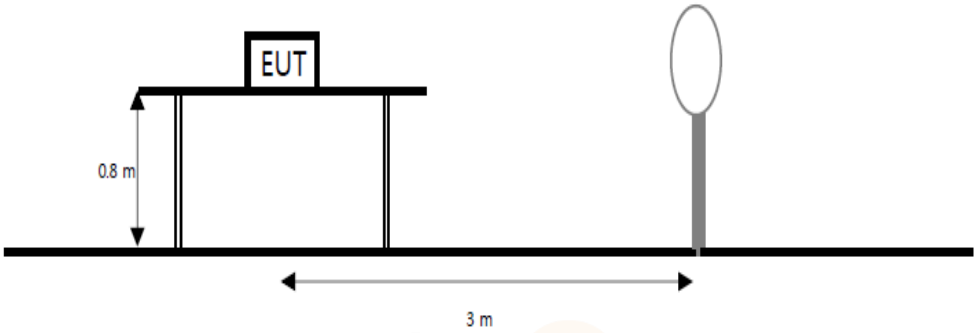
Parameter	Expanded uncertainty (±)	
Radiated spurious emissions	9 ㎑ ~ 30 ㎒	2.3 ㏈
Conducted emissions	9 ㎑ ~ 150 ㎑	3.7 ㏈
	150 ㎑ ~ 30 ㎒	3.3 ㏈

6. Test results

6.1. Field Strength of Fundamental and Spurious Emission

Test setup

The diagram below shows the test setup that is utilized to make the measurements for emission from 9 ㎑ to 30 ㎒ Emissions



Limit

According to section 15.209(a). Except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

Frequency (㎒)	Field strength (㎶/m)	Measurement distance (m)
0.009 - 0.490	2 400/F(㎑)	300
0.490 - 1.705	24 000/F(㎑)	30
1.705 - 30	30	30
30 - 88	100**	3
88 - 216	150**	3
216 - 960	200**	3
Above 960	500	3

**Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54–72 ㎒, 76–88 ㎒, 174–216 ㎒ or 470–806 ㎒. However, operation within these frequency bands is permitted under other sections of this part, e.g., Section15.231 and 15.241.

Test procedure
ANSI C63.10-2013

Test settings
Test Procedures for emission from 9 ㎑ to 30 ㎒

a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter anechoic chamber test site. The table was rotated 360 degrees to determine the position of the highest radiation.
b. Then antenna is a loop antenna is fixed at one meter above the ground to determine the maximum value of the field strength. Both parallel and perpendicular of the antenna are set to make the measurement.
c. For each suspected emission, the EUT was arranged to its worst case and then the table was turned from 0 degrees to 360 degrees to find the maximum reading.
d. The test-receiver system was set to peak and average detect function and specified bandwidth with maximum hold mode.
e. Below 30 ㎒ frequency range, all orientations about parallel, perpendicular, and ground-parallel were investigated then reported and the worse orientations of Face-on and Face-off were set for final test.
   - Face-on = Parallel, Face-off = Perpendicular

Notes:

1. *f* <30 ㎒, extrapolation factor of 40 ㏈/decade of distance. $F_d = 40\log(D_m/Ds)$
   Where:
   F_d = Distance factor in ㏈
   D_m = Measurement distance in meters
   D_s = Specification distance in meters
2. The test measurement distance is 3 meter
3. Limit (㏈(㎶/m)) = For 0.009 ㎒ - 0.490 ㎒, 20*log(2 400/F(㎑)) ㏈(㎶/m)
   For 0.490 ㎒ - 1.705 ㎒, 20*log(24 000/F(㎑)) ㏈(㎶/m)
   For 1.705 ㎒ - 30 ㎒, 20*log(30) = 29.54 ㏈(㎶/m)

Test modes:

Pre-scan / Final test	Mode code	Description
Pre-scan	00	Charge mode (Output1: 5W)
Pre-scan	01	Charge mode (Output1: 7.5W)
Pre-scan	02	Charge mode (Output1: 10W)
Final test	03	**Charge mode (Output1: 15W)**
Pre-scan	04	Charge mode (Output2: 3W)
Pre-scan	05	Charge mode (Output3: 2.5W)
Pre-scan	06	Charge mode (Output1: 5W + Output2: 3W)
Pre-scan	07	Charge mode (Output1: 7.5W + Output2: 3W)
Pre-scan	08	Charge mode (Output1: 10W + Output2: 3W)
Pre-scan	09	Charge mode (Output1: 15W + Output2: 3W)
Pre-scan	10	Charge mode (Output1: 5W + Output3: 2.5W)
Pre-scan	11	Charge mode (Output1: 7.5W + Output3: 2.5W)
Pre-scan	12	Charge mode (Output1: 10W + Output3: 2.5W)
Pre-scan	13	Charge mode (Output1: 15W + Output3: 2.5W)
Pre-scan	14	Charge mode (Output1: 5W + Output2: 3W + Output3: 2.5W)
Pre-scan	15	Charge mode (Output1: 7.5W + Output2: 3W + Output3: 2.5W)
Pre-scan	16	Charge mode (Output1: 10W + Output2: 3W + Output3: 2.5W)
Final test	17	**Charge mode (Output1: 15W + Output2: 3W + Output3: 2.5W)**

Test results

- Test mode: 03

Radiated Emissions Fundamental & 9 ㎑ to 30 ㎒

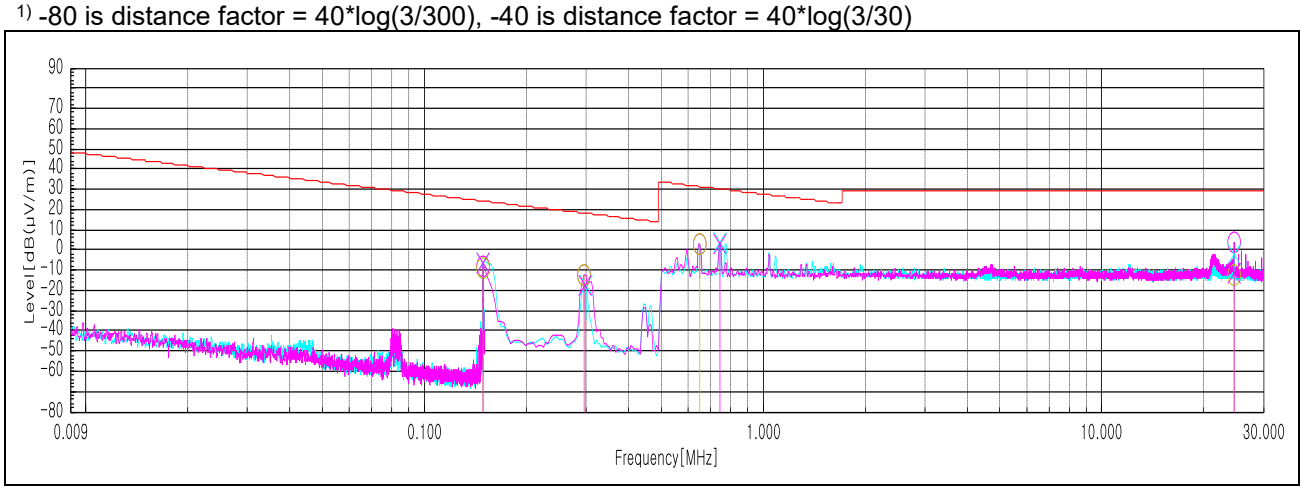
[Face-on]

Frequency	Pol.	Detector	Reading	Ant. Factor	Amp. + Cable	Distance factor	Result	Limit	Margin
(㎒)	[H/V]	Mode	[dB(㎶)]	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
0.149	H	PK	84.40	19.90	-32.45	80.00	-8.15	46.00	54.15
0.149	H	AV	83.70	19.90	-32.45	80.00	-8.85	26.00	34.85
0.296	H	PK	79.90	19.90	-32.30	80.00	-12.50	46.00	58.50
0.296	H	AV	79.50	19.90	-32.30	80.00	-12.90	26.00	38.90
0.650	H	QP	54.90	19.90	-32.11	40.00	2.69	32.00	29.31
24.519	H	QP	36.90	20.78	-30.61	40.00	-12.93	29.54	42.47

[Face-off]

Frequency	Pol.	Detector	Reading	Ant. Factor	Amp. + Cable	Distance factor	Result	Limit	Margin
(㎒)	[H/V]	Mode	[dB(㎶)]	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
0.149	V	PK	86.10	19.90	-32.45	80.00	-6.45	46.00	52.45
0.149	V	AV	86.00	19.90	-32.45	80.00	-6.55	26.00	32.55
0.299	V	PK	75.00	19.90	-32.30	80.00	-17.40	46.00	63.40
0.299	V	AV	74.50	19.90	-32.30	80.00	-17.90	26.00	43.90
0.743	V	QP	55.30	19.90	-32.07	40.00	3.13	32.00	28.87
24.519	V	QP	37.80	20.78	-30.61	40.00	-12.03	29.54	41.57

Note.
1) -80 is distance factor = 40*log(3/300), -40 is distance factor = 40*log(3/30)



- Test mode: 17

Radiated Emissions Fundamental & 9 ㎑ to 30 ㎒

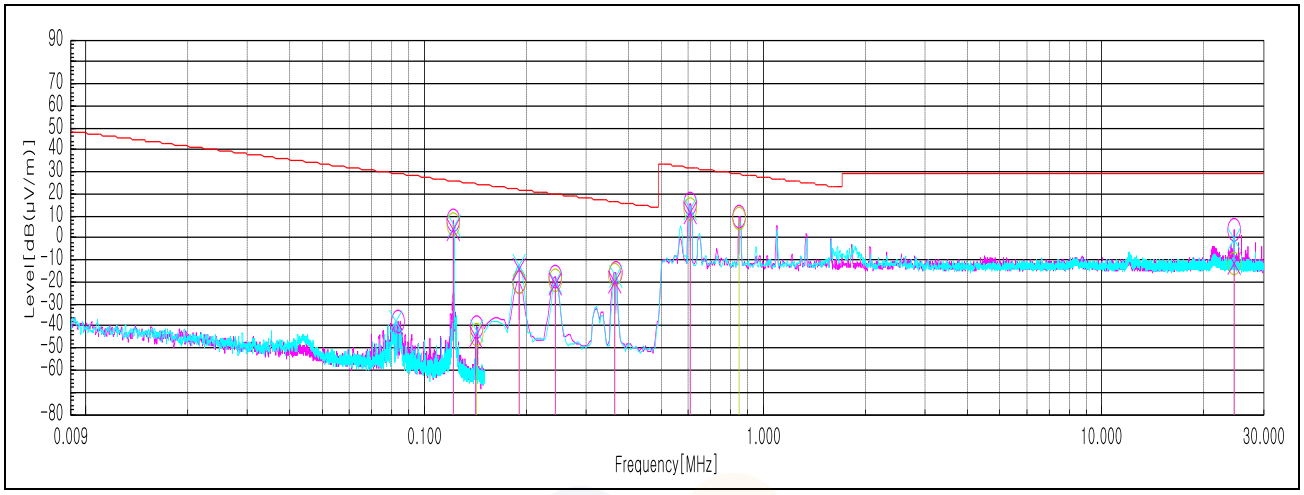
[Face-on]

Frequency	Pol.	Detector	Reading	Ant. Factor	Amp. + Cable	Distance factor	Result	Limit	Margin
(㎒)	[H/V]	Mode	[dB(㎶)]	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
0.083	H	PK	54.50	19.97	-32.43	80.00	-37.96	46.00	44.14
0.083	H	AV	51.00	19.97	-32.43	80.00	-41.46	26.00	67.46
0.122	H	PK	100.40	19.90	-32.45	80.00	7.85	36.50	52.46
0.122	H	AV	98.20	19.90	-32.45	80.00	5.65	16.50	10.85
0.143	H	PK	51.70	19.90	-32.45	80.00	-40.85	32.00	72.85
0.143	H	AV	48.80	19.90	-32.45	80.00	-43.75	46.00	44.14
0.191	H	PK	72.50	19.90	-32.41	80.00	-20.01	26.00	46.01
0.191	H	AV	71.90	19.90	-32.41	80.00	-20.61	36.50	52.46
0.243	H	PK	74.40	19.90	-32.35	80.00	-18.05	16.50	34.55
0.243	H	AV	73.20	19.90	-32.35	80.00	-19.25	32.00	51.25
0.366	H	PK	76.70	19.90	-32.27	80.00	-15.67	29.54	45.21
0.366	H	AV	75.90	19.90	-32.27	80.00	-16.47	46.00	44.14
0.609	H	QP	67.70	19.90	-32.12	40.00	15.48	26.00	10.52
0.851	H	QP	61.70	19.90	-32.13	40.00	9.47	36.50	52.46
24.519	H	QP	53.00	20.78	-30.61	40.00	3.17	16.50	13.33

[Face-off]

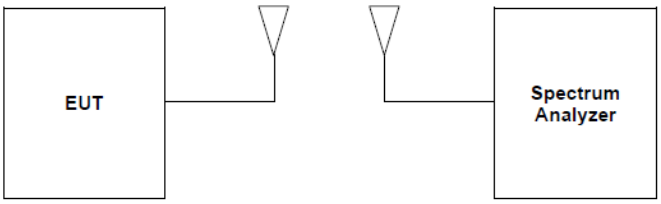
Frequency	Pol.	Detector	Reading	Ant. Factor	Amp. + Cable	Distance factor	Result	Limit	Margin
(㎒)	[H/V]	Mode	[dB(㎶)]	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
0.082	V	PK	54.40	19.97	-32.43	80.00	-38.06	46.00	48.94
0.082	V	AV	50.30	19.97	-32.43	80.00	-42.16	46.00	88.16
0.122	V	PK	97.50	19.90	-32.45	80.00	4.95	36.50	63.36
0.122	V	AV	96.20	19.90	-32.45	80.00	3.65	46.00	48.94
0.142	V	PK	49.90	19.90	-32.45	80.00	-42.65	46.00	88.65
0.142	V	AV	47.80	19.90	-32.45	80.00	-44.75	36.50	63.36
0.191	V	PK	79.60	19.90	-32.41	80.00	-12.91	16.50	29.41
0.191	V	AV	78.10	19.90	-32.41	80.00	-14.41	32.00	34.73
0.243	V	PK	72.00	19.90	-32.35	80.00	-20.45	29.54	22.77
0.243	V	AV	71.50	19.90	-32.35	80.00	-20.95	46.00	48.94
0.366	V	PK	74.40	19.90	-32.27	80.00	-17.97	46.00	63.97
0.366	V	AV	72.10	19.90	-32.27	80.00	-20.27	36.50	63.36
0.609	V	QP	65.60	19.90	-32.12	40.00	13.38	16.50	3.12
24.519	V	QP	48.70	20.78	-30.61	40.00	-1.13	32.00	34.73

Note.
1) -80 is distance factor = 40*log(3/300), -40 is distance factor = 40*log(3/30)



6.2. 20dB Bandwidth

Test setup



Limit

For reporting purpose only

Test settings

The transmitter shall be operated at its maximum carrier power measured under normal test conditions.

- The span of the analyzer shall be set to capture all products of the modulation process, including the emission skirts.
- The resolution bandwidth (RBW) shall be in the range of 1% to 5% of the occupied bandwidth (OBW) and video bandwidth (VBW) shall be approximately 3x RBW.

A peak, or peak hold, may be used in place of the sampling detector as this may produce a wider bandwidth than the actual bandwidth (worst-case measurement). Use of a peak hold may be necessary to determine the occupied bandwidth if the device is not transmitting continuously.

The trace data points are recovered and are directly summed in linear power level terms. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5% of the total is reached and that frequency recorded. The process is repeated for the highest frequency data points (starting at the highest frequency, at the right side of the span, and going down in frequency). This frequency is then recorded.

The difference between the two recorded frequencies is the 99% occupied bandwidth.

Test modes:

Pre-scan / Final test	Mode code	Description
Pre-scan	00	Charge mode (Output1: 5W)
Pre-scan	01	Charge mode (Output1: 7.5W)
Pre-scan	02	Charge mode (Output1: 10W)
Final test	03	**Charge mode (Output1: 15W)**
Final test	04	**Charge mode (Output2: 3W)**
Final test	05	**Charge mode (Output3: 2.5W)**
Pre-scan	06	Charge mode (Output1: 5W + Output2: 3W)
Pre-scan	07	Charge mode (Output1: 7.5W + Output2: 3W)
Pre-scan	08	Charge mode (Output1: 10W + Output2: 3W)
Pre-scan	09	Charge mode (Output1: 15W + Output2: 3W)
Pre-scan	10	Charge mode (Output1: 5W + Output3: 2.5W)
Pre-scan	11	Charge mode (Output1: 7.5W + Output3: 2.5W)
Pre-scan	12	Charge mode (Output1: 10W + Output3: 2.5W)
Pre-scan	13	Charge mode (Output1: 15W + Output3: 2.5W)
Pre-scan	14	Charge mode (Output1: 5W + Output2: 3W + Output3: 2.5W)
Pre-scan	15	Charge mode (Output1: 7.5W + Output2: 3W + Output3: 2.5W)
Pre-scan	16	Charge mode (Output1: 10W + Output2: 3W + Output3: 2.5W)
Pre-scan	17	Charge mode (Output1: 15W + Output2: 3W + Output3: 2.5W)

Test results

20dB Bandwidth

- Test mode: 03

Frequency (kHz)	20dB Bandwidth (Hz)	Limit
149.859	440.00	Reporting purpose only

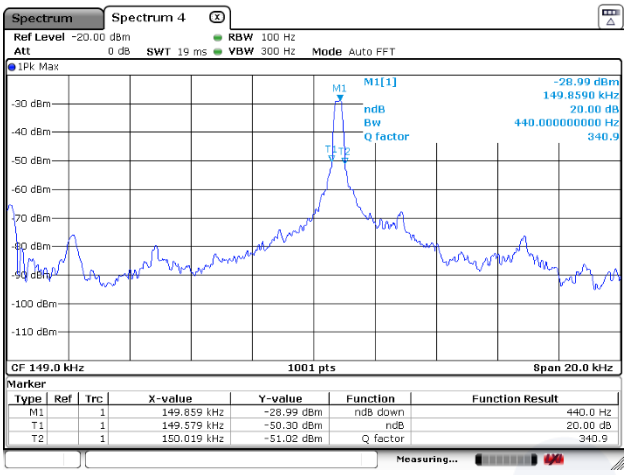
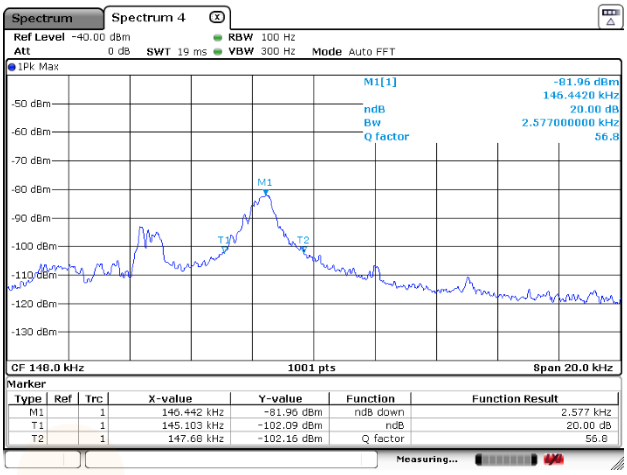
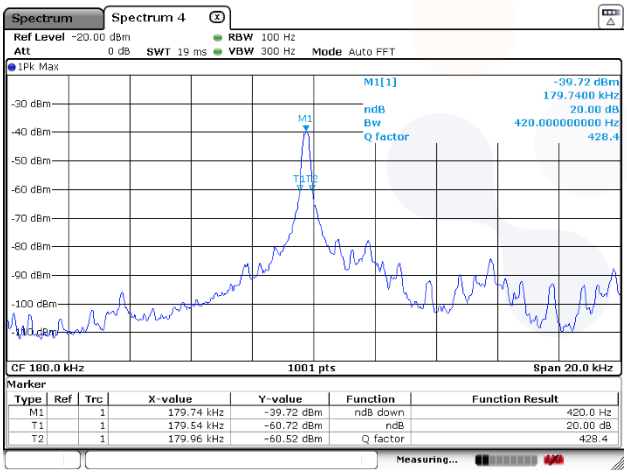
- Test mode: 04

Frequency (kHz)	20dB Bandwidth (Hz)	Limit
146.442	2 577.00	Reporting purpose only

- Test mode: 05

Frequency (kHz)	20dB Bandwidth (Hz)	Limit
179.740	420.00	Reporting purpose only

Test Plots

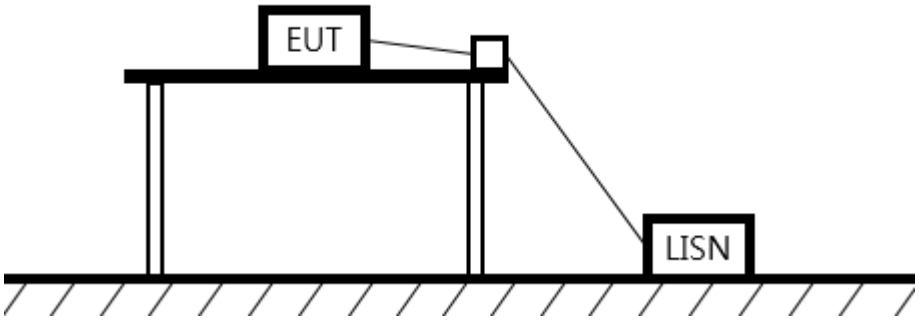
Test mode:03	Test mode:04
147.77 ㎑	147.77 ㎑
	
Test mode:05	
147.77 ㎑	
	Blank

Note:

Because the measured signal is CW/CW-like, adjusting the RBW per C63.10 would not be practical since measured bandwidth will always follow the RBW and the result will be approximately twice the RBW.

6.3. AC Conducted emission

Test setup



Limit

According to 15.207(a), For an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 ㎑ to 30 ㎒, shall not exceed the limits in the following table, as measured using a 50uH/50 ohm line impedance stabilization network (LISN). Compliance with the provision of this paragraph shall on the measurement of the radio frequency voltage between each power line and ground at the power terminal. The lower applies at the boundary between the frequencies ranges.

Frequency of Emission (㎒)	Conducted limit (dBμV/m)	
	Quasi-peak	Average
0.15 – 0.50	66 - 56*	56 - 46*
0.50 – 5.00	56	46
5.00 – 30.0	60	50

Measurement procedure

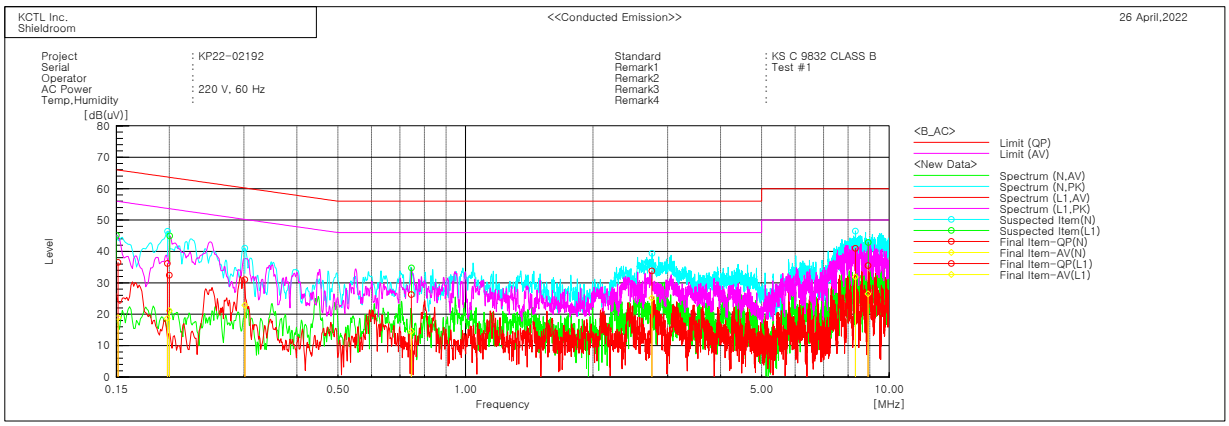
1. The EUT was placed on a wooden table of size, 1 m by 1.5 m, raised 80 ㎝ in which is located 40 ㎝ away from the vertical wall and 1.5m away from the side wall of the shielded room.
2. Each current-carrying conductor of the EUT power cord was individually connected through a 50Ω/50μH LISN, which is an input transducer to a spectrum analyzer or an EMI/Field Intensity ㅡ Meter, to the input power source.
3. Exploratory measurements were made to identify the frequency of the emission that had the highest amplitude relative to the limit by operating the EUT in a range of typical modes of operation, cable position, and with a typical system equipment configuration and arrangement. Based on the exploratory tests of the EUT, the one EUT cable configuration and arrangement and mode of operation that had produced the emission with the highest amplitude relative to the limit was selected for the final measurement.
4. The final test on all current-carrying conductors of all of the power cords to the equipment that comprises the EUT (but not the cords associated with other non-EUT equipment is the system) was then performed over the frequency range of 0.15 ㎒ to 30 ㎒.
5. The measurements were made with the detector set to peak amplitude within a bandwidth of 10 ㎑ or to quasi-peak and average within a bandwidth of 9 ㎑. The EUT was in transmitting mode during the measurements.

Test modes:

Pre-scan / Final test	Mode code	Description
Pre-scan	00	Charge mode (Output1: 5W)
Pre-scan	01	Charge mode (Output1: 7.5W)
Pre-scan	02	Charge mode (Output1: 10W)
Final test	03	**Charge mode (Output1: 15W)**
Pre-scan	04	Charge mode (Output2: 3W)
Pre-scan	05	Charge mode (Output3: 2.5W)
Pre-scan	06	Charge mode (Output1: 5W + Output2: 3W)
Pre-scan	07	Charge mode (Output1: 7.5W + Output2: 3W)
Pre-scan	08	Charge mode (Output1: 10W + Output2: 3W)
Pre-scan	09	Charge mode (Output1: 15W + Output2: 3W)
Pre-scan	10	Charge mode (Output1: 5W + Output3: 2.5W)
Pre-scan	11	Charge mode (Output1: 7.5W + Output3: 2.5W)
Pre-scan	12	Charge mode (Output1: 10W + Output3: 2.5W)
Pre-scan	13	Charge mode (Output1: 15W + Output3: 2.5W)
Pre-scan	14	Charge mode (Output1: 5W + Output2: 3W + Output3: 2.5W)
Pre-scan	15	Charge mode (Output1: 7.5W + Output2: 3W + Output3: 2.5W)
Pre-scan	16	Charge mode (Output1: 10W + Output2: 3W + Output3: 2.5W)
Final test	17	**Charge mode (Output1: 15W + Output2: 3W + Output3: 2.5W)**

Test results

Test mode: 03



Final Result

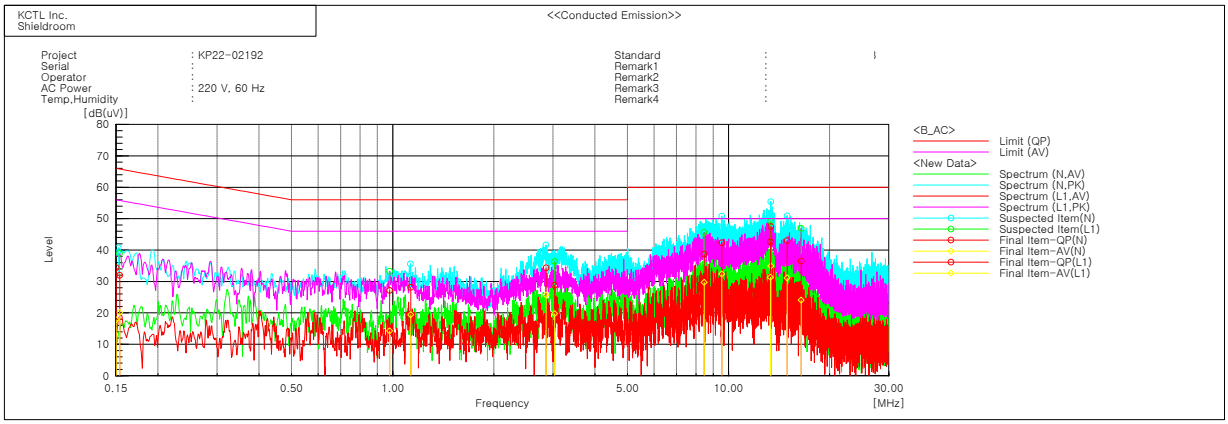
--- N Phase ---

No.	Frequency [MHz]	Reading QP [dB(uV)]	Reading CAV [dB(uV)]	c.f [dB]	Result QP [dB(uV)]	Result CAV [dB(uV)]	Limit QP [dB(uV)]	Limit AV [dB(uV)]	Margin QP [dB]	Margin CAV [dB]
1	0.20005	22.5	11.2	9.9	32.4	21.1	63.6	53.6	31.2	32.5
2	0.30135	21.4	13.3	9.6	31.0	22.9	60.2	50.2	29.2	27.3
3	2.75208	24.2	15.5	9.6	33.8	25.1	56.0	46.0	22.2	20.9
4	8.32367	31.3	22.1	9.7	41.0	31.8	60.0	50.0	19.0	18.2
5	14.24572	23.1	14.4	9.9	33.0	24.3	60.0	50.0	27.0	25.7
6	15.75718	27.2	18.7	9.9	37.1	28.6	60.0	50.0	22.9	21.4

--- L1 Phase ---

No.	Frequency [MHz]	Reading QP [dB(uV)]	Reading CAV [dB(uV)]	c.f [dB]	Result QP [dB(uV)]	Result CAV [dB(uV)]	Limit QP [dB(uV)]	Limit AV [dB(uV)]	Margin QP [dB]	Margin CAV [dB]
1	0.15134	26.8	9.2	9.7	36.5	18.9	65.9	55.9	29.4	37.0
2	0.19796	26.3	8.8	9.9	36.2	18.7	63.7	53.7	27.5	35.0
3	0.74466	16.4	4.7	9.8	26.2	14.5	56.0	46.0	29.8	31.5
4	8.91773	25.8	16.8	9.7	35.5	26.5	60.0	50.0	24.5	23.5
5	13.91968	23.8	16.0	9.9	33.7	25.9	60.0	50.0	26.3	24.1
6	15.64272	23.8	15.1	9.9	33.7	25.0	60.0	50.0	26.3	25.0

Test mode: 17



Final Result

--- N Phase ---

No.	Frequency [MHz]	Reading QP [dB(uV)]	Reading CAV [dB(uV)]	c.f [dB]	Result QP [dB(uV)]	Result CAV [dB(uV)]	Limit QP [dB(uV)]	Limit AV [dB(uV)]	Margin QP [dB]	Margin CAV [dB]
1	9.55026	32.5	22.5	9.8	42.3	32.3	60.0	50.0	17.7	17.7
2	2.86263	24.7	16.1	9.6	34.3	25.7	56.0	46.0	21.7	20.3
3	13.3582	37.6	25.0	9.9	47.5	34.9	60.0	50.0	12.5	15.1
4	14.94629	33.1	21.2	9.9	43.0	31.1	60.0	50.0	17.0	18.9
5	0.15398	22.3	10.5	9.7	32.0	20.2	65.8	55.8	33.8	35.6
6	1.13096	18.4	9.7	9.7	28.1	19.4	56.0	46.0	27.9	26.6

--- L1 Phase ---

No.	Frequency [MHz]	Reading QP [dB(uV)]	Reading CAV [dB(uV)]	c.f [dB]	Result QP [dB(uV)]	Result CAV [dB(uV)]	Limit QP [dB(uV)]	Limit AV [dB(uV)]	Margin QP [dB]	Margin CAV [dB]
1	8.46085	29.0	20.0	9.7	38.7	29.7	60.0	50.0	21.3	20.3
2	13.33671	32.7	21.4	9.9	42.6	31.3	60.0	50.0	17.4	18.7
3	0.15024	24.7	8.1	9.7	34.4	17.8	66.0	56.0	31.6	38.2
4	3.03632	19.2	10.1	9.6	28.8	19.7	56.0	46.0	27.2	26.3
5	16.46068	26.6	14.1	9.9	36.5	24.0	60.0	50.0	23.5	26.0
6	0.97906	17.5	4.5	9.7	27.2	14.2	56.0	46.0	28.8	31.8

7. Measurement equipment

Equipment Name	Manufacturer	Model No.	Serial No.	Next Cal. Date
Spectrum Analyzer	R&S	FSV30	100732	23.01.19
EMI TEST RECEIVER	R&S	ESCI7	100732	23.03.04
Bi-Log Antenna	TESEQ	CBL 6112D	55545	23.01.14
Amplifier	SONOMA INSTRUMENT	310N	284608	22.08.19
LOOP Antenna	R&S	HFH2-Z2	100355	22.08.21
ATTENUATOR	KEYSIGHT	8491B-6dB	MY39271060	23.01.14
Antenna Mast	Innco Systems	MA4000-EP	303	-
Turn Table	Innco Systems	DT2000	79	-
TWO-LINE V - NETWORK	R&S	ENV216	101358	22.09.29
Signal Generator	R&S	SMB100A	176206	23.01.19
EMI TEST RECEIVER	R&S	ESCI3	100001	22.08.19
Vector Signal Generator	R&S	SMBV100A	257566	22.07.09

End of test report