FCC Test Report

Product Name : Laptop

Model No. : RC57

Applicant : Intel Corporation

Address : 2200 Mission College Blvd. Santa Clara, CA 95054-1549 USA

Date of Receipt : 2021/08/22

Issued Date : 2021/10/13

Report No. : 2180902R-E3012110001

Report Version : V1.0

Test Report

Issued Date : 2021/10/13
Report No. : 2180902R-E3012110001

Product Name	:	Laptop
Applicant	:	Intel Corporation
Address	:	2200 Mission College Blvd. Santa Clara, CA 95054-1549 USA
Manufacturer	:	Intel Corporation
Model No.	:	RC57
EUT Rated Voltage	:	20Vdc, 3.25A
EUT Test Voltage	:	AC 120 V / 60 Hz
Trade Name	:	intel
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 : Vita Wang
(Adm. Specialist / Vita Wang)

Reviewed By : Sampras yen
(Senior 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

TABLE OF CONTENTS

Product Photos: Please refer to the file: 2180902R-Product Photos

Revision History

Report No.	Version	Description	Issued Date
2180902R-E3012110001	V1.0	Initial issue of report.	2021-10-13

1. General Information

1.1. EUT Description

Product Name	Laptop
Trade Name	intel
Model No.	RC57
EUT Max Frequency	5.8GHz

Component	
Power Adapter	MFR: FSP, M/N: FSP065-A1BR3 Input: AC 100-240V~50-60Hz 1.7A Output: DC 5.0V⎓3.0A 15.0W, DC 9.0V⎓3.0A 27.0W, DC 12.0V⎓3.0A 36.0W, DC 15.0V⎓3.0A 45.0W, DC 20.0V⎓3.25A 65.0W, Cable Out: Non-Shielded, 1.8m

Keyparts List				
No.	**Item**	**Manufactory**	**Model**	**Specification**
1	CPU (1744BGA)	Intel	i5-1240P	1.7GHz
		Intel	i7-1260P	2.1GHz
		Intel	i5-1250P	1.7GHz
		Intel	i7-1270P	2.2GHz
2	DDR	Micron	MT62F1G32D4DR-31	DDR5 4GB 6400Hz onboard
		Samsung	K3LKBKB0BM-MGCP	LPDDR5 4GB 6400Hz onboard
		Samsung	K3LKCKC0BM-MGCP	LPDDR5 8GB 6400Hz onboard
		Micron	MT62F2G32D8DR-31	DDR5 8GB 6400Hz onboard
3	SSD	ADATA	AGAMMIXS50L-512G-B	512GB
		Samsung	MZVL2512HCJQ	
		WD	SDCPNRY-512G	
		Samsung	MZVL21T0HCLR-00A00	1TB
		ADATA	AGAMMIXS50L-1T-B	
		WD	SDCPNRY-1T00	
4	Panel	Henghao	B156HAN09	15.6”/1920*1080
		BOE	NE156FHM-A46	15.6”/1920*1080
5	Battery	Getac	4S1P	4740mAh
6	Adapter	FSP	FSP065-A1BR3	65W
7	WLAN	INTEL	WLAN+BT,AX211NGW	802.11abgn+acR2+ax MIMO 2x2
8	Webcam	LuxVisions-Inno	0BG101N3	--
9	Motherboard	Intel	PL5AUXC	--
10	Antenna	WGT	WLAN,PL5AUXC,DUALBAND_MAIN,AUDEN	--
		WGT	WLAN,PL5AUXC,DUALBAND_AUX,AUDEN	--

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	
Mode 2	
Mode 3	
Mode 4	
Mode 5	
Mode 6	
Final Test Mode	
Emission	Mode 1

ITEM	Vendor / Model No.	Test Mode					
		1	2	3	4	5	6
Resolution	LCD 1920*1080/60Hz + Extend HDMI 3840*2160/60Hz + Extend Type C 1 to HDMI 3840*2160/60Hz		V		V	V	V
	LCD 1920*1080/60Hz + Extend HDMI 3840*2160/60Hz + Extend Type C 2 to HDMI 3840*2160/60Hz	V		V			
CPU (1744BGA)	Intel i5-1240P @ 1.7GHz		V				
	Intel i7-1260P @ 2.1GHz	V					
	Intel i5-1250P @ 1.7GHz			V			
	Inteli7-1270P @ 2.2GHz				V	V	V
DDR	Micron./MT62F1G32D4DR-31						
	Micron./MT62F2G32D8DR-31			V			
	Samsung/K3LKBKB0BM-MGCP		V				
	Samsung/K3LKCKC0BM-MGCP	V			V	V	V
SSD	ADATA/AGAMMIXS50L-512G-B						V
	ADATA/AGAMMIXS50L-1T-B					V	
	WD/SDCPNRY-512G				V		
	WD/SDCPNRY-1T00			V			
	Samsung/MZVL2512HCJQ		V				
	Samsung/MZVL21T0HCLR-00A00	V					
Panel	Henghao/B156HAN09		V		V	V	V
	BOE/NE156FHM-A46	V		V			
Battery	Getac/4S1P	V	V	V	V	V	V

WLAN	INTEL/AX211NGW	V	V	V	V	V	V
Webcam	LuxVisions-Inno/0BG101N3	V	V	V	V	V	V
Motherboard	Intel/PL5AUXC	V	V	V	V	V	V
Antenna	WGT/WLAN,PL5AUXC,DUALBAND_MAIN,AUDEN	V	V	V	V	V	V
	WGT/WLAN,PL5AUXC,DUALBAND_AUX,AUDEN	V	V	V	V	V	V
Type C1	Monitor		V		V	V	V
	W/R	V					
	LOAD(5V/3A)			V			
	Charger	V		V			
Type C2	Monitor	V		V			
	W/R				V	V	V
	LOAD(5V/3A)		V				
	Charger		V		V	V	V
Adapter	FSP/FSP065-A1BR3	V	V	V	V	V	V

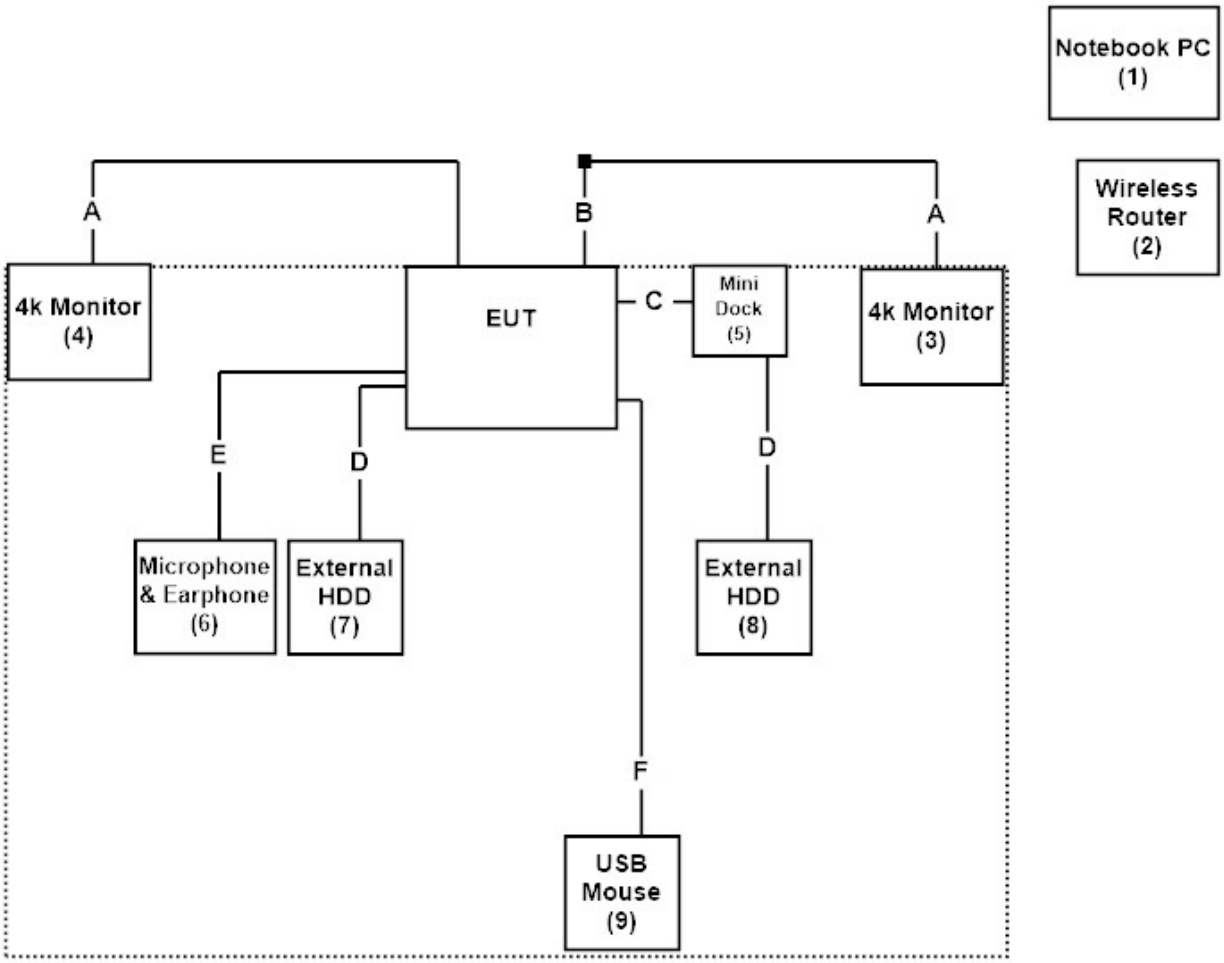
1.3. Tested System Details

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

Product		Manufacturer	Model No.	Serial No.	Power Cord
1	Notebook PC	DELL	Latitude 5580	2HRD7H2	Non-Shielded, 1.8m
2	Wireless Router	TP-LINK	TL-WR1043ND	13463900123	Non-Shielded, 1.8m
3	4k Monitor	ASUS	MX27U	H3LMRS013547	Non-Shielded, 1.8m
4	4k Monitor	Dell	U270Q	CN-0834VF-WSL00-12I-D90L-A08	Non-Shielded, 1.8m
5	Mini Dock	ASUS	Mini Dock	N/A	N/A
6	Microphone & Earphone	RONEVER	MOE240	N/A	N/A
7	External HDD	DonKen	GK-HDD-01	N/A	N/A
8	External HDD	DonKen	GK-HDD-01	N/A	N/A
9	USB Mouse	Microsoft	1113	N/A	N/A

1.4. Configuration of Tested System

Connection Diagram



Signal Cable Type		Signal cable Description
A	HDMI Cable	Shielded, 1.8m, two PCS.
B	Type-C to HDMI Cable	Shielded, 0.1m
C	Type-C Cable	Shielded, 0.15m
D	USB Cable	Shielded, 0.5m, two PCS.
E	Microphone & Earphone Cable	Non-Shielded, 1.2m
F	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 peripheral as shown on Figure
2	Connect the power to EUT and peripherals, then turn on the power of all equipment.
3	Waiting for EUT to enter Windows Operating System, and adjust the display resolution to the test mode first.
4	Activate Wireless interface and Bluetooth function, and perform the wireless data communication with the other Notebook (write/delete action).
5	Connect to HDD for transmitting data.
6	Run “H” pattern.
7	Run BurnIn Test.
8	Begin to test and repeat the above procedure (3)~(7).

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, ANSI C63.4a-2017	Yes	No
Radiated Emission	FCC CFR Title 47 Part 15 Subpart B: 2020, Class B CISPR 22: 2008 ANSI C63.4-2014, ANSI C63.4a-2017	Yes	No

2.2. List of Test Equipment

Conducted Emission / SR8

Instrument	Manufacturer	Type No.	Serial No	Cal. Date	Due. Date
EMI Test Receiver	R&S	ESR3	101973	2020/11/19	2021/11/18
Two-Line V-Network	R&S	ENV216	101479	2021/08/13	2022/08/12
Two-Line V-Network	R&S	ENV216	100097	2021/03/24	2022/03/23
Coaxial Cable	SUHNER	RG 400	LC018-RG	2021/06/18	2022/06/17

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

Radiated Emission / Site6

Instrument	Manufacturer	Type No.	Serial No	Cal. Date	Due. Date
Trilog-Broadband Antenna	Schwarzbeck	VULB 9168	0674	2021/05/28	2022/05/27
EMI Test Receiver	R&S	ESR3	102187	2021/04/19	2022/04/18
Coaxial Cable	SUHNER	RG 214	LC006A-RG LC006B-RG	2021/06/14	2022/06/13
Coaxial Switch	Anritsu	MP59B	6201454660	2021/06/14	2022/06/13
Preamplifier	Jet-Power	EMC9135	980715	2021/06/14	2022/06/13
NSA	DEKRA	N/A	N/A	2021/06/14	2022/06/13

Note: Test Receiver Detector: Quasipeak Bandwidth: 120kHz

Radiated Emission (Above 1GHz) / CB7 (Up to 40GHz)

Instrument	Manufacturer	Type No.	Serial No	Cal. Date	Due. Date
Double Ridged Guide Horn Antenna	ETS-Lindgren	3117	00227709	2020/11/03	2021/11/02
EMI Test Receiver	R&S	ESU26	100433	2020/11/20	2021/11/19
Coaxial Cable	SUHNER	SUCOFLEX 104	LC034-SF	2021/06/21	2022/06/20
Coaxial Cable	ROSNOL	R-Test EW0630	LC046-SF	2021/06/21	2022/06/20
Coaxial Cable	ROSNOL	MP533A	AC031-MP	2021/06/21	2022/06/20
Microwave Preamplifier	EMCI	EMC051845SE	980359	2020/11/11	2021/11/10
VSWR	DEKRA	N/A	N/A	2021/06/22	2022/06/21

2.3. Measurement Uncertainty

Conducted Emission

The measurement uncertainty is evaluated as ± 3.44 dB.

Radiated Emission(Under 1GHz)

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

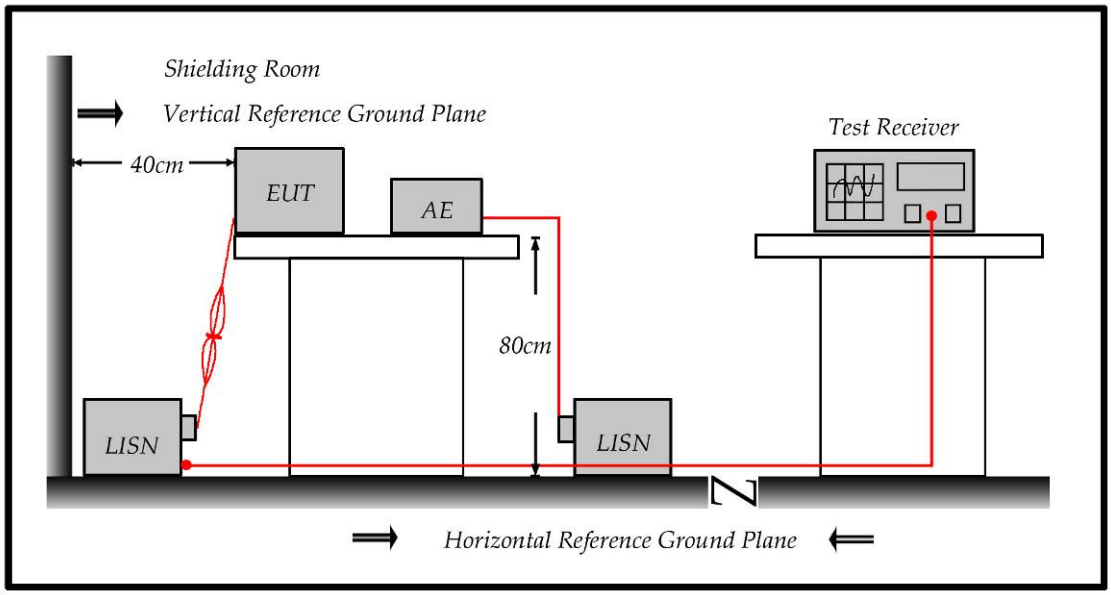
Performed Item	Items	Required
Conducted Emission	Temperature (°C)	10-40
	Humidity (%RH)	10-90
Radiated Emission	Temperature (°C)	10-40
	Humidity (%RH)	10-90

3. Conducted Emission

3.1. Test Specifications

According to Standard : FCC Part 15 Subpart B, CISPR 22: 2008

3.2. Test Setup



3.3. Limit

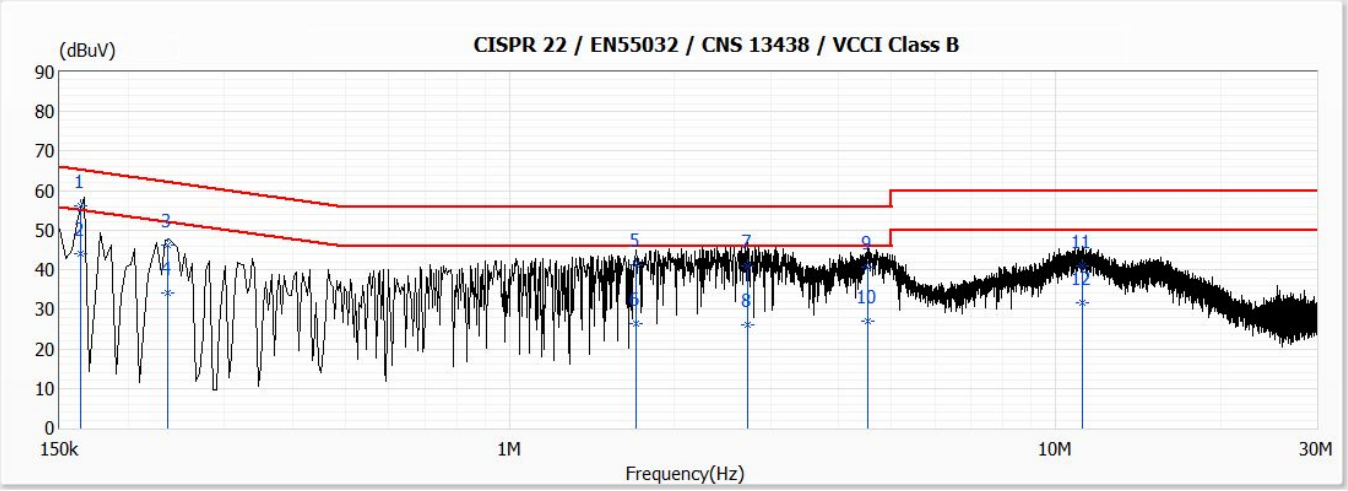
Conducted emissions limits (AC mains power terminals)				
Frequency range (MHz)	Class A Quasi-peak (dBuV)	Class A Average (dBuV)	Class B Quasi-peak (dBuV)	Class B Average (dBuV)
0.15 – 0.5	79	66	66 to 56	56 to 46
0.5 - 5	73	60	56	46
5 - 30	73	60	60	50
Note: 1. The more stringent limit applies at transition frequencies. 2. The limit level in dBμV decreases linearly with the logarithm of frequency				

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	RC57	Site	SR8
Test Voltage	AC 120V/60Hz	Test Date	2021/8/27
Test Mode	Mode 1	Engineer	Gary Luo
Phase	L1	Temperature (℃)	25.8
Test Condition	--	Humidity (%RH)	49

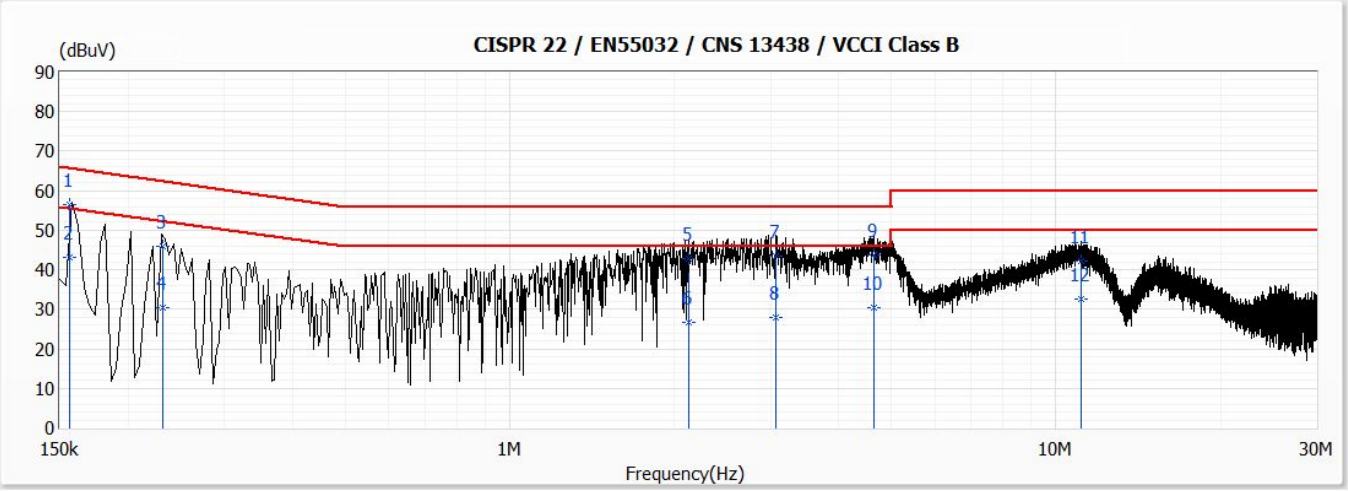


No	Frequency (MHz)	Emission Level (dBuV)	Limit (dBuV)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
*1	0.164	56.31	65.26	-8.95	46.53	9.78	QP
2	0.164	44.07	55.26	-11.19	34.29	9.78	AV
3	0.237	46.16	62.21	-16.05	36.39	9.77	QP
4	0.237	34.15	52.21	-18.06	24.38	9.77	AV
5	1.701	41.16	56.00	-14.84	31.32	9.84	QP
6	1.701	26.51	46.00	-19.49	16.67	9.84	AV
7	2.730	41.07	56.00	-14.93	31.20	9.87	QP
8	2.730	25.94	46.00	-20.06	16.07	9.87	AV
9	4.512	40.54	56.00	-15.46	30.62	9.92	QP
10	4.512	26.96	46.00	-19.04	17.04	9.92	AV
11	11.153	40.88	60.00	-19.12	30.80	10.08	QP
12	11.153	31.66	50.00	-18.34	21.58	10.08	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	RC57	Site	SR8
Test Voltage	AC 120V/60Hz	Test Date	2021/8/27
Test Mode	Mode 1	Engineer	Gary Luo
Phase	N	Temperature (℃)	25.8
Test Condition	--	Humidity (%RH)	49



No	Frequency (MHz)	Emission Level (dBuV)	Limit (dBuV)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
*1	0.156	56.58	65.66	-9.08	46.82	9.76	QP
2	0.156	43.05	55.66	-12.61	33.29	9.76	AV
3	0.231	45.84	62.40	-16.56	36.08	9.76	QP
4	0.231	30.47	52.40	-21.93	20.71	9.76	AV
5	2.130	42.73	56.00	-13.27	32.90	9.83	QP
6	2.130	26.79	46.00	-19.21	16.96	9.83	AV
7	3.069	43.53	56.00	-12.47	33.67	9.86	QP
8	3.069	27.85	46.00	-18.15	17.99	9.86	AV
9	4.633	43.79	56.00	-12.21	33.88	9.91	QP
10	4.633	30.34	46.00	-15.66	20.43	9.91	AV
11	11.125	42.11	60.00	-17.89	32.00	10.11	QP
12	11.125	32.69	50.00	-17.31	22.58	10.11	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

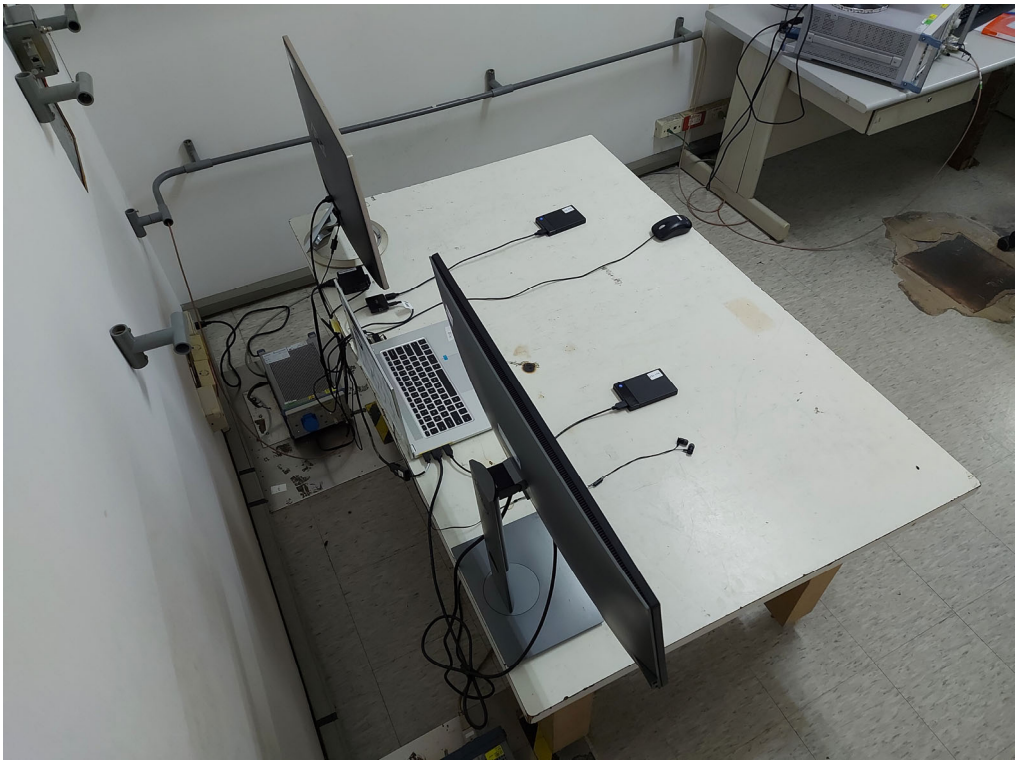
3.6. Test Photograph

Test Mode : Mode 1

Description : Front View of Conducted Test

Test Mode : Mode 1

Description : Back View of Conducted Test



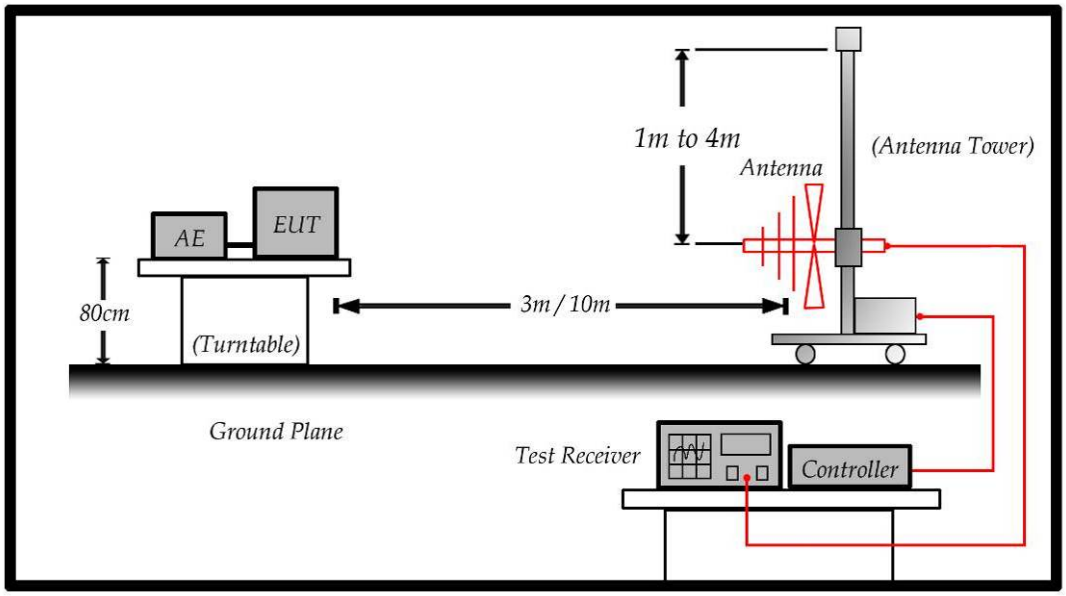
4. Radiated Emission

4.1. Test Specification

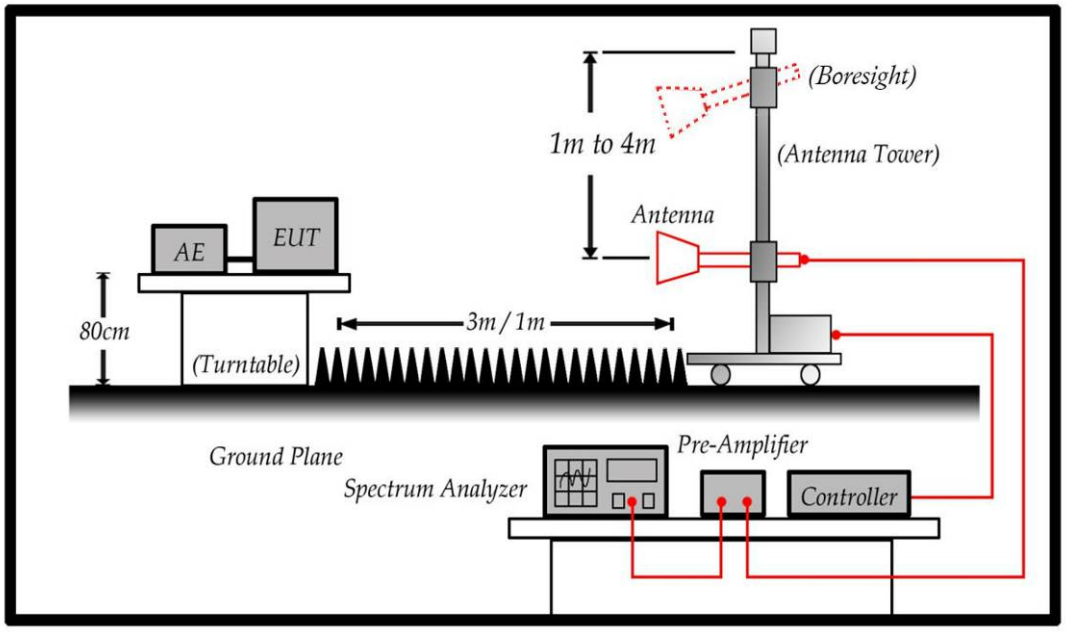
According to Standard : FCC Part 15 Subpart B, CISPR 22: 2008

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)	dBuV/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	46.0
960-1000	3	54
1000-40000	3	54
18000-40000	1	63.5

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.

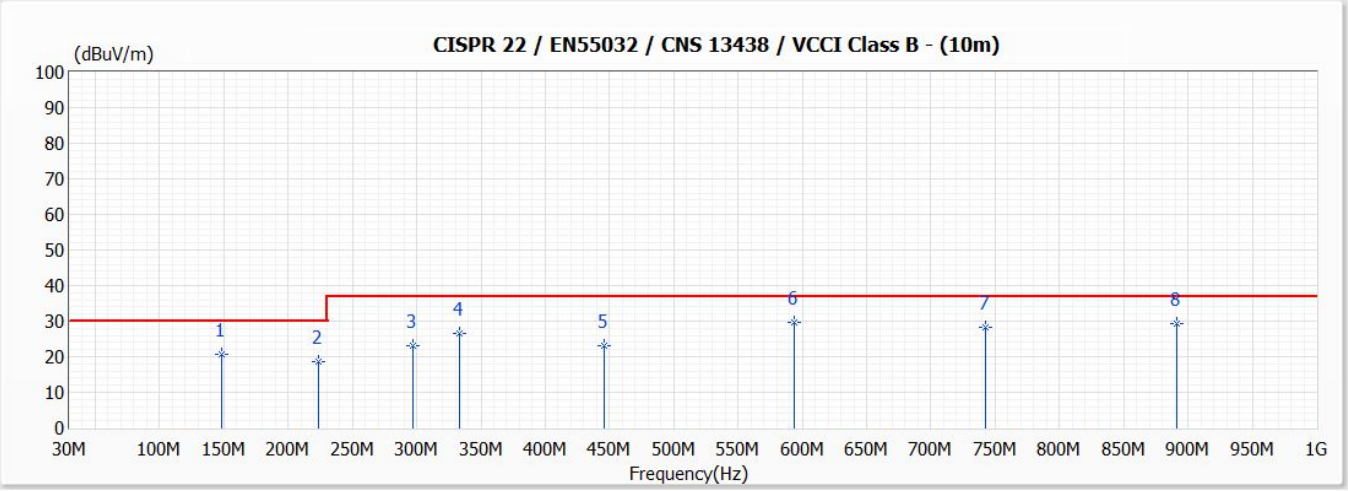
For class A, the measurement distance between the EUT and antenna is 10 meters for under 1GHz and above 1GHz.

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

4.5. Test Result

Model No	RC57	Site	SITE6
Test Voltage	AC 120V/60Hz	Test Date	2021/8/26
Test Mode	Mode 1	Engineer	John Wu
Polarity	Horizontal	Temperature (℃)	27.1
Test Condition	--	Humidity (%RH)	45



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	148.500	20.58	30.00	-9.42	34.80	-14.22	400	51	QP
2	223.820	18.75	30.00	-11.25	35.70	-16.95	400	152	QP
3	297.000	23.18	37.00	-13.82	35.90	-12.72	400	129	QP
4	333.030	26.45	37.00	-10.55	37.90	-11.45	222	-69	QP
5	445.500	22.97	37.00	-14.03	30.90	-7.93	201	155	QP
* 6	594.000	29.61	37.00	-7.39	34.20	-4.59	183	23	QP
7	742.490	28.28	37.00	-8.72	29.30	-1.02	100	32	QP
8	890.990	29.15	37.00	-7.85	28.20	0.95	100	-87	QP

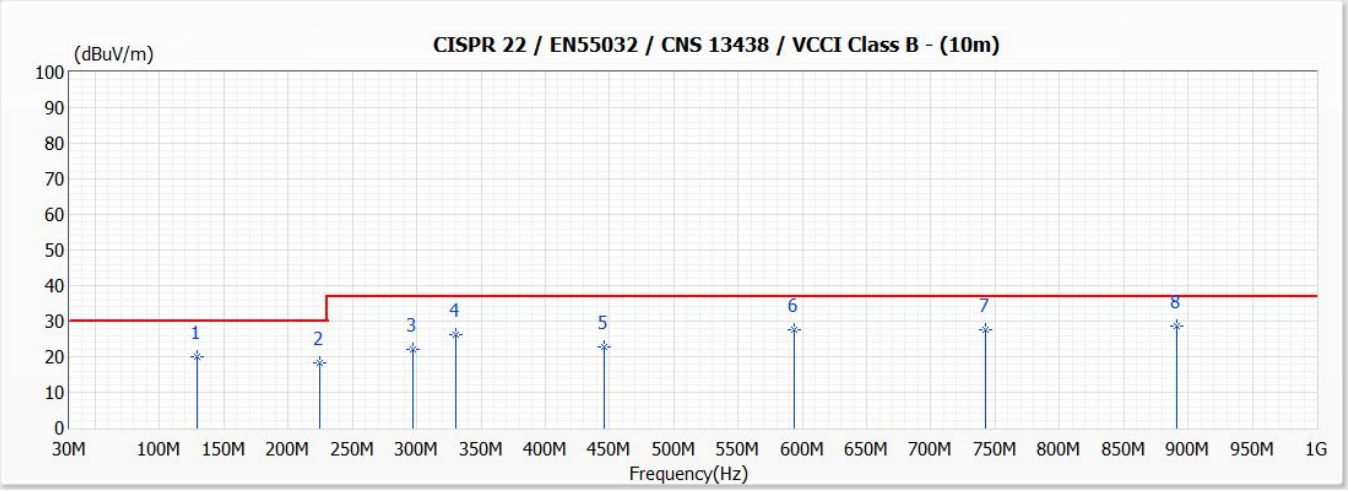
Remark:

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	RC57	Site	SITE6
Test Voltage	AC 120V/60Hz	Test Date	2021/8/26
Test Mode	Mode 1	Engineer	John Wu
Polarity	Vertical	Temperature (℃)	27.1
Test Condition	--	Humidity (%RH)	45



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	129.080	20.08	30.00	-9.92	35.60	-15.52	100	126	QP
2	224.380	18.16	30.00	-11.84	35.10	-16.94	100	-98	QP
3	297.000	22.18	37.00	-14.82	34.90	-12.72	100	158	QP
4	330.440	26.27	37.00	-10.73	37.80	-11.53	100	123	QP
5	445.500	22.87	37.00	-14.13	30.80	-7.93	261	103	QP
6	594.000	27.67	37.00	-9.33	32.26	-4.59	159	103	QP
7	742.490	27.48	37.00	-9.52	28.50	-1.02	221	109	QP
* 8	890.990	28.75	37.00	-8.25	27.80	0.95	184	69	QP

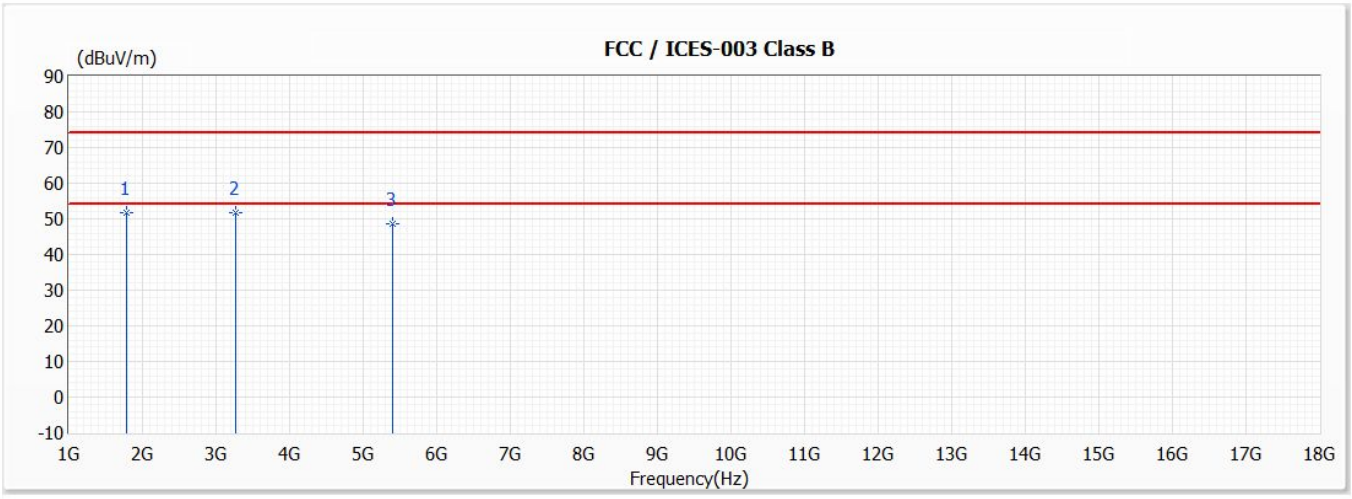
Remark:

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	RC57	Site	CB7
Test Voltage	AC 120V/60Hz	Test Date	2021/8/28
Test Mode	Mode 1	Engineer	Sam Chen
Polarity	Horizontal	Temperature (℃)	25
Test Condition	--	Humidity (%RH)	56

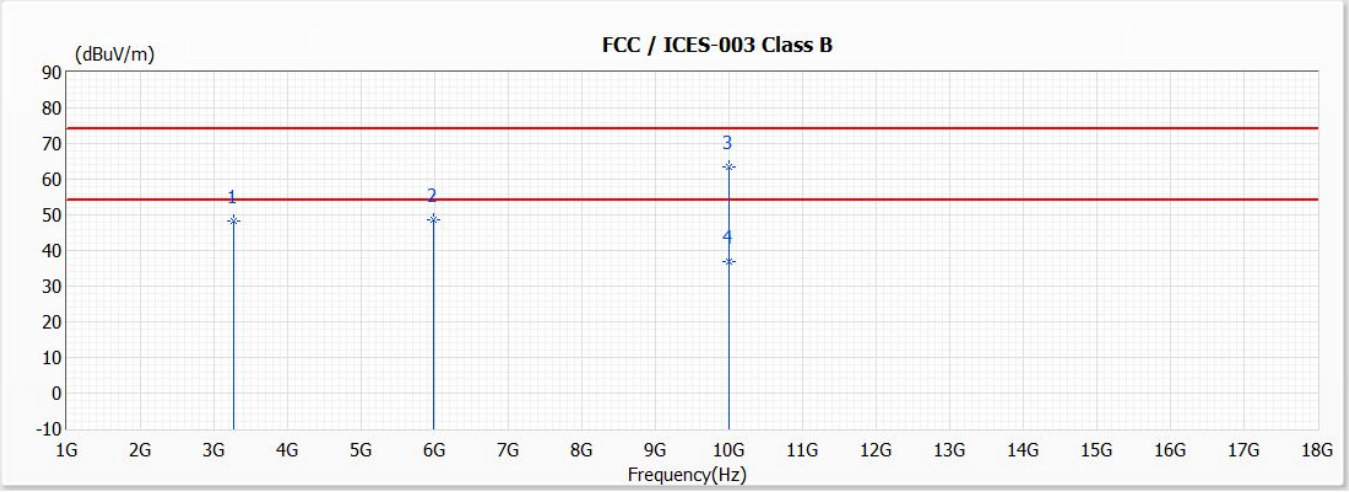


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Ant Pos (cm)	TT Pos (deg)	Detector Type
* 1	1782.000	51.87	74.00	-22.13	62.08	-10.21	118	-145	PK
2	3261.000	51.77	74.00	-22.23	56.79	-5.02	130	-132	PK
3	5403.000	48.47	74.00	-25.53	48.70	-0.23	141	38	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	RC57	Site	CB7
Test Voltage	AC 120V/60Hz	Test Date	2021/8/28
Test Mode	Mode 1	Engineer	Sam Chen
Polarity	Vertical	Temperature (℃)	25
Test Condition	--	Humidity (%RH)	56

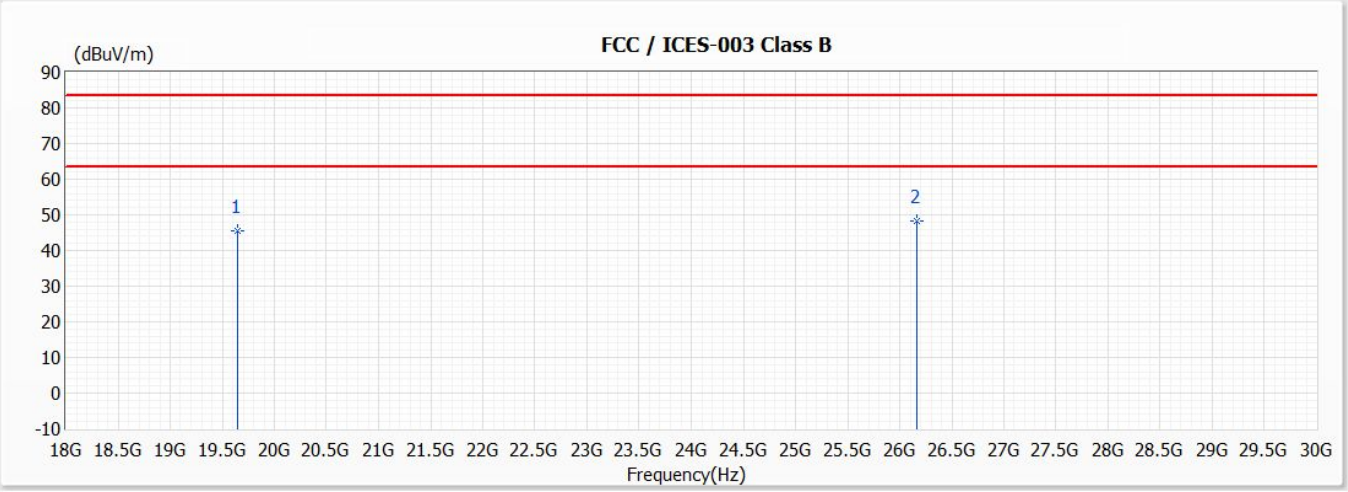


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Ant Pos (cm)	TT Pos (deg)	Detector Type
1	3261.000	48.20	74.00	-25.80	53.22	-5.02	107	-122	PK
2	5981.000	48.74	74.00	-25.26	48.05	0.69	121	-54	PK
* 3	9993.000	63.38	74.00	-10.62	59.04	4.34	125	197	PK
4	9993.000	36.80	54.00	-17.20	32.46	4.34	125	197	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=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	RC57	Site	CB7
Test Voltage	AC 120V/60Hz	Test Date	2021/8/28
Test Mode	Mode 1	Engineer	Sam Chen
Polarity	Horizontal	Temperature (℃)	25
Test Condition	--	Humidity (%RH)	56

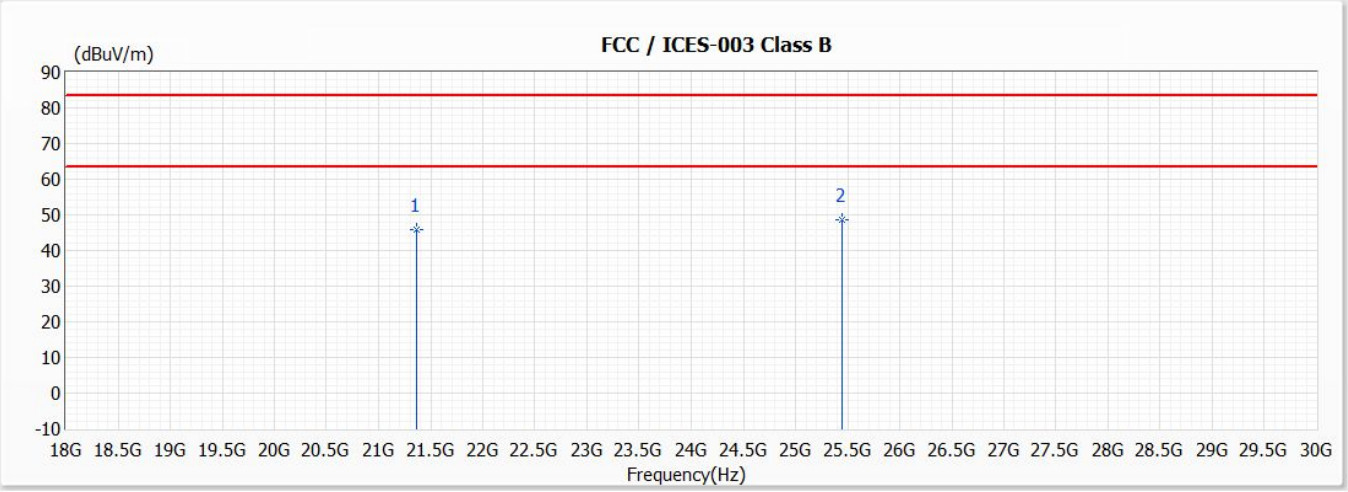


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Ant Pos (cm)	TT Pos (deg)	Detector Type
1	19650.000	45.55	83.50	-37.95	46.33	-0.78	100	84	PK
* 2	26160.000	48.41	83.50	-35.09	44.55	3.86	100	126	PK

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	RC57	Site	CB7
Test Voltage	AC 120V/60Hz	Test Date	2021/8/28
Test Mode	Mode 1	Engineer	Sam Chen
Polarity	Vertical	Temperature (℃)	25
Test Condition	--	Humidity (%RH)	56



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	21360.000	45.88	83.50	-37.62	44.64	1.24	100	109	PK
* 2	25450.000	48.65	83.50	-34.85	44.63	4.02	100	-12	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.

4.6. Test Photograph

Test Mode : Mode 1

Description : Front View of Radiated Test

Test Mode : Mode 1

Description : Back View of Radiated Test

Test Mode : Mode 1

Description : Front View of High Frequency Radiated Test