FCC Test Report

Product Name	:	Consumer Home Router
Trade Name	:	Verizon
Model No.	:	CR1000A
FCC ID	:	NKR-LVSK-R2A
Applicant	:	Wistron NeWeb Corporation
Address	:	20 Park Ave. II, Hsinchu Science Park, Hsinchu 308, Taiwan
Date of Receipt	:	Aug. 03, 2021
Issued Date	:	Sep. 01, 2021
Report No.	:	2180114R-RFNAOTHV02-E
Report Version	:	V1.0

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 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.

The test results relate only to the samples tested.
The test report shall not be reproduced except in full without the written approval of DEKRA Testing and Certification Co., Ltd..

Test Report Certification

Product Name	:	Consumer Home Router
Applicant	:	Wistron NeWeb Corporation
Address	:	20 Park Ave. II, Hsinchu Science Park, Hsinchu 308, Taiwan
Manufacturer	:	Wistron NeWeb Corporation
Address	:	20 Park Ave. II, Hsinchu Science Park, Hsinchu 308, Taiwan
Trade Name	:	Verizon
Model No.	:	CR1000A
FCC ID	:	NKR-LVSK-R2A
EUT Voltage	:	AC 100-120V, 50-60Hz
Testing Voltage	:	AC 120V/60Hz
Applicable Standard	:	FCC CFR Title 47 Part 15 Subpart E Section 15.407 ANSI C63.10: 2013
Laboratory Name	:	Hsin Chu Laboratory
Address	:	No.372-2, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County 310, Taiwan, R.O.C. TEL: +886-3-582-8001 / FAX: +886-3-582-8958
Test Result	:	Complied

Documented By : Carol Tsai

(Carol Tsai / Senior Engineering Adm. Specialist)

Approved By : Louis Hsu

(Louis Hsu / Deputy Manager)

The test results relate only to the samples tested.
The test report shall not be reproduced except in full without the written approval of DEKRA Testing and Certification Co., Ltd.

Revision History

Version	Description	Issued Date
V1.0	Initial issue of report	Sep. 01, 2021

TABLE OF CONTENTS

Description **Page**

1. Summary of Reference Test Data

1.1. Introduction

This device has the same WiFi hardware design and software (include DFS F/W) with FCC ID: NKR-LVSK-R2. According to KDB 484596 D01v01, the FCC Part 15C (equipment class: DTS) and FCC Part 15E (equipment class: NII, 6ID) reuse the original test result of FCC ID: NKR-LVSK-R2 and perform spot-check.

The applicant takes full responsibility that the test data as referenced in this report represent compliance for the FCC ID: NKR-LVSK-R2A.

1.2. Difference Description

The original FCC ID: NKR-LVSK-R2 supports BLE function, and the new FCC ID: NKR-LVSK-R2A disable BLE function by removing BLE components and antenna.

1.3. Spot Check Verification Data Section

The radiated emission and radiated emission band edge tests were performed according to the worst result of FCC ID: NKR-LVSK-R2. After evaluation and verification, this change does not affect RF characteristic. Therefore, re-use test data which has been recorded in Test Report of FCC ID: NKR-LVSK-R2 (DEKRA Report No.: 20A0549R-E3032110126-B).

1.4. Reference Section

Rule Part	Operating Frequency (MHz)	New FCC ID	Reference Original FCC ID	Reference Exhibit Type
15E (6ID)	6115~7095	NKR-LVSK-R2A	NKR-LVSK-R2	RF Test Report_6E (Report No.: 20A0549R-E3032110126-B)

Comparison Table (The worst case)				
Test item	Band	Test Mode / Frequency (MHz)	Test Result	
			Original FCC ID	Current FCC ID
			Margin (dB)	Margin (dB)
Radidated Emission	UNII 5	11ax (HE160) / 6185	-20.88 (PK)	-20.65 (PK)
		11a / 6115	-9.64 (AV)	-8.72 (AV)
	UNII 6	11ax (HE20) / 6475	-29.95 (PK)	-31.63 (PK)
		11ax (HE160) / 6505	-31.32 (PK)	-27.45 (PK)
	UNII 7	11a / 6535	-29.64 (PK)	-29.88 (PK)
		11ax (HE160) / 6665	-11.44 (AV)	-11.41 (AV)
	UNII 8	11ax (HE40) / 7085	-30.94 (PK)	-30.56 (PK)
		11a / 6895	-31.25 (PK)	-30.57 (PK)
		11ax (HE160) / 6985	-29.87 (PK)	-29.97 (PK)
Radidated Emission Bandedge	UNII 5	11ax (HE160) / 6185	-22.32 (PK)	-26.94 (PK)
		11a / 6115	-31.17 (PK)	-31.53 (PK)
	UNII 6	11ax (HE20) / 6475	-29.95 (PK)	-31.63 (PK)
		11ax (HE160) / 6505	-31.32 (PK)	-27.45 (PK)
	UNII 7	11a / 6535	-29.64 (PK)	-29.88 (PK)
		11ax (HE160) / 6665	-11.44 (AV)	-11.41 (AV)
	UNII 8	11ax (HE40) / 7085	-20.56 (PK)	-14.49 (PK)
		11a / 6895	-30.48 (PK)	-28.68 (PK)
		11ax (HE160) / 6985	-2.25 (PK)	-5.09 (AV)

2. General Information

2.1. EUT Description

Product Name	Consumer Home Router	
Trade Name	Verizon	
Model No.	CR1000A	
Frequency Range / Channel Number	IEEE 802.11a/ax (20MHz)	6115~7095MHz / 50 Channels
	IEEE 802.11ax (40MHz)	6125~7085MHz / 25 Channels
	IEEE 802.11ax (80MHz)	6145~7025MHz / 12 Channels
	IEEE 802.11ax (160MHz)	6185~6985Hz / 6 Channels
Type of Modulation	IEEE 802.11a	OFDM
	IEEE 802.11ax	OFDMA
Data Rate	IEEE 802.11a	6, 9, 18, 24, 36, 48, 54Mbps
	IEEE 802.11ax	Support a subset of the combination of GI, MCS 0~MCS 11 and bandwidth defined

The EUT can support beamforming function for 802.11n/ac/ax mode at WLAN 2.4GHz, WLAN 5GHz and WLAN 6GHz.

Accessories Information					
No.	Equipment	Trade Name	Model No.	Rating	Remark
1	Adapter	LUCENT TRANS	1A98-1250	INPUT: 100-120V~1.6A, 50-60Hz OUTPUT: DC 12.0V, 5.0A, 60W	With power cable : Non-Shielded, 1.8m
No.	Equipment	Description			
2	LAN Cable	Non-Shielded, 3m			

Antenna Information								
Ant.	Manufacturer	PN	Type	Connector	Antenna Gain (dBi)			
					U-NII 5	U-NII 6	U-NII 7	U-NII 8
0	WNC	Dual Ant1	Dipole Antenna	I-PEX	3.06	2.22	1.02	2.02
1		Dual Ant2		I-PEX	2.07	0.14	0.10	-0.93
2		Dual Ant3		I-PEX	2.38	0.86	0.59	0.08
3		Dual Ant4		I-PEX	0.58	-1.45	-0.13	2.01

Note:

Wi-Fi 6GHz has four antennas as below,

Ant_0 and Ant_2 are the same polarization antennas. (Horizontal)

Ant_1 and Ant_3 are the same polarization antennas. (Vertical)

(Ant_0+Ant_2) and (Ant_1+Ant_3) are the Cross-Polarized Pair Antenna.

The above antenna information is declared by the manufacturer.

Ant.	Directional Gain for Power (dBi)				Directional Gain for PSD and Beamforming (dBi)			
	U-NII 5	U-NII 6	U-NII 7	U-NII 8	U-NII 5	U-NII 6	U-NII 7	U-NII 8
0~3	3.06	2.22	1.02	2.02	5.74	4.58	3.82	4.11

Note:

According to the KDB 662911 D01 v02r01,

1. Directional Gain for Power

   Directional gain = G_{ANT} + Array Gain

   Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$

   Directional gain = $G_{ANT(highest)}$

2. Directional Gain for PSD and Beamforming

   Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20})^2$ / N_{ANT}] dBi

Antenna	Directional gain (dBi)			
	U-NII 5	U-NII 6	U-NII 7	U-NII 8
Ant_0 & Ant_2	5.74	4.58	3.82	4.11
Ant_1 & Ant_3	4.37	2.39	3.00	3.67

For IEEE 802.11a/ax Mode: (4TX, 4RX)

Both Ant. 0~Ant. 3 can be used as transmitting/receiving antennas, and they can transmit/receive signal simultaneously.

IEEE 802.11a/ax (20MHz)

Working Frequency of Each Channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
33	6115MHz	37	6135MHz	41	6155MHz	45	6175MHz
49	6195MHz	53	6215MHz	57	6235MHz	61	6255MHz
65	6275MHz	69	6295MHz	73	6315MHz	77	6335MHz
81	6355MHz	85	6375MHz	89	6395MHz	93	6415MHz
97	6435MHz	101	6455MHz	105	6475MHz	109	6495MHz
113	6515MHz	117	6535MHz	121	6555MHz	125	6575MHz
129	6595MHz	133	6615MHz	137	6635MHz	141	6655MHz
145	6675MHz	149	6695MHz	153	6715MHz	157	6735MHz
161	6755MHz	165	6775MHz	169	6795MHz	173	6815MHz
177	6835MHz	181	6855MHz	185	6875MHz	189	6895MHz
193	6915MHz	197	6935MHz	201	6955MHz	205	6975MHz
209	6995MHz	213	7015MHz	217	7035MHz	221	7055MHz
225	7075MHz	229	7095MHz	-	-	-	-

IEEE 802.11ax (40MHz)

Working Frequency of Each Channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
35	6125MHz	43	6165MHz	51	6205MHz	59	6245MHz
67	6285MHz	75	6325MHz	83	6365MHz	91	6405MHz
99	6445MHz	107	6485MHz	115	6525MHz	123	6565MHz
131	6605MHz	139	6645MHz	147	6685MHz	155	6725MHz
163	6765MHz	171	6805MHz	179	6845MHz	187	6885MHz
195	6925MHz	203	6965MHz	211	7005MHz	219	7045MHz
227	7085MHz	-	-	-	-	-	-

IEEE 802.11ax (80MHz)

Working Frequency of Each Channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
39	6145MHz	55	6225MHz	71	6305MHz	87	6385MHz
103	6465MHz	119	6545MHz	135	6625MHz	151	6705MHz
167	6785MHz	183	6865MHz	199	6945MHz	215	7025MHz

IEEE 802.11ax (160MHz)

Working Frequency of Each Channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
47	6185MHz	79	6345MHz	111	6505MHz	143	6665MHz
175	6825MHz	207	6985MHz	-	-	-	-

Note: The above EUT information is declared by the manufacturer.

2.2. Test Mode

DEKRA has verified the construction and function in typical operation. The preliminary tests were performed in different data rate, and to find the worst condition, which was shown in this test report. The following table is the final test mode.

Test Items	Modulation	Channel	Antenna	Result
Radiated Emission Below 1GHz	11ax (160MHz)	207	0+1+2+3	Pass
Radiated Emission Above 1GHz	11a	33/117/189	0+1+2+3	Pass
	11ax (20MHz)	105	0+1+2+3	Pass
	11ax (40MHz)	227	0+1+2+3	Pass
	11ax (160MHz)	47/111/143/207	0+1+2+3	Pass
Radiated Emission Band Edge	11a	33/189	0+1+2+3	Pass
	11ax (40MHz)	227	0+1+2+3	Pass
	11ax (160MHz)	47/207	0+1+2+3	Pass

Note:

1. Determining compliance shall be based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.
2. The worst case of data rate for 802.11a is 6 Mbps, for 802.11ax (20MHz)/802.11ax (40MHz)/802.11ax (80MHz)/802.11ax (160MHz) are MCS 0, Nss1.
3. The radiated emission and radiated emission band edge tests were performed according to the worst result of FCC ID: NKR-LVSK-R2.

2.3. Comments and Remarks

The product specification and testing instructions for the EUT declared in the report are provided by the manufacturer who will take all responsibilities for the accuracy.

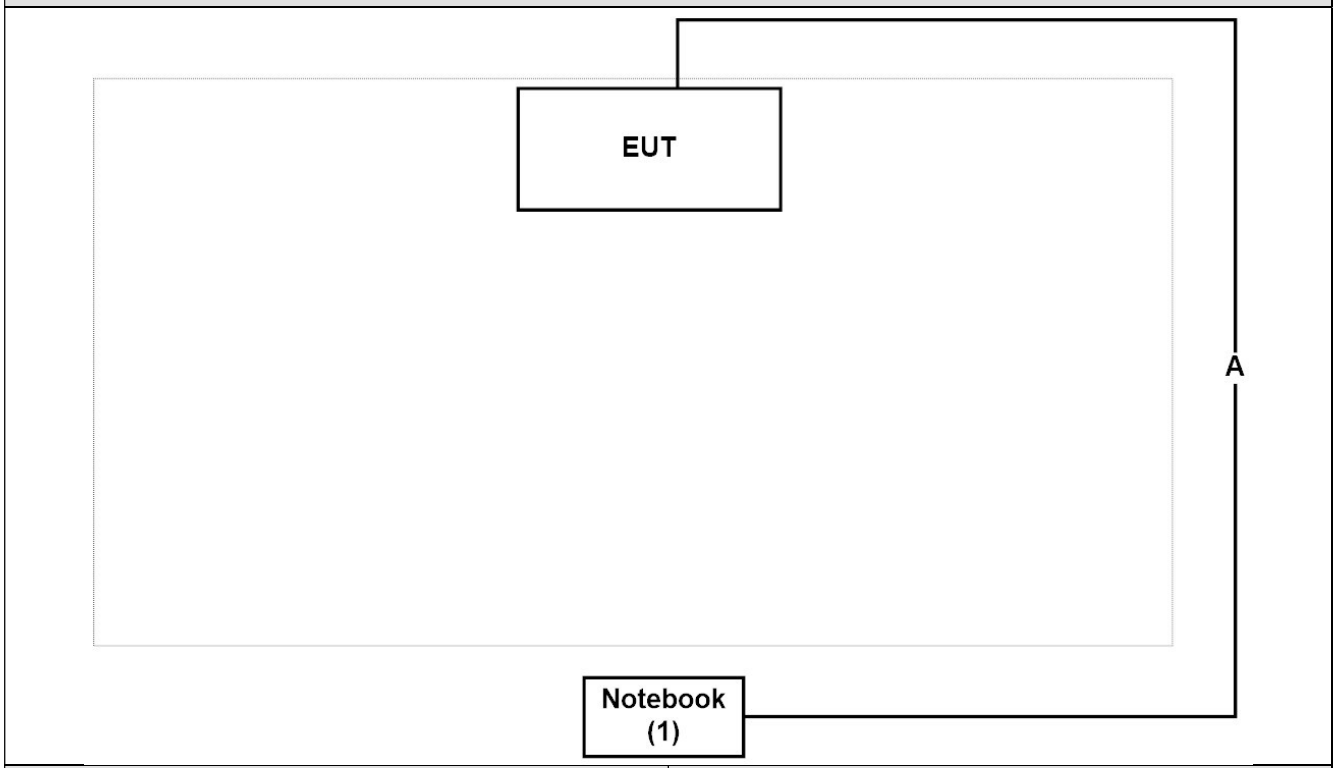
2.4. Tested System Details

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.	FCC ID	Power Cord
1	Notebook	Dell	Latitude E6320	8611271467	DoC	Non-Shielded, 1.8m

2.5. Configuration of tested System

Connection Diagram



Signal Cable Type		Signal cable Description
A	Ethernet Cable	Non-Shielded, 10m

2.6. Operation Descriptions

1	Set the EUT as shown in Section 2.5.
2	Execute control command by software QRCT and QDART.
3	Configure test mode, test channel and data rate.
4	Let the EUT start transmitting signal continuously.
5	Verify that device is working properly.

2.7. Test Facility

Ambient conditions in the laboratory:

Items	Test Item	Actually	Tested by	Test Date	Test Site
Temperature (°C)	Radiated Emission	24.5	Cyril Chen, Elwin Lin	2021/8/18	CB4-H
Humidity (%RH)		58.0			
Temperature (°C)	Radiated Emission Band Edge	24.5	Elwin Lin	2021/8/18	CB4-H
Humidity (%RH)		58.0			

Note: Test site information refers to Laboratory Information.

USA	:	**FCC Registration Number: TW3024**
Canada	:	**CAB identifier : TW3024**

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

If you have any comments, please don't hesitate to contact us. Our test sites as below:

Test Laboratory	DEKRA Testing and Certification Co., Ltd.
Address	1. No.372-2, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County 31061, Taiwan, R.O.C. 2. No.372, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County 31061, Taiwan, R.O.C.
Phone number	1. +886-3-582-8001 2. +886-3-582-8001
Fax number	1. +886-3-582-8958 2. +886-3-582-8958
E mail address	info.tw@dekra.com
Website	http://www.dekra.com.tw
Note: Test site number for address 1 includes SR2-H. Test site number for address 2 includes CB2-H, CB3-H, CB4-H, SR10-H and SR12-H.	

2.8. List of Test Equipment

CB4-H

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Signal Analyzer	R&S	FSVA40	101455	2020/10/12	2021/10/11
Signal & Spectrum Analyzer	R&S	FSV40	101049	2021/03/31	2022/03/30
Signal Analyzer	R&S	FSVA40	101435	2021/06/04	2022/06/03
EXA Signal Analyzer	Keysight	N9010A	MY51440132	2021/01/25	2022/01/24
Trilog Broadband Antenna	Schwarzbeck	VULB 9168	1209	2021/05/28	2022/05/27
Horn Antenna	Schwarzbeck	BBHA 9120D	01640	2020/09/17	2021/09/16
Horn Antenna	Schwarzbeck	BBHA 9170	203	2021/03/11	2022/03/10
Pre-Amplifier	EMCI	EMC01820I	980364	2020/09/14	2021/09/13
Pre-Amplifier	EMCI	EMC0031835	980233	2020/12/07	2021/12/06
Pre-Amplifier	DEKRA	AP-400C	201801231	2020/11/16	2021/11/15
Wideband Radio Communication Tester	R&S	CMW500	106071	2021/01/27	2022/01/26
Wireless Conn. Tseter	R&S	CMW500	157118	2021/07/07	2022/07/06
Coaxial Cable(10m)	Suhner	SF102_SF104	CB4-H	2021/08/09	2022/08/08
DEKRA Testing System	DEKRA	Version 2.0	CB4-H	NA	NA

Note: All equipment upon which need to calibrated are with calibration period of 1 year.

2.9. Uncertainty

Uncertainties have been calculated according to the DEKRA internal document with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2).

Test Item	Uncertainty
Radiated Emission	± 3.40 dB below 1GHz ± 3.46 dB above 1GHz
Band Edge	± 3.40 dB below 1GHz ± 3.46 dB above 1GHz

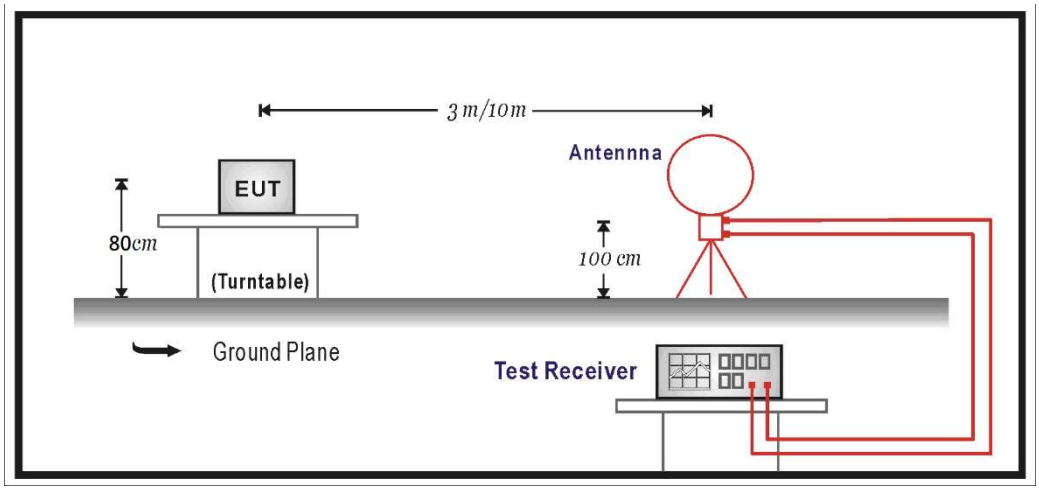
3. Antenna Requirements

According to FCC 47CFR 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

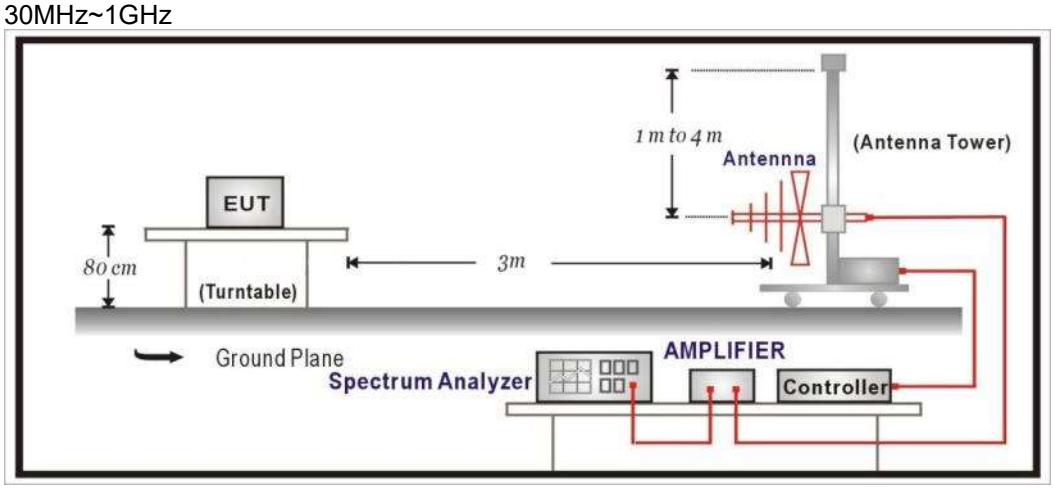
4. Radiated Emission

4.1. Test Setup

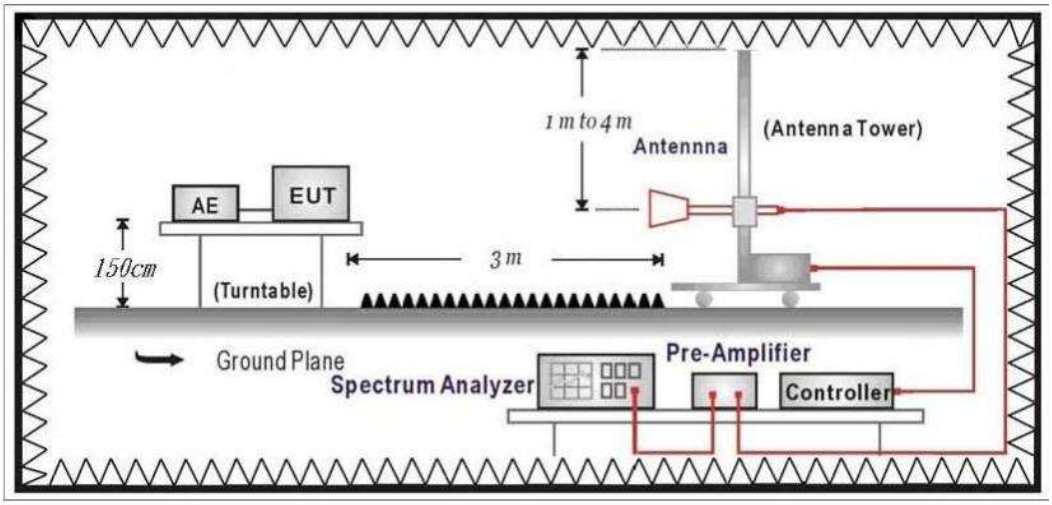
9kHz~30MHz



30MHz~1GHz



Above 1GHz



4.2. Test Limit

General Radiated Emission Test Limit

The provisions of Section 15.205 of this part apply to intentional radiators operating under this section. Radiated emissions which fall in the restricted bands, as defined in Section 15.205, must also comply with the radiated emission limit specified in Section 15.209:

FCC CFR Title 47 Part 15 Subpart C Paragraph 15.209 Test Limit		
Frequency MHz	uV/m @3m	dBuV/m@3m
30 - 88	100	40
88 - 216	150	43.5
216 - 960	200	46
Above 960	500	54

Remark:

1. RF Voltage (dBuV) = 20 log RF Voltage (uV)
2. In the Above Table, the tighter limit applies at the band edges.
3. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

Unwanted Emission out of the restricted bands Test Limit

FCC CFR Title 47 Part 15 Subpart E Paragraph 15.407(b) Test Limit		
Frequency (MHz)	EIRP Limit (dBm/MHz)	Equivalent Field Strength (dBuV/m@3m)
5925 MHz > F 7125 MHz	Peak: -7	88.2
	Average: -27	68.2

Remark:

The following for mula is used to convert the equipment isotropic radiated power (eirp) to field strength:

E = $\frac{1000000\sqrt{30P}}{3}$ uV/m, where P is the eirp (Watts).

4.3. Test Procedure

The EUT and its simulators are placed on a turn table which is 0.8 or 1.5 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.

The antenna 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 according to ANSI C63.10: 2013 on radiated measurement.

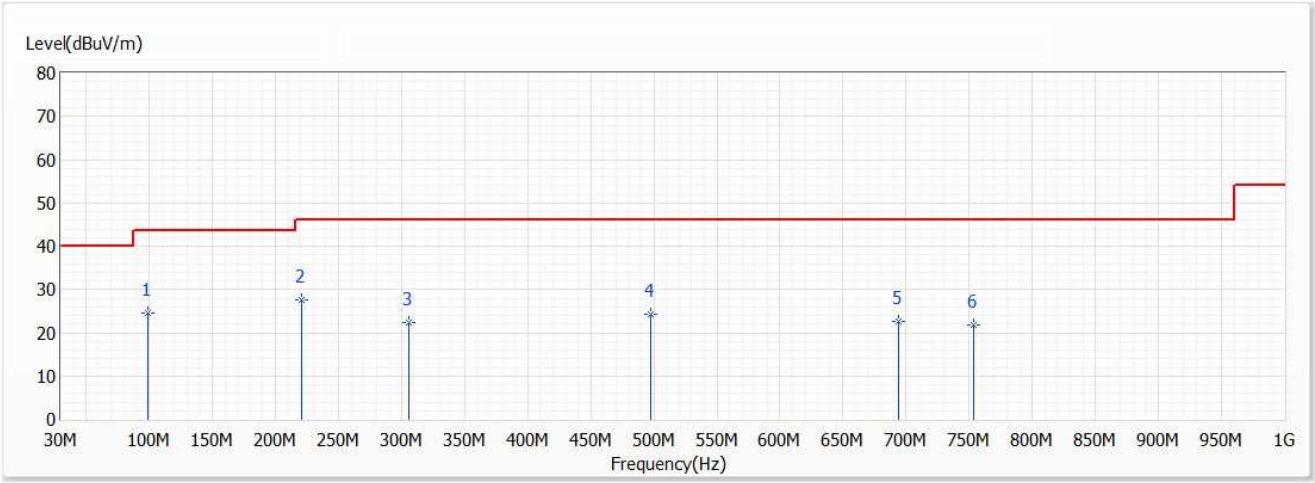
The additional latch filter below 1GHz was used to measure the level of harmonics radiated emission during field dtrength of harmonics measurement.

The bandwidth below 1GHz setting on the field strength meter is 120 KHz, above 1GHz are 1 MHz.

The frequency range from 30MHz to 10th harmonics and included The frequency range from the lowest oscillator frequency generated within the device up to the 10th harmonic was checked is checked.

4.4. Test Result of Radiated Emissions (30MHz~1GHz)

Model No	CR1000A	Site	CB4-H
Test Voltage	AC120V/60Hz	Test Date	2021/8/18
Test Mode	Mode 1: Transmit	Engineer	Cyril Chen
Polarity	Horizontal	Temperature (℃)	24.5
Test Condition	CDD,802.11ax,Ant0+1+2+3,Ch207,6.985G,BW160M	Humidity (%RH)	58.0

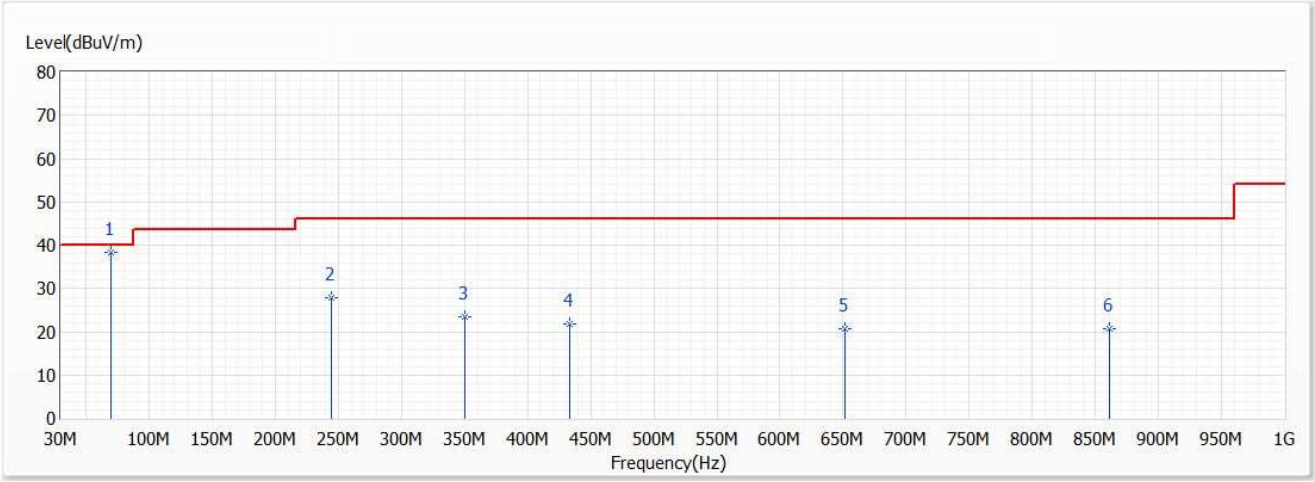


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	98.870	24.63	43.50	-18.87	17.81	6.82	QP
* 2	220.605	27.47	46.00	-18.53	20.37	7.10	QP
3	305.480	22.30	46.00	-23.70	14.89	7.41	QP
4	497.540	24.21	46.00	-21.79	16.14	8.07	QP
5	693.965	22.64	46.00	-23.36	13.89	8.75	QP
6	753.135	21.85	46.00	-24.15	12.90	8.95	QP

Note:

1. All reading levels is Quasi-Peak value.
2. " * ", means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor
4. The emission under 30MHz were not included is because their levels are lower than 20dB from limit.

Model No	CR1000A	Site	CB4-H
Test Voltage	AC120V/60Hz	Test Date	2021/8/18
Test Mode	Mode 1: Transmit	Engineer	Cyril Chen
Polarity	Vertical	Temperature (℃)	24.5
Test Condition	CDD,802.11ax,Ant0+1+2+3,Ch207,6.985G,BW160M	Humidity (%RH)	58.0



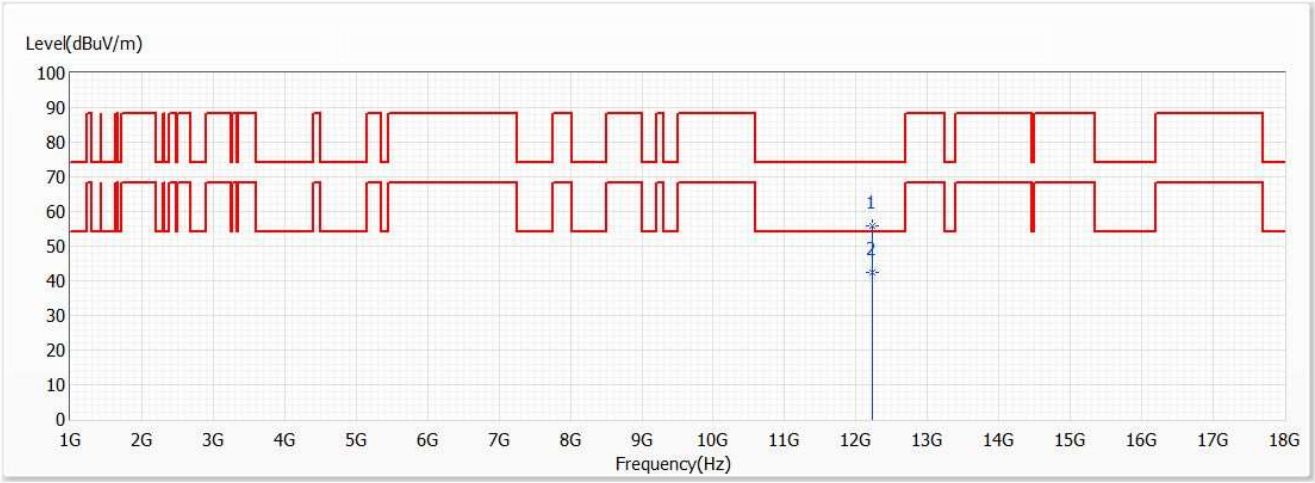
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	69.285	38.36	40.00	-1.64	31.58	6.78	QP
2	244.855	27.83	46.00	-18.17	20.63	7.20	QP
3	350.585	23.45	46.00	-22.55	15.88	7.57	QP
4	433.035	21.69	46.00	-24.31	13.84	7.85	QP
5	651.285	20.75	46.00	-25.25	12.13	8.62	QP
6	861.290	20.67	46.00	-25.33	11.36	9.31	QP

Note:

1. All reading levels is Quasi-Peak value.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor
4. The emission under 30MHz were not included is because their levels are lower than 20dB from limit.

4.5. Test Result of Radiated Emissions (Above 1GHz)

Model No	CR1000A	Site	CB4-H
Test Voltage	AC120V/60Hz	Test Date	2021/8/18
Test Mode	Mode 1: Transmit	Engineer	Elwin Lin
Polarity	Horizontal	Temperature (℃)	24.5
Test Condition	CDD,802.11a,Ant0+1+2+3,Ch33,6.115G,BW20M	Humidity (%RH)	58.0

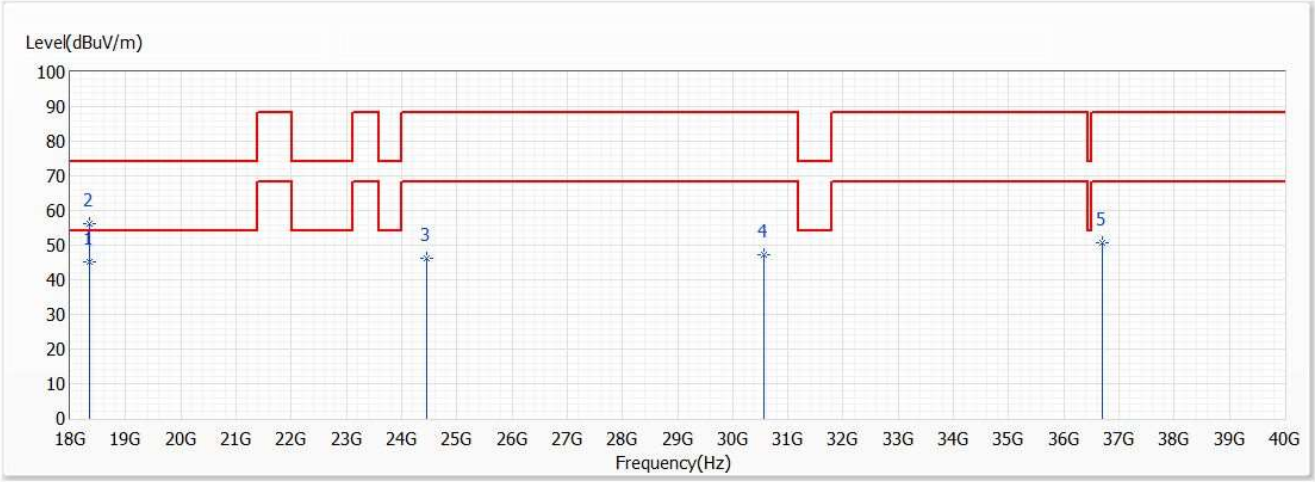


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	12230.000	55.80	74.00	-18.20	41.13	14.67	PK
* 2	12230.000	42.40	54.00	-11.60	27.73	14.67	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	CR1000A	Site	CB4-H
Test Voltage	AC120V/60Hz	Test Date	2021/8/18
Test Mode	Mode 1: Transmit	Engineer	Elwin Lin
Polarity	Horizontal	Temperature (℃)	24.5
Test Condition	CDD,802.11a,Ant0+1+2+3,Ch33,6.115G,BW20M	Humidity (%RH)	58.0

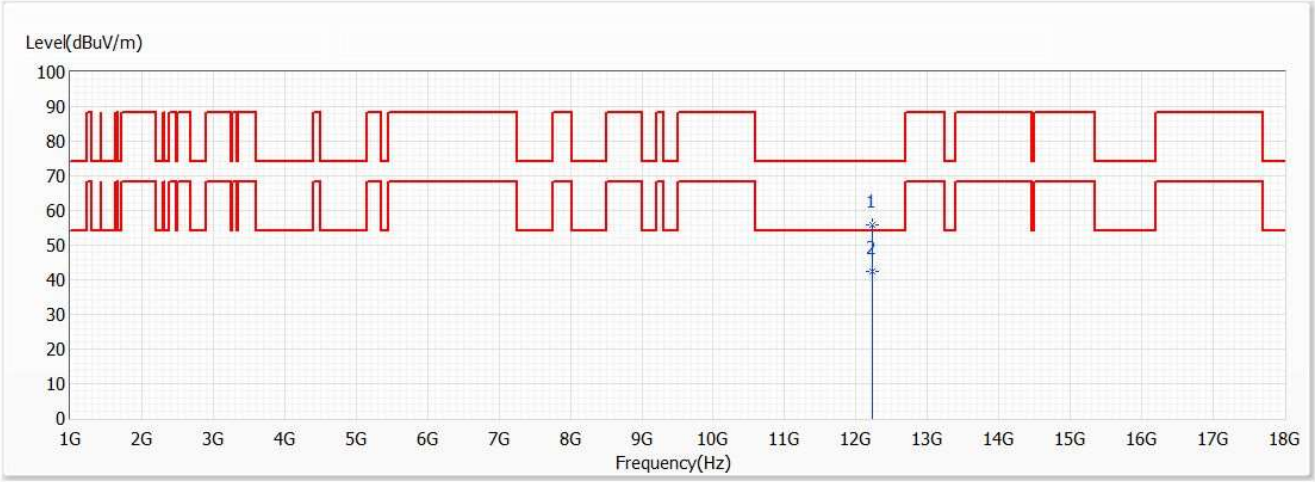


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	18345.000	45.28	54.00	-8.72	52.12	-6.84	AV
2	18345.000	56.19	74.00	-17.81	63.03	-6.84	PK
3	24460.000	46.37	88.20	-41.83	52.26	-5.89	PK
4	30575.000	47.11	88.20	-41.09	47.80	-0.69	PK
5	36690.000	50.64	88.20	-37.56	50.05	0.59	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	CR1000A	Site	CB4-H
Test Voltage	AC120V/60Hz	Test Date	2021/8/18
Test Mode	Mode 1: Transmit	Engineer	Elwin Lin
Polarity	Vertical	Temperature (℃)	24.5
Test Condition	CDD,802.11a,Ant0+1+2+3,Ch33,6.115G,BW20M	Humidity (%RH)	58.0

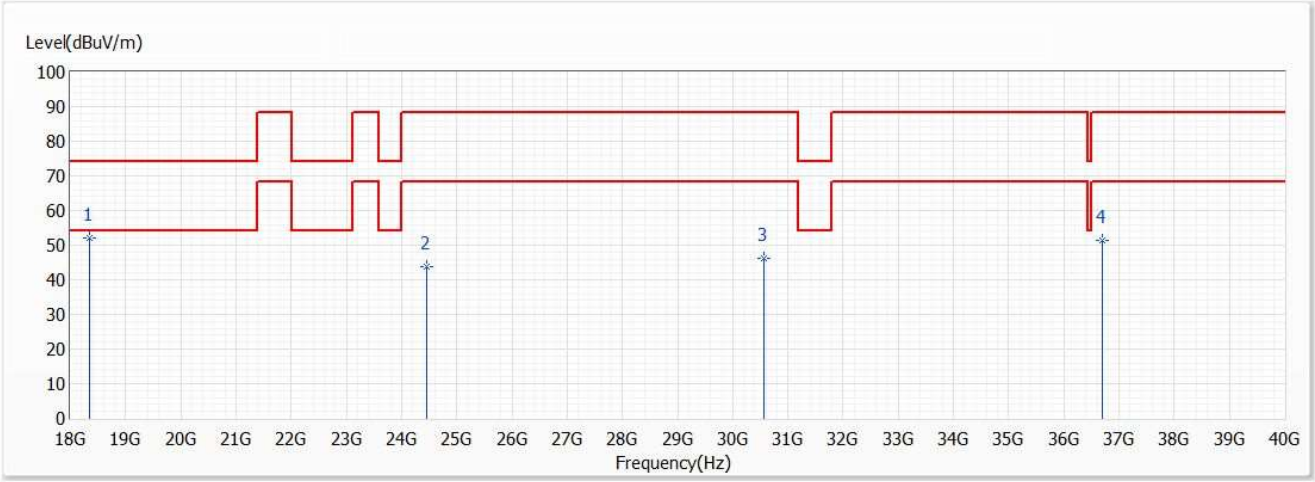


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	12230.000	55.71	74.00	-18.29	41.04	14.67	PK
* 2	12230.000	42.35	54.00	-11.65	27.68	14.67	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	CR1000A	Site	CB4-H
Test Voltage	AC120V/60Hz	Test Date	2021/8/18
Test Mode	Mode 1: Transmit	Engineer	Elwin Lin
Polarity	Vertical	Temperature (℃)	24.5
Test Condition	CDD,802.11a,Ant0+1+2+3,Ch33,6.115G,BW20M	Humidity (%RH)	58.0

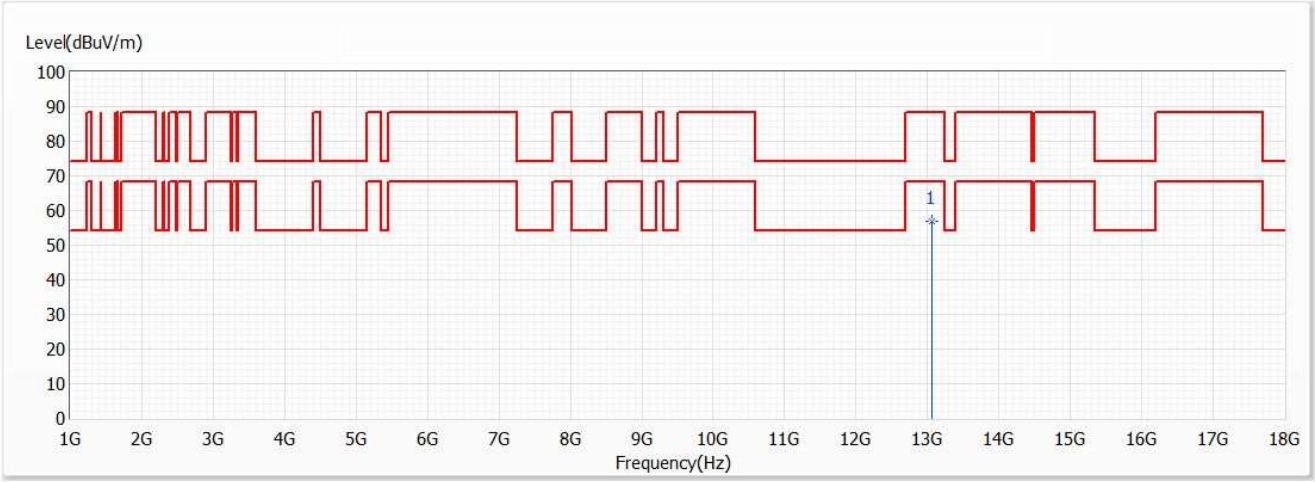


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	18345.000	51.98	74.00	-22.02	58.82	-6.84	PK
2	24460.000	43.86	88.20	-44.34	49.75	-5.89	PK
3	30575.000	46.37	88.20	-41.83	47.06	-0.69	PK
4	36690.000	51.55	88.20	-36.65	50.96	0.59	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	CR1000A	Site	CB4-H
Test Voltage	AC120V/60Hz	Test Date	2021/8/18
Test Mode	Mode 1: Transmit	Engineer	Elwin Lin
Polarity	Horizontal	Temperature (℃)	24.5
Test Condition	CDD,802.11a,Ant0+1+2+3,Ch117,6.535G,BW20M	Humidity (%RH)	58.0

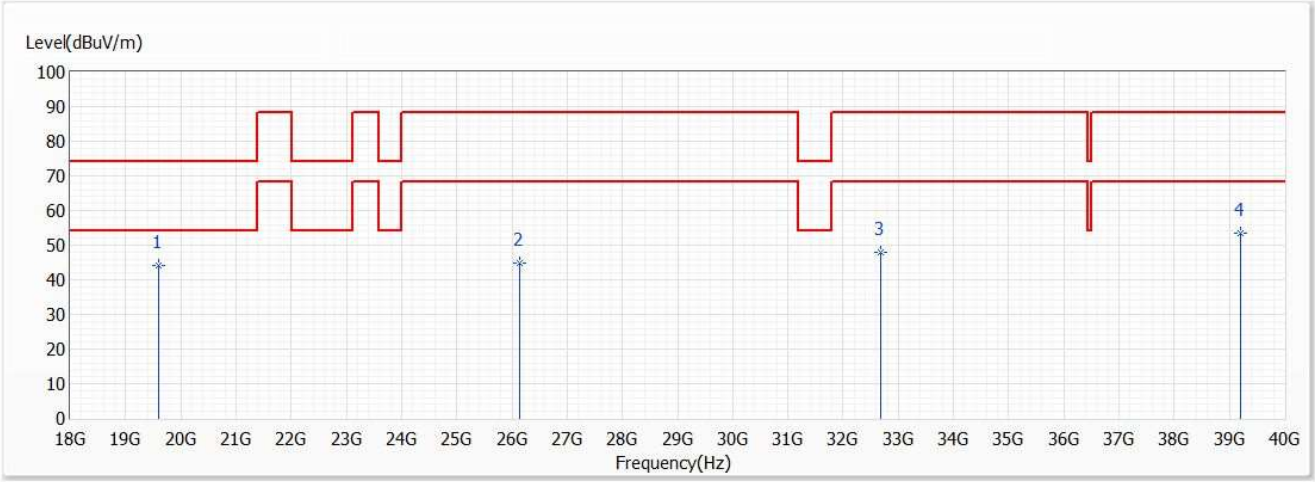


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	13070.000	57.06	88.20	-31.14	42.06	15.00	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	CR1000A	Site	CB4-H
Test Voltage	AC120V/60Hz	Test Date	2021/8/18
Test Mode	Mode 1: Transmit	Engineer	Elwin Lin
Polarity	Horizontal	Temperature (℃)	24.5
Test Condition	CDD,802.11a,Ant0+1+2+3,Ch117,6.535G,BW20M	Humidity (%RH)	58.0

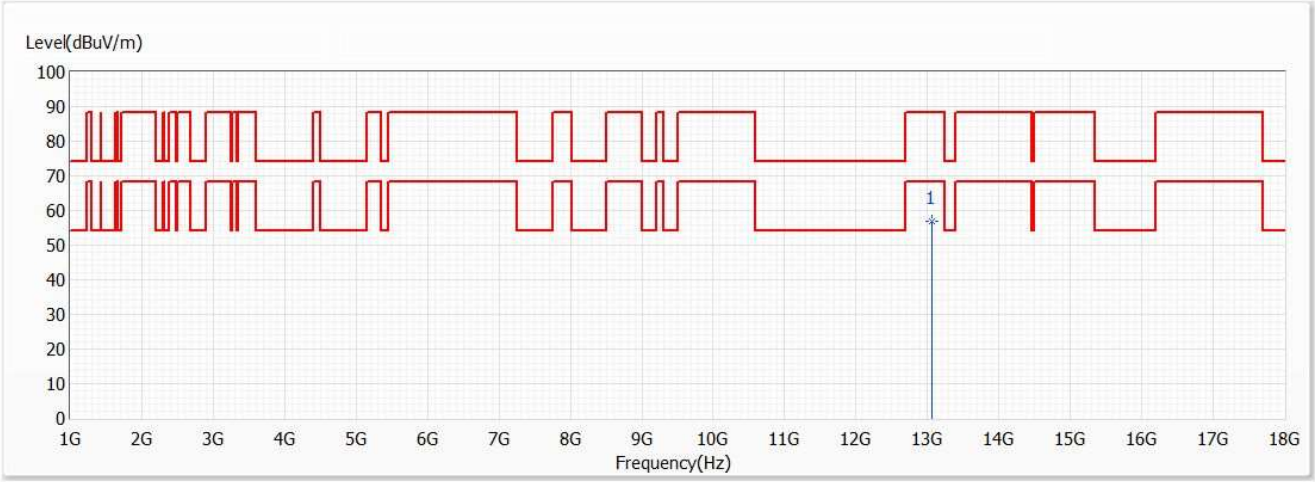


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	19605.000	44.12	74.00	-29.88	50.75	-6.63	PK
2	26140.000	44.68	88.20	-43.52	48.76	-4.08	PK
3	32675.000	47.80	88.20	-40.40	48.11	-0.31	PK
4	39210.000	53.48	88.20	-34.72	48.30	5.18	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	CR1000A	Site	CB4-H
Test Voltage	AC120V/60Hz	Test Date	2021/8/18
Test Mode	Mode 1: Transmit	Engineer	Elwin Lin
Polarity	Vertical	Temperature (℃)	24.5
Test Condition	CDD,802.11a,Ant0+1+2+3,Ch117,6.535G,BW20M	Humidity (%RH)	58.0

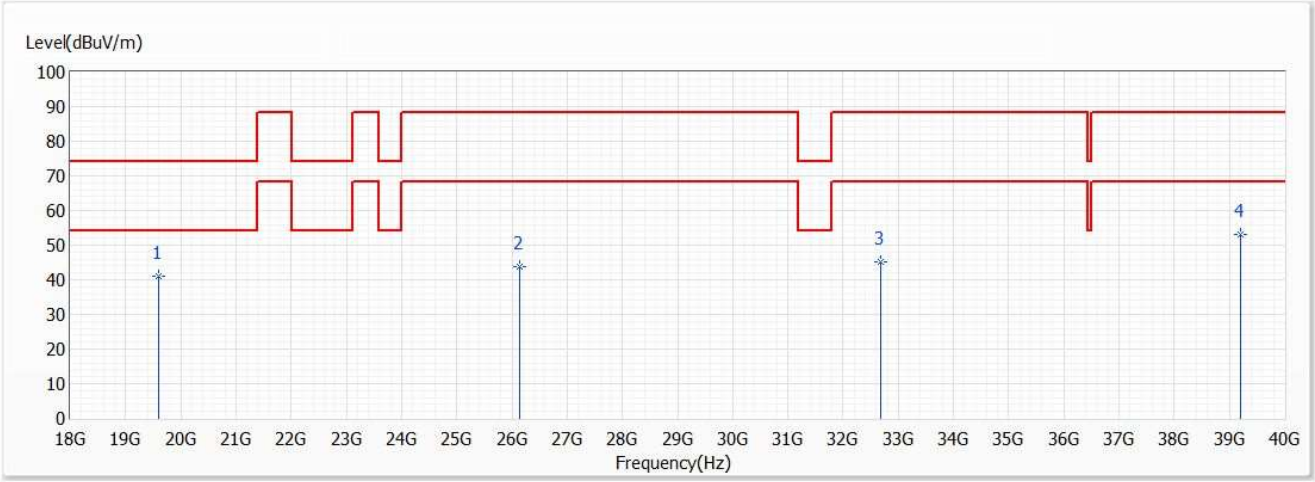


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	13070.000	56.77	88.20	-31.43	41.77	15.00	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	CR1000A	Site	CB4-H
Test Voltage	AC120V/60Hz	Test Date	2021/8/18
Test Mode	Mode 1: Transmit	Engineer	Elwin Lin
Polarity	Vertical	Temperature (℃)	24.5
Test Condition	CDD,802.11a,Ant0+1+2+3,Ch 117,6.535G,BW20M	Humidity (%RH)	58.0

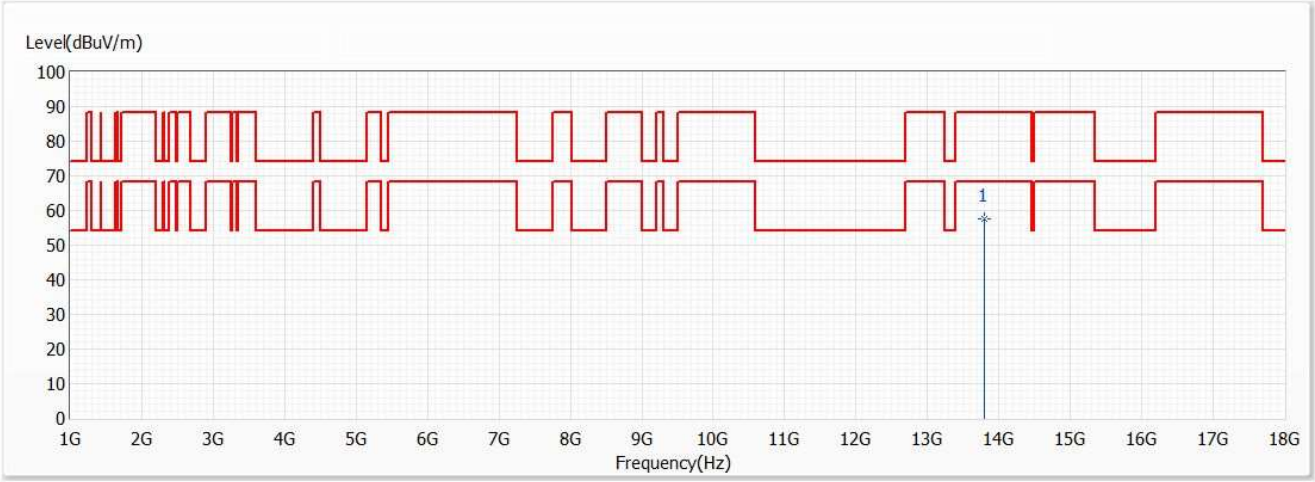


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	19605.000	40.96	74.00	-33.04	47.59	-6.63	PK
2	26140.000	43.65	88.20	-44.55	47.73	-4.08	PK
3	32675.000	45.17	88.20	-43.03	45.48	-0.31	PK
4	39210.000	53.18	88.20	-35.02	48.00	5.18	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	CR1000A	Site	CB4-H
Test Voltage	AC120V/60Hz	Test Date	2021/8/18
Test Mode	Mode 1: Transmit	Engineer	Elwin Lin
Polarity	Horizontal	Temperature (℃)	24.5
Test Condition	CDD,802.11a,Ant0+1+2+3,Ch 189,6.895G,BW20M	Humidity (%RH)	58.0

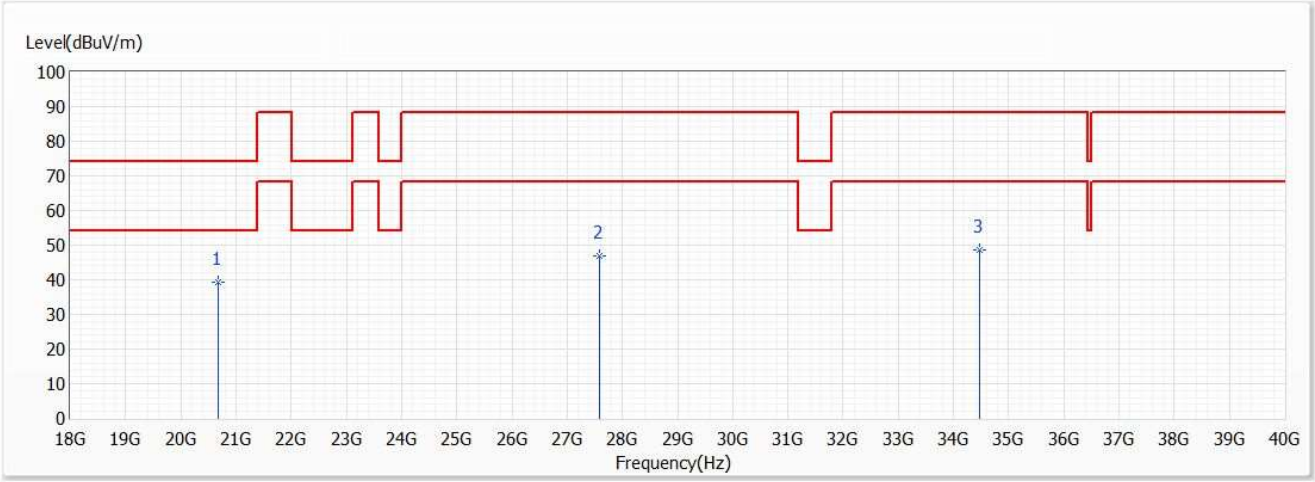


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	13790.000	57.63	88.20	-30.57	41.78	15.85	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	CR1000A	Site	CB4-H
Test Voltage	AC120V/60Hz	Test Date	2021/8/18
Test Mode	Mode 1: Transmit	Engineer	Elwin Lin
Polarity	Horizontal	Temperature (℃)	24.5
Test Condition	CDD,802.11a,Ant0+1+2+3,Ch 189,6.895G,BW20M	Humidity (%RH)	58.0

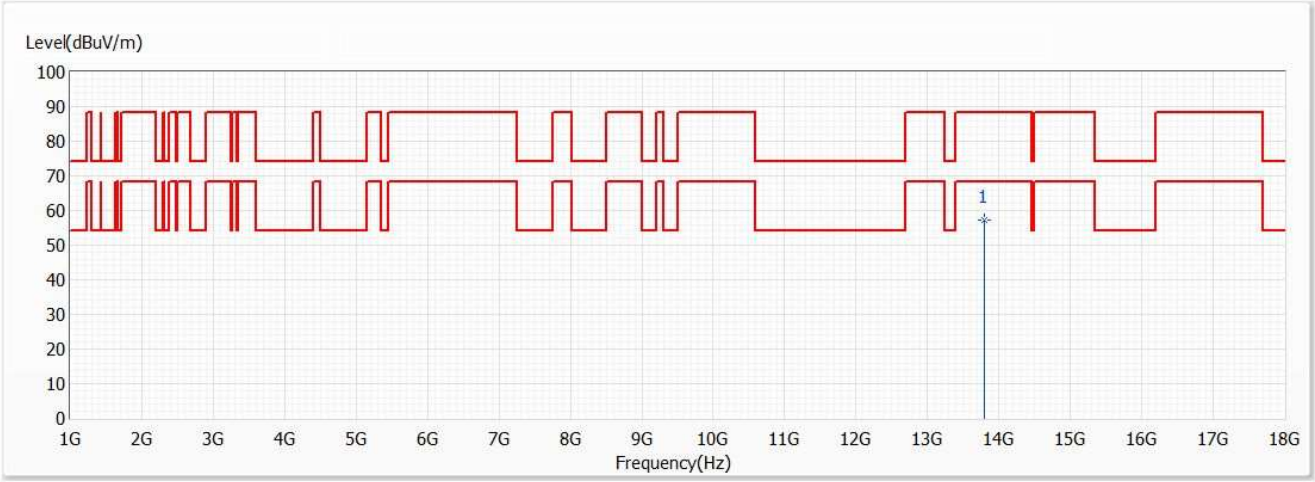


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	20685.000	39.42	74.00	-34.58	47.40	-7.98	PK
2	27580.000	46.91	88.20	-41.29	47.48	-0.57	PK
3	34475.000	48.50	88.20	-39.70	47.63	0.87	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	CR1000A	Site	CB4-H
Test Voltage	AC120V/60Hz	Test Date	2021/8/18
Test Mode	Mode 1: Transmit	Engineer	Elwin Lin
Polarity	Vertical	Temperature (℃)	24.5
Test Condition	CDD,802.11a,Ant0+1+2+3,Ch 189,6.895G,BW20M	Humidity (%RH)	58.0

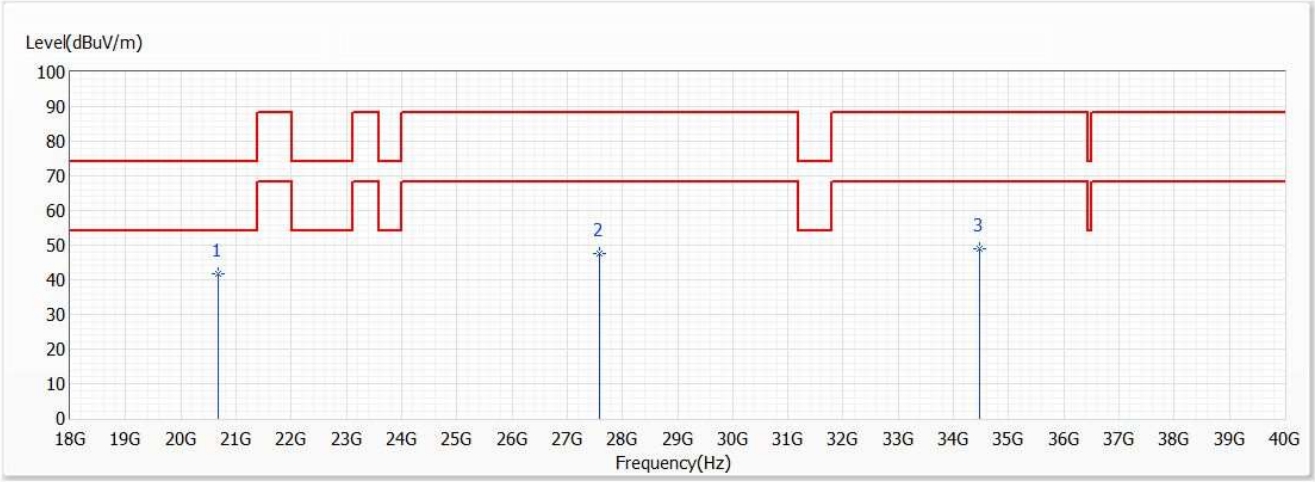


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	13790.000	57.30	88.20	-30.90	41.45	15.85	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	CR1000A	Site	CB4-H
Test Voltage	AC120V/60Hz	Test Date	2021/8/18
Test Mode	Mode 1: Transmit	Engineer	Elwin Lin
Polarity	Vertical	Temperature (℃)	24.5
Test Condition	CDD,802.11a,Ant0+1+2+3,Ch 189,6.895G,BW20M	Humidity (%RH)	58.0

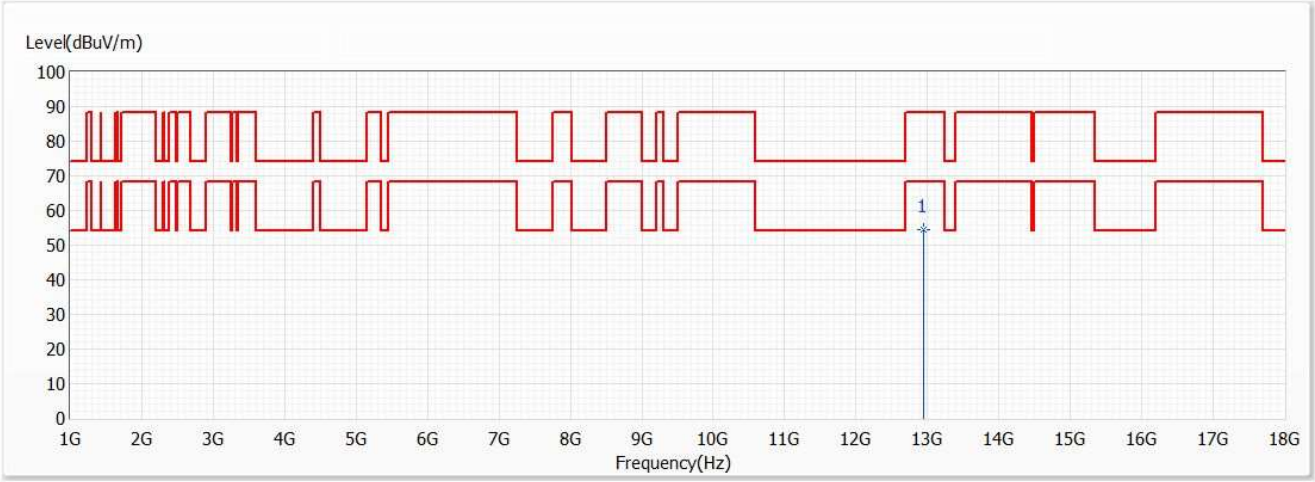


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	20685.000	41.69	74.00	-32.31	49.67	-7.98	PK
2	27580.000	47.68	88.20	-40.52	48.25	-0.57	PK
3	34475.000	48.95	88.20	-39.25	48.08	0.87	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	CR1000A	Site	CB4-H
Test Voltage	AC120V/60Hz	Test Date	2021/8/18
Test Mode	Mode 1: Transmit	Engineer	Elwin Lin
Polarity	Horizontal	Temperature (℃)	24.5
Test Condition	CDD,802.11ax,Ant0+1+2+3,Ch105,6.475G,BW20M	Humidity (%RH)	58.0

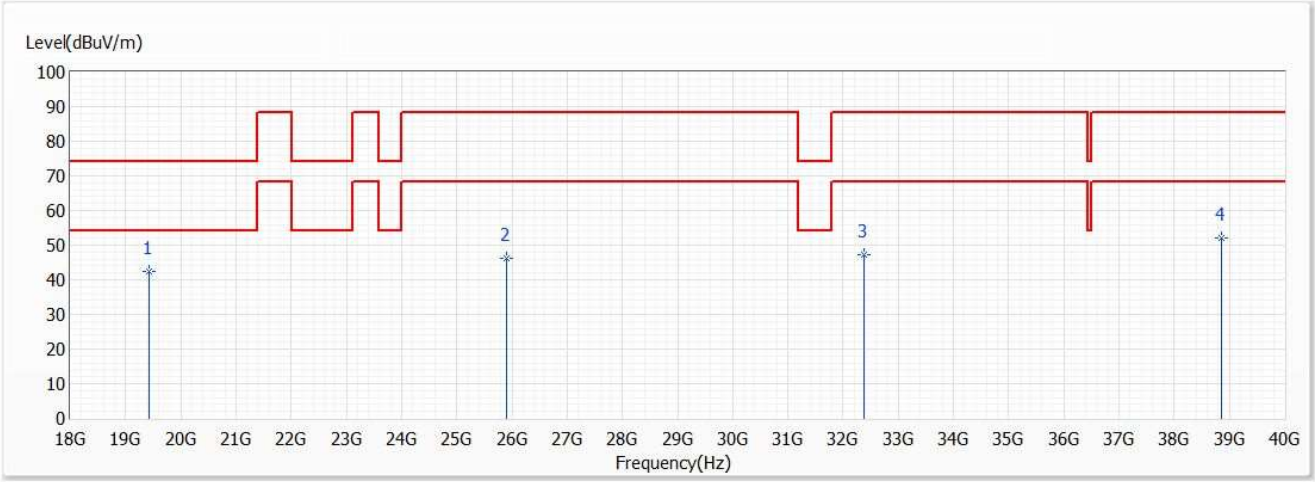


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	12950.000	54.49	88.20	-33.71	39.58	14.91	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	CR1000A	Site	CB4-H
Test Voltage	AC120V/60Hz	Test Date	2021/8/18
Test Mode	Mode 1: Transmit	Engineer	Elwin Lin
Polarity	Horizontal	Temperature (℃)	24.5
Test Condition	CDD,802.11ax,Ant0+1+2+3,Ch105,6.475G,BW20M	Humidity (%RH)	58.0

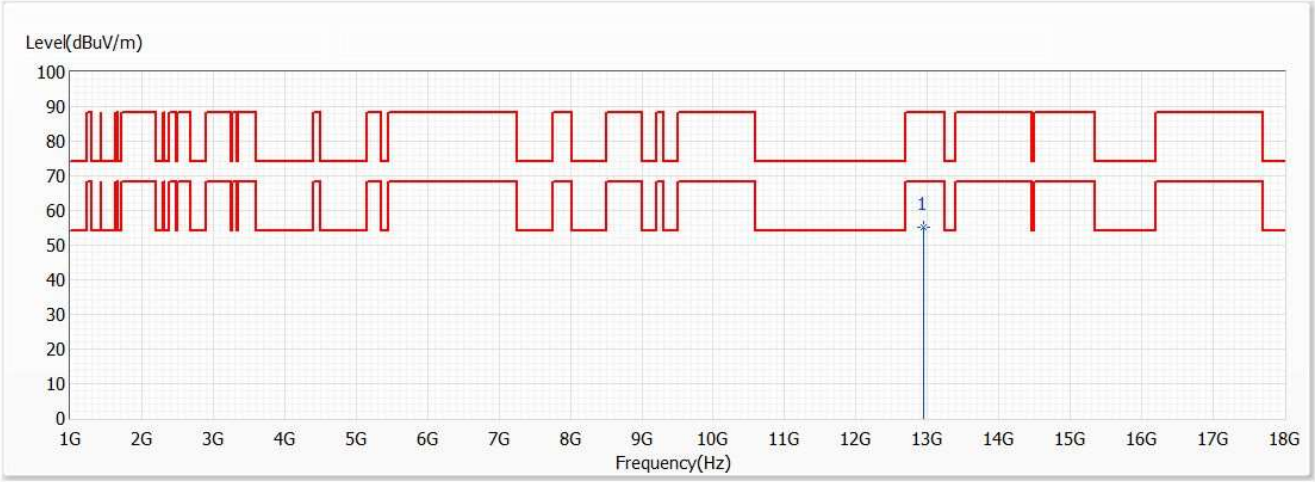


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	19425.000	42.37	74.00	-31.63	49.34	-6.97	PK
2	25900.000	46.09	88.20	-42.11	50.59	-4.50	PK
3	32375.000	47.23	88.20	-40.97	48.00	-0.77	PK
4	38850.000	51.92	88.20	-36.28	47.95	3.97	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	CR1000A	Site	CB4-H
Test Voltage	AC120V/60Hz	Test Date	2021/8/18
Test Mode	Mode 1: Transmit	Engineer	Elwin Lin
Polarity	Vertical	Temperature (℃)	24.5
Test Condition	CDD,802.11ax,Ant0+1+2+3,Ch105,6.475G,BW20M	Humidity (%RH)	58.0

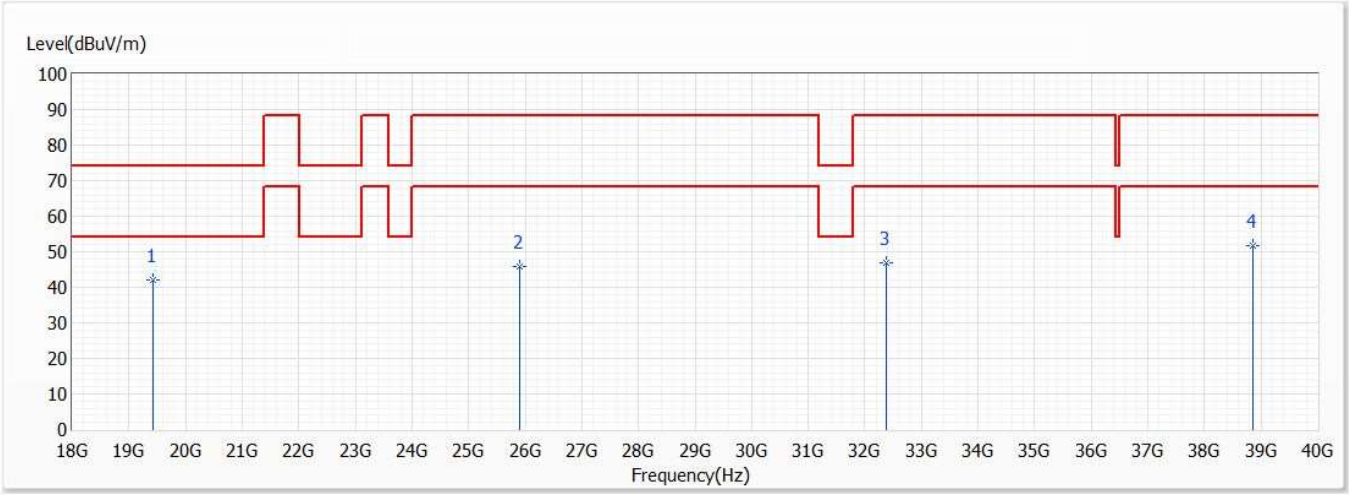


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	12950.000	55.01	88.20	-33.19	40.10	14.91	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	CR1000A	Site	CB4-H
Test Voltage	AC120V/60Hz	Test Date	2021/8/18
Test Mode	Mode 1: Transmit	Engineer	Elwin Lin
Polarity	Vertical	Temperature (℃)	24.5
Test Condition	CDD,802.11ax,Ant0+1+2+3,Ch 105,6.475G,BW20M	Humidity (%RH)	58.0

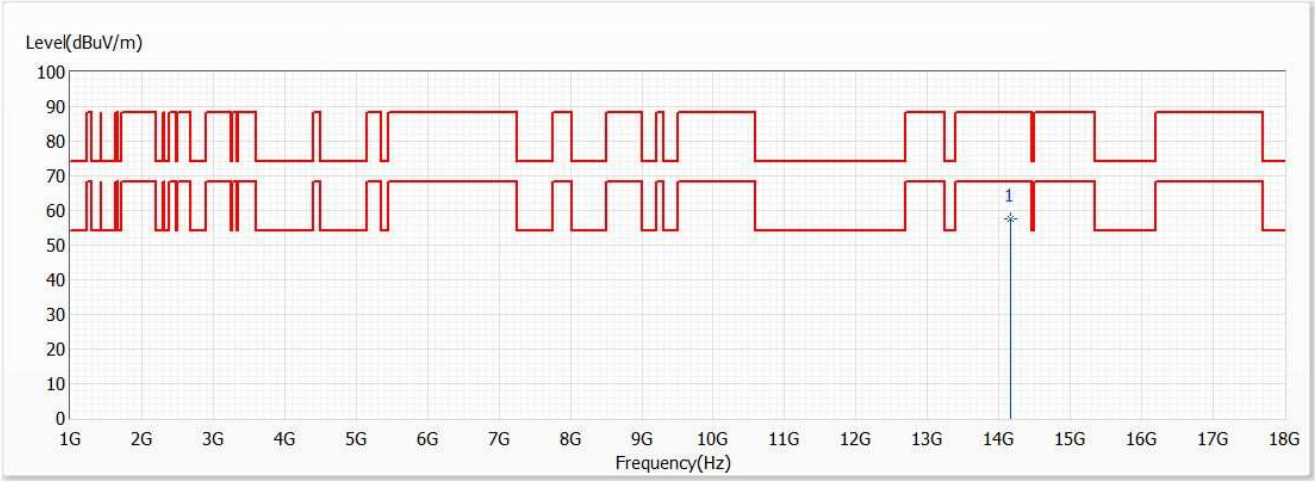


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	19425.000	41.93	74.00	-32.07	48.90	-6.97	PK
2	25900.000	45.77	88.20	-42.43	50.27	-4.50	PK
3	32375.000	46.95	88.20	-41.25	47.72	-0.77	PK
4	38850.000	51.85	88.20	-36.35	47.88	3.97	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	CR1000A	Site	CB4-H
Test Voltage	AC120V/60Hz	Test Date	2021/8/18
Test Mode	Mode 1: Transmit	Engineer	Elwin Lin
Polarity	Horizontal	Temperature (℃)	24.5
Test Condition	CDD,802.11ax,Ant0+1+2+3,Ch 227,7.085G,BW40M	Humidity (%RH)	58.0

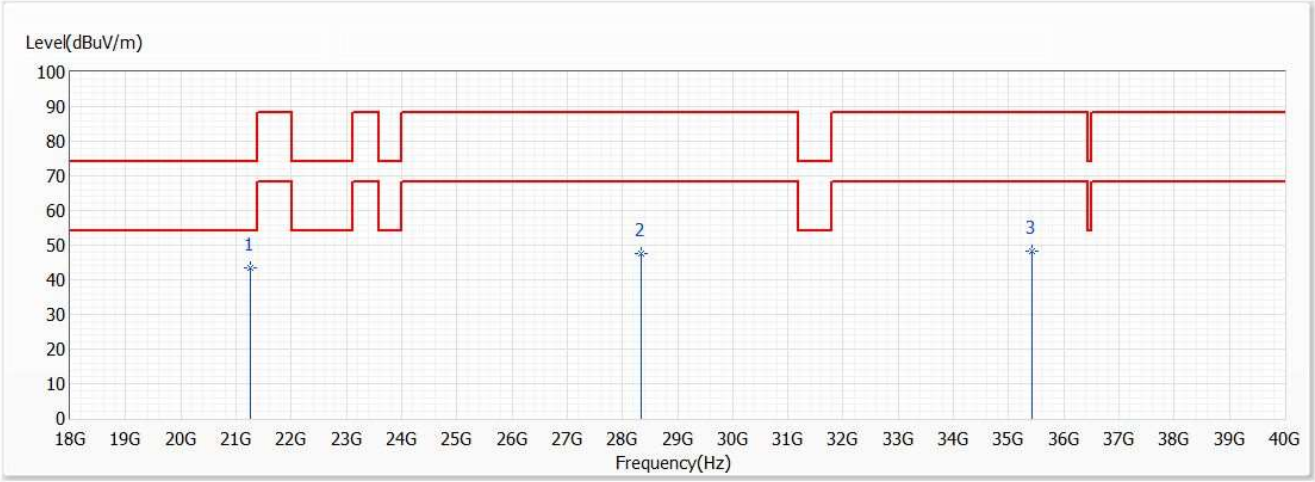


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	14170.000	57.64	88.20	-30.56	40.72	16.92	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	CR1000A	Site	CB4-H
Test Voltage	AC120V/60Hz	Test Date	2021/8/18
Test Mode	Mode 1: Transmit	Engineer	Elwin Lin
Polarity	Horizontal	Temperature (℃)	24.5
Test Condition	CDD,802.11ax,Ant0+1+2+3,Ch227,7.085G,BW40M	Humidity (%RH)	58.0

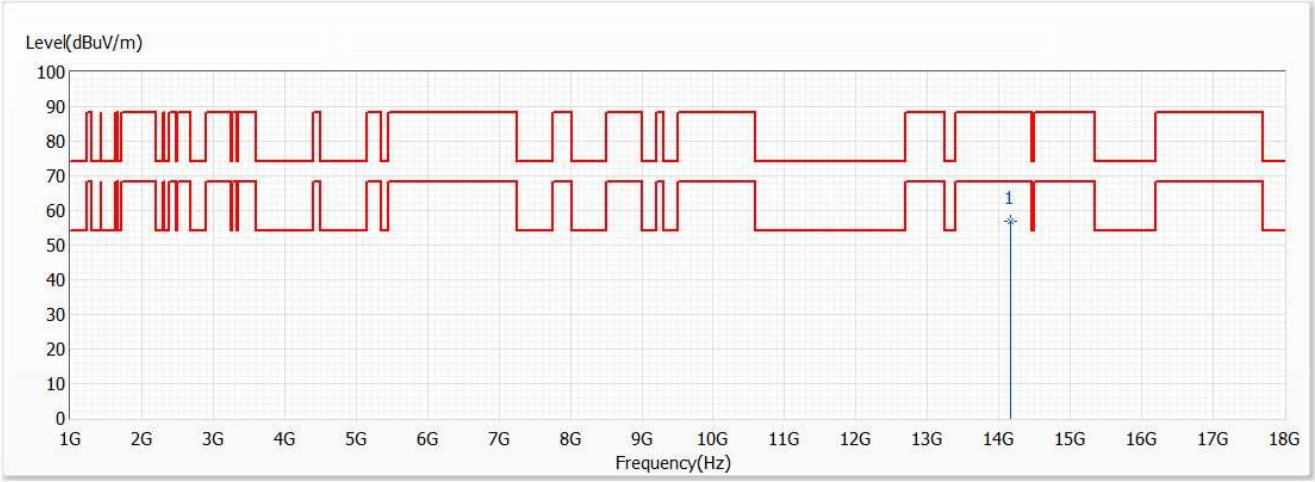


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	21255.000	43.36	74.00	-30.64	50.94	-7.58	PK
2	28340.000	47.62	88.20	-40.58	48.30	-0.68	PK
3	35425.000	48.17	88.20	-40.03	48.91	-0.74	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	CR1000A	Site	CB4-H
Test Voltage	AC120V/60Hz	Test Date	2021/8/18
Test Mode	Mode 1: Transmit	Engineer	Elwin Lin
Polarity	Vertical	Temperature (℃)	24.5
Test Condition	CDD,802.11ax,Ant0+1+2+3,Ch 227,7.085G,BW40M	Humidity (%RH)	58.0

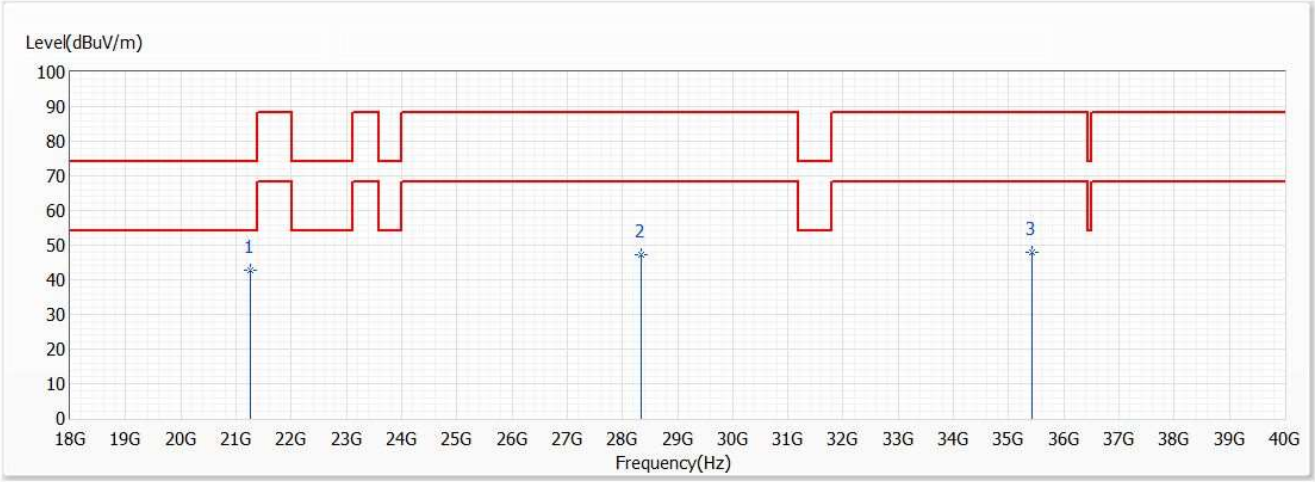


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	14170.000	56.98	88.20	-31.22	40.06	16.92	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	CR1000A	Site	CB4-H
Test Voltage	AC120V/60Hz	Test Date	2021/8/18
Test Mode	Mode 1: Transmit	Engineer	Elwin Lin
Polarity	Vertical	Temperature (℃)	24.5
Test Condition	CDD,802.11ax,Ant0+1+2+3,Ch 227,7.085G,BW40M	Humidity (%RH)	58.0

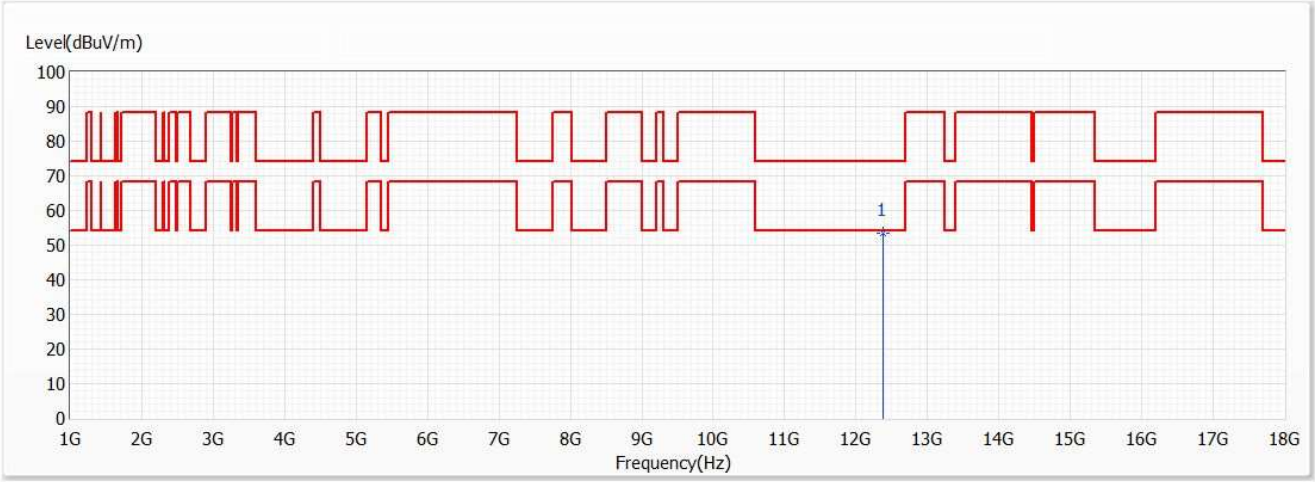


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	21255.000	42.67	74.00	-31.33	50.25	-7.58	PK
2	28340.000	47.20	88.20	-41.00	47.88	-0.68	PK
3	35425.000	47.83	88.20	-40.37	48.57	-0.74	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	CR1000A	Site	CB4-H
Test Voltage	AC120V/60Hz	Test Date	2021/8/18
Test Mode	Mode 1: Transmit	Engineer	Elwin Lin
Polarity	Horizontal	Temperature (℃)	24.5
Test Condition	CDD,802.11ax,Ant0+1+2+3,Ch 47,6.185G,BW160M	Humidity (%RH)	58.0

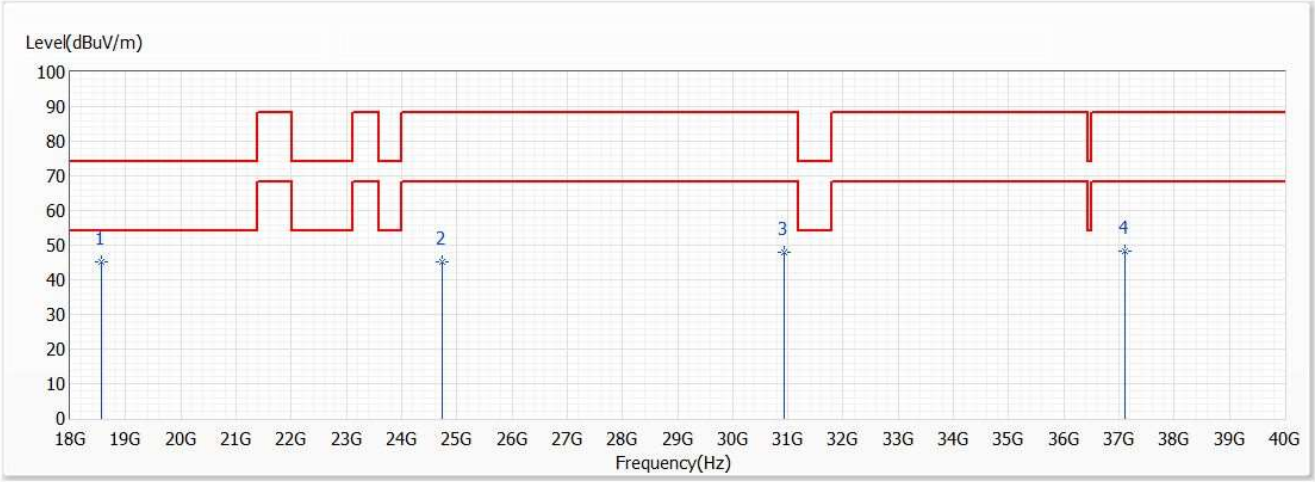


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	12370.000	53.35	74.00	-20.65	38.96	14.39	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	CR1000A	Site	CB4-H
Test Voltage	AC120V/60Hz	Test Date	2021/8/18
Test Mode	Mode 1: Transmit	Engineer	Elwin Lin
Polarity	Horizontal	Temperature (℃)	24.5
Test Condition	CDD,802.11ax,Ant0+1+2+3,Ch 47,6.185G,BW160M	Humidity (%RH)	58.0

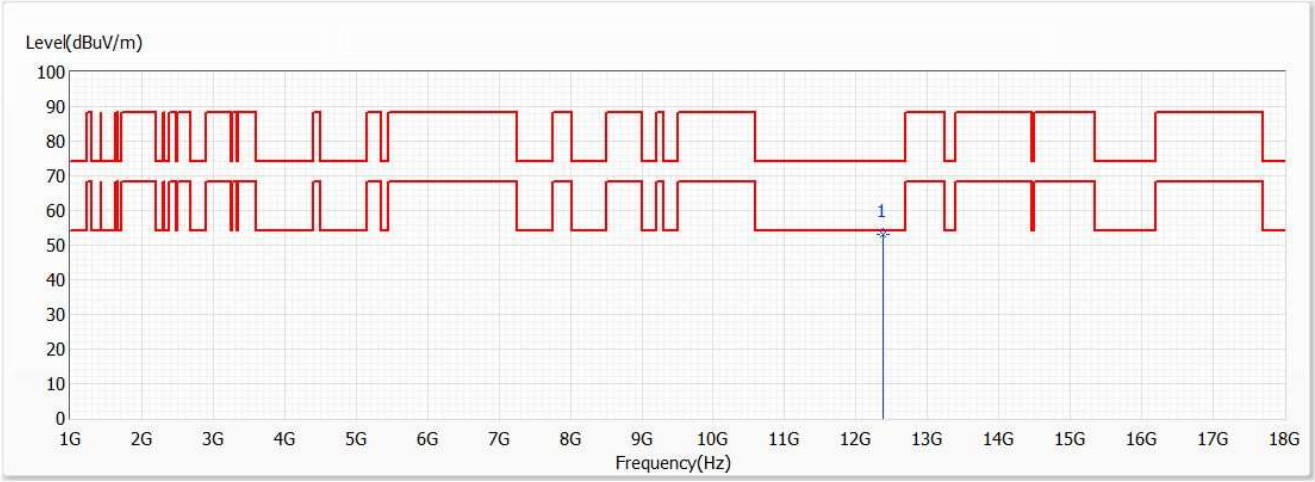


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	18555.000	45.12	74.00	-28.88	52.30	-7.18	PK
2	24740.000	45.29	88.20	-42.91	49.97	-4.68	PK
3	30925.000	47.86	88.20	-40.34	48.83	-0.97	PK
4	37110.000	48.12	88.20	-40.08	46.98	1.14	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	CR1000A	Site	CB4-H
Test Voltage	AC120V/60Hz	Test Date	2021/8/18
Test Mode	Mode 1: Transmit	Engineer	Elwin Lin
Polarity	Vertical	Temperature (℃)	24.5
Test Condition	CDD,802.11ax,Ant0+1+2+3,Ch 47,6.185G,BW160M	Humidity (%RH)	58.0

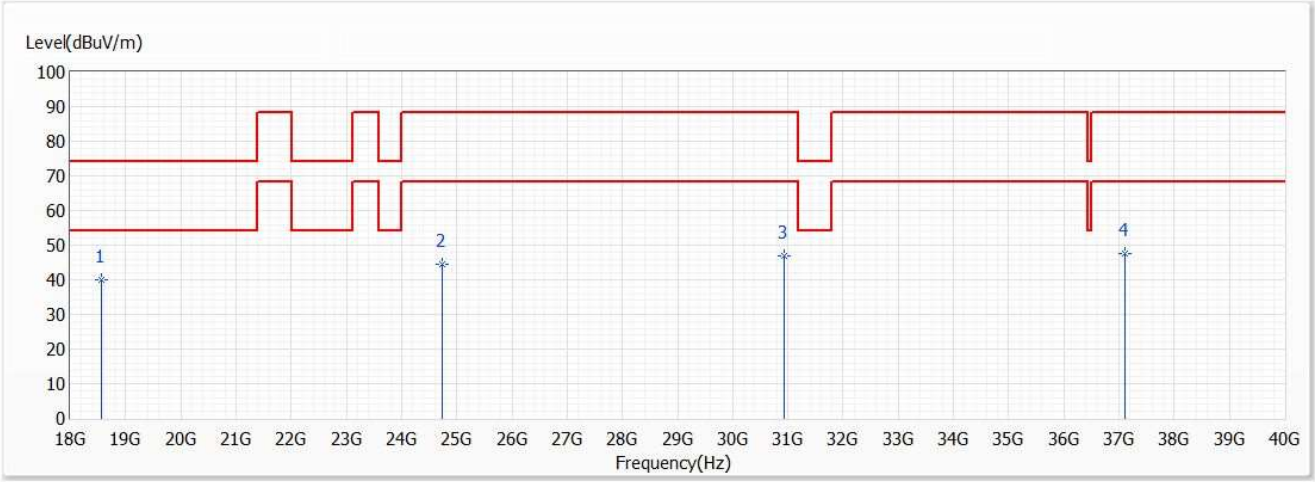


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	12370.000	53.12	74.00	-20.88	38.73	14.39	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	CR1000A	Site	CB4-H
Test Voltage	AC120V/60Hz	Test Date	2021/8/18
Test Mode	Mode 1: Transmit	Engineer	Elwin Lin
Polarity	Vertical	Temperature (℃)	24.5
Test Condition	CDD,802.11ax,Ant0+1+2+3,Ch 47,6.185G,BW160M	Humidity (%RH)	58.0

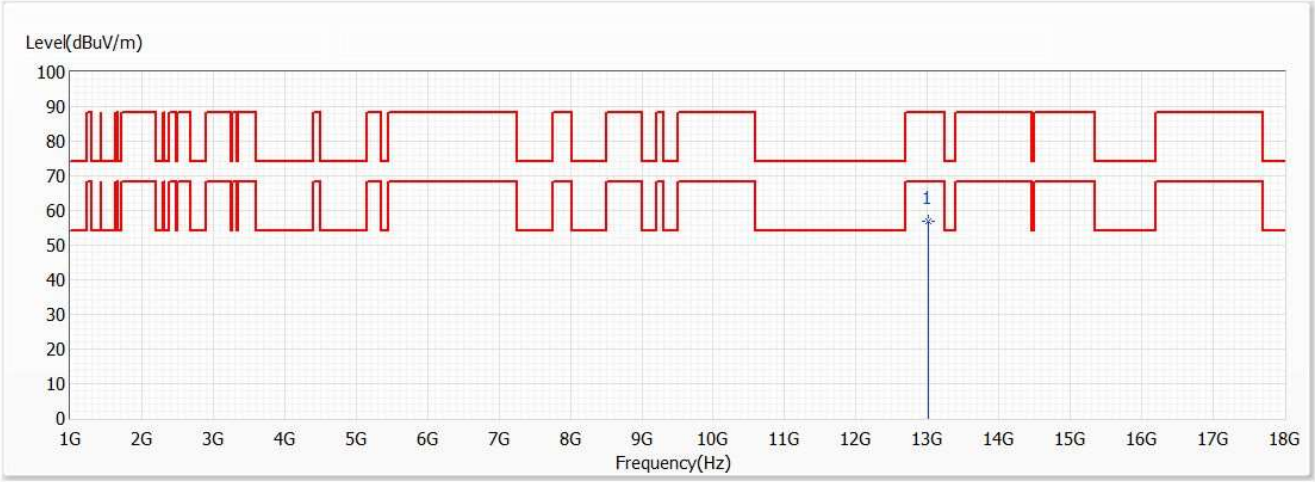


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	18555.000	39.97	74.00	-34.03	47.15	-7.18	PK
2	24740.000	44.58	88.20	-43.62	49.26	-4.68	PK
3	30925.000	47.03	88.20	-41.17	48.00	-0.97	PK
4	37110.000	47.67	88.20	-40.53	46.53	1.14	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	CR1000A	Site	CB4-H
Test Voltage	AC120V/60Hz	Test Date	2021/8/18
Test Mode	Mode 1: Transmit	Engineer	Elwin Lin
Polarity	Horizontal	Temperature (℃)	24.5
Test Condition	CDD,802.11ax,Ant0+1+2+3,Ch111,6.505G,BW160M	Humidity (%RH)	58.0

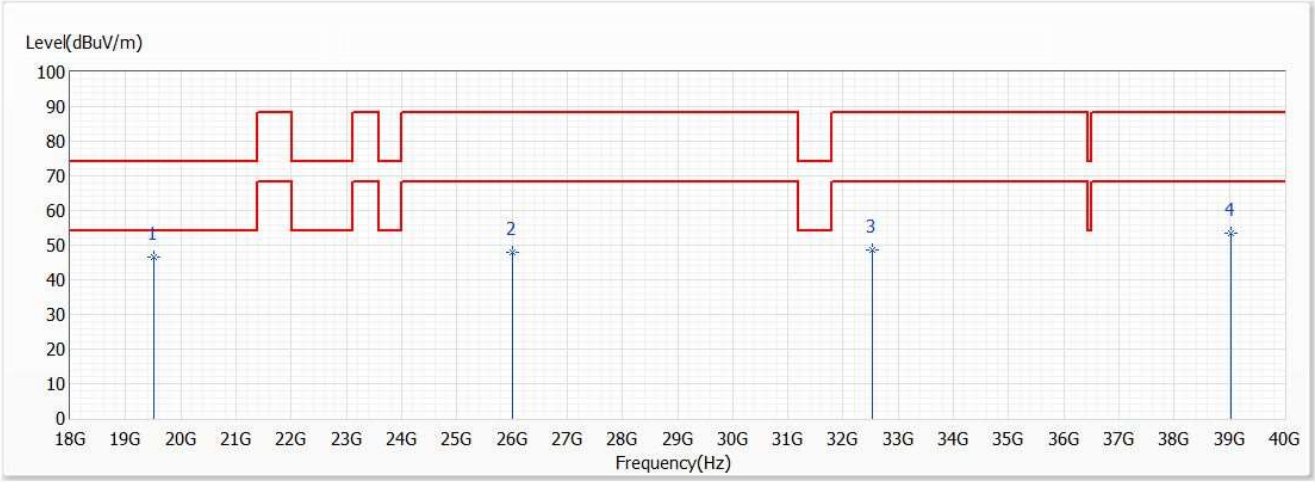


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	13010.000	56.78	88.20	-31.42	41.80	14.98	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	CR1000A	Site	CB4-H
Test Voltage	AC120V/60Hz	Test Date	2021/8/18
Test Mode	Mode 1: Transmit	Engineer	Elwin Lin
Polarity	Horizontal	Temperature (℃)	24.5
Test Condition	CDD,802.11ax,Ant0+1+2+3,Ch111,6.505G,BW160M	Humidity (%RH)	58.0

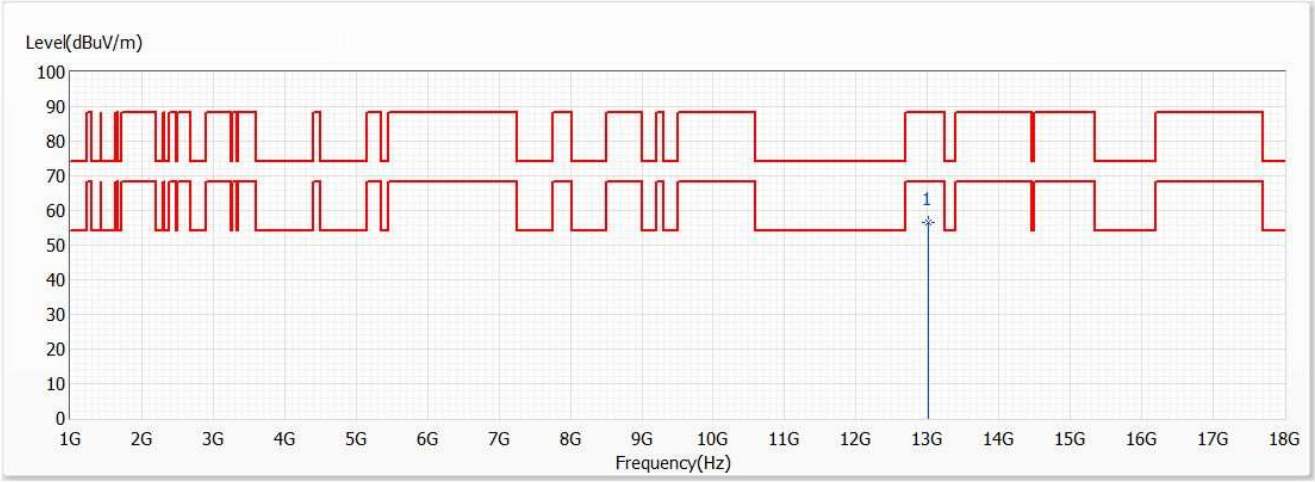


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	19515.000	46.55	74.00	-27.45	53.29	-6.74	PK
2	26020.000	48.01	88.20	-40.19	52.36	-4.35	PK
3	32525.000	48.73	88.20	-39.47	49.27	-0.54	PK
4	39030.000	53.31	88.20	-34.89	48.73	4.58	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	CR1000A	Site	CB4-H
Test Voltage	AC120V/60Hz	Test Date	2021/8/18
Test Mode	Mode 1: Transmit	Engineer	Elwin Lin
Polarity	Vertical	Temperature (℃)	24.5
Test Condition	CDD,802.11ax,Ant0+1+2+3,Ch111,6.505G,BW160M	Humidity (%RH)	58.0

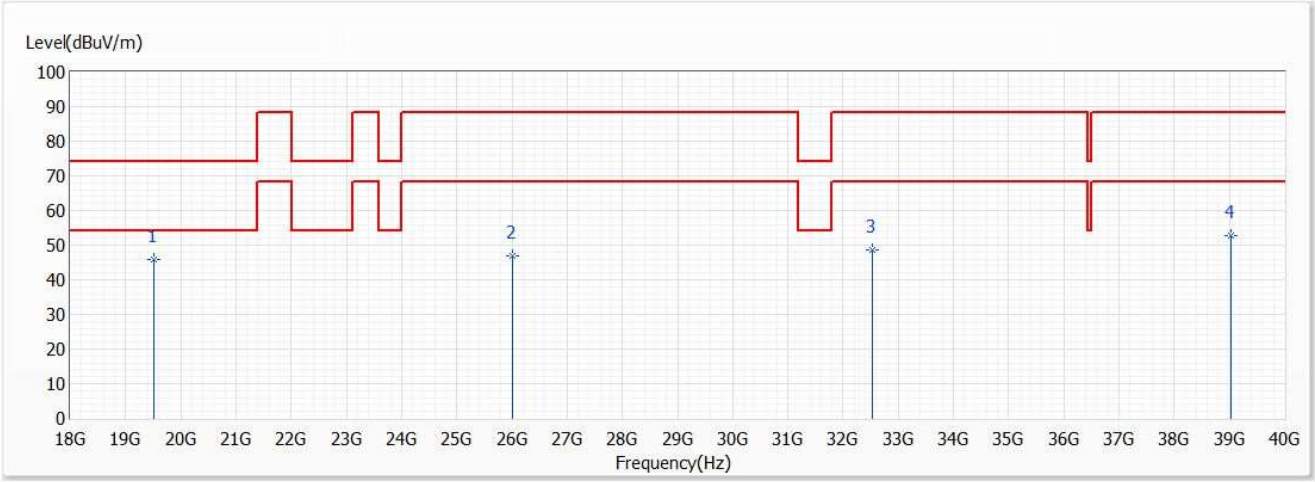


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	13010.000	56.41	88.20	-31.79	41.43	14.98	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	CR1000A	Site	CB4-H
Test Voltage	AC120V/60Hz	Test Date	2021/8/18
Test Mode	Mode 1: Transmit	Engineer	Elwin Lin
Polarity	Vertical	Temperature (℃)	24.5
Test Condition	CDD,802.11ax,Ant0+1+2+3,Ch 111,6.505G,BW160M	Humidity (%RH)	58.0

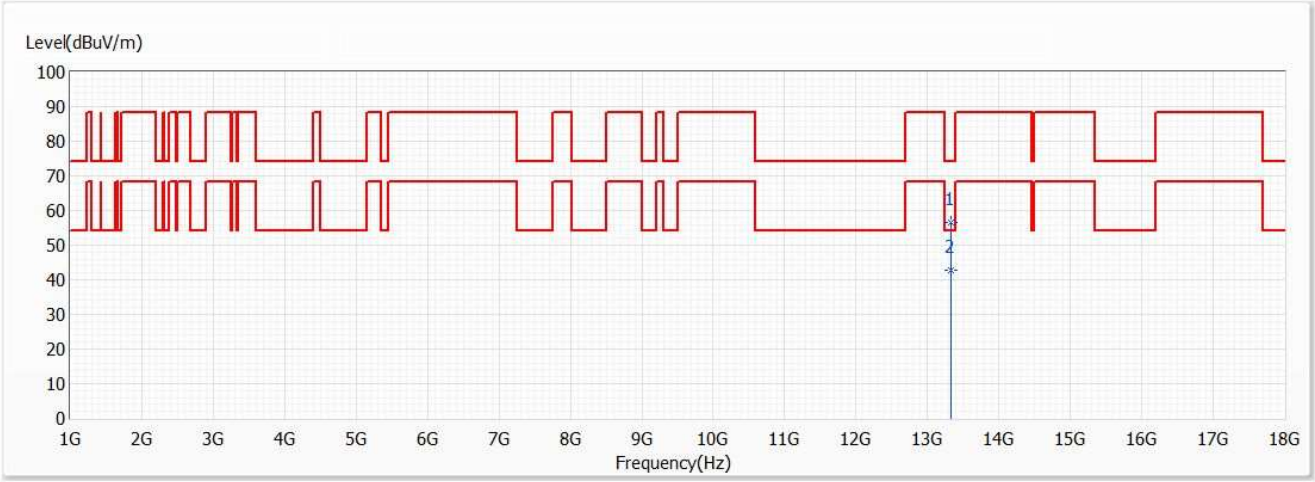


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	19515.000	45.80	74.00	-28.20	52.54	-6.74	PK
2	26020.000	46.86	88.20	-41.34	51.21	-4.35	PK
3	32525.000	48.59	88.20	-39.61	49.13	-0.54	PK
4	39030.000	52.79	88.20	-35.41	48.21	4.58	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	CR1000A	Site	CB4-H
Test Voltage	AC120V/60Hz	Test Date	2021/8/18
Test Mode	Mode 1: Transmit	Engineer	Elwin Lin
Polarity	Horizontal	Temperature (℃)	24.5
Test Condition	CDD,802.11ax,Ant0+1+2+3,Ch143,6.665G,BW160M	Humidity (%RH)	58.0

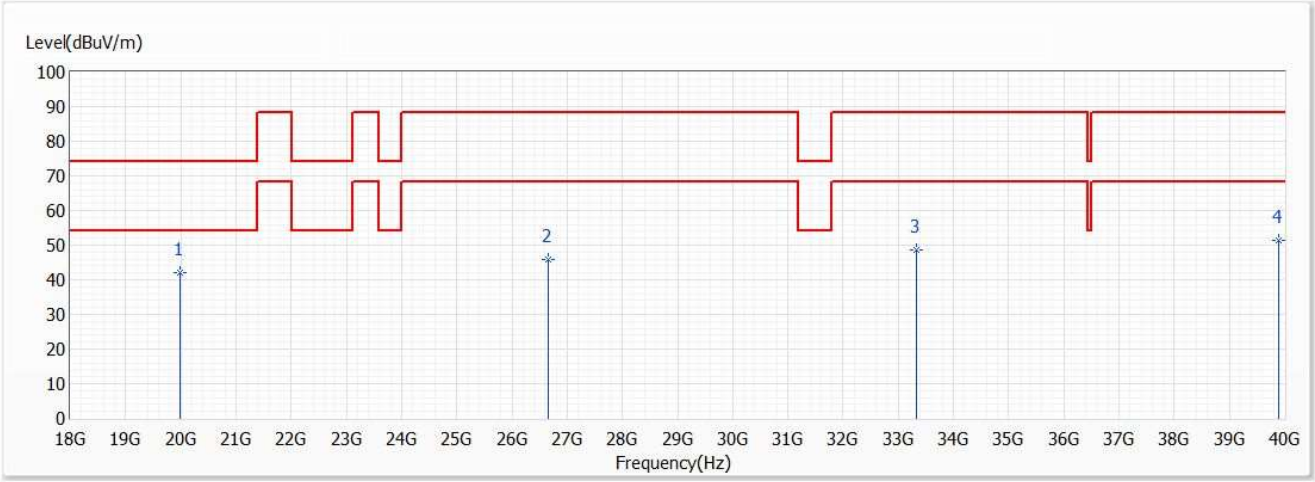


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	13330.000	56.69	74.00	-17.31	41.18	15.51	PK
* 2	13330.000	42.59	54.00	-11.41	27.08	15.51	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	CR1000A	Site	CB4-H
Test Voltage	AC120V/60Hz	Test Date	2021/8/18
Test Mode	Mode 1: Transmit	Engineer	Elwin Lin
Polarity	Horizontal	Temperature (℃)	24.5
Test Condition	CDD,802.11ax,Ant0+1+2+3,Ch 143,6.665G,BW160M	Humidity (%RH)	58.0

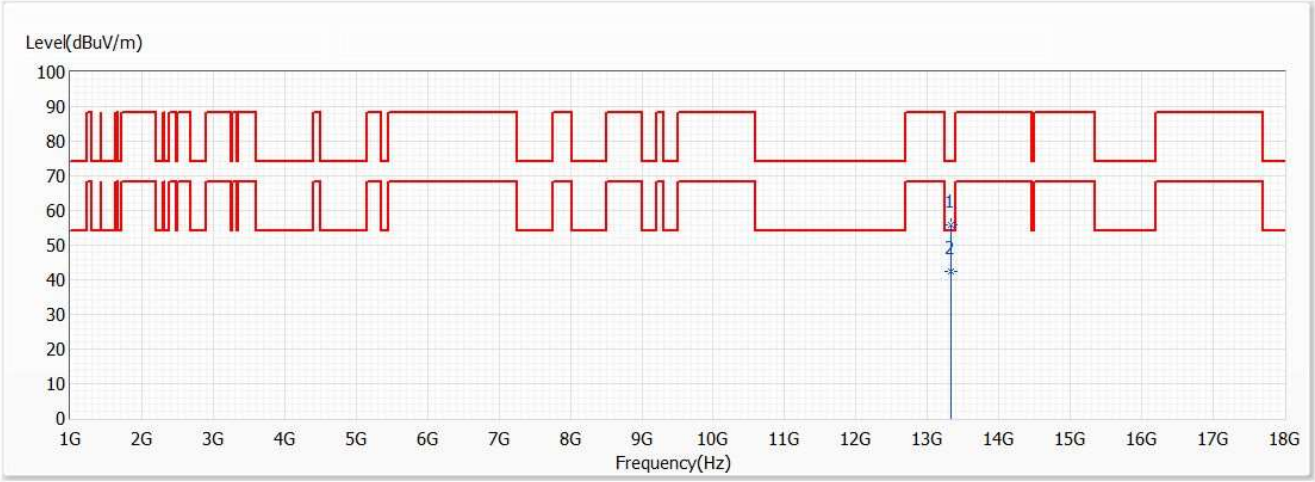


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	19995.000	42.21	74.00	-31.79	48.42	-6.21	PK
2	26660.000	45.69	88.20	-42.51	48.12	-2.43	PK
3	33325.000	48.45	88.20	-39.75	48.27	0.18	PK
4	39900.000	51.36	88.20	-36.84	45.28	6.08	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	CR1000A	Site	CB4-H
Test Voltage	AC120V/60Hz	Test Date	2021/8/18
Test Mode	Mode 1: Transmit	Engineer	Elwin Lin
Polarity	Vertical	Temperature (℃)	24.5
Test Condition	CDD,802.11ax,Ant0+1+2+3,Ch143,6.665G,BW160M	Humidity (%RH)	58.0

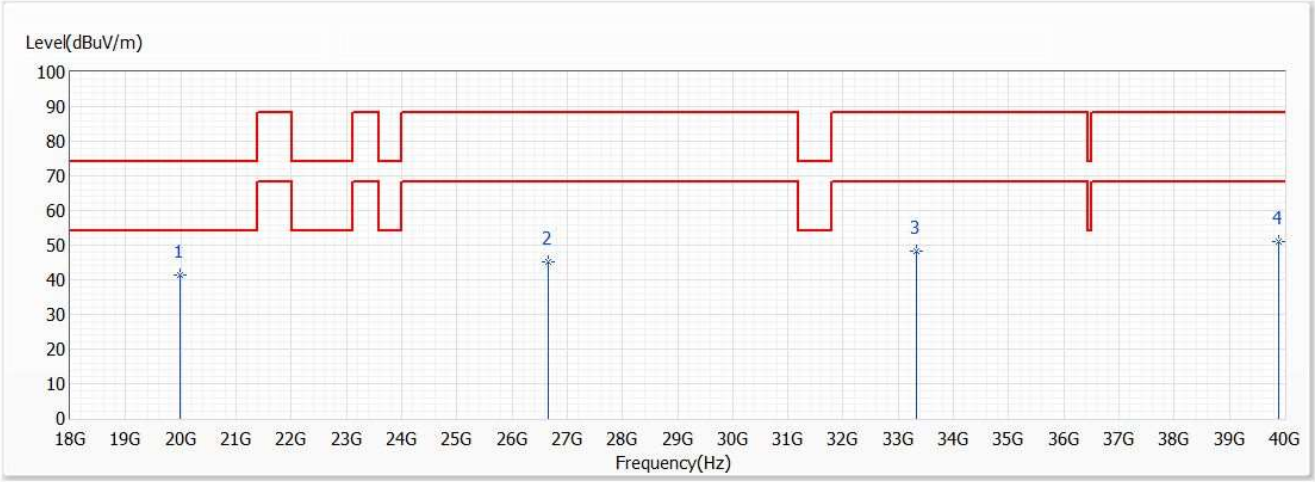


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	13330.000	55.78	74.00	-18.22	40.27	15.51	PK
* 2	13330.000	42.50	54.00	-11.50	26.99	15.51	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	CR1000A	Site	CB4-H
Test Voltage	AC120V/60Hz	Test Date	2021/8/18
Test Mode	Mode 1: Transmit	Engineer	Elwin Lin
Polarity	Vertical	Temperature (℃)	24.5
Test Condition	CDD,802.11ax,Ant0+1+2+3,Ch 143,6.665G,BW160M	Humidity (%RH)	58.0

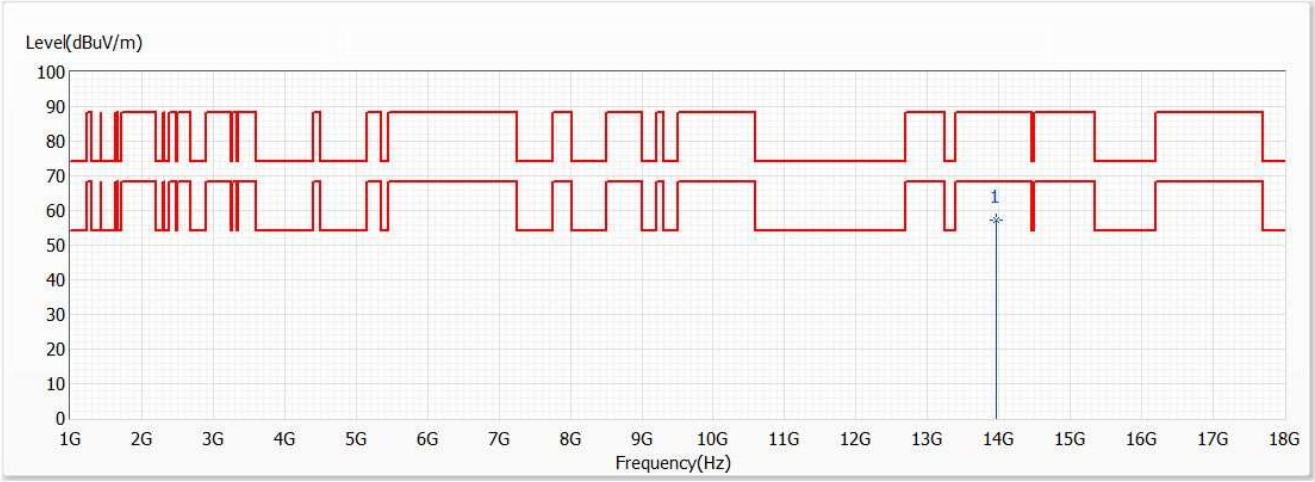


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	19995.000	41.23	74.00	-32.77	47.44	-6.21	PK
2	26660.000	45.15	88.20	-43.05	47.58	-2.43	PK
3	33325.000	48.30	88.20	-39.90	48.12	0.18	PK
4	39900.000	51.17	88.20	-37.03	45.09	6.08	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	CR1000A	Site	CB4-H
Test Voltage	AC120V/60Hz	Test Date	2021/8/18
Test Mode	Mode 1: Transmit	Engineer	Elwin Lin
Polarity	Horizontal	Temperature (℃)	24.5
Test Condition	CDD,802.11ax,Ant0+1+2+3,Ch 207,6.985G,BW160M	Humidity (%RH)	58.0

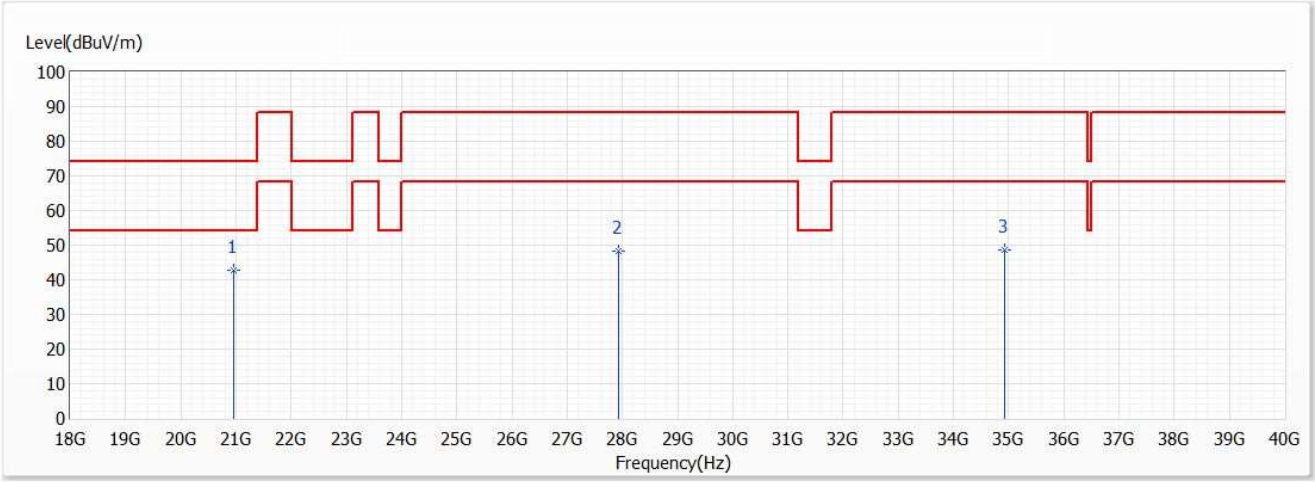


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	13970.000	57.17	88.20	-31.03	40.69	16.48	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	CR1000A	Site	CB4-H
Test Voltage	AC120V/60Hz	Test Date	2021/8/18
Test Mode	Mode 1: Transmit	Engineer	Elwin Lin
Polarity	Horizontal	Temperature (℃)	24.5
Test Condition	CDD,802.11ax,Ant0+1+2+3,Ch 207,6.985G,BW160M	Humidity (%RH)	58.0

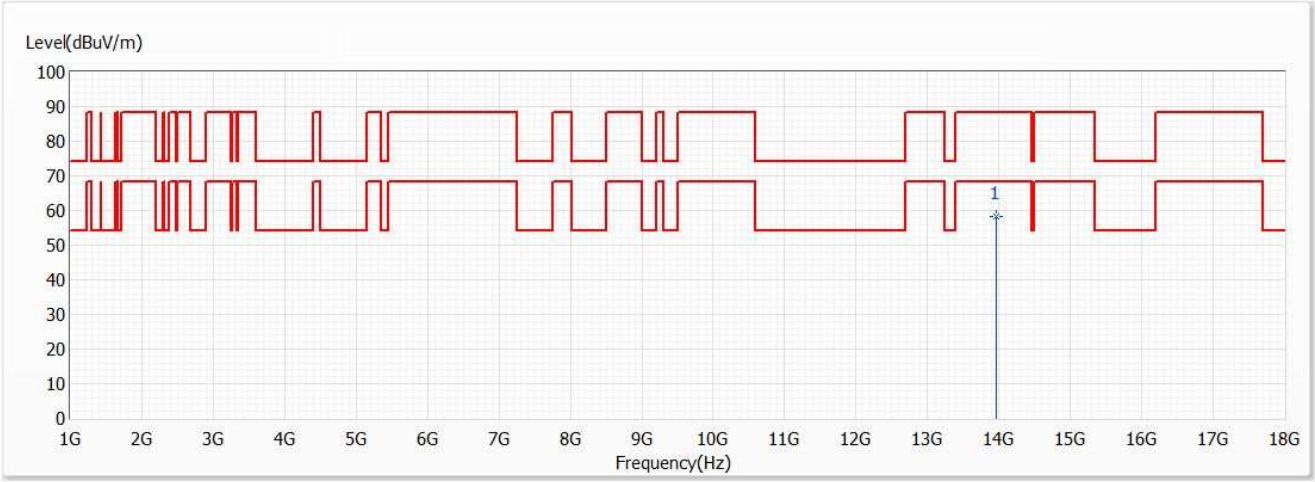


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	20955.000	42.66	74.00	-31.34	50.46	-7.80	PK
2	27940.000	48.33	88.20	-39.87	49.30	-0.97	PK
3	34925.000	48.57	88.20	-39.63	48.37	0.20	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	CR1000A	Site	CB4-H
Test Voltage	AC120V/60Hz	Test Date	2021/8/18
Test Mode	Mode 1: Transmit	Engineer	Elwin Lin
Polarity	Vertical	Temperature (℃)	24.5
Test Condition	CDD,802.11ax,Ant0+1+2+3,Ch 207,6.985G,BW160M	Humidity (%RH)	58.0

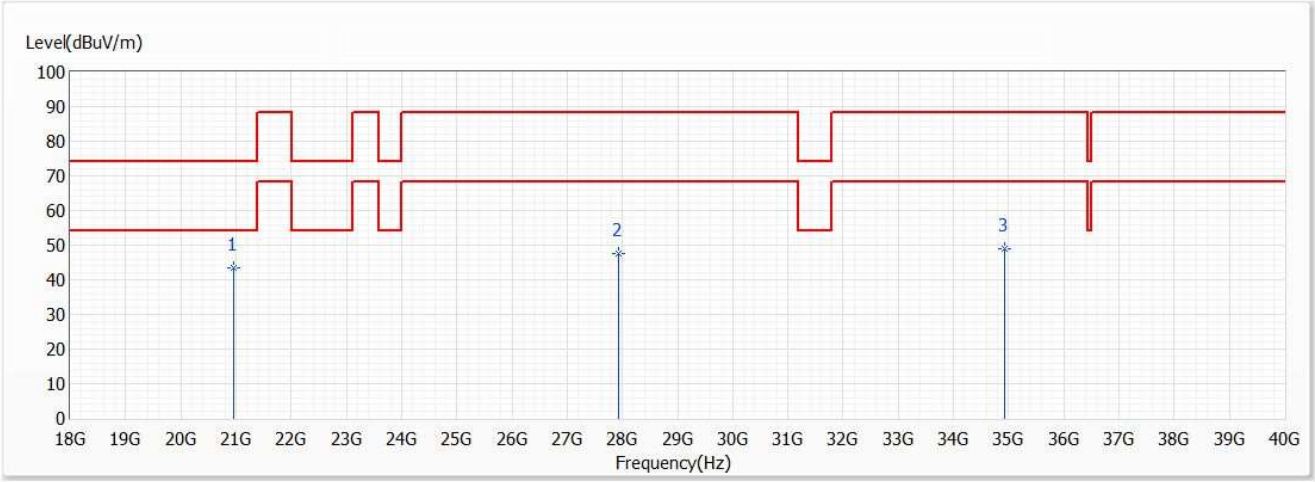


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	13970.000	58.23	88.20	-29.97	41.75	16.48	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	CR1000A	Site	CB4-H
Test Voltage	AC120V/60Hz	Test Date	2021/8/18
Test Mode	Mode 1: Transmit	Engineer	Elwin Lin
Polarity	Vertical	Temperature (℃)	24.5
Test Condition	CDD,802.11ax,Ant0+1+2+3,Ch 207,6.985G,BW160M	Humidity (%RH)	58.0



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	20955.000	43.34	74.00	-30.66	51.14	-7.80	PK
2	27940.000	47.63	88.20	-40.57	48.60	-0.97	PK
3	34925.000	48.91	88.20	-39.29	48.71	0.20	PK

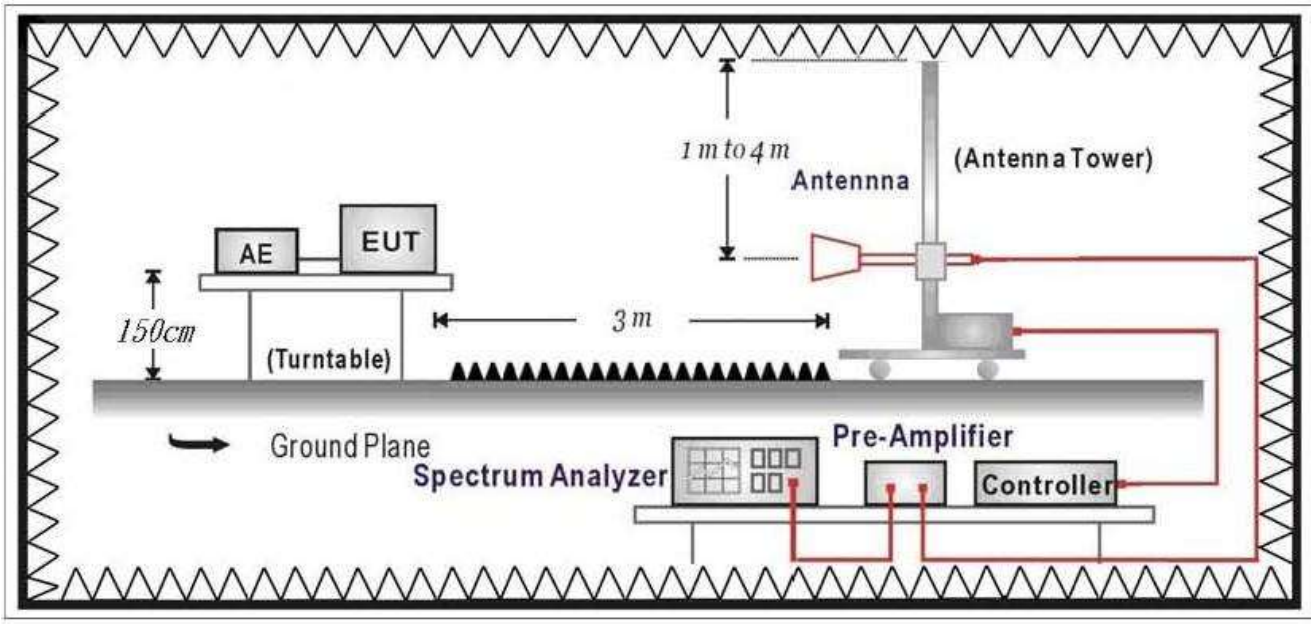
Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

5. Radiated Emission Band Edge

5.1. Test Setup

RF Radiated Measurement:



5.2. Test Limit

General Radiated Emission Test Limit

The provisions of Section 15.205 of this part apply to intentional radiators operating under this section. Radiated emissions which fall in the restricted bands, as defined in Section 15.205, must also comply with the radiated emission limit specified in Section 15.209:

FCC CFR Title 47 Part 15 Subpart C Paragraph 15.209 Test Limit		
Frequency MHz	uV/m @3m	dBuV/m@3m
30 - 88	100	40
88 - 216	150	43.5
216 - 960	200	46
Above 960	500	54

Remark:

1. RF Voltage (dBuV) = 20 log RF Voltage (uV)
2. In the Above Table, the tighter limit applies at the band edges.
3. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

Unwanted Emission out of the restricted bands Test Limit

FCC CFR Title 47 Part 15 Subpart E Paragraph 15.407(b) Test Limit		
Frequency (MHz)	EIRP Limit (dBm/MHz)	Equivalent Field Strength (dBuV/m@3m)
5925 MHz > F 7125 MHz	Peak: -7	88.2
	Average: -27	68.2

Remark:

The following for mula is used to convert the equipment isotropic radiated power (eirp) to field strength:

E = $\frac{1000000\sqrt{30P}}{3}$ uV/m, where P is the eirp (Watts).

5.3. Test Procedure

The EUT and its simulators are placed on a turn table which is 1.5 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.

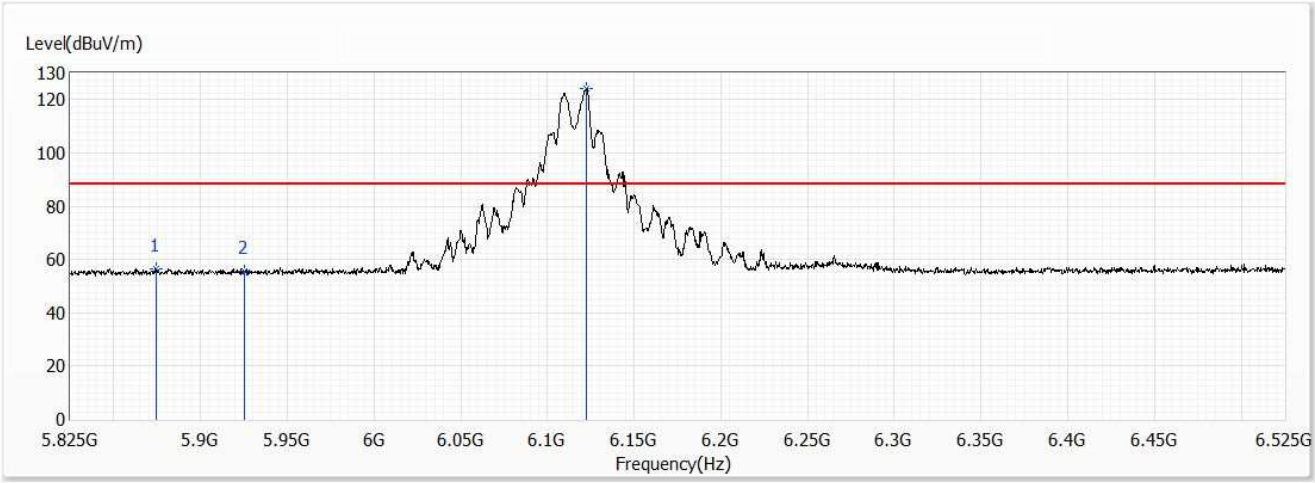
The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.

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 according to ANSI C63.10: 2013on radiated measurement.

The bandwidth below 1GHz setting on the field strength meter is 120 KHz, above 1GHz are 1 MHz.

5.4. Test Result of Radiated Emission Band Edge

Model No	CR1000A	Site	CB4-H
Test Voltage	AC120V/60Hz	Test Date	2021/8/18
Test Mode	Mode 1: Transmit	Engineer	Elwin Lin
Polarity	Horizontal	Temperature (℃)	24.5
Test Condition	CDD,802.11a,Ant0+1+2+3,Ch 33,6.115G,BW20M	Humidity (%RH)	58.0

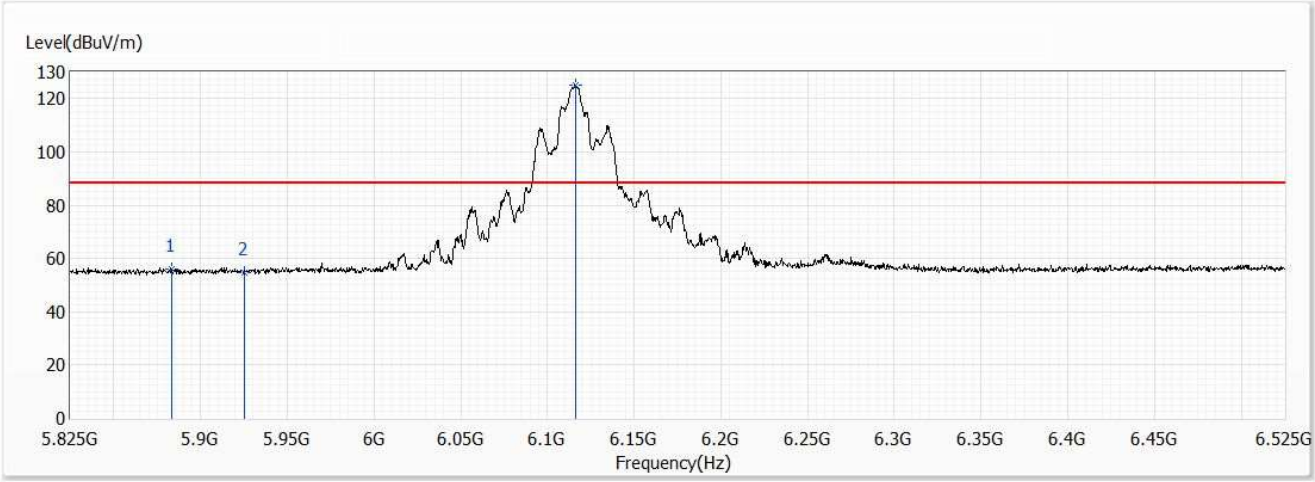


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	5874.350	56.67	88.20	-31.53	33.61	23.06	PK
2	5925.000	55.73	88.20	-32.47	32.46	23.27	PK
! 3	6122.500	124.20	88.20	36.00	100.91	23.29	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
4. The fundamental for reference only, it's not restricted by unwanted emission limit.

Model No	CR1000A	Site	CB4-H
Test Voltage	AC120V/60Hz	Test Date	2021/8/18
Test Mode	Mode 1: Transmit	Engineer	Elwin Lin
Polarity	Vertical	Temperature (℃)	24.5
Test Condition	CDD,802.11a,Ant0+1+2+3,Ch 33,6.115G,BW20M	Humidity (%RH)	58.0

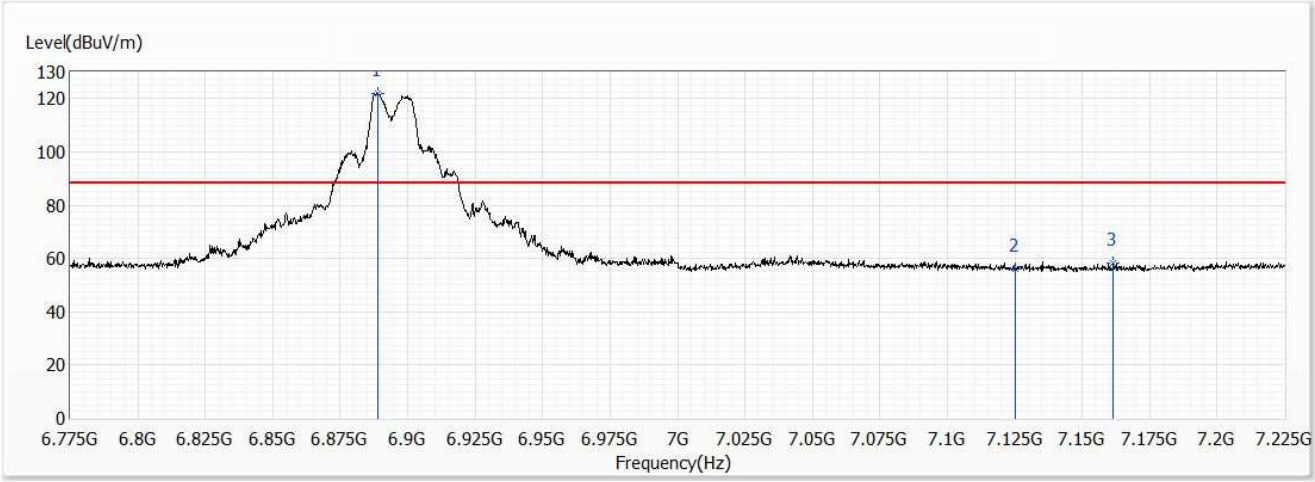


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	5883.100	56.24	88.20	-31.96	33.15	23.09	PK
2	5925.000	54.48	88.20	-33.72	31.21	23.27	PK
! 3	6116.550	125.27	88.20	37.07	101.99	23.28	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
4. The fundamental for reference only, it's not restricted by unwanted emission limit.

Model No	CR1000A	Site	CB4-H
Test Voltage	AC120V/60Hz	Test Date	2021/8/18
Test Mode	Mode 1: Transmit	Engineer	Elwin Lin
Polarity	Horizontal	Temperature (℃)	24.5
Test Condition	CDD,802.11a,Ant0+1+2+3,Ch 189,6.895G,BW20M	Humidity (%RH)	58.0

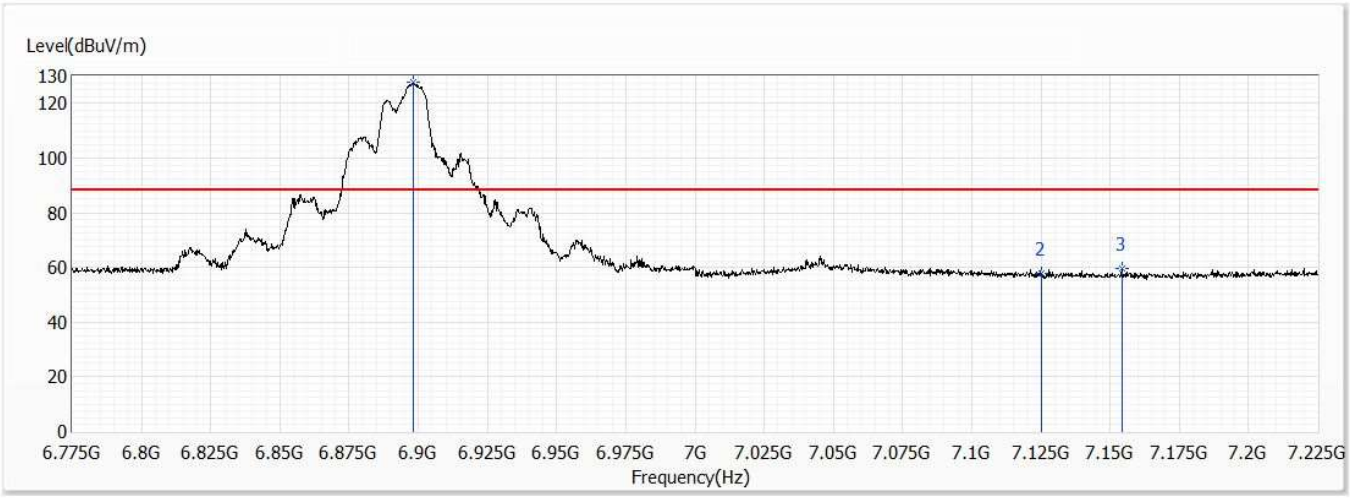


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
! 1	6888.850	121.74	88.20	33.54	96.04	25.70	PK
2	7125.000	56.19	88.20	-32.01	28.69	27.50	PK
3	7161.550	58.31	88.20	-29.89	30.66	27.65	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
4. The fundamental for reference only, it’s not restricted by unwanted emission limit.

Model No	CR1000A	Site	CB4-H
Test Voltage	AC120V/60Hz	Test Date	2021/8/18
Test Mode	Mode 1: Transmit	Engineer	Elwin Lin
Polarity	Vertical	Temperature (℃)	24.5
Test Condition	CDD,802.11a,Ant0+1+2+3,Ch 189,6.895G,BW20M	Humidity (%RH)	58.0

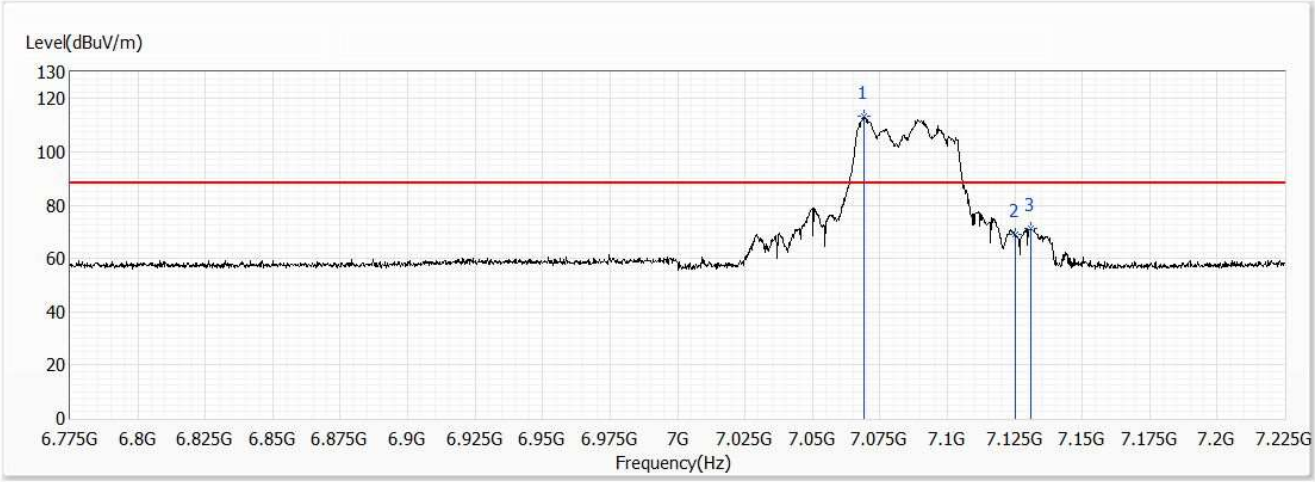


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
! 1	6898.075	127.65	88.20	39.45	101.95	25.70	PK
2	7125.000	58.02	88.20	-30.18	30.52	27.50	PK
3	7154.125	59.52	88.20	-28.68	31.91	27.61	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
4. The fundamental for reference only, it's not restricted by unwanted emission limit.

Model No	CR1000A	Site	CB4-H
Test Voltage	AC120V/60Hz	Test Date	2021/8/18
Test Mode	Mode 1: Transmit	Engineer	Elwin Lin
Polarity	Horizontal	Temperature (℃)	24.5
Test Condition	CDD,802.11ax,Ant0+1+2+3,Ch 227,7.085G,BW40M	Humidity (%RH)	58.0

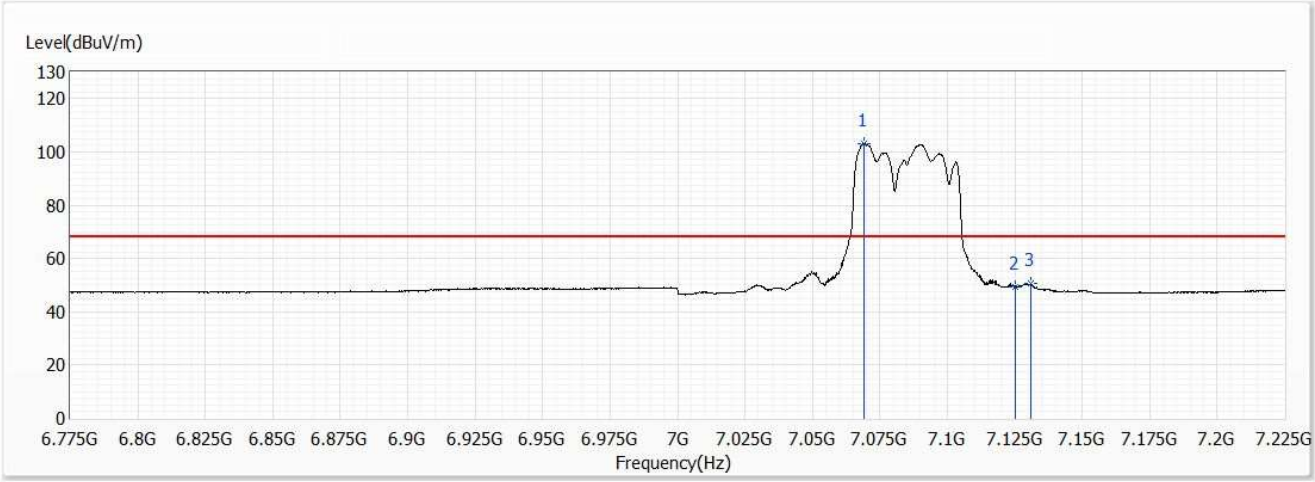


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
! 1	7069.075	113.33	88.20	25.13	86.11	27.22	PK
2	7125.000	69.14	88.20	-19.06	41.64	27.50	PK
3	7130.950	71.50	88.20	-16.70	43.99	27.51	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
4. The fundamental for reference only, it’s not restricted by unwanted emission limit.

Model No	CR1000A	Site	CB4-H
Test Voltage	AC120V/60Hz	Test Date	2021/8/18
Test Mode	Mode 1: Transmit	Engineer	Elwin Lin
Polarity	Horizontal	Temperature (℃)	24.5
Test Condition	CDD,802.11ax,Ant0+1+2+3,Ch 227,7.085G,BW40M	Humidity (%RH)	58.0

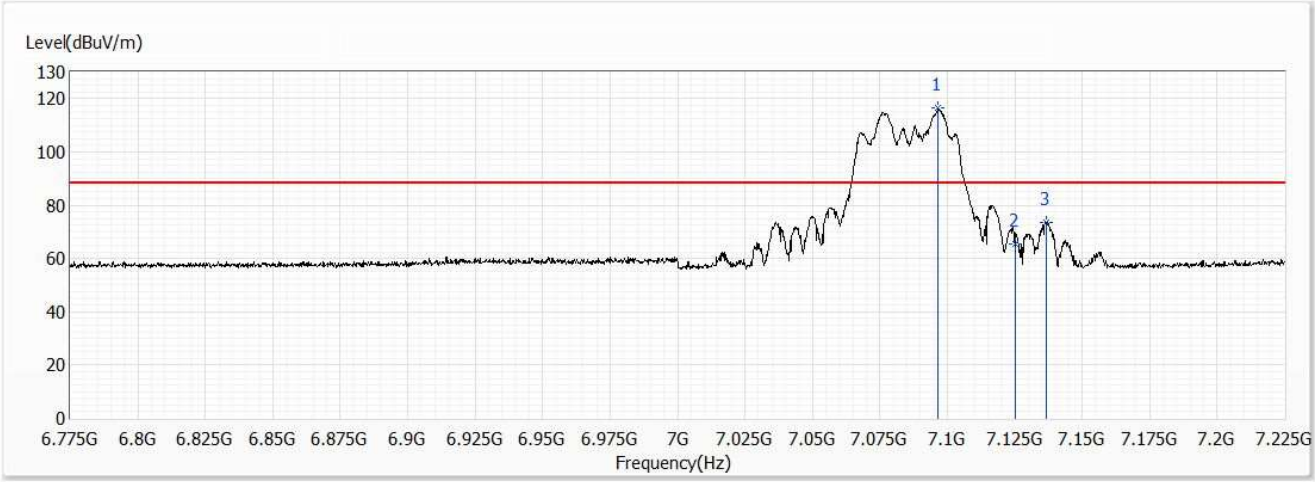


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
! 1	7069.075	103.19	68.20	34.99	75.97	27.22	RMS
2	7125.000	49.47	68.20	-18.73	21.97	27.50	RMS
3	7130.725	50.49	68.20	-17.71	22.98	27.51	RMS

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
4. The fundamental for reference only, it's not restricted by unwanted emission limit.

Model No	CR1000A	Site	CB4-H
Test Voltage	AC120V/60Hz	Test Date	2021/8/18
Test Mode	Mode 1: Transmit	Engineer	Elwin Lin
Polarity	Vertical	Temperature (℃)	24.5
Test Condition	CDD,802.11ax,Ant0+1+2+3,Ch 227,7.085G,BW40M	Humidity (%RH)	58.0

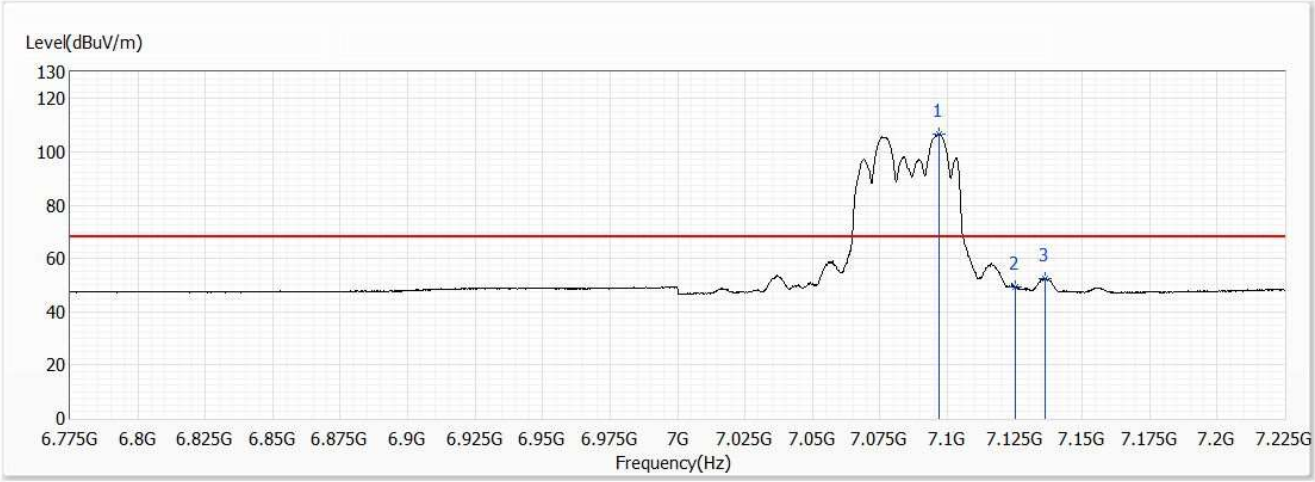


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
! 1	7096.525	116.38	88.20	28.18	89.00	27.38	PK
2	7125.000	65.63	88.20	-22.57	38.13	27.50	PK
3	7136.800	73.71	88.20	-14.49	46.18	27.53	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
4. The fundamental for reference only, it’s not restricted by unwanted emission limit.

Model No	CR1000A	Site	CB4-H
Test Voltage	AC120V/60Hz	Test Date	2021/8/18
Test Mode	Mode 1: Transmit	Engineer	Elwin Lin
Polarity	Vertical	Temperature (℃)	24.5
Test Condition	CDD,802.11ax,Ant0+1+2+3,Ch 227,7.085G,BW40M	Humidity (%RH)	58.0

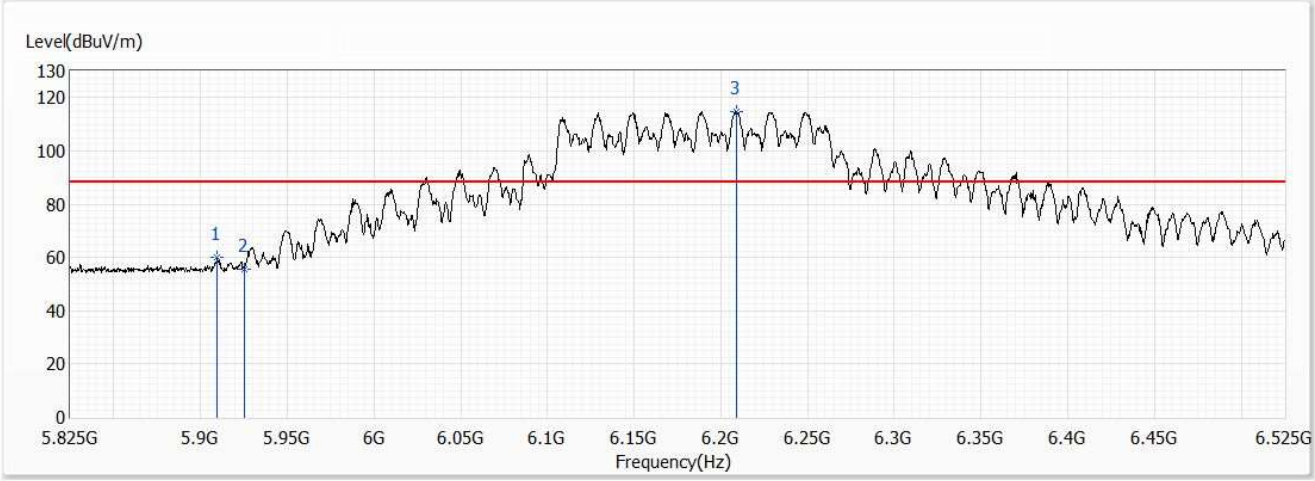


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
! 1	7096.750	106.71	68.20	38.51	79.33	27.38	RMS
2	7125.000	49.43	68.20	-18.77	21.93	27.50	RMS
3	7136.350	52.56	68.20	-15.64	25.03	27.53	RMS

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
4. The fundamental for reference only, it’s not restricted by unwanted emission limit.

Model No	CR1000A	Site	CB4-H
Test Voltage	AC120V/60Hz	Test Date	2021/8/18
Test Mode	Mode 1: Transmit	Engineer	Elwin Lin
Polarity	Horizontal	Temperature (℃)	24.5
Test Condition	CDD,802.11ax,Ant0+1+2+3,Ch 47,6.185G,BW160M	Humidity (%RH)	58.0

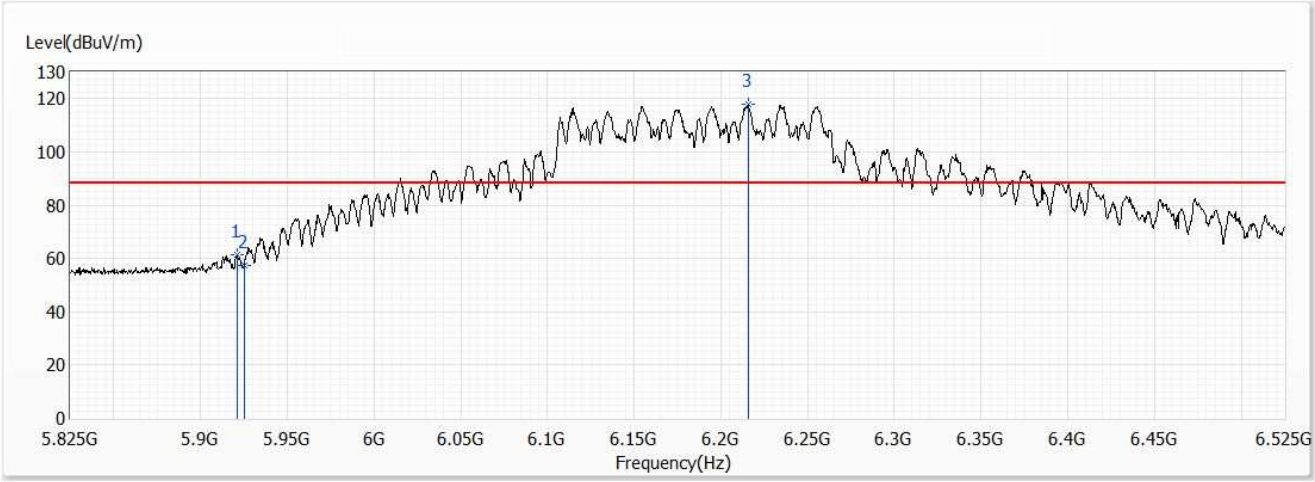


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	5909.700	60.21	88.20	-27.99	37.00	23.21	PK
2	5925.000	55.73	88.20	-32.47	32.46	23.27	PK
! 3	6208.950	114.75	88.20	26.55	91.02	23.73	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
4. The fundamental for reference only, it's not restricted by unwanted emission limit.

Model No	CR1000A	Site	CB4-H
Test Voltage	AC120V/60Hz	Test Date	2021/8/18
Test Mode	Mode 1: Transmit	Engineer	Elwin Lin
Polarity	Vertical	Temperature (℃)	24.5
Test Condition	CDD,802.11ax,Ant0+1+2+3,Ch 47,6.185G,BW160M	Humidity (%RH)	58.0

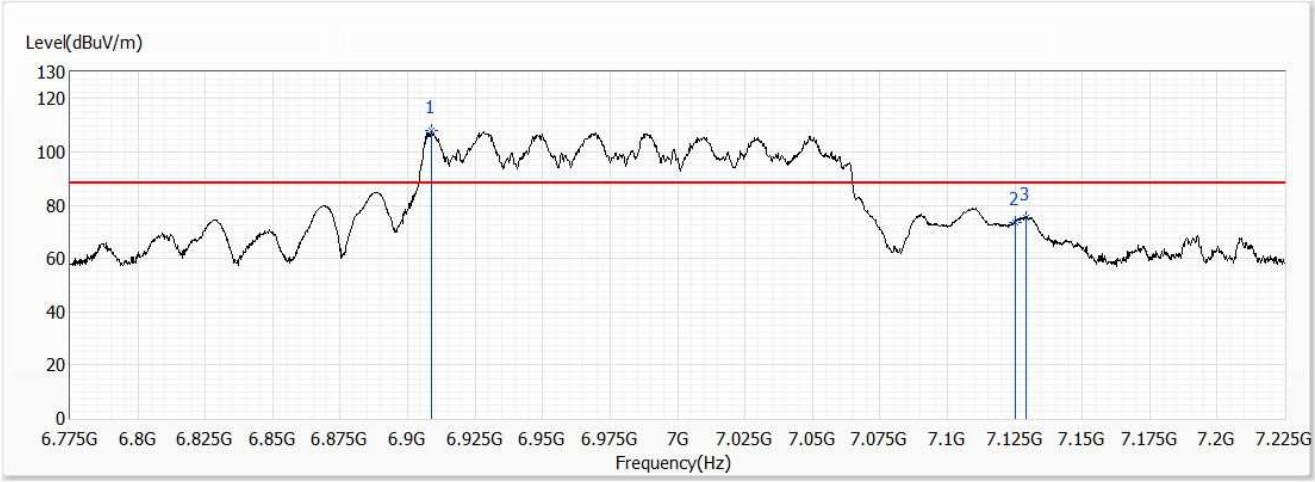


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	5920.900	61.26	88.20	-26.94	38.01	23.25	PK
2	5925.000	57.29	88.20	-30.91	34.02	23.27	PK
! 3	6215.600	117.72	88.20	29.52	93.97	23.75	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
4. The fundamental for reference only, it's not restricted by unwanted emission limit.

Model No	CR1000A	Site	CB4-H
Test Voltage	AC120V/60Hz	Test Date	2021/8/18
Test Mode	Mode 1: Transmit	Engineer	Elwin Lin
Polarity	Horizontal	Temperature (℃)	24.5
Test Condition	CDD,802.11ax,Ant0+1+2+3,Ch 207,6.985G,BW160M	Humidity (%RH)	58.0

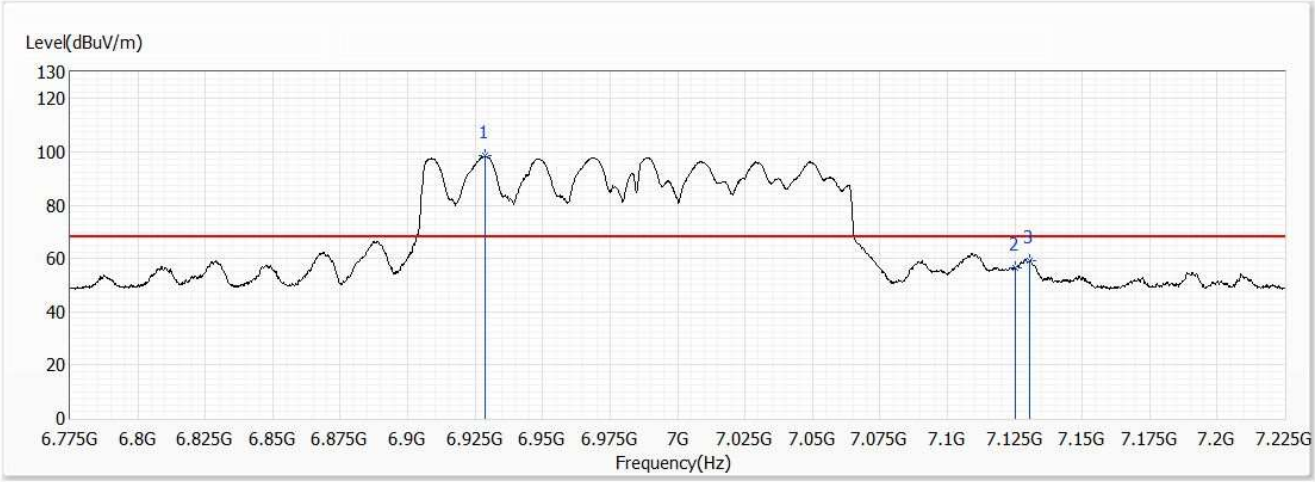


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
! 1	6908.650	108.01	88.20	19.81	82.22	25.79	PK
2	7125.000	73.40	88.20	-14.80	45.90	27.50	PK
3	7129.375	75.49	88.20	-12.71	47.98	27.51	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
4. The fundamental for reference only, it’s not restricted by unwanted emission limit.

Model No	CR1000A	Site	CB4-H
Test Voltage	AC120V/60Hz	Test Date	2021/8/18
Test Mode	Mode 1: Transmit	Engineer	Elwin Lin
Polarity	Horizontal	Temperature (℃)	24.5
Test Condition	CDD,802.11ax,Ant0+1+2+3,Ch 207,6.985G,BW160M	Humidity (%RH)	58.0

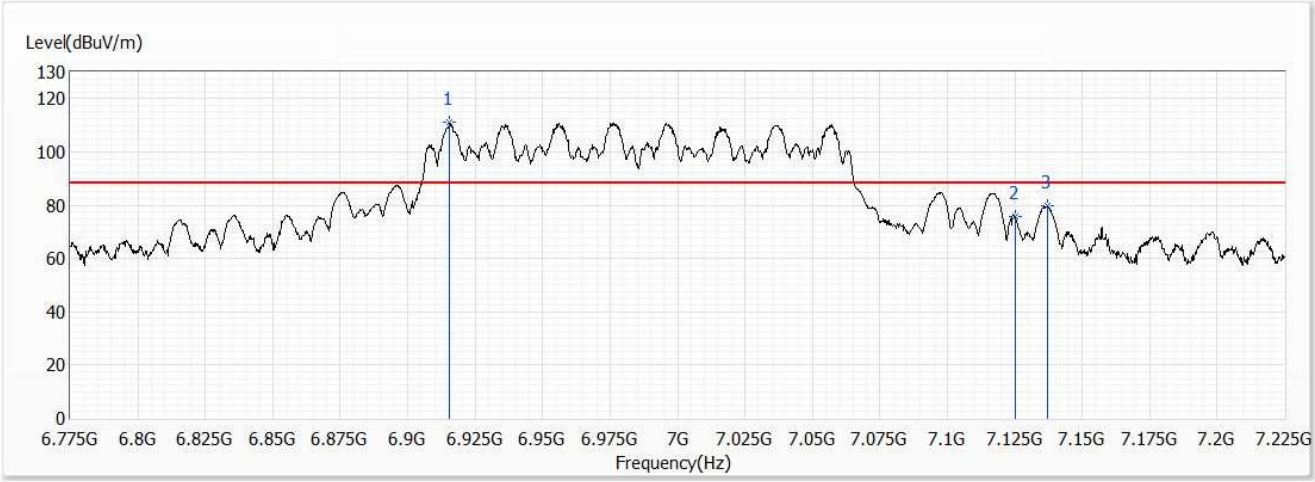


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
! 1	6928.675	98.62	68.20	30.42	72.65	25.97	AV
2	7125.000	56.42	68.20	-11.78	28.92	27.50	AV
3	7130.500	59.14	68.20	-9.06	31.63	27.51	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
4. The fundamental for reference only, it’s not restricted by unwanted emission limit.

Model No	CR1000A	Site	CB4-H
Test Voltage	AC120V/60Hz	Test Date	2021/8/18
Test Mode	Mode 1: Transmit	Engineer	Elwin Lin
Polarity	Vertical	Temperature (℃)	24.5
Test Condition	CDD,802.11ax,Ant0+1+2+3,Ch 207,6.985G,BW160M	Humidity (%RH)	58.0

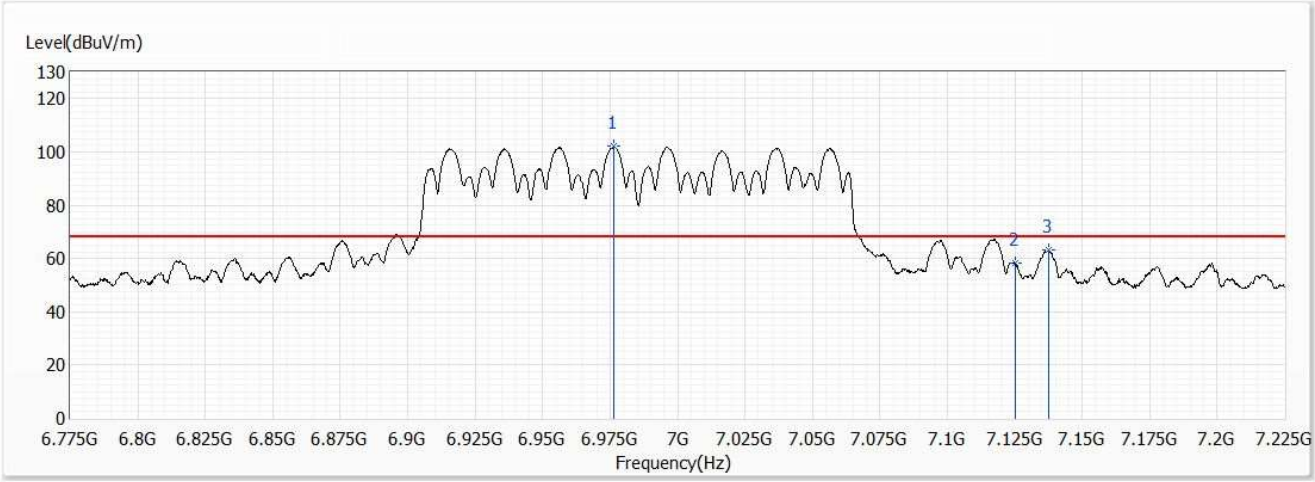


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
! 1	6915.625	111.31	88.20	23.11	85.46	25.85	PK
2	7125.000	75.63	88.20	-12.57	48.13	27.50	PK
3	7137.250	79.65	88.20	-8.55	52.12	27.53	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
4. The fundamental for reference only, it’s not restricted by unwanted emission limit.

Model No	CR1000A	Site	CB4-H
Test Voltage	AC120V/60Hz	Test Date	2021/8/18
Test Mode	Mode 1: Transmit	Engineer	Elwin Lin
Polarity	Vertical	Temperature (℃)	24.5
Test Condition	CDD,802.11ax,Ant0+1+2+3,Ch 207,6.985G,BW160M	Humidity (%RH)	58.0



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
! 1	6976.375	102.01	68.20	33.81	75.65	26.36	RMS
2	7125.000	58.09	68.20	-10.11	30.59	27.50	RMS
3	7137.700	63.11	68.20	-5.09	35.57	27.54	RMS

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
4. The fundamental for reference only, it's not restricted by unwanted emission limit.