FCC Test Report

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

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

Date of Receipt	:	May. 18, 2021
Issued Date	:	Jul. 12, 2021
Report No.	:	2150987R-E3032110108
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.
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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.
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Test Report Certification

Product Name	:	WCDMA/LTE Mobile Phone
Applicant	:	FIH CO., LTD.
Address	:	No.4, Minsheng St., Tu-Cheng Dist., New Taipei City 23679, Taiwan
Manufacturer	:	FIH CO., LTD.
Address	:	No.4, Minsheng St., Tu-Cheng Dist., New Taipei City 23679, Taiwan
Trade name	:	FIH
Model No.	:	EA211002, EC211002, EC211003
FCC ID	:	RYQEA211002
EUT Voltage	:	DC 5V (adapter or host equipment) DC 3.85V for battery
Testing Voltage	:	AC 120V/60Hz (power by adapter)
Applicable Standard	:	FCC CFR Title 47 Part 15 Subpart C Section 15.247: 2019 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 / Senior Engineering Adm. Specialist)

Tested By :

(Scott Chang / Senior Engineer)

Approved By :

(Louis Hsu / Deputy Manager)

The test results relate only to the samples tested.
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Revision History

Version	Description	Issued Date
V1.0	Initial issue of report	Jul. 12, 2021

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1. General Information

1.1. EUT Description

Product Name	WCDMA/LTE Mobile Phone
Trade Name	FIH
Model No.	EA211002, EC211002, EC211003
Frequency Range	2402~2480MHz
Channel Number	79 Channels
Type of Modulation	GFSK, π/4-DQPSK, 8-DPSK

Accessories Information	
Type C USB Cable	1pcs, Shielded, 1m
Microphone& Earphone Cable	1pcs, Non-Shielded, 1.5m
Power Adapter	MFR: Shenzhen Baijunda Electronic, M/N: UT-592A-5200ZY I/P: AC 100~240V, 50/60Hz, 0.35A O/P: DC 5V, 2.0A 10W

The difference for each model is shown as below:

Model No.	Operator Variant	Camera Feature		Hardware Version	Software Version
		Rear Camera	Front Camera		
EA211002	AT&T	8MP	5MP	2.0	EA211002_1090U
EC211002	Cricket	8MP	5MP	2.0	EC211002_1090
EC211003	Cricket	8MP	2MP	2.0	EC211003_1090

Note:

1. From the above models, model: EA211002 was selected as representative model for the test and its data was recorded in this report.
2. The EUT description is from the customer declaration.

Antenna Information				
Ant. No.	Manufacturer	Model No.	Ant. Type	Ant. Gain (dBi)
0	INPAQ	MEBFL01007A	PIFA/LDS	-0.5

Working Frequency of Each Channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
00	2402 MHz	20	2422 MHz	40	2442 MHz	60	2462 MHz
01	2403 MHz	21	2423 MHz	41	2443 MHz	61	2463 MHz
02	2404 MHz	22	2424 MHz	42	2444 MHz	62	2464 MHz
03	2405 MHz	23	2425 MHz	43	2445 MHz	63	2465 MHz
04	2406 MHz	24	2426 MHz	44	2446 MHz	64	2466 MHz
05	2407 MHz	25	2427 MHz	45	2447 MHz	65	2467 MHz
06	2408 MHz	26	2428 MHz	46	2448 MHz	66	2468 MHz
07	2409 MHz	27	2429 MHz	47	2449 MHz	67	2469 MHz
08	2410 MHz	28	2430 MHz	8	2450 MHz	68	2470 MHz
09	2411 MHz	29	2431 MHz	49	2451 MHz	69	2471 MHz
10	2412 MHz	30	2432 MHz	50	2452 MHz	70	2472 MHz
11	2413 MHz	31	2433 MHz	51	2453 MHz	71	2473 MHz
12	2414 MHz	32	2434 MHz	52	2454 MHz	72	2474 MHz
13	2415 MHz	33	2435 MHz	53	2455 MHz	73	2475 MHz
14	2416 MHz	34	2436 MHz	54	2456 MHz	74	2476 MHz
15	2417 MHz	35	2437 MHz	55	2457 MHz	75	2477 MHz
16	2418 MHz	36	2438 MHz	56	2458 MHz	76	2478 MHz
17	2419 MHz	37	2439 MHz	57	2459 MHz	77	2479 MHz
18	2420 MHz	38	2440 MHz	58	2460 MHz	78	2480 MHz
19	2421 MHz	39	2441 MHz	59	2461 MHz		

Note:

1. This WCDMA/LTE Mobile Phone including WLAN 2.4GHz, WLAN 5GHz, Bluetooth and WWAN (WCDMA and LTE) transmitting and receiving functions.
2. Regards to the frequency band operation; the lowest、middle and highest frequency of channel were selected to perform the test, and then shown on this report.
3. The EUT description is from the customer declaration.

1.2. Test Mode

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

Test Mode	Mode 1: Transmit

Test Items	Modulation	Channel	Result
AC Power Line Conducted Emission	8-DPSK	78	Complies
Maximum Peak Conducted Output Power	GFSK / 8-DPSK	00/39/78	Complies
Radiated Emission Below 1GHz	8-DPSK	78	Complies
Radiated Emission Above 1GHz	GFSK / 8-DPSK	00/39/78	Complies
Antenna Port Conducted Emission	GFSK / 8-DPSK	00/39/78	Complies
Band Edge	GFSK / 8-DPSK	00/39/78	Complies
Number of Hopping Frequency	GFSK	Hopping mode	Complies
Carrier Frequency Separation	GFSK / 8-DPSK	00/39/78	Complies
20dB Bandwidth	GFSK / 8-DPSK	00/39/78	Complies
Dwell Time	GFSK / 8-DPSK	00/39/78	Complies

Note:

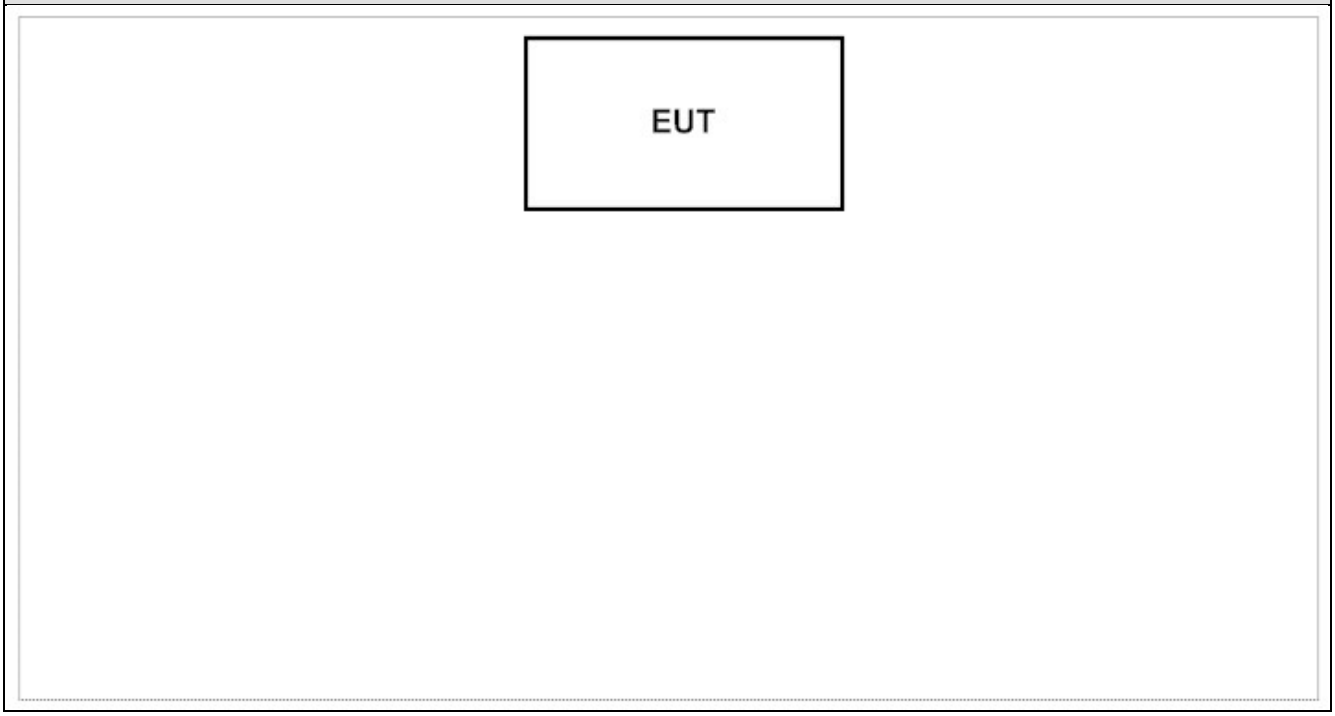
1. Determining compliance shall be based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.
2. The EUT was performed at X axis, Y axis and Z axis position for radiated emission and band edge tests. The worst case was found at Z axis, so the measurement will follow this same test configuration.
3. For AC power line conducted emission and below 1 GHz radiated emission have performed all modes of operation were investigated and the worst-case emissions are reported.

1.3. Tested System Details

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

N/A

1.4. Configuration of tested System

Connection Diagram


1.5. EUT Exercise Software

1	Set the EUT as shown.
2	Key in the *#*#3646633#*#* from dial.
3	Start engineering mode.
4	Configure test mode, test channel and data rate.
5	Let the EUT start sending transmit continuously.
6	Verify that device is working properly

1.6. 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.

1.7. Test Facility

Ambient conditions in the laboratory:

Items	Test Item	Required	Test Site
Temperature (°C)	FCC PART 15 C 15.207	15 - 35	1
Humidity (%RH)	AC power Line Conducted Emission	25 - 75	
Temperature (°C)	FCC PART 15 C 15.247	15 - 35	2
Humidity (%RH)	Maximum Peak conducted output power	25 - 75	
Temperature (°C)	FCC PART 15 C 15.247	15 - 35	2
Humidity (%RH)	Radiated Emission	25 - 75	
Temperature (°C)	FCC PART 15 C 15.247	15 - 35	2
Humidity (%RH)	Antenna Port Conducted Emission	25 - 75	
Temperature (°C)	FCC PART 15 C 15.247	15 - 35	2
Humidity (%RH)	Band edge	25 - 75	
Temperature (°C)	FCC PART 15 C 15.247	15 - 35	2
Humidity (%RH)	Number of hopping Frequency	25 - 75	
Temperature (°C)	FCC PART 15 C 15.247	15 - 35	2
Humidity (%RH)	Carrier Frequency Separation	25 - 75	
Temperature (°C)	FCC PART 15 C 15.247	15 - 35	2
Humidity (%RH)	20dB Bandwidth	25 - 75	
Temperature (°C)	FCC PART 15 C 15.247	15 - 35	2
Humidity (%RH)	Dwell Time	25 - 75	

Note: Test site information refers to Laboratory Information.

Laboratory Information

USA	**:**	**FCC Registration Number: TW3024**
Canada	**:**	**IC Registration Number: 22397-1 / 22397-2 / 22397-3**

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

1.8. List of Test Equipment

AC power Line Conducted Emission / SR2-H

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Artificial Mains Network	R&S	ENV4200	848411/010	2020/12/24	2021/12/23
Test Receiver	R&S	ESCS 30	836858/022	2021/02/22	2022/02/21
LISN	R&S	ENV216	100092	2020/06/22	2021/06/21

Radiated / 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	2020/06/24	2021/06/23
EXA Signal Analyzer	Keysight	N9010A	MY51440132	2021/01/25	2022/01/24
Bilog Antenna	Teseq	CBL6112D	23191	2021/02/26	2022/02/25
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
Band Reject Filter	Micro-Tronics	BRM50702	G192	2021/03/04	2022/03/03
Band Reject Filter	Micro-Tronics	BRM50716	G089	2021/03/11	2022/03/10

Conducted / SR12-H

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
High Speed Peak Power Meter Dual Input	Anritsu	ML2496A	1602004	2020/11/30	2021/11/29
Pulse Power Sensor	Anritsu	MA2411B	1531043	2020/11/30	2021/11/29
EXA Signal Analyzer	Keysight	N9010A	MY51440132	2021/01/25	2022/01/24
Pulse Power Sensor	Anritsu	MA2411B	1531044	2020/11/30	2021/11/29
Power Meter	Keysight	8990B	MY51000248	2021/05/21	2022/05/20
Power Sensor	Keysight	N1923A	MY57240005	2021/05/21	2022/05/20
Spectrum Analyzer	Keysight	N9030B	MY57140404	2021/05/14	2022/05/13
Spectrum Analyzer	Keysight	N9010B	MY57110159	2021/03/29	2022/03/28
Spectrum Analyzer	Agilent	N9010A	US47140172	2020/06/18	2021/06/17

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

1.9. Uncertainty

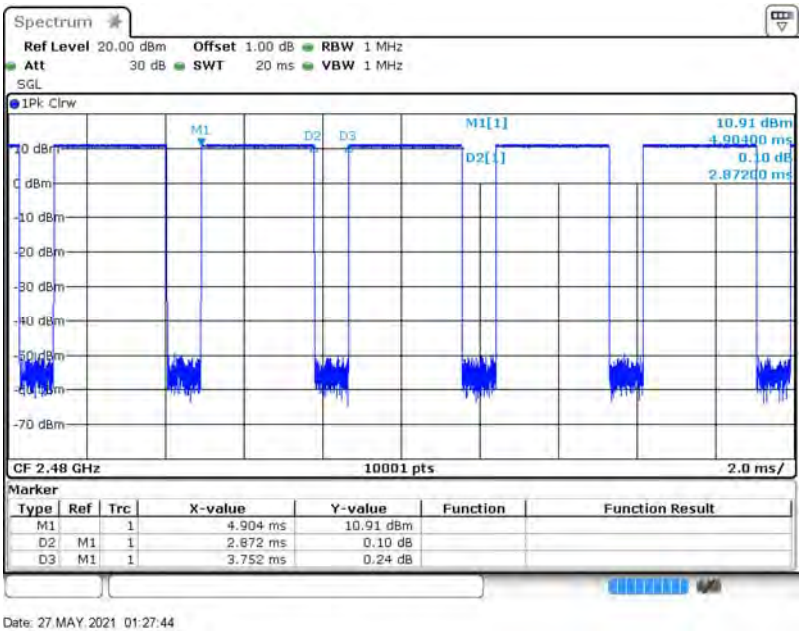
Test item	Uncertainty
AC power Line Conducted Emission	± 2.26 dB
Maximum Peak Conducted Output Power	± 1.27 dB
Radiated Emission	30MHz~1GHz as ±3.43 dB 1GHz~26.5Ghz as ±3.65 dB
Antenna Port Conducted Emission	± 1.27 dB
Band Edge	± 1.27 dB
Number of Hopping Frequency	± 1.27 dB
Carrier Frequency Separation	± 50 Hz
20dB Bandwidth	± 50 Hz
Dwell Time	± 25 msec

1.10. Duty Cycle

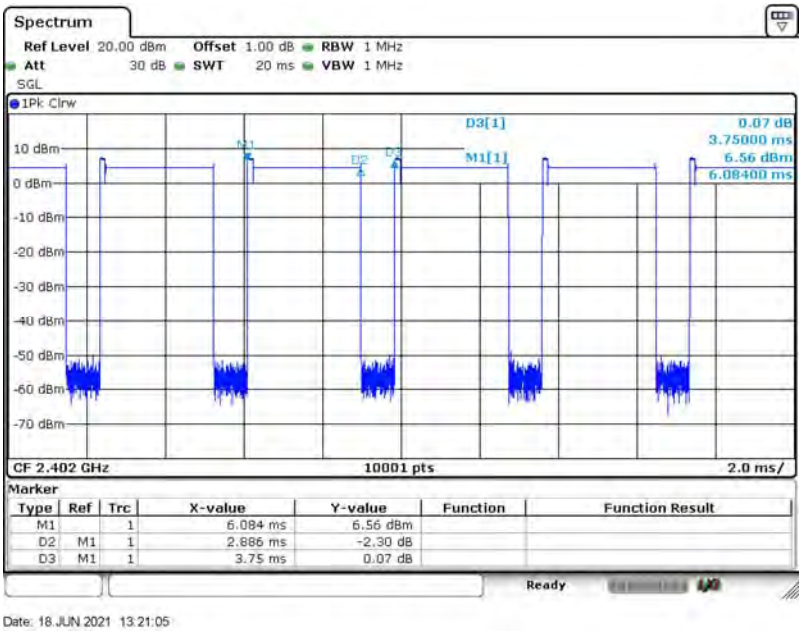
Mode	On Time (ms)	On+Off Time (ms)	Duty Cycle (%)	Duty Factor(dB) linear voltage	Duty Factor(dB) Power	1/T Minimum VBW (kHz)
DH5	2.872	3.752	76.55%	2.321568	1.16	0.348
3DH5	2.886	3.750	76.96%	2.274699	1.14	0.347

Note: If the duty cycle correction factor lower than -20dB, the Max. duty cycle correction factor is -20dB.

DH5

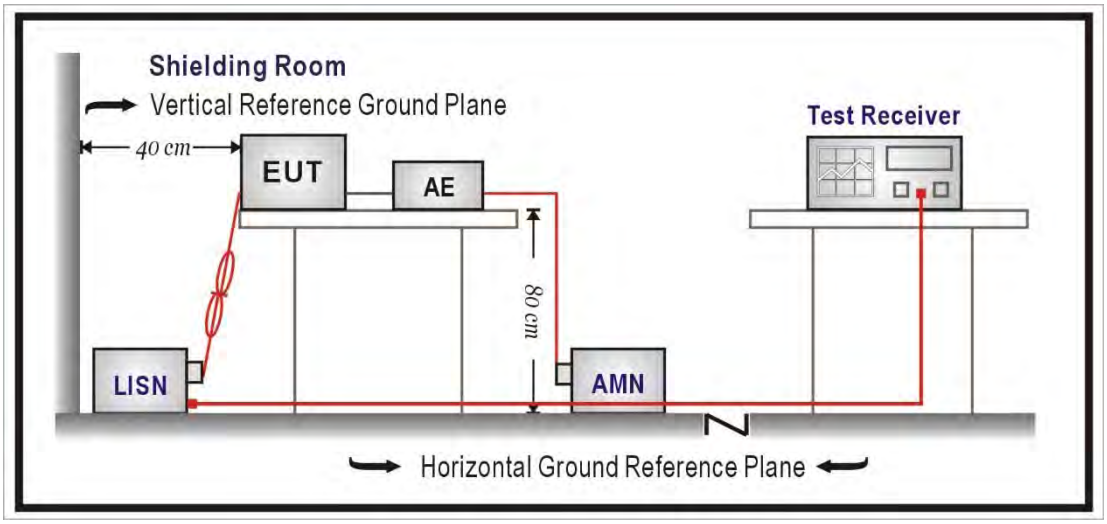


3DH5



2. AC Power Line Conducted Emission

2.1. Test Setup



2.2. Limits

FCC Part 15 Subpart C Paragraph 15.207 Limits (dBuV)		
Frequency	QP	AV
0.15 - 0.50	66 - 56	56 - 46
0.50 - 5.0	56	46
5.0 - 30	60	50

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

2.3. 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 refer 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 according to ANSI C63.10: 2013 on conducted measurement.

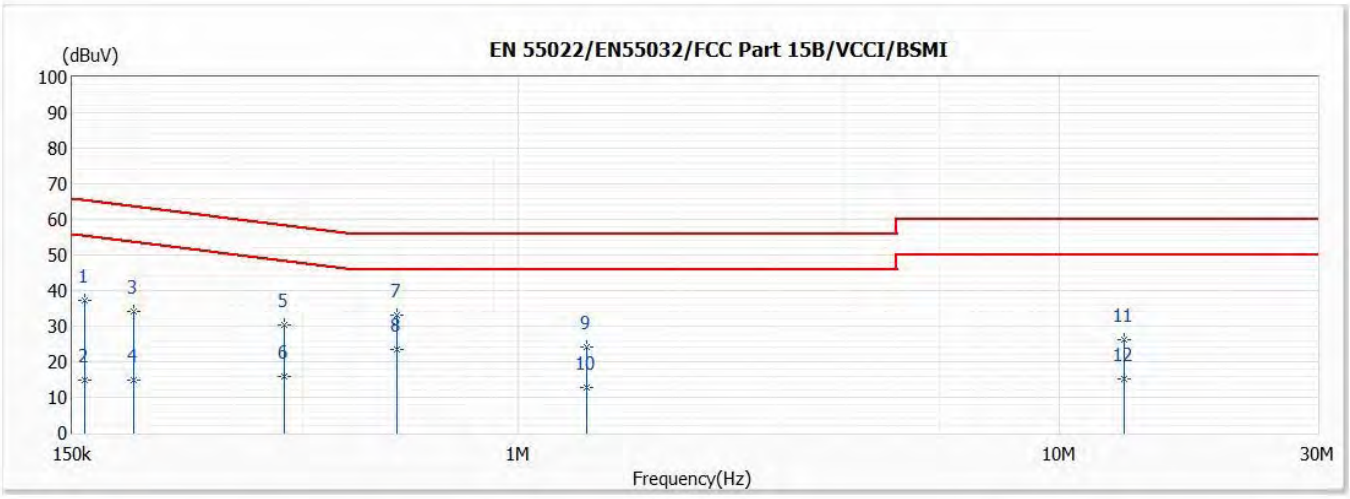
Conducted emissions were invested over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9 kHz.

2.4. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.207: 2019

2.5. Test Result

Model No	EA211002	Site	SR2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/5/25
Test Mode	Mode1: Transmit	Engineer	Scott Lin
Phase	L	Temperature (℃)	25.5
Test Condition	3DH5_2480MHz	Humidity (%RH)	55



No	Frequency (MHz)	Emission Level (dBuV)	Limit (dBuV)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	0.158	37.14	65.59	-28.45	27.49	9.65	QP
2	0.158	14.99	55.59	-40.60	5.34	9.65	AV
3	0.195	34.14	63.84	-29.70	24.49	9.65	QP
4	0.195	14.86	53.84	-38.98	5.21	9.65	AV
5	0.369	30.42	58.51	-28.09	20.74	9.68	QP
6	0.369	15.69	48.51	-32.82	6.01	9.68	AV
7	0.595	32.98	56.00	-23.02	23.28	9.70	QP
*8	0.595	23.43	46.00	-22.57	13.73	9.70	AV
9	1.336	24.20	56.00	-31.80	14.44	9.76	QP
10	1.336	12.77	46.00	-33.23	3.01	9.76	AV
11	13.196	26.35	60.00	-33.65	16.14	10.21	QP
12	13.196	15.22	50.00	-34.78	5.01	10.21	AV

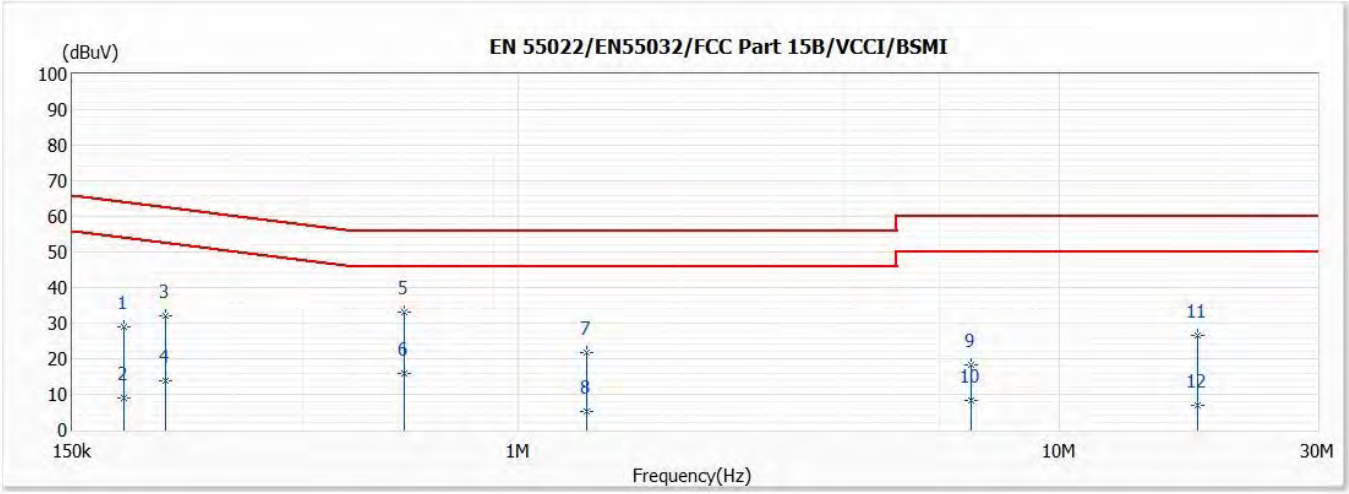
Remark:

1. "*" means this data is the worst emission level.

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

3. Margin = Emission Level - Limit.

Model No	EA211002	Site	SR2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/5/25
Test Mode	Mode1: Transmit	Engineer	Scott Lin
Phase	N	Temperature (℃)	25.5
Test Condition	3DH5_2480MHz	Humidity (%RH)	55



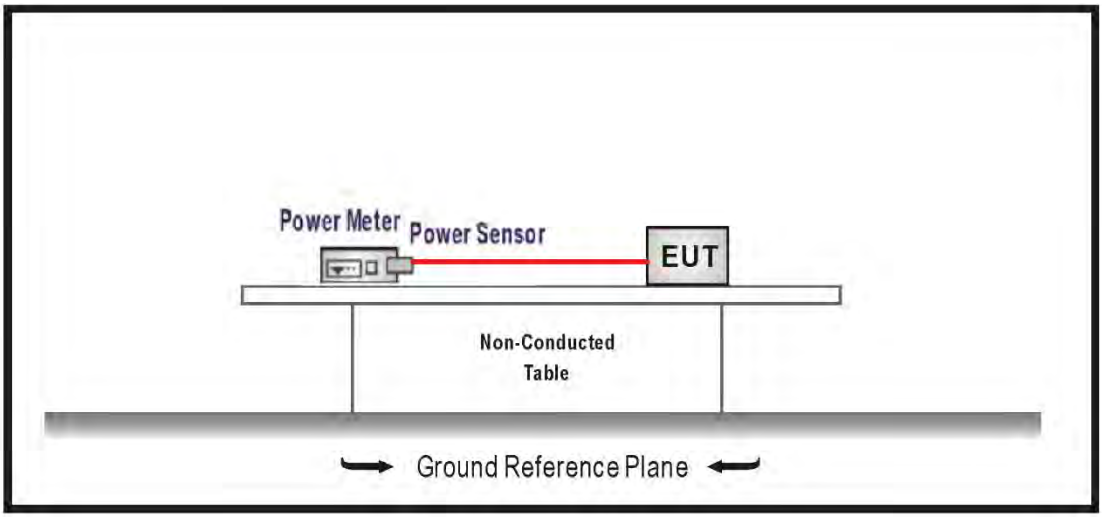
No	Frequency (MHz)	Emission Level (dBuV)	Limit (dBuV)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	0.186	28.85	64.20	-35.35	19.22	9.63	QP
2	0.186	9.01	54.20	-45.19	-0.62	9.63	AV
3	0.223	32.00	62.71	-30.71	22.36	9.64	QP
4	0.223	13.93	52.71	-38.78	4.29	9.64	AV
*5	0.617	33.00	56.00	-23.00	23.31	9.69	QP
6	0.617	15.85	46.00	-30.15	6.16	9.69	AV
7	1.341	21.59	56.00	-34.41	11.85	9.74	QP
8	1.341	5.07	46.00	-40.93	-4.67	9.74	AV
9	6.872	18.17	60.00	-41.83	8.16	10.01	QP
10	6.872	8.13	50.00	-41.87	-1.88	10.01	AV
11	17.967	26.44	60.00	-33.56	15.98	10.46	QP
12	17.967	6.78	50.00	-43.22	-3.68	10.46	AV

Remark:

1. "*" means this data is the worst emission level.
2. Emission Level = Reading Level + Correct Factor (Correct Factor = LISN Insertion Loss + Cable Loss).
3. Margin = Emission Level - Limit.

3. Maximum Peak Conducted Output Power

3.1. Test Setup



3.2. Limits

For frequency hopping systems operating in the 902-928 MHz band: 1 Watt for systems employing at least 50 hopping channels; and, 0.25 Watts for systems employing less than 50 hopping channels.
For frequency hopping systems operating in the 2400-2483.5 MHz band employing at least 75 non-overlapping hopping channels, and all frequency hopping systems in the 5725-5850 MHz band: 1 watt. For all other frequency hopping systems in the 2400-2483.5 MHz band: 0.125 watts.

3.3. Test procedures

The EUT was setup according to ANSI C63.10: 2013 and tested according to FHSS test procedure of FCC KDB 558074 D01 v05r02 for compliance to FCC 47CFR 15.247 requirements

3.4. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2019.

3.5. Test Result

Product Name	WCDMA/LTE Mobile Phone		
Test Mode	Mode 1: Transmit		
Date of Test	2021/06/09	Test Site	SR12-H
Temperature(°C)	24.0	Humidity (%RH)	65.0

GFSK

Channel No.	Frequency (MHz)	Measure Value (dBm)	Limit (dBm)
00	2402	9.800	≦30
39	2441	9.480	≦30
78	2480	10.000	≦30

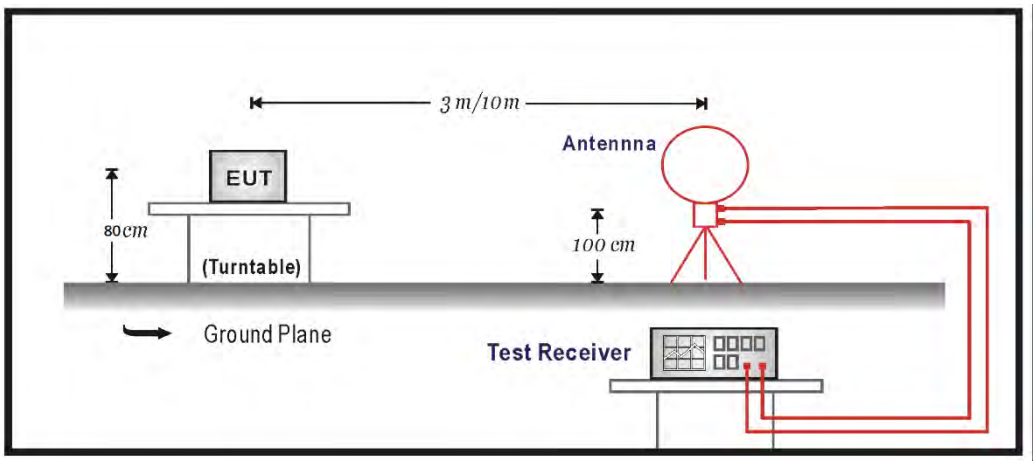
8-DPSK

Channel No.	Frequency (MHz)	Measure Value (dBm)	Limit (dBm)
00	2402	2.650	≦30
39	2441	3.440	≦30
78	2480	2.030	≦30

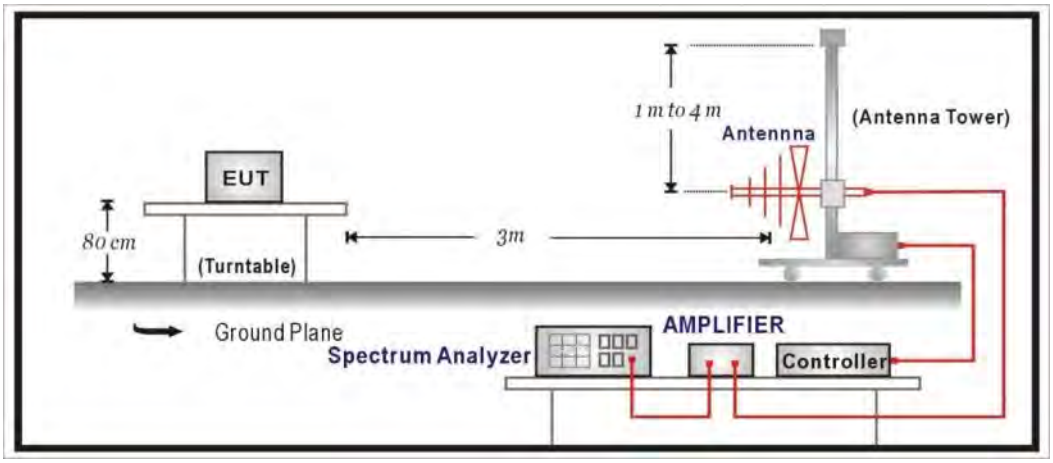
4. Radiated Emission

4.1. Test Setup

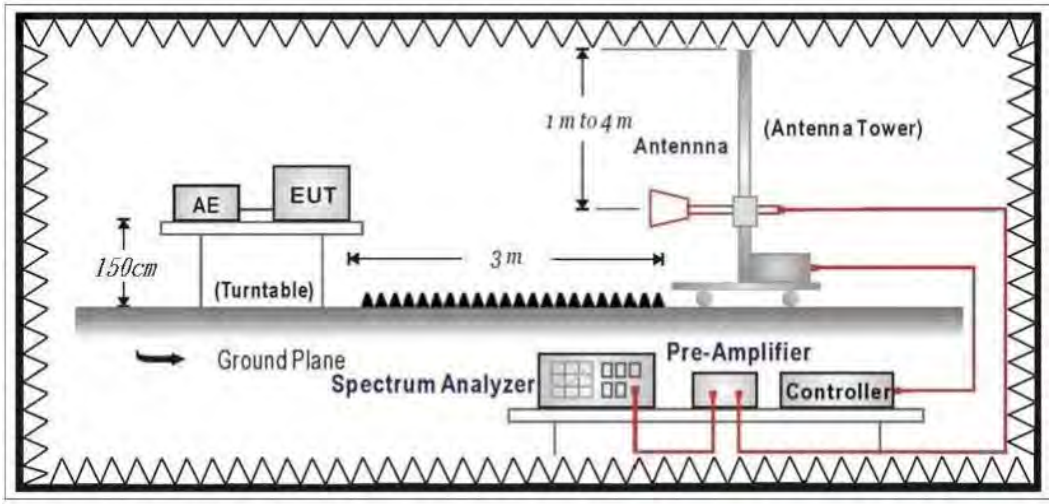
Under 30MHz Test Setup:



Under 1GHz Test Setup:



Above 1GHz Test Setup:



4.2. Limits

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 20dB below the level of the fundamental or to the general radiated emission limits in paragraph 15.209, whichever is the lesser attenuation.

FCC Part 15 Subpart C Paragraph 15.209 Limits		
Frequency (MHz)	uV/m	dBuV/m
30-88	100	40
88-216	150	43.5
216-960	200	46
Above 960	500	54

Remarks: 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.

4.3. Test Procedure

The EUT was setup according to ANSI C63.10: 2013 and tested according to FHSS test procedure of FCC KDB 558074 D01 v05r02 for compliance to FCC 47CFR 15.247 requirements.

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 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.

On any frequency or frequencies form 9kHz(inculde The the lowest oscillator frequency generated within the device up to the 10th harmonic) to 1000 MHz, the limits shown are based on measuring equipment employing a quasi-peak detector function and on any frequency or frequencies above 1000 MHz the radiated limits shown are based upon the use of measurement instrumentation employing an average detector function. When average radiated emission measurement are included emission measurement below 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. The bandwidth below 1GHz setting on the field strength meter is 120 kHz and above 1GHz is 1MHz.

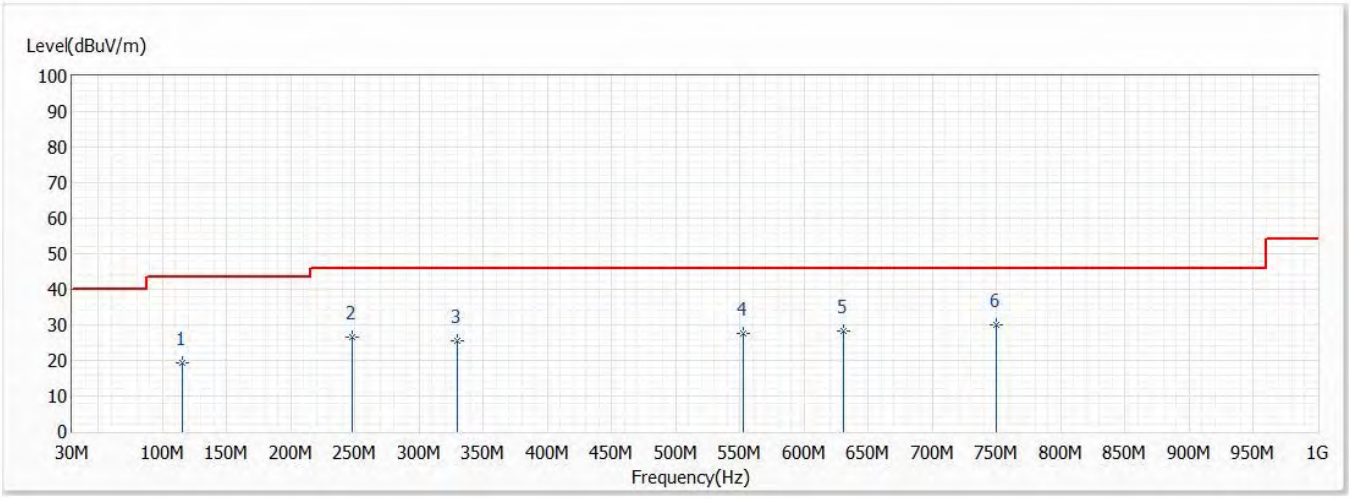
4.4. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2019

4.5. Test Result

30MHz-1GHz Spurious

Model No	EA211002	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2021/5/21
Test Mode	Mode1: Transmit	Engineer	Rueyyan Lin
Polarity	Horizontal	Temperature (℃)	24.4
Test Condition	3DH5,Ch 78,2.48G	Humidity (%RH)	59.0

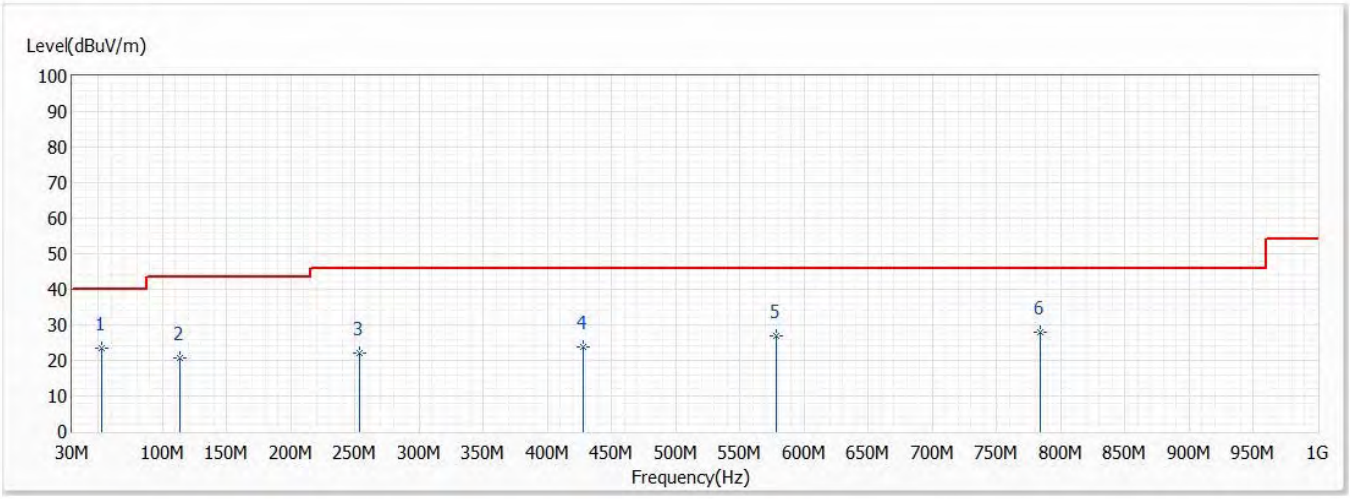


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	115.360	19.30	43.50	-24.20	23.36	-4.06	QP
2	247.765	26.53	46.00	-19.47	30.56	-4.03	QP
3	329.730	25.41	46.00	-20.59	27.53	-2.12	QP
4	552.830	27.44	46.00	-18.56	23.85	3.59	QP
5	630.430	28.16	46.00	-17.84	23.85	4.31	QP
* 6	749.255	30.08	46.00	-15.92	24.90	5.18	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	EA211002	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2021/5/21
Test Mode	Mode1: Transmit	Engineer	Rueyyan Lin
Polarity	Vertical	Temperature (℃)	24.4
Test Condition	3DH5,Ch 78,2.48G	Humidity (%RH)	59.0



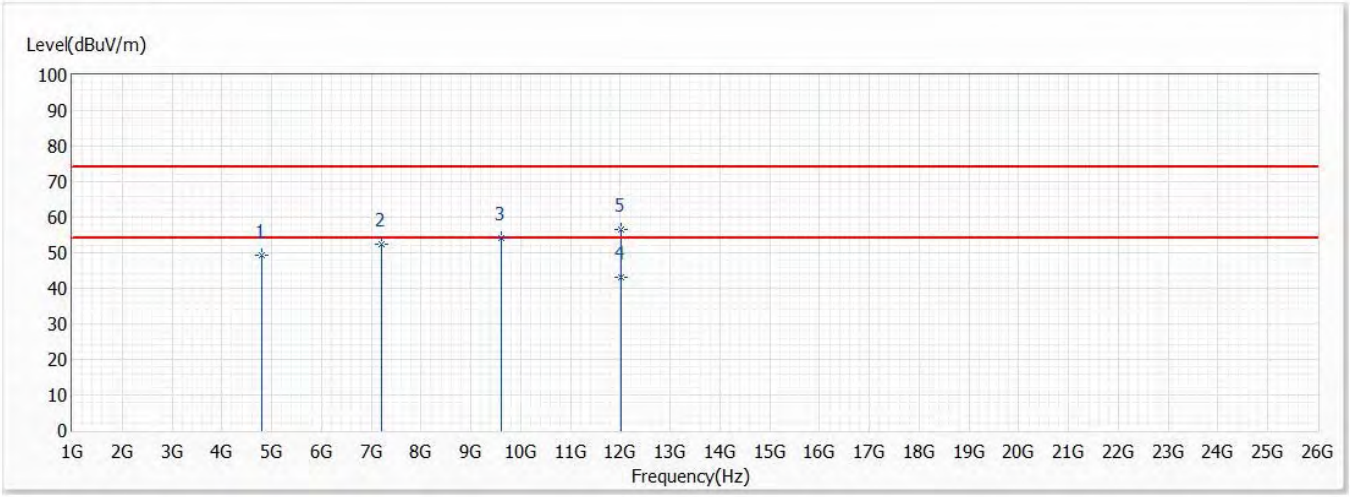
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	52.795	23.34	40.00	-16.66	33.05	-9.71	QP
2	113.420	20.85	43.50	-22.65	24.96	-4.11	QP
3	253.585	21.96	46.00	-24.04	25.27	-3.31	QP
4	428.185	23.96	46.00	-22.04	23.03	0.93	QP
5	578.050	27.01	46.00	-18.99	23.47	3.54	QP
6	784.175	27.89	46.00	-18.11	22.47	5.42	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.

Harmonic & Spurious:

Model No	EA211002	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2021/5/22
Test Mode	Mode1: Transmit	Engineer	Rueyyan Lin
Polarity	Horizontal	Temperature (℃)	24.4
Test Condition	DH5,Ant0,Ch 0,2.402G	Humidity (%RH)	59.0



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	4804.000	49.25	74.00	-24.75	50.73	-1.48	PK
2	7206.000	52.34	74.00	-21.66	46.12	6.22	PK
3	9608.000	54.12	74.00	-19.88	42.74	11.38	PK
* 4	12010.000	43.12	54.00	-10.88	29.70	13.42	AV
5	12010.000	56.49	74.00	-17.51	43.07	13.42	PK

Note:

1.All reading above 1GHz is performed with peak and/or average measurements as necessary.

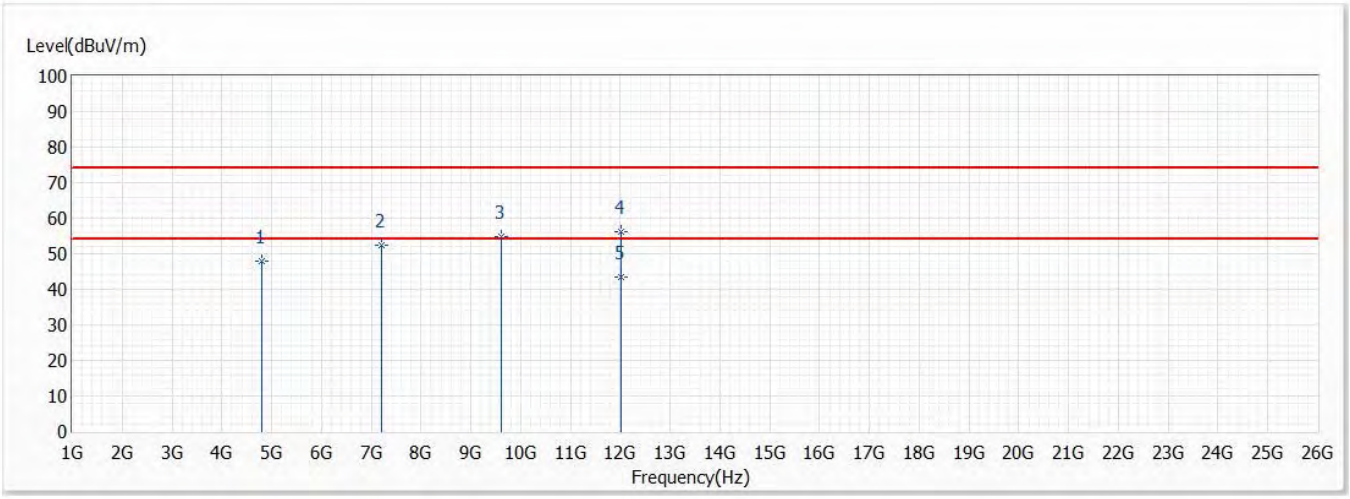
2. “ * ”, means this data is the worst value.

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 13GHz were not included is because their levels are lower than 20dB form limit.

Model No	EA211002	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2021/5/22
Test Mode	Mode1: Transmit	Engineer	Rueyyan Lin
Polarity	Vertical	Temperature (℃)	24.4
Test Condition	DH5,Ant0,Ch 0,2.402G	Humidity (%RH)	59.0



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	4804.000	47.95	74.00	-26.05	49.43	-1.48	PK
2	7206.000	52.25	74.00	-21.75	46.03	6.22	PK
3	9608.000	54.75	74.00	-19.25	43.37	11.38	PK
4	12010.000	56.22	74.00	-17.78	42.80	13.42	PK
* 5	12010.000	43.35	54.00	-10.65	29.93	13.42	AV

Note:

1.All reading above 1GHz is performed with peak and/or average measurements as necessary.

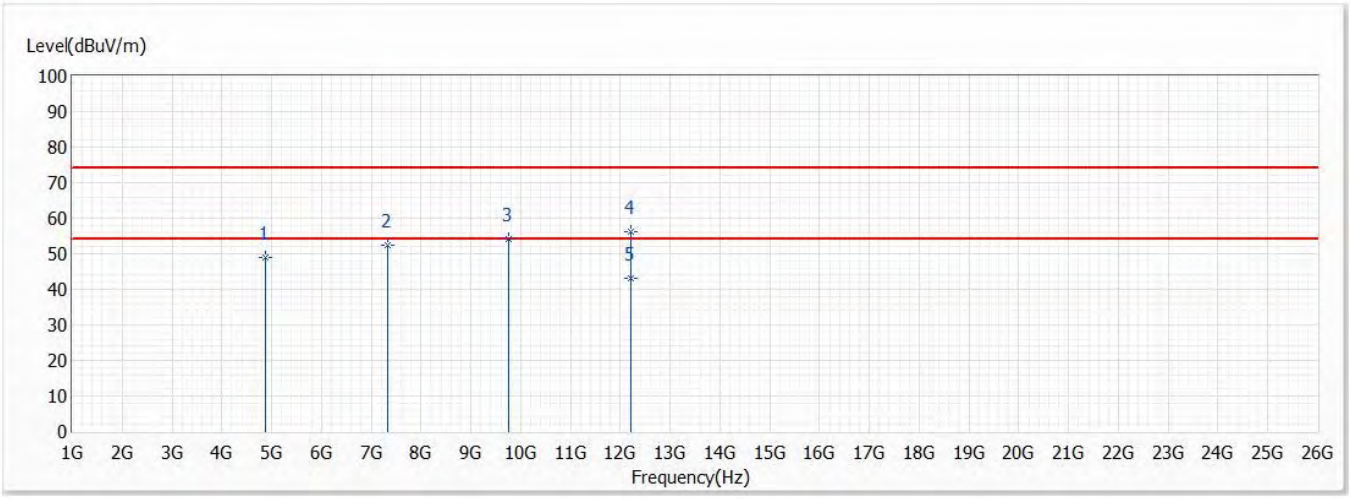
2. “ * ”, means this data is the worst value.

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 13GHz were not included is because their levels are lower than 20dB form limit.

Model No	EA211002	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2021/5/22
Test Mode	Mode1: Transmit	Engineer	Rueyyan Lin
Polarity	Horizontal	Temperature (℃)	24.4
Test Condition	DH5,Ant0,Ch 39,2.441G	Humidity (%RH)	59.0



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	4882.000	49.12	74.00	-24.88	50.51	-1.39	PK
2	7323.000	52.35	74.00	-21.65	46.13	6.22	PK
3	9764.000	54.23	74.00	-19.77	42.53	11.70	PK
4	12205.000	56.16	74.00	-17.84	42.61	13.55	PK
* 5	12205.000	43.25	54.00	-10.75	29.70	13.55	AV

Note:

1.All reading above 1GHz is performed with peak and/or average measurements as necessary.

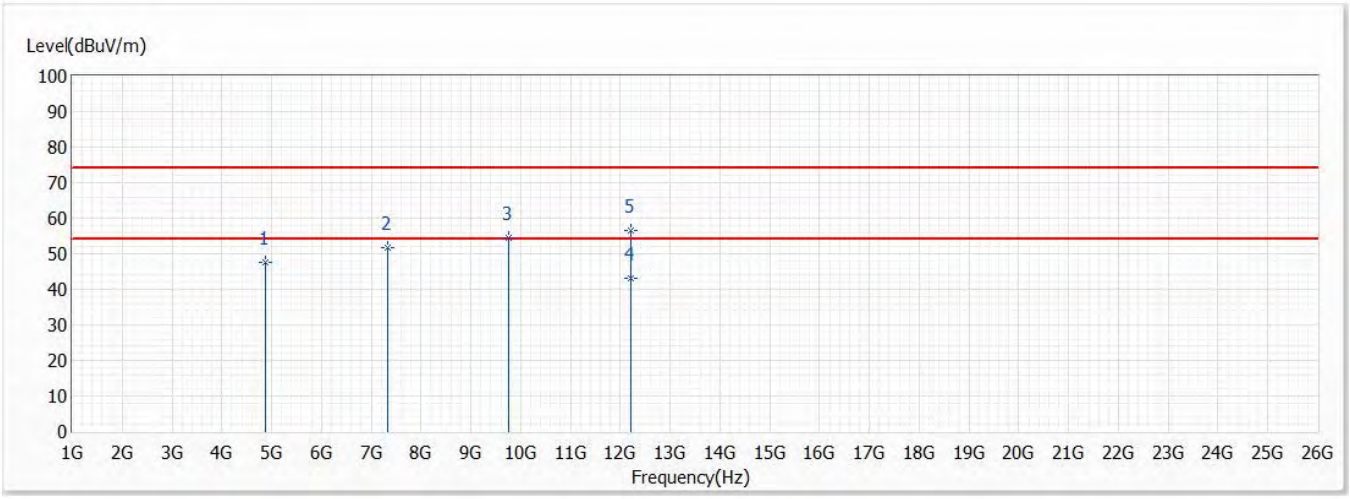
2. “ * ”, means this data is the worst value.

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 13GHz were not included is because their levels are lower than 20dB form limit.

Model No	EA211002	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2021/5/22
Test Mode	Mode1: Transmit	Engineer	Rueyyan Lin
Polarity	Vertical	Temperature (℃)	24.4
Test Condition	DH5,Ant0,Ch 39,2.441G	Humidity (%RH)	59.0



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	4882.000	47.68	74.00	-26.32	49.07	-1.39	PK
2	7323.000	51.88	74.00	-22.12	45.66	6.22	PK
3	9764.000	54.63	74.00	-19.37	42.93	11.70	PK
* 4	12205.000	43.11	54.00	-10.89	29.56	13.55	AV
5	12205.000	56.42	74.00	-17.58	42.87	13.55	PK

Note:

1.All reading above 1GHz is performed with peak and/or average measurements as necessary.

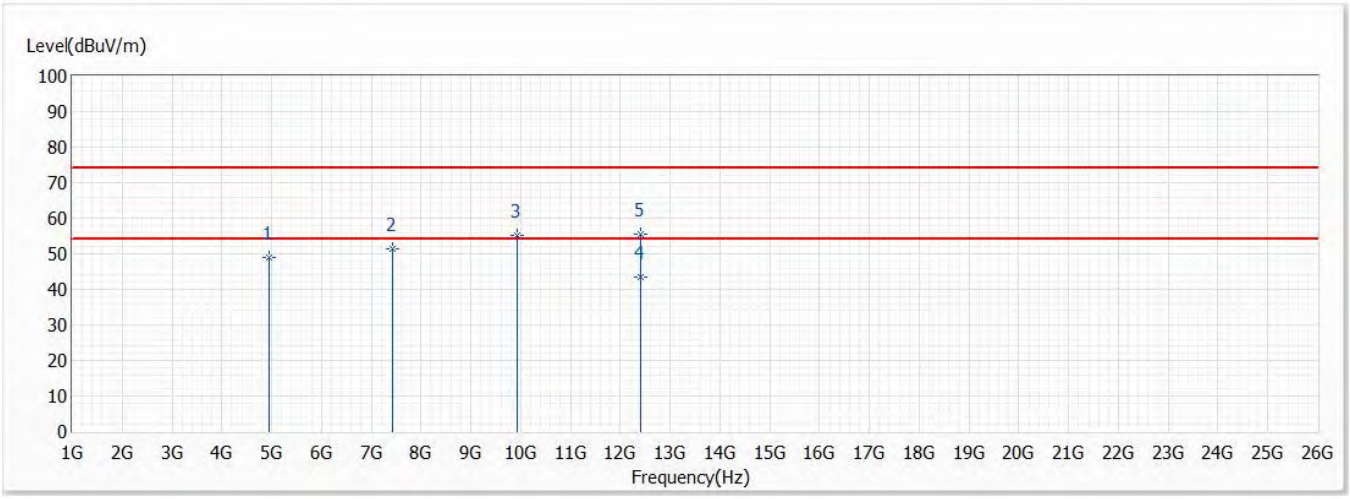
2. “ * ”, means this data is the worst value.

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 13GHz were not included is because their levels are lower than 20dB form limit.

Model No	EA211002	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2021/5/22
Test Mode	Mode1: Transmit	Engineer	Rueyyan Lin
Polarity	Horizontal	Temperature (℃)	24.4
Test Condition	DH5,Ant0,Ch 78,2.48G	Humidity (%RH)	59.0



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	4960.000	48.88	74.00	-25.12	50.03	-1.15	PK
2	7440.000	51.35	74.00	-22.65	44.54	6.81	PK
3	9920.000	55.17	74.00	-18.83	43.20	11.97	PK
* 4	12400.000	43.35	54.00	-10.65	30.30	13.05	AV
5	12400.000	55.64	74.00	-18.36	42.59	13.05	PK

Note:

1.All reading above 1GHz is performed with peak and/or average measurements as necessary.

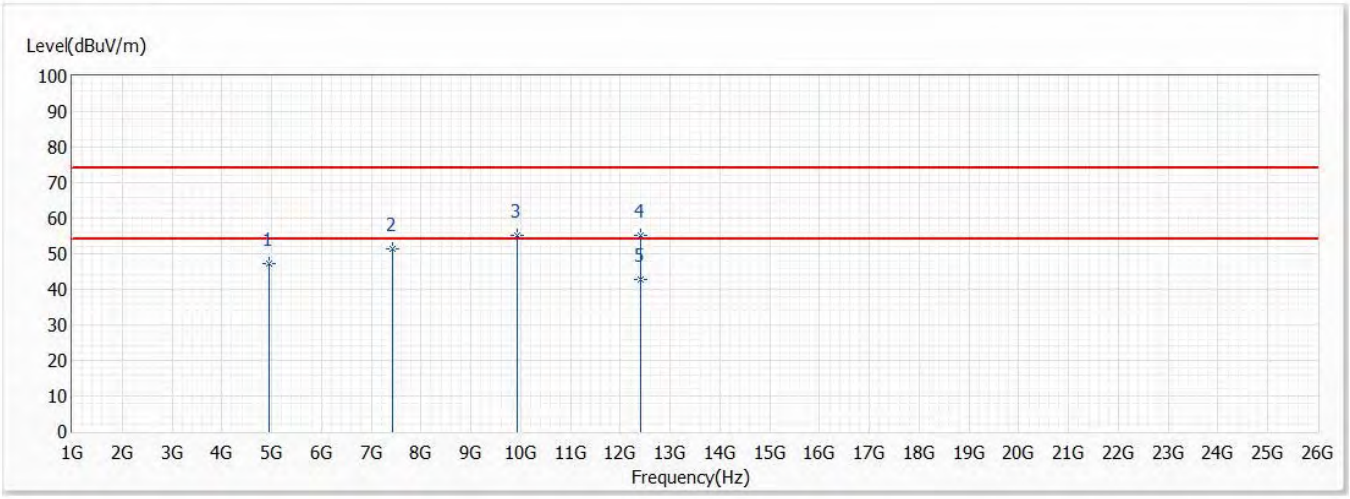
2. “ * ”, means this data is the worst value.

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 13GHz were not included is because their levels are lower than 20dB form limit.

Model No	EA211002	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2021/5/22
Test Mode	Mode1: Transmit	Engineer	Rueyyan Lin
Polarity	Vertical	Temperature (℃)	24.4
Test Condition	DH5,Ant0,Ch 78,2.48G	Humidity (%RH)	59.0



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	4960.000	47.10	74.00	-26.90	48.25	-1.15	PK
2	7440.000	51.23	74.00	-22.77	44.42	6.81	PK
3	9920.000	55.12	74.00	-18.88	43.15	11.97	PK
4	12400.000	55.12	74.00	-18.88	42.07	13.05	PK
* 5	12400.000	42.89	54.00	-11.11	29.84	13.05	AV

Note:

1.All reading above 1GHz is performed with peak and/or average measurements as necessary.

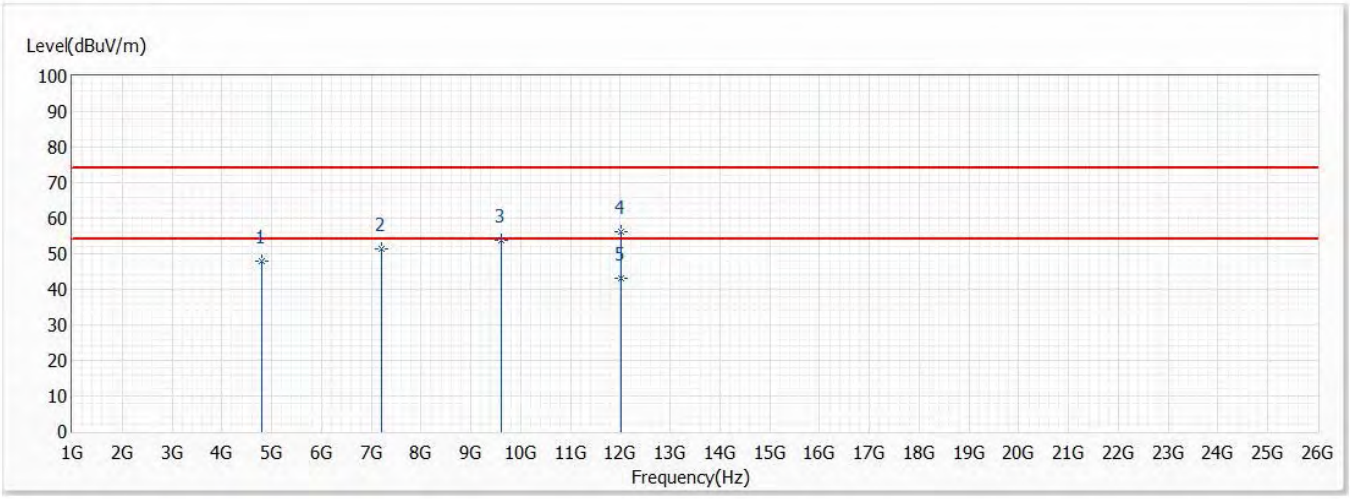
2. “ * ”, means this data is the worst value.

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 13GHz were not included is because their levels are lower than 20dB form limit.

Model No	EA211002	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2021/5/22
Test Mode	Mode1: Transmit	Engineer	Rueyyan Lin
Polarity	Horizontal	Temperature (℃)	24.4
Test Condition	3-DH5,Ant0,Ch 0,2.402G	Humidity (%RH)	59.0



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	4804.000	47.99	74.00	-26.01	49.47	-1.48	PK
2	7206.000	51.52	74.00	-22.48	45.30	6.22	PK
3	9608.000	53.68	74.00	-20.32	42.30	11.38	PK
4	12010.000	56.35	74.00	-17.65	42.93	13.42	PK
* 5	12010.000	43.27	54.00	-10.73	29.85	13.42	AV

Note:

1.All reading above 1GHz is performed with peak and/or average measurements as necessary.

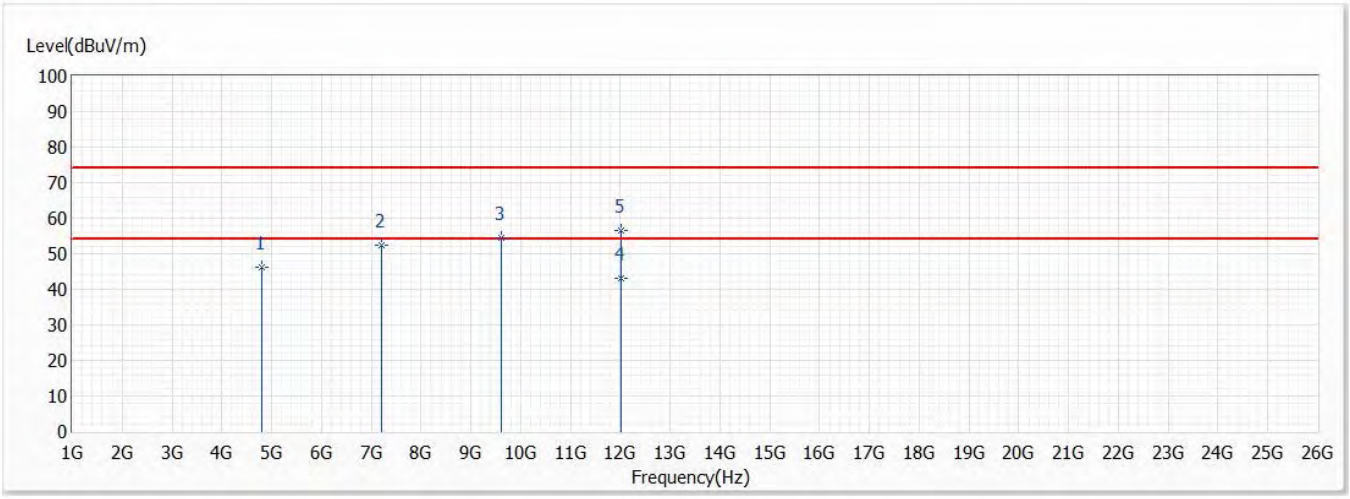
2. “ * ”, means this data is the worst value.

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 13GHz were not included is because their levels are lower than 20dB form limit.

Model No	EA211002	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2021/5/22
Test Mode	Mode1: Transmit	Engineer	Rueyyan Lin
Polarity	Vertical	Temperature (℃)	24.4
Test Condition	3-DH5,Ant0,Ch 0,2.402G	Humidity (%RH)	59.0



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	4804.000	46.11	74.00	-27.89	47.59	-1.48	PK
2	7206.000	52.28	74.00	-21.72	46.06	6.22	PK
3	9608.000	54.41	74.00	-19.59	43.03	11.38	PK
* 4	12010.000	43.05	54.00	-10.95	29.63	13.42	AV
5	12010.000	56.42	74.00	-17.58	43.00	13.42	PK

Note:

1.All reading above 1GHz is performed with peak and/or average measurements as necessary.

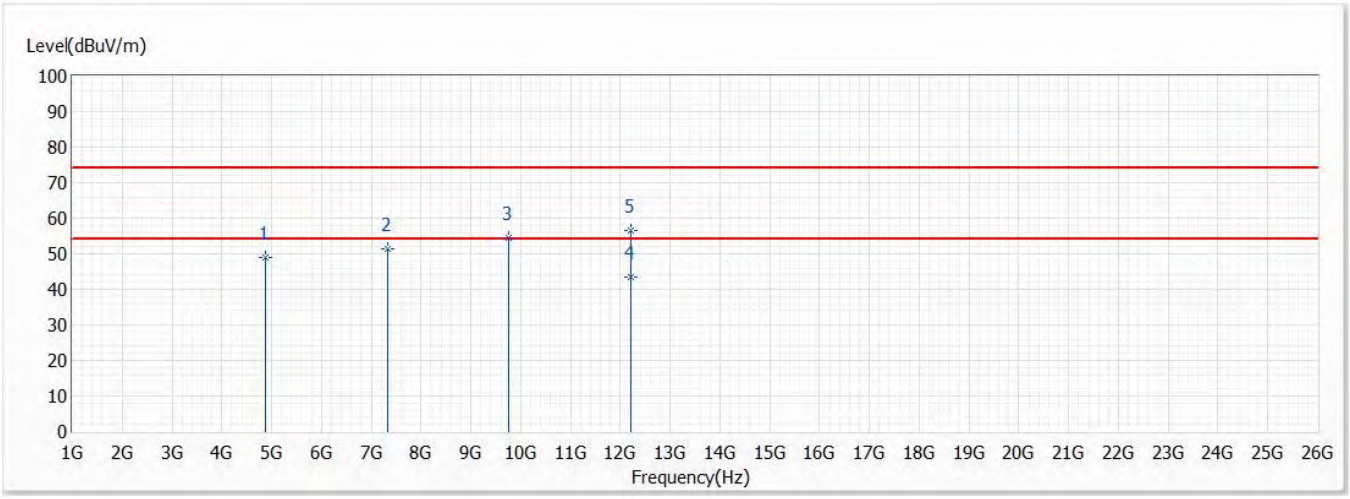
2. “ * ”, means this data is the worst value.

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 13GHz were not included is because their levels are lower than 20dB form limit.

Model No	EA211002	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2021/5/22
Test Mode	Mode1: Transmit	Engineer	Rueyyan Lin
Polarity	Horizontal	Temperature (℃)	24.4
Test Condition	3-DH5,Ant0,Ch 39,2.441G	Humidity (%RH)	59.0



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	4882.000	48.95	74.00	-25.05	50.34	-1.39	PK
2	7323.000	51.29	74.00	-22.71	45.07	6.22	PK
3	9764.000	54.33	74.00	-19.67	42.63	11.70	PK
* 4	12205.000	43.35	54.00	-10.65	29.80	13.55	AV
5	12205.000	56.56	74.00	-17.44	43.01	13.55	PK

Note:

1.All reading above 1GHz is performed with peak and/or average measurements as necessary.

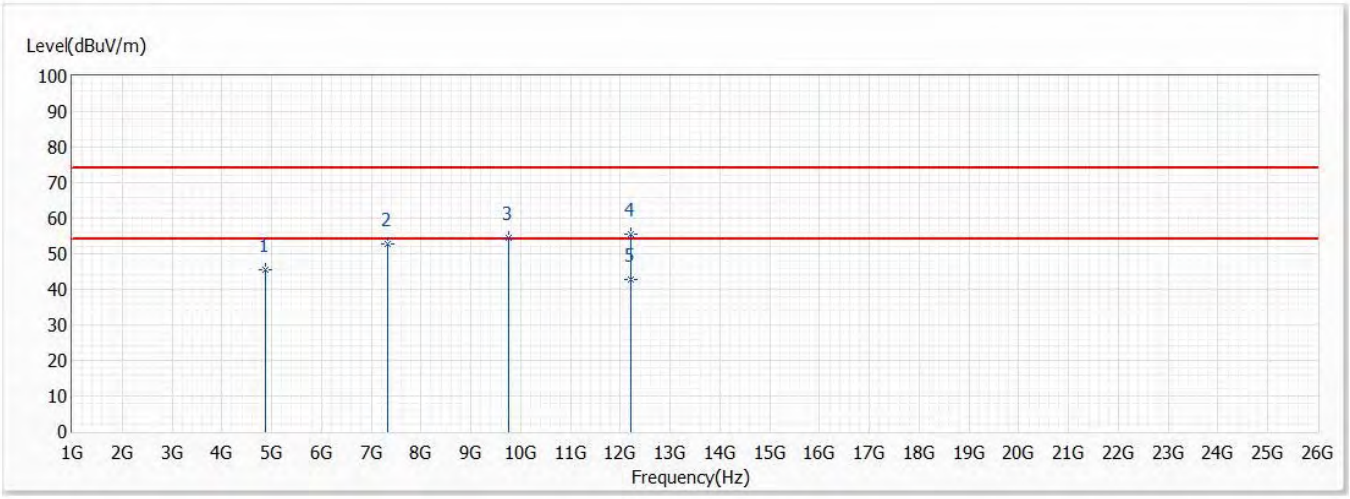
2. “ * ”, means this data is the worst value.

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 13GHz were not included is because their levels are lower than 20dB form limit.

Model No	EA211002	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2021/5/22
Test Mode	Mode1: Transmit	Engineer	Rueyyan Lin
Polarity	Vertical	Temperature (℃)	24.4
Test Condition	3-DH5,Ant0,Ch 39,2.441G	Humidity (%RH)	59.0



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	4882.000	45.63	74.00	-28.37	47.02	-1.39	PK
2	7323.000	52.65	74.00	-21.35	46.43	6.22	PK
3	9764.000	54.55	74.00	-19.45	42.85	11.70	PK
4	12205.000	55.63	74.00	-18.37	42.08	13.55	PK
* 5	12205.000	42.88	54.00	-11.12	29.33	13.55	AV

Note:

1.All reading above 1GHz is performed with peak and/or average measurements as necessary.

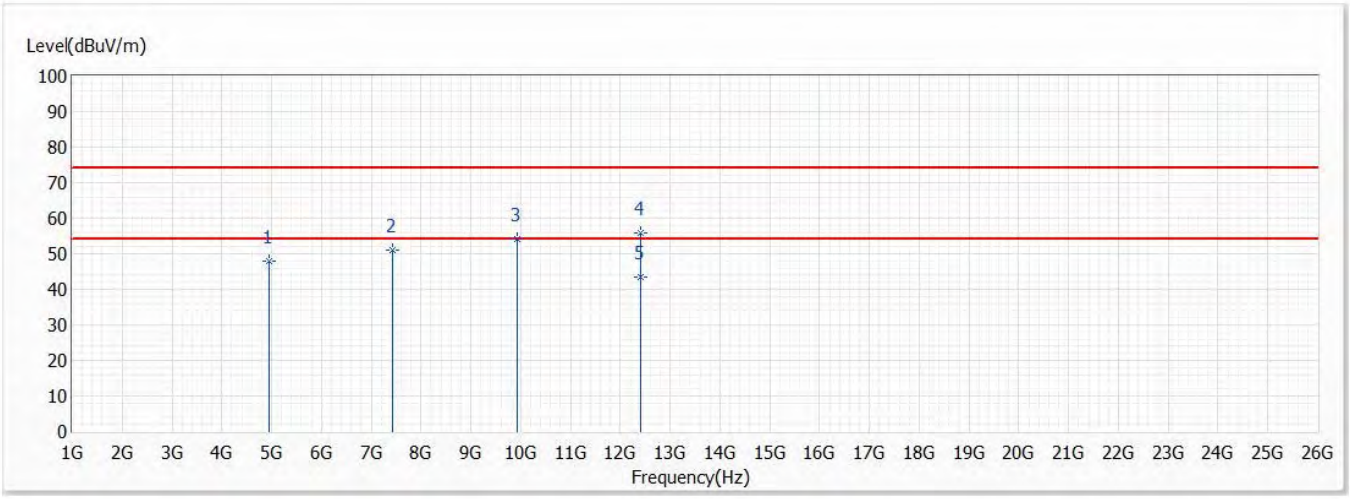
2. “ * ”, means this data is the worst value.

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 13GHz were not included is because their levels are lower than 20dB form limit.

Model No	EA211002	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2021/5/22
Test Mode	Mode1: Transmit	Engineer	Rueyyan Lin
Polarity	Horizontal	Temperature (℃)	24.4
Test Condition	3-DH5,Ant0,Ch 78,2.48G	Humidity (%RH)	59.0



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	4960.000	47.88	74.00	-26.12	49.03	-1.15	PK
2	7440.000	50.88	74.00	-23.12	44.07	6.81	PK
3	9920.000	54.23	74.00	-19.77	42.26	11.97	PK
4	12400.000	55.85	74.00	-18.15	42.80	13.05	PK
* 5	12400.000	43.51	54.00	-10.49	30.46	13.05	AV

Note:

1.All reading above 1GHz is performed with peak and/or average measurements as necessary.

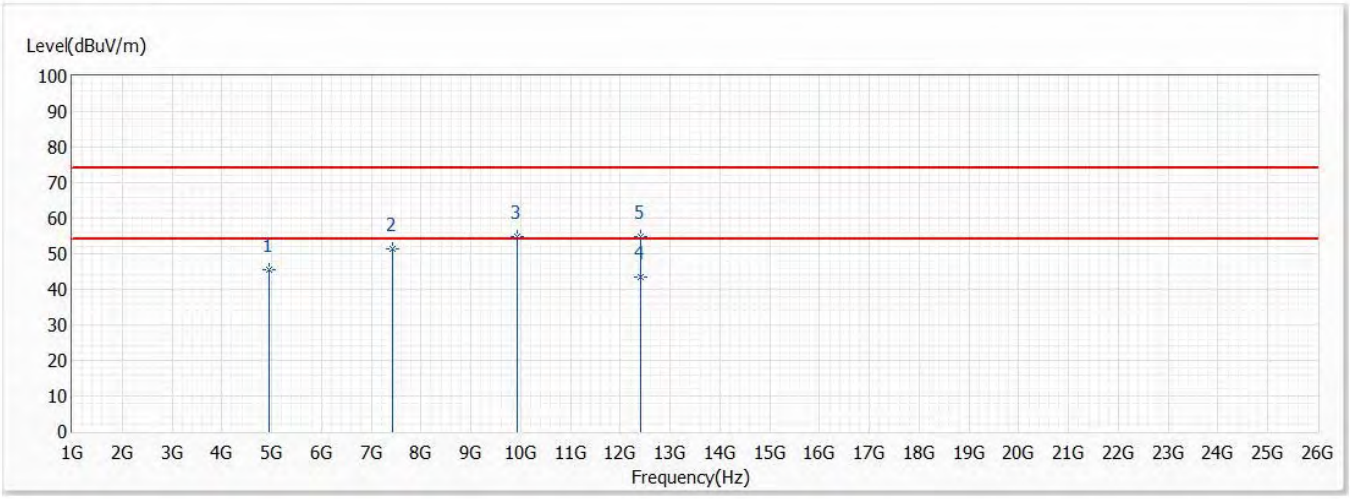
2. “ * ”, means this data is the worst value.

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 13GHz were not included is because their levels are lower than 20dB form limit.

Model No	EA211002	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2021/5/22
Test Mode	Mode1: Transmit	Engineer	Rueyyan Lin
Polarity	Vertical	Temperature (℃)	24.4
Test Condition	3-DH5,Ant0,Ch 78,2.48G	Humidity (%RH)	59.0



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	4960.000	45.62	74.00	-28.38	46.77	-1.15	PK
2	7440.000	51.54	74.00	-22.46	44.73	6.81	PK
3	9920.000	54.70	74.00	-19.30	42.73	11.97	PK
* 4	12400.000	43.28	54.00	-10.72	30.23	13.05	AV
5	12400.000	55.00	74.00	-19.00	41.95	13.05	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.

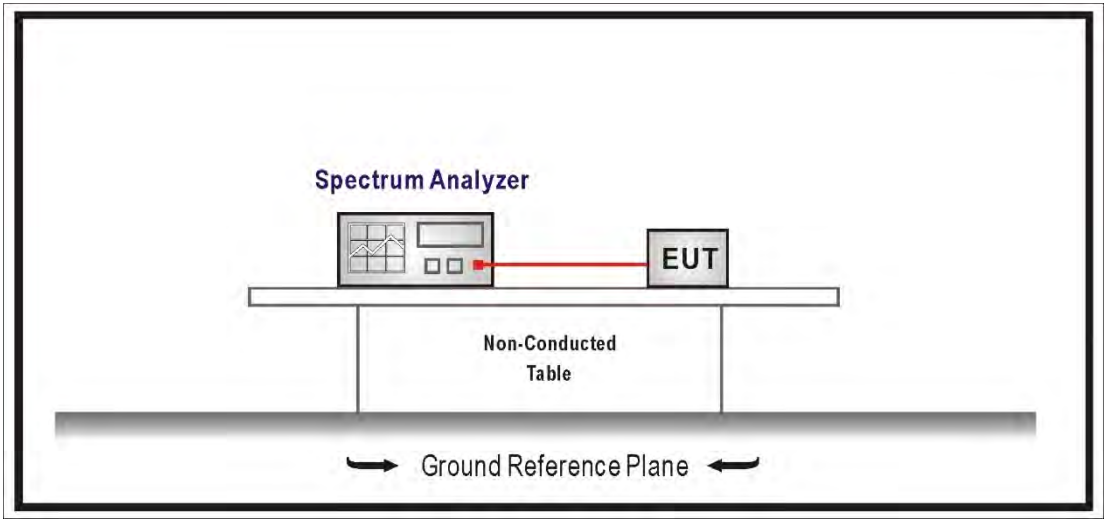
3.Emission Level = Reading Level + Correct Factor.

4.The average measurement was not performed when the peak measured data under the limit of average detection.

5.The emission above 13GHz were not included is because their levels are lower than 20dB form limit.

5. Antenna Port Conducted Emission

5.1. Test Setup



5.2. Limits

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on an RF conducted or radiated measurement. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a) (see Section 15.205(c)).

5.3. Test Procedure

The EUT was setup according to ANSI C63.10: 2013 and tested according to FHSS test procedure of FCC KDB 558074 D01 v05r02 for compliance to FCC 47CFR 15.247

5.4. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2019

5.5. Test Result

Product Name	WCDMA/LTE Mobile Phone		
Test Mode	Mode 1: Transmit		
Date of Test	2021/05/27	Test Site	SR12-H
Temperature(°C)	24.6	Humidity (%RH)	58.0

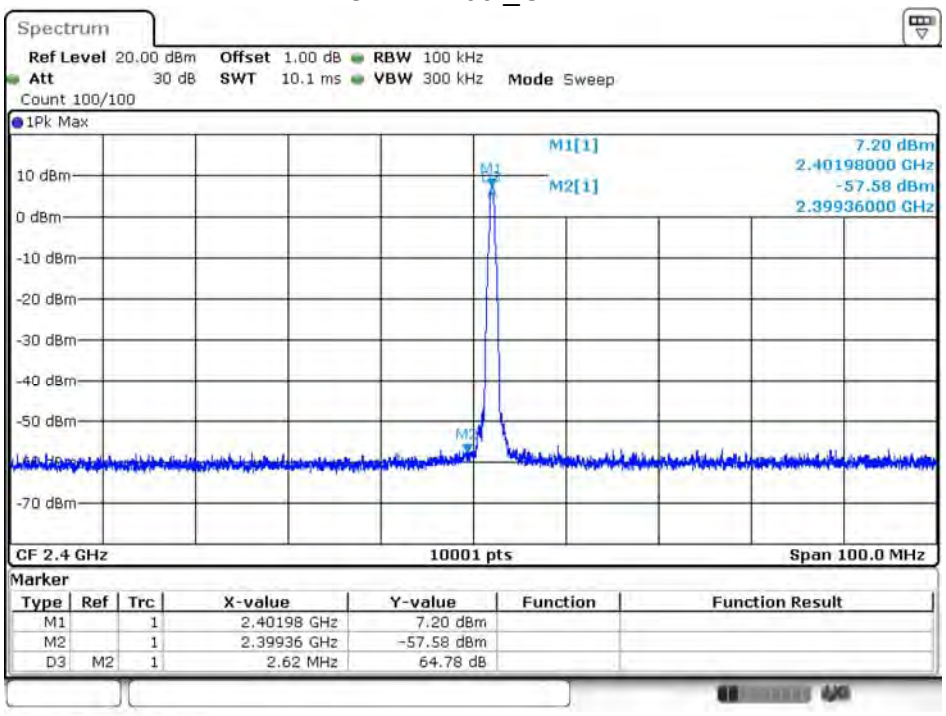
GFSK

Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)
00	2402	53.140	≧20
39	2441	56.920	≧20
78	2480	57.450	≧20

8-DPSK

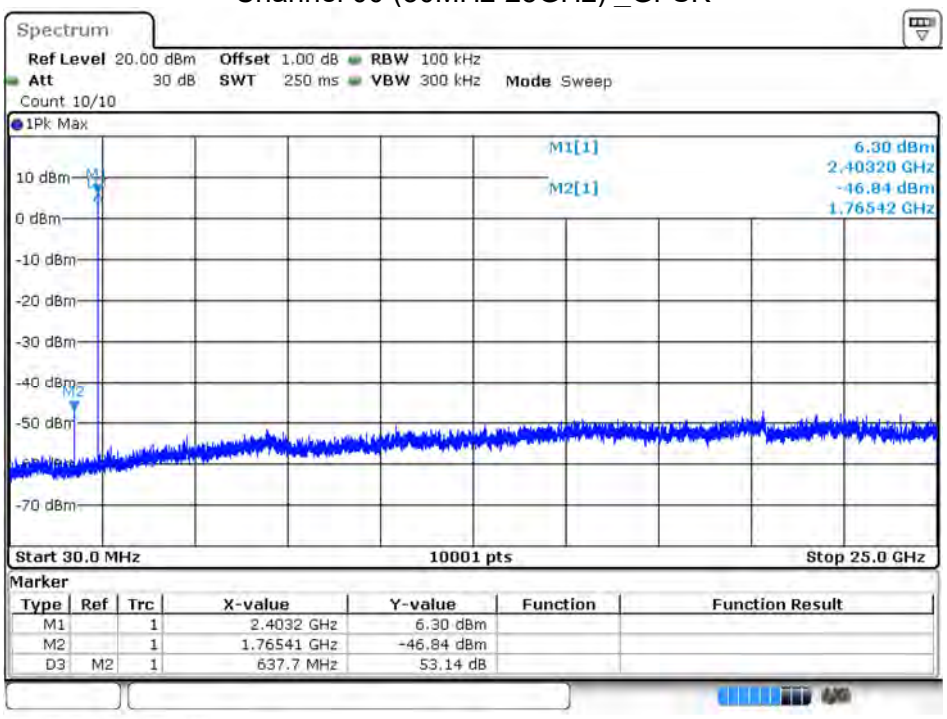
Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)
00	2402	43.150	≧20
39	2441	52.290	≧20
78	2480	53.740	≧20

Channel 00 _GFSK



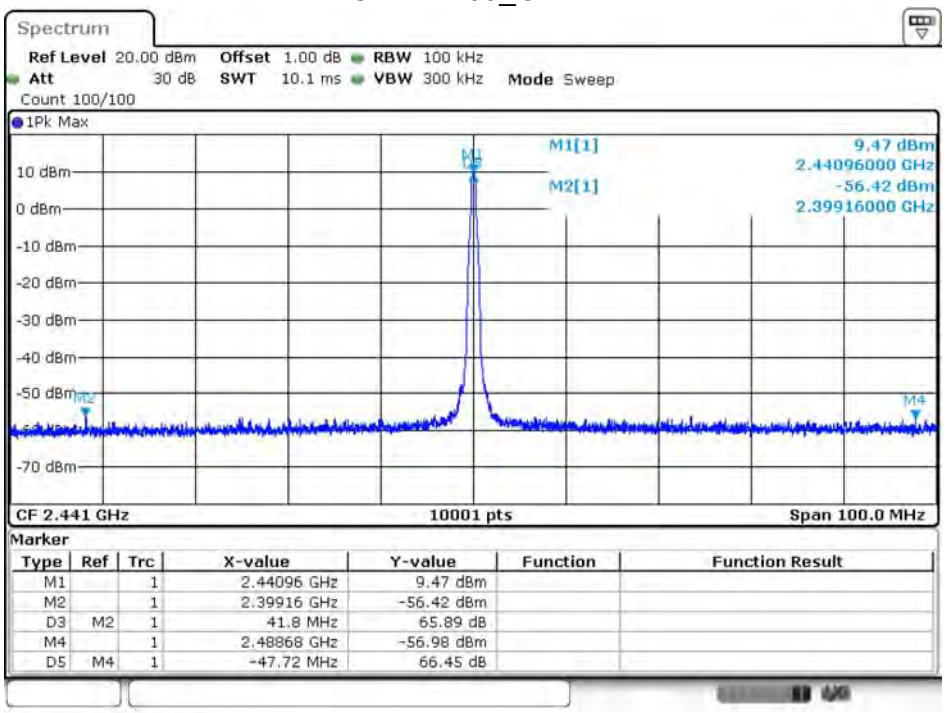
Date: 27.MAY.2021 00:22:46

Channel 00 (30MHz-25GHz) _GFSK



Date: 27.MAY.2021 00:02:11

Channel 39_GFSK



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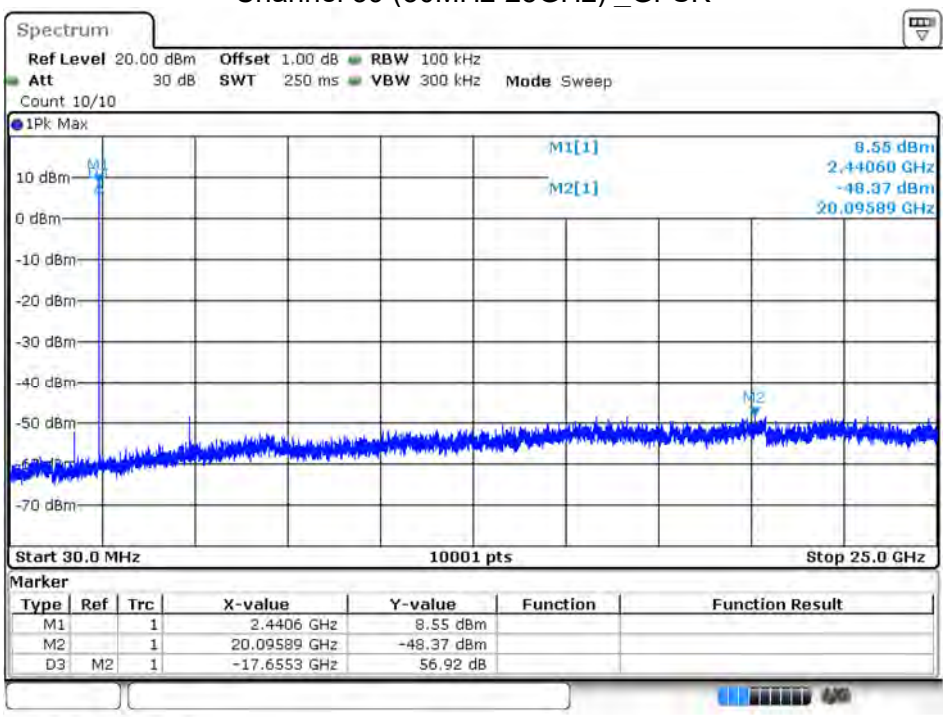
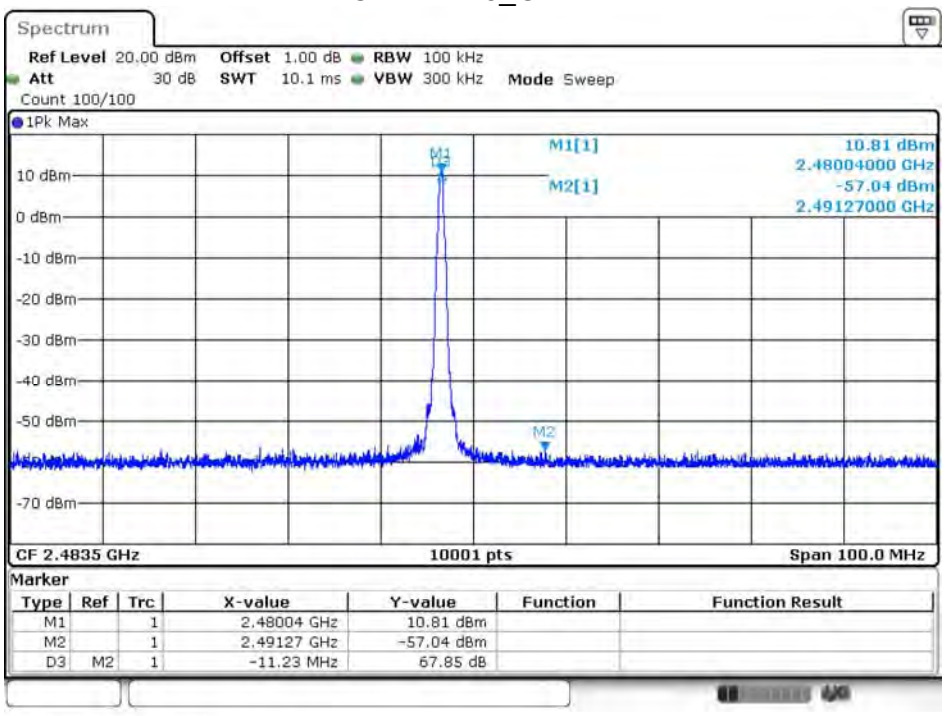
Channel 39 (30MHz-25GHz) _GFSK



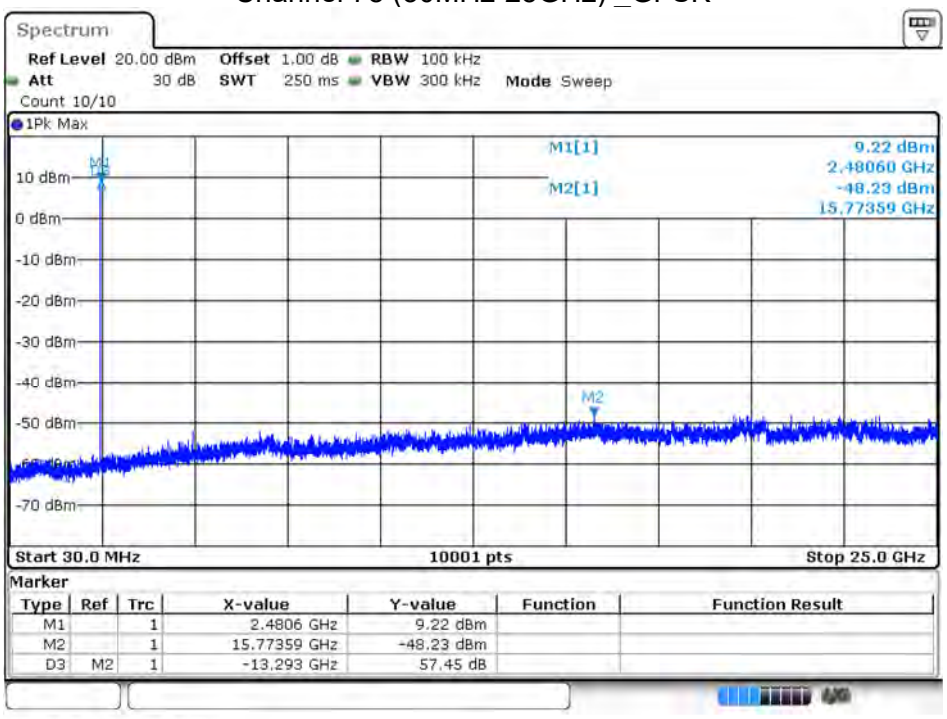
Date: 27.MAY.2021 00:02:41

Channel 78_GFSK



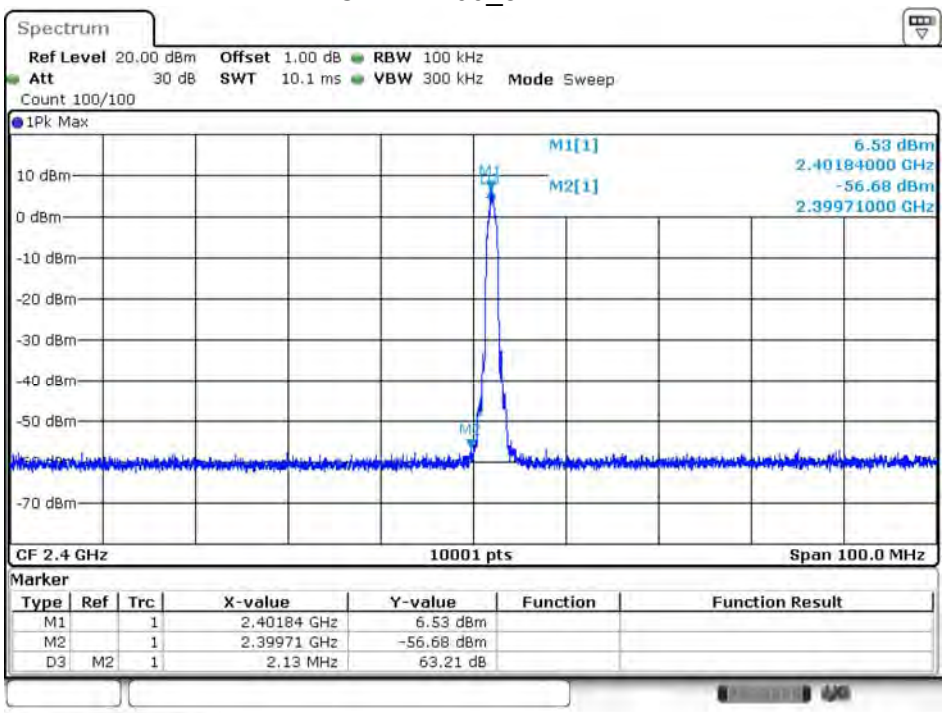
Date: 27.MAY.2021 00:23:57

Channel 78 (30MHz-25GHz) _GFSK



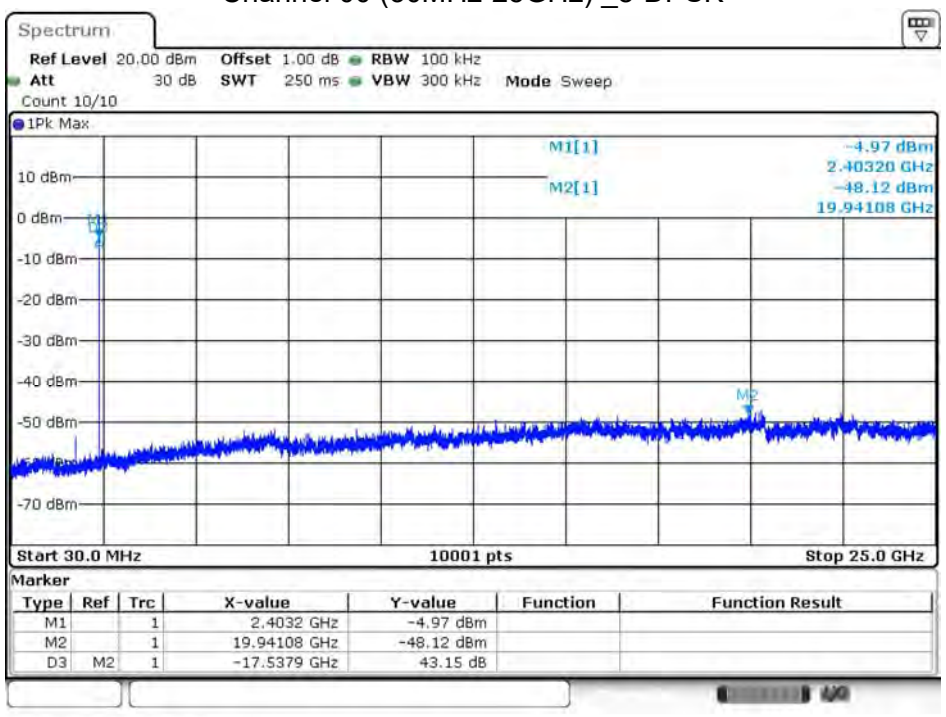
Date: 27.MAY.2021 00:03:29

Channel 00_8-DPSK



Date: 27.MAY.2021 00:25:49

Channel 00 (30MHz-25GHz) _8-DPSK



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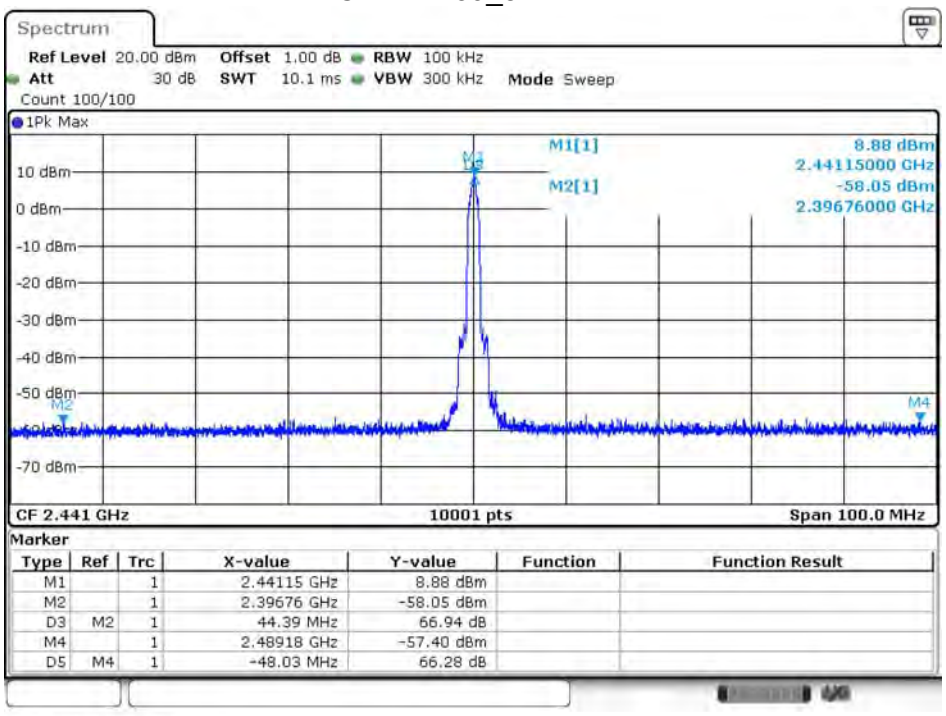
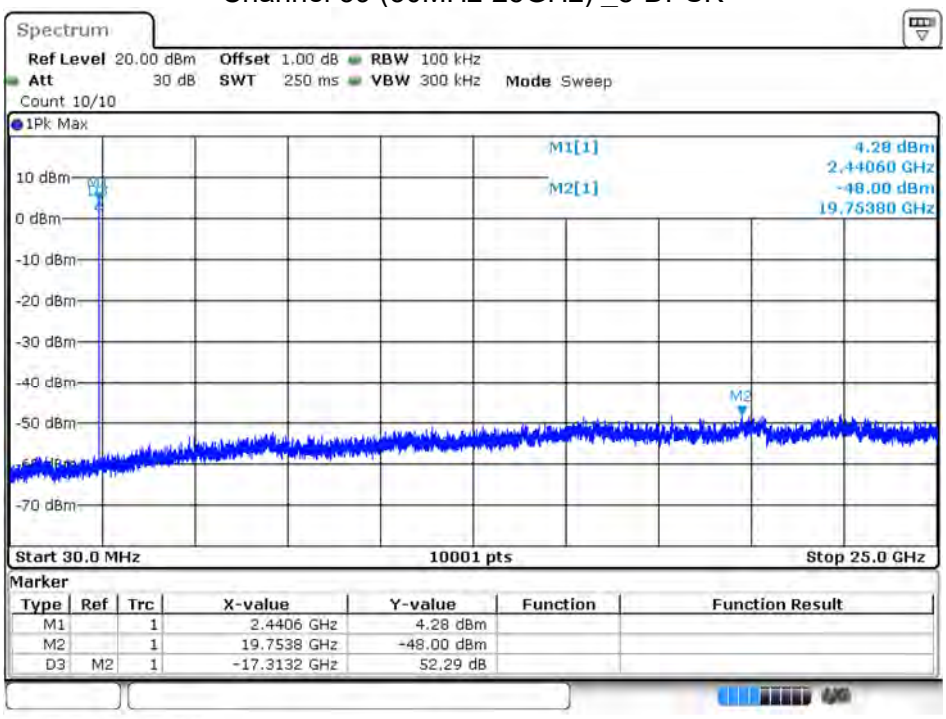
Channel 39_8-DPSK



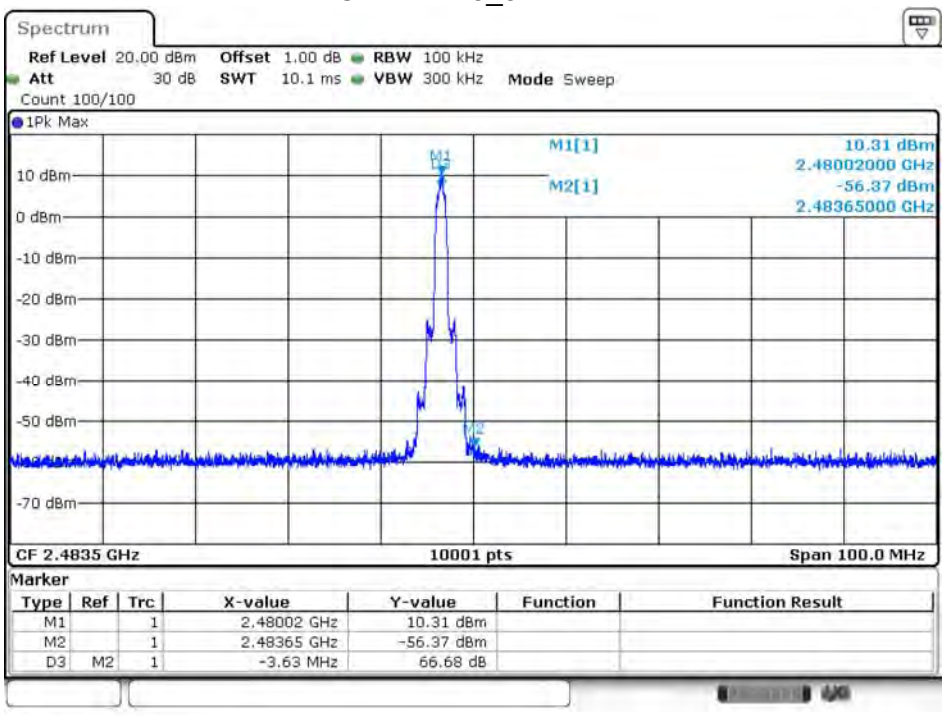
Date: 27.MAY.2021 00:25:10

Channel 39 (30MHz-25GHz) _8-DPSK



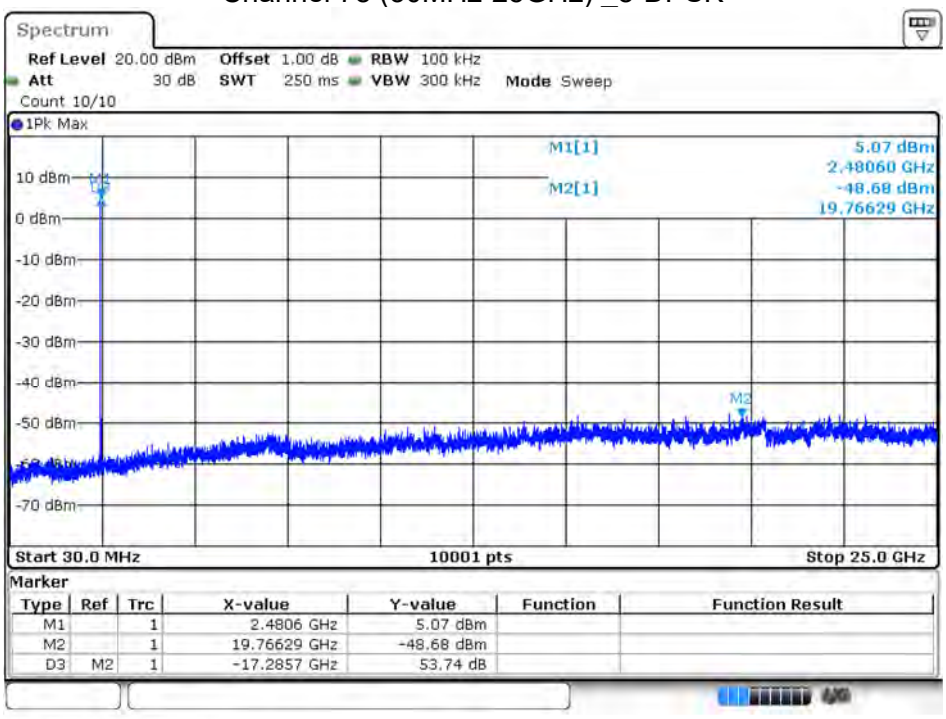
Date: 27.MAY.2021 00:04:40

Channel 78_8-DPSK



Date: 27.MAY.2021 00:24:38

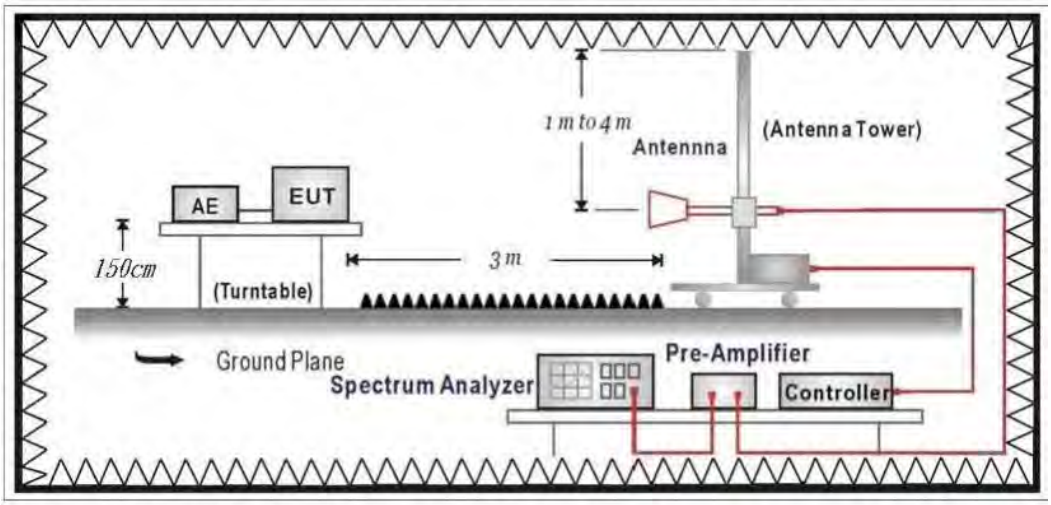
Channel 78 (30MHz-25GHz) _8-DPSK



Date: 27.MAY.2021 00:04:11

6. Band Edge

6.1. Test Setup



6.2. Limits

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 20dB below the level of the fundamental or to the general radiated emission limits in paragraph 15.209, whichever is the lesser attenuation.

6.3. Test Procedure

The EUT was setup according to ANSI C63.10: 2013 and tested according to FHSS test procedure of FCC KDB 558074 D01 v05r02 for compliance to FCC 47CFR 15.247 requirements.

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

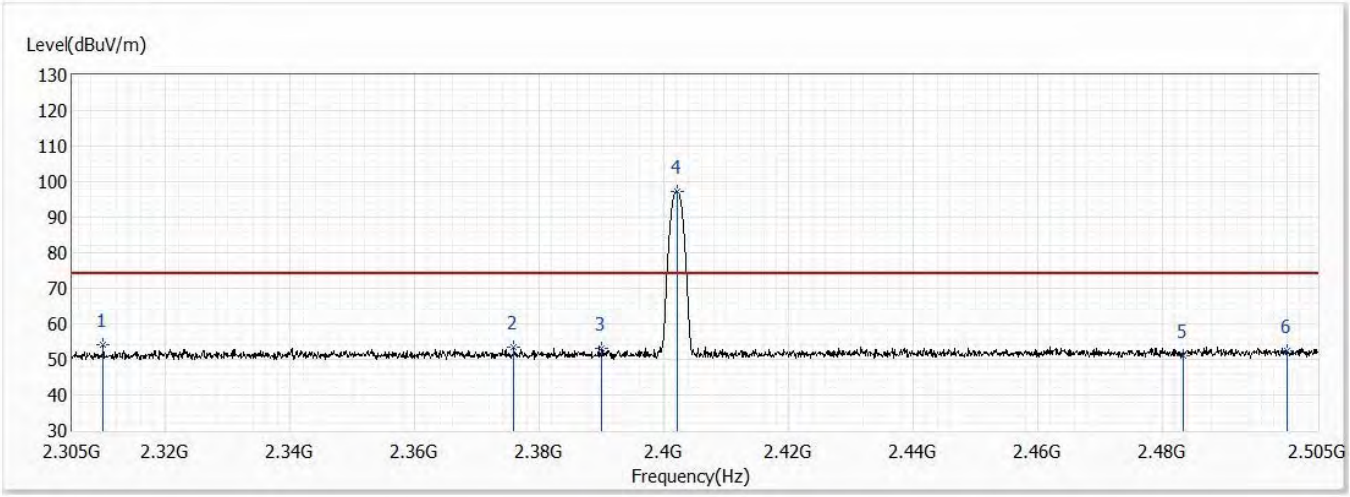
Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.10: 2013 on radiated measurement.

6.4. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2019

6.5. Test Result

Model No	EA211002	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2021/5/21
Test Mode	Mode1: Transmit	Engineer	Rueyyan Lin
Polarity	Horizontal	Temperature (℃)	24.4
Test Condition	DH5,Ch 0,2.402G	Humidity (%RH)	59.0

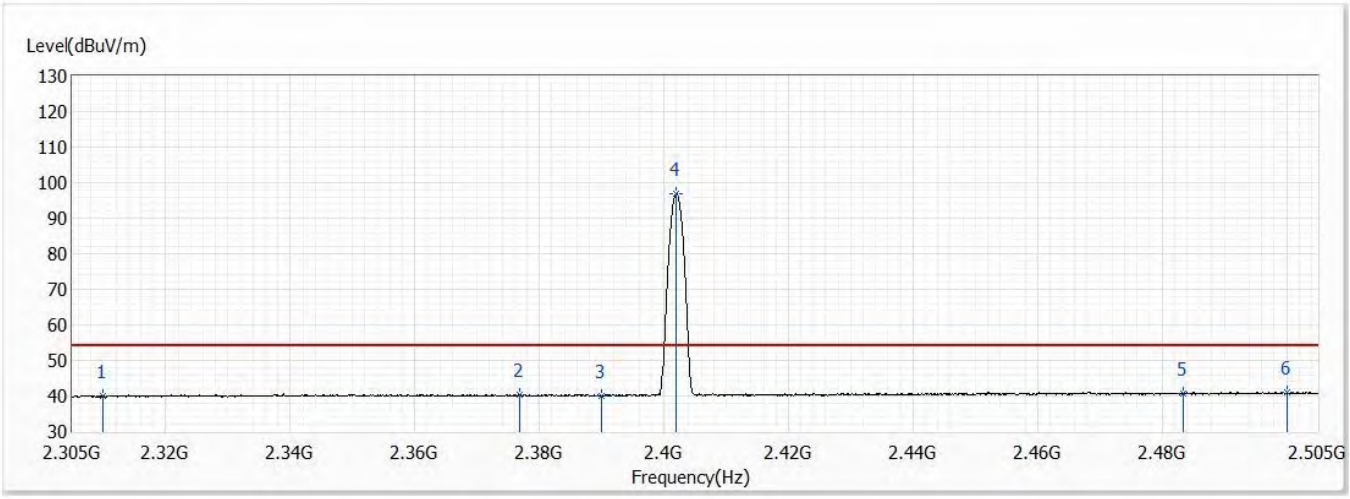


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	54.22	74.00	-19.78	41.61	12.61	PK
2	2375.900	53.28	74.00	-20.72	40.62	12.66	PK
3	2390.000	53.18	74.00	-20.82	40.57	12.61	PK
! 4	2402.100	97.23	74.00	23.23	84.63	12.60	PK
5	2483.500	51.11	74.00	-22.89	38.34	12.77	PK
6	2500.000	52.40	74.00	-21.60	39.61	12.79	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	EA211002	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2021/5/21
Test Mode	Mode1: Transmit	Engineer	Rueyyan Lin
Polarity	Horizontal	Temperature (℃)	24.4
Test Condition	DH5,Ch 0,2.402G	Humidity (%RH)	59.0

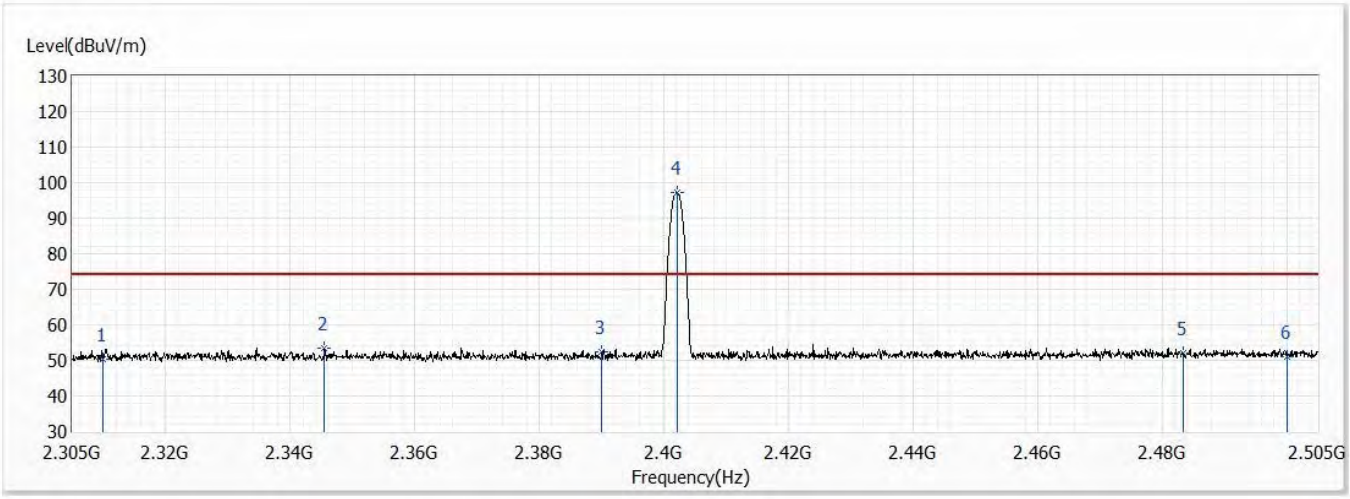


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	39.85	54.00	-14.15	27.24	12.61	AV
2	2376.900	40.48	54.00	-13.52	27.82	12.66	AV
3	2390.000	40.04	54.00	-13.96	27.43	12.61	AV
! 4	2402.000	96.83	54.00	42.83	84.23	12.60	AV
5	2483.500	40.66	54.00	-13.34	27.89	12.77	AV
6	2500.000	40.98	54.00	-13.02	28.19	12.79	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	EA211002	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2021/5/21
Test Mode	Mode1: Transmit	Engineer	Rueyyan Lin
Polarity	Vertical	Temperature (℃)	24.4
Test Condition	DH5,Ch 0,2.402G	Humidity (%RH)	59.0

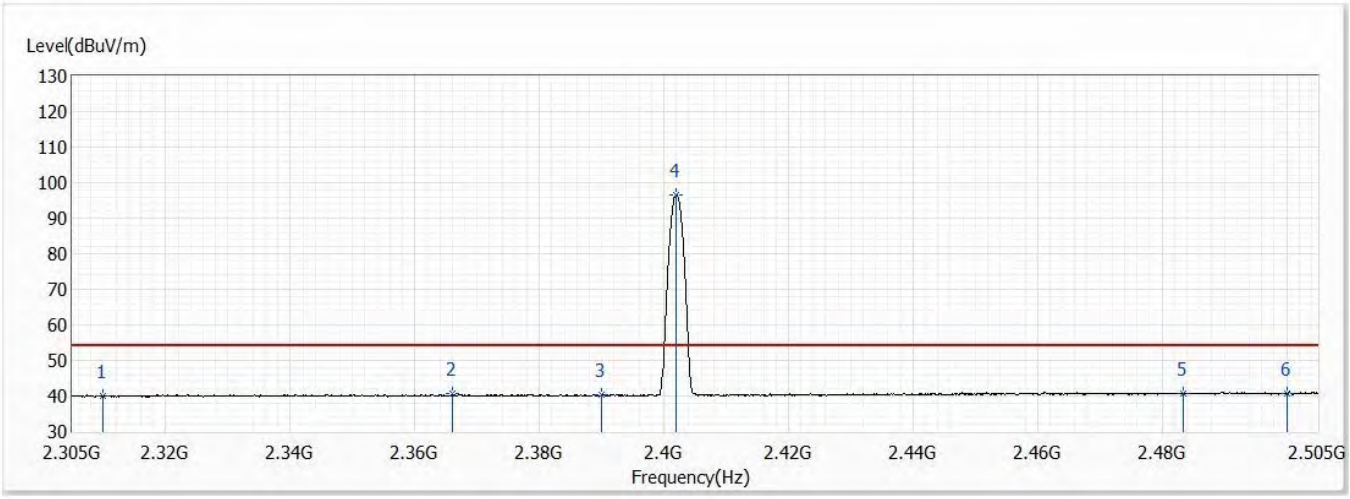


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	50.33	74.00	-23.67	37.72	12.61	PK
2	2345.500	53.34	74.00	-20.66	40.62	12.72	PK
3	2390.000	52.28	74.00	-21.72	39.67	12.61	PK
! 4	2402.100	97.16	74.00	23.16	84.56	12.60	PK
5	2483.500	51.92	74.00	-22.08	39.15	12.77	PK
6	2500.000	50.94	74.00	-23.06	38.15	12.79	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	EA211002	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2021/5/21
Test Mode	Mode1: Transmit	Engineer	Rueyyan Lin
Polarity	Vertical	Temperature (℃)	24.4
Test Condition	DH5,Ch 0,2.402G	Humidity (%RH)	59.0

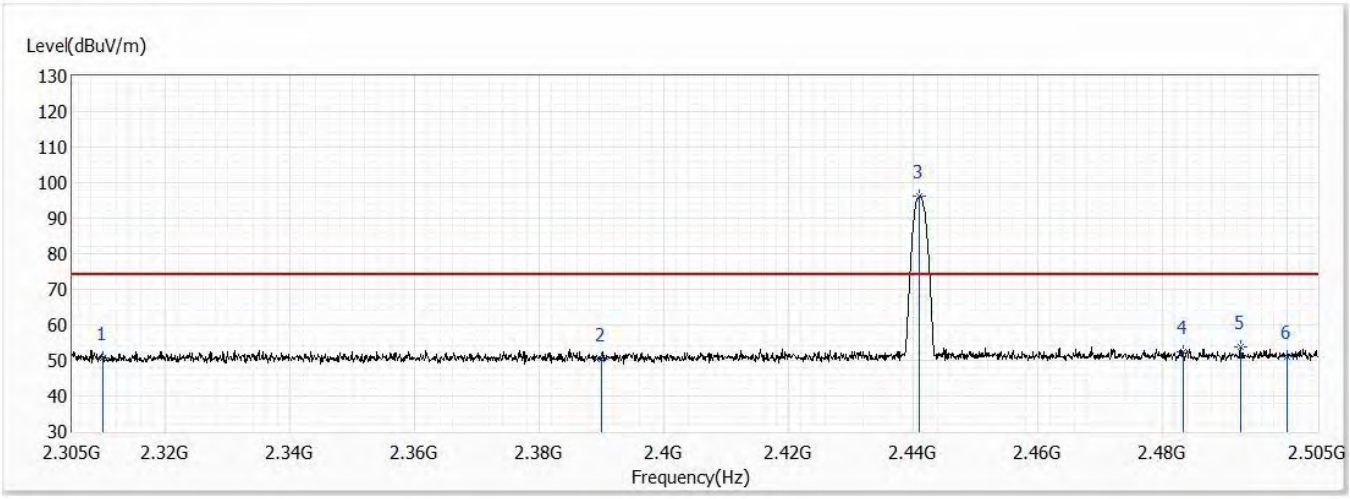


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	39.87	54.00	-14.13	27.26	12.61	AV
2	2366.000	40.55	54.00	-13.45	27.87	12.68	AV
3	2390.000	40.26	54.00	-13.74	27.65	12.61	AV
! 4	2402.000	96.66	54.00	42.66	84.06	12.60	AV
5	2483.500	40.82	54.00	-13.18	28.05	12.77	AV
6	2500.000	40.70	54.00	-13.30	27.91	12.79	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	EA211002	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2021/5/21
Test Mode	Mode1: Transmit	Engineer	Rueyyan Lin
Polarity	Horizontal	Temperature (℃)	24.4
Test Condition	DH5,Ch 39,2.441G	Humidity (%RH)	59.0

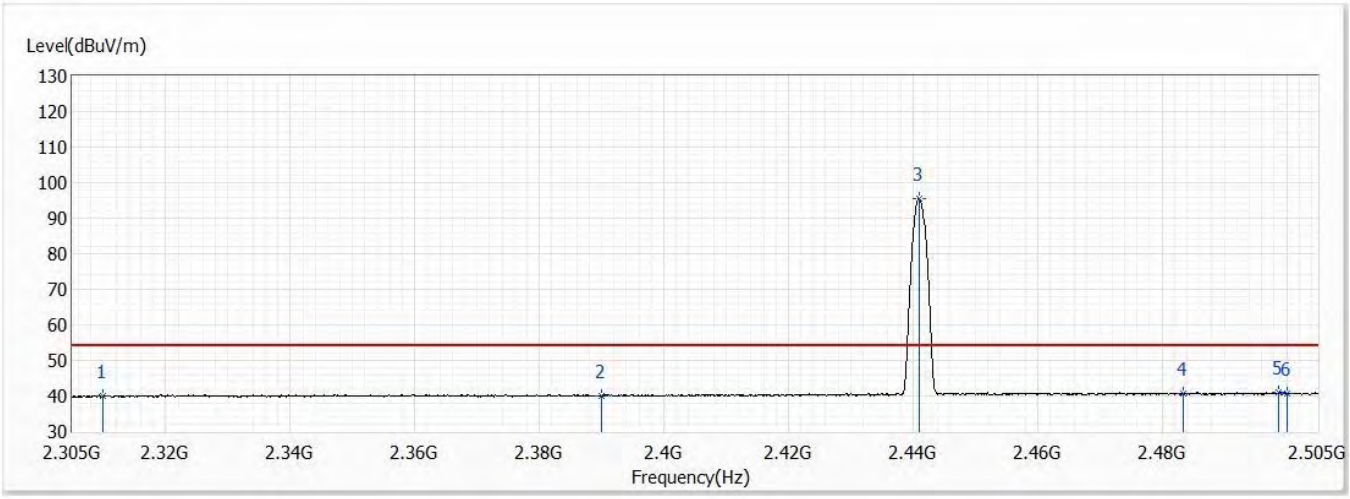


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	50.71	74.00	-23.29	38.10	12.61	PK
2	2390.000	50.19	74.00	-23.81	37.58	12.61	PK
! 3	2441.100	96.24	74.00	22.24	83.53	12.71	PK
4	2483.500	52.50	74.00	-21.50	39.73	12.77	PK
5	2492.700	53.66	74.00	-20.34	40.88	12.78	PK
6	2500.000	51.03	74.00	-22.97	38.24	12.79	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	EA211002	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2021/5/21
Test Mode	Mode1: Transmit	Engineer	Rueyyan Lin
Polarity	Horizontal	Temperature (℃)	24.4
Test Condition	DH5,Ch 39,2.441G	Humidity (%RH)	59.0

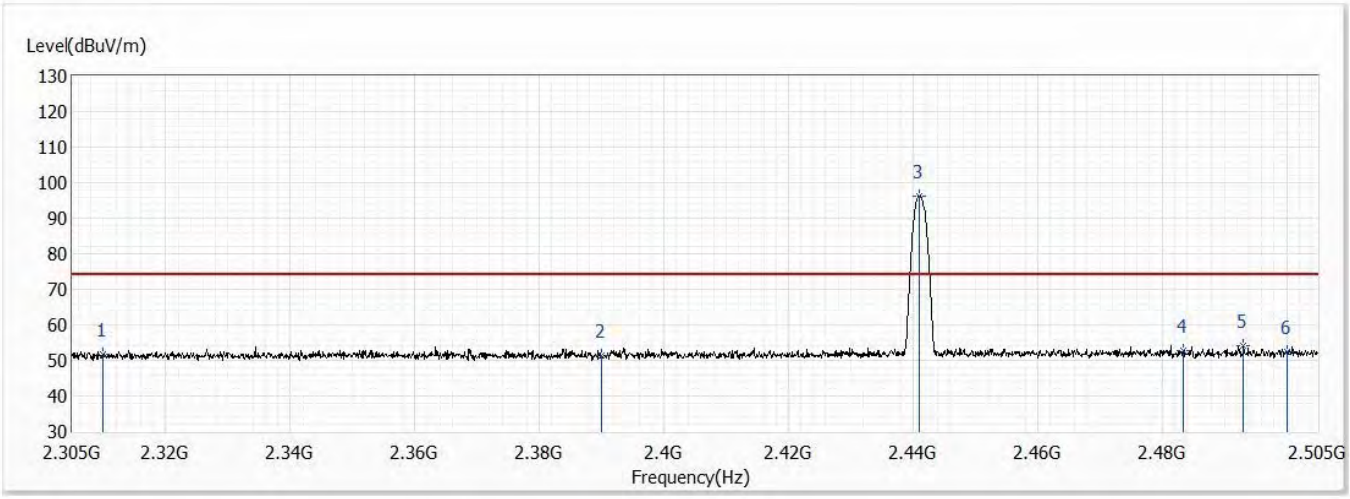


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	40.00	54.00	-14.00	27.39	12.61	AV
2	2390.000	39.90	54.00	-14.10	27.29	12.61	AV
! 3	2441.000	95.58	54.00	41.58	82.87	12.71	AV
4	2483.500	40.55	54.00	-13.45	27.78	12.77	AV
5	2498.800	40.97	54.00	-13.03	28.18	12.79	AV
6	2500.000	40.55	54.00	-13.45	27.76	12.79	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	EA211002	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2021/5/21
Test Mode	Mode1: Transmit	Engineer	Rueyyan Lin
Polarity	Vertical	Temperature (℃)	24.4
Test Condition	DH5,Ch 39,2.441G	Humidity (%RH)	59.0

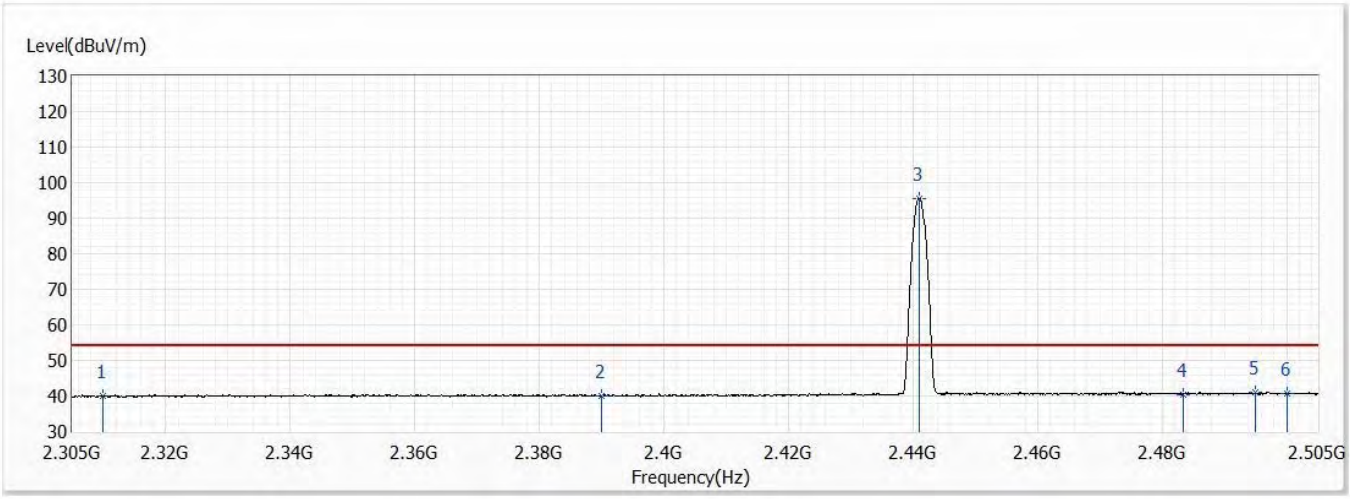


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	51.89	74.00	-22.11	39.28	12.61	PK
2	2390.000	51.34	74.00	-22.66	38.73	12.61	PK
! 3	2441.100	96.23	74.00	22.23	83.52	12.71	PK
4	2483.500	52.69	74.00	-21.31	39.92	12.77	PK
5	2493.100	54.29	74.00	-19.71	41.51	12.78	PK
6	2500.000	52.49	74.00	-21.51	39.70	12.79	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	EA211002	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2021/5/21
Test Mode	Mode1: Transmit	Engineer	Rueyyan Lin
Polarity	Vertical	Temperature (℃)	24.4
Test Condition	DH5,Ch 39,2.441G	Humidity (%RH)	59.0

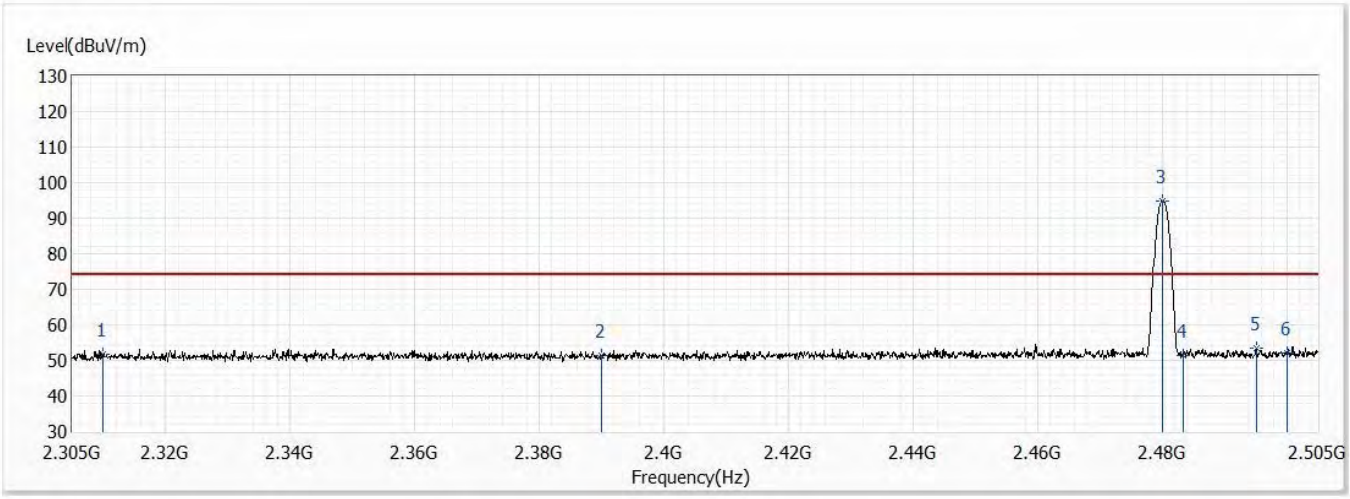


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	39.86	54.00	-14.14	27.25	12.61	AV
2	2390.000	40.11	54.00	-13.89	27.50	12.61	AV
! 3	2441.000	95.64	54.00	41.64	82.93	12.71	AV
4	2483.500	40.45	54.00	-13.55	27.68	12.77	AV
5	2494.900	40.96	54.00	-13.04	28.18	12.78	AV
6	2500.000	40.57	54.00	-13.43	27.78	12.79	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	EA211002	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2021/5/21
Test Mode	Mode1: Transmit	Engineer	Rueyyan Lin
Polarity	Horizontal	Temperature (℃)	24.4
Test Condition	DH5,Ch 78,2.48G	Humidity (%RH)	59.0

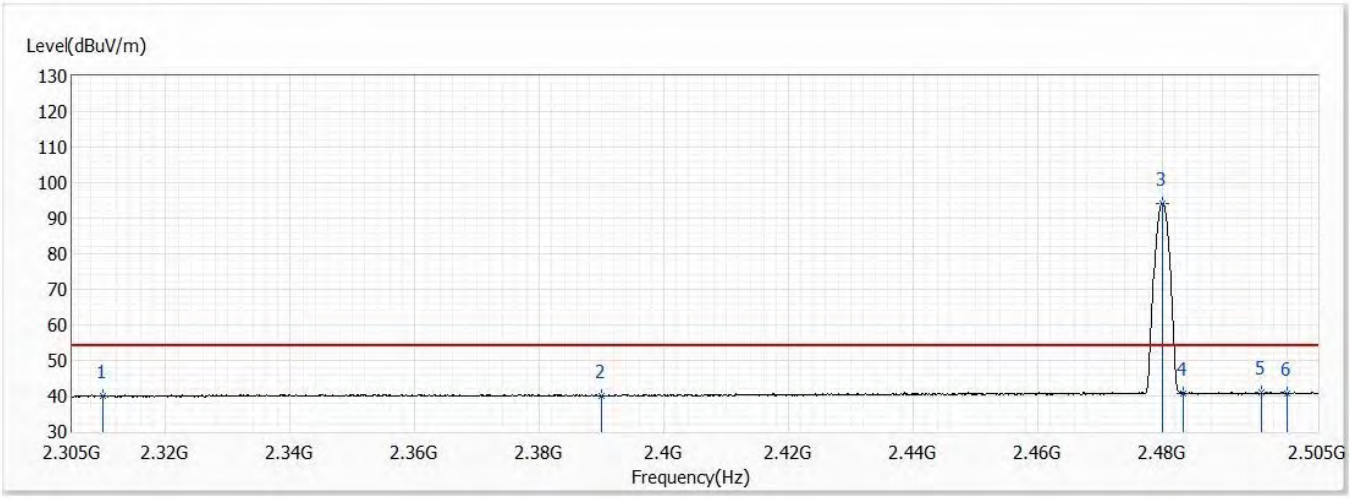


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	51.78	74.00	-22.22	39.17	12.61	PK
2	2390.000	51.37	74.00	-22.63	38.76	12.61	PK
! 3	2480.100	94.94	74.00	20.94	82.17	12.77	PK
4	2483.500	51.28	74.00	-22.72	38.51	12.77	PK
5	2495.100	53.34	74.00	-20.66	40.56	12.78	PK
6	2500.000	52.13	74.00	-21.87	39.34	12.79	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	EA211002	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2021/5/21
Test Mode	Mode1: Transmit	Engineer	Rueyyan Lin
Polarity	Horizontal	Temperature (℃)	24.4
Test Condition	DH5,Ch 78,2.48G	Humidity (%RH)	59.0

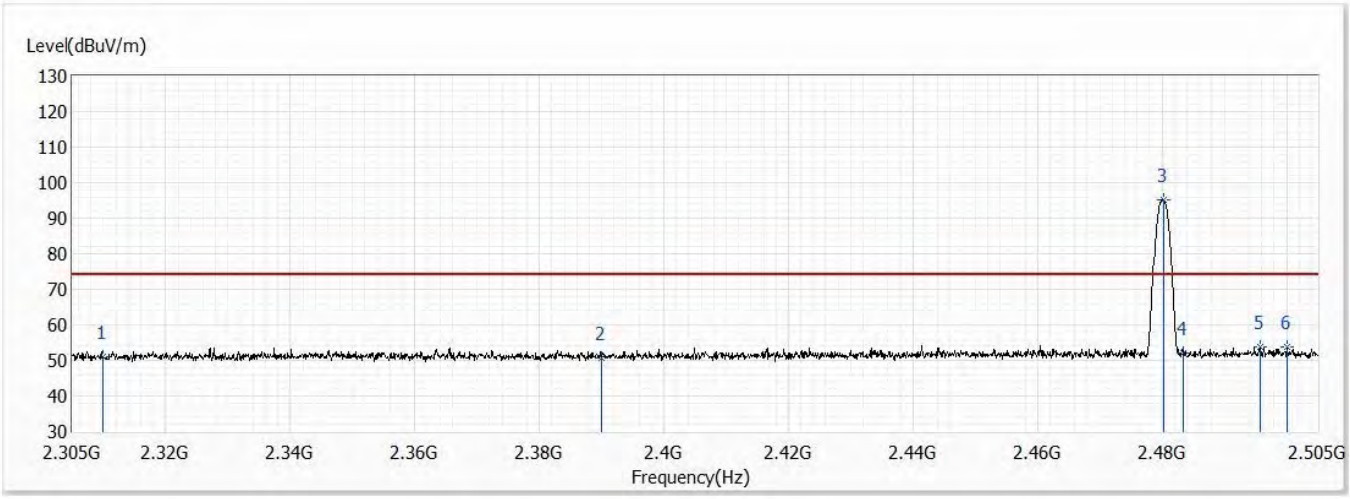


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	39.95	54.00	-14.05	27.34	12.61	AV
2	2390.000	40.01	54.00	-13.99	27.40	12.61	AV
! 3	2480.100	94.29	54.00	40.29	81.52	12.77	AV
4	2483.500	40.70	54.00	-13.30	27.93	12.77	AV
5	2496.000	40.98	54.00	-13.02	28.19	12.79	AV
6	2500.000	40.65	54.00	-13.35	27.86	12.79	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	EA211002	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2021/5/21
Test Mode	Mode1: Transmit	Engineer	Rueyyan Lin
Polarity	Vertical	Temperature (℃)	24.4
Test Condition	DH5,Ch 78,2.48G	Humidity (%RH)	59.0

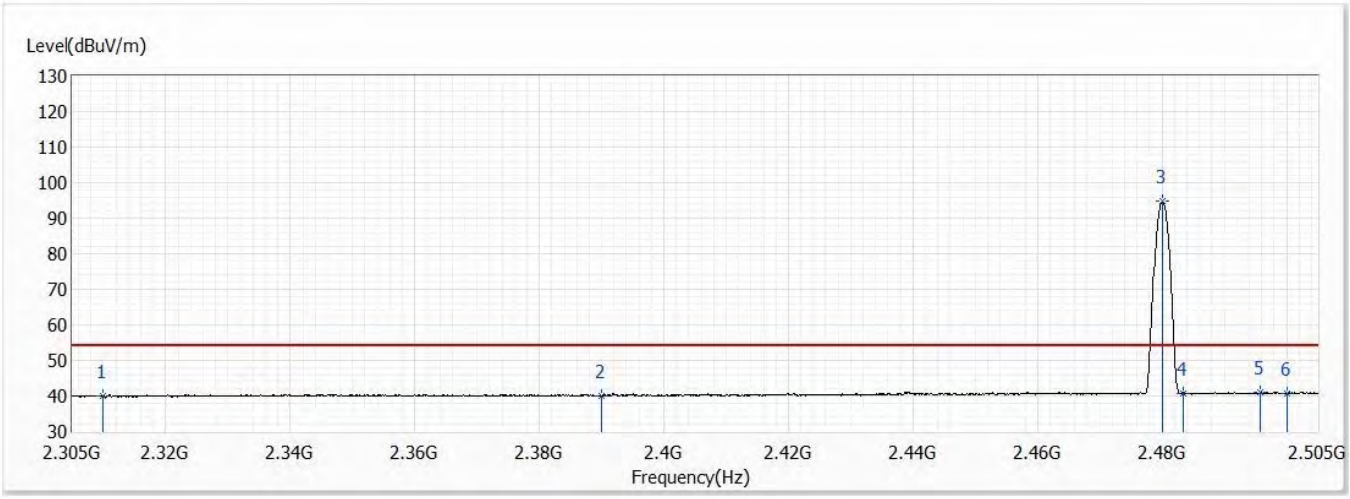


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	50.87	74.00	-23.13	38.26	12.61	PK
2	2390.000	50.64	74.00	-23.36	38.03	12.61	PK
! 3	2480.200	95.32	74.00	21.32	82.55	12.77	PK
4	2483.500	52.06	74.00	-21.94	39.29	12.77	PK
5	2495.800	53.93	74.00	-20.07	41.14	12.79	PK
6	2500.000	53.67	74.00	-20.33	40.88	12.79	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	EA211002	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2021/5/21
Test Mode	Mode1: Transmit	Engineer	Rueyyan Lin
Polarity	Vertical	Temperature (℃)	24.4
Test Condition	DH5,Ch 78,2.48G	Humidity (%RH)	59.0

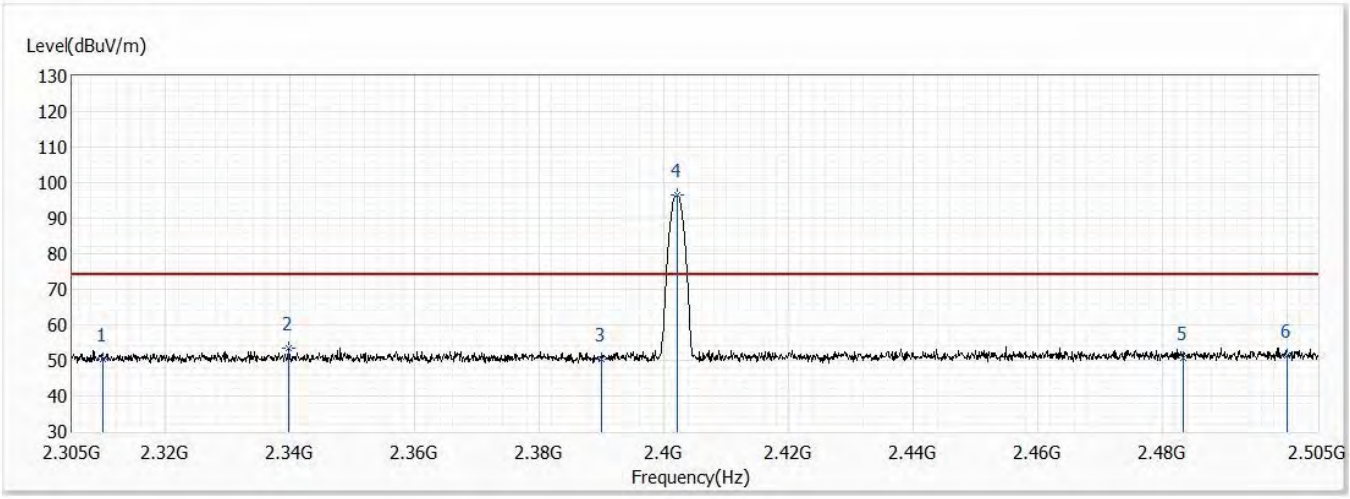


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	40.06	54.00	-13.94	27.45	12.61	AV
2	2390.000	39.99	54.00	-14.01	27.38	12.61	AV
! 3	2480.100	94.67	54.00	40.67	81.90	12.77	AV
4	2483.500	40.77	54.00	-13.23	28.00	12.77	AV
5	2495.700	41.03	54.00	-12.97	28.24	12.79	AV
6	2500.000	40.65	54.00	-13.35	27.86	12.79	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	EA211002	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2021/5/21
Test Mode	Mode1: Transmit	Engineer	Rueyyan Lin
Polarity	Horizontal	Temperature (℃)	24.4
Test Condition	3-DH5,Ch 0,2.402G	Humidity (%RH)	59.0

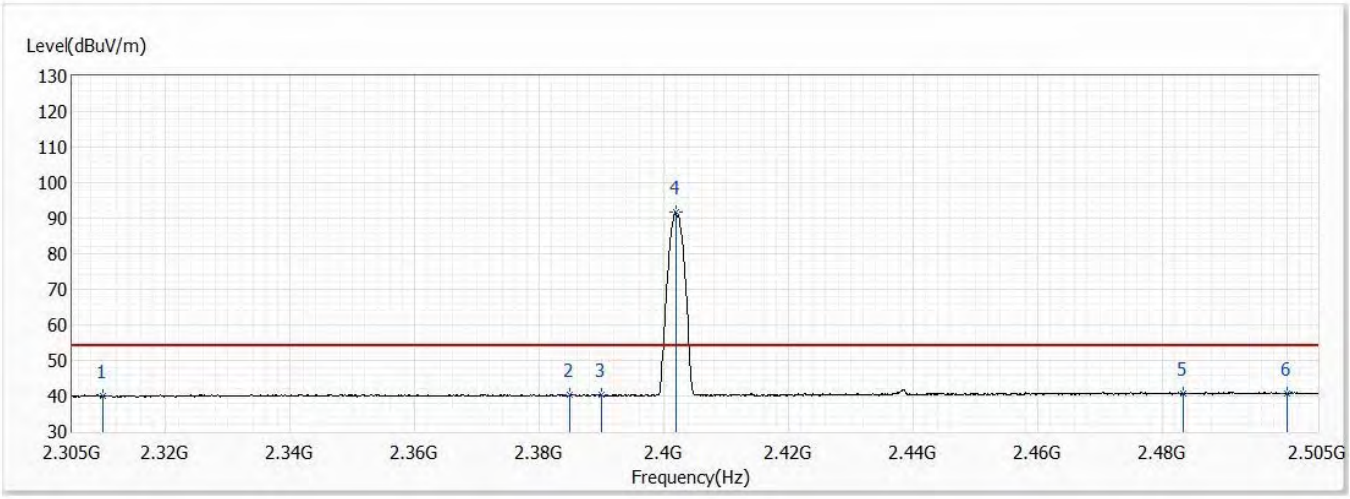


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	50.26	74.00	-23.74	37.65	12.61	PK
2	2339.800	53.32	74.00	-20.68	40.62	12.70	PK
3	2390.000	50.38	74.00	-23.62	37.77	12.61	PK
! 4	2402.200	96.44	74.00	22.44	83.84	12.60	PK
5	2483.500	50.84	74.00	-23.16	38.07	12.77	PK
6	2500.000	51.22	74.00	-22.78	38.43	12.79	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	EA211002	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2021/5/21
Test Mode	Mode1: Transmit	Engineer	Rueyyan Lin
Polarity	Horizontal	Temperature (℃)	24.4
Test Condition	3-DH5,Ch 0,2.402G	Humidity (%RH)	59.0

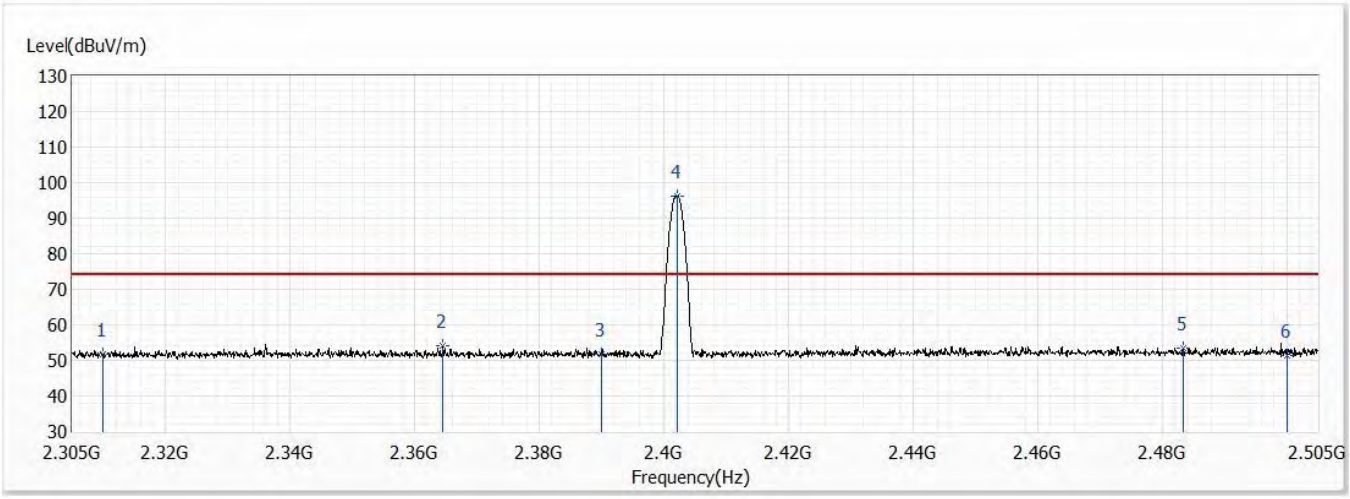


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	39.96	54.00	-14.04	27.35	12.61	AV
2	2384.900	40.45	54.00	-13.55	27.82	12.63	AV
3	2390.000	40.19	54.00	-13.81	27.58	12.61	AV
! 4	2401.900	91.63	54.00	37.63	79.03	12.60	AV
5	2483.500	40.74	54.00	-13.26	27.97	12.77	AV
6	2500.000	40.77	54.00	-13.23	27.98	12.79	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	EA211002	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2021/5/21
Test Mode	Mode1: Transmit	Engineer	Rueyyan Lin
Polarity	Vertical	Temperature (℃)	24.4
Test Condition	3-DH5,Ch 0,2.402G	Humidity (%RH)	59.0

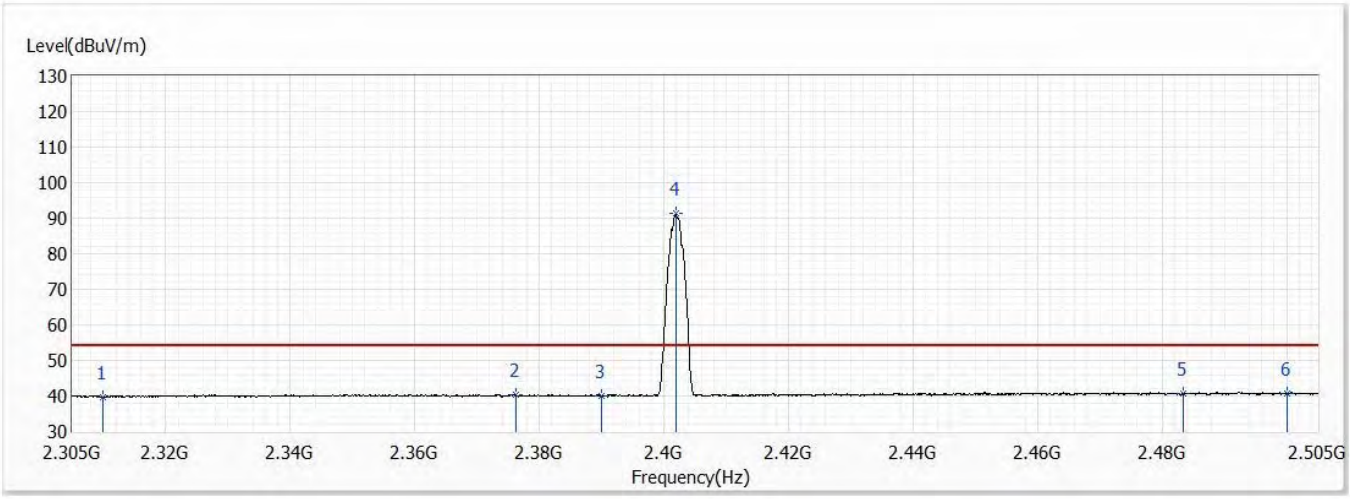


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	51.73	74.00	-22.27	39.12	12.61	PK
2	2364.500	54.10	74.00	-19.90	41.41	12.69	PK
3	2390.000	51.70	74.00	-22.30	39.09	12.61	PK
! 4	2402.200	96.27	74.00	22.27	83.67	12.60	PK
5	2483.500	53.28	74.00	-20.72	40.51	12.77	PK
6	2500.000	51.38	74.00	-22.62	38.59	12.79	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	EA211002	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2021/5/21
Test Mode	Mode1: Transmit	Engineer	Rueyyan Lin
Polarity	Vertical	Temperature (℃)	24.4
Test Condition	3-DH5,Ch 0,2.402G	Humidity (%RH)	59.0

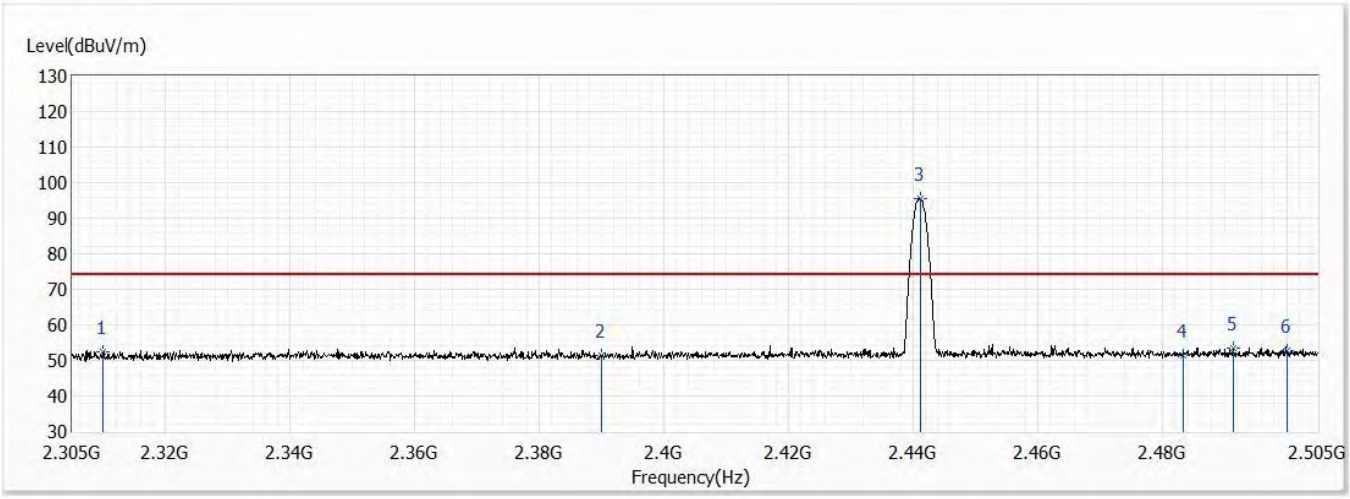


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	39.81	54.00	-14.19	27.20	12.61	AV
2	2376.200	40.22	54.00	-13.78	27.56	12.66	AV
3	2390.000	39.91	54.00	-14.09	27.30	12.61	AV
! 4	2402.000	91.34	54.00	37.34	78.74	12.60	AV
5	2483.500	40.63	54.00	-13.37	27.86	12.77	AV
6	2500.000	40.83	54.00	-13.17	28.04	12.79	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	EA211002	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2021/5/21
Test Mode	Mode1: Transmit	Engineer	Rueyyan Lin
Polarity	Horizontal	Temperature (℃)	24.4
Test Condition	3-DH5,Ch 39,2.441G	Humidity (%RH)	59.0

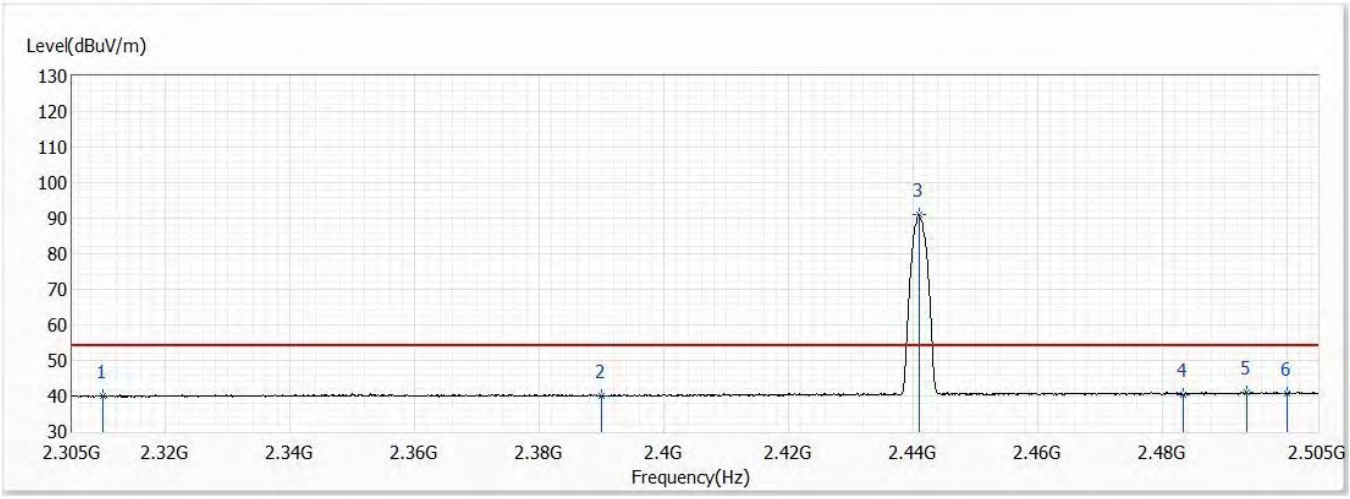


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	52.34	74.00	-21.66	39.73	12.61	PK
2	2390.000	51.23	74.00	-22.77	38.62	12.61	PK
! 3	2441.300	95.53	74.00	21.53	82.82	12.71	PK
4	2483.500	51.49	74.00	-22.51	38.72	12.77	PK
5	2491.400	53.60	74.00	-20.40	40.82	12.78	PK
6	2500.000	52.70	74.00	-21.30	39.91	12.79	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	EA211002	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2021/5/21
Test Mode	Mode1: Transmit	Engineer	Rueyyan Lin
Polarity	Horizontal	Temperature (℃)	24.4
Test Condition	3-DH5,Ch 39,2.441G	Humidity (%RH)	59.0

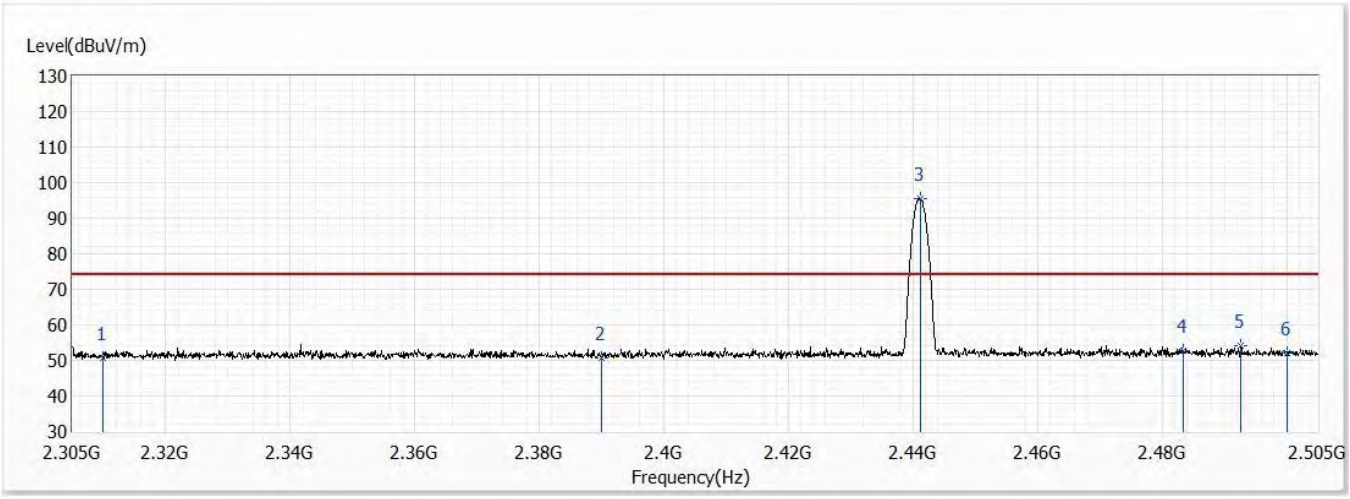


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	40.07	54.00	-13.93	27.46	12.61	AV
2	2390.000	40.00	54.00	-14.00	27.39	12.61	AV
! 3	2441.000	90.95	54.00	36.95	78.24	12.71	AV
4	2483.500	40.51	54.00	-13.49	27.74	12.77	AV
5	2493.600	41.18	54.00	-12.82	28.40	12.78	AV
6	2500.000	40.82	54.00	-13.18	28.03	12.79	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	EA211002	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2021/5/21
Test Mode	Mode1: Transmit	Engineer	Rueyyan Lin
Polarity	Vertical	Temperature (℃)	24.4
Test Condition	3-DH5,Ch 39,2.441G	Humidity (%RH)	59.0

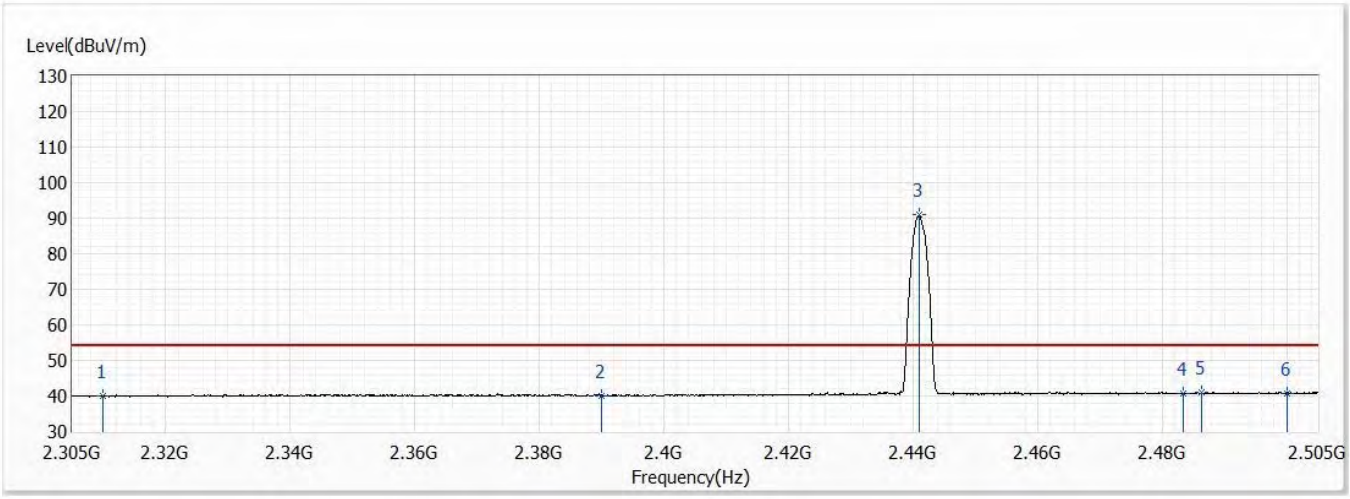


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	50.72	74.00	-23.28	38.11	12.61	PK
2	2390.000	50.53	74.00	-23.47	37.92	12.61	PK
! 3	2441.200	95.50	74.00	21.50	82.79	12.71	PK
4	2483.500	52.60	74.00	-21.40	39.83	12.77	PK
5	2492.700	53.97	74.00	-20.03	41.19	12.78	PK
6	2500.000	52.21	74.00	-21.79	39.42	12.79	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	EA211002	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2021/5/21
Test Mode	Mode1: Transmit	Engineer	Rueyyan Lin
Polarity	Vertical	Temperature (℃)	24.4
Test Condition	3-DH5,Ch 39,2.441G	Humidity (%RH)	59.0

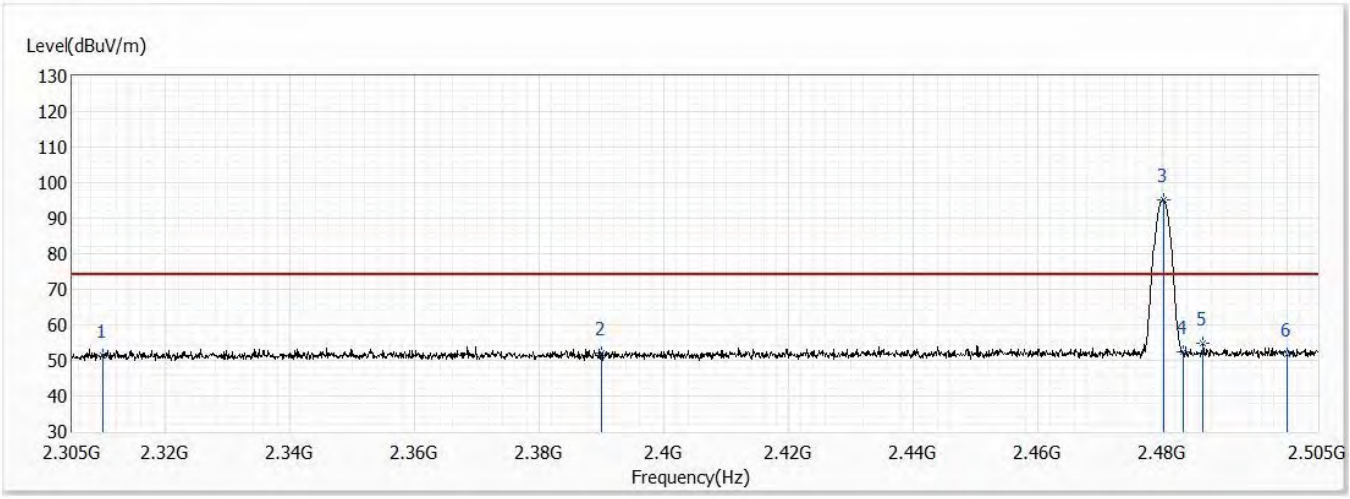


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	39.99	54.00	-14.01	27.38	12.61	AV
2	2390.000	40.17	54.00	-13.83	27.56	12.61	AV
! 3	2441.000	90.90	54.00	36.90	78.19	12.71	AV
4	2483.500	40.61	54.00	-13.39	27.84	12.77	AV
5	2486.400	41.08	54.00	-12.92	28.31	12.77	AV
6	2500.000	40.82	54.00	-13.18	28.03	12.79	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	EA211002	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2021/5/21
Test Mode	Mode1: Transmit	Engineer	Rueyyan Lin
Polarity	Horizontal	Temperature (℃)	24.4
Test Condition	3-DH5,Ch 78,2.48G	Humidity (%RH)	59.0

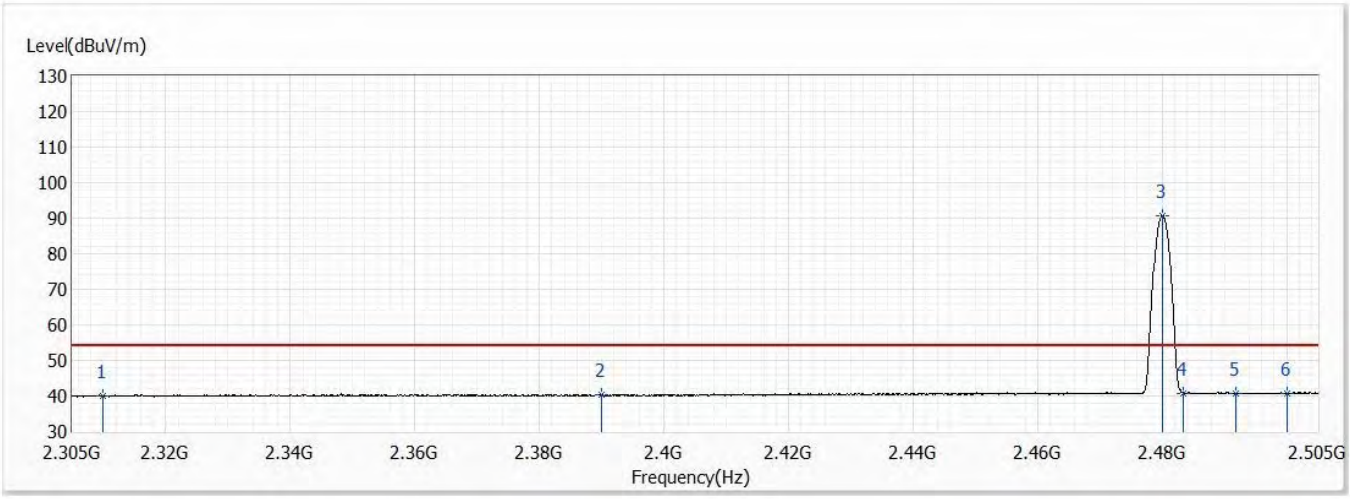


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	51.21	74.00	-22.79	38.60	12.61	PK
2	2390.000	52.04	74.00	-21.96	39.43	12.61	PK
! 3	2480.200	95.11	74.00	21.11	82.34	12.77	PK
4	2483.500	52.53	74.00	-21.47	39.76	12.77	PK
5	2486.600	54.82	74.00	-19.18	42.05	12.77	PK
6	2500.000	51.76	74.00	-22.24	38.97	12.79	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	EA211002	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2021/5/21
Test Mode	Mode1: Transmit	Engineer	Rueyyan Lin
Polarity	Horizontal	Temperature (℃)	24.4
Test Condition	3-DH5,Ch 78,2.48G	Humidity (%RH)	59.0

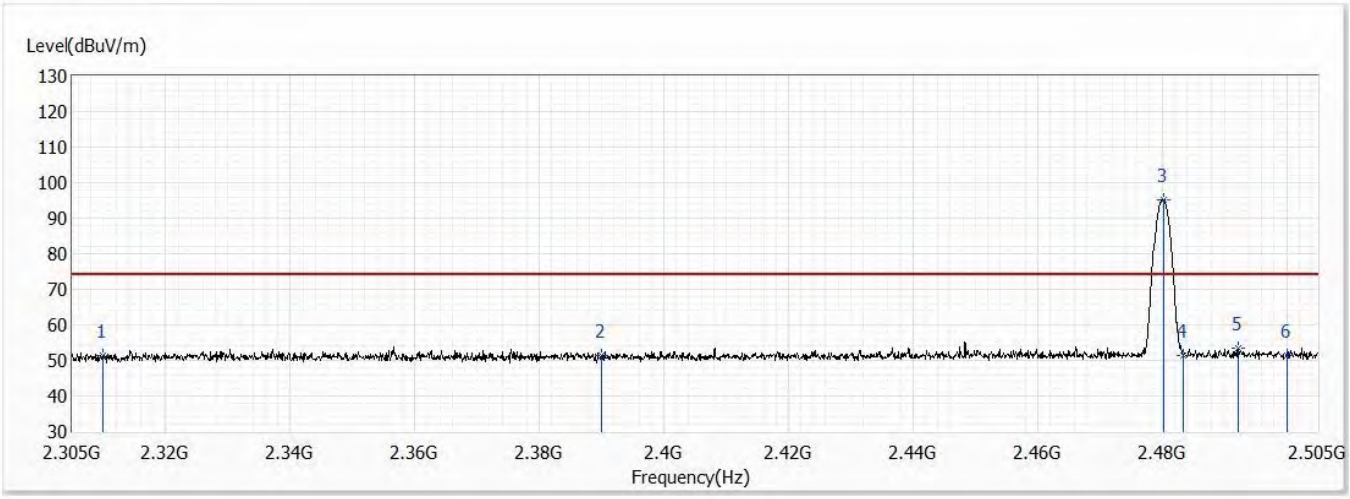


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	40.00	54.00	-14.00	27.39	12.61	AV
2	2390.000	40.22	54.00	-13.78	27.61	12.61	AV
! 3	2480.000	90.80	54.00	36.80	78.03	12.77	AV
4	2483.500	40.79	54.00	-13.21	28.02	12.77	AV
5	2491.800	40.83	54.00	-13.17	28.05	12.78	AV
6	2500.000	40.65	54.00	-13.35	27.86	12.79	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	EA211002	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2021/5/21
Test Mode	Mode1: Transmit	Engineer	Rueyyan Lin
Polarity	Vertical	Temperature (℃)	24.4
Test Condition	3-DH5,Ch 78,2.48G	Humidity (%RH)	59.0

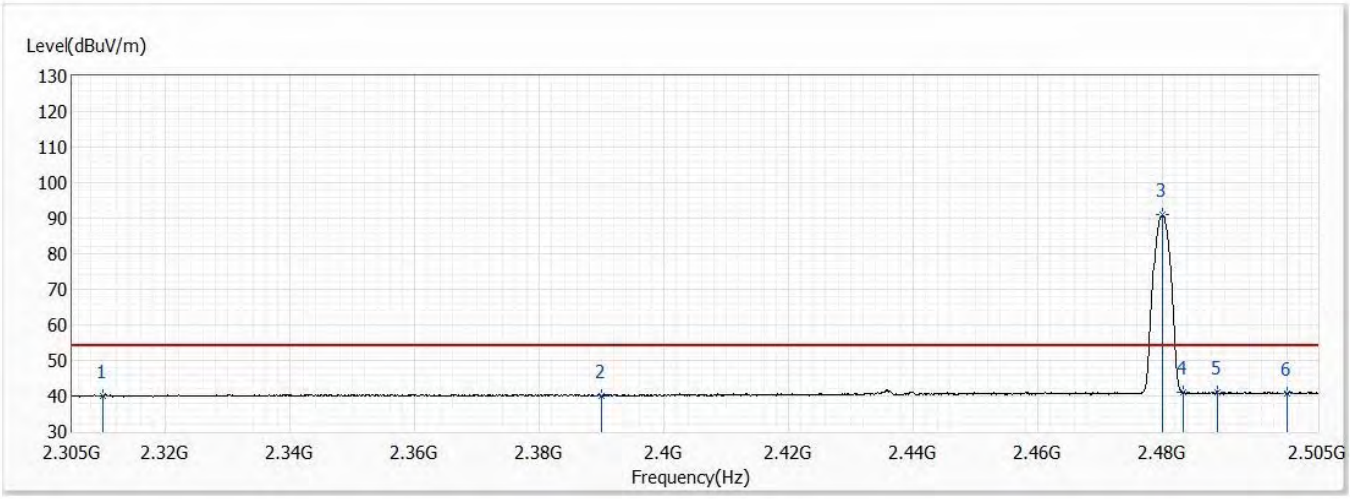


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	51.23	74.00	-22.77	38.62	12.61	PK
2	2390.000	51.49	74.00	-22.51	38.88	12.61	PK
! 3	2480.200	95.23	74.00	21.23	82.46	12.77	PK
4	2483.500	51.29	74.00	-22.71	38.52	12.77	PK
5	2492.200	53.30	74.00	-20.70	40.51	12.79	PK
6	2500.000	51.24	74.00	-22.76	38.45	12.79	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	EA211002	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2021/5/21
Test Mode	Mode1: Transmit	Engineer	Rueyyan Lin
Polarity	Vertical	Temperature (℃)	24.4
Test Condition	3-DH5,Ch 78,2.48G	Humidity (%RH)	59.0

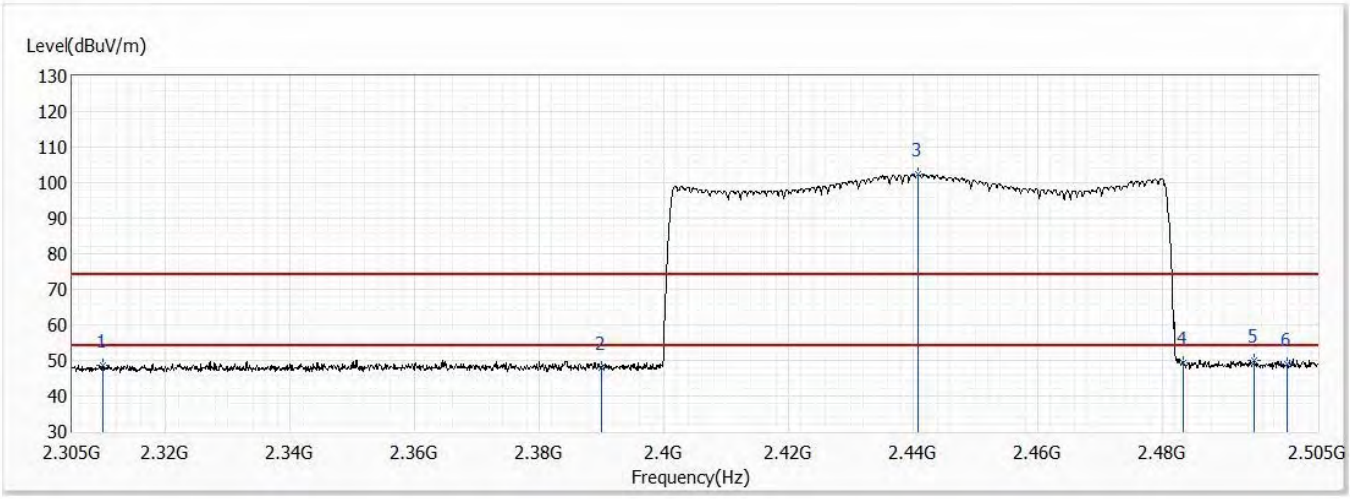


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	39.87	54.00	-14.13	27.26	12.61	AV
2	2390.000	40.08	54.00	-13.92	27.47	12.61	AV
! 3	2480.000	90.88	54.00	36.88	78.11	12.77	AV
4	2483.500	40.93	54.00	-13.07	28.16	12.77	AV
5	2489.000	40.98	54.00	-13.02	28.20	12.78	AV
6	2500.000	40.74	54.00	-13.26	27.95	12.79	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	EA211002	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2021/6/18
Test Mode	Mode1: Transmit	Engineer	Ling Chen
Polarity	Horizontal	Temperature (℃)	24.4
Test Condition	DH5,Hopping	Humidity (%RH)	59.0

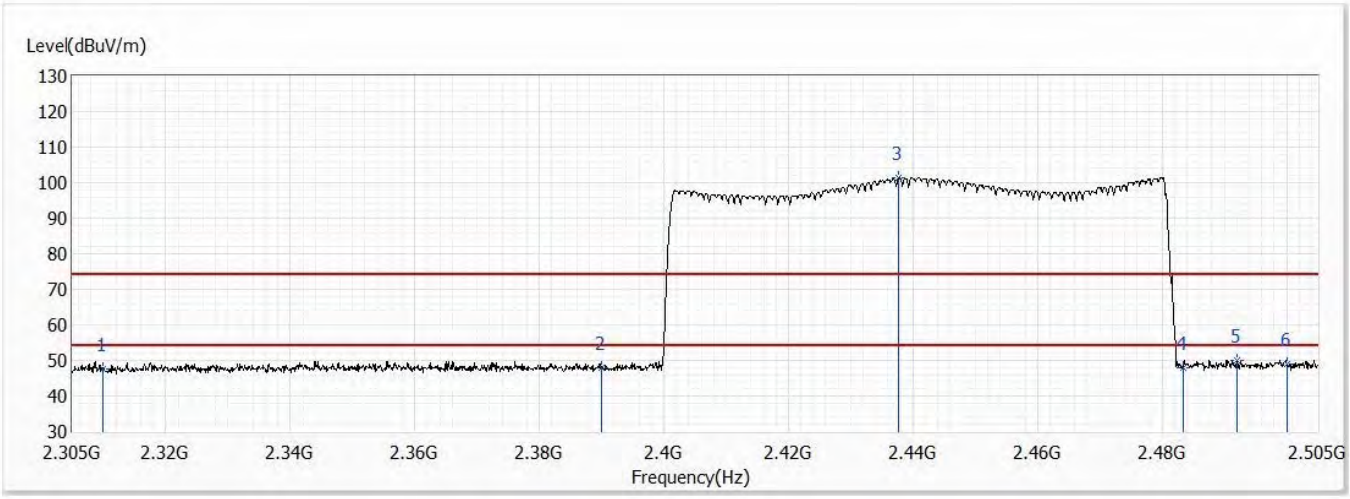


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	48.45	74.00	-25.55	35.84	12.61	PK
2	2390.000	47.76	74.00	-26.24	35.15	12.61	PK
! 3	2440.800	102.31	74.00	28.31	89.60	12.71	PK
4	2483.500	49.22	74.00	-24.78	36.45	12.77	PK
5	2494.800	50.01	74.00	-23.99	37.23	12.78	PK
6	2500.000	48.81	74.00	-25.19	36.02	12.79	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	EA211002	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2021/6/18
Test Mode	Mode1: Transmit	Engineer	Ling Chen
Polarity	Vertical	Temperature (℃)	24.4
Test Condition	DH5,Hopping	Humidity (%RH)	59.0

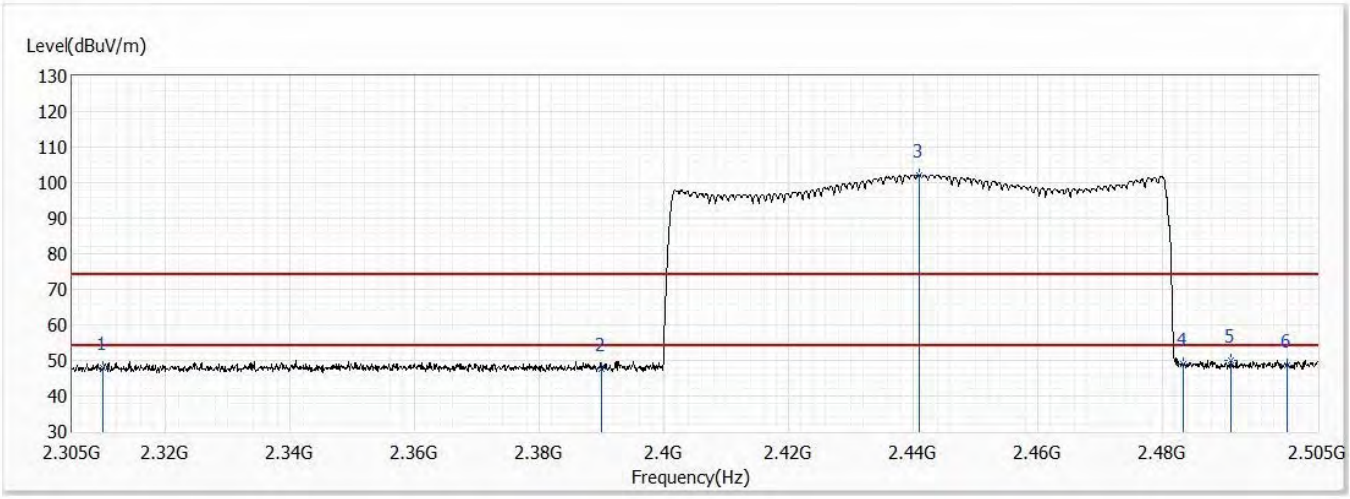


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	47.42	74.00	-26.58	34.81	12.61	PK
2	2390.000	48.04	74.00	-25.96	35.43	12.61	PK
! 3	2437.700	101.36	74.00	27.36	88.66	12.70	PK
4	2483.500	48.07	74.00	-25.93	35.30	12.77	PK
5	2492.000	50.07	74.00	-23.93	37.29	12.78	PK
6	2500.000	49.08	74.00	-24.92	36.29	12.79	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	EA211002	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2021/6/18
Test Mode	Mode1: Transmit	Engineer	Ling Chen
Polarity	Horizontal	Temperature (℃)	24.4
Test Condition	3DH5,Hopping	Humidity (%RH)	59.0

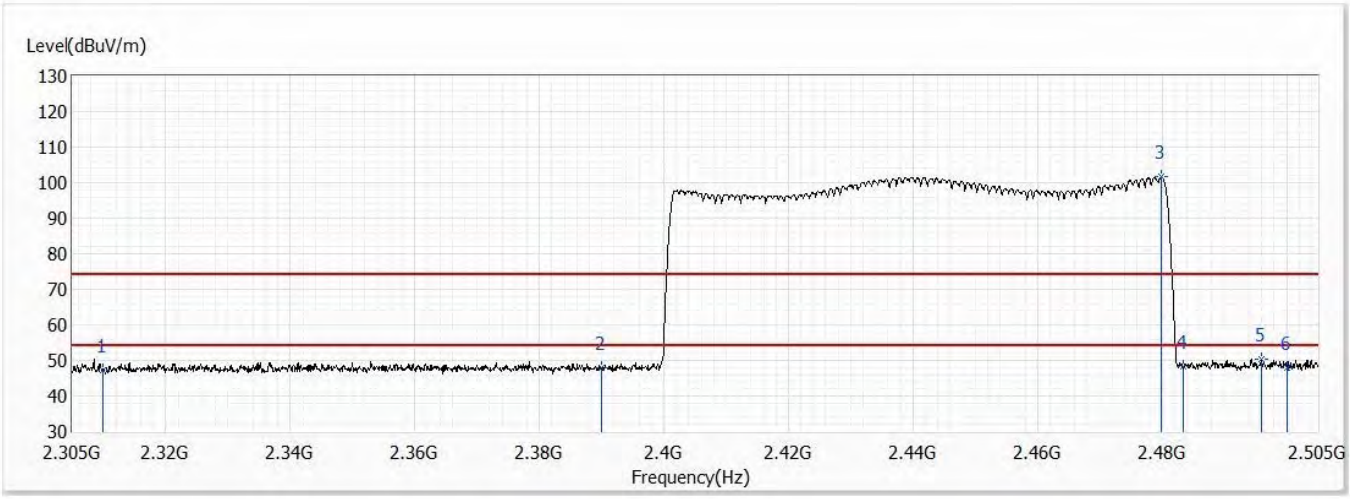


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	48.01	74.00	-25.99	35.40	12.61	PK
2	2390.000	47.57	74.00	-26.43	34.96	12.61	PK
! 3	2441.100	102.12	74.00	28.12	89.41	12.71	PK
4	2483.500	48.86	74.00	-25.14	36.09	12.77	PK
5	2491.100	50.04	74.00	-23.96	37.26	12.78	PK
6	2500.000	48.68	74.00	-25.32	35.89	12.79	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	EA211002	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2021/6/18
Test Mode	Mode1: Transmit	Engineer	Ling Chen
Polarity	Vertical	Temperature (℃)	24.4
Test Condition	3DH5,Hopping	Humidity (%RH)	59.0



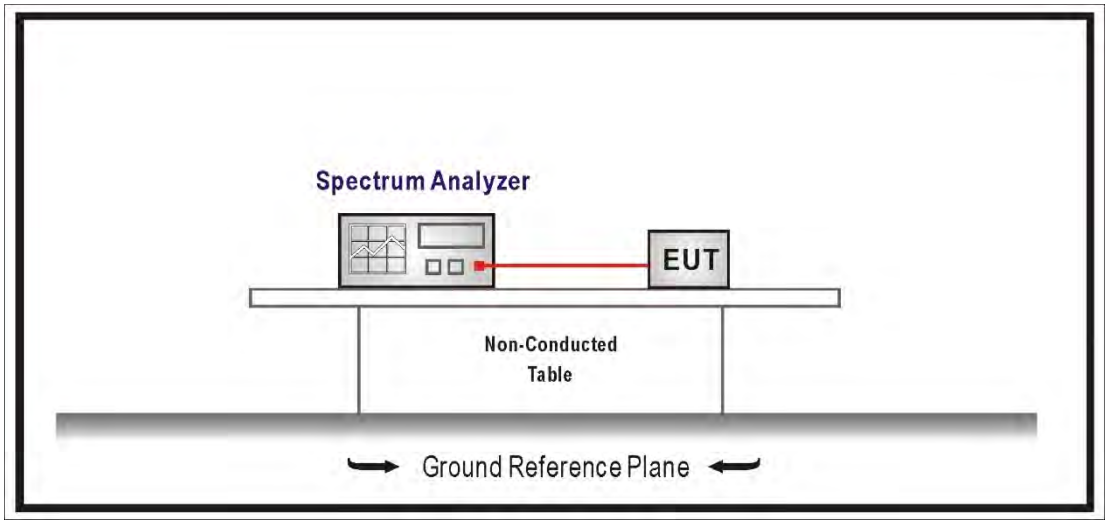
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	47.16	74.00	-26.84	34.55	12.61	PK
2	2390.000	48.09	74.00	-25.91	35.48	12.61	PK
! 3	2479.800	101.72	74.00	27.72	88.95	12.77	PK
4	2483.500	48.37	74.00	-25.63	35.60	12.77	PK
5	2496.000	50.30	74.00	-23.70	37.51	12.79	PK
6	2500.000	47.80	74.00	-26.20	35.01	12.79	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.

7. Number of Hopping Frequency

7.1. Test Setup



7.2. Limits

For frequency hopping systems operating in the 902-928 MHz band: if the 20 dB bandwidth of the hopping channel is less than 250 kHz, the system shall use at least 50 hopping frequencies and the average time of occupancy on any frequency shall not be greater than 0.4 seconds within a 20 second period; if the 20 dB bandwidth of the hopping channel is 250 kHz or greater, the system shall use at least 25 hopping frequencies and the average time of occupancy on any frequency shall not be greater than 0.4 seconds within a 10 second period. The maximum allowed 20 dB bandwidth of the hopping channel is 500 kHz.

Frequency hopping systems in the 2400-2483.5 MHz band shall use at least 15 channels. The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed. Frequency hopping systems may avoid or suppress transmissions on a particular hopping frequency provided that a minimum of 15 channels are used.

Frequency hopping systems operating in the 5725-5850 MHz band shall use at least 75 hopping frequencies. The maximum 20 dB bandwidth of the hopping channel is 1 MHz. The average time of occupancy on any frequency shall not be greater than 0.4 seconds within a 30 second period.

7.3. Test Procedures

The EUT was setup according to ANSI C63.10: 2013 and tested according to FHSS test procedure of FCC KDB 558074 D01 v05r02 for compliance to FCC 47CFR 15.247 requirements.

7.4. Test Specification

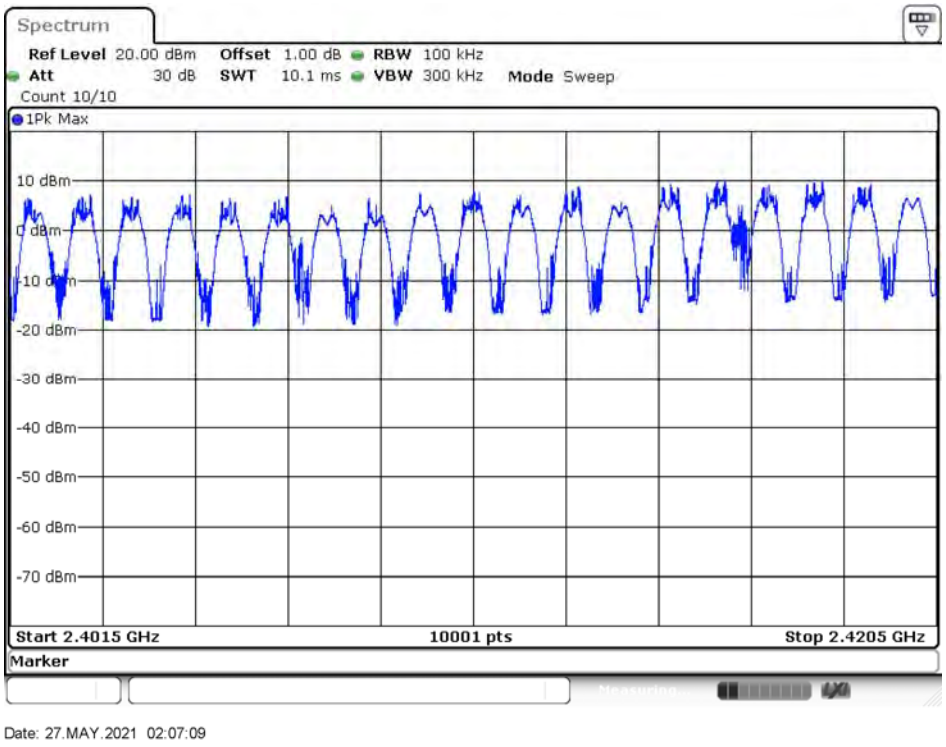
According to FCC Part 15 Subpart C Paragraph 15.247: 2019

7.5. Test Result

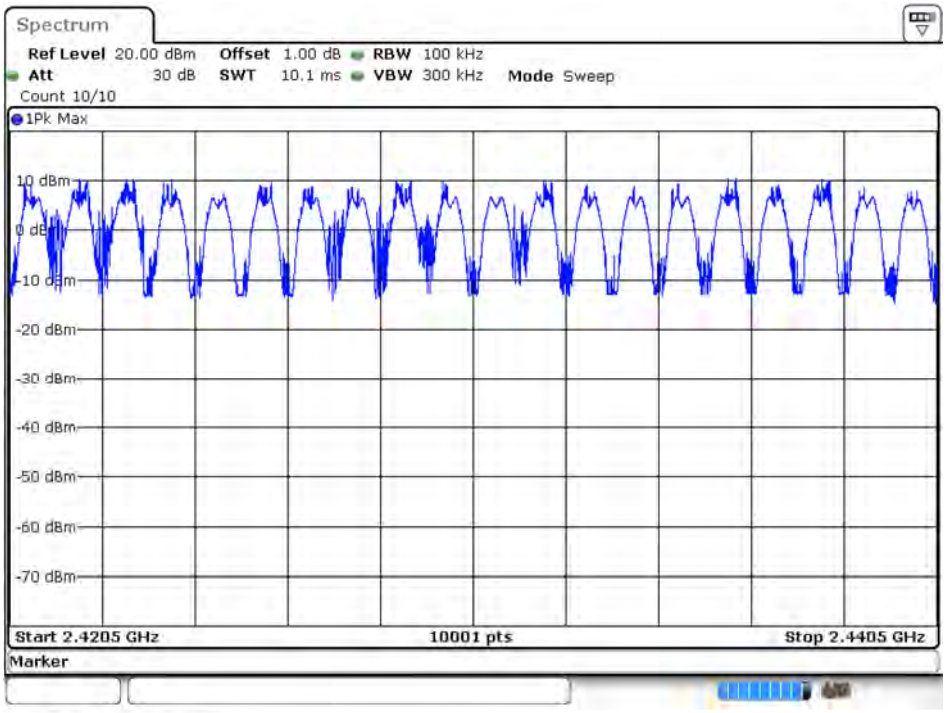
Product Name	WCDMA/LTE Mobile Phone		
Test Mode	Mode 1: Transmit		
Date of Test	2021/05/27	Test Site	SR12-H
Temperature(°C)	24.6	Humidity (%RH)	58.0

Frequency Range (MHz)	Measure Level (Channels)	Limit (Channels)
2402 - 2480	79	≧ 75

2402.5-2420.5MHz

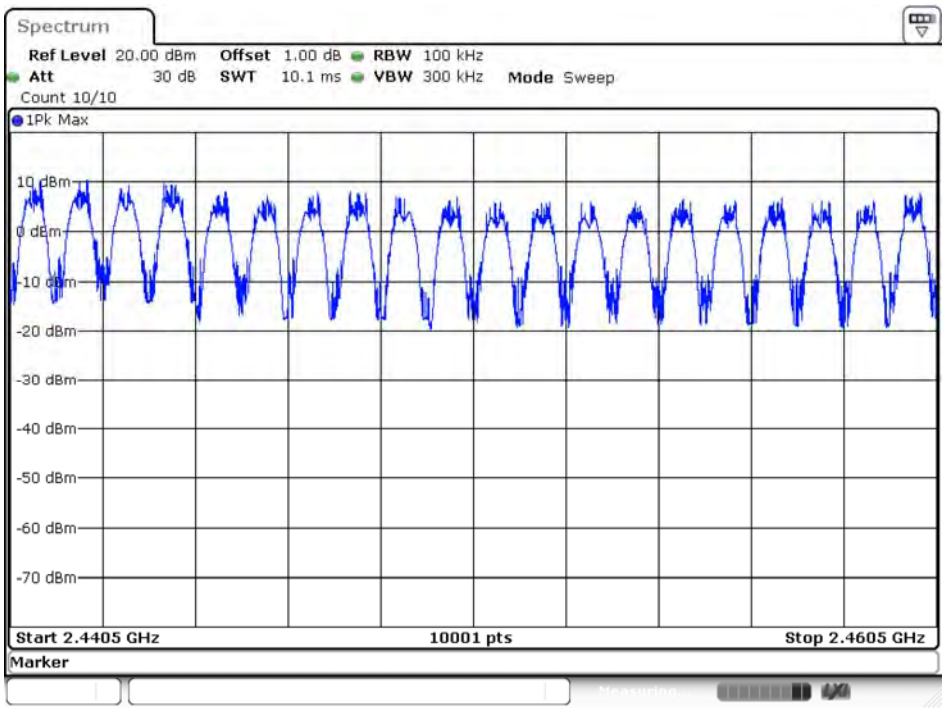


2420.5-2440.5MHz



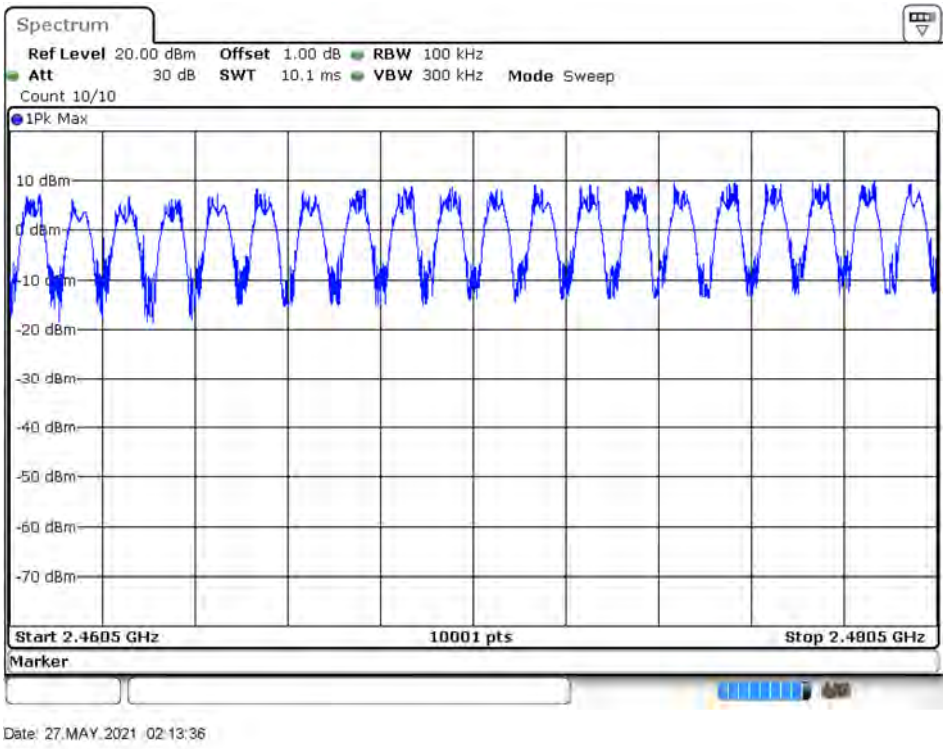
Date: 27.MAY.2021 02:09:19

2440.5-2460.5MHz



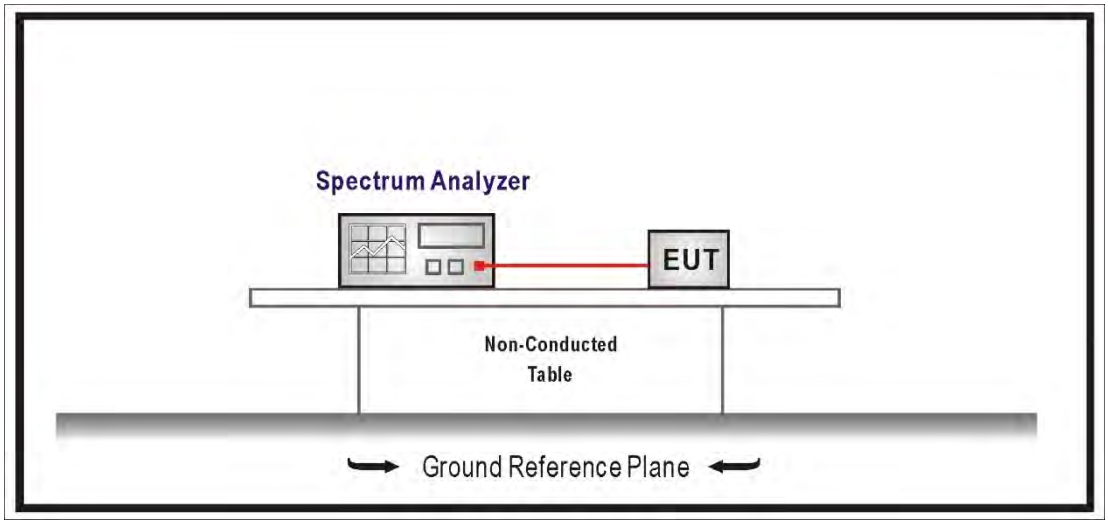
Date: 27.MAY.2021 02:11:15

2460.5-2480.5MHz



8. Carrier Frequency Separation

8.1. Test Setup



8.2. Limits

Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater. Alternatively, frequency hopping systems operating in the 2400-2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater, provided the systems operate with an Maximum peak conducted output power no greater than 125 mW. The system shall hop to channel frequencies that are selected at the system hopping rate from a pseudo randomly ordered list of hopping frequencies. Each frequency must be used equally on the average by each transmitter. The system receivers shall have input bandwidths that match the hopping channel bandwidths of their corresponding transmitters and shall shift frequencies in synchronization with the transmitted signals.

8.3. Test Procedures

The EUT was setup according to ANSI C63.10: 2013 and tested according to FHSS test procedure of FCC KDB 558074 D01 v05r02 for compliance to FCC 47CFR 15.247 requirements.

8.4. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2019

8.5. Test Result

Product Name	WCDMA/LTE Mobile Phone		
Test Mode	Mode 1: Transmit		
Date of Test	2021/05/27	Test Site	SR12-H
Temperature(°C)	24.6	Humidity (%RH)	58.0

GFSK

Channel No.	Frequency (MHz)	Measure Value (MHz)	Limit (MHz)
00	2402	1.000	≧ 0.530
39	2441	1.001	≧ 0.525
78	2480	1.001	≧ 0.489

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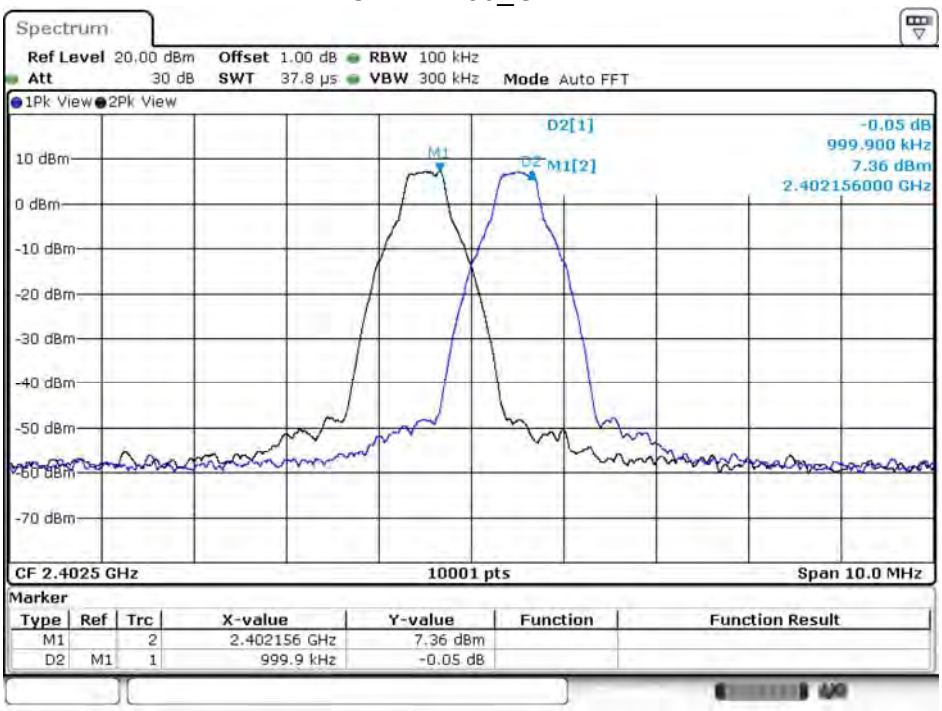
Channel No.	Frequency (MHz)	Measure Value (MHz)	Limit (MHz)
00	2402	1.000	≧ 0.837
39	2441	1.001	≧ 0.847
78	2480	1.001	≧ 0.850

Channel 00_GFSK



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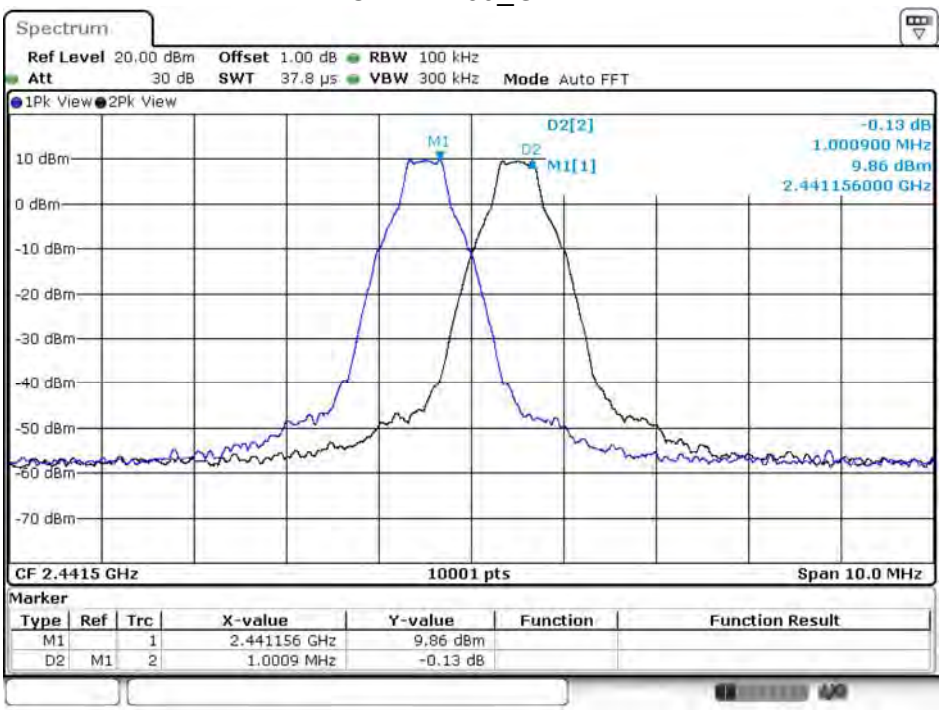
Channel 39_GFSK



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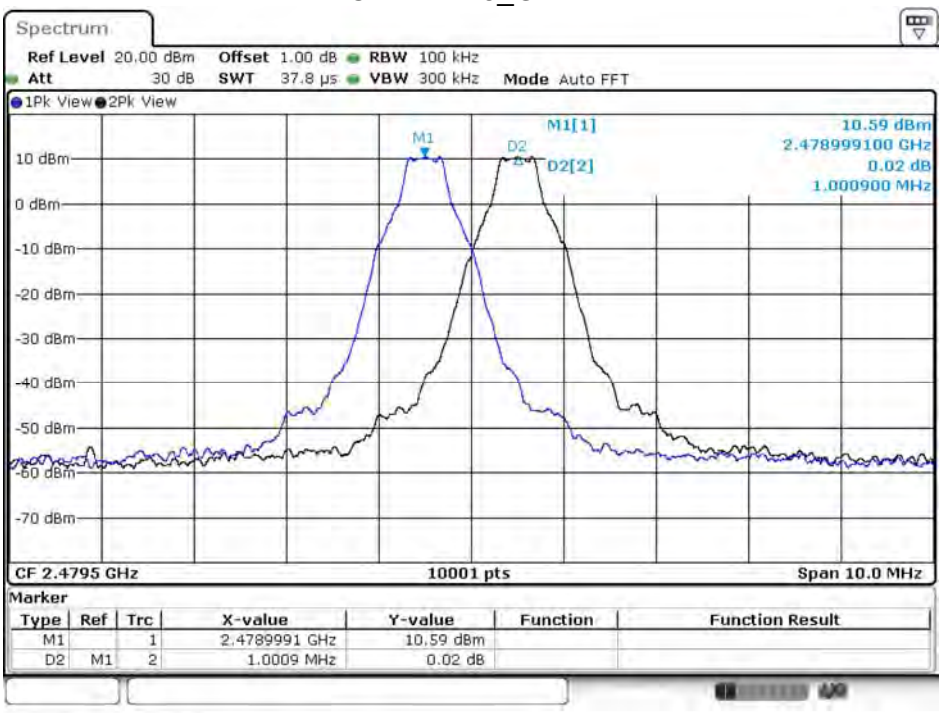
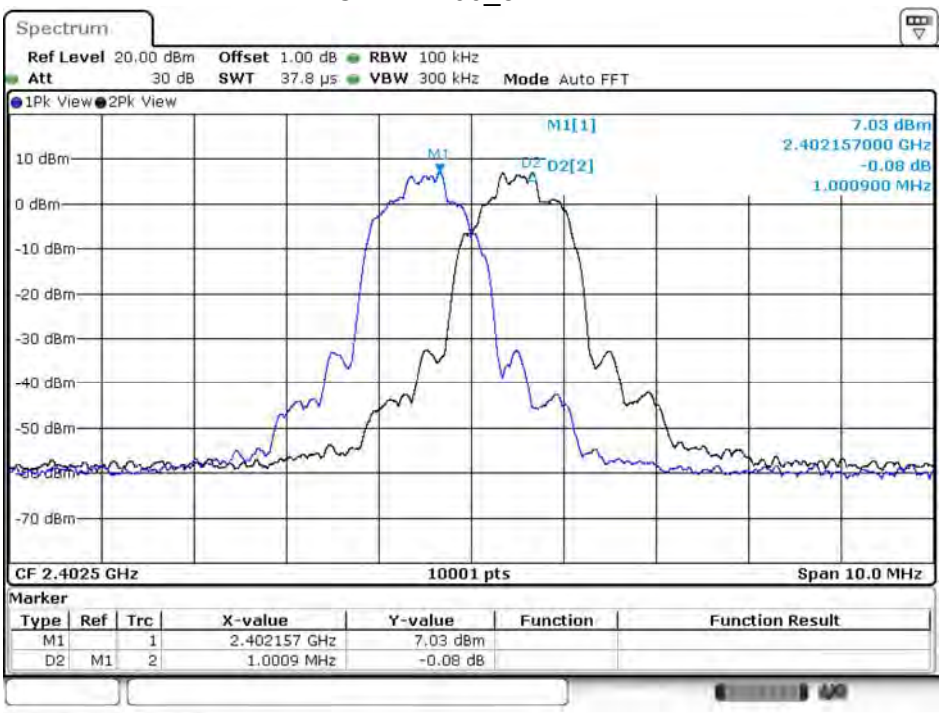
Channel 78_GFSK



Date: 27.MAY.2021 01:50:31

Channel 00_8-DPSK



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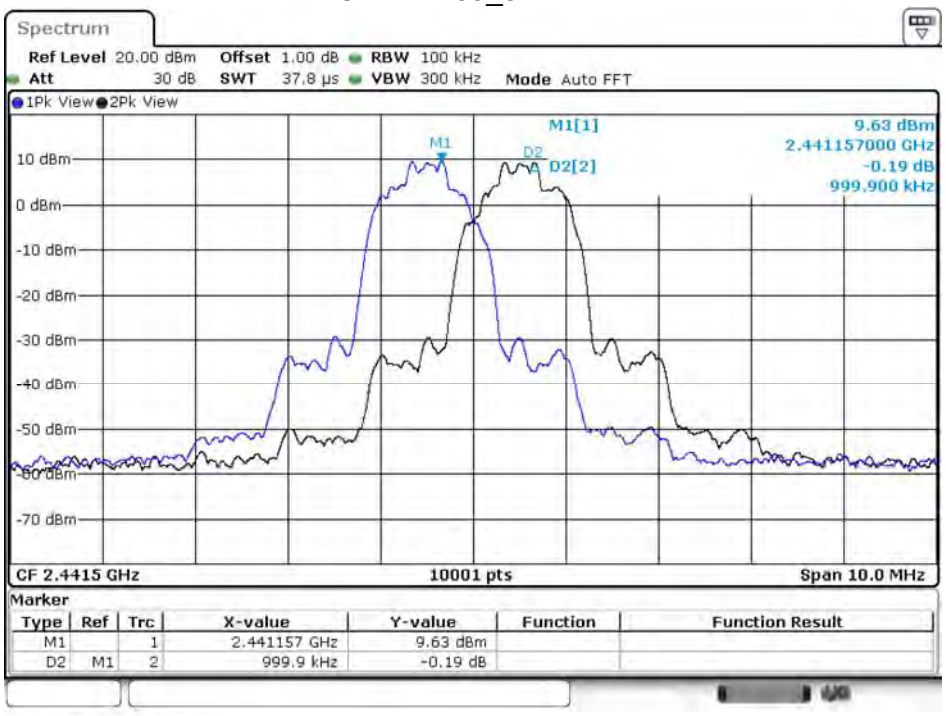
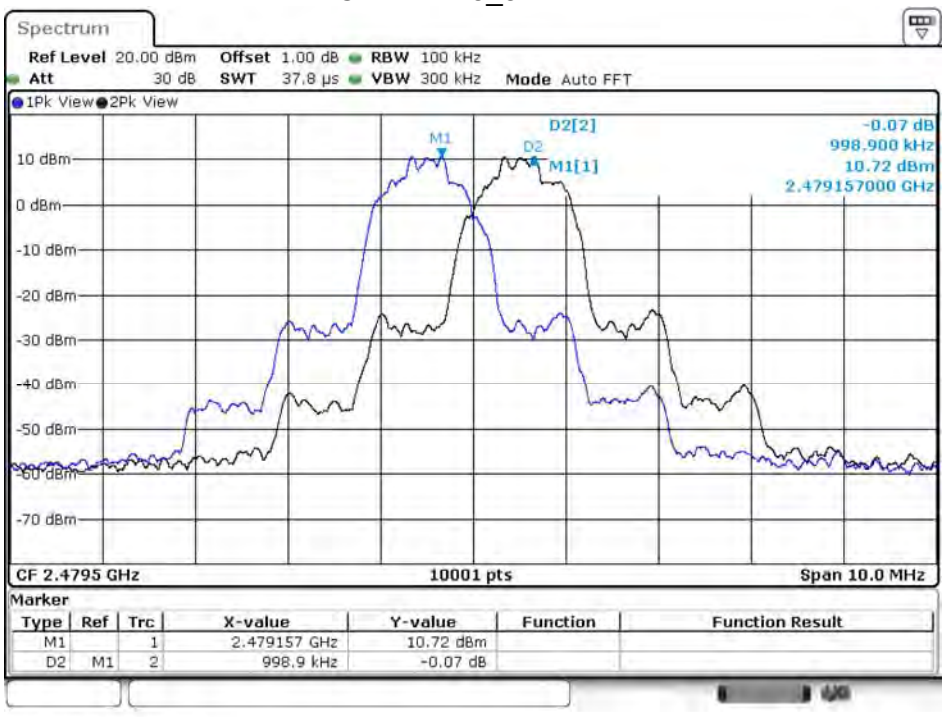
Channel 39_8-DPSK

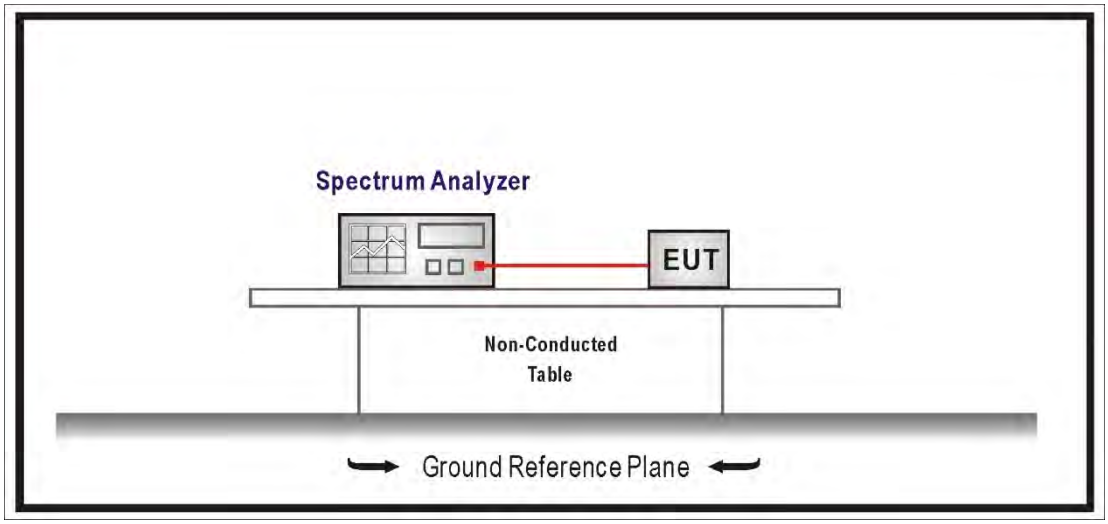


Channel 78_8-DPSK



9. 20dB Bandwidth

9.1. Test Setup



9.2. Limits

N/A

9.3. Test Procedures

The EUT was setup according to ANSI C63.10: 2013 and tested according to FHSS test procedure of FCC KDB 558074 D01 v05r02 for compliance to FCC 47CFR 15.247 requirements

Use the following spectrum analyzer settings:

Span = approximately 2 to 3 times the 20 dB bandwidth, centered on a hopping channel RBW ≥ 1% of the 20 dB bandwidth, VBW ≥ RBW, Sweep = auto, Detector function = peak, Trace = max hold, The EUT should be transmitting at its maximum data rate.

9.4. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2019.

9.5. Test Result

Product Name	WCDMA/LTE Mobile Phone		
Test Mode	Mode 1: Transmit mode		
Date of Test	2021/05/25	Test Site	SR12-H
Temperature(°C)	23.0	Humidity (%RH)	65.0

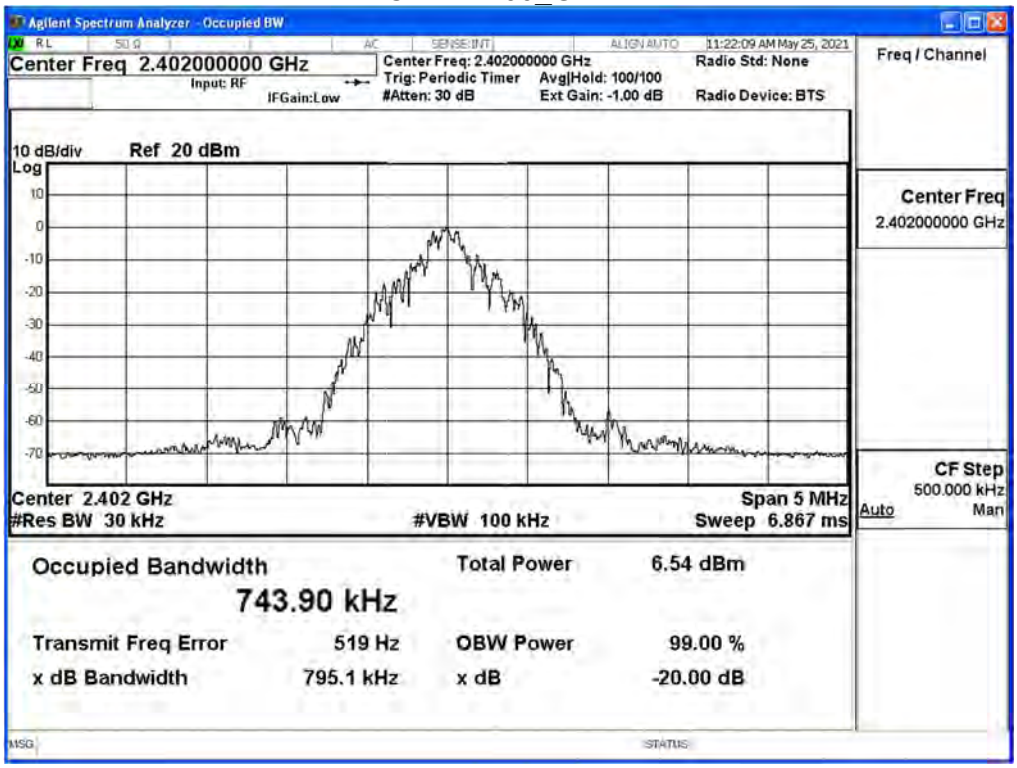
GFSK

Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
00	2402	0.795	---
39	2441	0.787	---
78	2480	0.733	---

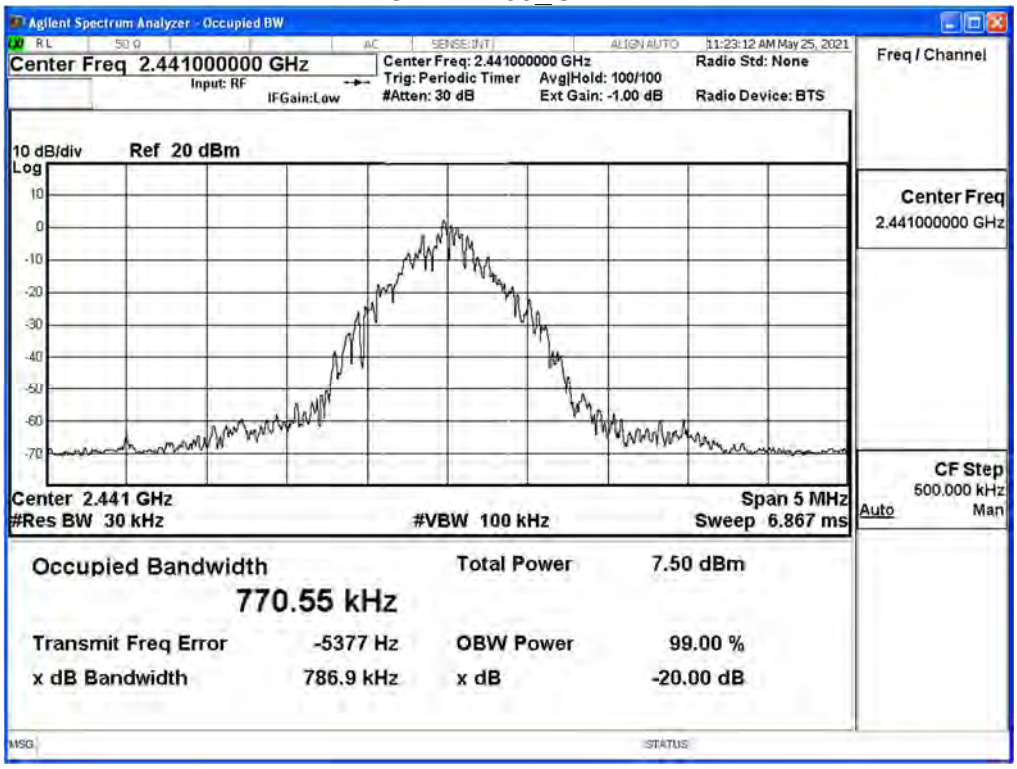
8-DPSK

Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
00	2402	1.255	---
39	2441	1.273	---
78	2480	1.275	---

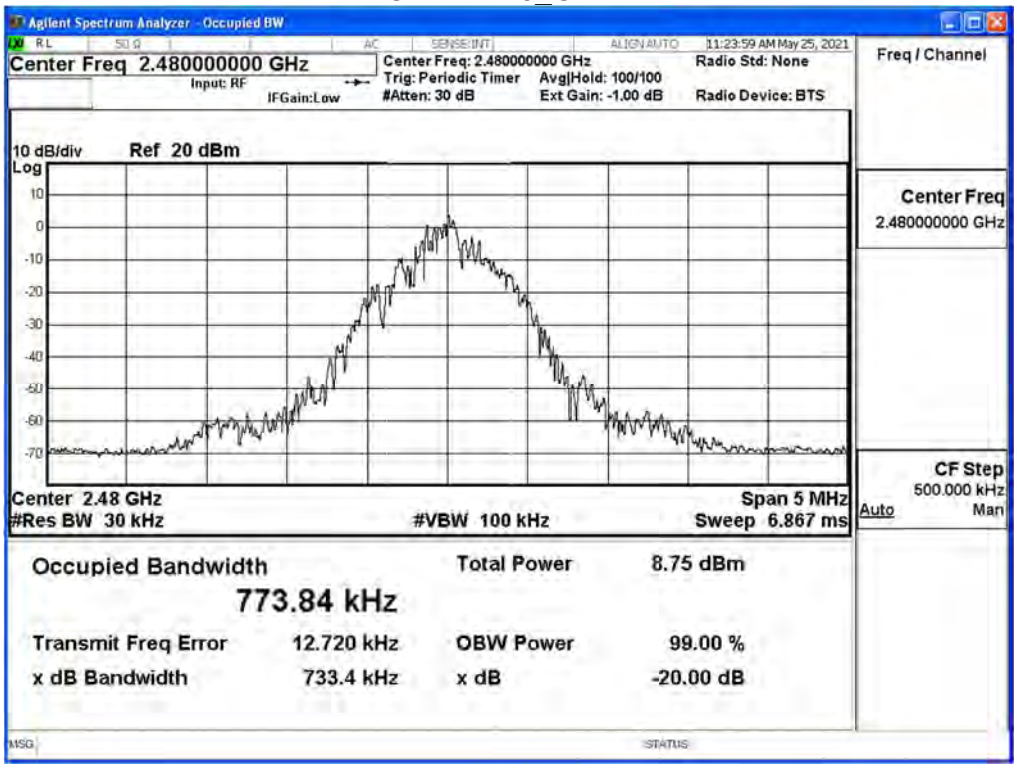
Channel 00_GFSK



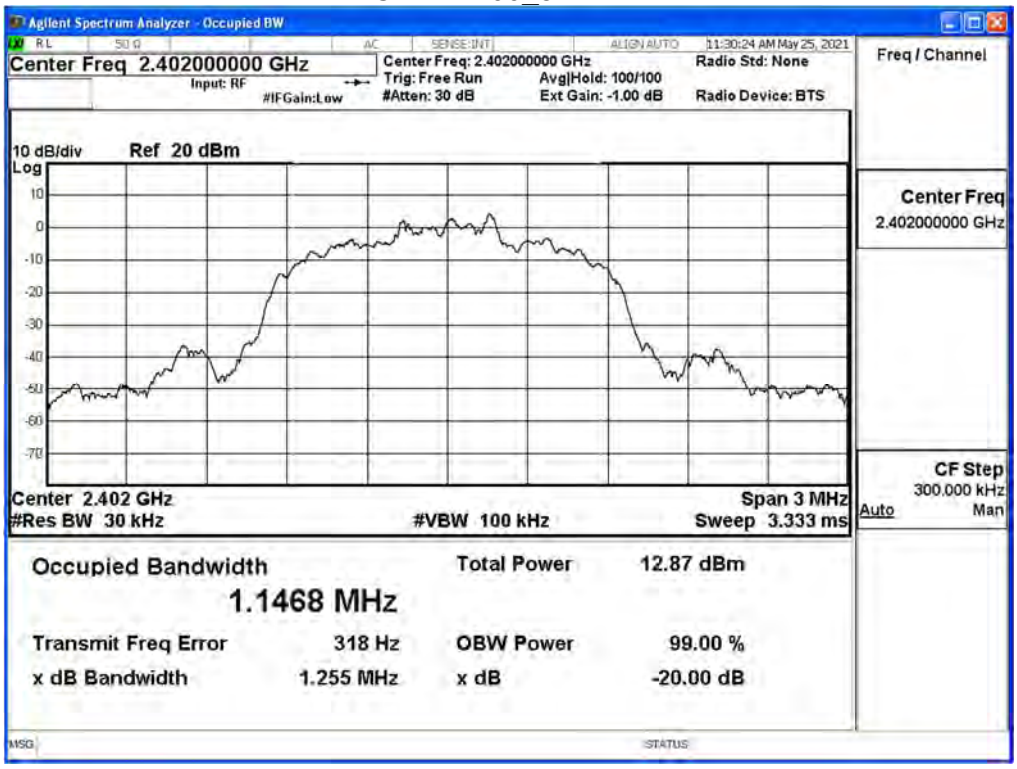
Channel 39_GFSK



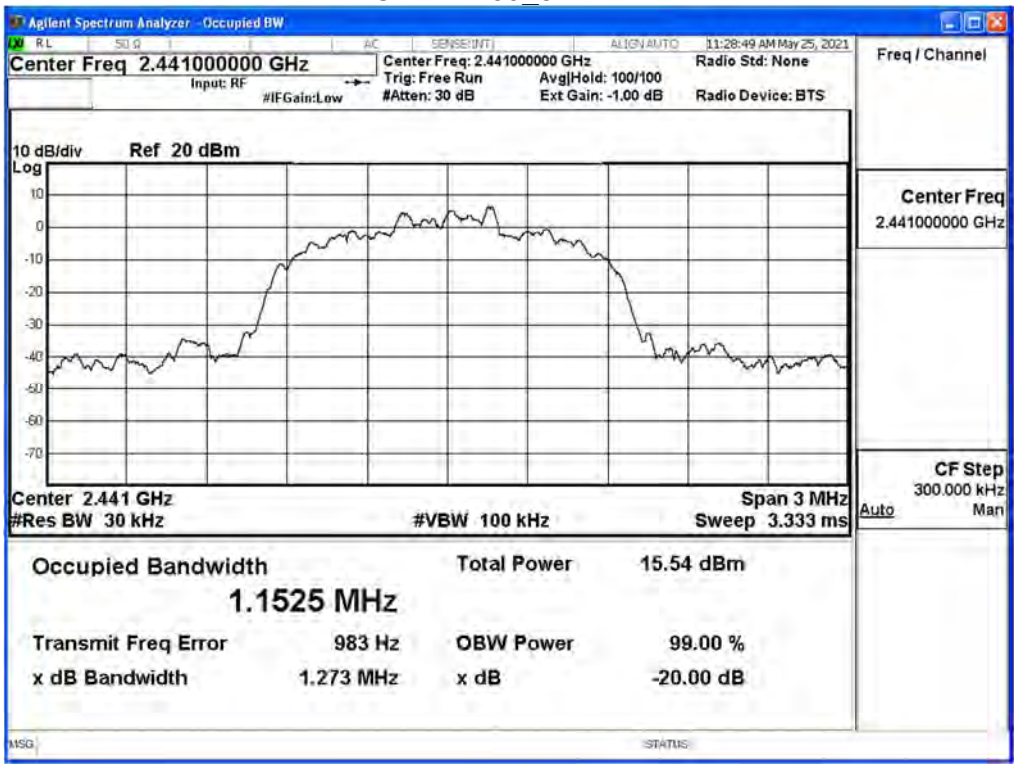
Channel 78_GFSK



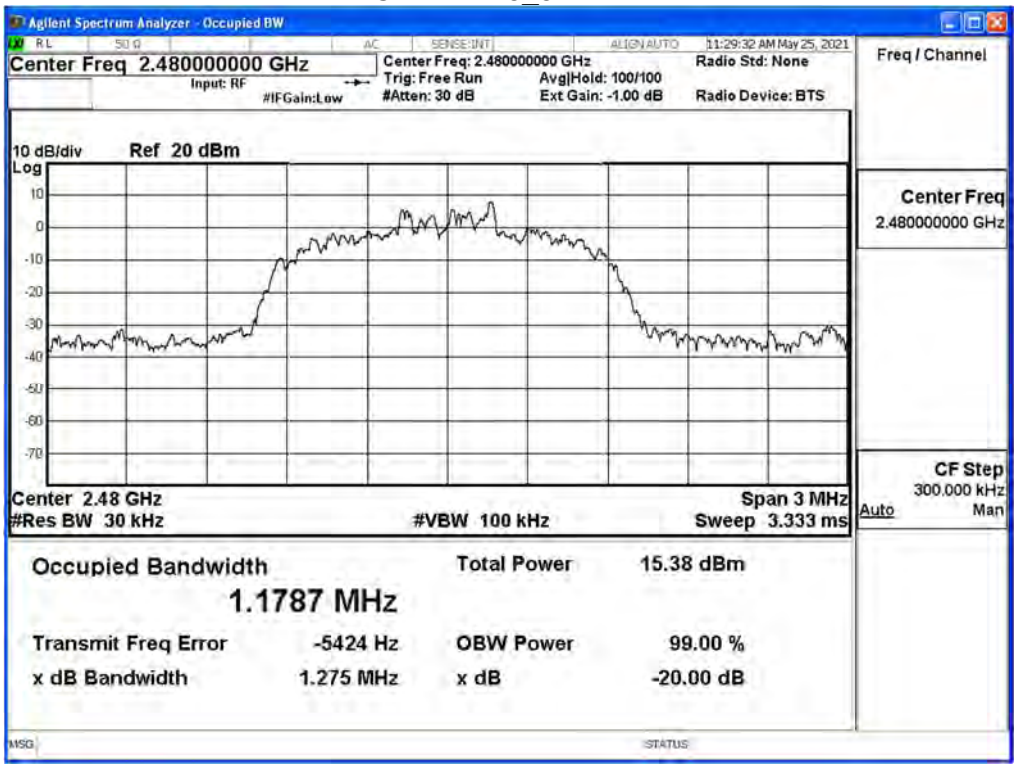
Channel 00_8-DPSK



Channel 39_8-DPSK

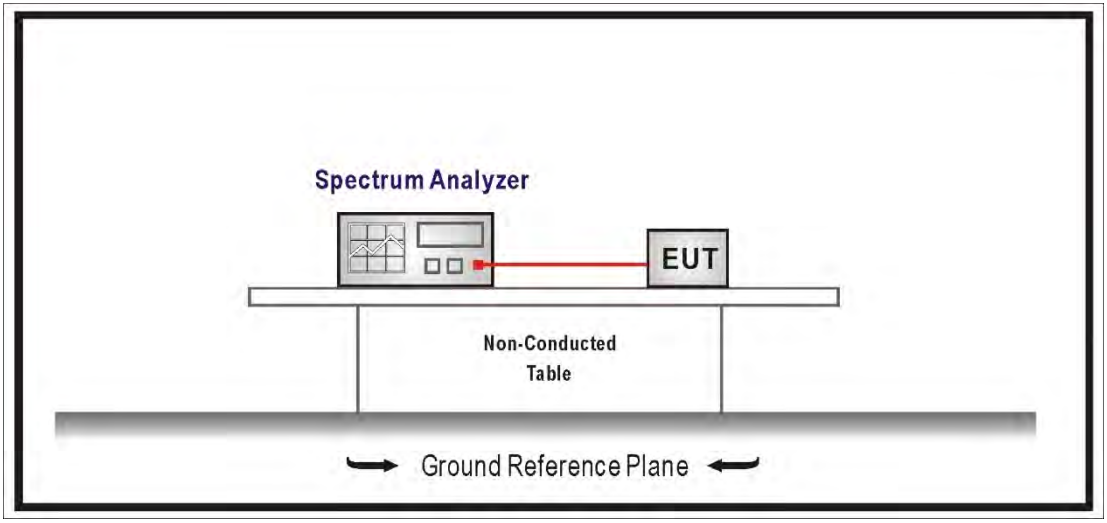


Channel 78_8-DPSK



10. Dwell Time

10.1. Test Setup



10.2. Limits

For frequency hopping systems operating in the 902-928 MHz band: if the 20 dB bandwidth of the hopping channel is less than 250 kHz, the system shall use at least 50 hopping frequencies and the average time of occupancy on any frequency shall not be greater than 0.4 seconds within a 20 second period; if the 20 dB bandwidth of the hopping channel is 250 kHz or greater, the system shall use at least 25 hopping frequencies and the average time of occupancy on any frequency shall not be greater than 0.4 seconds within a 10 second period.

For frequency hopping systems operating in the 2400-2483.5 MHz bands. The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed.

For frequency hopping systems operating in the 5725-5850 MHz bands. The average time of occupancy on any frequency shall not be greater than 0.4 seconds within a 30 second period.

10.3. Test Procedures

The EUT was setup according to ANSI C63.10: 2013 and tested according to FHSS test procedure of FCC KDB 558074 D01 v05r02 for compliance to FCC 47CFR 15.247 requirements

Span = zero span, centered on a hopping channel, RBW = 1 MHz, VBW ≥ RBW,

Sweep = as necessary to capture the entire dwell time per hopping channel,

Detector function = peak, Trace = max hold.

10.4. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2019

10.5. Test Result

Product Name	WCDMA/LTE Mobile Phone		
Test Mode	Mode 1: Transmit		
Date of Test	2021/05/27	Test Site	SR12-H
Temperature(°C)	24.6	Humidity (%RH)	58.0

GFSK

Occupancy Time of Frequency Hopping System

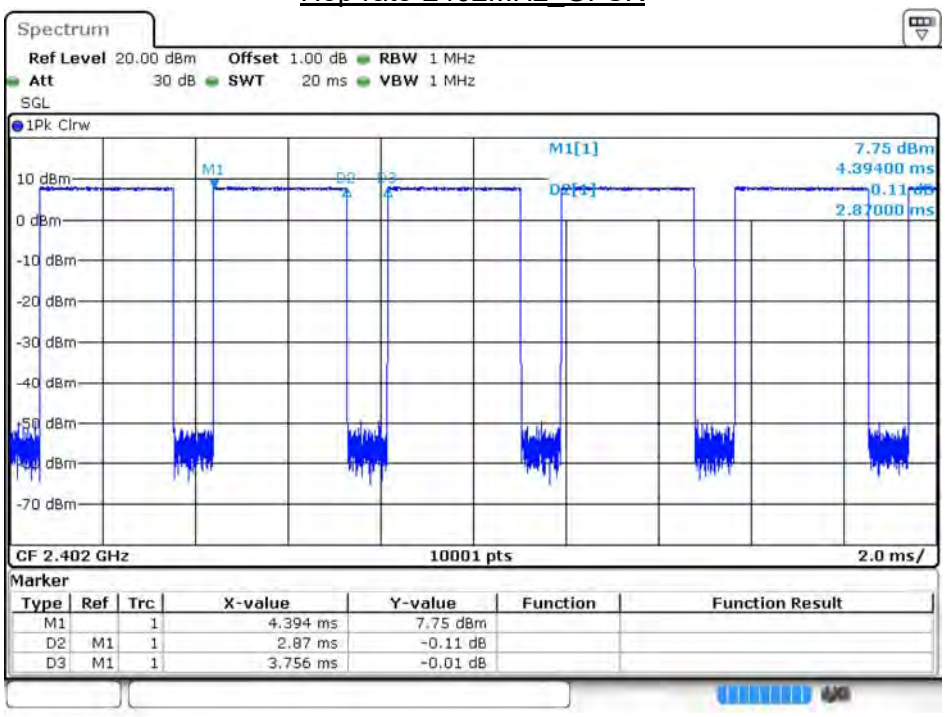
A) 2402MHz Test Time Period: 0.4*79=31.60sec，Time slot length : 2.870 ms = 0.002870 sec
Dwell Time : 0.002870 *(266.67/79)* 31.60= 0.361 sec。

B) 2441MHz Test Time Period: 0.4*79=31.60sec，Time slot length : 2.874 ms = 0.002874 sec
Dwell Time : 0.002874 *(266.67/79)* 31.60= 0.3066 sec。

C) 2480MHz Test Time Period: 0.4*79=31.60sec，Time slot length : 2.872 ms = 0.002872 sec
Dwell Time : 0.002872 *(266.67/79)* 31.60= 0.3064 sec。

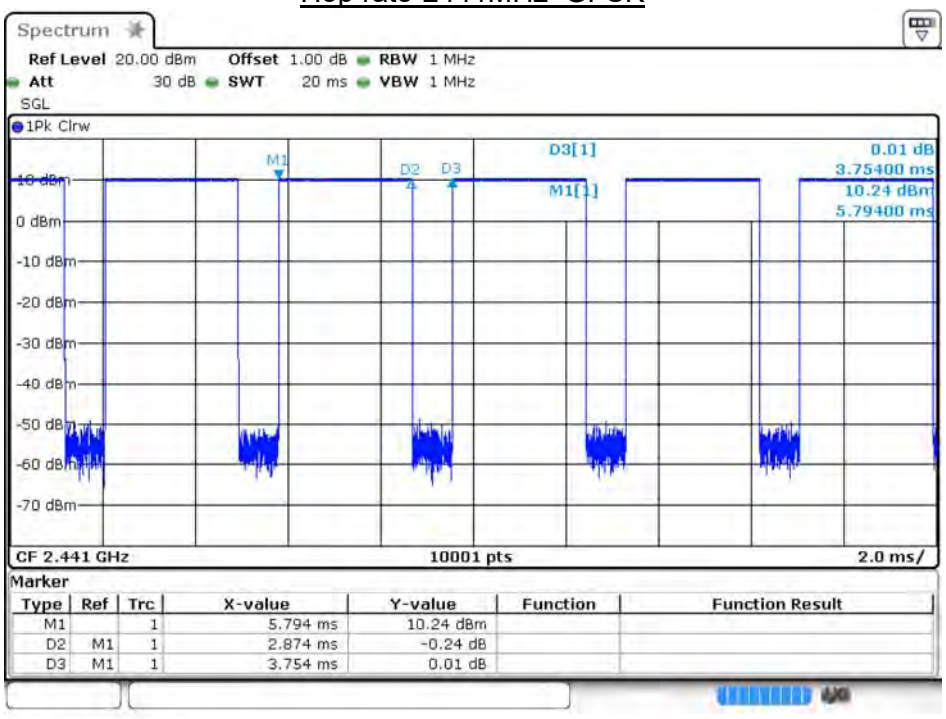
Test Result: The Average Occupancy Time of Each Highest，Middle and Lowest Channel Is Less Than 0.4sec，And Corresponds to The Standard。

Hop rate-2402MHz_GFSK



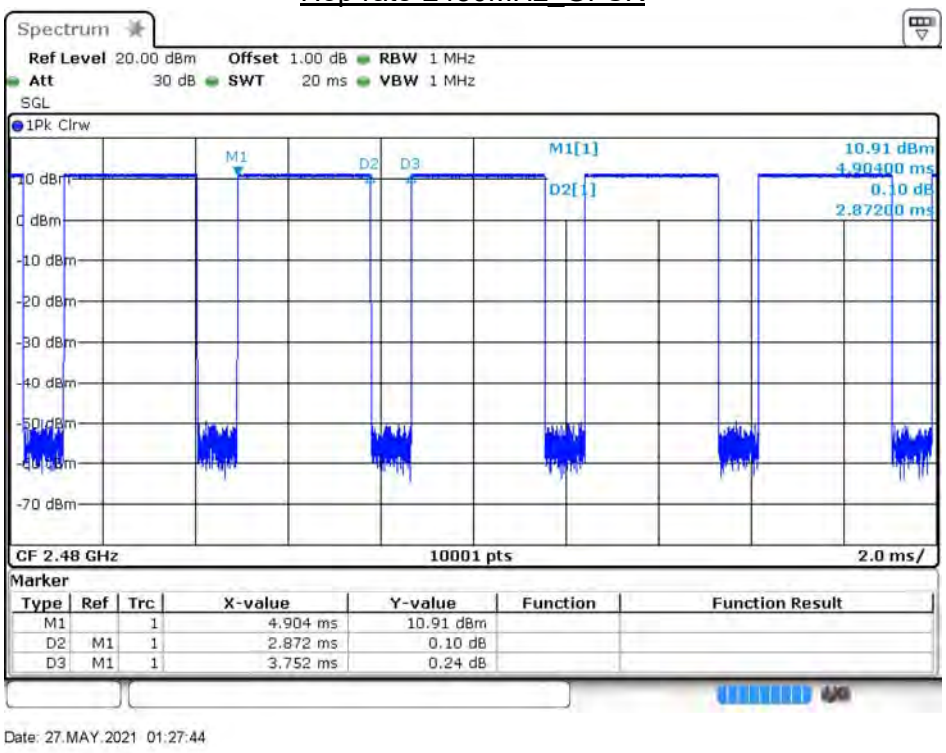
Date: 27.MAY.2021 01:24:55

Hop rate-2441MHz_GFSK



Date: 27.MAY.2021 01:26:00

Hop rate-2480MHz_GFSK



Note: Dwell time＝time slot length * hop rate / number of hopping channels * period

Product Name	WCDMA/LTE Mobile Phone		
Test Mode	Mode 1: Transmit		
Date of Test	2021/06/18	Test Site	SR12-H
Temperature(°C)	26.0	Humidity (%RH)	67.0

8-DPSK

Occupancy Time of Frequency Hopping System

A) 2402MHz Test Time Period: 0.4*79=31.60sec，Time slot length : 2.886 ms = 0.002886 sec

Dwell Time : 0.002886 *(266.67/79)* 31.60= 0.3078 sec。

B) 2441MHz Test Time Period: 0.4*79=31.60sec，Time slot length : 2.878 ms = 0.002878 sec

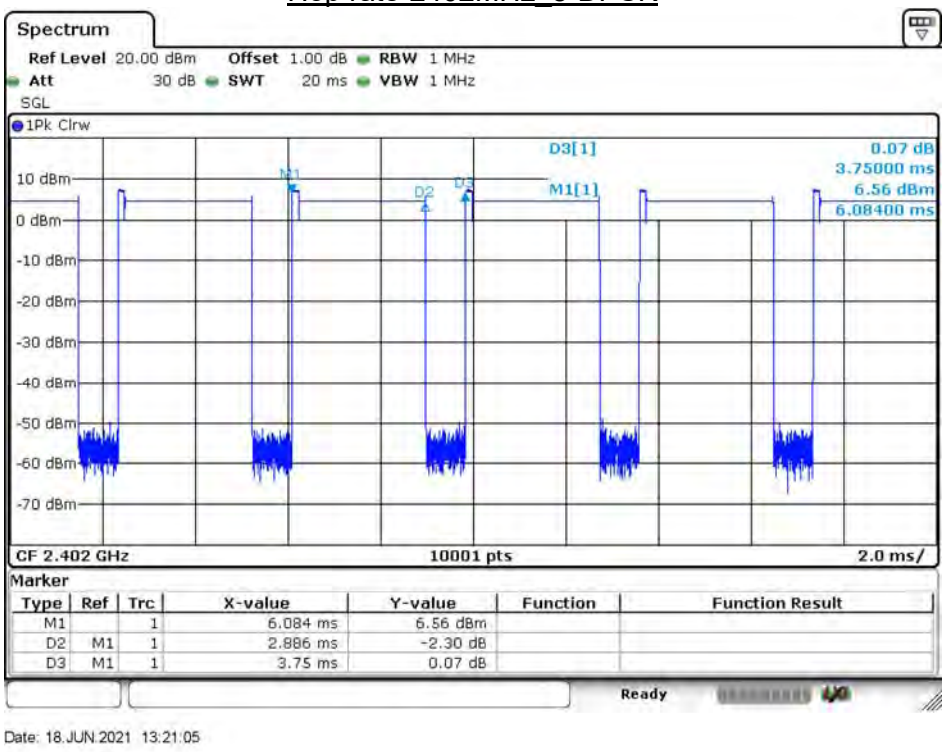
Dwell Time : 0.002878 *(266.67/79)* 31.60= 0.3070 sec。

C) 2480MHz Test Time Period: 0.4*79=31.60sec，Time slot length : 2.886 ms = 0.002886 sec

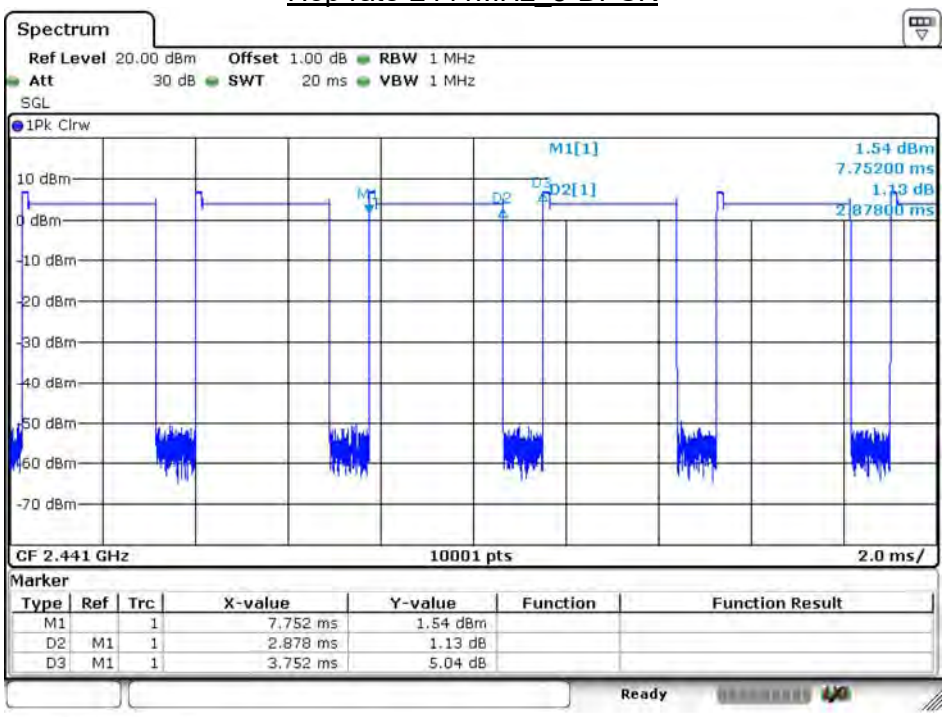
Dwell Time : 0.002886 *(266.67/79)* 31.60= 0.3078 sec。

Test Result: The Average Occupancy Time of Each Highest，Middle and Lowest Channel Is Less Than 0.4sec，And Corresponds to The Standard。

Hop rate-2402MHz_8-DPSK

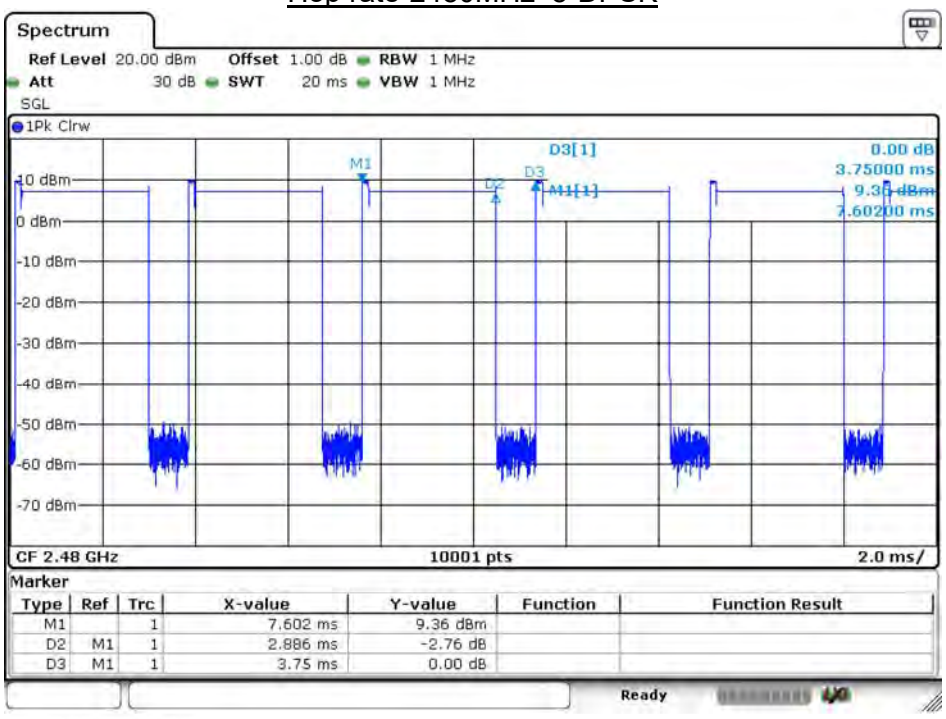


Hop rate-2441MHz_8-DPSK



Date: 18.JUN.2021 13:24:20

Hop rate-2480MHz_8-DPSK



Date: 18.JUN.2021 13:25:26

Note: Dwell time＝time slot length * hop rate / number of hopping channels * period