

FCC EMC Test Report

Report No. : BTL-FCCE-1-2112T111
Equipment : USB-C Multi Adapter
Model Name : JCD392
Brand Name : j5create
Applicant : Kaijet Technology International Corporation
Address : 8F., No. 109, Zhongcheng Rd., Tucheng Dist., New Taipei City 236, Taiwan (R.O.C.)

FCC Rule Part(s) : FCC CFR Title 47, Part 15, Subpart B, Class B
Measurement Procedure(s) : ANSI C63.4-2014

Date of Receipt : 2021/12/23
Date of Test : 2021/12/23 ~ 2022/1/11
Issued Date : 2022/2/7

The above equipment has been tested and found in compliance with the requirement of the above standards by BTL Inc.

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**BTL Inc.**

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Declaration

BTL represents to the client that testing is done in accordance with standard procedures as applicable and that test instruments used has been calibrated with standards traceable to international standard(s) and/or national standard(s).

BTL's reports apply only to the specific samples tested under conditions. It is manufacture's responsibility to ensure that additional production units of this model are manufactured with the identical electrical and mechanical components. **BTL** shall have no liability for any declarations, inferences or generalizations drawn by the client or others from **BTL** issued reports.

This report is the confidential property of the client. As a mutual protection to the clients, the public and ourselves, the test report shall not be reproduced, except in full, without our written approval.

BTL's laboratory quality assurance procedures are in compliance with the **ISO/IEC 17025** requirements, and accredited by the conformity assessment authorities listed in this test report.

BTL is not responsible for the sampling stage, so the results only apply to the sample as received.

The information, data and test plan are provided by manufacturer which may affect the validity of results, so it is manufacturer's responsibility to ensure that the apparatus meets the essential requirements of applied standards and in all the possible configurations as representative of its intended use.

Limitation

For the use of the authority's logo is limited unless the Test Standard(s)/Scope(s)/Item(s) mentioned in this test report is (are) included in the conformity assessment authorities acceptance respective.

Please note that the measurement uncertainty is provided for informational purpose only and are not use in determining the Pass/Fail results.

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REVISION HISTORY

Report No.	Version	Description	Issued Date
BTL-FCCE-1-2112T111	R00	Original Report.	2022/2/7

1 SUMMARY OF TEST RESULTS

Emission			
Standard	Test Item	Limit	Judgment
FCC CFR Title 47, Part 15, Subpart B	AC power line conducted emissions	Class B	PASS
	Radiated emissions below 1 GHz	Class B	PASS
	Radiated emissions above 1 GHz	Class B	PASS

NOTE:

- (1) "N/A" denotes test is not applicable in this Test Report.
- (2) The report format version is TP.1.1.1.

1.1 TEST FACILITY

The test facilities used to collect the test data in this report:

No. 68-1, Ln. 169, Sec. 2, Datong Rd., Xizhi Dist., New Taipei City 221, Taiwan

The test sites and facilities are covered under FCC RN: 355421 and DN: TW1099.

C05
 CB08
 CB11
 CB15
 CB16

1.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement $y \pm U$, where expanded uncertainty U is based on a standard uncertainty multiplied by a coverage factor of $k = 2$, providing a level of confidence of approximately **95 %**.

The measurement instrumentation uncertainty considerations contained in CISPR 16-4-2. The BTL measurement uncertainty is less than the CISPR 16-4-2 U_{cispr} requirement.

A. AC power line conducted emissions test:

Test Site	Method	Measurement Frequency Range	U (dB)
C05	CISPR	150 kHz ~ 30 MHz	3.44

B. Radiated emissions up to 1 GHz test:

Test Site	Method	Measurement Frequency Range	Ant. H / V	U,(dB)
CB08 (10m)	CISPR	30 MHz ~ 200 MHz	V	3.12
		30 MHz ~ 200 MHz	H	3.26
		200 MHz ~ 1,000 MHz	V	3.22
		200 MHz ~ 1,000 MHz	H	3.12

C. Radiated emissions above 1 GHz test:

Test Site	Method	Measurement Frequency Range	Ant. H / V	U (dB)
CB11 (3m)	CISPR	1 GHz ~ 6 GHz	V	4.44
		1 GHz ~ 6 GHz	H	4.40
		6 GHz ~ 18 GHz	V	4.02
		6 GHz ~ 18 GHz	H	4.00

NOTE:

Unless specifically mentioned, the uncertainty of measurement has not been taken into account to declare the compliance or non-compliance to the specification.

1.3 TEST ENVIRONMENT CONDITIONS

Test Item	Environment Condition	Tested by
Conducted emissions	20°C, 75%	David Hsu
Radiated emissions below 1 GHz	23°C, 53%	Richard Chen
Radiated emissions above 1 GHz	21°C, 71%	David Hsu

2 GENERAL INFORMATION

2.1 EUT INFORMATION

Equipment	USB-C Multi Adapter
Model Name	JCD392
Brand Name	j5create
Model Difference	N/A
Power Source	DC Voltage supplied from host system.
Power Rating	DC 5V, 0.3A
Products Covered	N/A
Test Model	JCD392
Sample Status	Engineering Sample
Highest Internal Frequency	594 MHz
EUT Modification(s)	N/A

NOTE:

- (1) For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.

2.2 TEST MODES

The test system was pre-tested based on the consideration of all possible combinations of EUT operation mode.

Pretest Mode	Description
Mode 1	FULL SYSTEM HDMI 3840*2160/30Hz (TYPE - C POWER IN FOR ADAPTER)
Mode 2	FULL SYSTEM HDMI 3840*2160/30Hz (TYPE - C POWER OUT DC 5V/0.9A)
Mode 3	FULL SYSTEM HDMI 3840*2160/30Hz (TYPE - C FOR HDD)

Following mode(s) was (were) found to be the worst case(s) and selected for the final test.

AC power line conducted emissions test	
Final Test Mode	Description
Mode 1	FULL SYSTEM HDMI 3840*2160/30Hz (TYPE - C POWER IN FOR ADAPTER)

Radiated emissions below 1 GHz test	
Final Test Mode	Description
Mode 1	FULL SYSTEM HDMI 3840*2160/30Hz (TYPE - C POWER IN FOR ADAPTER)

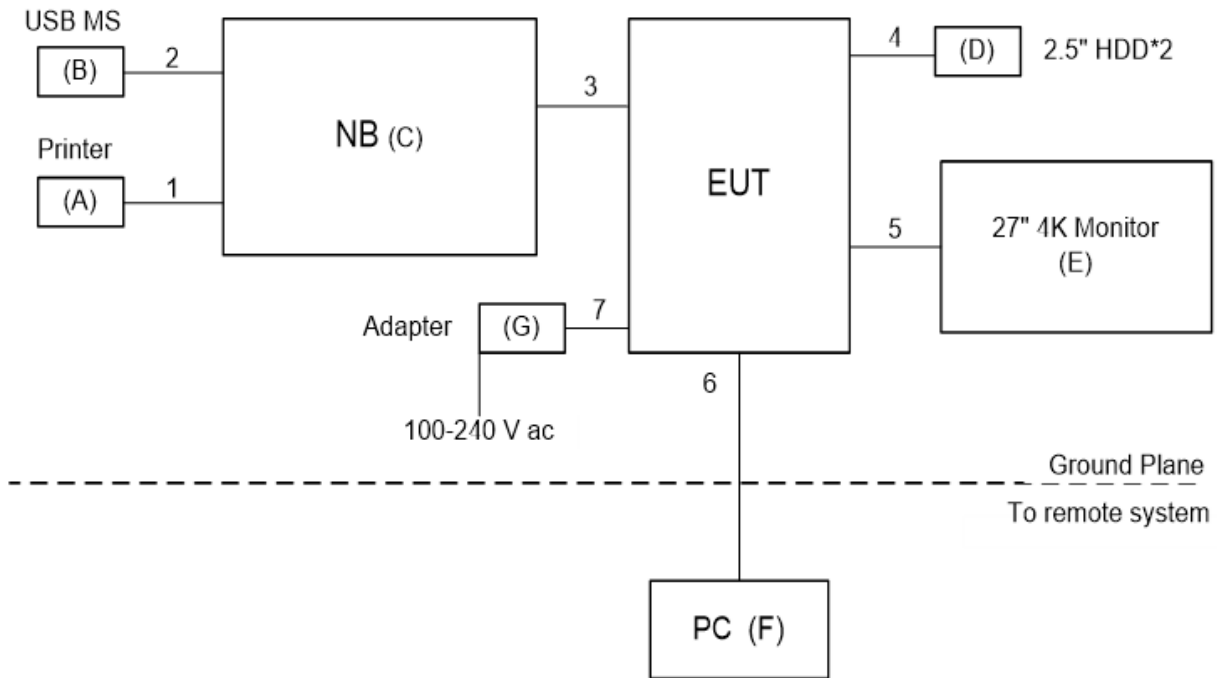
Radiated emissions above 1 GHz test	
Final Test Mode	Description
Mode 1	FULL SYSTEM HDMI 3840*2160/30Hz (TYPE - C POWER IN FOR ADAPTER)

2.3 EUT OPERATING CONDITION

The PC exercise program (BurninTEST V9.0) used during radiated and/or conducted emissions measurement was designed to exercise the various system components in a manner similar to a typical use.

2.4 TESTED CONFIGURATION DIAGRAM

Equipment letters and Cable numbers refer to item numbers described in the tables of clause 2.5.



2.5 SUPPORT UNITS

Item	Equipment	Brand	Model No.	Series No.	Remarks
A	Printer	HP	SNPRH-1504	N/A	Furnished by test lab.
B	USB Mouse	Lenovo	MOEJUOA	44NZ963	Furnished by test lab.
C	Notebook PC	HP	TPN-Q178	5CD7061MV1	Furnished by test lab.
D	USB 3.0 HDD (My Passport Ultra)	WD	WDBC3C0010BSL-0B	WX81A88ALJUC	Furnished by test lab.
E	27" 4K Monitor	DELL	P2715Q	CN-0NTMTN-WS20 0-750-461L	Furnished by test lab.
F	PC	DELL	OptiPlex 7040	611WJA00	Furnished by test lab.
G	Adapter	HP	TPN-AA03	N/A	Furnished by test lab.

Item	Cable Type	Shielded	Ferrite Core	Length	Remarks
1	USB cable	YES	NO	1.8m	Type: USB 2.0 Furnished by test lab.
2	USB cable	YES	NO	1.7m	Type: USB 2.0 Furnished by test lab.
3	TYPE-C cable	YES	YES	0.2m	Supplied by test requester.
4	USB cable*2	YES	NO	1.8m	Type: USB 3.2 Gen2 Furnished by test lab.
5	HDMI cable	YES	NO	2.0m	Type: HDMI 2.0 Furnished by test lab.
6	RJ-45 cable	NO	NO	10m	Type: Cat.5e /4-pair (8-wire) Furnished by test lab.
7	Power cable	YES	NO	1.8m	Furnished by test lab.

3 EMC EMISSION TEST

3.1 CONDUCTED EMISSIONS TEST

3.1.1 LIMITS

Frequency (MHz)	Class A (dB μ V)		Class B (dB μ V)	
	Quasi-peak	Average	Quasi-peak	Average
0.15 - 0.5	79	66	66 - 56 *	56 - 46 *
0.50 - 5.0	73	60	56	46
5.0 - 30.0	73	60	60	50

NOTE:

- (1) The tighter limit applies at the band edges.
- (2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.
- (3) The test result calculated as following:

Measurement Value = Reading Level + Correct Factor

Correct Factor = Insertion Loss + Cable Loss + Attenuator Factor (if use)

Margin Level = Measurement Value – Limit Value

Calculation example:

Reading Level		Correct Factor		Measurement Value
38.22	+	3.45	=	41.67

Measurement Value		Limit Value		Margin Level
41.67	-	60	=	-18.33

3.1.2 MEASUREMENT INSTRUMENTS LIST

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	TWO-LINE V-NETWORK	R&S	ENV216	101339	2021/3/10	2022/3/9
2	Test Cable	EMCI	EMCRG58-BM-BM-9000	210501	2021/5/3	2022/5/2
3	EMI Test Receiver	R&S	ESR7	101433	2021/11/24	2022/11/23
4	Measurement Software	Farad	EZ EMC (Ver. NB-03A1-01)	N/A	N/A	N/A

REMARK:

- (1) "N/A" denotes no model name, no serial no. or no calibration specified.
- (2) All calibration period of equipment list is one year.

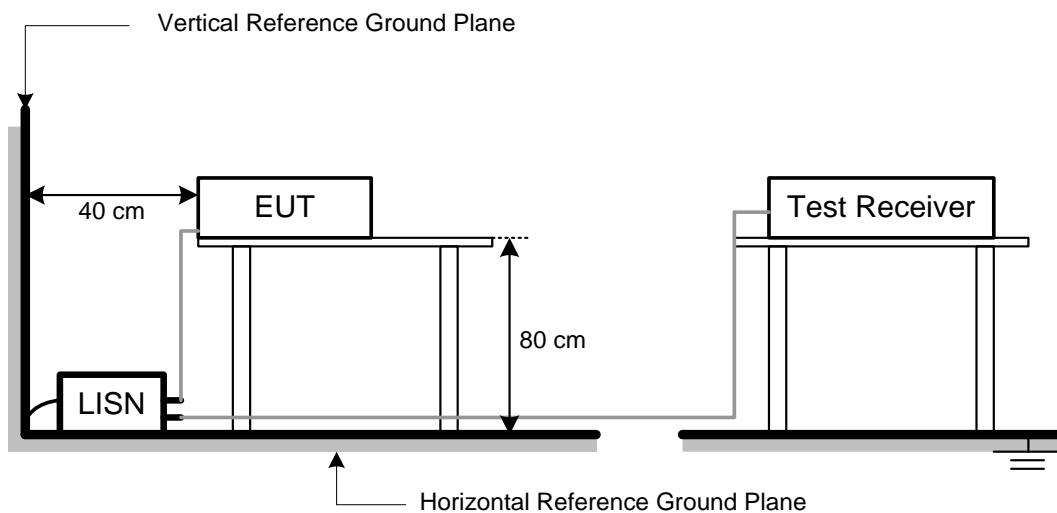
3.1.3 TEST PROCEDURE

- a. The EUT was placed 0.8 m above the horizontal ground plane with the EUT being connected to the power mains through a line impedance stabilization network (LISN).
All other support equipment were powered from an additional LISN(s).
The LISN provides 50 Ohm/50uH of impedance for the measuring instrument.
- b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle to keep the cable above 40 cm.
- c. Excess I/O cables that are not connected to a peripheral shall be bundled in the center.
The end of the cable will be terminated, using the correct terminating impedance.
The overall length shall not exceed 1 m.
- d. The LISN is spaced at least 80 cm from the nearest part of the EUT chassis.
- e. The receiver was set to quasi-peak and average detect function and specified bandwidth with maximum hold mode.
- f. For the actual test configuration, please refer to the related Item - TEST PHOTOS.

3.1.4 DEVIATION FROM TEST STANDARD

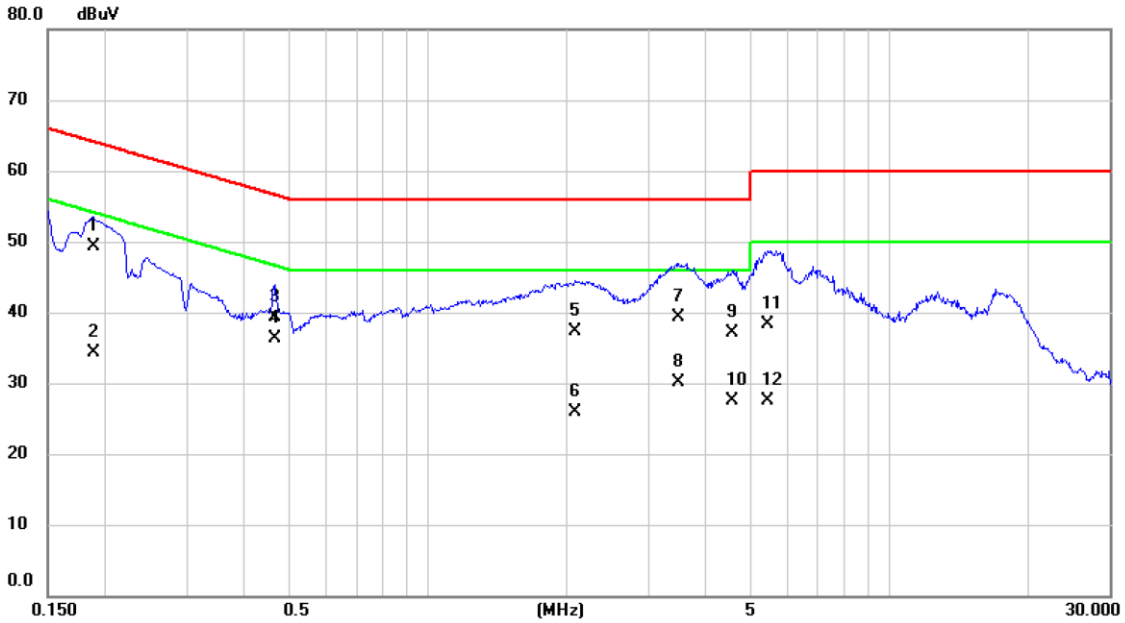
No deviation.

3.1.5 TEST SETUP



3.1.6 TEST RESULT

Test Mode	Mode 1	Tested Date	2022/1/10
Test Voltage	AC 120V/60Hz	Phase	Line

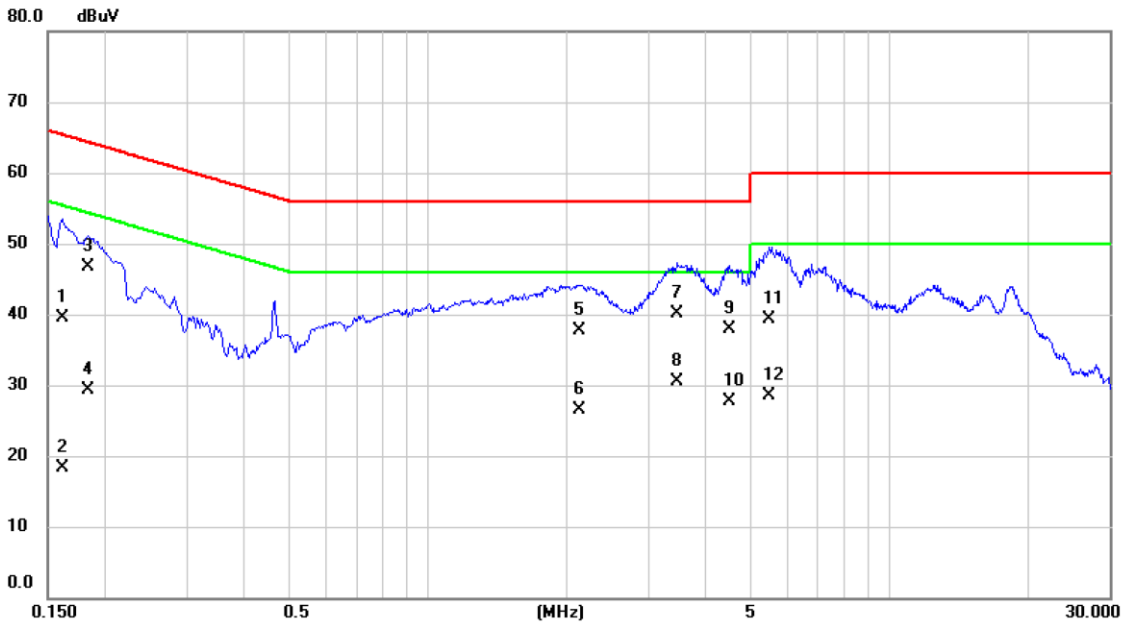


No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measurement dBuV	Limit dBuV	Over dB	Detector	Comment
1	0.1883	39.50	9.72	49.22	64.11	-14.89	QP	
2	0.1883	24.50	9.72	34.22	54.11	-19.89	AVG	
3	0.4650	29.60	9.73	39.33	56.60	-17.27	QP	
4 *	0.4650	26.50	9.73	36.23	46.60	-10.37	AVG	
5	2.0873	27.50	9.77	37.27	56.00	-18.73	QP	
6	2.0873	16.20	9.77	25.97	46.00	-20.03	AVG	
7	3.4958	29.50	9.85	39.35	56.00	-16.65	QP	
8	3.4958	20.30	9.85	30.15	46.00	-15.85	AVG	
9	4.5668	27.20	9.94	37.14	56.00	-18.86	QP	
10	4.5668	17.50	9.94	27.44	46.00	-18.56	AVG	
11	5.4443	28.30	9.99	38.29	60.00	-21.71	QP	
12	5.4443	17.60	9.99	27.59	50.00	-22.41	AVG	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode	Mode 1	Tested Date	2022/1/10
Test Voltage	AC 120V/60Hz	Phase	Neutral



No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measurement dBuV	Limit dBuV	Over dB	Detector	Comment
1	0.1613	29.70	9.74	39.44	65.40	-25.96	QP	
2	0.1613	8.50	9.74	18.24	55.40	-37.16	AVG	
3	0.1838	36.90	9.73	46.63	64.31	-17.68	QP	
4	0.1838	19.60	9.73	29.33	54.31	-24.98	AVG	
5	2.1323	28.00	9.78	37.78	56.00	-18.22	QP	
6	2.1323	16.80	9.78	26.58	46.00	-19.42	AVG	
7	3.4733	30.20	9.86	40.06	56.00	-15.94	QP	
8 *	3.4733	20.60	9.86	30.46	46.00	-15.54	AVG	
9	4.5173	27.90	9.95	37.85	56.00	-18.15	QP	
10	4.5173	17.80	9.95	27.75	46.00	-18.25	AVG	
11	5.4915	29.20	10.01	39.21	60.00	-20.79	QP	
12	5.4915	18.50	10.01	28.51	50.00	-21.49	AVG	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

3.2 RADIATED EMISSIONS BELOW 1 GHZ TEST

3.2.1 LIMITS

FCC CFR Title 47, Part 15, Subpart B:

Frequency (MHz)	Class A (at 10 m)		Class A (at 3 m)*	Class B (at 3 m)	
	(uV/m) Field strength	(dBuV/m) Field strength	(dBuV/m) Field strength	(uV/m) Field strength	(dBuV/m) Field strength
30 - 88	90	39	49.46	100	40
88 - 216	150	43.5	53.96	150	43.5
216 - 960	210	46.4	56.86	200	46
Above 960	300	49.5	59.96	500	54

* FCC CFR Title 47, Part 15, Subpart A, section 15.31(f)(1), the distance could be extrapolated by using 20 dB/decade factor.

Alternative Limits:

Frequency (MHz)	Class A (at 10 m)	Class B (at 10 m)
	dB μ V/m	dB μ V/m
30 - 230	40	30
230 - 1000	47	37

FCC CFR Title 47, Part 15, Subpart B, section 15.109(g) provides, as an alternative, compliance to the CISPR 22 (Third Edition) radiated emission limits in the 30 MHz to 1000 MHz range.

Frequency range of radiated measurements (For unintentional radiators)

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

NOTE:

- (1) The tighter limit applies at the band edges.
- (2) Emission level (dBuV/m) = 20log Emission level (uV/m).
3 m Emission level = 10 m Emission level + 20log(10 m/3 m).
- (3) The test result calculated as following:
Measurement Value = Reading Level + Correct Factor
Correct Factor = Antenna Factor + Cable Loss - Amplifier Gain (if use)
Margin Level = Measurement Value - Limit Value

Calculation example:

Reading Level		Correct Factor		Measurement Value
19.11	+	2.11	=	21.22

Measurement Value		Limit Value		Margin Level
21.22	-	40	=	-18.78

3.2.2 MEASUREMENT INSTRUMENTS LIST

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	Log-Bicon Antenna	Schwarzbeck	VULB 9168	9168-641	2021/2/22	2022/2/21
2	Attenuator	Inmet	EMCI-N-6-05	AT-N0507	2021/2/22	2022/2/21
3	Pre-Amplifier	EMCI	EMC 9135	980282	2021/9/22	2022/9/21
4	Test Cable	EMCI	EMC104-SM-SM-800	150332	2021/10/21	2022/10/20
5	Test Cable	EMCI	EMCCFD400-NM-NM-8000	200345	2021/10/21	2022/10/20
6	Test Cable	EMCI	EMCCFD400-NM-NM-3500	191016	2021/10/21	2022/10/20
7	Test Cable	EMCI	EMC104-SM-SM-2500	191018	2021/10/21	2022/10/20
8	EMI Test Receiver	Keysight	N9038A	MY54130009	2021/6/8	2022/6/7
9	Log-Bicon Antenna	Schwarzbeck	VULB 9168	9168-673	2021/3/25	2022/3/24
10	Attenuator	Inmet	EMCI-N-6-05	AT-N0615	2021/3/25	2022/3/24
11	Pre-Amplifier	EMCI	EMC 9135	980281	2021/9/22	2022/9/21
12	Test Cable	EMCI	EMC104-SM-SM-1000	150330	2021/10/21	2022/10/20
13	Test Cable	EMCI	EMC104-SM-NM-2500	191019	2021/10/21	2022/10/20
14	Test Cable	EMCI	EMCCFD400-NM-NM-8000	200342	2021/10/21	2022/10/20
15	Test Cable	EMCI	EMCCFD400-NM-NM-11000	191021	2021/10/21	2022/10/20
16	EXA Signal Analyzer	Keysight	N9010A	MY54200483	2021/10/6	2022/10/5
17	Measurement Software	Farad	EZ_EMCI (Ver. NB-03A1-01)	N/A	N/A	N/A

REMARK:

- (1) "N/A" denotes no model name, no serial no. or no calibration specified.
- (2) All calibration period of equipment list is one year.

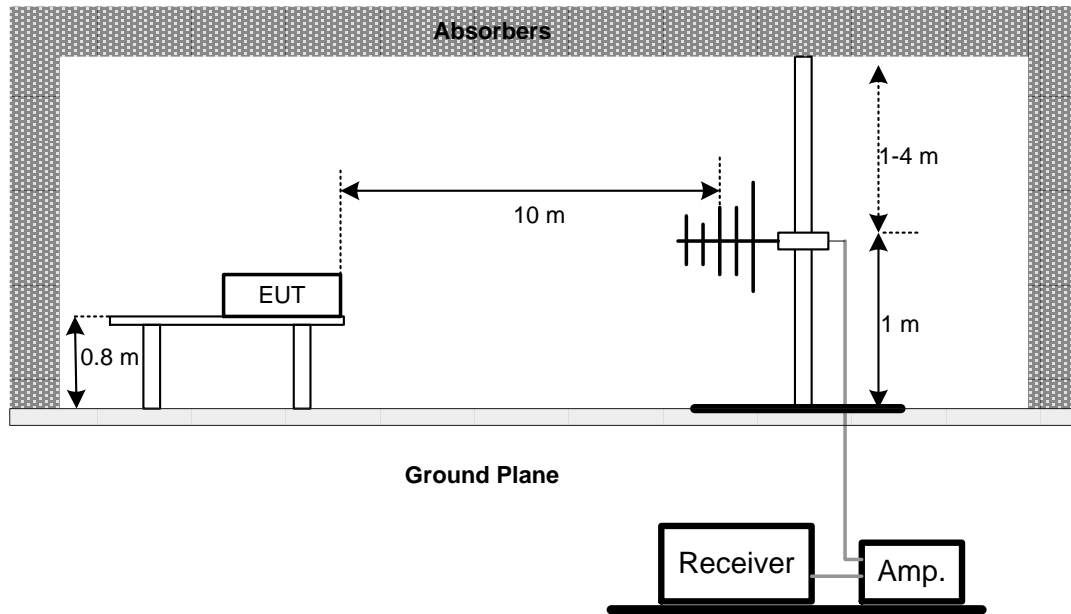
3.2.3 TEST PROCEDURE

- a. The separation distance of 10 m was used for measurements below 1 GHz. The EUT was placed on the top of a rotating table 0.8 m above the ground in a 10 m semi-anechoic chamber.
- b. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. The height of the receive antenna was varied between 1 m and 4 m. Both horizontal and vertical polarizations of the antenna were checked.
- d. For each suspected emission, the EUT was arranged at its worst case and then the antenna was scanned in height to find the maximum. The tower Bore sight function was used.
- e. The receiver was set to quasi-peak detect function and specified bandwidth with maximum hold mode.
- f. For the actual test configuration, please refer to the related Item - TEST PHOTOS.

3.2.4 DEVIATION FROM TEST STANDARD

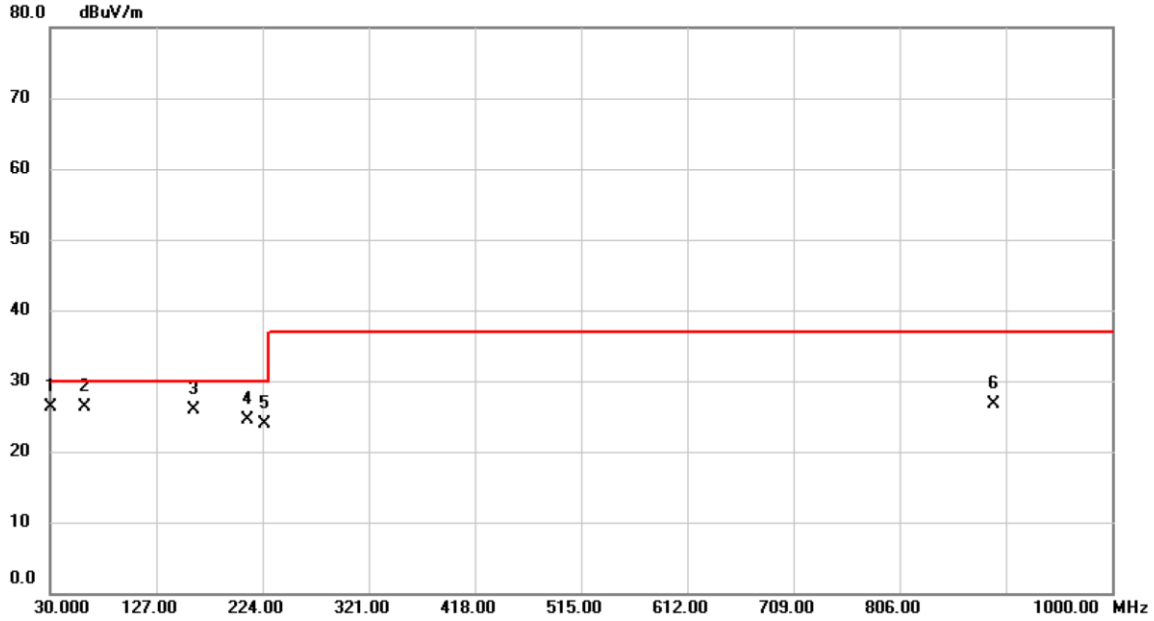
No deviation.

3.2.5 TEST SETUP



3.2.6 TEST RESULT

Test Mode	Mode 1	Tested Date	2022/1/7
Test Voltage	AC 120V/60Hz	Polarization	Vertical

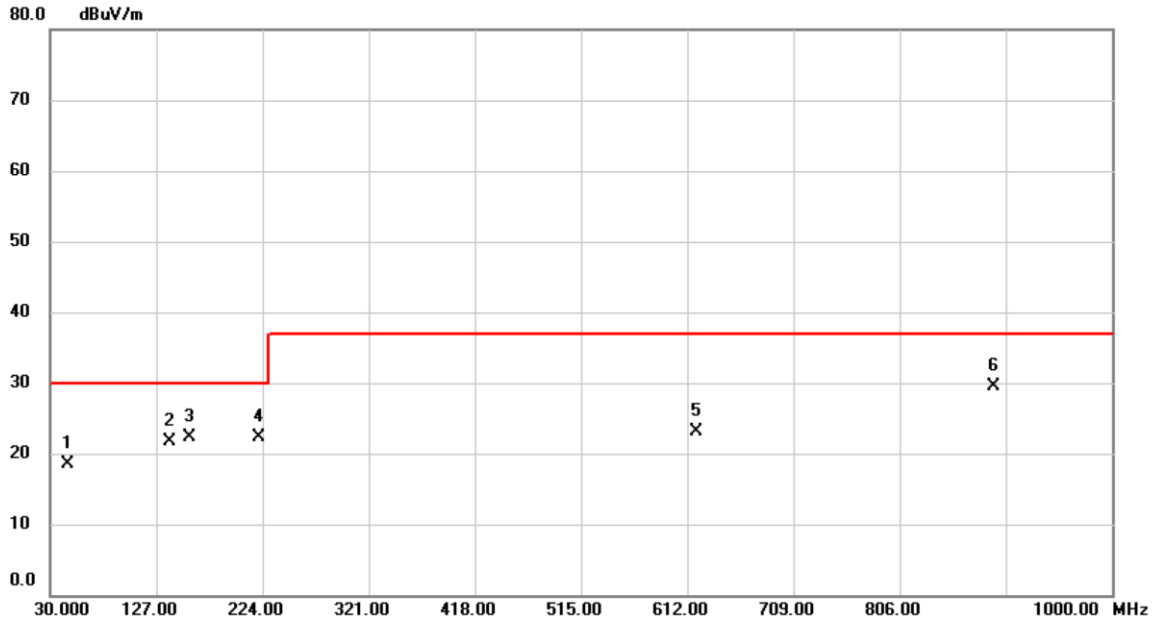


No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Margin dB	Detector	Antenna Height cm	Table Degree	Comment
1	30.000	45.11	-18.86	26.25	30.00	-3.75	QP	101	0	
2*	62.010	43.60	-17.31	26.29	30.00	-3.71	QP	200	360	
3	160.950	41.57	-15.64	25.93	30.00	-4.07	QP	100	179	
4	210.420	43.03	-18.52	24.51	30.00	-5.49	QP	100	1	
5	225.940	42.00	-18.11	23.89	30.00	-6.11	QP	100	187	
6	891.360	31.00	-4.35	26.65	37.00	-10.35	QP	199	154	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode	Mode 1	Tested Date	2022/1/7
Test Voltage	AC 120V/60Hz	Polarization	Horizontal



No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Margin dB	Detector	Antenna Height cm	Table Degree	Comment
1	45.520	36.32	-17.85	18.47	30.00	-11.53	QP	399	0	
2	139.610	39.40	-17.60	21.80	30.00	-8.20	QP	399	0	
3	157.070	38.97	-16.75	22.22	30.00	-7.78	QP	400	341	
4	221.090	42.04	-19.65	22.39	30.00	-7.61	QP	400	187	
5	620.730	32.53	-9.39	23.14	37.00	-13.86	QP	100	16	
6 *	891.360	35.53	-5.97	29.56	37.00	-7.44	QP	100	113	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

3.3 RADIATED EMISSIONS ABOVE 1 GHZ TEST

3.3.1 LIMITS

Frequency (GHz)	Class A				Class B	
	(dBuV/m) (at 3 m)		(dBuV/m) (at 10 m)		(dBuV/m) (at 3 m)	
	Peak	Average	Peak	Average	Peak	Average
Above 1	80	60	69.5	49.5	74	54

Frequency range of radiated measurements (For unintentional radiators)

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

NOTE:

- (1) The tighter limit applies at the band edges.
- (2) Emission level (dBuV/m) = 20log Emission level (uV/m).
- (3) The test result calculated as following:

Measurement Value = Reading Level + Correct Factor

Correct Factor = Antenna Factor + Cable Loss - Amplifier Gain (if use)

Margin Level = Measurement Value - Limit Value

Calculation example:

Reading Level		Correct Factor		Measurement Value
36.89	+	4.23	=	41.12

Measurement Value		Limit Value		Margin Level
41.12	-	54	=	-12.88

3.3.2 MEASUREMENT INSTRUMENTS LIST

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	Horn Ant	SCHWARZBECK	BBHA 9120 D	9120D-1783	2021/8/24	2022/8/23
2	Pre-Amplifier	EMCI	EMC012645SE	980411	2021/1/21	2022/1/20
3	Test Cable	EMCI	EMC104-SM-SM-2500	150306	2021/12/9	2022/12/8
4	Test Cable	EMCI	EMC104-SM-SM-7000	201222	2021/12/9	2022/12/8
5	Test Cable	EMCI	EMC104-SM-SM-1000	170815	2021/12/9	2022/12/8
6	EMI Test Receiver	Agilent	N9038A	MY51210215	2021/7/28	2022/7/27
7	Measurement Software	Farad	EZ_EMG (Ver. NB-03A1-01)	N/A	N/A	N/A

REMARK:

- (1) "N/A" denotes no model name, no serial no. or no calibration specified.
- (2) All calibration period of equipment list is one year.

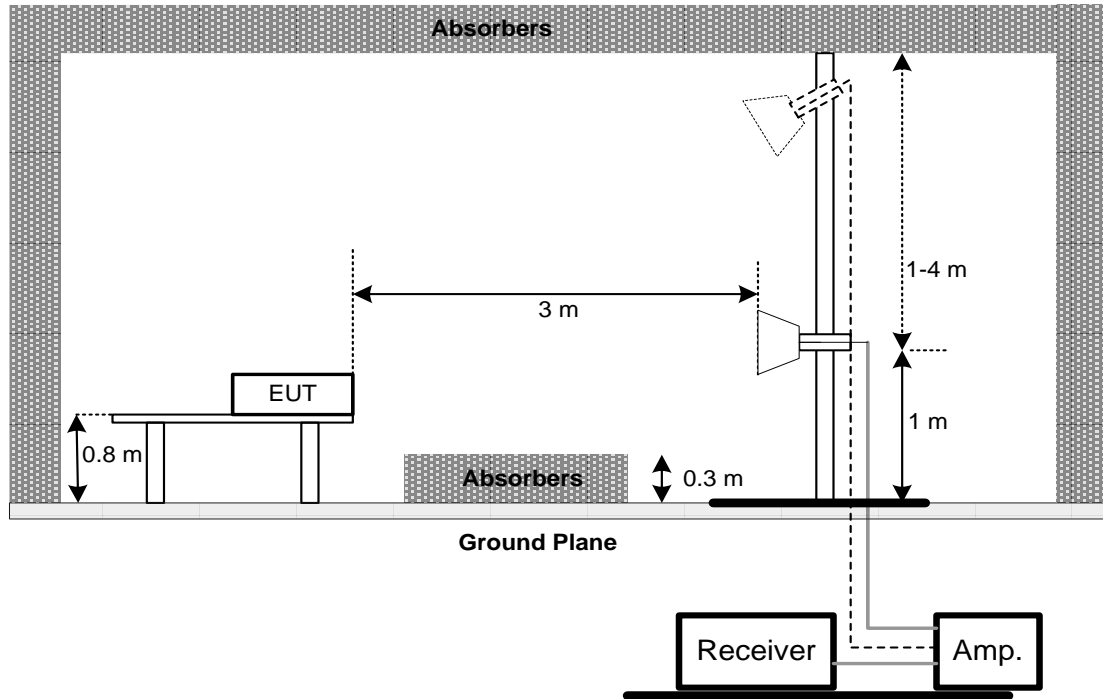
3.3.3 TEST PROCEDURE

- a. The separation distance of 3 m was used for measurements above 1 GHz. The test limits were altered using the 20 dB/decade extrapolation factor. The EUT was placed on the top of a rotating table 0.8 m above the ground in a 3 m semi-anechoic chamber.
- b. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. The height of the receive antenna was varied between 1 m and 4 m. Both horizontal and vertical polarizations of the antenna were checked.
- d. For each suspected emission, the EUT was arranged at its worst case and then the antenna was scanned in height to find the maximum. The tower Bore sight function was used.
- e. The receiver/spectrum analyzer was set to peak and average detect function and specified bandwidth with maximum hold mode.
- f. For the actual test configuration, please refer to the related Item - TEST PHOTOS.

3.3.4 DEVIATION FROM TEST STANDARD

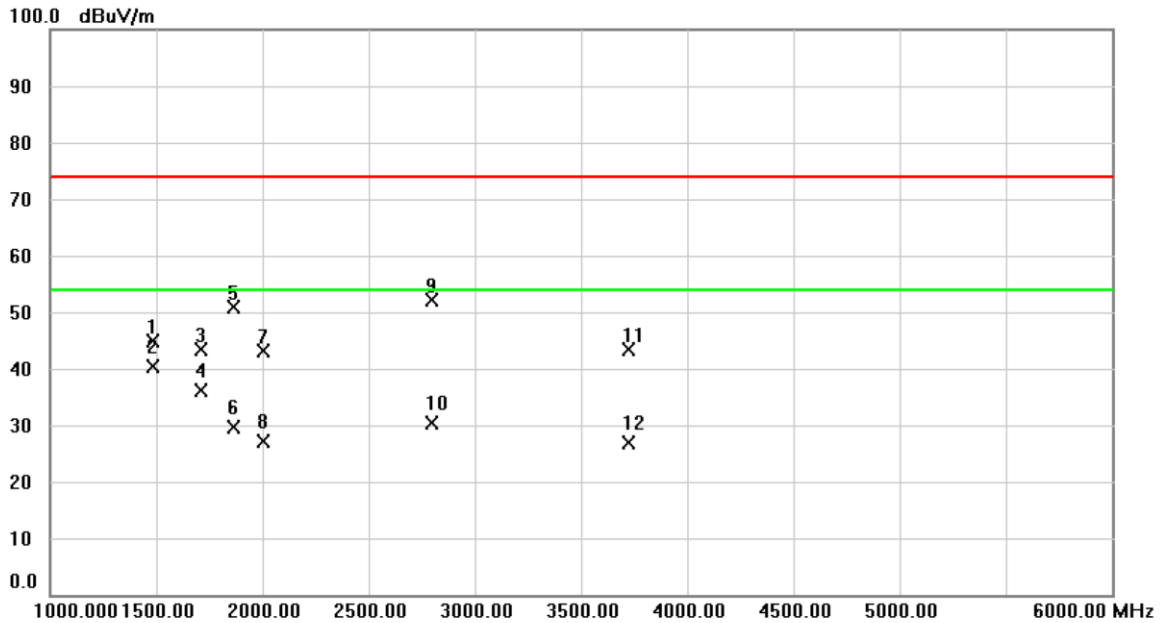
No deviation.

3.3.5 TEST SETUP



3.3.6 TEST RESULT

Test Mode	Mode 1	Tested Date	2022/1/10
Test Voltage	AC 120V/60Hz	Polarization	Vertical



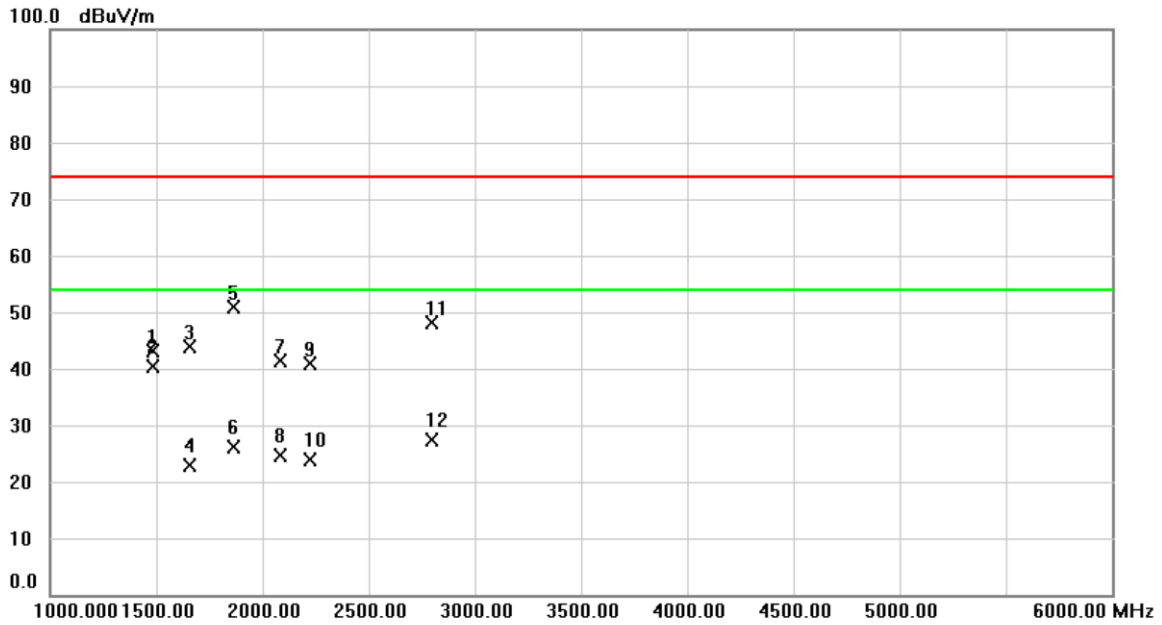
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Antenna Height cm	Table Degree	Comment
1		1485.000	64.76	-19.83	44.93	74.00	-29.07	peak	200	163
2	*	1485.000	60.27	-19.83	40.44	54.00	-13.56	AVG	200	163
3		1710.000	62.43	-19.09	43.34	74.00	-30.66	peak	200	183
4		1710.000	55.29	-19.09	36.20	54.00	-17.80	AVG	200	183
5		1860.000	69.47	-18.61	50.86	74.00	-23.14	peak	100	285
6		1860.000	48.33	-18.61	29.72	54.00	-24.28	AVG	100	285
7		2000.000	61.39	-18.16	43.23	74.00	-30.77	peak	100	357
8		2000.000	45.26	-18.16	27.10	54.00	-26.90	AVG	100	357
9		2795.000	67.11	-14.98	52.13	74.00	-21.87	peak	100	358
10		2795.000	45.28	-14.98	30.30	54.00	-23.70	AVG	100	358
11		3725.000	56.81	-13.32	43.49	74.00	-30.51	peak	100	14
12		3725.000	40.13	-13.32	26.81	54.00	-27.19	AVG	100	14

REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

Test Mode	Mode 1	Tested Date	2022/1/10
Test Voltage	AC 120V/60Hz	Polarization	Horizontal



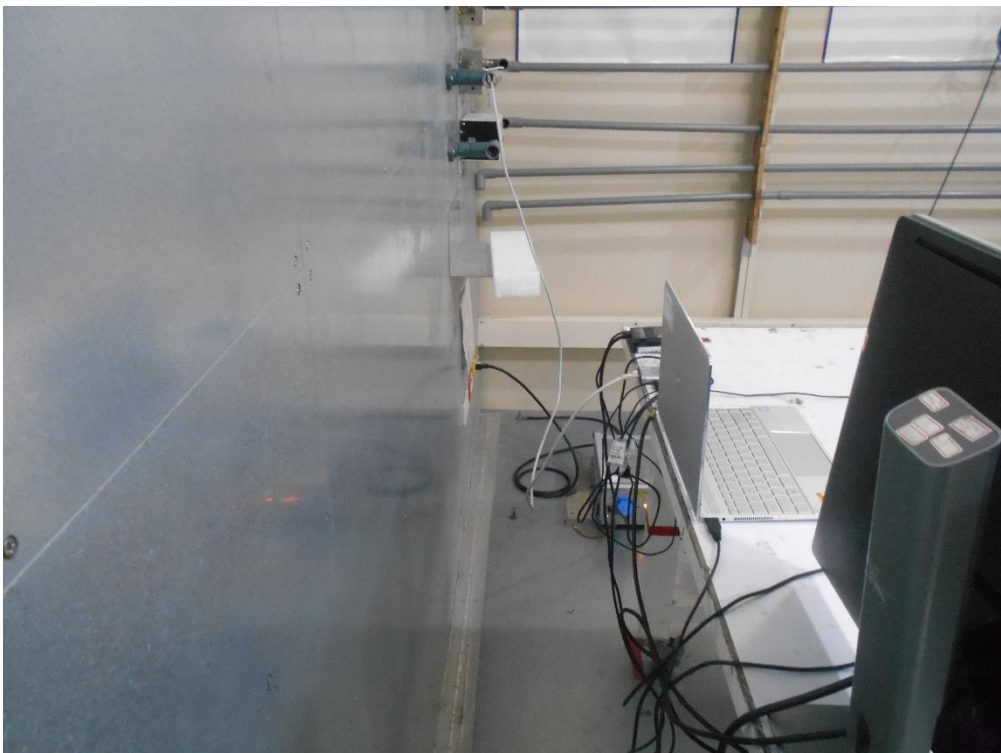
No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Margin dB	Antenna Height cm	Table Degree	Comment
1	1485.000	63.00	-19.83	43.17	74.00	-30.83	peak	100	169
2 *	1485.000	60.28	-19.83	40.45	54.00	-13.55	AVG	100	169
3	1655.000	63.14	-19.27	43.87	74.00	-30.13	peak	100	196
4	1655.000	42.26	-19.27	22.99	54.00	-31.01	AVG	100	196
5	1860.000	69.51	-18.61	50.90	74.00	-23.10	peak	100	14
6	1860.000	44.82	-18.61	26.21	54.00	-27.79	AVG	100	14
7	2080.000	59.22	-17.82	41.40	74.00	-32.60	peak	100	122
8	2080.000	42.36	-17.82	24.54	54.00	-29.46	AVG	100	122
9	2220.000	58.18	-17.25	40.93	74.00	-33.07	peak	100	236
10	2220.000	41.15	-17.25	23.90	54.00	-30.10	AVG	100	236
11	2795.000	63.19	-14.98	48.21	74.00	-25.79	peak	100	0
12	2795.000	42.26	-14.98	27.28	54.00	-26.72	AVG	100	0

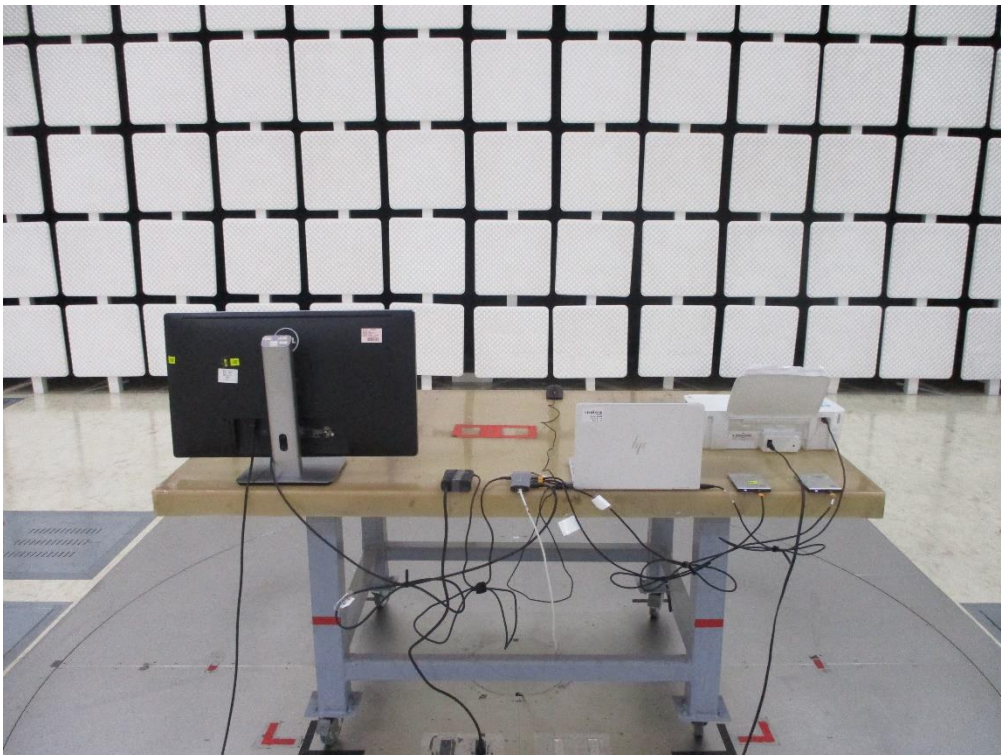
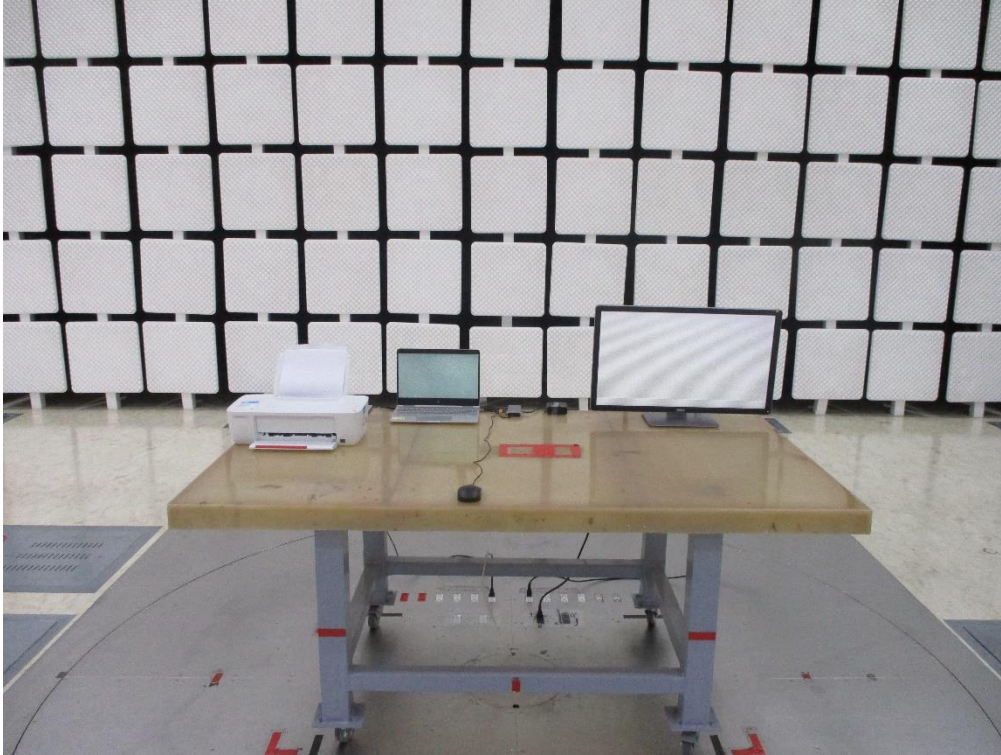
REMARKS:

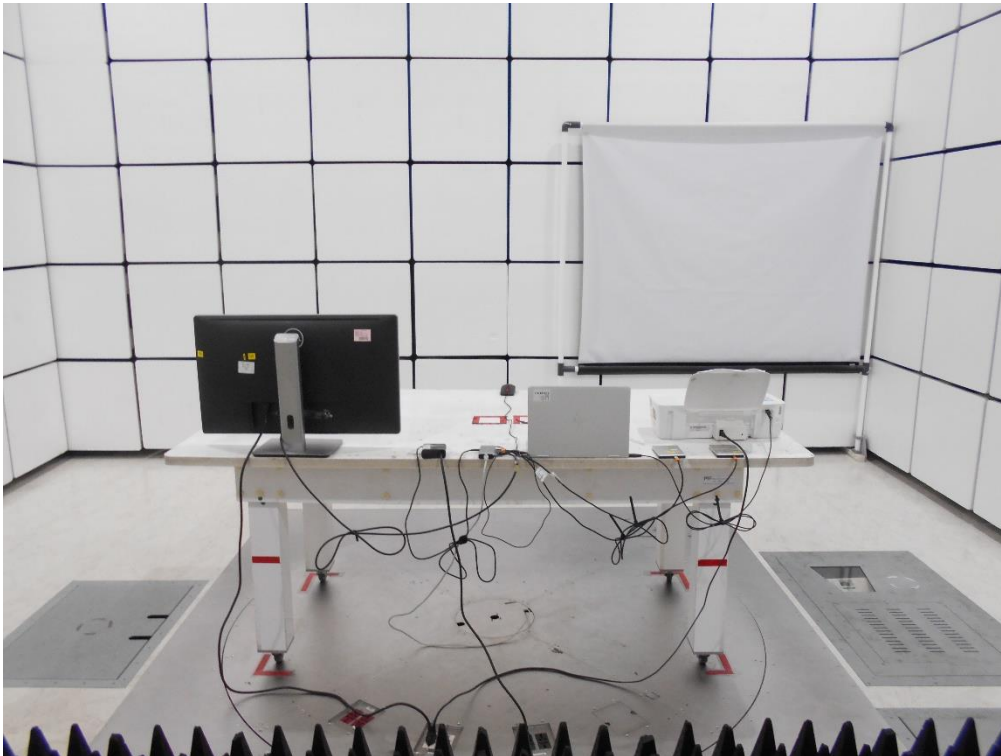
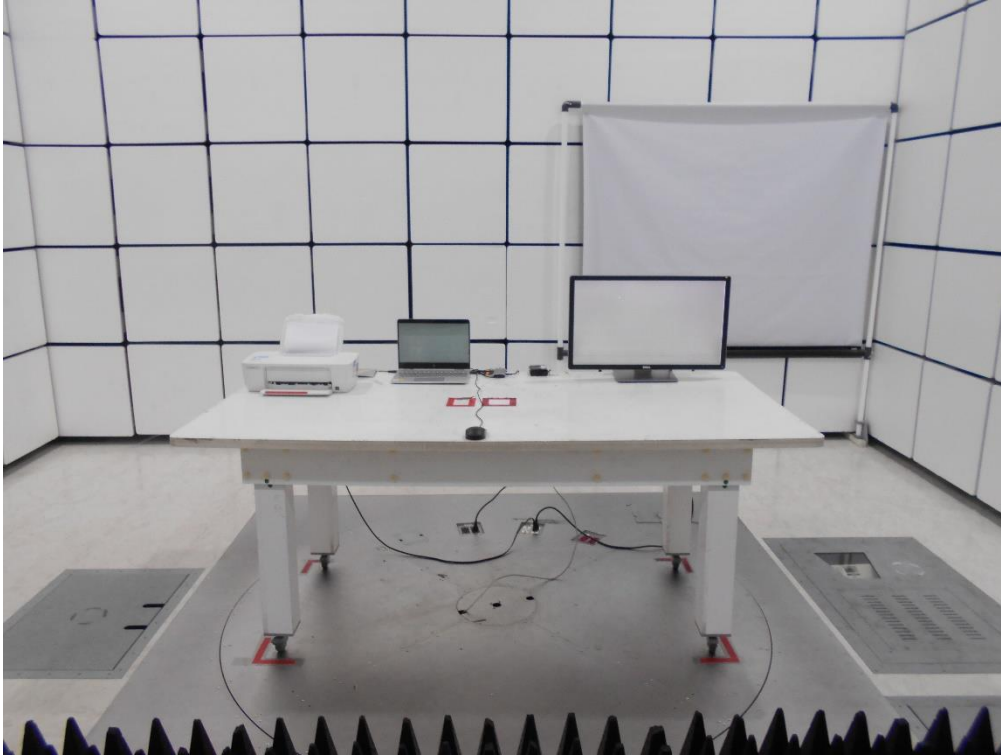
- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

4 TEST PHOTOS

AC power line conducted emissions test photos



Radiated emissions below 1 GHz test photos

Radiated emissions above 1 GHz test photos

5 EUT PHOTOS

Please refer to document Appendix No.: EP-2112T111-1 (APPENDIX-EUT PHOTOS).

End of Test Report