FCC Test Report

Product Name	:	WCDMA/LTE/5G Mobile Phone
Model No.	:	EA211001,EC211001,EC211004
FCC ID	:	RYQEA211001

Applicant	:	FIH CO., LTD.
Address	:	No.4, Minsheng St., Tu-Cheng Dist., New Taipei City 23679, Taiwan

Date of Receipt	:	2021/05/13
Issued Date	:	2021/07/14
Report No.	:	2150419R-E3012110001
Report Version	:	V3.0

Testing Laboratory
3023

Test Report

Issued Date: 2021/07/14
Report No : 2150419R-E3012110001

Product Name	:	WCDMA/LTE/5G Mobile Phone
Applicant	:	FIH CO., LTD.
Address	:	No.4, Minsheng St., Tu-Cheng Dist., New Taipei City 23679, Taiwan
Manufacturer	:	FIH CO., LTD.
Model No.	:	EA211001,EC211001,EC211004
EUT Rated Voltage	:	5Vdc, 2.0A or 9Vdc, 2.0A or 12Vdc, 1.5A
EUT Test Voltage	:	AC 120 V / 60 Hz
Trade Name	:	FIH
Applicable Standard	:	FCC CFR Title 47 Part 15 Subpart B: 2020, Class B
Test Result	:	Complied
Performed Location	:	DEKRA Testing and Certification Co., Ltd. Linkou Laboratory No. 5-22, Ruishukeng Linkou District, New Taipei City, 24451, Taiwan TEL:+866-2-8601-3788 / FAX:+886-2-8601-3789

Documented By : Peggy Tu

(Adm. Specialist / Peggy Tu)

Reviewed By : Sampras yen

(Engineer / Sampras Yen)

Approved By :

(Director / Vincent Lin)

Laboratory Information

We, **DEKRA Testing and Certification Co., Ltd.**, are an independent EMC and safety consultancy that was established the whole facility in our laboratories. The test facility has been accredited/accepted (audited or listed) by the following related bodies in compliance with ISO 17025, EN 45001 and specified testing scopes:

USA	**:**	**FCC**
USA	**:**	**FCC Registration Number: TW1014**

Site Description: Accredited by TAF
Accredited Number: 3023

The address and introduction of DEKRA Testing and Certification Co., Ltd. laboratories can be founded in our Web site : http://www.dekra.com.tw

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Revision History

Report No.	Version	Description	Issued Date
2150419R-E3012110001	V1.0	Initial issue of report.	2021-05-21
2150419R-E3012110001	V2.0	Delete test photo	2021-06-23
2150419R-E3012110001	V3.0	adding the pretest mode.	2021-07-14

1. General Information

1.1. EUT Description

Product Name	WCDMA/LTE/5G Mobile Phone
Trade Name	FIH
Model No.	EA211001,EC211001,EC211004
EUT Max Frequency	2.2GHz

Component	
USB to Type C Cable	Shielded, 1 m
Power Adapter	MFR: Jiangsu Chenyang Electron Co., Ltd., M/N: CK18W02U Input: 100-240V, 50-60Hz, 0.5A Output: 5V⎓3A or 9V⎓2A or 12V⎓1.5A

Note: The EUT is including series models for different marketing requirement.

1.2. Mode of Operation

DEKRA has verified the construction and function in typical operation. All the test modes were carried out with the EUT in normal operation, which was shown in this test report and defined as:

Pre-Test Mode	
Mode 1: WiFi + BT + NFC + GPS + WWAN + H Patten + adapter Mode 2: WiFi + BT + NFC + GPS + WWAN + FM + adapter Mode 3: WiFi + BT + NFC + GPS + WWAN + CCD(Front camera) Recording + adapter Mode 4: WiFi + BT + NFC + GPS + WWAN + CCD(Rear camera) Recording + adapter Mode 5: WiFi + BT + NFC + GPS + WWAN + H Patten + micro SD + ROM + PC Mode 6: WiFi + BT + NFC + GPS + WWAN + H Patten + WPC	
Final Test Mode	
Emission	Mode 3: WiFi + BT + NFC + GPS + WWAN + CCD(Front camera) Recording + adapter Mode 5: WiFi + BT + NFC + GPS + WWAN + H Patten + micro SD + ROM + PC

1.3. Tested System Details

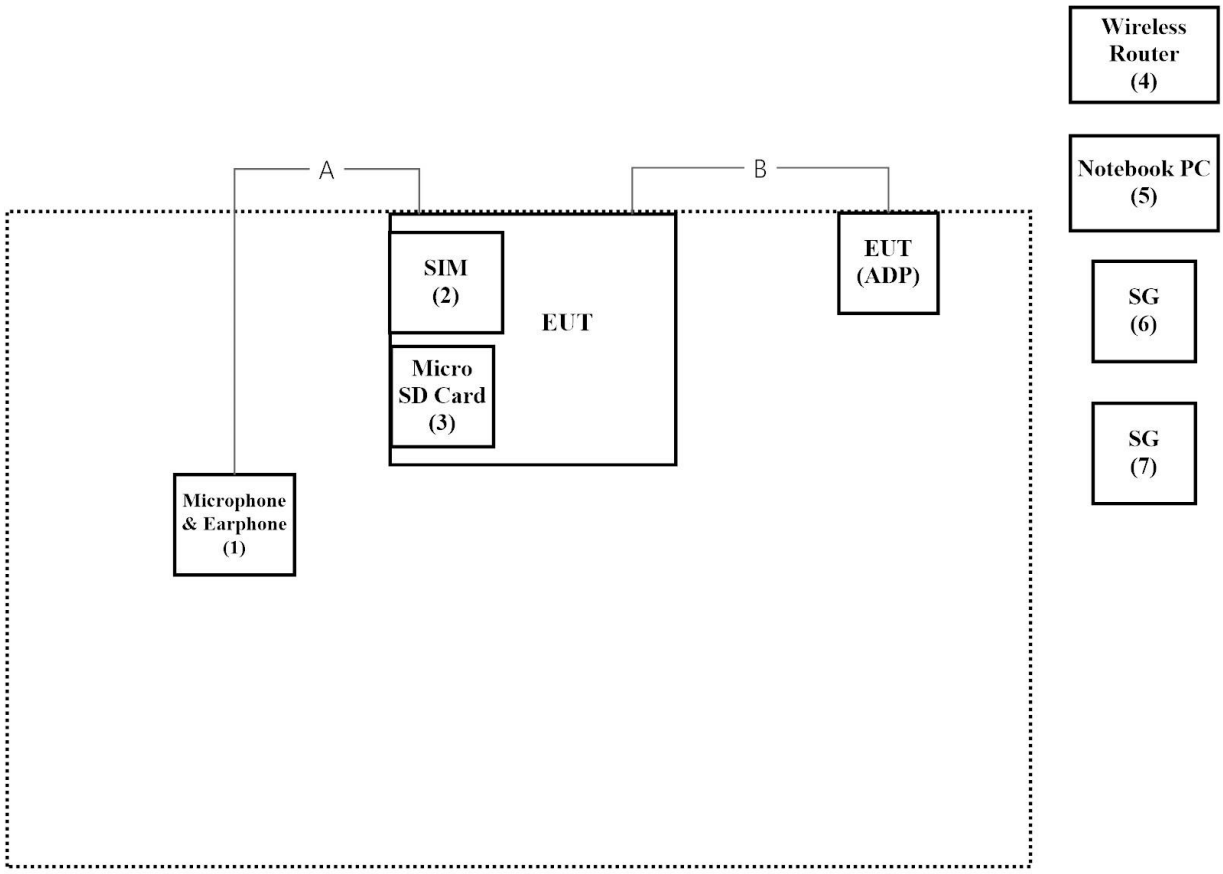
The types for all equipments, plus descriptions of all cables used in the tested system (including inserted cards) are:

Test Mode		Mode 3			
Product		Manufacturer	Model No.	Serial No.	Power Cord
1	Microphone & Earphone	RONEVER	MOE240	N/A	N/A
2	SIM	R&S	GP CMW-Z06	N/A	N/A
3	Micro SD Card	SanDisk	SanDisk Extreme PRO microSDXC UHS-II	N/A	N/A
4	Wireless Router	TP-LINK	TL-WR1043ND	13463900130	Non-Shielded, 1.8m
5	Notebook PC	DELL	Latitude 5580	2HRD7H2	Non-Shielded, 1.8m
6	SG	Pendulum	GSG-5 GLO PENDULUM	N/A	Non-Shielded, 1.8m
7	SG	R&S	CMW500	N/A	Non-Shielded, 1.8m

Test Mode		Mode 5			
Product		Manufacturer	Model No.	Serial No.	Power Cord
1	Microphone & Earphone	RONEVER	MOE240	N/A	N/A
2	SIM	R&S	GP CMW-Z06	N/A	N/A
3	Micro SD Card	SanDisk	SanDisk Extreme PRO microSDXC UHS-II	N/A	N/A
4	Wireless Router	TP-LINK	TL-WR1043ND	13463900130	Non-Shielded, 1.8m
5	Notebook PC	DELL	Latitude 5580	2HRD7H2	Non-Shielded, 1.8m
	Notebook PC (Radiated Emission)	Lenovo	20RY-S0F300	PF-25918Q	Non-Shielded, 1m
6	SG	Pendulum	GSG-5 GLO PENDULUM	N/A	Non-Shielded, 1.8m
7	SG	R&S	CMW500	N/A	Non-Shielded, 1.8m
8	USB Mouse	Microsoft	1113	N/A	N/A

1.4. Configuration of Tested System

Test Mode	Mode 3
Connection Diagram	



Signal Cable Type		Signal cable Description
A	Microphone & Earphone Cable	Non-Shielded, 1.2m
B	USB to Type C Cable	Shielded, 1m

Note:

☒Use Full system setup configuration determines Worst-Case Mode.

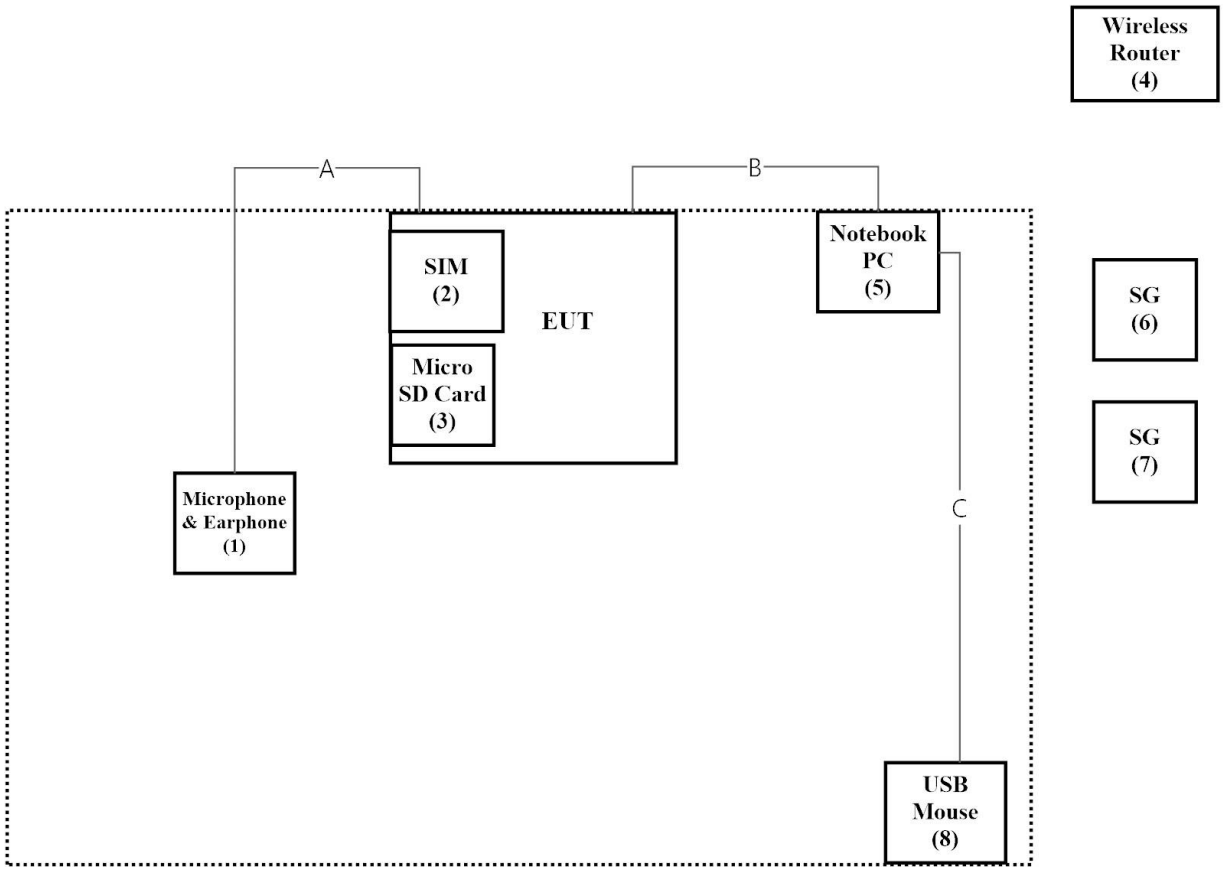
☐Use 2dB law program determines Max. Cable Configuration and Worst-Case Mode.

☒Radiated emission item test: Performed using the Horn Antenna 3dB Beamwidth to 3m from the EUT size sufficient to cover the procedure.

☒Radiated emission item test: Performed using the Horn Antenna 3dB Beamwidth non 3m distance sufficient to cover the size of the EUT program.

Test Mode	Mode 5

Connection Diagram



Signal Cable Type		Signal cable Description
A	Microphone & Earphone Cable	Non-Shielded, 1.2m
B	USB to Type C Cable	Shielded, 1m
C	USB Mouse Cable	Shielded, 1.8m, with one ferrite core bonded.

Note:

☒Use Full system setup configuration determines Worst-Case Mode.

☐Use 2dB law program determines Max. Cable Configuration and Worst-Case Mode.

☒Radiated emission item test: Performed using the Horn Antenna 3dB Beamwidth to 3m from the EUT size sufficient to cover the procedure.

☒Radiated emission item test: Performed using the Horn Antenna 3dB Beamwidth non 3m distance sufficient to cover the size of the EUT program.

1.5. EUT Exercise Software

1	Setup the EUT and simulators as shown on 1.4.
2	Turn on the power of all equipment.
3	All the features of the EUT operation normally.

2. Technical Test

2.1. Summary of Test Result

☒ No deviations from the test standards

☐ Deviations from the test standards as below description:

Emission			
Performed Item	Normative References	Test Performed	Deviation
Conducted Emission	FCC CFR Title 47 Part 15 Subpart B: 2020, Class B CISPR 22: 2008 , ANSI C63.4: 2014	Yes	No
Radiated Emission	FCC CFR Title 47 Part 15 Subpart B: 2020, Class B CISPR 22: 2008 , ANSI C63.4: 2014	Yes	No

Note: Test Site Validation was carried out according to ANSI C63.4a: 2017.

2.2. List of Test Equipment

Conducted Emission / SR1

Instrument	Manufacturer	Type No.	Serial No	Cal. Date
EMI Test Receiver	R&S	ESR3	102473	2020/08/07
LISN	R&S	ENV216	100085	2021/04/22
LISN	R&S	ESH3-Z5	836679/023	2021/04/22
Coaxial Cable	DEKRA	RG 400	LC016-RG	2020/06/19

Note: Test Receiver Detector: Quasipeak and Average Bandwidth: 9kHz

Radiated Emission / AC1

Instrument	Manufacturer	Type No.	Serial No	Cal. Date
Broadband Antenna	Schwarzbeck	VULB 9168	1124	2020/06/02
Broadband Antenna	Schwarzbeck	VULB 9168	1126	2020/06/02
EMI Test Receiver	R&S	ESR7	102254	2021/01/22
EMI Test Receiver	R&S	ESR7	102255	2021/02/26
Coaxial Cable	SUHNER	SUCOFLEX 106	AC043-SF ~ AC052SF	2020/07/14
Pre-Amplifier	SGH	EM330	20200921-2	2020/10/05
Pre-Amplifier	SGH	EM330	20200921-4	2020/10/05
AC1 NSA	DEKRA	N/A	N/A	2020/09/12

Note: Test Receiver Detector: Quasipeak Bandwidth: 120kHz

Radiated Emission / CB7

Instrument	Manufacturer	Type No.	Serial No	Cal. Date
EMI Test Receiver	R&S	ESU26	100433	2020/11/20
Horn Antenna	ETS-Lindgren	3117	00202723	2020/09/25
Pre-Amplifier	EMCI	EMC051845SE	980359	2020/11/11
CB7 VSWR	DEKRA	N/A	N/A	2020/06/23

2.3. Measurement Uncertainty

Conducted Emission

The measurement uncertainty is evaluated as ± 3.44 dB.

Radiated Emission

The measurement uncertainty is evaluated as ± 4.22 dB.

Radiated Emission Above 1GHz

The measurement uncertainty is evaluated as ± 5.08 dB.

2.4. Test Environment

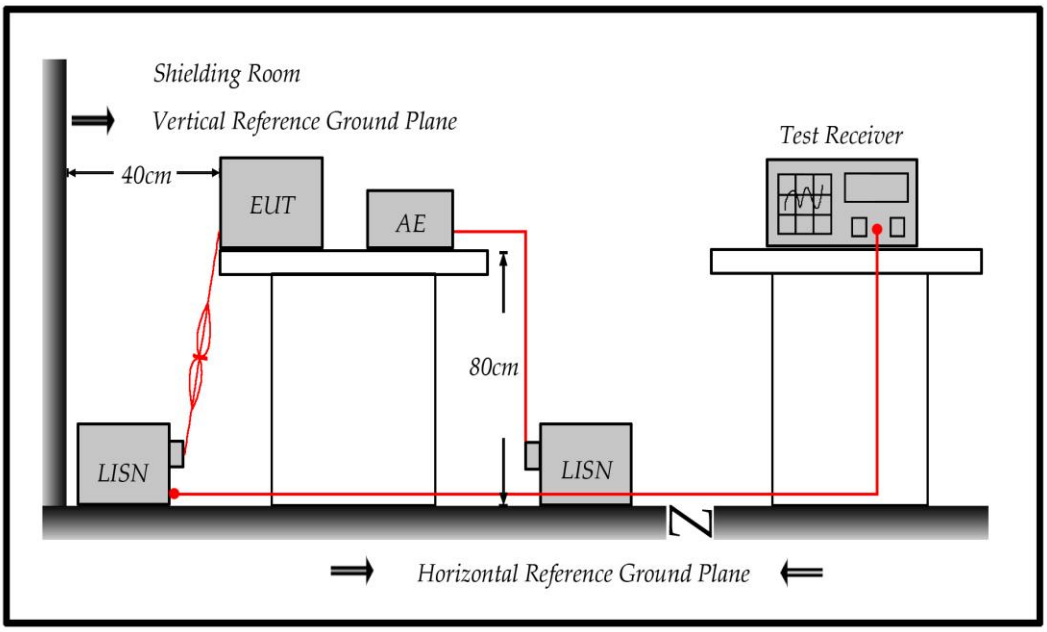
Performed Item	Items	Required
Conducted Emission	Temperature (°C)	10-40
	Humidity (%RH)	10-90
Radiated Emission	Temperature (°C)	10-40
	Humidity (%RH)	10-90

3. Conducted Emission

3.1. Test Specification

According to Standard : FCC Part 15 Subpart B, ANSI C63.4

3.2. Test Setup



3.3. Limit

Limits		
Frequency (MHz)	QP (dBμV)	AV (dBμV)
0.15 - 0.50	66 - 56	56 – 46
0.50-5.0	56	46
5.0 - 30	60	50

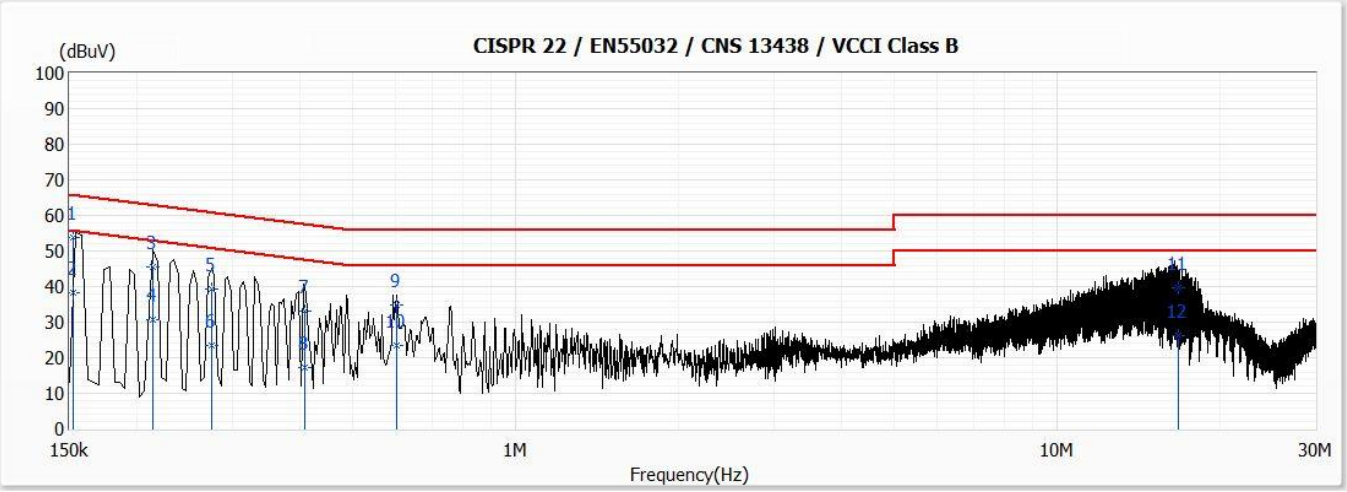
Remarks: In the above table, the tighter limit applies at the band edges.

3.4. Test Procedure

The EUT and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50 ohm /50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination.
(Please refers to the block diagram of the test setup and photographs.)
Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed on conducted measurement.
Conducted emissions were invested over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9kHz.

3.5. Test Result

Model No	EA211001,EC211001,EC211004	Site	SR1
Test Voltage	AC 120V/60Hz	Test Date	2021/5/18
Test Mode	Mode 3	Engineer	Shianyu Chiou
Phase	L1	Temperature (℃)	23.6
Test Condition	--	Humidity (%RH)	50



No	Frequency (MHz)	Emission Level (dBuV)	Limit (dBuV)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
*1	0.153	53.65	65.85	-12.20	43.85	9.80	QP
2	0.153	38.43	55.85	-17.42	28.63	9.80	AV
3	0.214	45.67	63.05	-17.38	35.88	9.79	QP
4	0.214	30.60	53.05	-22.45	20.81	9.79	AV
5	0.275	39.19	60.97	-21.78	29.40	9.79	QP
6	0.275	23.45	50.97	-27.52	13.66	9.79	AV
7	0.407	33.19	57.71	-24.52	23.40	9.79	QP
8	0.407	17.20	47.71	-30.51	7.41	9.79	AV
9	0.603	34.95	56.00	-21.05	25.15	9.80	QP
10	0.603	23.43	46.00	-22.57	13.63	9.80	AV
11	16.727	39.69	60.00	-20.31	29.49	10.20	QP
12	16.727	26.26	50.00	-23.74	16.06	10.20	AV

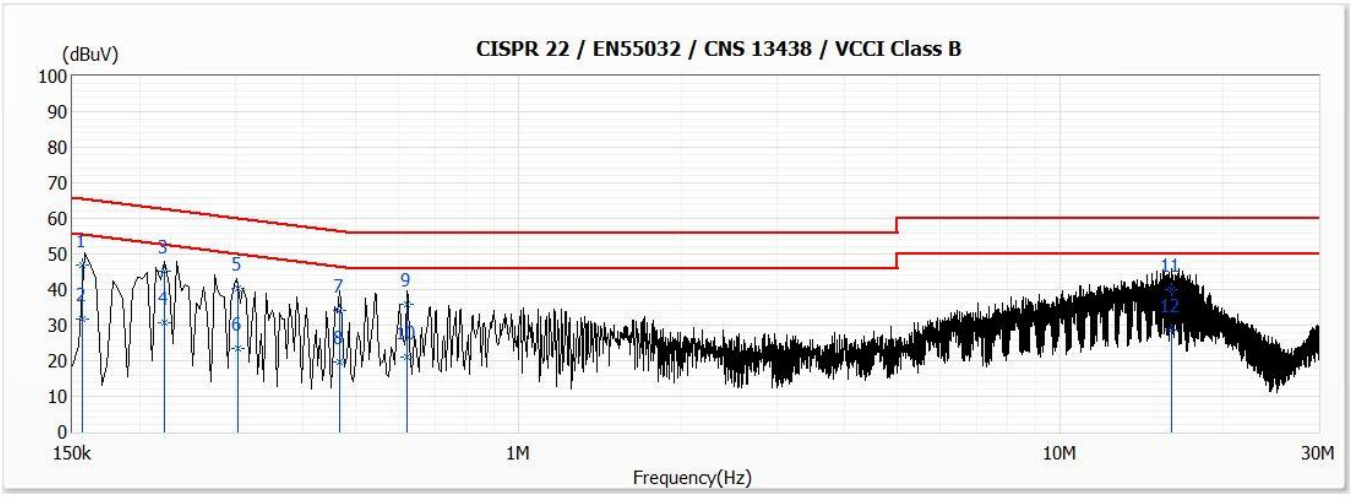
Remark:

1. "*" means this data is the worst emission level;"!" means this data is over limit.

2. Emission Level=Reading Level + Correct Factor(Correct Factor=LISN Factor+Cable Loss).

3. Margin=Emission Level-Limit.

Model No	EA211001,EC211001,EC211004	Site	SR1
Test Voltage	AC 120V/60Hz	Test Date	2021/5/18
Test Mode	Mode 3	Engineer	Shianyu Chiou
Phase	N	Temperature (°C)	23.6
Test Condition	--	Humidity (%RH)	50



No	Frequency (MHz)	Emission Level (dBuV)	Limit (dBuV)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	0.157	46.81	65.64	-18.83	37.01	9.80	QP
2	0.157	31.77	55.64	-23.87	21.97	9.80	AV
*3	0.222	45.10	62.75	-17.65	35.31	9.79	QP
4	0.222	30.60	52.75	-22.15	20.81	9.79	AV
5	0.303	40.33	60.17	-19.84	30.55	9.78	QP
6	0.303	23.50	50.17	-26.67	13.72	9.78	AV
7	0.466	34.00	56.58	-22.58	24.22	9.78	QP
8	0.466	19.79	46.58	-26.79	10.01	9.78	AV
9	0.622	35.89	56.00	-20.11	26.10	9.79	QP
10	0.622	21.19	46.00	-24.81	11.40	9.79	AV
11	16.032	40.05	60.00	-19.95	29.76	10.29	QP
12	16.032	28.56	50.00	-21.44	18.27	10.29	AV

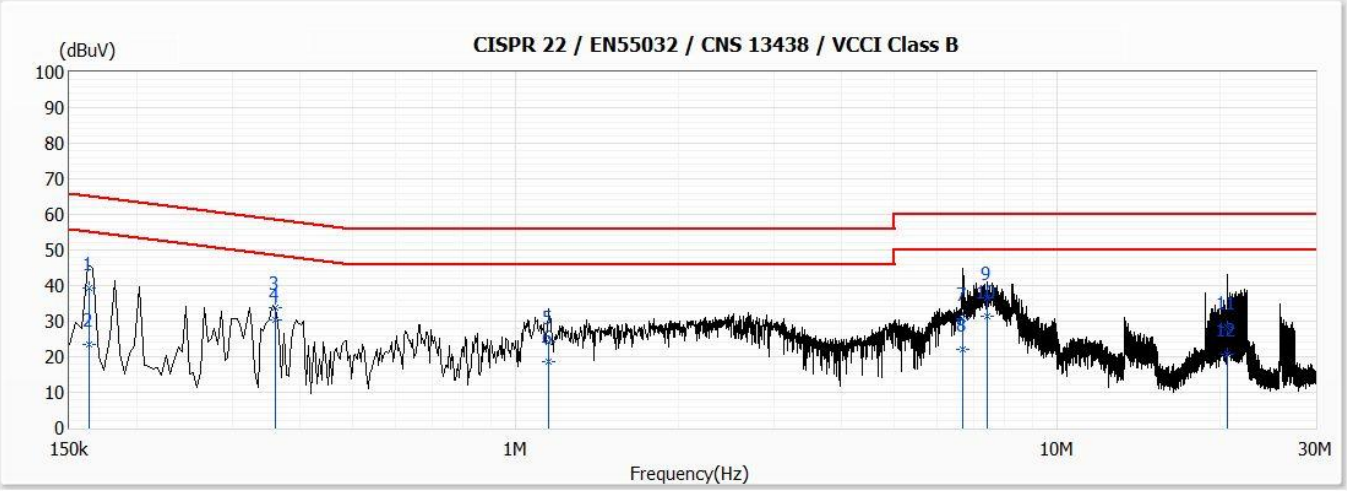
Remark:

1. "*" means this data is the worst emission level;"!" means this data is over limit.

2. Emission Level=Reading Level + Correct Factor(Correct Factor=LISN Factor+Cable Loss).

3. Margin=Emission Level-Limit.

Model No	EA211001,EC211001,EC211004	Site	SR1
Test Voltage	AC 120V/60Hz	Test Date	2021/5/18
Test Mode	Mode 5	Engineer	Shianyu Chiou
Phase	L1	Temperature (°C)	23.6
Test Condition	--	Humidity (%RH)	50



No	Frequency (MHz)	Emission Level (dBuV)	Limit (dBuV)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	0.163	39.36	65.32	-25.96	29.56	9.80	QP
2	0.163	23.55	55.32	-31.77	13.75	9.80	AV
3	0.359	33.87	58.74	-24.87	24.08	9.79	QP
*4	0.359	30.40	48.74	-18.34	20.61	9.79	AV
5	1.152	24.13	56.00	-31.87	14.30	9.83	QP
6	1.152	18.53	46.00	-27.47	8.70	9.83	AV
7	6.703	30.59	60.00	-29.41	20.60	9.99	QP
8	6.703	22.14	50.00	-27.86	12.15	9.99	AV
9	7.408	36.62	60.00	-23.38	26.62	10.00	QP
10	7.408	31.23	50.00	-18.77	21.23	10.00	AV
11	20.600	28.31	60.00	-31.69	18.04	10.27	QP
12	20.600	20.56	50.00	-29.44	10.29	10.27	AV

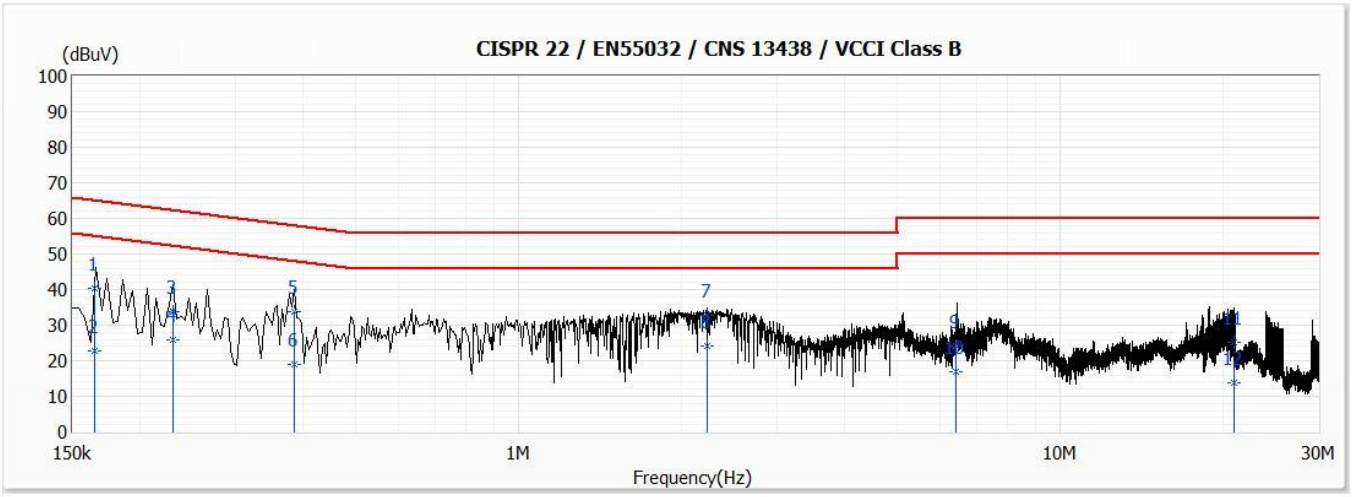
Remark:

1. "*" means this data is the worst emission level;"!" means this data is over limit.

2. Emission Level=Reading Level + Correct Factor(Correct Factor=LISN Factor+Cable Loss).

3. Margin=Emission Level-Limit.

Model No	EA211001,EC211001,EC211004	Site	SR1
Test Voltage	AC 120V/60Hz	Test Date	2021/5/18
Test Mode	Mode 5	Engineer	Shianyu Chiou
Phase	N	Temperature (°C)	23.6
Test Condition	--	Humidity (%RH)	50



No	Frequency (MHz)	Emission Level (dBuV)	Limit (dBuV)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	0.165	40.18	65.21	-25.03	30.38	9.80	QP
2	0.165	22.85	55.21	-32.36	13.05	9.80	AV
3	0.230	33.91	62.43	-28.52	24.12	9.79	QP
4	0.230	25.93	52.43	-26.50	16.14	9.79	AV
5	0.385	33.94	58.16	-24.22	24.16	9.78	QP
6	0.385	18.96	48.16	-29.20	9.18	9.78	AV
7	2.233	32.77	56.00	-23.23	22.92	9.85	QP
*8	2.233	24.20	46.00	-21.80	14.35	9.85	AV
9	6.432	24.08	60.00	-35.92	14.09	9.99	QP
10	6.432	16.90	50.00	-33.10	6.91	9.99	AV
11	20.992	25.07	60.00	-34.93	14.65	10.42	QP
12	20.992	13.87	50.00	-36.13	3.45	10.42	AV

Remark:

1. "*" means this data is the worst emission level;"!" means this data is over limit.

2. Emission Level=Reading Level + Correct Factor(Correct Factor=LISN Factor+Cable Loss).

3. Margin=Emission Level-Limit.

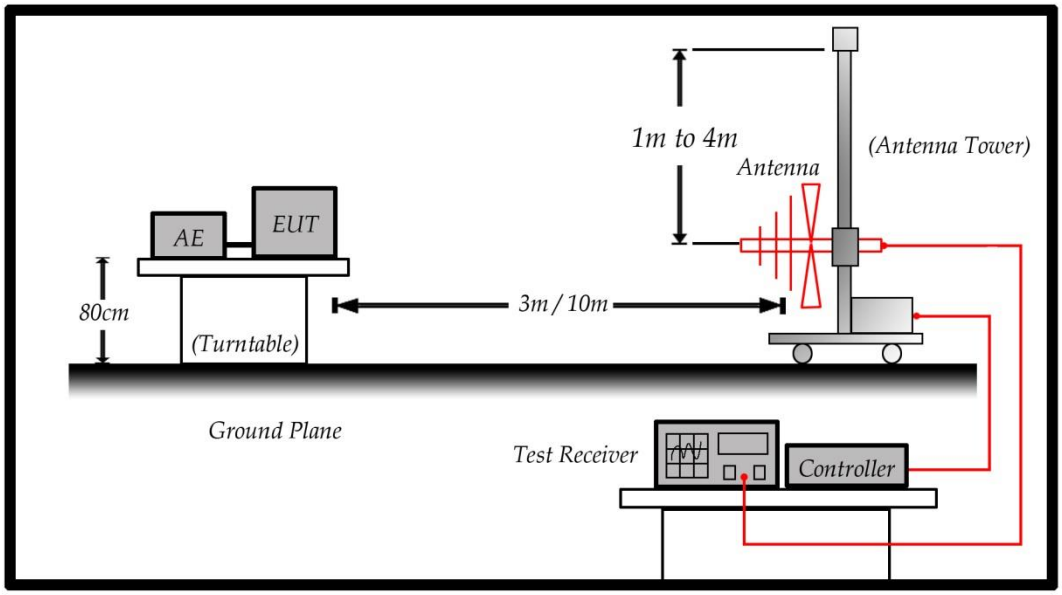
4. Radiated Emission

4.1. Test Specification

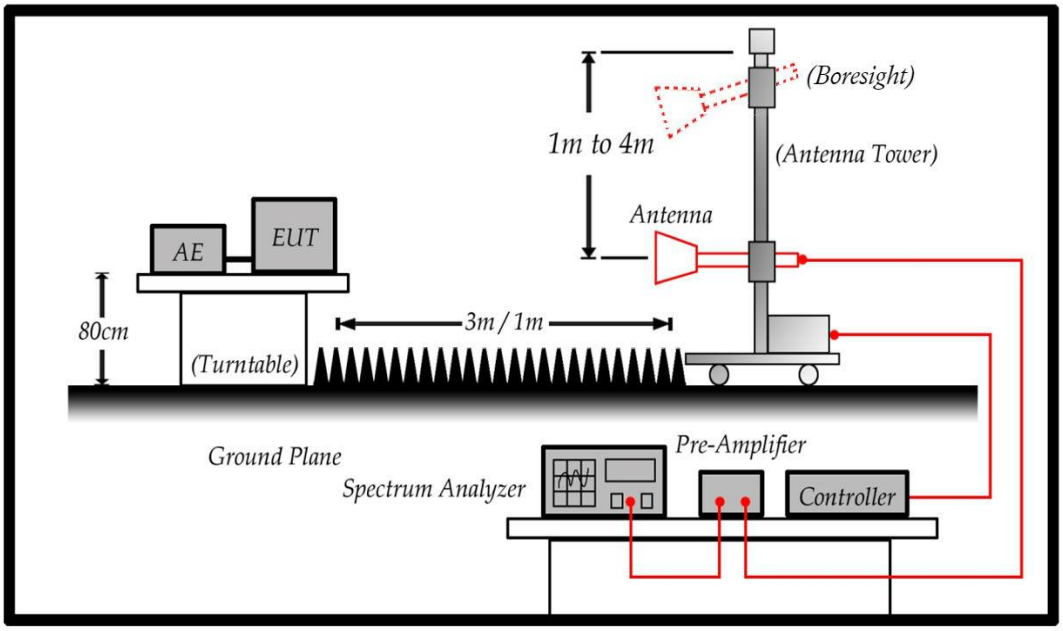
According to EMC Standard : FCC Part 15 Subpart B, ANSI C63.4

4.2. Test Setup

Under 1GHz Test Setup:



Above 1GHz Test Setup:



4.3. Limit

Under 1GHz test shall not exceed the following value:

Limits		
Frequency (MHz)	Distance (m)	dBμV/m
30 – 230	10	30
230 – 1000	10	37

Remark:

1. The tighter limit shall apply at the edge between two frequency bands.
2. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

Above 1GHz test shall not exceed the following value:

FCC Part 15 Subpart B Paragraph 15.109 Limits (dBuV/m)		
Frequency (MHz)	Distance (m)	dBuV/m
30-88	3	40
88-216	3	43.5
216-960	3	46
960-18000	3	54
Above 18000	1	63.54

Remark:

1. The tighter limit shall apply at the edge between two frequency bands.
2. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.
3. RF Voltage (dBuV/m) = 20 log RF Voltage (uV/m)

4.4. Test Procedure

The EUT and its simulators are placed on a turn table which is 0.8 meter above ground.

The turn table can rotate 360 degrees to determine the position of the maximum emission level and the antenna (boresight antenna tower) can move up and down between 1 meter and 4 meters to find out the maximum emission level.

Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated on radiated measurement.

For an unintentional radiator, including a digital device, the spectrum shall be investigated from the lowest radio frequency signal generated or used in the device, without going below the lowest frequency for which a radiated emission limit is specified, up to the frequency shown in the folowing table:

Highest frequency generated or used in the device or on which the device operates or tunes (MHz)	Upper frequency of measurement 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

On any frequency or frequencies below or equal to 1000 MHz, the radiated limits shown are based on measuring equipment employing a quasi-peak detector function and above 1000 MHz, the radiated limits shown are based measuring equipment employing an average detector function.

When average radiated emission measurement are included emission measurement Above 1000 MHz, there also is a limit on the radio frequency emissions, as measured using instrumentation with a peak detector function, corresponding to 20 dB above the maximum permitted average limit.

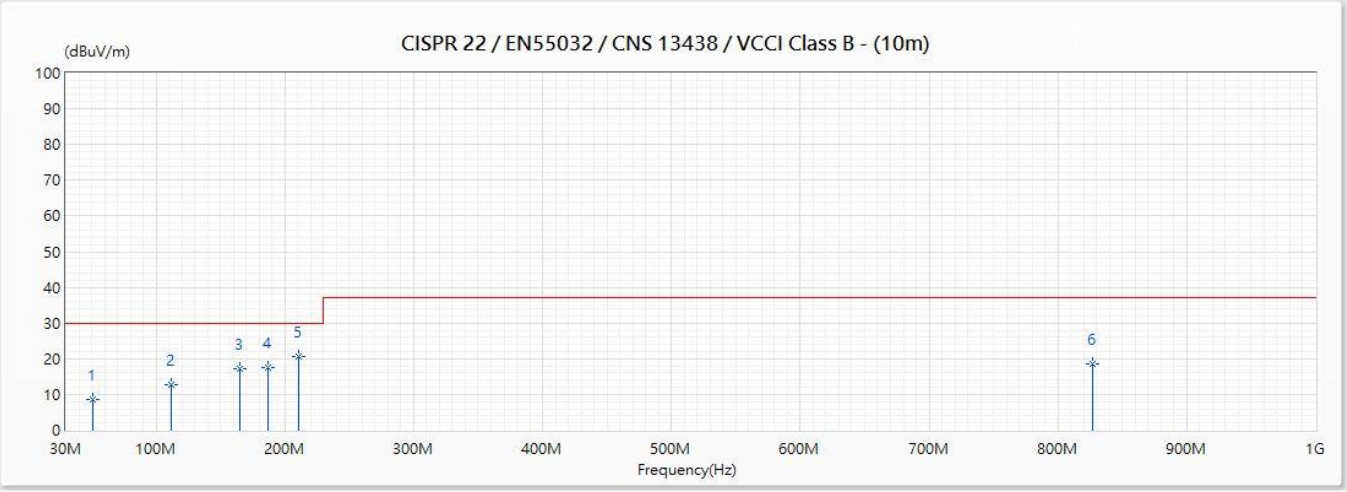
For class A, the measurement distance between the EUT and antenna is 10 meters for under 1GHz and above 1GHz.

For class B, the measurement distance between the EUT and antenna is 10 meters for under 1GHz and 3 meters for above 1GHz.

The bandwidth below 1GHz setting on the field strength meter (Test Receiver) is 120 kHz and above 1GHz is 1MHz.

4.5. Test Result

Model No	EA211001,EC211001,EC211004	Site	AC1
Test Voltage	AC 120V/60Hz	Test Date	2021/5/21
Test Mode	Mode 3	Engineer	ZhengLam Yap
Polarity	Horizontal	Temperature (℃)	23
Test Condition	--	Humidity (%RH)	60



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Ant Pos (cm)	TT Pos (deg)	Detector Type
1	51.088	8.73	30.00	-21.27	32.44	-23.71	400	60	QP
2	111.946	12.61	30.00	-17.39	38.91	-26.30	400	309	QP
3	165.456	17.27	30.00	-12.73	40.42	-23.15	400	360	QP
4	186.509	17.63	30.00	-12.37	43.03	-25.40	400	122	QP
* 5	210.976	20.59	30.00	-9.41	47.02	-26.43	400	87	QP
6	826.534	18.71	37.00	-18.29	29.01	-10.30	387	71	QP

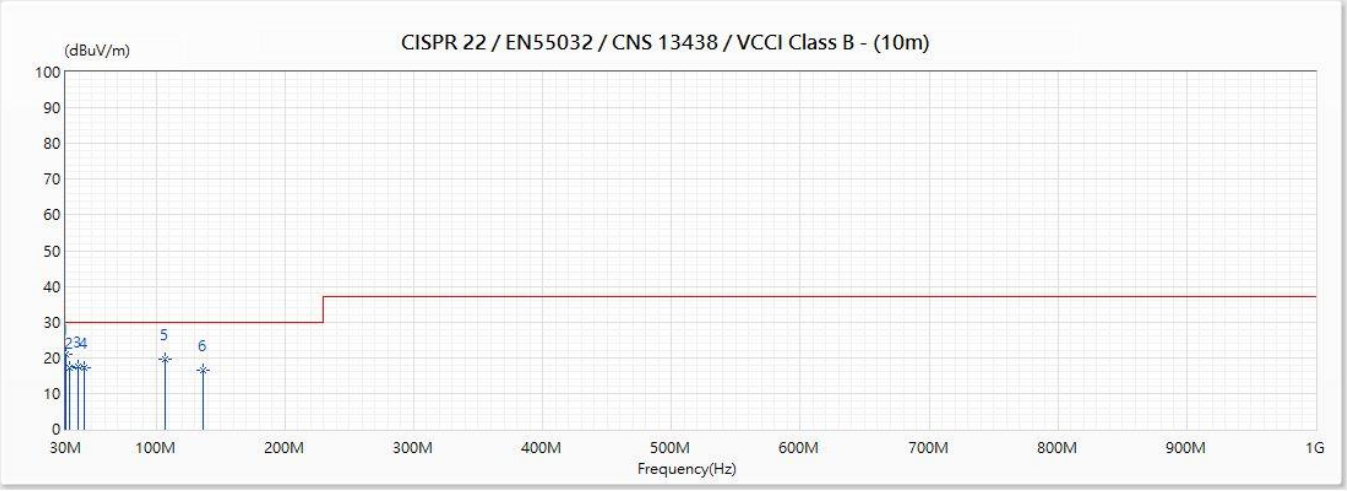
Remark:

1. "*" means this data is the worst emission level;"!" means this data is over limit.

2. Emission Level=Reading Level + Correct Factor(Correct Factor=Ant Factor+Cable Loss-Pre Amp).

3. Margin=Emission Level - Limit.

Model No	EA211001,EC211001,EC211004	Site	AC1
Test Voltage	AC 120V/60Hz	Test Date	2021/5/21
Test Mode	Mode 3	Engineer	ZhengLam Yap
Polarity	Vertical	Temperature (℃)	23
Test Condition	--	Humidity (%RH)	60



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Ant Pos (cm)	TT Pos (deg)	Detector Type
* 1	30.121	20.80	30.00	-9.20	45.80	-25.00	100	199	QP
2	32.768	17.30	30.00	-12.70	42.30	-25.00	100	77	QP
3	39.112	17.60	30.00	-12.40	41.44	-23.84	100	195	QP
4	44.674	17.26	30.00	-12.74	40.69	-23.43	400	145	QP
5	106.778	19.60	30.00	-10.40	46.42	-26.82	100	105	QP
6	136.669	16.60	30.00	-13.40	40.26	-23.66	100	211	QP

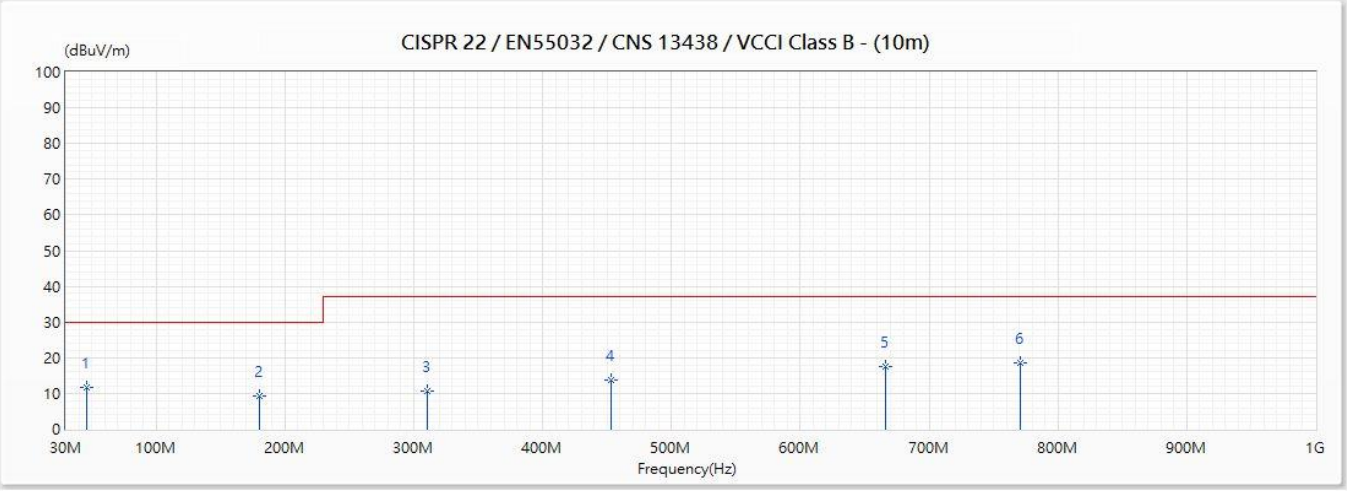
Remark:

1. "*" means this data is the worst emission level;"!" means this data is over limit.

2. Emission Level=Reading Level + Correct Factor(Correct Factor=Ant Factor+Cable Loss-Pre Amp).

3. Margin=Emission Level - Limit.

Model No	EA211001,EC211001,EC211004	Site	AC1
Test Voltage	AC 120V/60Hz	Test Date	2021/5/21
Test Mode	Mode 5	Engineer	ZhengLam Yap
Polarity	Horizontal	Temperature (℃)	23
Test Condition	--	Humidity (%RH)	59



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Ant Pos (cm)	TT Pos (deg)	Detector Type
1	45.972	11.53	30.00	-18.47	35.03	-23.50	400	4	QP
2	180.044	9.28	30.00	-20.72	33.73	-24.45	400	110	QP
3	310.177	10.50	37.00	-26.50	32.33	-21.83	200	52	QP
4	453.263	13.77	37.00	-23.23	31.15	-17.38	200	148	QP
5	666.001	17.53	37.00	-19.47	30.80	-13.27	100	88	QP
* 6	770.761	18.67	37.00	-18.33	29.76	-11.09	200	216	QP

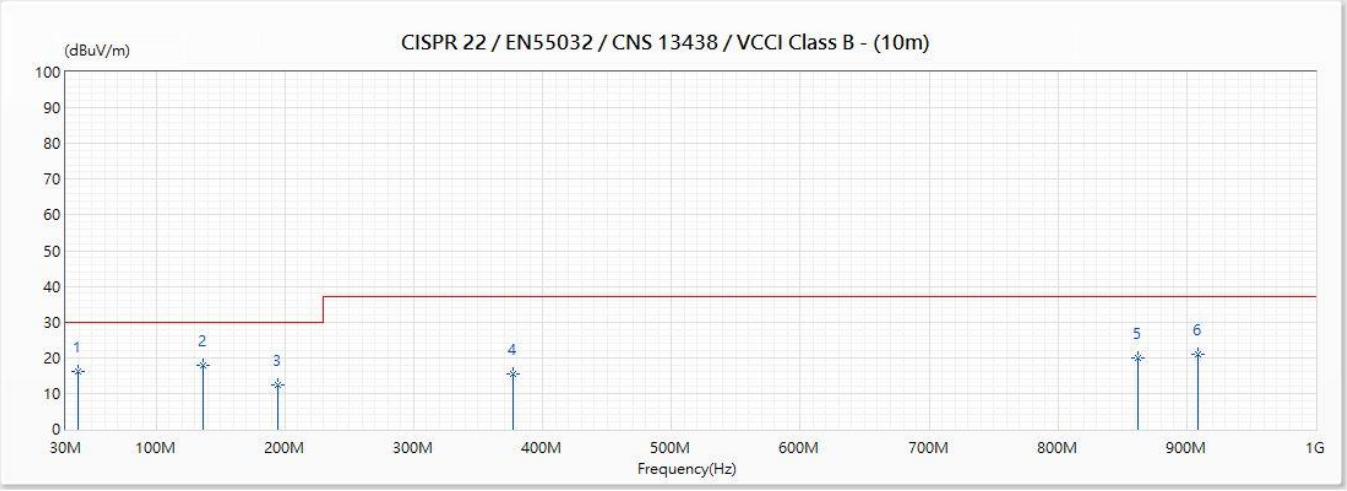
Remark:

1. "*" means this data is the worst emission level;"!" means this data is over limit.

2. Emission Level=Reading Level + Correct Factor(Correct Factor=Ant Factor+Cable Loss-Pre Amp).

3. Margin=Emission Level - Limit.

Model No	EA211001,EC211001,EC211004	Site	AC1
Test Voltage	AC 120V/60Hz	Test Date	2021/5/21
Test Mode	Mode 5	Engineer	ZhengLam Yap
Polarity	Vertical	Temperature (℃)	23
Test Condition	--	Humidity (%RH)	59



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Ant Pos (cm)	TT Pos (deg)	Detector Type
1	39.199	16.03	30.00	-13.97	39.86	-23.83	100	140	QP
* 2	136.644	17.97	30.00	-12.03	41.65	-23.68	100	267	QP
3	194.896	12.26	30.00	-17.74	38.19	-25.93	100	188	QP
4	377.571	15.34	37.00	-21.66	34.75	-19.41	100	139	QP
5	862.229	19.98	37.00	-17.02	29.21	-9.23	300	24	QP
6	908.417	20.83	37.00	-16.17	29.19	-8.36	300	14	QP

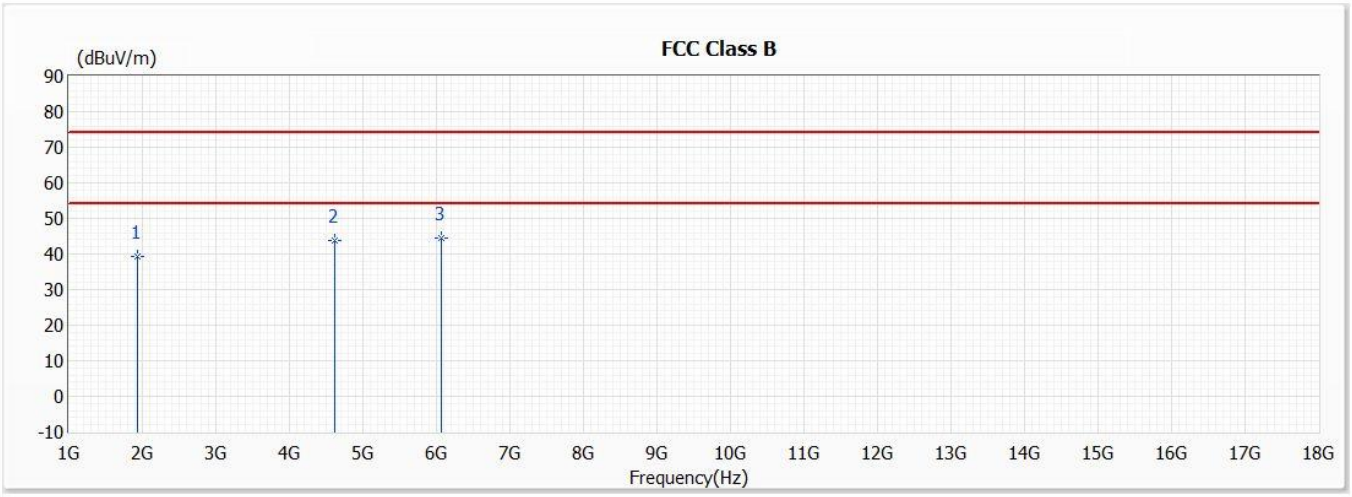
Remark:

1. "*" means this data is the worst emission level;"!" means this data is over limit.

2. Emission Level=Reading Level + Correct Factor(Correct Factor=Ant Factor+Cable Loss-Pre Amp).

3. Margin=Emission Level - Limit.

Model No	EA211001,EC211001,EC211004	Site	CB7
Test Voltage	AC 120V/60Hz	Test Date	2021/5/18
Test Mode	Mode 3	Engineer	Nilk Chen
Polarity	Horizontal	Temperature (℃)	26.2
Test Condition	--	Humidity (%RH)	61

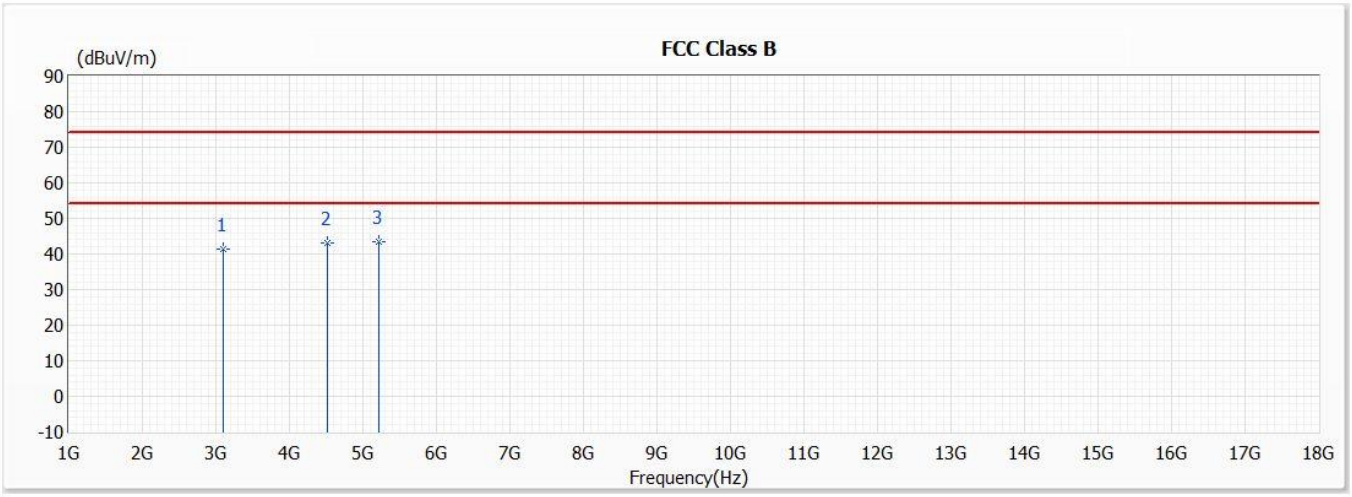


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Ant Pos (cm)	TT Pos (deg)	Detector Type
1	1935.000	39.45	74.00	-34.55	48.43	-8.98	100	-154	PK
2	4621.000	43.63	74.00	-30.37	45.13	-1.50	120	121	PK
* 3	6066.000	44.61	74.00	-29.39	43.96	0.65	100	73	PK

Remark:

1. "*" means this data is the worst emission level;"!" means this data is over limit.
2. Emission Level=Reading Level + Correct Factor (Correct Factor=Ant Factor+Cable Loss-Pre Amp).
3. Margin= Emission Level-Limit.
4. The above 1 GHz test. When PEAK measures level less than AV limit by 20 dBuV, its average is not measured separately.

Model No	EA211001,EC211001,EC211004	Site	CB7
Test Voltage	AC 120V/60Hz	Test Date	2021/5/18
Test Mode	Mode 3	Engineer	Nilk Chen
Polarity	Vertical	Temperature (℃)	26.2
Test Condition	--	Humidity (%RH)	61

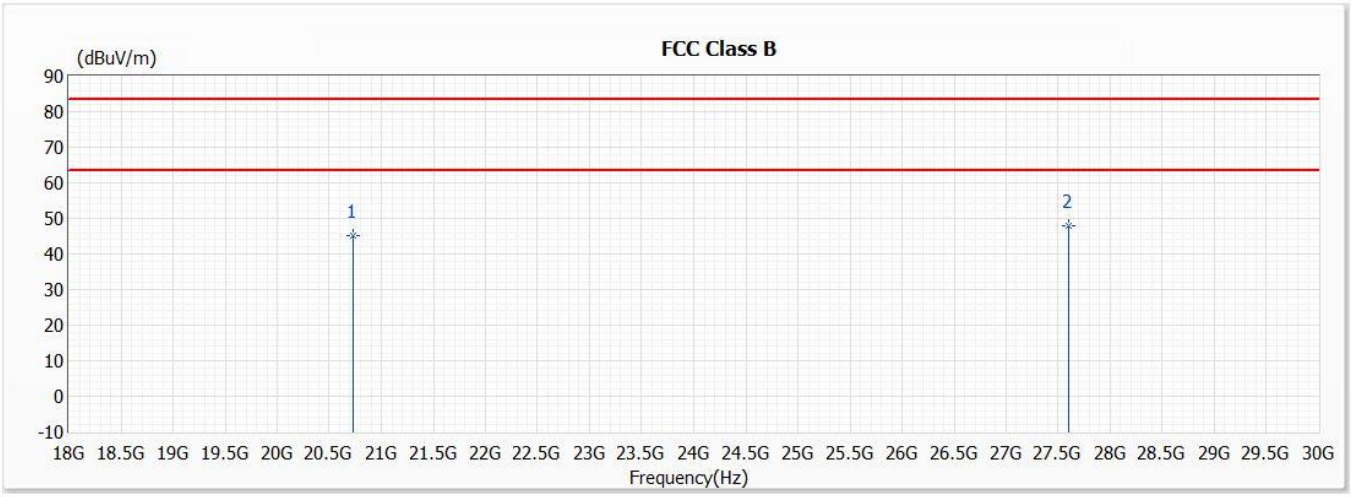


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Ant Pos (cm)	TT Pos (deg)	Detector Type
1	3108.000	41.24	74.00	-32.76	46.16	-4.92	150	-133	PK
2	4519.000	43.00	74.00	-31.00	44.83	-1.83	120	186	PK
* 3	5216.000	43.43	74.00	-30.57	44.38	-0.95	100	61	PK

Remark:

1. "*" means this data is the worst emission level;"!" means this data is over limit.
2. Emission Level=Reading Level + Correct Factor (Correct Factor=Ant Factor+Cable Loss-Pre Amp).
3. Margin= Emission Level-Limit.
4. The above 1 GHz test. When PEAK measures level less than AV limit by 20 dBuV, its average is not measured separately.

Model No	EA211001,EC211001,EC211004	Site	CB7
Test Voltage	AC 120V/60Hz	Test Date	2021/5/18
Test Mode	Mode 3	Engineer	Nilk Chen
Polarity	Horizontal	Temperature (℃)	26.2
Test Condition	--	Humidity (%RH)	61

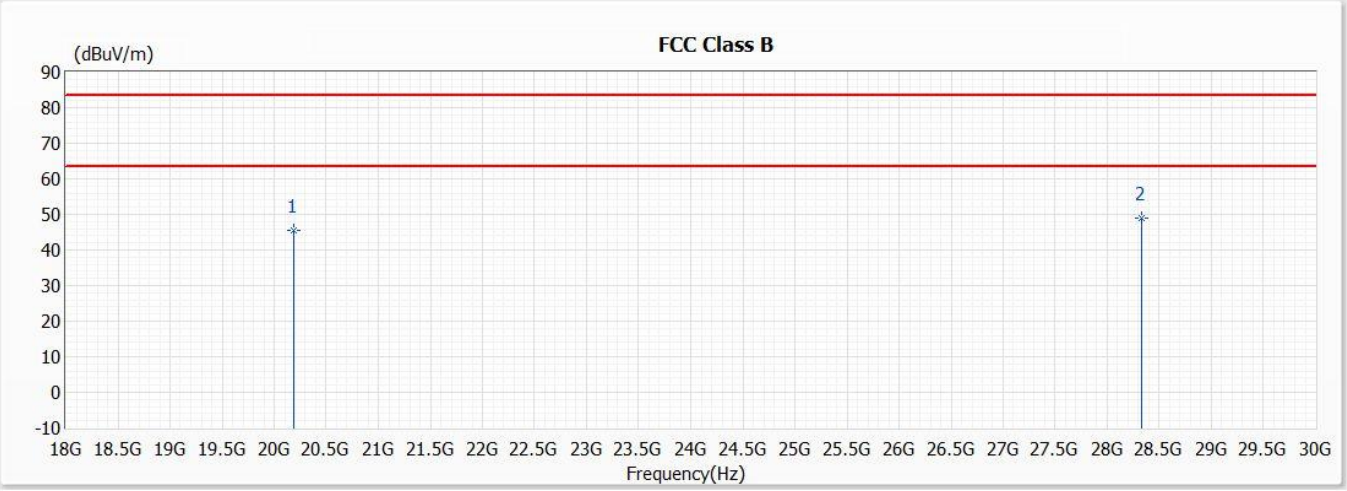


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Ant Pos (cm)	TT Pos (deg)	Detector Type
1	20735.000	45.10	83.50	-38.40	44.86	0.24	119	-114	PK
* 2	27597.000	48.10	83.50	-35.40	43.12	4.98	100	182	PK

Remark:

1. "*" means this data is the worst emission level;"!" means this data is over limit.
2. Emission Level=Reading Level + Correct Factor (Correct Factor=Ant Factor+Cable Loss-Pre Amp).
3. Margin= Emission Level-Limit.
4. The above 1 GHz test. When PEAK measures level less than AV limit by 20 dBuV, its average is not measured separately.

Model No	EA211001,EC211001,EC211004	Site	CB7
Test Voltage	AC 120V/60Hz	Test Date	2021/5/18
Test Mode	Mode 3	Engineer	Nilk Chen
Polarity	Vertical	Temperature (℃)	26.2
Test Condition	--	Humidity (%RH)	61

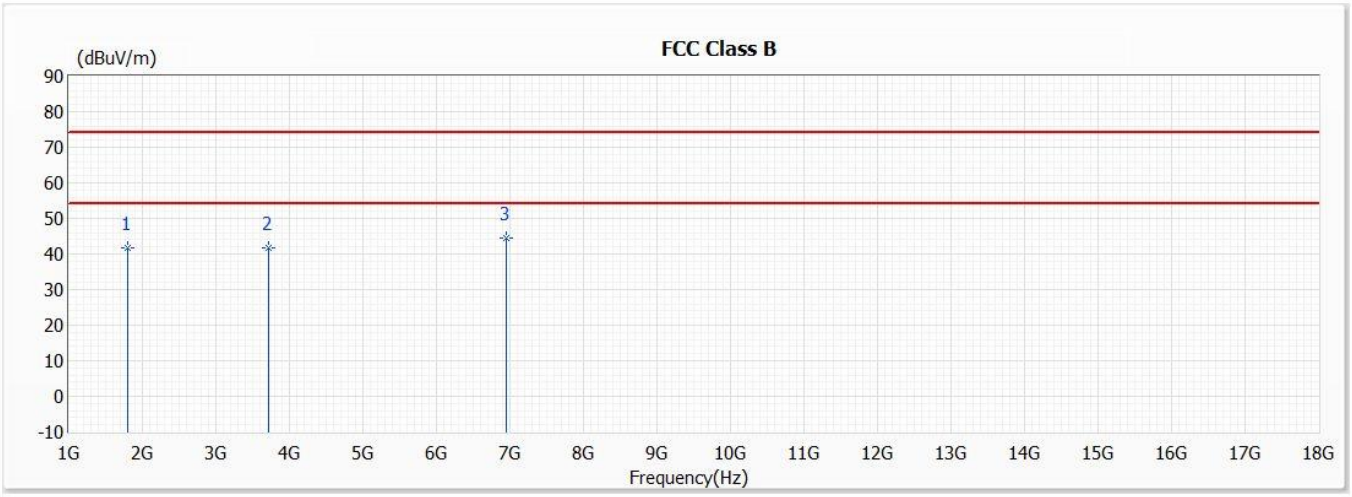


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Ant Pos (cm)	TT Pos (deg)	Detector Type
1	20194.000	45.50	83.50	-38.00	45.51	-0.01	100	164	PK
* 2	28331.000	48.90	83.50	-34.60	44.58	4.32	120	-93	PK

Remark:

1. "*" means this data is the worst emission level;"!" means this data is over limit.
2. Emission Level=Reading Level + Correct Factor (Correct Factor=Ant Factor+Cable Loss-Pre Amp).
3. Margin= Emission Level-Limit.
4. The above 1 GHz test. When PEAK measures level less than AV limit by 20 dBuV, its average is not measured separately.

Model No	EA211001,EC211001,EC211004	Site	CB7
Test Voltage	AC 120V/60Hz	Test Date	2021/5/18
Test Mode	Mode 5	Engineer	Nilk Chen
Polarity	Horizontal	Temperature (℃)	26.2
Test Condition	--	Humidity (%RH)	61

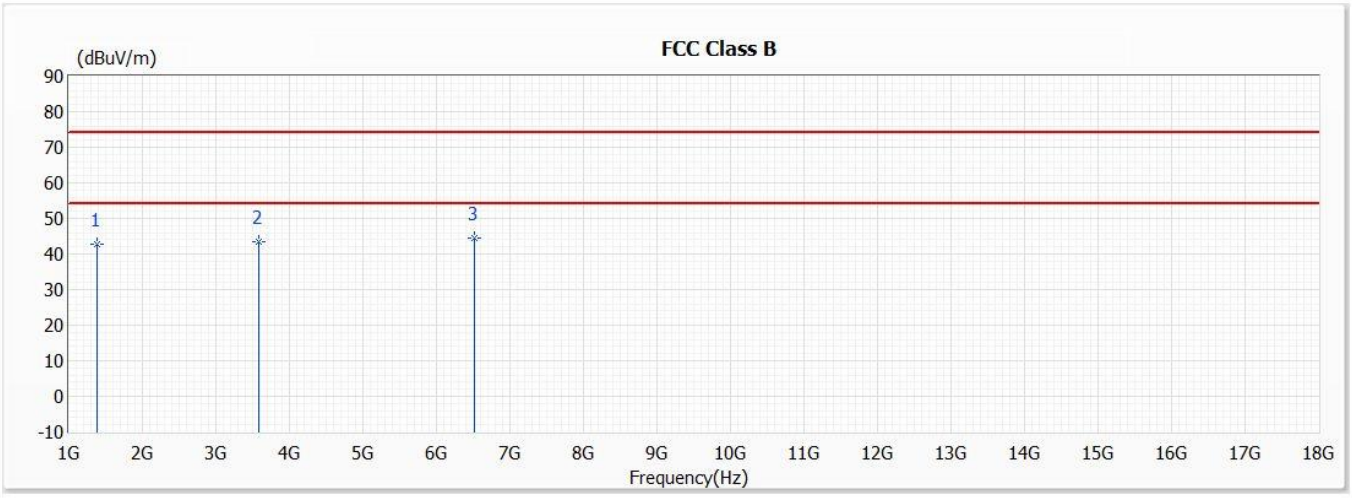


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Ant Pos (cm)	TT Pos (deg)	Detector Type
1	1799.000	41.60	74.00	-32.40	51.77	-10.17	120	-94	PK
2	3720.000	41.73	74.00	-32.27	45.41	-3.68	100	151	PK
* 3	6950.000	44.54	74.00	-29.46	43.26	1.28	150	74	PK

Remark:

1. "*" means this data is the worst emission level;"!" means this data is over limit.
2. Emission Level=Reading Level + Correct Factor (Correct Factor=Ant Factor+Cable Loss-Pre Amp).
3. Margin= Emission Level-Limit.
4. The above 1 GHz test. When PEAK measures level less than AV limit by 20 dBuV, its average is not measured separately.

Model No	EA211001,EC211001,EC211004	Site	CB7
Test Voltage	AC 120V/60Hz	Test Date	2021/5/18
Test Mode	Mode 5	Engineer	Nilk Chen
Polarity	Vertical	Temperature (℃)	26.2
Test Condition	--	Humidity (%RH)	61

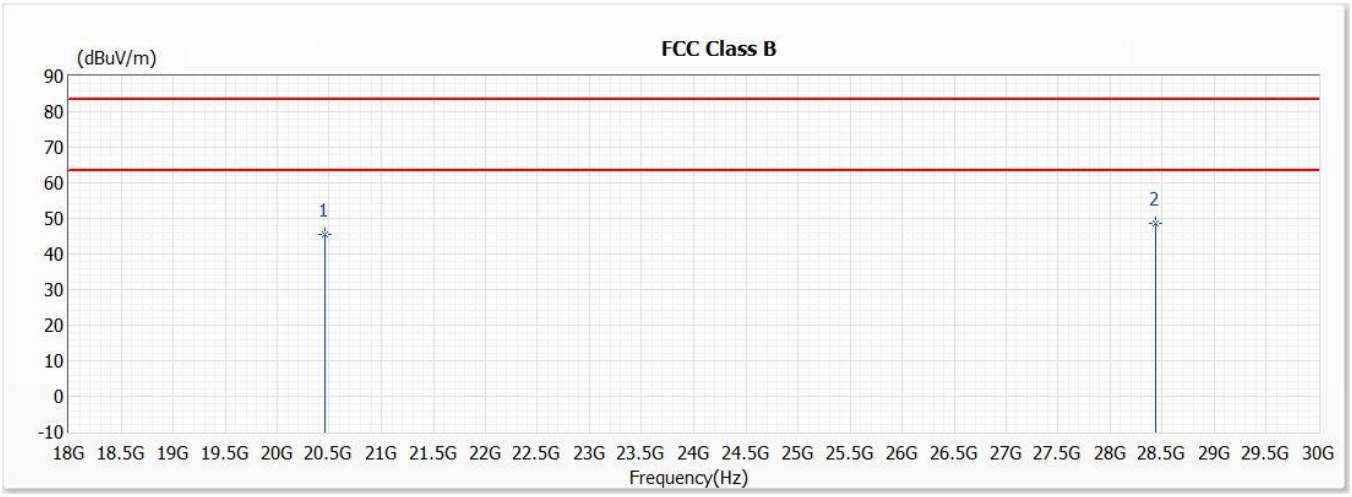


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Ant Pos (cm)	TT Pos (deg)	Detector Type
1	1391.000	42.79	74.00	-31.21	55.53	-12.74	130	-136	PK
2	3584.000	43.48	74.00	-30.52	47.90	-4.42	110	179	PK
* 3	6525.000	44.36	74.00	-29.64	43.25	1.11	100	-48	PK

Remark:

1. "*" means this data is the worst emission level;"!" means this data is over limit.
2. Emission Level=Reading Level + Correct Factor (Correct Factor=Ant Factor+Cable Loss-Pre Amp).
3. Margin= Emission Level-Limit.
4. The above 1 GHz test. When PEAK measures level less than AV limit by 20 dBuV, its average is not measured separately.

Model No	EA211001,EC211001,EC211004	Site	CB7
Test Voltage	AC 120V/60Hz	Test Date	2021/5/18
Test Mode	Mode 5	Engineer	Nilk Chen
Polarity	Horizontal	Temperature (℃)	26.2
Test Condition	--	Humidity (%RH)	61

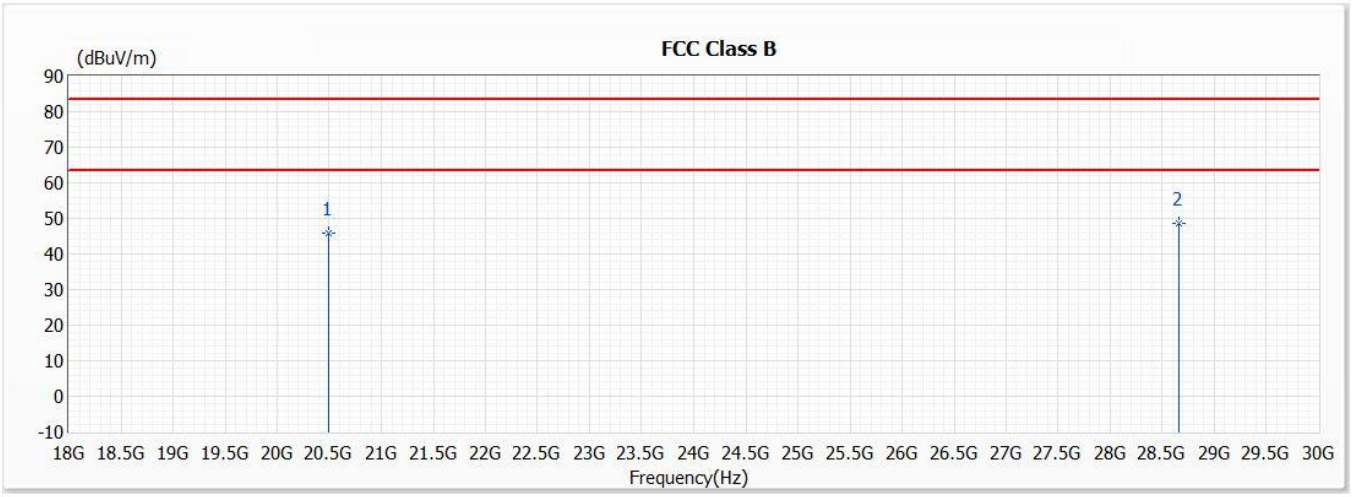


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Ant Pos (cm)	TT Pos (deg)	Detector Type
1	20457.000	45.40	83.50	-38.10	45.01	0.39	113	-134	PK
* 2	28433.000	48.60	83.50	-34.90	44.44	4.16	126	151	PK

Remark:

1. "*" means this data is the worst emission level;"!" means this data is over limit.
2. Emission Level=Reading Level + Correct Factor (Correct Factor=Ant Factor+Cable Loss-Pre Amp).
3. Margin= Emission Level-Limit.
4. The above 1 GHz test. When PEAK measures level less than AV limit by 20 dBuV, its average is not measured separately.

Model No	EA211001,EC211001,EC211004	Site	CB7
Test Voltage	AC 120V/60Hz	Test Date	2021/5/18
Test Mode	Mode 5	Engineer	Nilk Chen
Polarity	Vertical	Temperature (°C)	26.2
Test Condition	--	Humidity (%RH)	61



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Ant Pos (cm)	TT Pos (deg)	Detector Type
1	20496.000	45.70	83.50	-37.80	45.23	0.47	140	-76	PK
* 2	28663.000	48.50	83.50	-35.00	44.12	4.38	118	147	PK

Remark:

1. "*" means this data is the worst emission level;"!" means this data is over limit.
2. Emission Level=Reading Level + Correct Factor (Correct Factor=Ant Factor+Cable Loss-Pre Amp).
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4. The above 1 GHz test. When PEAK measures level less than AV limit by 20 dBuV, its average is not measured separately.