FCC Test Report

Product Name	:	WCDMA/LTE Mobile Phone
Model No.	:	EA211002, EC211002, EC211003
FCC ID	:	RYQEA211002

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

Date of Receipt	:	2021/05/30
Issued Date	:	2021/06/04
Report No.	:	2150987R-E3012110001
Report Version	:	V1.0

Testing Laboratory
3023

The test results relate only to the samples tested.
The test results shown in the test report are traceable to the national/international standard through the calibration report of the equipment and evaluated measurement uncertainty herein.
This report must not be used to claim product endorsement by TAF or any agency of the government.
The test report shall not be reproduced without the written approval of DEKRA Testing and Certification Co., Ltd.
Measurement uncertainties evaluated for each testing system and associated connections are given here to provide the system information for reference. Compliance determinations do not take into account measurement uncertainties for each testing system, but are based on the results of the compliance measurement.

Test Report

Issued Date: 2021/06/04
Report No : 2150987R-E3012110001

Product Name	:	WCDMA/LTE 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.	:	EA211002, EC211002, EC211003
EUT Rated Voltage	:	5Vdc, 2.0A
EUT Test Voltage	:	AC 120 V / 60 Hz
Trade Name	:	FIH
Applicable Standard	:	FCC CFR Title 47 Part 15 Subpart B: 2019, 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 : Rita Huang

(Senior Adm. Specialist / Rita Huang)

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:

Taiwan	**:**	**BSMI, NCC, TAF**
Norway	**:**	**DNVGL**
USA	**:**	**FCC**
Japan	**:**	**VCCI**

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
2150987R-E3012110001	V1.0	Initial issue of report.	2021-06-04

1. General Information

1.1. EUT Description

Product Name	WCDMA/LTE Mobile Phone
Trade Name	FIH
Model No.	EA211002, EC211002, EC211003
EUT Max Frequency	5.8GHz

Component	
Type C to USB Cable	Shielded, 1.0m
Microphone & Earphone Cable	Non-Shielded, 1.5m
Battery	MFR: Zhongshan Tianmao Battery Co.,Ltd., M/N: HE401
HW version	2.0
SW version	EA211002_1090U/EC211002_1090/EC211003_1090
Power Adapter	MFR: Shenzhen Baijunda Electronic Co., Ltd., M/N: UT-592A-5200ZY Input: 100-240V, 50/60Hz, 0.35A Output: 5V⎓2.0A, 10W

Note: The EUT is including three 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 + GPS + WWAN + H Patten + adapter Mode 2: WiFi + BT + GPS + WWAN +Front CCD Recording + adapter Mode 3: WiFi + BT + GPS + WWAN +Rear CCD Recording + adapter Mode 4: WiFi + BT + GPS + WWAN +Front CCD Recording + adapter Mode 5: WiFi + BT + GPS + WWAN + ROM + PC	
Final Test Mode	
Emission	Mode 3: WiFi + BT + GPS + WWAN +Rear CCD Recording + adapter Mode 5: WiFi + BT + GPS + WWAN + 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:

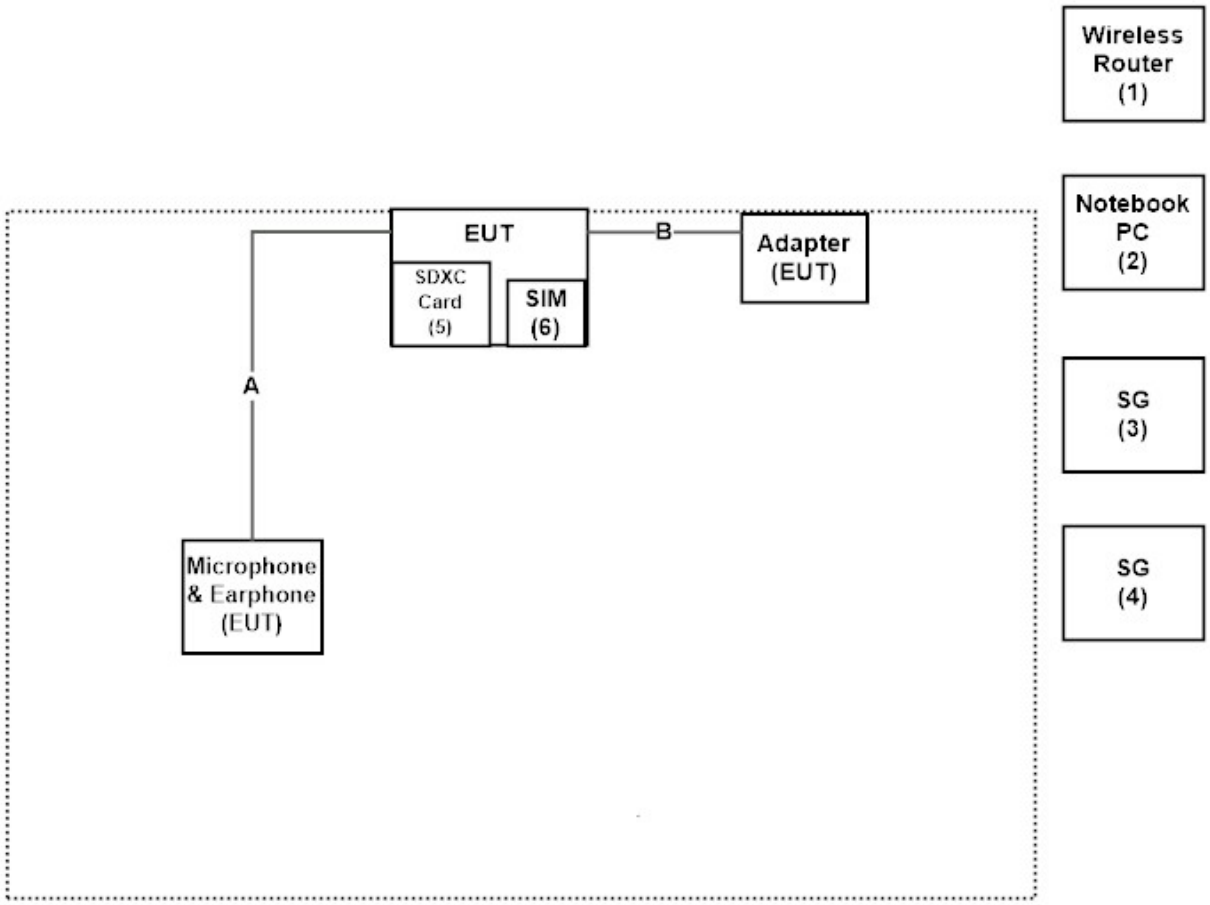
Test Mode		Mode 3			
Product		Manufacturer	Model No.	Serial No.	Power Cord
1	Wireless Router	TP-LINK	TL-WR1043ND	13463900123	Non-Shielded, 1.8m
2	Notebook PC	DELL	Latitude 5580	2HRD7H2	Non-Shielded, 0.8m
3	SG	Orolia	GSG-5 GLO PENDULUM	N/A	Non-Shielded, 1.8m
4	SG	R&S	CMW500	N/A	Non-Shielded, 1.8m
5	Micro SDXC Card 64GB	SanDisk	SanDisk Extreme microSDXC UHS-I	N/A	N/A
6	SIM	R&S	GP CMW-Z06	113706	N/A

Test Mode		Mode 5			
Product		Manufacturer	Model No.	Serial No.	Power Cord
1	Wireless Router	TP-LINK	TL-WR1043ND	13463900123	Non-Shielded, 1.8m
2	Notebook PC	DELL	Latitude 5580	2HRD7H2	Non-Shielded, 0.8m
3	SG	Orolia	GSG-5 GLO PENDULUM	N/A	Non-Shielded, 1.8m
4	SG	R&S	CMW500	N/A	Non-Shielded, 1.8m
5	Micro SDXC Card 64GB	SanDisk	SanDisk Extreme microSDXC UHS-I	N/A	N/A
6	SIM	R&S	GP CMW-Z06	113706	N/A
7	Notebook PC	DELL	Latitude 5580	GDZN7H2	Non-Shielded, 0.8m
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, 1.5m
B	Type-C to USB Cable	Shielded, 1.0m

Note:

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

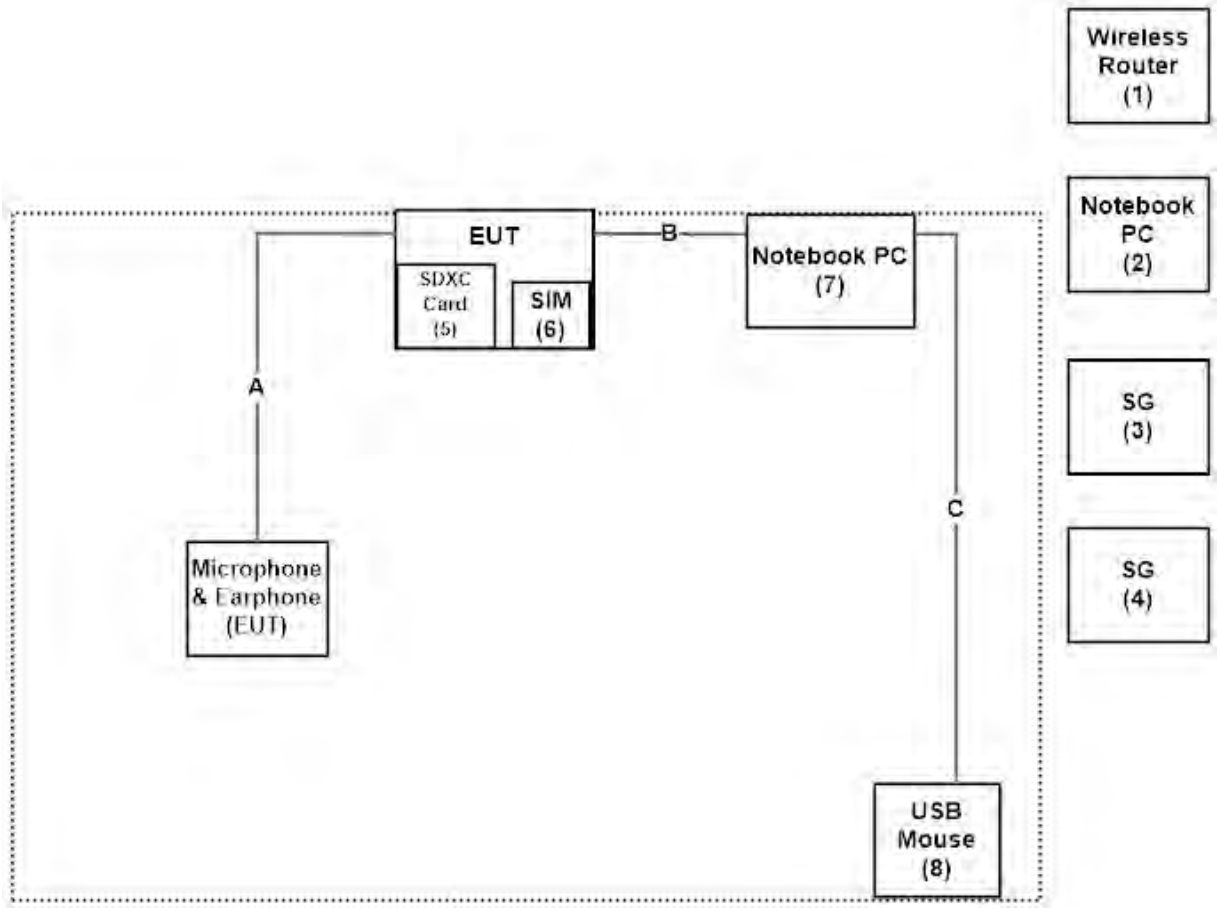
☐Use 2dB law program determines Max. Cable Configuration and Worst-Case Mode.

☒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, 1.5m
B	Type-C to USB Cable	Shielded, 1.0m
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: 2019, Class B CISPR 22: 2008 , ANSI C63.4: 2014	Yes	No
Radiated Emission	FCC CFR Title 47 Part 15 Subpart B: 2019, 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 / SR2

Instrument	Manufacturer	Type No.	Serial No	Cal. Date
EMI Test Receiver	R&S	ESR3	102472	2020/08/21
LISN	R&S	ENV216	101128	2021/01/06
LISN	R&S	ESH3-Z5	836679/014	2021/05/04
Coaxial Cable	DEKRA	RG 400	LC017-RG	2020/06/19

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

Radiated Emission / Site 5

Instrument	Manufacturer	Type No.	Serial No	Cal. Date
Broadband Antenna	Schwarzbeck	VULB 9168	0851	2021/03/15
EMI Test Receiver	R&S	ESR3	102186	2021/05/21
Coaxial Cable	DEKRA	RG 214	LC005-RG	2020/06/14
Pre-Amplifier	Jet-Power	JPA-10M1G33	170101000330012	2020/06/14
Site5 NSA	DEKRA	N/A	N/A	2020/06/14

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

USA : FCC Registration Number: TW1014

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

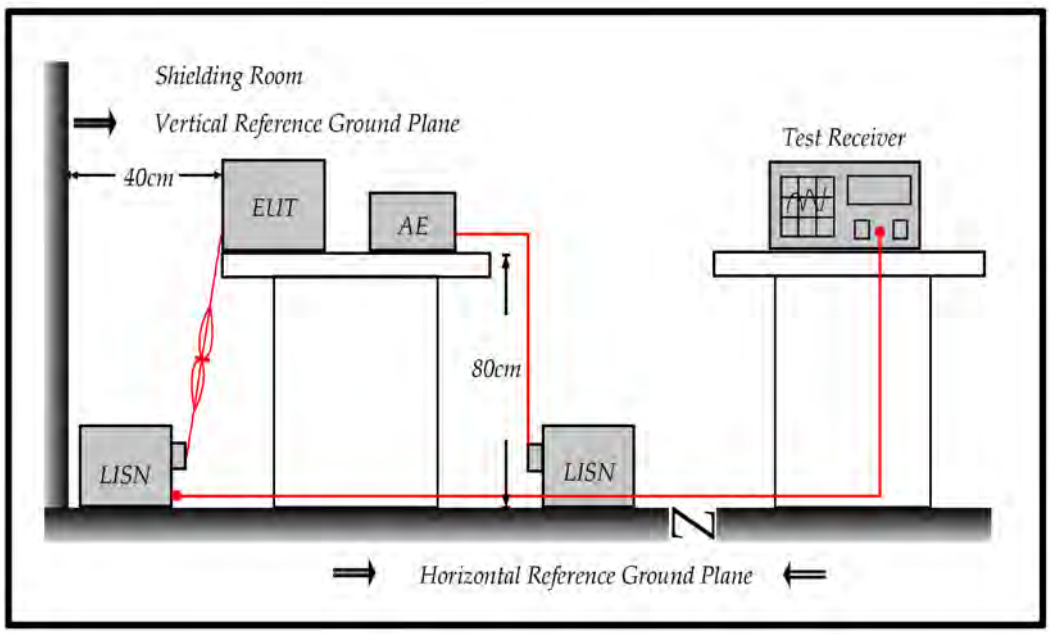
Performed Item	Items	Required
Conducted Emission	Temperature (°C)	10-40
	Humidity (%RH)	10-90
Radiated Emission	Temperature (°C)	10-40
	Humidity (%RH)	10-90

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 (dB μ V)	AV (dB μ V)
0.15 - 0.50	66 - 56	56 – 46
0.50-5.0	56	46
5.0 - 30	60	50

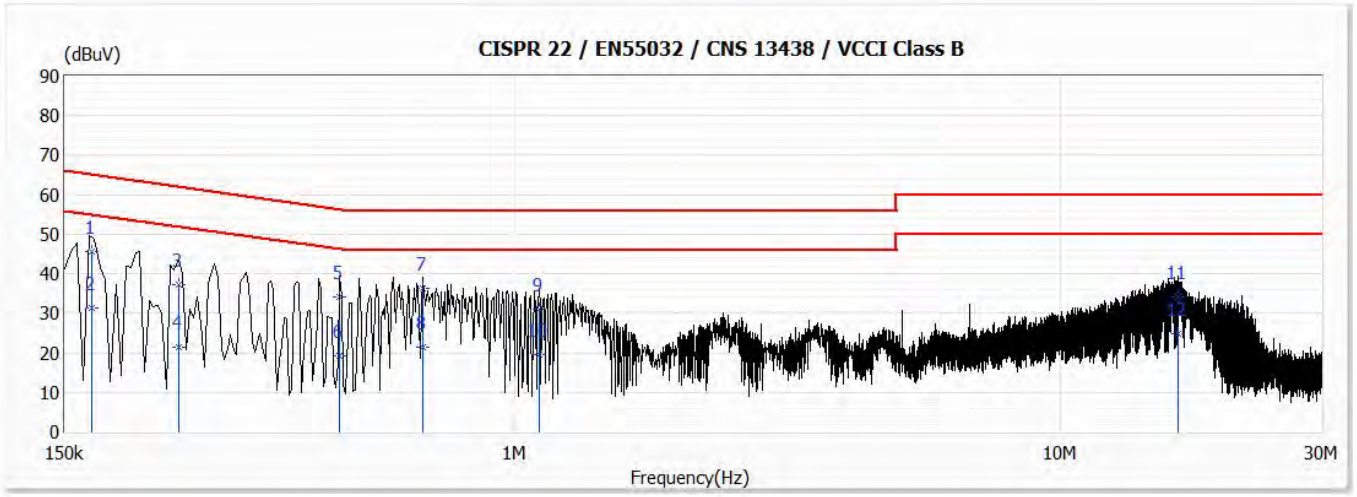
Remarks: In the above table, the tighter limit applies at the band edges.

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	EA211002	Site	SR2
Test Voltage	AC 120V/60Hz	Test Date	2021/6/3
Test Mode	Mode 3	Engineer	Sian Chen
Phase	L1	Temperature (℃)	23
Test Condition	--	Humidity (%RH)	49

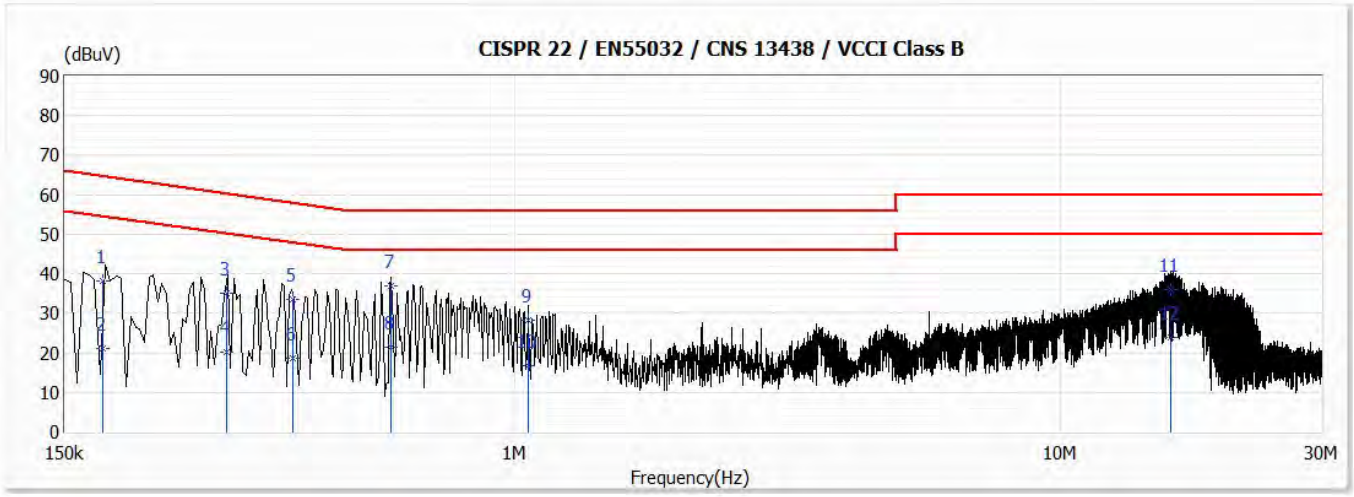


No	Frequency (MHz)	Emission Level (dBuV)	Limit (dBuV)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
*1	0.168	45.61	65.06	-19.45	35.85	9.76	QP
2	0.168	31.40	55.06	-23.66	21.64	9.76	AV
3	0.243	37.14	62.00	-24.86	27.39	9.75	QP
4	0.243	21.52	52.00	-30.48	11.77	9.75	AV
5	0.477	34.11	56.40	-22.29	24.36	9.75	QP
6	0.477	19.29	46.40	-27.11	9.54	9.75	AV
7	0.677	36.40	56.00	-19.60	26.64	9.76	QP
8	0.677	21.49	46.00	-24.51	11.73	9.76	AV
9	1.107	31.11	56.00	-24.89	21.34	9.77	QP
10	1.107	19.50	46.00	-26.50	9.73	9.77	AV
11	16.367	34.25	60.00	-25.75	24.12	10.13	QP
12	16.367	24.98	50.00	-25.02	14.85	10.13	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	EA211002	Site	SR2
Test Voltage	AC 120V/60Hz	Test Date	2021/6/3
Test Mode	Mode 3	Engineer	Sian Chen
Phase	N	Temperature (℃)	23
Test Condition	--	Humidity (%RH)	49

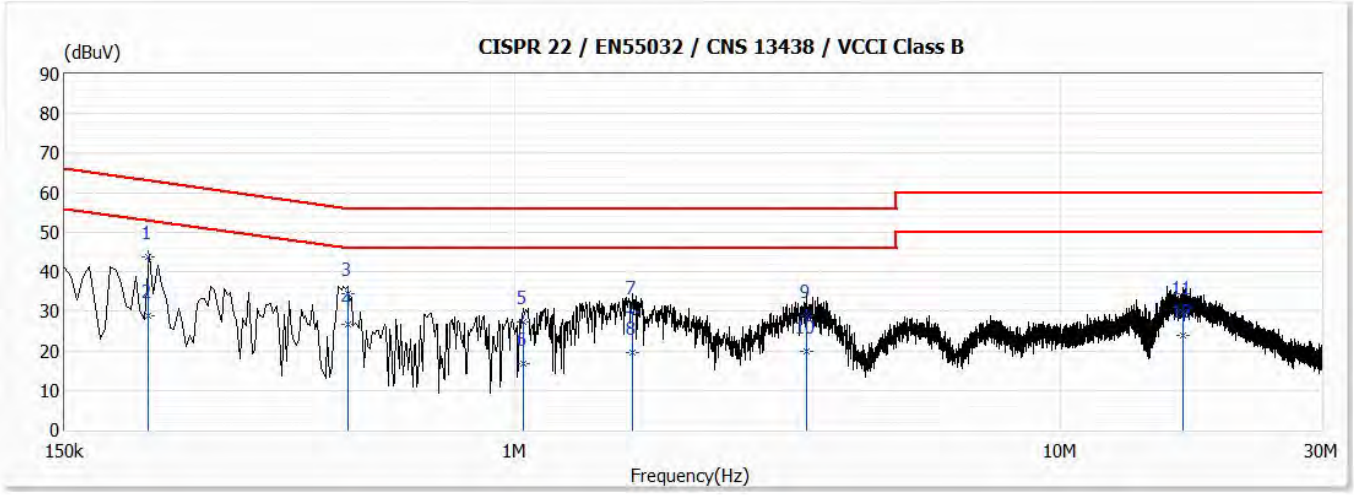


No	Frequency (MHz)	Emission Level (dBuV)	Limit (dBuV)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	0.176	38.06	64.67	-26.61	28.32	9.74	QP
2	0.176	21.25	54.67	-33.42	11.51	9.74	AV
3	0.297	35.08	60.32	-25.24	25.34	9.74	QP
4	0.297	20.04	50.32	-30.28	10.30	9.74	AV
5	0.392	33.40	58.03	-24.63	23.66	9.74	QP
6	0.392	18.69	48.03	-29.34	8.95	9.74	AV
*7	0.592	36.95	56.00	-19.05	27.21	9.74	QP
8	0.592	21.56	46.00	-24.44	11.82	9.74	AV
9	1.058	28.38	56.00	-27.62	18.61	9.77	QP
10	1.058	16.66	46.00	-29.34	6.89	9.77	AV
11	15.878	35.89	60.00	-24.11	25.72	10.17	QP
12	15.878	24.01	50.00	-25.99	13.84	10.17	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	EA211002	Site	SR2
Test Voltage	AC 120V/60Hz	Test Date	2021/6/2
Test Mode	Mode 5	Engineer	Sian Chen
Phase	L1	Temperature (℃)	23
Test Condition	--	Humidity (%RH)	49

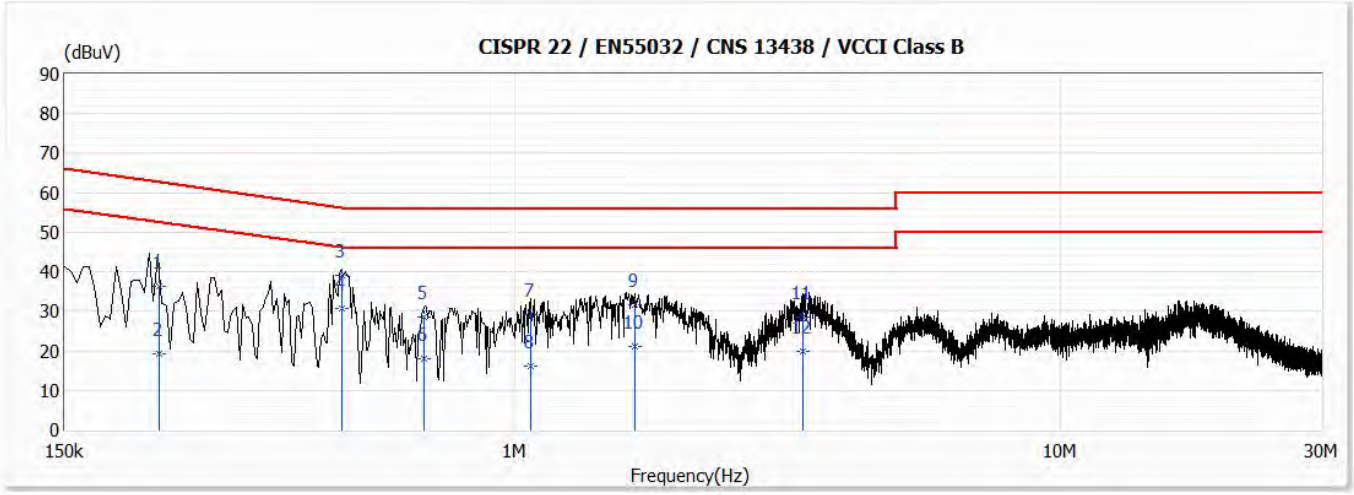


No	Frequency (MHz)	Emission Level (dBuV)	Limit (dBuV)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
*1	0.213	43.80	63.07	-19.27	34.05	9.75	QP
2	0.213	28.91	53.07	-24.16	19.16	9.75	AV
3	0.495	34.45	56.09	-21.64	24.70	9.75	QP
4	0.495	26.55	46.09	-19.54	16.80	9.75	AV
5	1.036	27.42	56.00	-28.58	17.65	9.77	QP
6	1.036	16.65	46.00	-29.35	6.88	9.77	AV
7	1.644	29.75	56.00	-26.25	19.95	9.80	QP
8	1.644	19.40	46.00	-26.60	9.60	9.80	AV
9	3.422	28.79	56.00	-27.21	18.93	9.86	QP
10	3.422	19.84	46.00	-26.16	9.98	9.86	AV
11	16.707	29.70	60.00	-30.30	19.57	10.13	QP
12	16.707	23.77	50.00	-26.23	13.64	10.13	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	EA211002	Site	SR2
Test Voltage	AC 120V/60Hz	Test Date	2021/6/3
Test Mode	Mode 5	Engineer	Sian Chen
Phase	N	Temperature (℃)	23
Test Condition	--	Humidity (%RH)	49



No	Frequency (MHz)	Emission Level (dBuV)	Limit (dBuV)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	0.223	36.42	62.71	-26.29	26.68	9.74	QP
2	0.223	19.30	52.71	-33.41	9.56	9.74	AV
3	0.483	38.98	56.28	-17.30	29.24	9.74	QP
*4	0.483	30.82	46.28	-15.46	21.08	9.74	AV
5	0.684	28.56	56.00	-27.44	18.81	9.75	QP
6	0.684	18.06	46.00	-27.94	8.31	9.75	AV
7	1.070	29.14	56.00	-26.86	19.37	9.77	QP
8	1.070	16.05	46.00	-29.95	6.28	9.77	AV
9	1.658	31.61	56.00	-24.39	21.81	9.80	QP
10	1.658	21.12	46.00	-24.88	11.32	9.80	AV
11	3.363	28.61	56.00	-27.39	18.75	9.86	QP
12	3.363	19.84	46.00	-26.16	9.98	9.86	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.

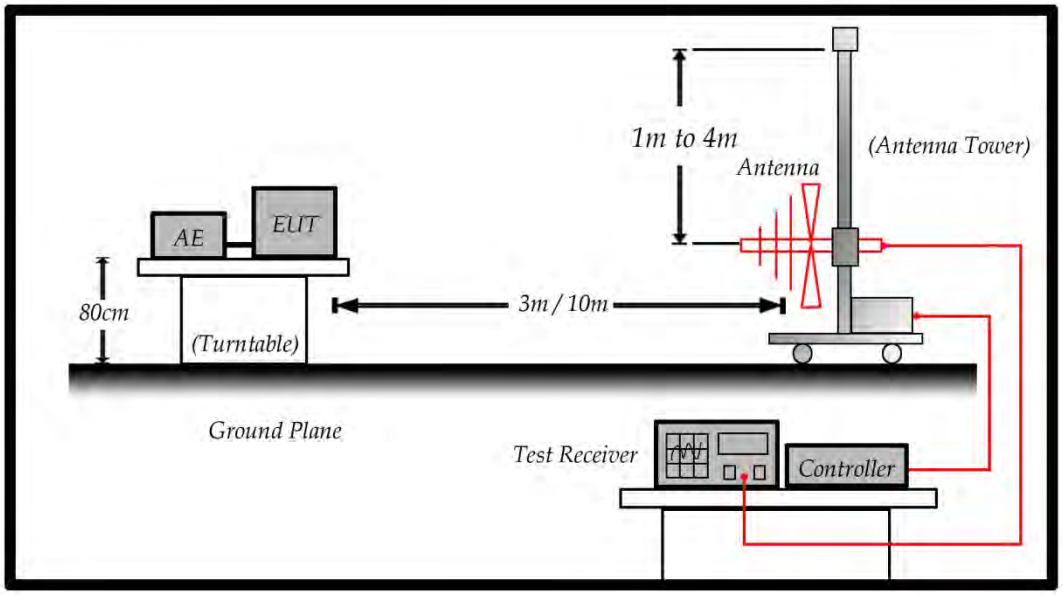
4. Radiated Emission

4.1. Test Specification

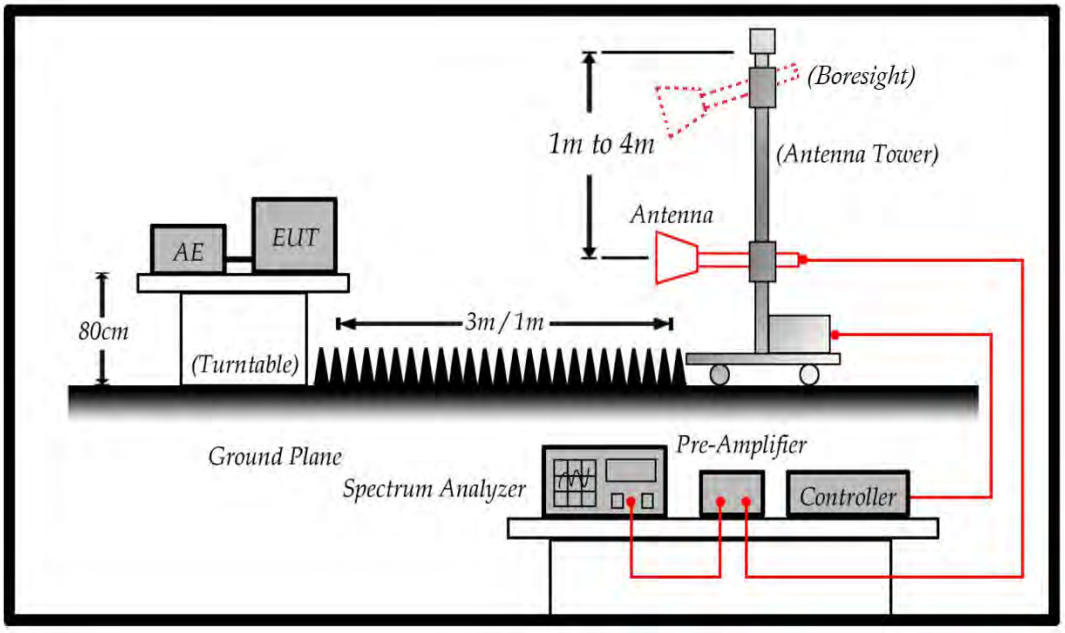
According to EMC Standard : FCC Part 15 Subpart B, ANSI C63.4

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.

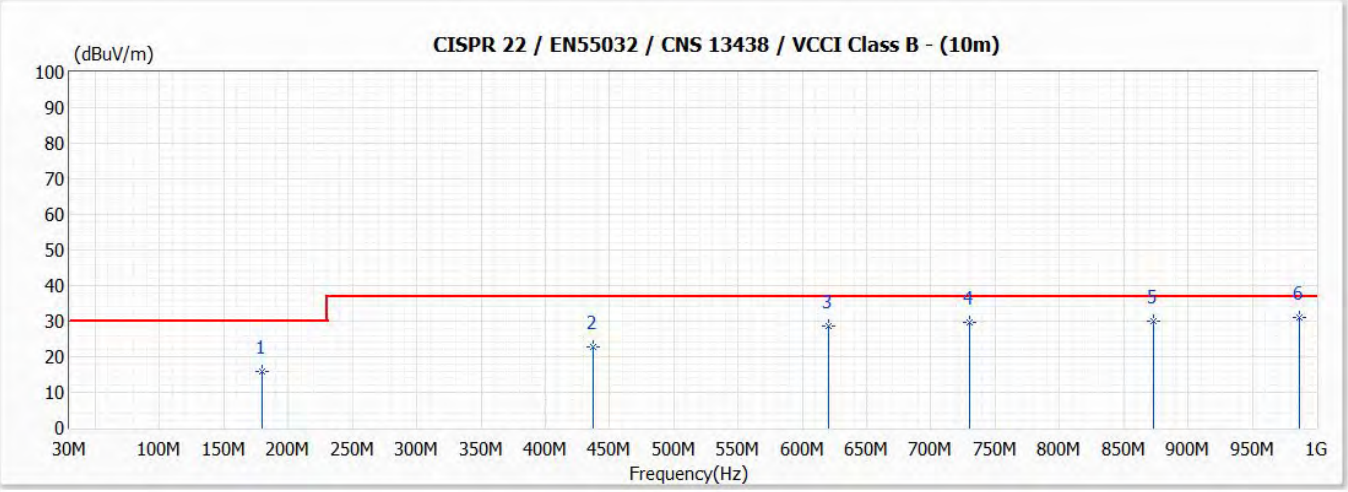
For class A, the measurement distance between the EUT and antenna is 10 meters for under 1GHz and above 1GHz.

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	EA211002	Site	SITE5
Test Voltage	AC 120V/60Hz	Test Date	2021/6/3
Test Mode	Mode 3	Engineer	Peter Lin
Polarity	Horizontal	Temperature (℃)	24
Test Condition	--	Humidity (%RH)	68

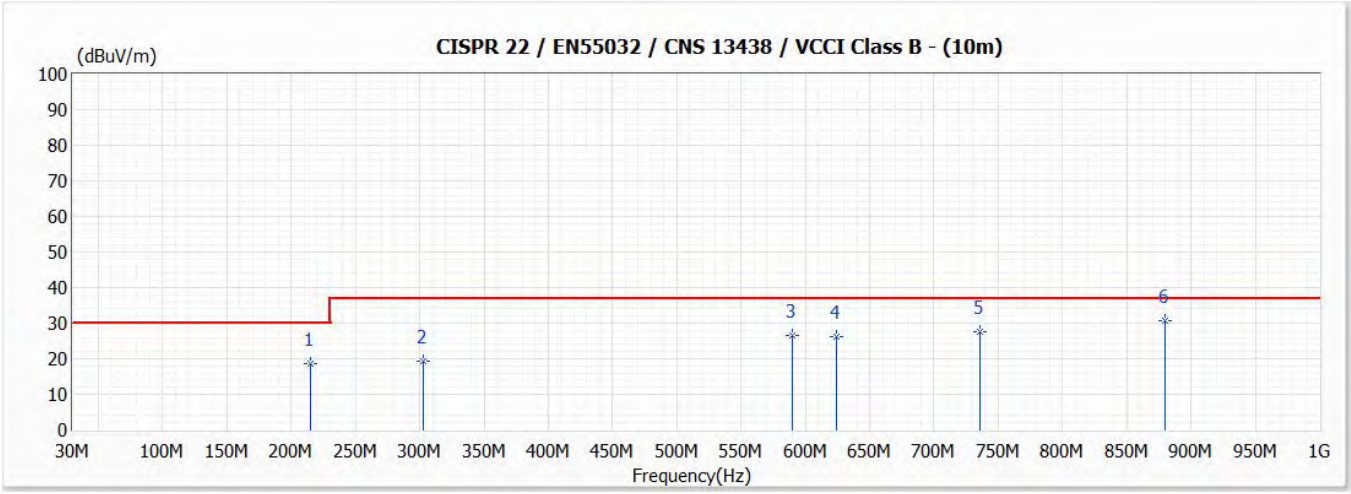


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Ant Pos (cm)	TT Pos (deg)	Detector Type
1	180.140	15.73	30.00	-14.27	28.20	-12.47	370	94	QP
2	436.810	22.93	37.00	-14.07	27.70	-4.77	200	-177	QP
3	620.130	28.70	37.00	-8.30	28.80	-0.10	100	49	QP
4	730.030	29.49	37.00	-7.51	26.80	2.69	100	-138	QP
5	873.380	29.83	37.00	-7.17	24.60	5.23	100	142	QP
* 6	987.060	31.20	37.00	-5.80	23.60	7.60	100	13	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=LISN Factor+Cable Loss).
3. Margin=Emission Level - Limit.

Model No	EA211002	Site	SITE5
Test Voltage	AC 120V/60Hz	Test Date	2021/6/3
Test Mode	Mode 3	Engineer	Peter Lin
Polarity	Vertical	Temperature (℃)	24
Test Condition	--	Humidity (%RH)	68

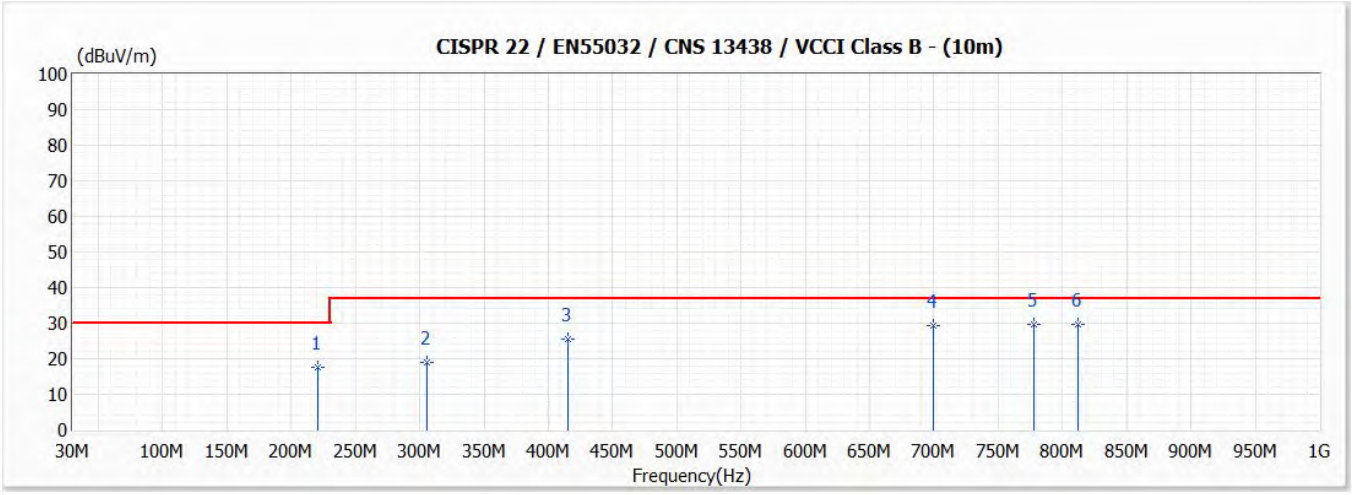


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Ant Pos (cm)	TT Pos (deg)	Detector Type
1	215.410	18.62	30.00	-11.38	32.20	-13.58	100	195	QP
2	302.750	19.37	37.00	-17.63	28.50	-9.13	100	-158	QP
3	589.960	26.49	37.00	-10.51	27.40	-0.91	300	42	QP
4	624.530	26.21	37.00	-10.79	26.10	0.11	250	-83	QP
5	736.010	27.46	37.00	-9.54	24.50	2.96	250	91	QP
* 6	880.270	30.62	37.00	-6.38	25.20	5.42	150	24	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=LISN Factor+Cable Loss).
3. Margin=Emission Level - Limit.

Model No	EA211002	Site	SITE5
Test Voltage	AC 120V/60Hz	Test Date	2021/6/3
Test Mode	Mode 5	Engineer	Peter Lin
Polarity	Horizontal	Temperature (℃)	24
Test Condition	--	Humidity (%RH)	68

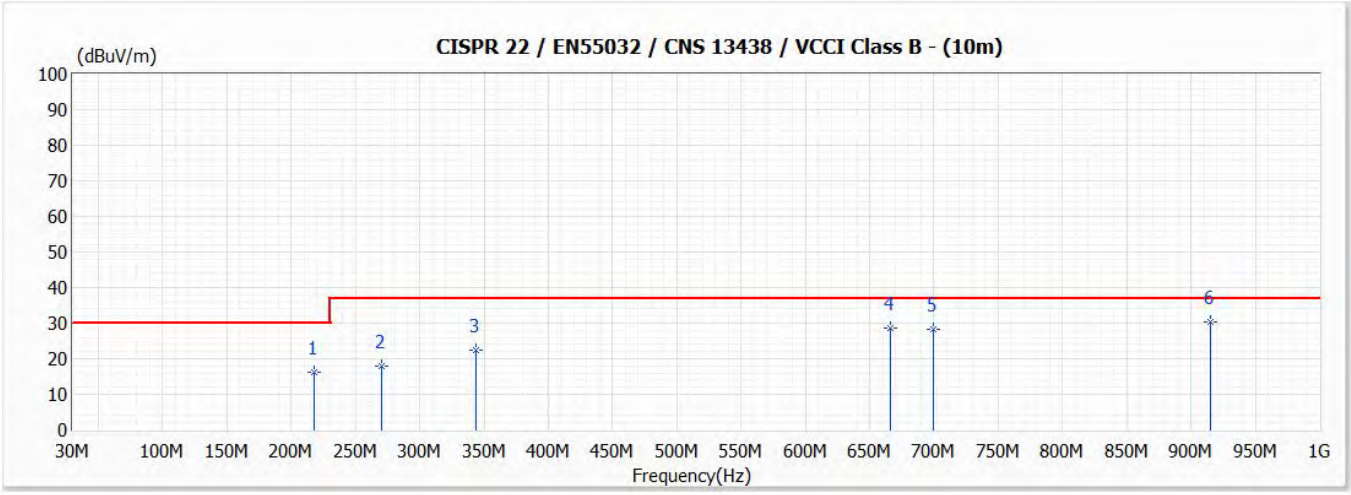


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Ant Pos (cm)	TT Pos (deg)	Detector Type
1	221.070	17.68	30.00	-12.32	31.20	-13.52	370	148	QP
2	305.980	18.88	37.00	-18.12	27.90	-9.02	300	15	QP
3	415.160	25.67	37.00	-11.33	31.20	-5.53	100	-102	QP
4	699.874	29.21	37.00	-7.79	27.40	1.81	100	136	QP
* 5	777.590	29.82	37.00	-7.18	26.10	3.72	100	183	QP
6	812.550	29.53	37.00	-7.47	25.40	4.13	100	67	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=LISN Factor+Cable Loss).
3. Margin=Emission Level - Limit.

Model No	EA211002	Site	SITE5
Test Voltage	AC 120V/60Hz	Test Date	2021/6/3
Test Mode	Mode 5	Engineer	Peter Lin
Polarity	Vertical	Temperature (℃)	24
Test Condition	--	Humidity (%RH)	68

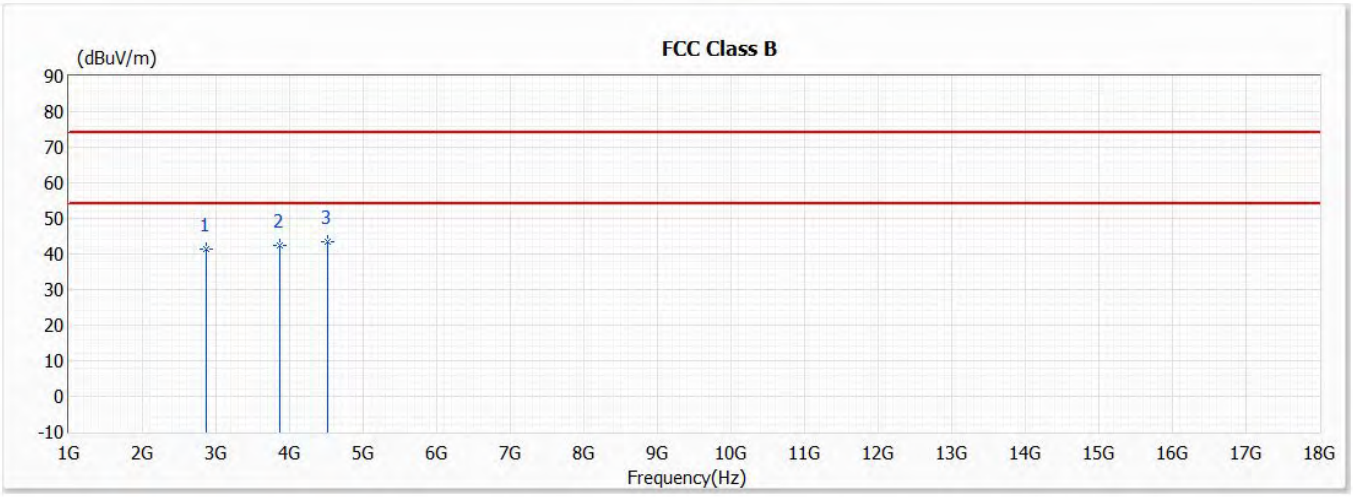


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Ant Pos (cm)	TT Pos (deg)	Detector Type
1	218.040	16.14	30.00	-13.86	29.70	-13.56	100	195	QP
2	269.970	18.04	37.00	-18.96	28.30	-10.26	100	105	QP
3	343.650	22.26	37.00	-14.74	30.20	-7.94	100	-67	QP
4	666.600	28.79	37.00	-8.21	27.90	0.89	250	48	QP
5	699.870	28.11	37.00	-8.89	26.30	1.81	250	91	QP
* 6	915.480	30.35	37.00	-6.65	24.20	6.15	150	-162	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=LISN Factor+Cable Loss).
3. Margin=Emission Level - Limit.

Model No	EA211002	Site	CB7
Test Voltage	AC 120V/60Hz	Test Date	2021/6/3
Test Mode	Mode 3	Engineer	Nilk Chen
Polarity	Horizontal	Temperature (℃)	25.2
Test Condition	--	Humidity (%RH)	61

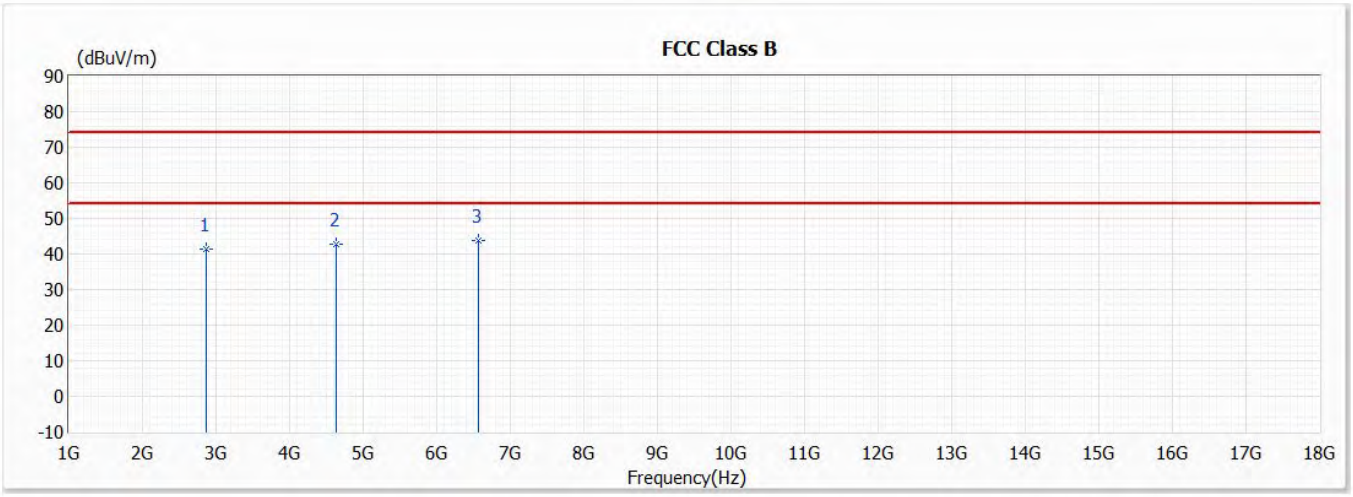


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Ant Pos (cm)	TT Pos (deg)	Detector Type
1	2870.000	41.55	74.00	-32.45	47.56	-6.01	100	-54	PK
2	3873.000	42.48	74.00	-31.52	46.00	-3.52	160	136	PK
* 3	4519.000	43.30	74.00	-30.70	45.13	-1.83	140	76	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	EA211002	Site	CB7
Test Voltage	AC 120V/60Hz	Test Date	2021/6/3
Test Mode	Mode 3	Engineer	Nilk Chen
Polarity	Vertical	Temperature (℃)	25.2
Test Condition	--	Humidity (%RH)	61

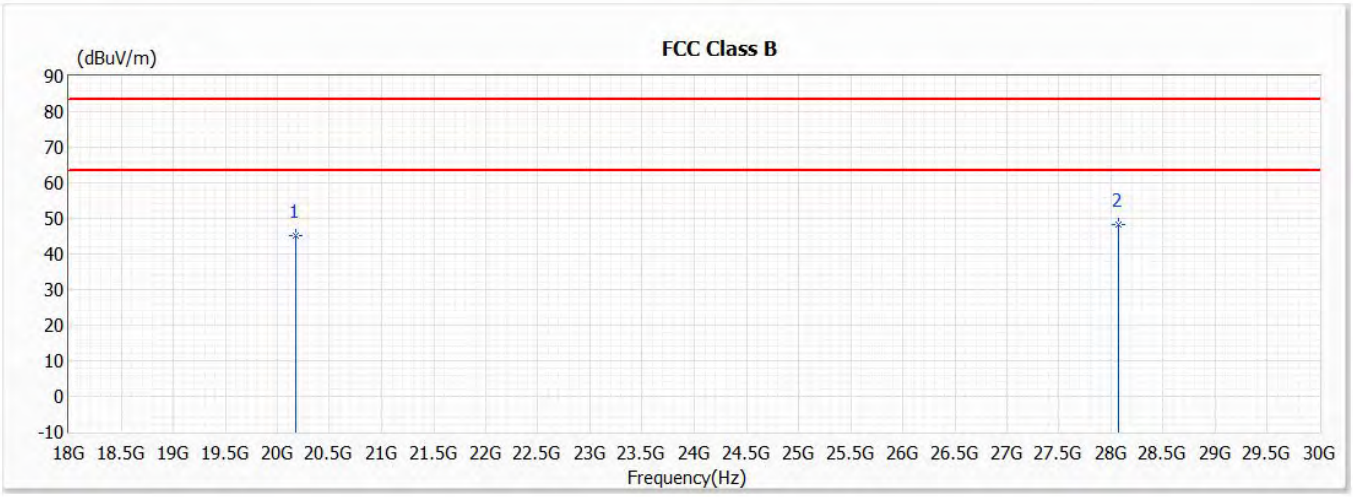


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Ant Pos (cm)	TT Pos (deg)	Detector Type
1	2870.000	41.52	74.00	-32.48	47.53	-6.01	150	-139	PK
2	4638.000	42.92	74.00	-31.08	44.39	-1.47	100	-28	PK
* 3	6559.000	43.74	74.00	-30.26	42.67	1.07	110	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	EA211002	Site	CB7
Test Voltage	AC 120V/60Hz	Test Date	2021/6/3
Test Mode	Mode 3	Engineer	Nilk Chen
Polarity	Horizontal	Temperature (℃)	25.2
Test Condition	--	Humidity (%RH)	61

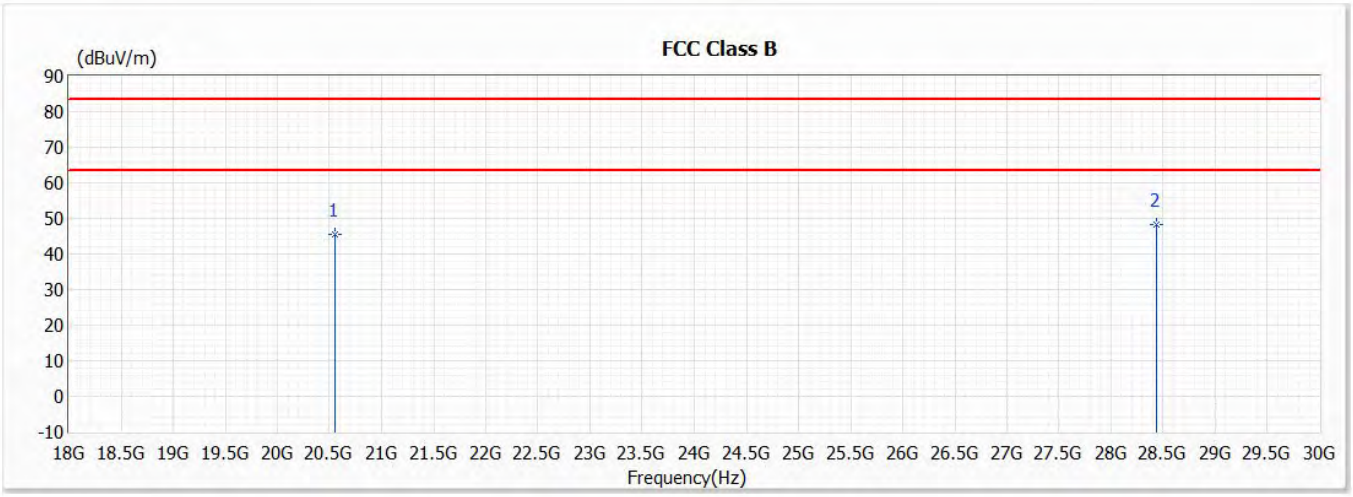


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Ant Pos (cm)	TT Pos (deg)	Detector Type
1	20174.000	45.10	83.50	-38.40	45.12	-0.02	100	176	PK
* 2	28067.000	48.30	83.50	-35.20	43.56	4.74	100	-43	PK

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	EA211002	Site	CB7
Test Voltage	AC 120V/60Hz	Test Date	2021/6/3
Test Mode	Mode 3	Engineer	Nilk Chen
Polarity	Vertical	Temperature (℃)	25.2
Test Condition	--	Humidity (%RH)	61

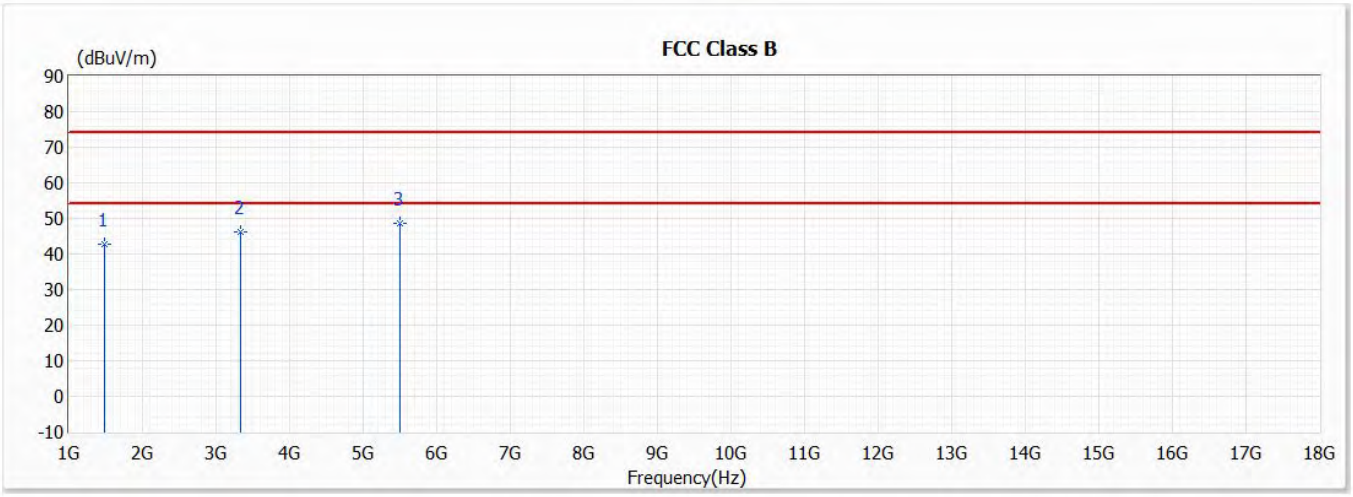


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Ant Pos (cm)	TT Pos (deg)	Detector Type
1	20557.000	45.60	83.50	-37.90	45.18	0.42	100	105	PK
* 2	28434.000	48.40	83.50	-35.10	44.24	4.16	100	-74	PK

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	EA211002	Site	CB7
Test Voltage	AC 120V/60Hz	Test Date	2021/6/3
Test Mode	Mode 5	Engineer	Nilk Chen
Polarity	Horizontal	Temperature (℃)	25.2
Test Condition	--	Humidity (%RH)	61

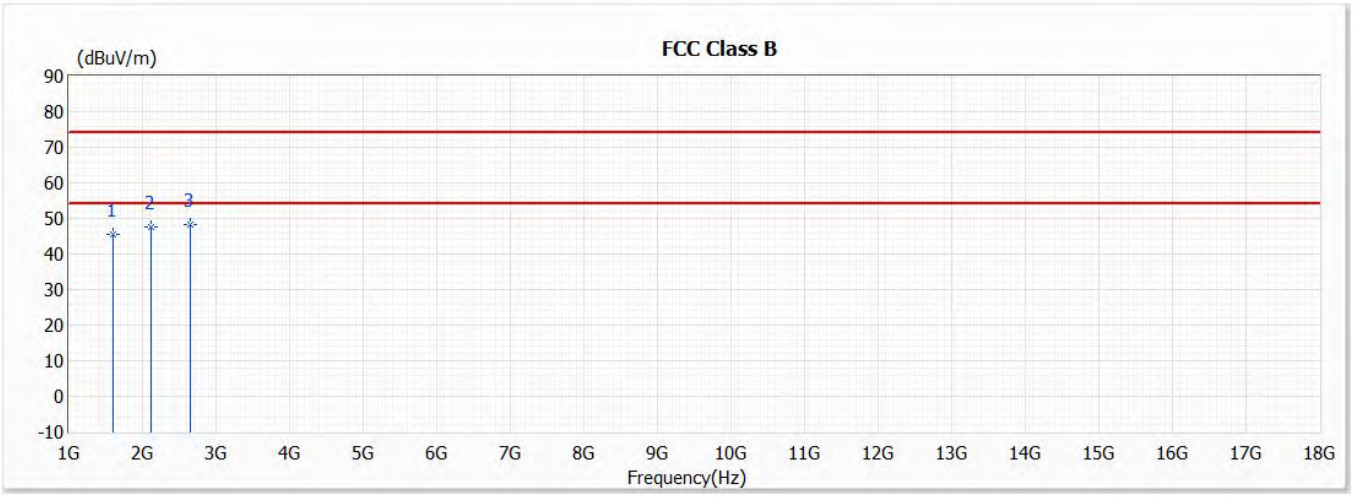


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Ant Pos (cm)	TT Pos (deg)	Detector Type
1	1476.000	42.93	74.00	-31.07	55.93	-13.00	100	-34	PK
2	3329.000	46.31	74.00	-27.69	51.34	-5.03	130	158	PK
* 3	5505.000	48.60	74.00	-25.40	49.01	-0.41	110	76	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	EA211002	Site	CB7
Test Voltage	AC 120V/60Hz	Test Date	2021/6/3
Test Mode	Mode 5	Engineer	Nilk Chen
Polarity	Vertical	Temperature (℃)	25.2
Test Condition	--	Humidity (%RH)	61

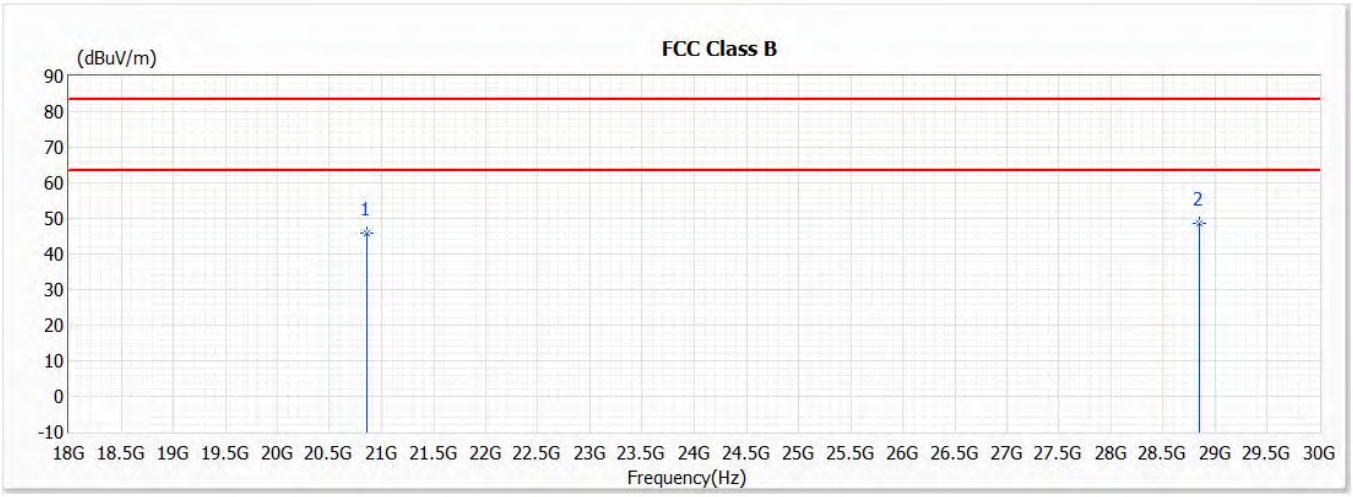


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Ant Pos (cm)	TT Pos (deg)	Detector Type
1	1595.000	45.41	74.00	-28.59	58.01	-12.60	150	-133	PK
2	2122.000	47.48	74.00	-26.52	55.61	-8.13	100	-85	PK
* 3	2649.000	48.24	74.00	-25.76	54.54	-6.30	130	196	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	EA211002	Site	CB7
Test Voltage	AC 120V/60Hz	Test Date	2021/6/3
Test Mode	Mode 4	Engineer	Nilk Chen
Polarity	Horizontal	Temperature (℃)	25.2
Test Condition	--	Humidity (%RH)	61

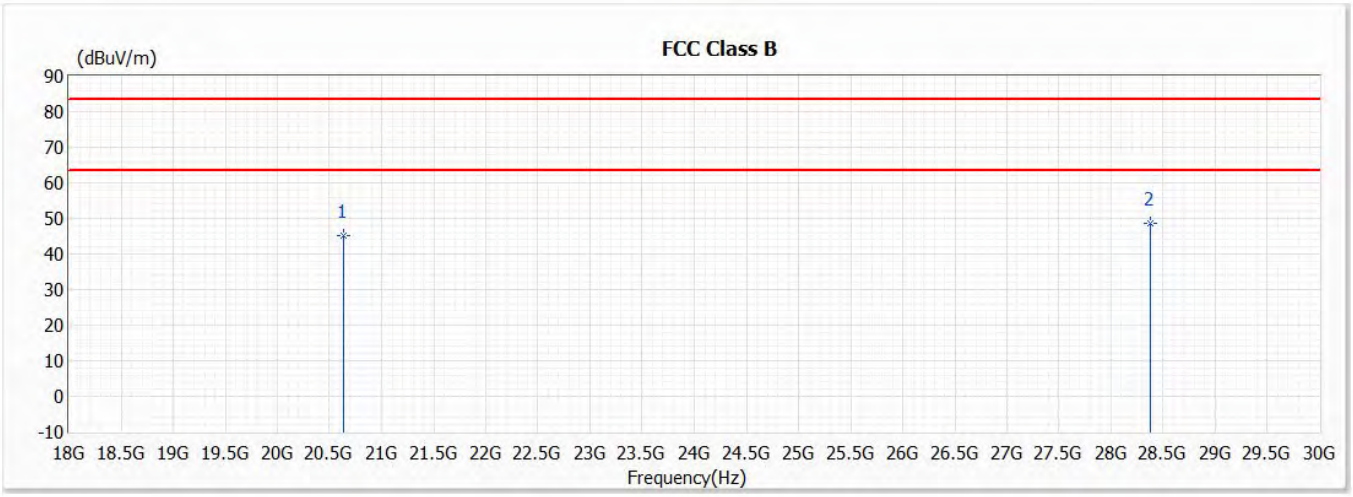


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Ant Pos (cm)	TT Pos (deg)	Detector Type
1	20854.000	45.70	83.50	-37.80	45.08	0.62	100	187	PK
* 2	28845.000	48.60	83.50	-34.90	44.18	4.42	100	-69	PK

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	EA211002	Site	CB7
Test Voltage	AC 120V/60Hz	Test Date	2021/6/3
Test Mode	Mode 4	Engineer	Nilk Chen
Polarity	Vertical	Temperature (℃)	25.2
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	20636.000	45.30	83.50	-38.20	44.96	0.34	100	88	PK
* 2	28372.000	48.60	83.50	-34.90	44.35	4.25	100	-127	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.