

FCC Test Report

Product Name : LATTE ART PRINTER

Trade Name : Jolimark

Model No. : CP111D

FCC ID. : WAGCP111D

Applicant : KONG YUE ELECTRONICS & INFORMATION INDUSTRY LTD.

Address : 18 Kongyue Road, Jinguzhou Zone, Xinhui District, Jiangmen City,
Guangdong Province, China

Date of Receipt : Mar. 26, 2019

Issued Date : Jun. 22, 2021

Report No. : 1930419R-RFUSP73V00

Report Version : V1.0



The test results relate only to the samples tested.

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Test Report Certification

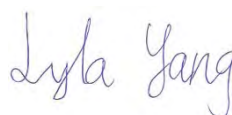
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Product Name : LATTE ART PRINTER
Applicant : KONG YUE ELECTRONICS & INFORMATION INDUSTRY LTD.
Address : 18 Kongyue Road, Jinguzhou Zone, Xinhui District, Jiangmen City,
Guangdong Province, China
Manufacturer : KONG YUE ELECTRONICS & INFORMATION INDUSTRY LTD.
Model No. : CP111D
Trade Name : Jolimark
FCC ID. : WAGCP111D
EUT Test Voltage : AC 100~240V, 50-60Hz
Testing Voltage : AC 120V/60Hz
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 :



(Lyla Yang / Engineering Adm. Specialist)

Tested By :



(Max Chang / Senior Engineer)

Approved By :



(Louis Hsu / Deputy Manager)

Revision History

Version	Description	Issued Date
V1.0	Initial issue of report	Jun. 22, 2021

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1. General Information

1.1. EUT Description

Product Name	LATTE ART PRINTER	
Trade Name	Jolimark	
Model No.	CP111D	
Frequency Range/ Channel Number	IEEE 802.11b/g	2412~2462MHz / 11 Channels
	IEEE 802.11n (20MHz)	
	IEEE 802.11n (40MHz)	2422~2452MHz / 7 Channels
Type of Modulation	IEEE 802.11b	Direct Sequence Spread Spectrum
	IEEE 802.11g/n	Orthogonal Frequency Division Multiplexing
Data Speed	IEEE 802.11b	1, 2, 5.5, 11Mbps
	IEEE 802.11g	6, 12, 18, 24, 36, 48, 54Mbps
	IEEE 802.11n	Support a subset of the combination of GI, MCS 0~MCS 7 and bandwidth defined in 802.11n

Antenna Information	
MFR. / Model No.	SHENZHEN HENGXIANGTONG / HXT_706
Antenna Type	FPC antenna
Antenna Gain	-1dBi

Accessories Information	
Adapter	FSP, FSP060-DAAN3 I/P: 100-240V~, 1.8A 50-60Hz O/P: 24.0V ===2.5A(60W MAX) Cable out: Non-Shielded,1m, one ferrite core bonded.
Power Cable	Non-Shielded, 1.8m.

ANT-TX / RX & Bandwidth

ANT-TX / RX	TX		RX	
	20MHz	40MHz	20MHz	40MHz
IEEE802.11b	✓		✓	
IEEE802.11g	✓		✓	
IEEE802.11n	✓	✓	✓	✓

IEEE 802.11b/g, IEEE 802.11n (20MHz)

Working Frequency of Each Channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
001	2412 MHz	002	2417 MHz	003	2422 MHz	004	2427 MHz
005	2432 MHz	006	2437 MHz	007	2442 MHz	008	2447 MHz
009	2452 MHz	010	2457 MHz	011	2462 MHz	-	-

IEEE 802.11n (40MHz)

Working Frequency of Each Channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
003	2422 MHz	004	2427 MHz	005	2432 MHz	006	2437 MHz
007	2442 MHz	008	2447 MHz	009	2452 MHz	-	-

Note:

1. This device is an LATTE ART PRINTER supports 2.4GHz b/g/n, BT 4.0 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. The preliminary tests were performed in different data rate, and to find the worst condition, which was shown in this test report. The following table is the final test mode.

Test Mode	Mode 1: Transmit Mode			
Test Items	Modulation	Channel	Antenna	Result
Conducted Emission	11n(40MHz)	6	0	Complies
Maximum peak conducted output power	11b/g	1/6/11	0	Complies
	11n(20MHz)	1/6/11	0	Complies
	11n(40MHz)	3/6/9	0	Complies
Radiated Emission	11b/g	1/6/11	0	Complies
	11n(20MHz)	1/6/11	0	Complies
	11n(40MHz)	3/6/9	0	Complies
RF antenna conducted test	11b/g	1/6/11	0	Complies
	11n(20MHz)	1/6/11	0	Complies
	11n(40MHz)	3/6/9	0	Complies
Radiated Emission Band Edge	11b/g	1/6/11	0	Complies
	11n(20MHz)	1/6/11	0	Complies
	11n(40MHz)	3/6/9	0	Complies
DTS Bandwidth	11b/g	1/6/11	0	Complies
	11n(20MHz)	1/6/11	0	Complies
	11n(40MHz)	3/6/9	0	Complies
Occupied Bandwidth	11b/g	1/6/11	0	Complies
	11n(20MHz)	1/6/11	0	Complies
	11n(40MHz)	3/6/9	0	Complies
Power Density	11b/g	1/6/11	0	Complies
	11n(20MHz)	1/6/11	0	Complies
	11n(40MHz)	3/6/9	0	Complies

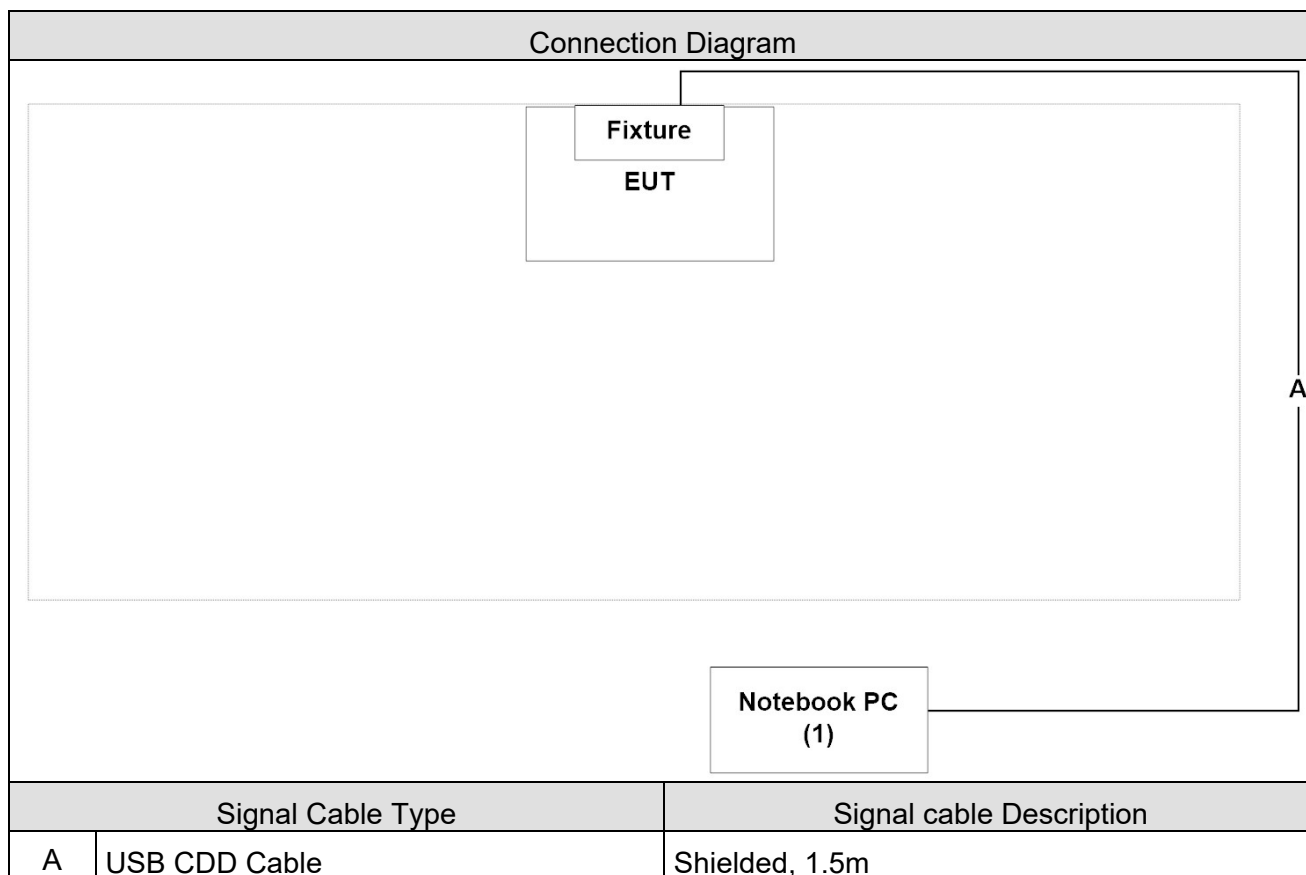
Determining compliance shall be based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

1.3. Tested System Details

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

Product	Manufacturer	Model No.	Serial No.	FCC ID	Power Cord
1 Notebook PC	Lenovo	B590	WB15330077	DoC	Non-Shielded, 1.8m, one ferrite core bonded
2 Fixtuer	AIS	N/A	--	DoC	--

1.4. Configuration of tested System



1.5. EUT Exercise Software

1	Setup the EUT as shown in Section 1.4.
2	Execute the command on the notebook.
3	Configure the test mode, the test channel, and the data rate.
4	Make the EUT to start the continuous transmitting or receiving.
5	Verify that the EUT works 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 Conducted Emission	15 - 35	2
Humidity (%RH)		25 - 75	
Temperature (°C)	FCC PART 15 C 15.247 Maximum peak conducted output power	15 - 35	1
Humidity (%RH)		25 - 75	
Temperature (°C)	FCC PART 15 C 15.247 Radiated Emission	15 - 35	1
Humidity (%RH)		25 - 75	
Temperature (°C)	FCC PART 15 C 15.247 RF antenna conducted test	15 - 35	1
Humidity (%RH)		25 - 75	
Temperature (°C)	FCC PART 15 C 15.247 Radiated Emission Band Edge	15 - 35	1
Humidity (%RH)		25 - 75	
Temperature (°C)	FCC PART 15 C 15.247 Occupied Bandwidth & DTS Bandwidth	15 - 35	1
Humidity (%RH)		25 - 75	
Temperature (°C)	FCC PART 15 C 15.247 Power Density	15 - 35	1
Humidity (%RH)		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, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County 31061, Taiwan, R.O.C. 2. No.372-2, 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
Email address	info.tw@dekra.com
Website	http://www.dekra.com.tw

1.8. List of Test Equipment

Conducted Emission / SR2-H

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Artificial Mains Network	R&S	ENV4200	848411/010	2019/01/11	2020/01/10
Test Receiver	R&S	ESCS 30	836858/022	2019/03/12	2020/03/11
LISN	R&S	ENV216	100092	2018/07/23	2019/07/22
LISN	R&S	ENV216	100092	2019/07/09	2020/07/08

Maximum peak conducted output power / SR10-H

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
High Speed Peak Power Meter Dual Input	Anritsu	ML2496A	1602004	2018/12/17	2019/12/16
High Speed Peak Power Meter Dual Input	Anritsu	ML2496A	1602004	2019/12/02	2020/12/01
Pulse Power Sensor	Anritsu	MA2411B	1531043	2018/12/17	2019/12/16
Pulse Power Sensor	Anritsu	MA2411B	1531043	2019/12/02	2020/12/01
Pulse Power Sensor	Anritsu	MA2411B	1531044	2018/12/17	2019/12/16
Pulse Power Sensor	Anritsu	MA2411B	1531044	2019/12/02	2020/12/01
Power Meter	Keysight	8990B	MY51000248	2018/06/07	2019/06/06
Power Meter	Keysight	8990B	MY51000248	2019/05/21	2020/05/20
Power Sensor	Keysight	N1923A	MY57240005	2018/06/07	2019/06/06
Power Sensor	Keysight	N1923A	MY57240005	2019/05/21	2020/05/20

Radiated Emission / CB4-H

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Signal Analyzer	R&S	FSVA40	101455	2018/11/05	2019/11/04
Signal Analyzer	R&S	FSVA40	101455	2019/10/21	2020/10/20
Signal & Spectrum Analyzer	R&S	FSV40	101049	2018/12/21	2019/12/20
Signal & Spectrum Analyzer	R&S	FSV40	101049	2019/09/11	2020/09/10
EXA Signal Analyzer	Keysight	N9010A	MY51440132	2019/03/15	2020/03/14
Bilog Antenna	Teseq	CBL6112D	23191	2018/06/26	2019/06/25
Bilog Antenna	Teseq	CBL6112D	23191	2019/06/17	2020/06/16
Horn Antenna	Schwarzbeck	BBHA 9120D	639	2018/06/01	2019/05/31
Horn Antenna	Schwarzbeck	BBHA 9120D	639	2019/05/28	2020/05/27
Horn Antenna	Schwarzbeck	BBHA 9170	202	2019/01/16	2020/01/15
Horn Antenna	Schwarzbeck	BBHA 9170	202	2019/12/27	2020/12/26
Pre-Amplifier	DEKRA	AP-025C	201801236	2019/02/18	2020/02/17
Pre-Amplifier	DEKRA	AP-025C	12183122	2019/09/24	2020/09/23
Pre-Amplifier	EMCI	EMC11830I	980366	2018/12/21	2019/12/20
Pre-Amplifier	EMCI	EMC11830I	980366	2019/12/03	2020/12/02
Pre-Amplifier	DEKRA	AP-400C	201801231	2018/12/05	2019/12/04
Pre-Amplifier	DEKRA	AP-400C	201801231	2019/12/03	2020/12/02
Horn Antenna	Schwarzbeck	BBHA 9120D	01656	2018/10/17	2019/10/16
Horn Antenna	Schwarzbeck	BBHA 9120D	01656	2019/10/25	2020/10/24
Band Reject Filter	Micro-Tronics	BRM50702	G192	2019/03/27	2020/03/26
Signal Analyzer	R&S	FSV40	101435	2018/07/19	2019/07/18
Signal Analyzer	R&S	FSV40	101435	2019/07/08	2020/07/07
Coaxial Cable(23.5m)	Suhner	SF102_SF104_SF106	CB4_1	2018/08/21	2019/08/20
Coaxial Cable(19m)	Suhner	SF102_SF104_SF106	CB4_2	2019/07/25	2020/07/24
EMI system	DEKRA	Version 1.0	CB4-H	NA	NA

RF antenna conducted test / SR10-H

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Spectrum Analyzer	Keysight	N9030B	MY57140404	2018/06/26	2019/06/25
Spectrum Analyzer	Keysight	N9030B	MY57140404	2019/06/18	2020/06/17
Spectrum Analyzer	Keysight	N9010B	MY57110159	2019/05/03	2020/05/02
Spectrum Analyzer	Agilent	N9010A	US47140172	2018/07/18	2019/07/17
Spectrum Analyzer	Agilent	N9010A	US47140172	2019/06/28	2020/06/27
Signal & Spectrum Analyzer	R&S	FSV40	101049	2018/12/21	2019/12/20
Signal & Spectrum Analyzer	R&S	FSV40	101049	2019/09/11	2020/09/10

Radiated Emission Band Edge / CB4-H

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Signal Analyzer	R&S	FSVA40	101455	2018/11/05	2019/11/04
Signal Analyzer	R&S	FSVA40	101455	2019/10/21	2020/10/20
Signal & Spectrum Analyzer	R&S	FSV40	101049	2018/12/21	2019/12/20
Signal & Spectrum Analyzer	R&S	FSV40	101049	2019/09/11	2020/09/10
EXA Signal Analyzer	Keysight	N9010A	MY51440132	2019/03/15	2020/03/14
Bilog Antenna	Teseq	CBL6112D	23191	2018/06/26	2019/06/25
Bilog Antenna	Teseq	CBL6112D	23191	2019/06/17	2020/06/16
Horn Antenna	Schwarzbeck	BBHA 9120D	639	2018/06/01	2019/05/31
Horn Antenna	Schwarzbeck	BBHA 9120D	639	2019/05/28	2020/05/27
Horn Antenna	Schwarzbeck	BBHA 9170	202	2019/01/16	2020/01/15
Horn Antenna	Schwarzbeck	BBHA 9170	202	2019/12/27	2020/12/26
Pre-Amplifier	DEKRA	AP-025C	201801236	2019/02/18	2020/02/17
Pre-Amplifier	DEKRA	AP-025C	12183122	2019/09/24	2020/09/23
Pre-Amplifier	EMCI	EMC11830I	980366	2018/12/21	2019/12/20
Pre-Amplifier	EMCI	EMC11830I	980366	2019/12/03	2020/12/02
Pre-Amplifier	DEKRA	AP-400C	201801231	2018/12/05	2019/12/04
Pre-Amplifier	DEKRA	AP-400C	201801231	2019/12/03	2020/12/02
Horn Antenna	Schwarzbeck	BBHA 9120D	01656	2018/10/17	2019/10/16
Horn Antenna	Schwarzbeck	BBHA 9120D	01656	2019/10/25	2020/10/24
Band Reject Filter	Micro-Tronics	BRM50702	G192	2019/03/27	2020/03/26
Signal Analyzer	R&S	FSV40	101435	2018/07/19	2019/07/18
Signal Analyzer	R&S	FSV40	101435	2019/07/08	2020/07/07
Coaxial Cable(23.5m)	Suhner	SF102_SF104_SF106	CB4_1	2018/08/21	2019/08/20
Coaxial Cable(19m)	Suhner	SF102_SF104_SF106	CB4_2	2019/07/25	2020/07/24
EMI system	DEKRA	Version 1.0	CB4-H	NA	NA

Occupied Bandwidth / SR10-H

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Spectrum Analyzer	Keysight	N9030B	MY57140404	2018/06/26	2019/06/25
Spectrum Analyzer	Keysight	N9030B	MY57140404	2019/06/18	2020/06/17
Spectrum Analyzer	Keysight	N9010B	MY57110159	2019/05/03	2020/05/02
Spectrum Analyzer	Agilent	N9010A	US47140172	2018/07/18	2019/07/17
Spectrum Analyzer	Agilent	N9010A	US47140172	2019/06/28	2020/06/27
Signal & Spectrum Analyzer	R&S	FSV40	101049	2018/12/21	2019/12/20
Signal & Spectrum Analyzer	R&S	FSV40	101049	2019/09/11	2020/09/10

DTS Bandwidth / SR10-H

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Spectrum Analyzer	Keysight	N9030B	MY57140404	2018/06/26	2019/06/25
Spectrum Analyzer	Keysight	N9030B	MY57140404	2019/06/18	2020/06/17
Spectrum Analyzer	Keysight	N9010B	MY57110159	2019/05/03	2020/05/02
Spectrum Analyzer	Agilent	N9010A	US47140172	2018/07/18	2019/07/17
Spectrum Analyzer	Agilent	N9010A	US47140172	2019/06/28	2020/06/27
Signal & Spectrum Analyzer	R&S	FSV40	101049	2018/12/21	2019/12/20
Signal & Spectrum Analyzer	R&S	FSV40	101049	2019/09/11	2020/09/10

Power Density / SR10-H

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Spectrum Analyzer	Keysight	N9030B	MY57140404	2018/06/26	2019/06/25
Spectrum Analyzer	Keysight	N9030B	MY57140404	2019/06/18	2020/06/17
Spectrum Analyzer	Keysight	N9010B	MY57110159	2019/05/03	2020/05/02
Spectrum Analyzer	Agilent	N9010A	US47140172	2018/07/18	2019/07/17
Spectrum Analyzer	Agilent	N9010A	US47140172	2019/06/28	2020/06/27
Signal & Spectrum Analyzer	R&S	FSV40	101049	2018/12/21	2019/12/20
Signal & Spectrum Analyzer	R&S	FSV40	101049	2019/09/11	2020/09/10

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

1.9. Duty cycle

Mode	On Time (ms)	On+Off Time (ms)	Duty Cycle (%)	Duty Factor (dB)	1/T Minimum VBW (kHz)
11b	8.379	8.412	99.61%	--	--
11g	1.378	1.425	96.70%	0.29	0.7257
HT20	1.286	1.332	96.55%	0.31	0.7776
HT40	0.640	0.683	93.65%	0.57	1.5632

11b



11g11n20

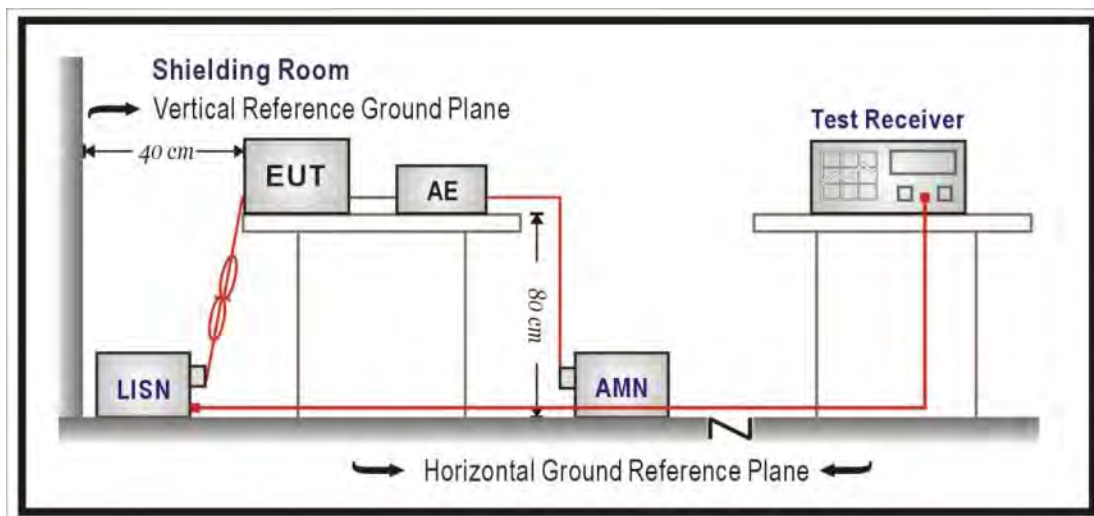
11n40

1.10. Uncertainty

Test item	Uncertainty
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
RF antenna conducted test	± 1.27 dB
Radiated Emission Band Edge	± 3.9 dB
DTS Bandwidth	± 50 Hz
Occupied Bandwidth	± 50 Hz
Power Density	± 1.27 dB

2. Conducted Emission

2.1. Test Setup



2.2. Limits

FCC Part 15 Subpart C Paragraph 15.207 Limits (dBuV)		
Frequency MHz	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 was setup according to ANSI C63.4: 2013 and tested according to DTS test procedure of KDB558074 D01V05r02 for compliance to FCC 47CFR 15.247 requirements. The EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 80 cm above the conducting ground plane. The vertical conducting plane was located 40 cm to the rear of the EUT. All other surfaces of EUT were at least 80 cm from any other grounded conducting surface. The EUT and simulators are connected to the main power through a line impedance stabilization network (LISN). The LISN provides a 50 ohm /50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN. (Please refer to the block diagram of the test setup and photographs.)

Each current-carrying conductor of the EUT power cord, except the ground (safety) conductor, was individually connected through a LISN to the input power source.

The excess length of the power cord between the EUT and the LISN receptacle were folded back and forth at the center of the lead to form a bundle not exceeding 40 cm in length.

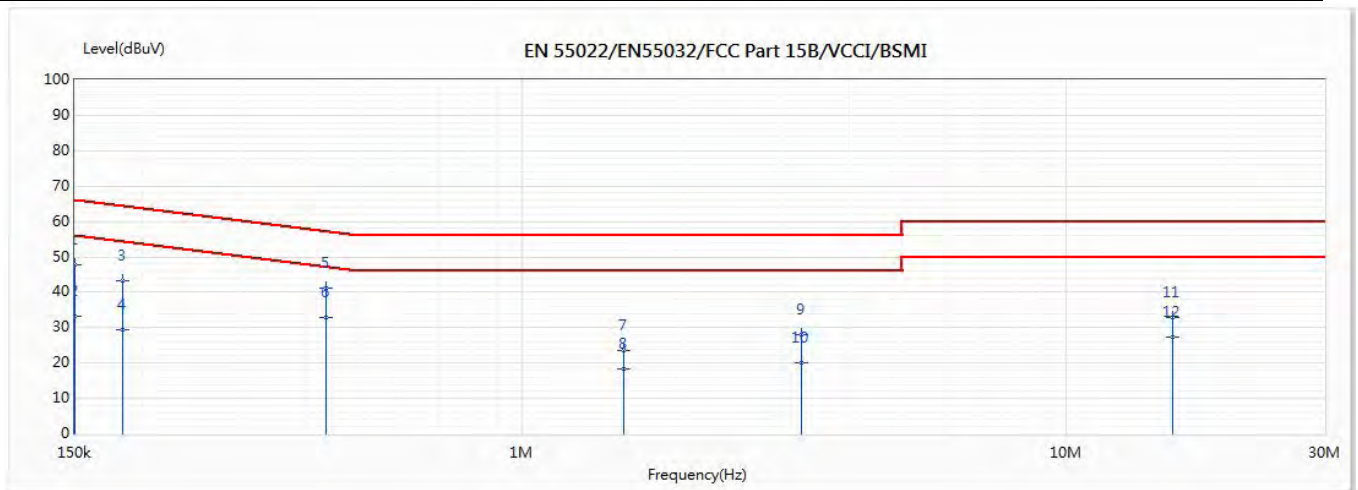
Conducted emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9 kHz.

2.4. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.207: 2019

2.5. Test Result

Site :	SR2-H	Engineer :	Max
Model No :	CP111D	Test Date :	2019/6/27
Test Voltage :	AC 120V/60Hz	Phase :	L1
Test Mode :	Mode 1: Transmit Mode		
Note :	802.11(40M) 2437MHz		
Environmental Condition:	Temperature (°C) : 24.8 ; Relative Humidity (%RH) : 54		

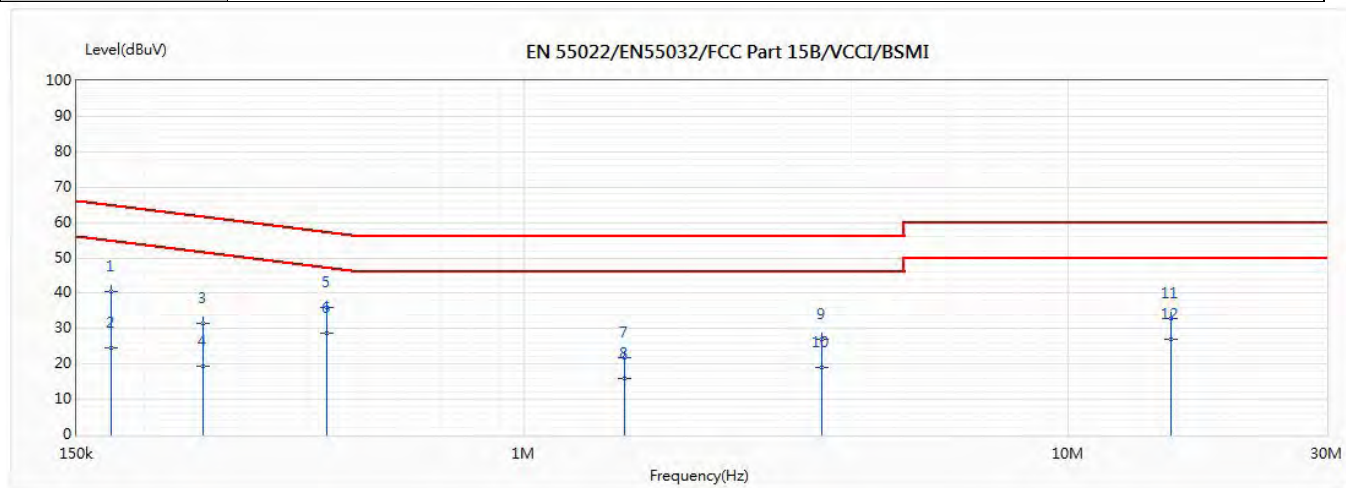


No	Frequency (MHz)	Emission Level (dBuV)	Limit (dBuV)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	0.15	47.79	65.99	-18.20	38.02	9.77	QP
2	0.15	33.05	55.99	-22.94	23.28	9.77	AV
3	0.183	43.10	65.05	-21.95	33.33	9.77	QP
4	0.183	29.42	55.05	-25.63	19.65	9.77	AV
5	0.436	41.01	57.84	-16.83	31.24	9.77	QP
*6	0.436	32.97	47.84	-14.86	23.20	9.77	AV
7	1.54	23.57	56.00	-32.43	13.78	9.79	QP
8	1.54	18.29	46.00	-27.71	8.50	9.79	AV
9	3.26	27.91	56.00	-28.09	18.06	9.84	QP
10	3.26	20.19	46.00	-25.81	10.35	9.84	AV
11	15.724	32.93	60.00	-27.07	22.61	10.32	QP
12	15.724	27.33	50.00	-22.67	17.02	10.32	AV

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site :	SR2-H	Engineer :	Max
Model No :	CP111D	Test Date :	2019/6/27
Test Voltage :	AC 120V/60Hz	Phase :	L2
Test Mode :	Mode 1: Transmit Mode		
Note :	802.11(40M) 2437MHz		
Environmental Condition:	Temperature (°C) : 24.8 ; Relative Humidity (%RH) : 54		



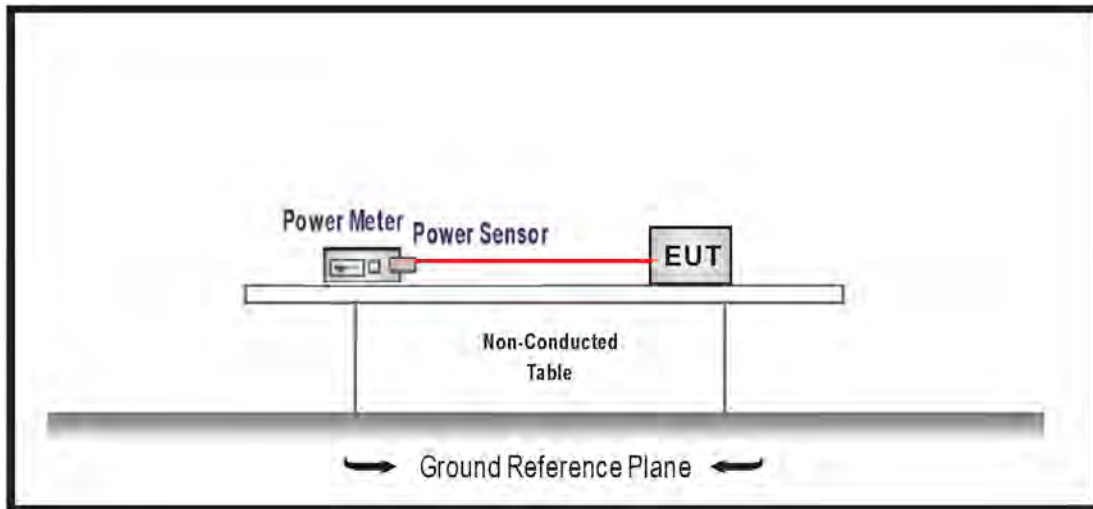
No	Frequency (MHz)	Emission Level (dBuV)	Limit (dBuV)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	0.174	40.47	65.33	-24.86	30.70	9.77	QP
2	0.174	24.40	55.33	-30.93	14.63	9.77	AV
3	0.256	31.52	62.97	-31.44	21.75	9.77	QP
4	0.256	19.45	52.97	-33.51	9.68	9.77	AV
5	0.432	36.12	57.95	-21.83	26.35	9.77	QP
*6	0.432	28.72	47.95	-19.23	18.95	9.77	AV
7	1.53	21.90	56.00	-34.10	12.11	9.79	QP
8	1.53	15.97	46.00	-30.03	6.18	9.79	AV
9	3.533	27.03	56.00	-28.97	17.18	9.86	QP
10	3.533	19.13	46.00	-26.87	9.27	9.86	AV
11	15.525	32.85	60.00	-27.15	22.54	10.31	QP
12	15.525	26.98	50.00	-23.02	16.67	10.31	AV

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

3. Maximum peak conducted output power

3.1. Test Setup



3.2. Test procedures

The EUT was tested according to DTS test procedure section 9.1.2 of KDB558074 D01V05r02, Measurement to FCC 47CFR 15.247 requirements.

3.3. Limits

The maximum peak power shall be less 1 Watt.

3.4. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2019

3.5. Test Result

Product	LATTE ART PRINTER		
Test Item	Maximum peak conducted output power		
Test Mode	Mode 1: Transmit Mode		
Date of Test	2019/05/20	Test Site	SR10-H
Test Temperature	24.0°C	Test Humidity	59.0%

IEEE 802.11b (ANT 0)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	13.30	≤ 30
6	2437	13.40	≤ 30
11	2462	13.50	≤ 30

IEEE 802.11g (ANT 0)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	15.00	≤ 30
6	2437	15.30	≤ 30
11	2462	15.40	≤ 30

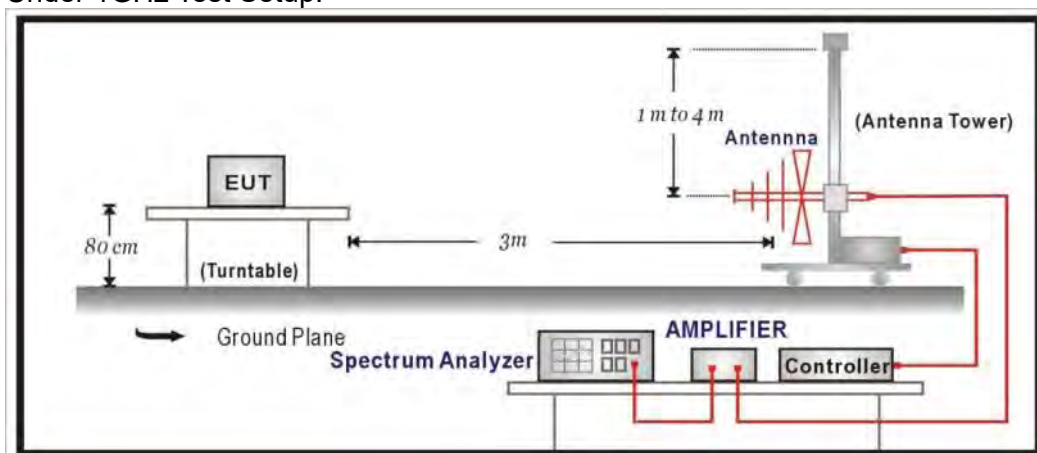
IEEE 802.11n 20M (ANT 0)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	14.60	≤ 30
6	2437	14.90	≤ 30
11	2462	15.10	≤ 30

IEEE 802.11n 40M (ANT 0)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
3	2422	13.90	≤ 30
6	2437	14.50	≤ 30
9	2452	14.60	≤ 30

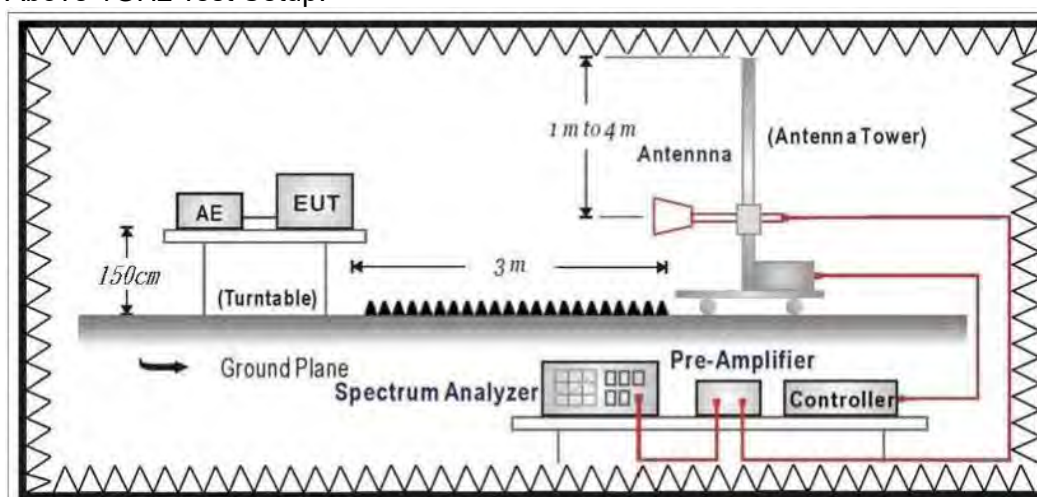
4. Radiated Emission

4.1. 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: E field strength (dBuV/m) = 20 log E field strength (uV/m)

4.3. Test Procedure

The EUT was setup according to ANSI C63.10:2013 and tested according to DTS test procedure of KDB558074 D01V05r02 for compliance to FCC 47CFR 15.247 requirements. The EUT and its simulators are placed on a turn table which is 0.8 meter above ground (under 1GHz) or 1.5 meter above ground (above 1GHz). 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 from 9kHz (include 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.

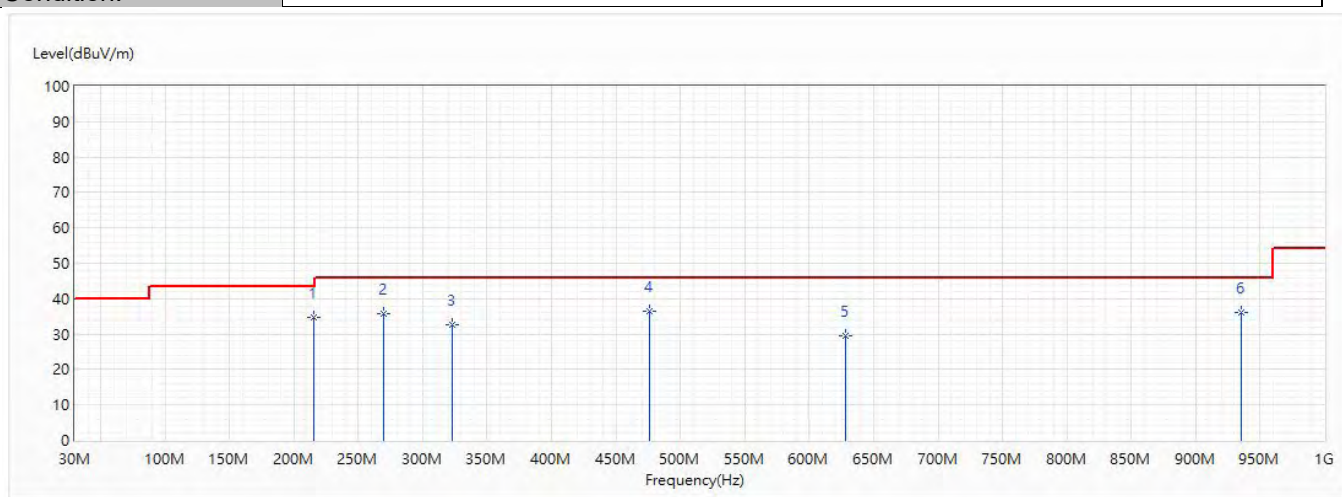
4.4. Test Specification

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

4.5. Test Result

30MHz-1GHz Spurious

Site :	CB4-H	Engineer :	Elwin
Model No :	CP111D	Test Date :	2019/6/26
Test Voltage :	AC 120V/60Hz	Polarity :	Horizontal
Test Mode :	Mode 1: Transmit Mode		
Note :	802.11b_2437MHz		
Environmental Condition:	Temperature (°C) : 23.8 ; Relative Humidity (%RH) : 50		

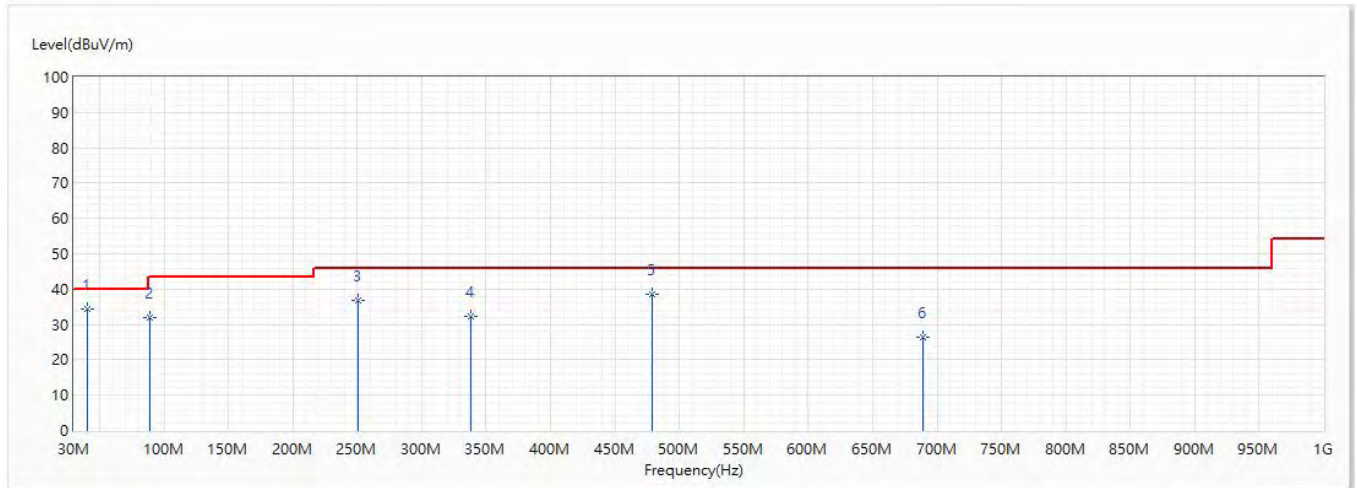


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	215.755	34.81	43.50	-8.69	57.71	-22.90	QP
2	269.711	35.80	46.00	-10.20	56.49	-20.69	QP
3	323.061	32.74	46.00	-13.26	52.16	-19.42	QP
4	475.715	36.31	46.00	-9.69	52.07	-15.76	QP
5	627.763	29.63	46.00	-16.37	43.95	-14.32	QP
6	935.131	36.23	46.00	-9.77	47.55	-11.32	QP

Note:

1. All Reading Levels is Quasi-Peak value.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor
4. The Emission under 30MHz were not included is because their levels are too low.

Site :	CB4-H	Engineer :	Elwin
Model No :	CP111D	Test Date :	2019/6/26
Test Voltage :	AC 120V/60Hz	Polarity :	Vertical
Test Mode :	Mode 1: Transmit Mode		
Note :	802.11b_2437MHz		
Environmental Condition:	Temperature (°C) : 23.8 ; Relative Humidity (%RH) : 50		

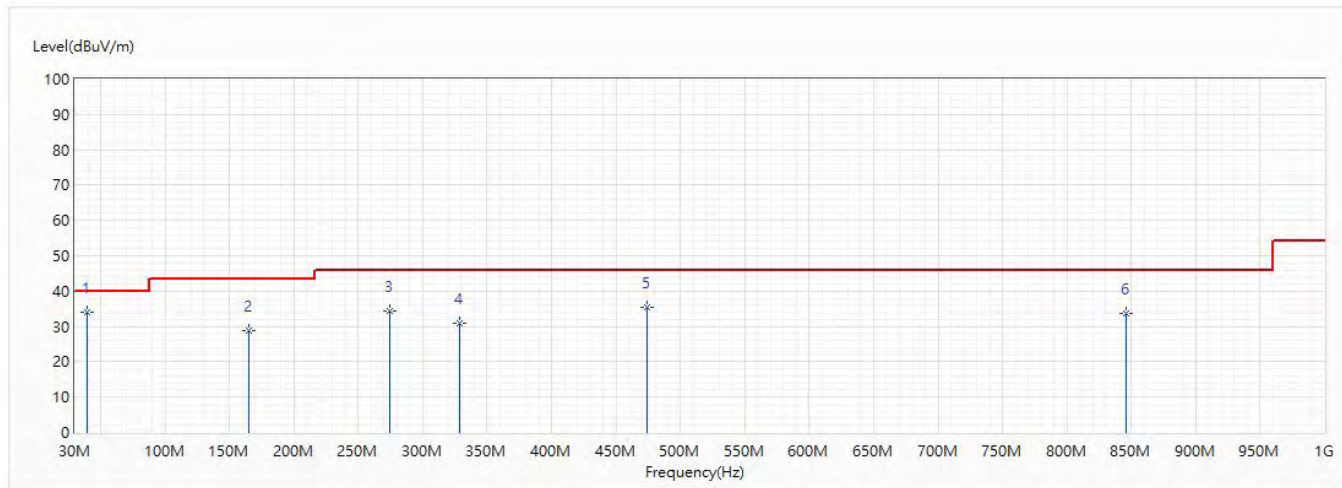


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	40.064	34.35	40.00	-5.65	50.95	-16.60	QP
2	89.049	32.07	43.50	-11.43	57.60	-25.53	QP
3	250.554	36.67	46.00	-9.33	57.70	-21.03	QP
4	337.733	32.31	46.00	-13.69	51.25	-18.94	QP
5	479.11	38.44	46.00	-7.56	54.14	-15.70	QP
6	688.63	26.54	46.00	-19.46	40.51	-13.97	QP

Note:

1. All Reading Levels is Quasi-Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor
4. The Emission under 30MHz were not included is because their levels are too low.

Site :	CB4-H	Engineer :	Elwin
Model No :	CP111D	Test Date :	2019/6/26
Test Voltage :	AC 120V/60Hz	Polarity :	Horizontal
Test Mode :	Mode 1: Transmit Mode		
Note :	802.11g_2437MHz		
Environmental Condition:	Temperature (°C) : 23.8 ; Relative Humidity (%RH) : 50		

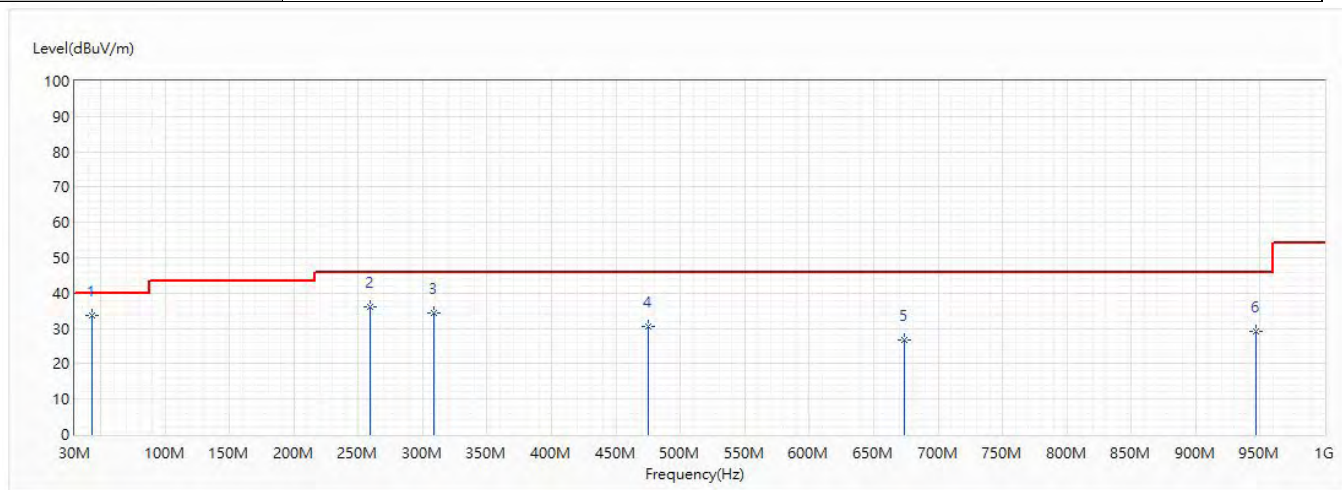


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	39.943	34.14	40.00	-5.86	50.74	-16.60	QP
2	164.588	28.86	43.50	-14.64	51.71	-22.85	QP
3	274.683	34.47	46.00	-11.53	55.08	-20.61	QP
4	328.154	30.76	46.00	-15.24	50.01	-19.25	QP
5	473.896	35.30	46.00	-10.70	51.10	-15.80	QP
6	845.891	33.58	46.00	-12.42	45.95	-12.37	QP

Note:

1. All Reading Levels is Quasi-Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor
4. The Emission under 30MHz were not included is because their levels are too low.

Site :	CB4-H	Engineer :	Elwin
Model No :	CP111D	Test Date :	2019/6/26
Test Voltage :	AC 120V/60Hz	Polarity :	Vertical
Test Mode :	Mode 1: Transmit Mode		
Note :	802.11g_2437MHz		
Environmental Condition:	Temperature (°C) : 23.8 ; Relative Humidity (%RH) : 50		

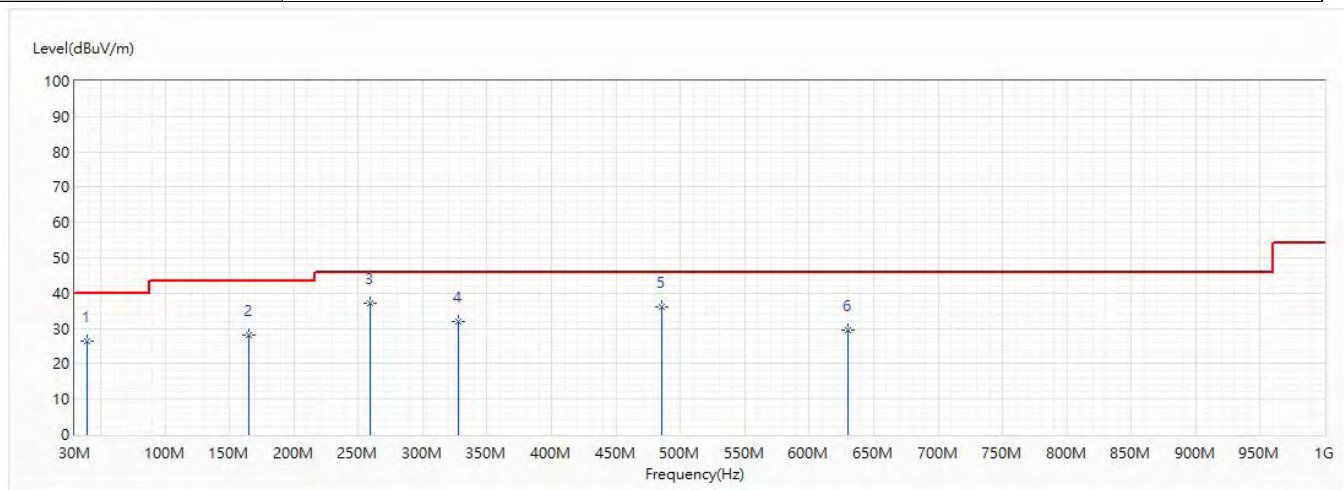


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	43.095	33.69	40.00	-6.31	52.46	-18.77	QP
2	258.92	36.11	46.00	-9.89	56.99	-20.88	QP
3	308.996	34.26	46.00	-11.74	54.14	-19.88	QP
4	475.473	30.42	46.00	-15.58	46.18	-15.76	QP
5	673.838	26.76	46.00	-19.24	40.80	-14.04	QP
6	947.014	29.18	46.00	-16.82	40.35	-11.17	QP

Note:

1. All Reading Levels is Quasi-Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor
4. The Emission under 30MHz were not included is because their levels are too low.

Site :	CB4-H	Engineer :	Elwin
Model No :	CP111D	Test Date :	2019/6/26
Test Voltage :	AC 120V/60Hz	Polarity :	Horizontal
Test Mode :	Mode 1: Transmit Mode		
Note :	802.11n(20M)_2437MHz		
Environmental Condition:	Temperature (°C) : 23.8 ; Relative Humidity (%RH) : 50		

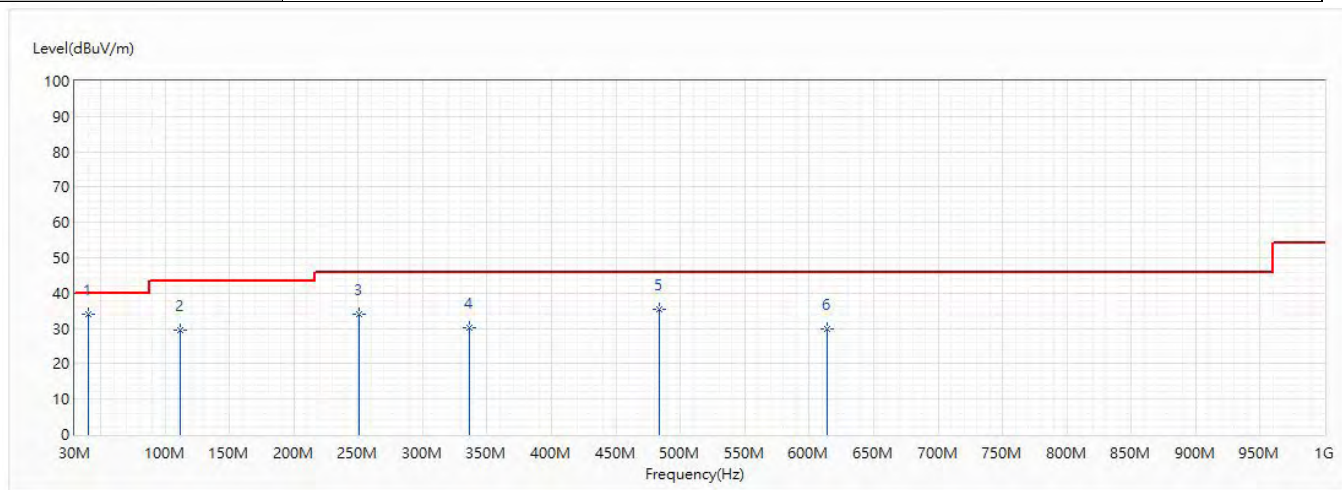


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	39.821	26.22	40.00	-13.78	42.82	-16.60	QP
2	164.951	28.26	43.50	-15.24	51.12	-22.86	QP
* 3	259.648	37.28	46.00	-8.72	58.14	-20.86	QP
4	327.184	31.99	46.00	-14.01	51.28	-19.29	QP
5	485.536	36.16	46.00	-9.84	51.75	-15.59	QP
6	629.703	29.67	46.00	-16.33	43.98	-14.31	QP

Note:

1. All Reading Levels is Quasi-Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor
4. The Emission under 30MHz were not included is because their levels are too low.

Site :	CB4-H	Engineer :	Elwin
Model No :	CP111D	Test Date :	2019/6/26
Test Voltage :	AC 120V/60Hz	Polarity :	Vertical
Test Mode :	Mode 1: Transmit Mode		
Note :	802.11n(20M)_2437MHz		
Environmental Condition:	Temperature (°C) : 23.8 ; Relative Humidity (%RH) : 50		

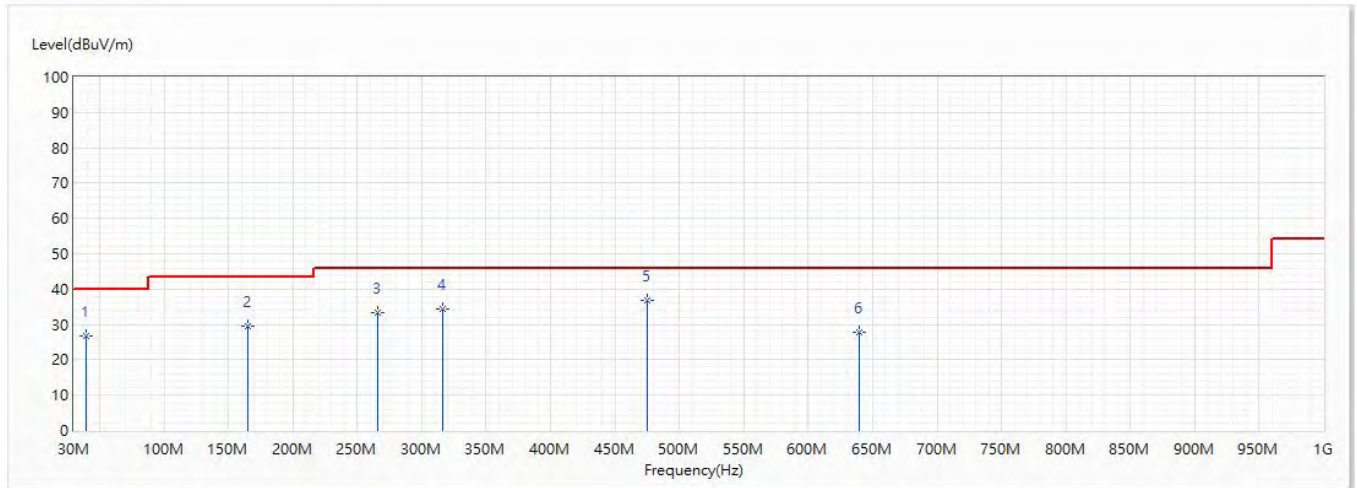


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	40.428	34.13	40.00	-5.87	50.76	-16.63	QP
2	111.965	29.35	43.50	-14.15	52.38	-23.03	QP
3	250.433	33.92	46.00	-12.08	54.95	-21.03	QP
4	336.52	30.26	46.00	-15.74	49.25	-18.99	QP
5	483.233	35.31	46.00	-10.69	50.96	-15.65	QP
6	614.061	29.91	46.00	-16.09	44.33	-14.42	QP

Note:

1. All Reading Levels is Quasi-Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor
4. The Emission under 30MHz were not included is because their levels are too low.

Site :	CB4-H	Engineer :	Elwin
Model No :	CP111D	Test Date :	2019/6/26
Test Voltage :	AC 120V/60Hz	Polarity :	Horizontal
Test Mode :	Mode 1: Transmit Mode		
Note :	802.11n(40M)_2437MHz		
Environmental Condition:	Temperature (°C) : 23.8 ; Relative Humidity (%RH) : 50		

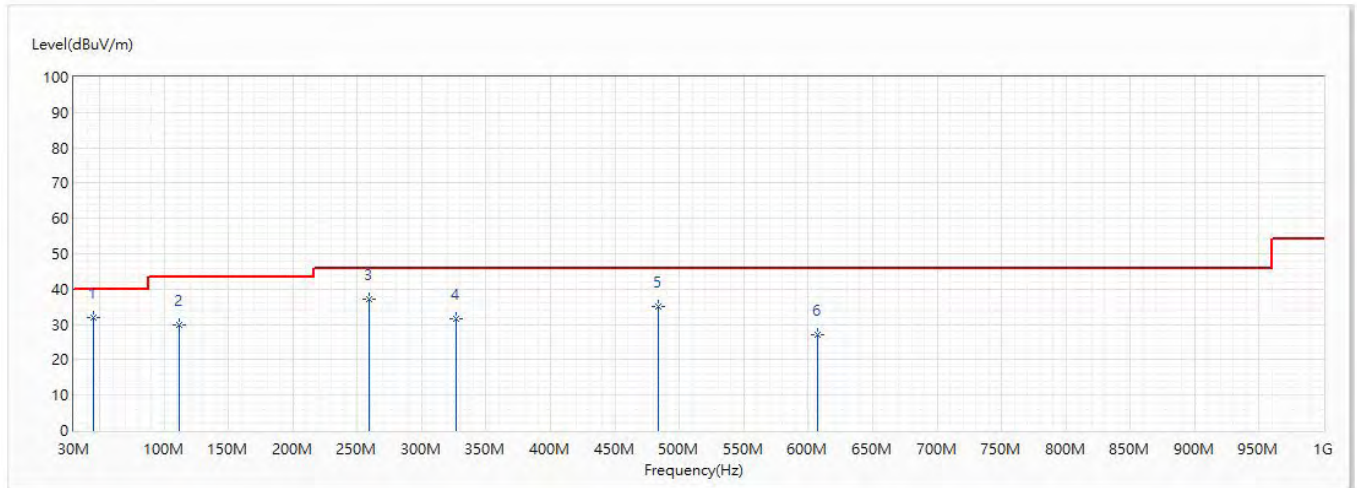


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	39.821	26.65	40.00	-13.35	43.25	-16.60	QP
2	164.951	29.68	43.50	-13.82	52.54	-22.86	QP
3	265.831	33.46	46.00	-12.54	54.22	-20.76	QP
4	315.786	34.37	46.00	-11.63	54.02	-19.65	QP
* 5	475.23	36.90	46.00	-9.10	52.67	-15.77	QP
6	639.16	27.68	46.00	-18.32	41.93	-14.25	QP

Note:

1. All Reading Levels is Quasi-Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor
4. The Emission under 30MHz were not included is because their levels are too low.

Site :	CB4-H	Engineer :	Elwin
Model No :	CP111D	Test Date :	2019/6/26
Test Voltage :	AC 120V/60Hz	Polarity :	Vertical
Test Mode :	Mode 1: Transmit Mode		
Note :	802.11n(40M)_2437MHz		
Environmental Condition:	Temperature (°C) : 23.8 ; Relative Humidity (%RH) : 50		



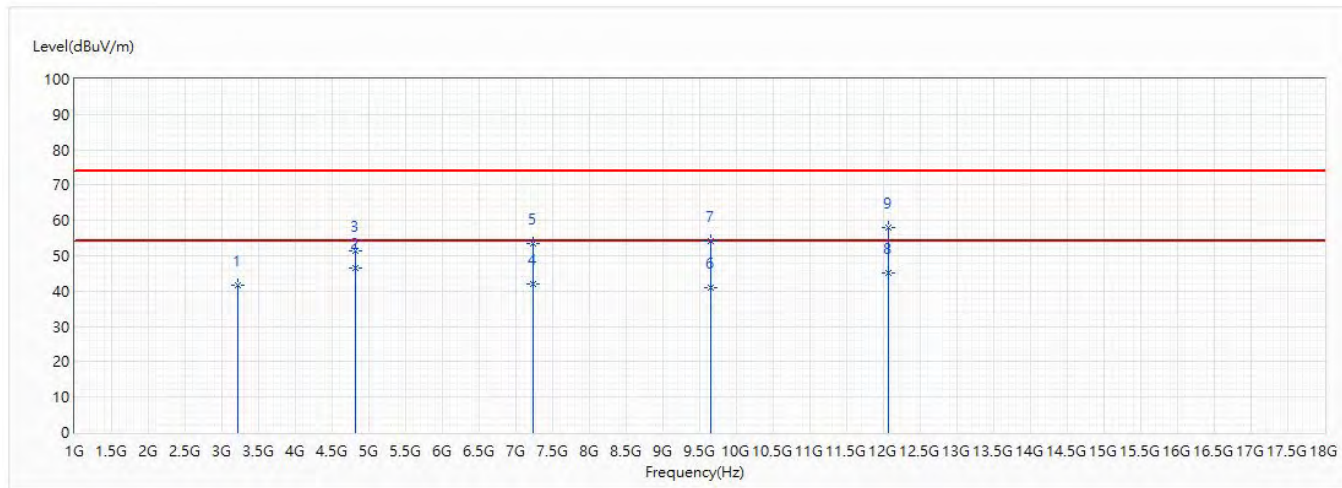
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	45.641	32.01	40.00	-7.99	53.02	-21.01	QP
2	111.965	29.98	43.50	-13.52	53.01	-23.03	QP
3	258.799	37.29	46.00	-8.71	58.18	-20.89	QP
4	326.941	31.56	46.00	-14.44	50.86	-19.30	QP
5	483.596	35.22	46.00	-10.78	50.86	-15.64	QP
6	607.393	27.24	46.00	-18.76	41.71	-14.47	QP

Note:

1. All Reading Levels is Quasi-Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor
4. The Emission under 30MHz were not included is because their levels are too low.

Above 1GHz Spurious

Site :	CB4-H	Engineer :	Lion
Model No :	CP111D	Test Date :	2019/5/1
Test Voltage :	AC 120V/60Hz	Polarity :	Horizontal
Test Mode :	Mode 1: Transmit Mode		
Note :	802.11b_2412MHz		
Environmental Condition:	Temperature (°C) : 23.5 ; Relative Humidity (%RH) : 62		

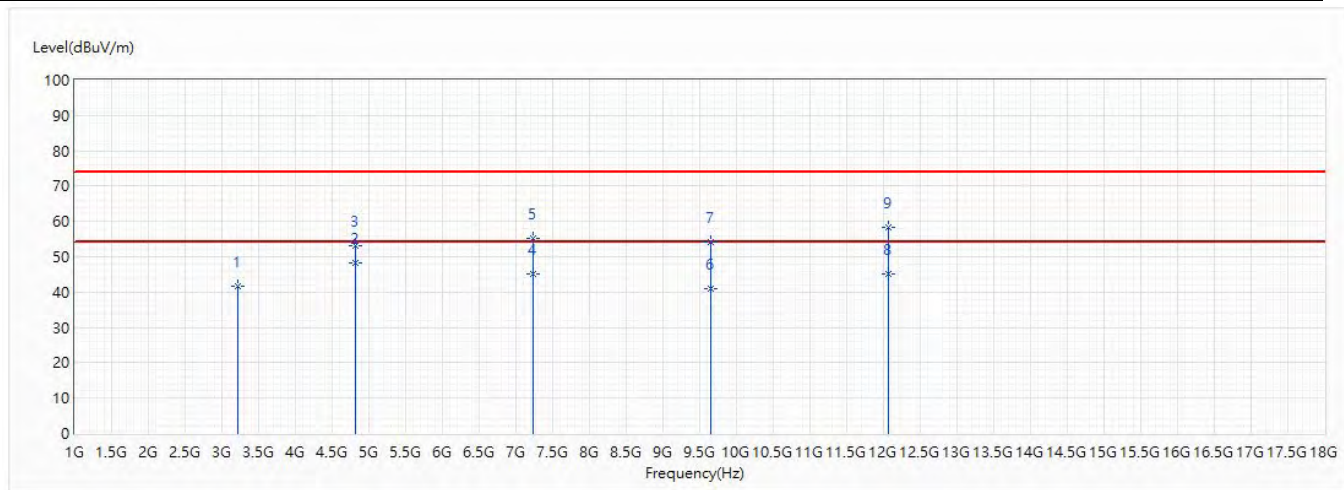


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3216	41.59	74.00	-32.41	37.51	4.08	PK
* 2	4824	46.45	54.00	-7.55	36.53	9.92	AV
3	4824	51.32	74.00	-22.68	41.40	9.92	PK
4	7236	41.93	54.00	-12.07	25.39	16.54	AV
5	7236	53.34	74.00	-20.66	36.80	16.54	PK
6	9648	40.81	54.00	-13.19	20.08	20.73	AV
7	9648	54.08	74.00	-19.92	33.35	20.73	PK
8	12060	45.09	54.00	-8.91	21.24	23.85	AV
9	12060	58.07	74.00	-15.93	34.22	23.85	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 13GHz were not included is because their levels are lower than 20dB form limit.

Site :	CB4-H	Engineer :	Lion
Model No :	CP111D	Test Date :	2019/5/1
Test Voltage :	AC 120V/60Hz	Polarity :	Vertical
Test Mode :	Mode 1: Transmit Mode		
Note :	802.11b_2412MHz		
Environmental Condition:	Temperature (°C) : 23.5 ; Relative Humidity (%RH) : 62		

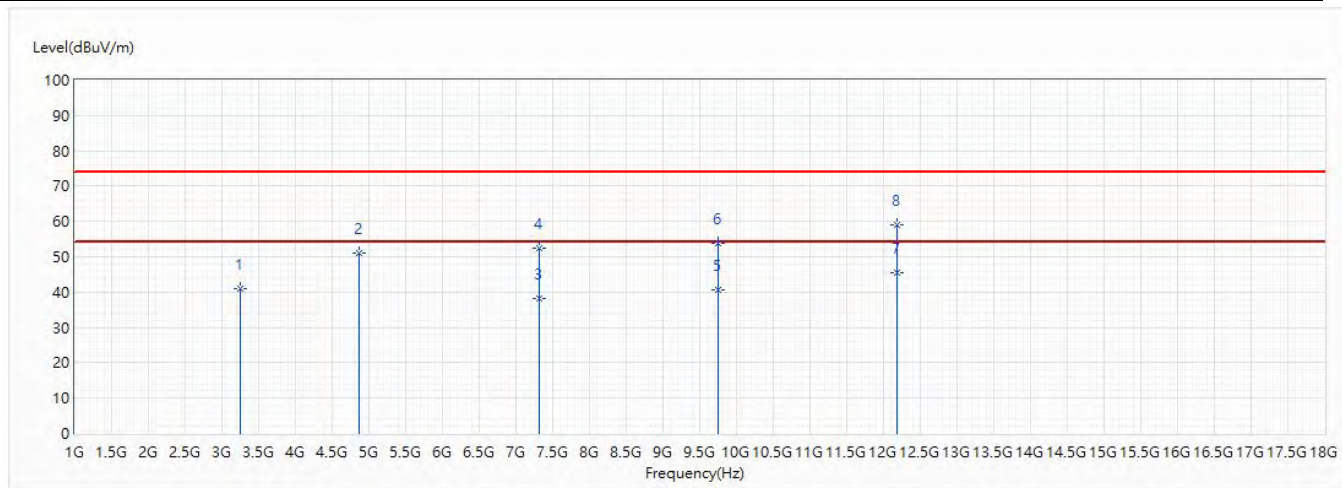


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3216	41.55	74.00	-32.45	37.47	4.08	PK
* 2	4824	48.36	54.00	-5.64	38.44	9.92	AV
3	4824	53.10	74.00	-20.90	43.18	9.92	PK
4	7236	45.09	54.00	-8.91	28.55	16.54	AV
5	7236	55.16	74.00	-18.84	38.62	16.54	PK
6	9648	41.04	54.00	-12.96	20.31	20.73	AV
7	9648	54.31	74.00	-19.69	33.58	20.73	PK
8	12060	45.16	54.00	-8.84	21.31	23.85	AV
9	12060	58.21	74.00	-15.79	34.36	23.85	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 13GHz were not included is because their levels are lower than 20dB form limt.

Site :	CB4-H	Engineer :	Lion
Model No :	CP111D	Test Date :	2019/5/1
Test Voltage :	AC 120V/60Hz	Polarity :	Horizontal
Test Mode :	Mode 1: Transmit Mode		
Note :	802.11b_2437MHz		
Environmental Condition:	Temperature (°C) : 23.5 ; Relative Humidity (%RH) : 62		

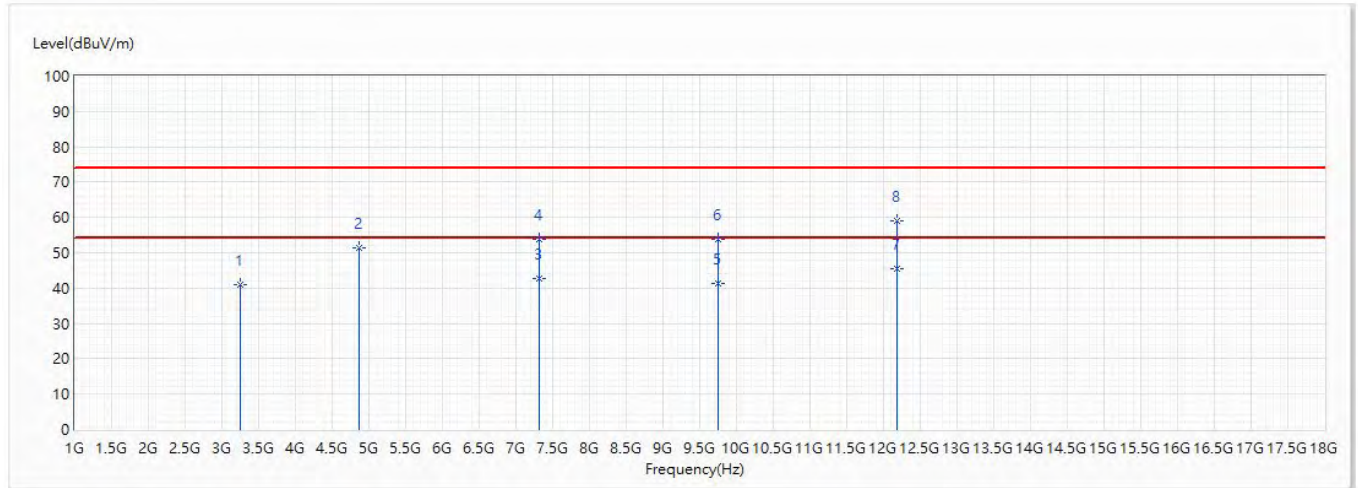


No	Frequency (MHz)	Emission Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Reading Level (dBUV)	Correct Factor (dB)	Detector Type
1	3249	40.95	74.00	-33.05	36.70	4.25	PK
2	4874	51.20	74.00	-22.80	40.93	10.27	PK
3	7311	38.22	54.00	-15.78	21.64	16.58	PK
4	7311	52.34	74.00	-21.66	35.76	16.58	PK
5	9748	40.63	54.00	-13.37	20.12	20.51	AV
6	9748	53.82	74.00	-20.18	33.31	20.51	PK
* 7	12185	45.35	54.00	-8.65	20.79	24.56	AV
8	12185	58.89	74.00	-15.11	34.33	24.56	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 limt.

Site :	CB4-H	Engineer :	Lion
Model No :	CP111D	Test Date :	2019/5/1
Test Voltage :	AC 120V/60Hz	Polarity :	Vertical
Test Mode :	Mode 1: Transmit Mode		
Note :	802.11b_2437MHz		
Environmental Condition:	Temperature (°C) : 23.5 ; Relative Humidity (%RH) : 62		

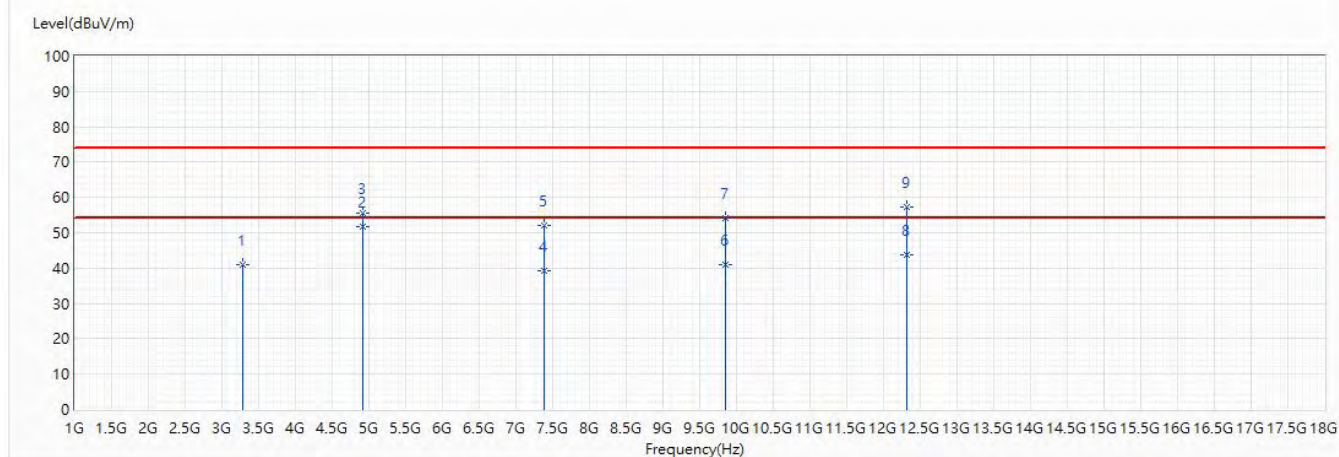


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3249	40.99	74.00	-33.01	36.74	4.25	PK
2	4874	51.43	74.00	-22.57	41.16	10.27	PK
3	7311	42.79	54.00	-11.21	26.21	16.58	AV
4	7311	53.91	74.00	-20.09	37.33	16.58	PK
5	9748	41.36	54.00	-12.64	20.85	20.51	AV
6	9748	53.89	74.00	-20.11	33.38	20.51	PK
* 7	12185	45.43	54.00	-8.57	20.87	24.56	AV
8	12185	58.97	74.00	-15.03	34.41	24.56	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.

Site :	CB4-H	Engineer :	Lion
Model No :	CP111D	Test Date :	2019/5/1
Test Voltage :	AC 120V/60Hz	Polarity :	Horizontal
Test Mode :	Mode 1: Transmit Mode		
Note :	802.11b_2462MHz		
Environmental Condition:	Temperature (°C) : 23.5 ; Relative Humidity (%RH) : 62		

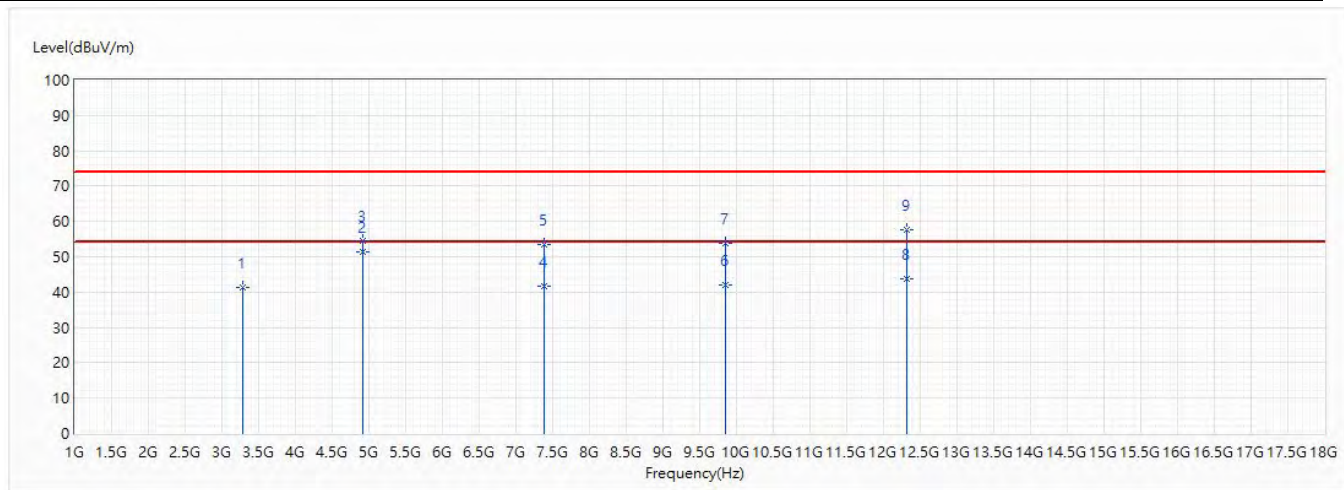


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3282	41.09	74.00	-32.91	36.69	4.40	PK
* 2	4924	51.85	54.00	-2.15	41.32	10.53	AV
3	4924	55.40	74.00	-18.60	44.87	10.53	PK
4	7386	39.14	54.00	-14.86	22.47	16.67	AV
5	7386	52.01	74.00	-21.99	35.34	16.67	PK
6	9848	41.07	54.00	-12.93	20.37	20.70	AV
7	9848	54.07	74.00	-19.93	33.37	20.70	PK
8	12310	43.86	54.00	-10.14	19.35	24.51	AV
9	12310	57.23	74.00	-16.77	32.72	24.51	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 limt.

Site :	CB4-H	Engineer :	Lion
Model No :	CP111D	Test Date :	2019/5/1
Test Voltage :	AC 120V/60Hz	Polarity :	Vertical
Test Mode :	Mode 1: Transmit Mode		
Note :	802.11b_2462MHz		
Environmental Condition:	Temperature (°C) : 23.5 ; Relative Humidity (%RH) : 62		

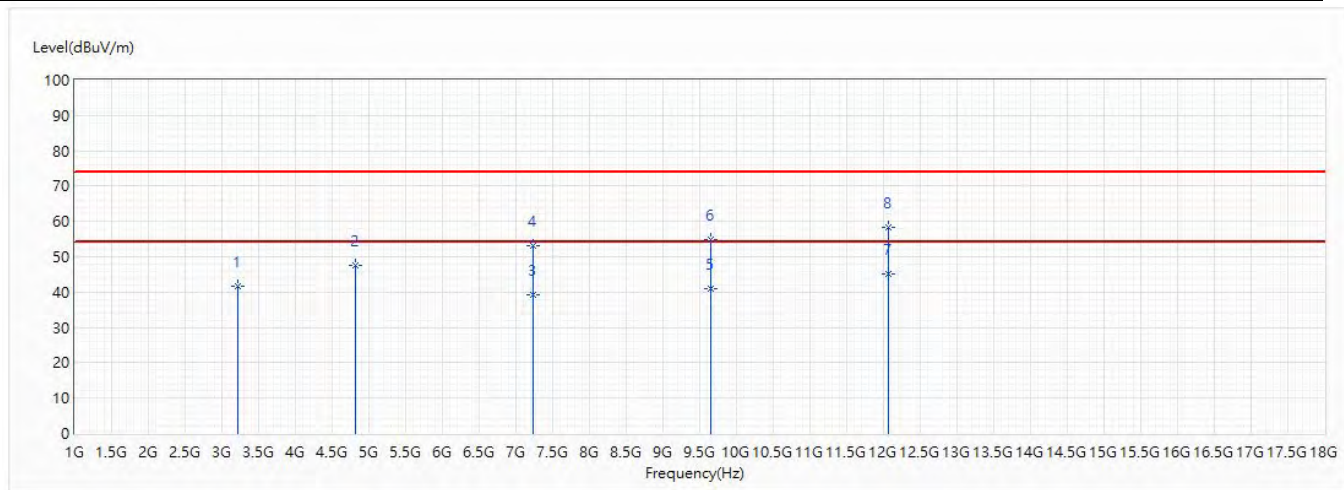


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3282	41.17	74.00	-32.83	36.77	4.40	PK
* 2	4924	51.23	54.00	-2.77	40.70	10.53	AV
3	4924	54.38	74.00	-19.62	43.85	10.53	PK
4	7386	41.57	54.00	-12.43	24.90	16.67	AV
5	7386	53.30	74.00	-20.70	36.63	16.67	PK
6	9848	41.86	54.00	-12.14	21.16	20.70	AV
7	9848	53.78	74.00	-20.22	33.08	20.70	PK
8	12310	43.90	54.00	-10.10	19.39	24.51	AV
9	12310	57.59	74.00	-16.41	33.08	24.51	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 limt.

Site :	CB4-H	Engineer :	Lion
Model No :	CP111D	Test Date :	2019/5/1
Test Voltage :	AC 120V/60Hz	Polarity :	Horizontal
Test Mode :	Mode 1: Transmit Mode		
Note :	802.11g_2412MHz		
Environmental Condition:	Temperature (°C) : 23.5 ; Relative Humidity (%RH) : 62		

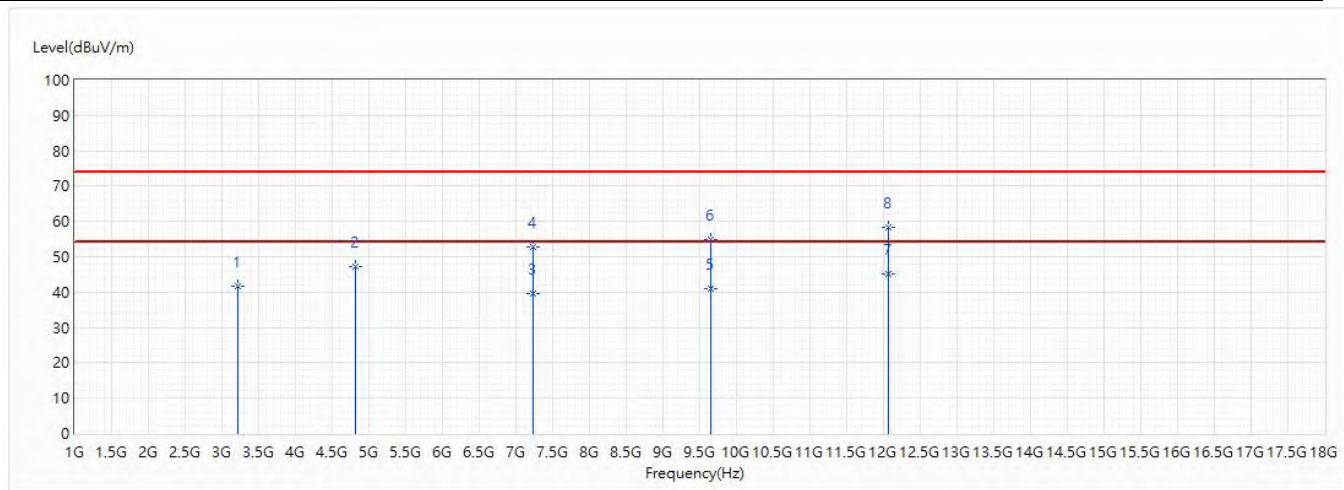


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3216	41.65	74.00	-32.35	37.57	4.08	PK
2	4824	47.53	74.00	-26.47	37.61	9.92	PK
3	7236	39.17	54.00	-14.83	22.63	16.54	AV
4	7236	52.99	74.00	-21.01	36.45	16.54	PK
5	9648	40.84	54.00	-13.16	20.11	20.73	AV
6	9648	54.69	74.00	-19.31	33.96	20.73	PK
* 7	12060	45.01	54.00	-8.99	21.16	23.85	AV
8	12060	58.31	74.00	-15.69	34.46	23.85	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 13GHz were not included is because their levels are lower than 20dB form limit.

Site :	CB4-H	Engineer :	Lion
Model No :	CP111D	Test Date :	2019/5/1
Test Voltage :	AC 120V/60Hz	Polarity :	Vertical
Test Mode :	Mode 1: Transmit Mode		
Note :	802.11g_2412MHz		
Environmental Condition:	Temperature (°C) : 23.5 ; Relative Humidity (%RH) : 62		

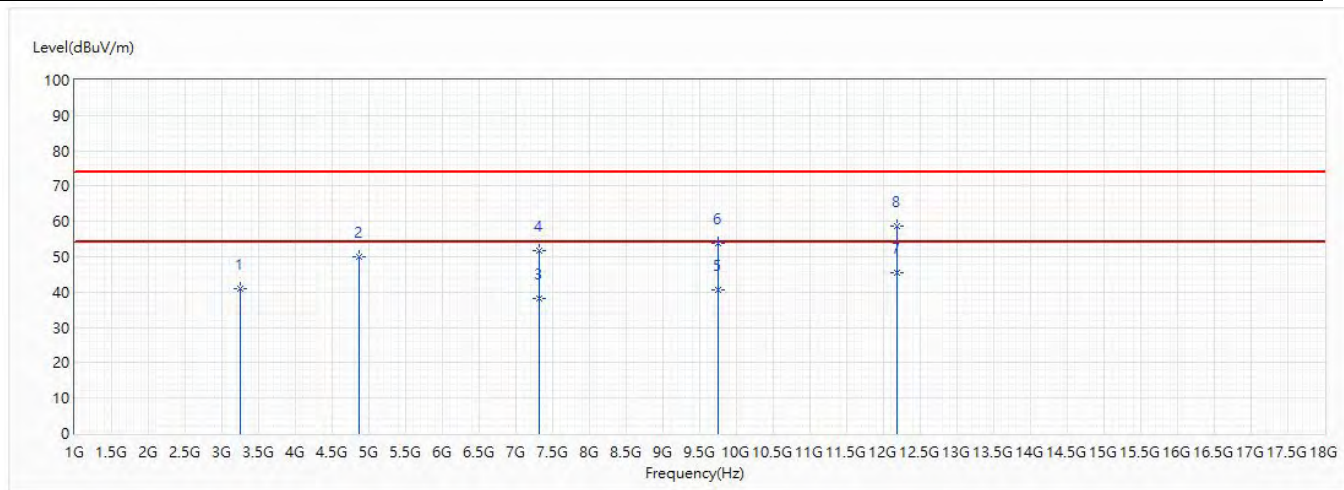


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3216	41.75	74.00	-32.25	37.67	4.08	PK
2	4824	47.12	74.00	-26.88	37.20	9.92	PK
3	7236	39.55	54.00	-14.45	23.01	16.54	AV
4	7236	52.72	74.00	-21.28	36.18	16.54	PK
5	9648	40.81	54.00	-13.19	20.08	20.73	AV
6	9648	54.98	74.00	-19.02	34.25	20.73	PK
* 7	12060	45.00	54.00	-9.00	21.15	23.85	AV
8	12060	58.30	74.00	-15.70	34.45	23.85	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 13GHz were not included is because their levels are lower than 20dB form limit.

Site :	CB4-H	Engineer :	Lion
Model No :	CP111D	Test Date :	2019/5/1
Test Voltage :	AC 120V/60Hz	Polarity :	Horizontal
Test Mode :	Mode 1: Transmit Mode		
Note :	802.11g_2437MHz		
Environmental Condition:	Temperature (°C) : 23.5 ; Relative Humidity (%RH) : 62		

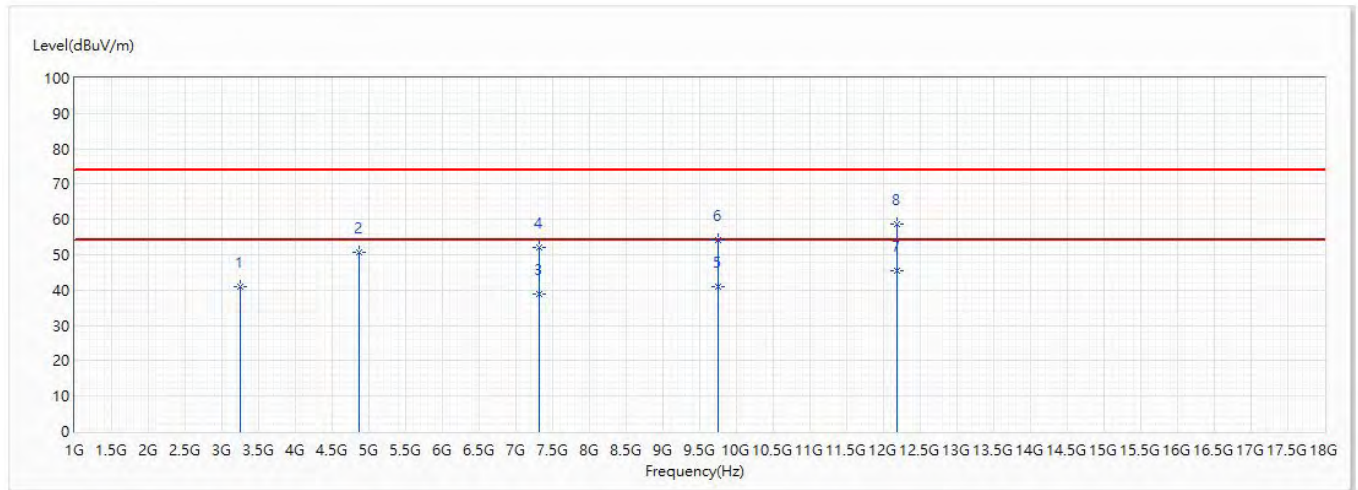


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3249	41.09	74.00	-32.91	36.84	4.25	PK
2	4874	50.01	74.00	-23.99	39.74	10.27	PK
3	7311	38.26	54.00	-15.74	21.68	16.58	AV
4	7311	51.59	74.00	-22.41	35.01	16.58	PK
5	9748	40.66	54.00	-13.34	20.15	20.51	AV
6	9748	53.87	74.00	-20.13	33.36	20.51	PK
* 7	12185	45.36	54.00	-8.64	20.80	24.56	AV
8	12185	58.72	74.00	-15.28	34.16	24.56	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.

Site :	CB4-H	Engineer :	Lion
Model No :	CP111D	Test Date :	2019/5/1
Test Voltage :	AC 120V/60Hz	Polarity :	Vertical
Test Mode :	Mode 1: Transmit Mode		
Note :	802.11g_2437MHz		
Environmental Condition:	Temperature (°C) : 23.5 ; Relative Humidity (%RH) : 62		

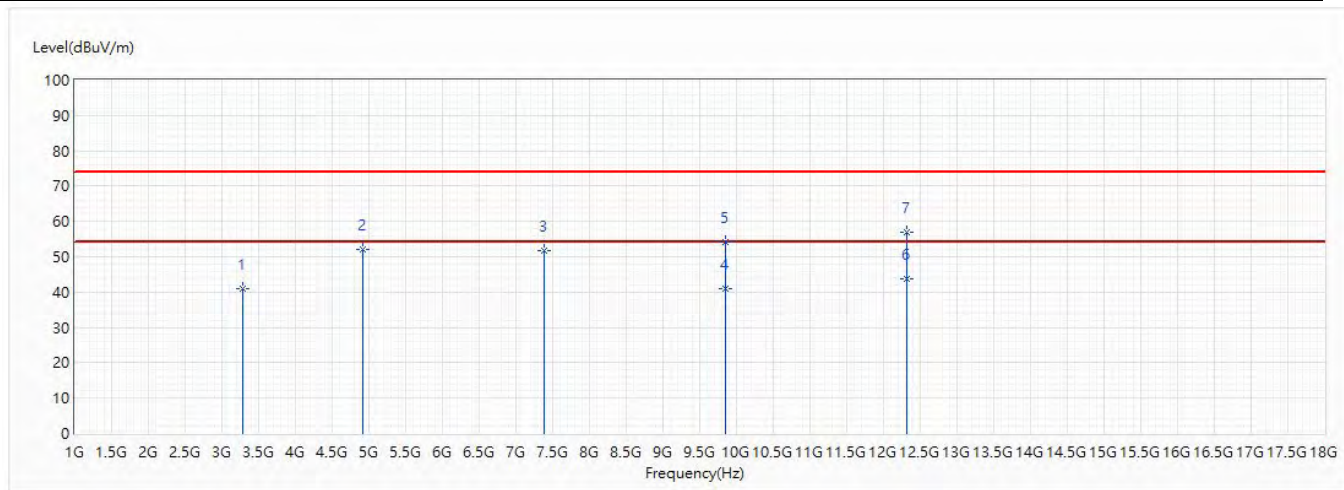


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3249	41.11	74.00	-32.89	36.86	4.25	PK
2	4874	50.80	74.00	-23.20	40.53	10.27	PK
3	7311	39.02	54.00	-14.98	22.44	16.58	AV
4	7311	52.03	74.00	-21.97	35.45	16.58	PK
5	9748	40.85	54.00	-13.15	20.34	20.51	AV
6	9748	54.10	74.00	-19.90	33.59	20.51	PK
* 7	12185	45.36	54.00	-8.64	20.80	24.56	AV
8	12185	58.62	74.00	-15.38	34.06	24.56	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.

Site :	CB4-H	Engineer :	Lion
Model No :	CP111D	Test Date :	2019/5/1
Test Voltage :	AC 120V/60Hz	Polarity :	Horizontal
Test Mode :	Mode 1: Transmit Mode		
Note :	802.11g_2462MHz		
Environmental Condition:	Temperature (°C) : 23.5 ; Relative Humidity (%RH) : 62		

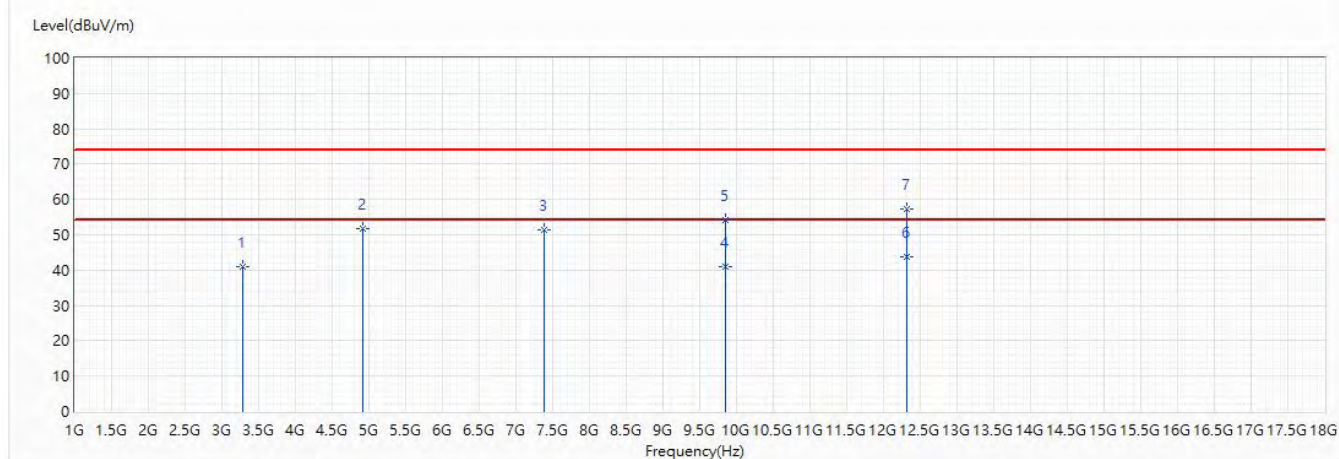


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3282	41.08	74.00	-32.92	36.68	4.40	PK
2	4924	51.93	74.00	-22.07	41.40	10.53	PK
3	7386	51.88	74.00	-22.12	35.21	16.67	PK
4	9848	41.06	54.00	-12.94	20.36	20.70	AV
5	9848	54.10	74.00	-19.90	33.40	20.70	PK
* 6	12310	43.77	54.00	-10.23	19.26	24.51	AV
7	12310	57.06	74.00	-16.94	32.55	24.51	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 limt.

Site :	CB4-H	Engineer :	Lion
Model No :	CP111D	Test Date :	2019/5/1
Test Voltage :	AC 120V/60Hz	Polarity :	Vertical
Test Mode :	Mode 1: Transmit Mode		
Note :	802.11g_2462MHz		
Environmental Condition:	Temperature (°C) : 23.5 ; Relative Humidity (%RH) : 62		

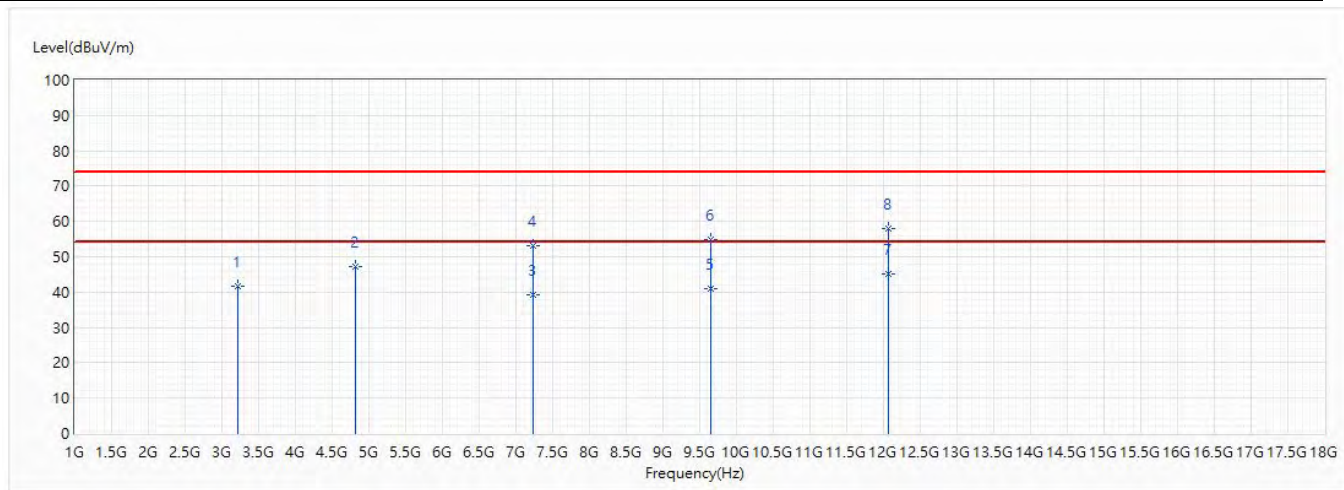


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3282	41.14	74.00	-32.86	36.74	4.40	PK
2	4924	51.67	74.00	-22.33	41.14	10.53	PK
3	7386	51.38	74.00	-22.62	34.71	16.67	PK
4	9848	41.07	54.00	-12.93	20.37	20.70	AV
5	9848	54.16	74.00	-19.84	33.46	20.70	PK
* 6	12310	43.75	54.00	-10.25	19.24	24.51	AV
7	12310	57.41	74.00	-16.59	32.90	24.51	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 limt.

Site :	CB4-H	Engineer :	Lion
Model No :	CP111D	Test Date :	2019/5/1
Test Voltage :	AC 120V/60Hz	Polarity :	Horizontal
Test Mode :	Mode 1: Transmit Mode		
Note :	802.11n20_2412MHz		
Environmental Condition:	Temperature (°C) : 23.5 ; Relative Humidity (%RH) : 62		

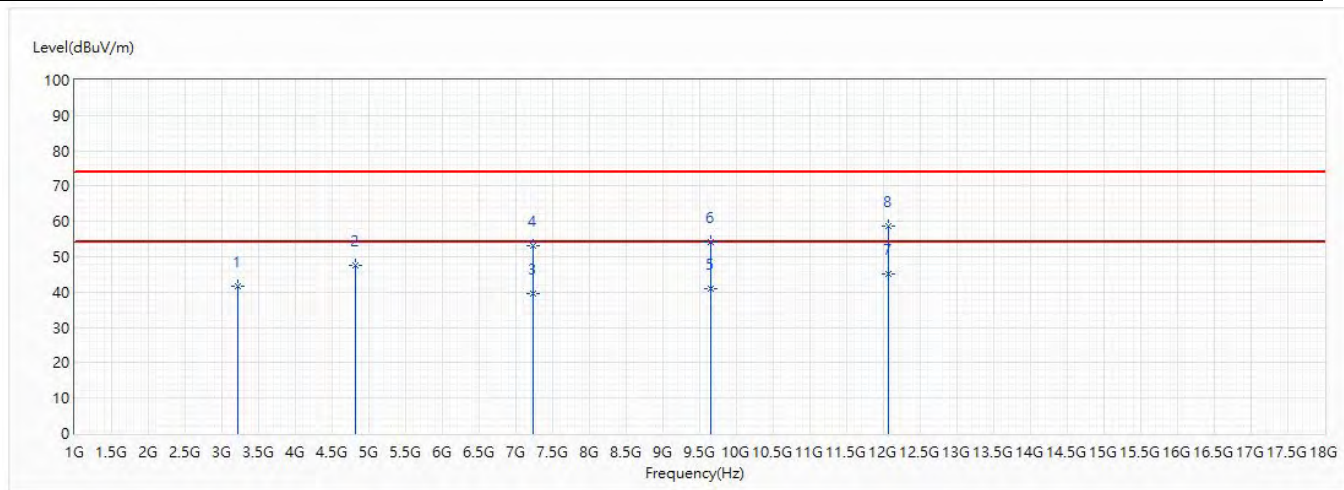


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3216	41.58	74.00	-32.42	37.50	4.08	PK
2	4824	47.29	74.00	-26.71	37.37	9.92	PK
3	7236	39.21	54.00	-14.79	22.67	16.54	AV
4	7236	53.14	74.00	-20.86	36.60	16.54	PK
5	9648	40.86	54.00	-13.14	20.13	20.73	AV
6	9648	54.78	74.00	-19.22	34.05	20.73	PK
* 7	12060	45.07	54.00	-8.93	21.22	23.85	AV
8	12060	58.13	74.00	-15.87	34.28	23.85	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 13GHz were not included is because their levels are lower than 20dB form limit.

Site :	CB4-H	Engineer :	Lion
Model No :	CP111D	Test Date :	2019/5/1
Test Voltage :	AC 120V/60Hz	Polarity :	Vertical
Test Mode :	Mode 1: Transmit Mode		
Note :	802.11n20_2412MHz		
Environmental Condition:	Temperature (°C) : 23.5 ; Relative Humidity (%RH) : 62		

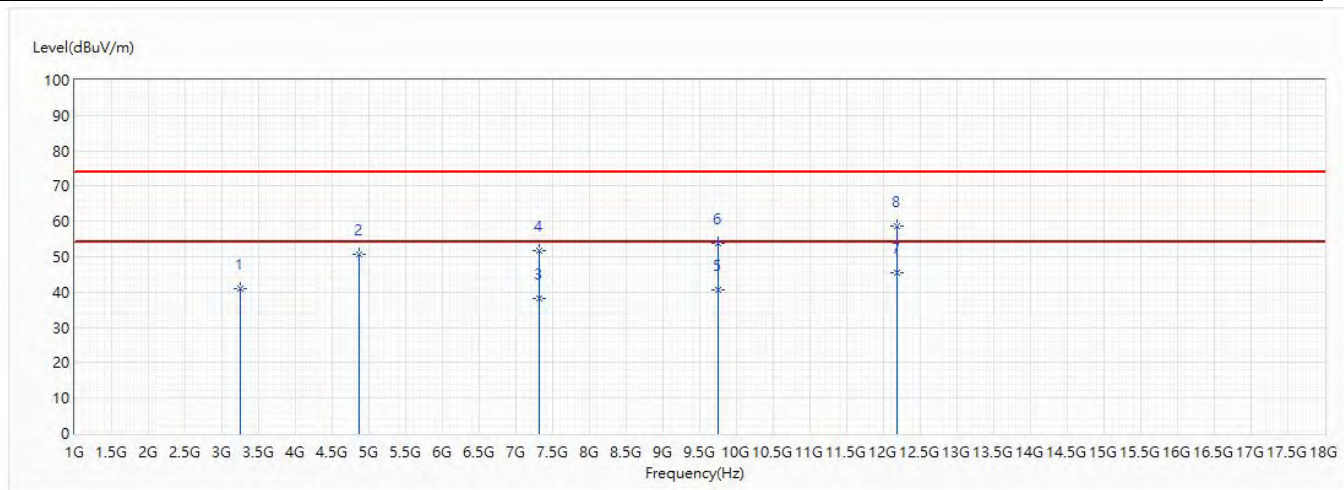


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3216	41.68	74.00	-32.32	37.60	4.08	PK
2	4824	47.53	74.00	-26.47	37.61	9.92	PK
3	7236	39.58	54.00	-14.42	23.04	16.54	AV
4	7236	52.96	74.00	-21.04	36.42	16.54	PK
5	9648	40.87	54.00	-13.13	20.14	20.73	AV
6	9648	54.26	74.00	-19.74	33.53	20.73	PK
* 7	12060	45.08	54.00	-8.92	21.23	23.85	AV
8	12060	58.71	74.00	-15.29	34.86	23.85	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 13GHz were not included is because their levels are lower than 20dB form limit.

Site :	CB4-H	Engineer :	Lion
Model No :	CP111D	Test Date :	2019/5/1
Test Voltage :	AC 120V/60Hz	Polarity :	Horizontal
Test Mode :	Mode 1: Transmit Mode		
Note :	802.11n20_2437MHz		
Environmental Condition:	Temperature (°C) : 23.5 ; Relative Humidity (%RH) : 62		

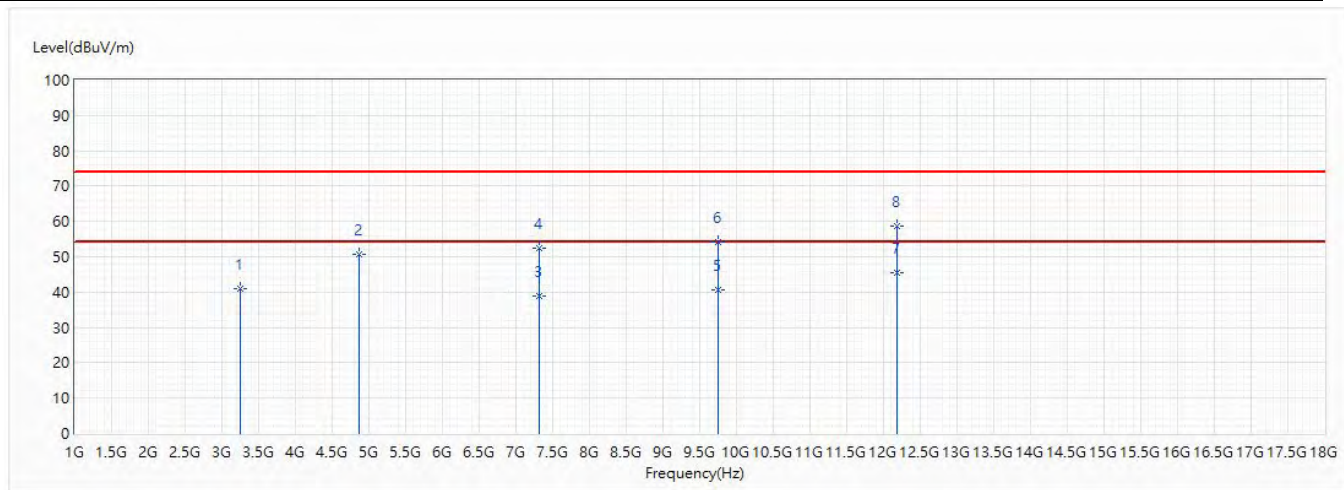


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3249	41.05	74.00	-32.95	36.80	4.25	PK
2	4874	50.68	74.00	-23.32	40.41	10.27	PK
3	7311	38.19	54.00	-15.81	21.61	16.58	AV
4	7311	51.70	74.00	-22.30	35.12	16.58	PK
5	9748	40.69	54.00	-13.31	20.18	20.51	AV
6	9748	53.65	74.00	-20.35	33.14	20.51	PK
* 7	12185	45.35	54.00	-8.65	20.79	24.56	AV
8	12185	58.78	74.00	-15.22	34.22	24.56	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.

Site :	CB4-H	Engineer :	Lion
Model No :	CP111D	Test Date :	2019/5/1
Test Voltage :	AC 120V/60Hz	Polarity :	Vertical
Test Mode :	Mode 1: Transmit Mode		
Note :	802.11n20_2437MHz		
Environmental Condition:	Temperature (°C) : 23.5 ; Relative Humidity (%RH) : 62		

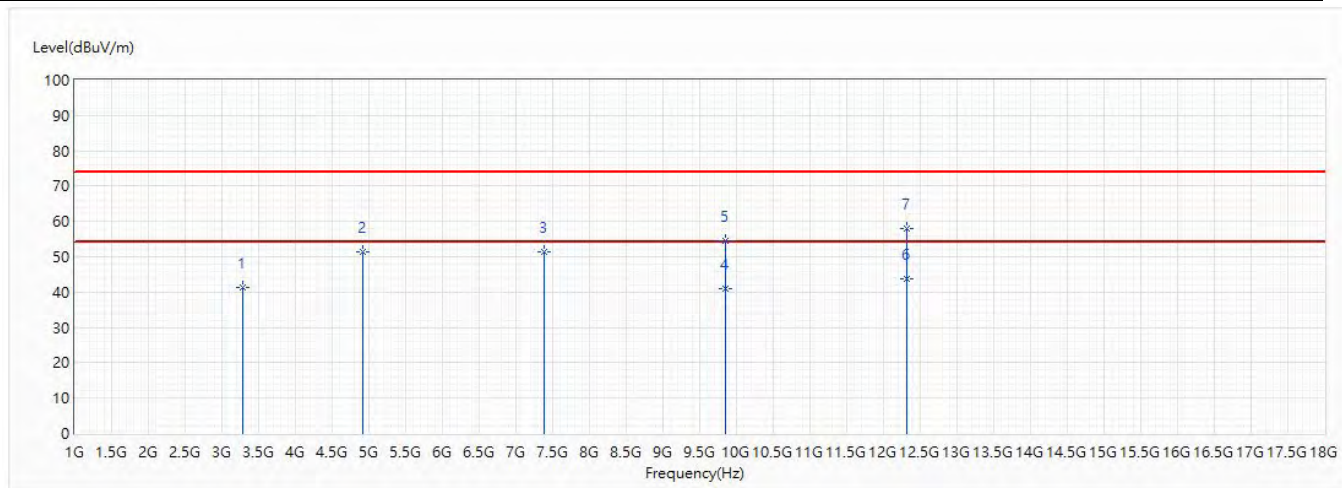


No	Frequency (MHz)	Emission Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Reading Level (dBUV)	Correct Factor (dB)	Detector Type
1	3249	40.81	74.00	-33.19	36.56	4.25	PK
2	4874	50.55	74.00	-23.45	40.28	10.27	PK
3	7311	38.89	54.00	-15.11	22.31	16.58	AV
4	7311	52.52	74.00	-21.48	35.94	16.58	PK
5	9748	40.67	54.00	-13.33	20.16	20.51	AV
6	9748	54.27	74.00	-19.73	33.76	20.51	PK
* 7	12185	45.35	54.00	-8.65	20.79	24.56	AV
8	12185	58.51	74.00	-15.49	33.95	24.56	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.

Site :	CB4-H	Engineer :	Lion
Model No :	CP111D	Test Date :	2019/5/1
Test Voltage :	AC 120V/60Hz	Polarity :	Horizontal
Test Mode :	Mode 1: Transmit Mode		
Note :	802.11n20_2462MH		
Environmental Condition:	Temperature (°C) : 23.5 ; Relative Humidity (%RH) : 62		

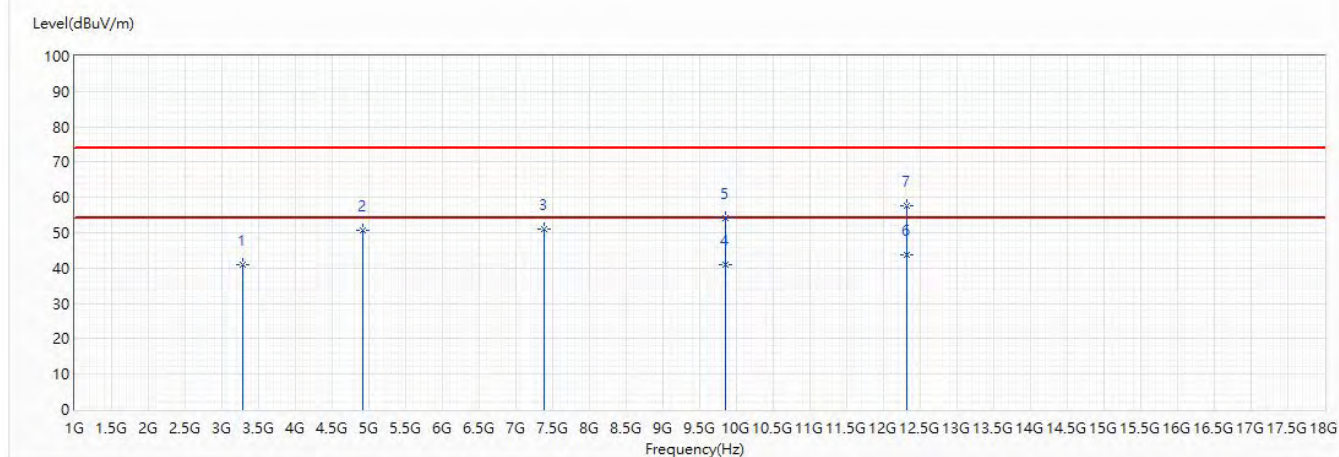


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3282	41.16	74.00	-32.84	36.76	4.40	PK
2	4924	51.23	74.00	-22.77	40.70	10.53	PK
3	7386	51.31	74.00	-22.69	34.64	16.67	PK
4	9848	40.93	54.00	-13.07	20.23	20.70	AV
5	9848	54.49	74.00	-19.51	33.79	20.70	PK
* 6	12310	43.80	54.00	-10.20	19.29	24.51	AV
7	12310	57.97	74.00	-16.03	33.46	24.51	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 limt.

Site :	CB4-H	Engineer :	Lion
Model No :	CP111D	Test Date :	2019/5/1
Test Voltage :	AC 120V/60Hz	Polarity :	Vertical
Test Mode :	Mode 1: Transmit Mode		
Note :	802.11n20_2462MH		
Environmental Condition:	Temperature (°C) : 23.5 ; Relative Humidity (%RH) : 62		

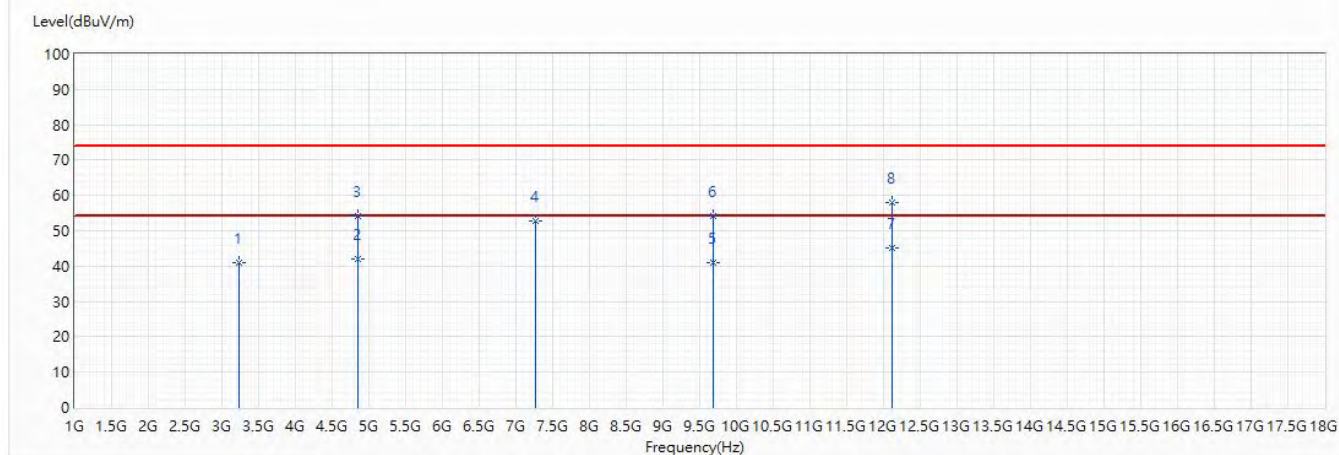


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3282	41.04	74.00	-32.96	36.64	4.40	PK
2	4924	50.85	74.00	-23.15	40.32	10.53	PK
3	7386	51.13	74.00	-22.87	34.46	16.67	PK
4	9848	40.94	54.00	-13.06	20.24	20.70	AV
5	9848	54.14	74.00	-19.86	33.44	20.70	PK
* 6	12310	43.77	54.00	-10.23	19.26	24.51	AV
7	12310	57.80	74.00	-16.20	33.29	24.51	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 limt.

Site :	CB4-H	Engineer :	Max
Model No :	CP111D	Test Date :	2019/5/2
Test Voltage :	AC 120V/60Hz	Polarity :	Horizontal
Test Mode :	Mode 1: Transmit Mode		
Note :	802.11n40_2422MHz		
Environmental Condition:	Temperature (°C) : 23.5 ; Relative Humidity (%RH) : 62		

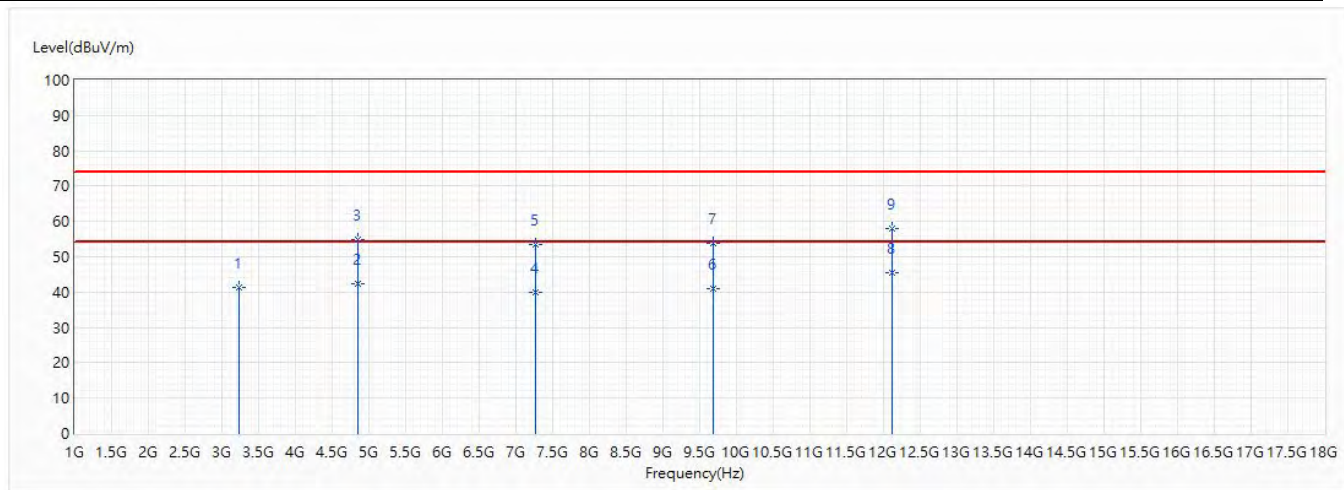


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3229	41.01	74.00	-32.99	36.87	4.14	PK
2	4844	42.15	54.00	-11.85	32.09	10.06	AV
3	4844	54.14	74.00	-19.86	44.08	10.06	PK
4	7266	52.91	74.00	-21.09	36.36	16.55	PK
5	9688	40.92	54.00	-13.08	20.25	20.67	AV
6	9688	54.00	74.00	-20.00	33.33	20.67	PK
* 7	12110	45.17	54.00	-8.83	21.32	23.85	AV
8	12110	58.05	74.00	-15.95	34.20	23.85	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 13GHz were not included is because their levels are lower than 20dB form limit.

Site :	CB4-H	Engineer :	Max
Model No :	CP111D	Test Date :	2019/5/2
Test Voltage :	AC 120V/60Hz	Polarity :	Vertical
Test Mode :	Mode 1: Transmit Mode		
Note :	802.11n40_2422MHz		
Environmental Condition:	Temperature (°C) : 23.5 ; Relative Humidity (%RH) : 62		

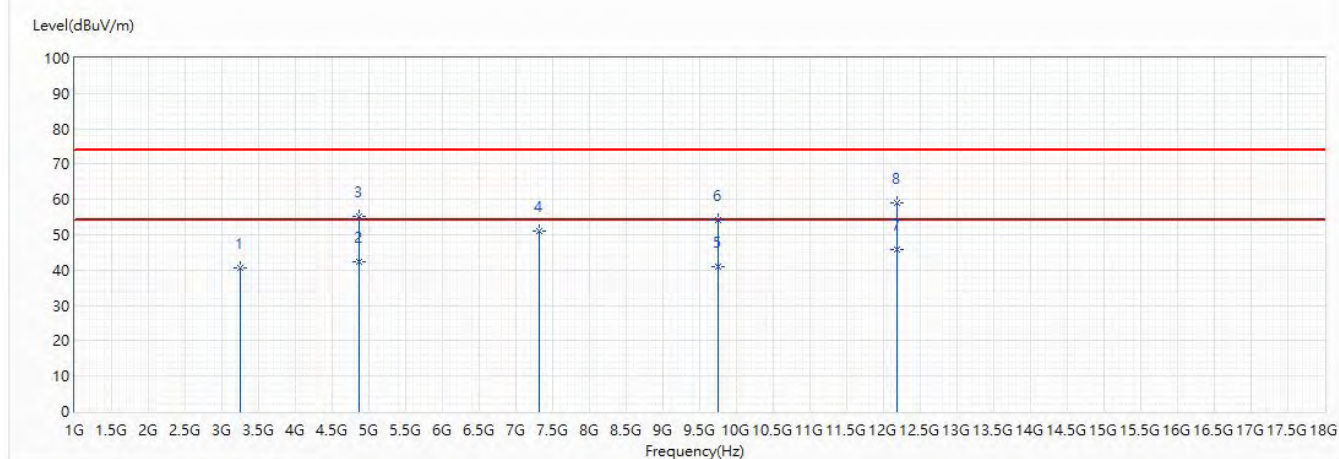


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3229	41.30	74.00	-32.70	37.16	4.14	PK
2	4844	42.44	54.00	-11.56	32.38	10.06	AV
3	4844	54.95	74.00	-19.05	44.89	10.06	PK
4	7266	39.94	54.00	-14.06	23.39	16.55	AV
5	7266	53.36	74.00	-20.64	36.81	16.55	PK
6	9688	40.89	54.00	-13.11	20.22	20.67	AV
7	9688	53.66	74.00	-20.34	32.99	20.67	PK
* 8	12110	45.32	54.00	-8.68	21.47	23.85	AV
9	12110	58.08	74.00	-15.92	34.23	23.85	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 13GHz were not included is because their levels are lower than 20dB form limit.

Site :	CB4-H	Engineer :	Max
Model No :	CP111D	Test Date :	2019/5/2
Test Voltage :	AC 120V/60Hz	Polarity :	Horizontal
Test Mode :	Mode 1: Transmit Mode		
Note :	802.11n40_2437MHz		
Environmental Condition:	Temperature (°C) : 23.5 ; Relative Humidity (%RH) : 62		

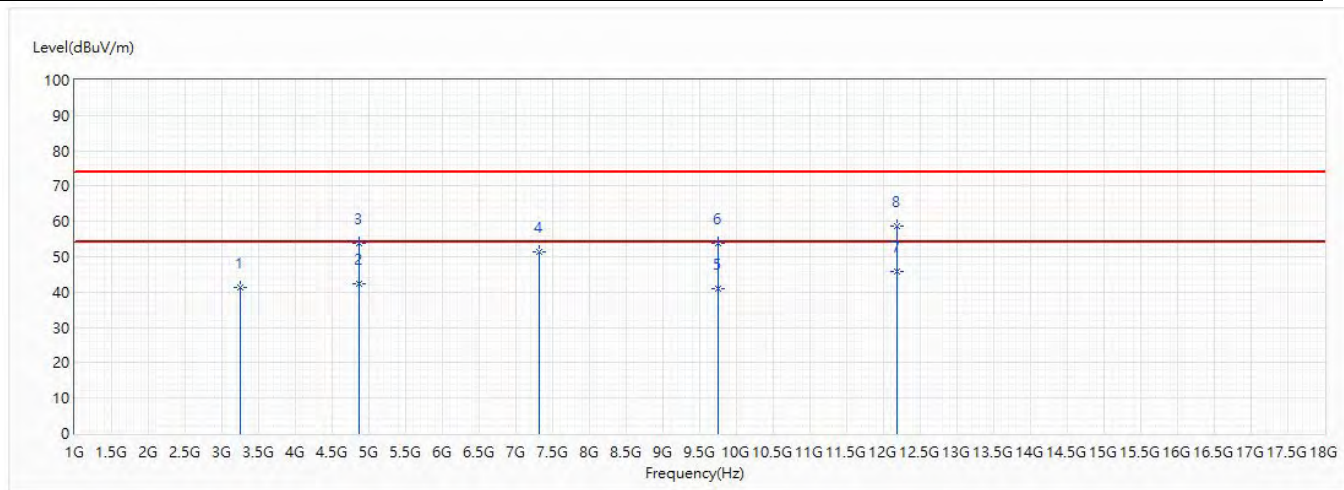


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3249	40.55	74.00	-33.45	36.30	4.25	PK
2	4874	42.29	54.00	-11.71	32.02	10.27	AV
3	4874	55.32	74.00	-18.68	45.05	10.27	PK
4	7311	51.05	74.00	-22.95	34.47	16.58	PK
5	9748	41.08	54.00	-12.92	20.57	20.51	AV
6	9748	54.03	74.00	-19.97	33.52	20.51	PK
* 7	12185	45.77	54.00	-8.23	21.21	24.56	AV
8	12185	58.95	74.00	-15.05	34.39	24.56	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.

Site :	CB4-H	Engineer :	Max
Model No :	CP111D	Test Date :	2019/5/2
Test Voltage :	AC 120V/60Hz	Polarity :	Vertical
Test Mode :	Mode 1: Transmit Mode		
Note :	802.11n40_2437MHz		
Environmental Condition:	Temperature (°C) : 23.5 ; Relative Humidity (%RH) : 62		

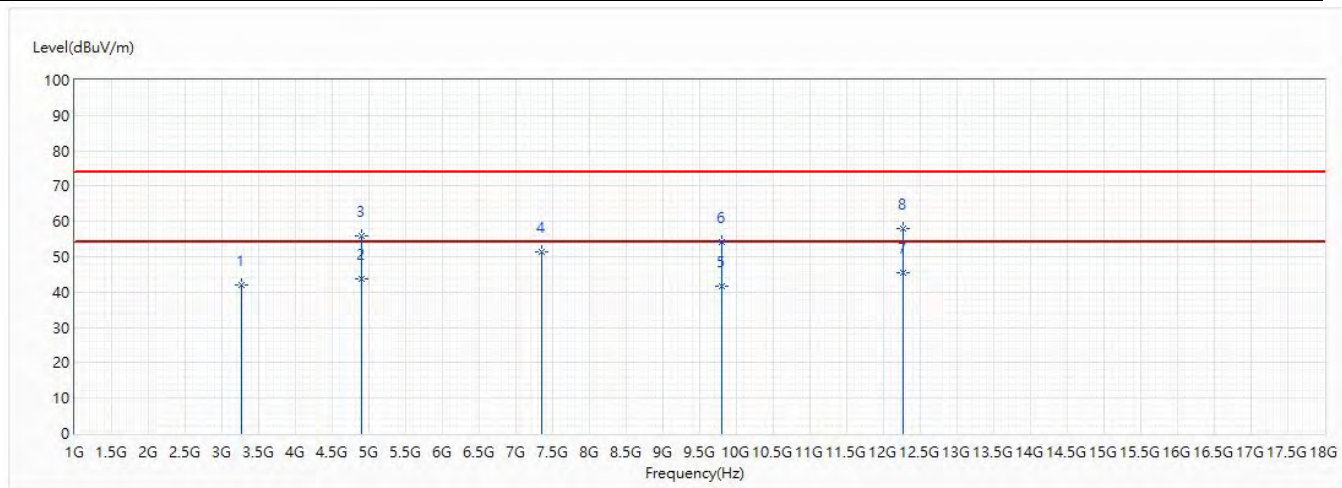


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3249	41.37	74.00	-32.63	37.12	4.25	PK
2	4874	42.28	54.00	-11.72	32.01	10.27	AV
3	4874	53.76	74.00	-20.24	43.49	10.27	PK
4	7311	51.55	74.00	-22.45	34.97	16.58	PK
5	9748	41.12	54.00	-12.88	20.61	20.51	AV
6	9748	53.98	74.00	-20.02	33.47	20.51	PK
* 7	12185	45.94	54.00	-8.06	21.38	24.56	AV
8	12185	58.70	74.00	-15.30	34.14	24.56	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.

Site :	CB4-H	Engineer :	Max
Model No :	CP111D	Test Date :	2019/5/2
Test Voltage :	AC 120V/60Hz	Polarity :	Horizontal
Test Mode :	Mode 1: Transmit Mode		
Note :	802.11n40_2452MHz		
Environmental Condition:	Temperature (°C) : 23.5 ; Relative Humidity (%RH) : 62		

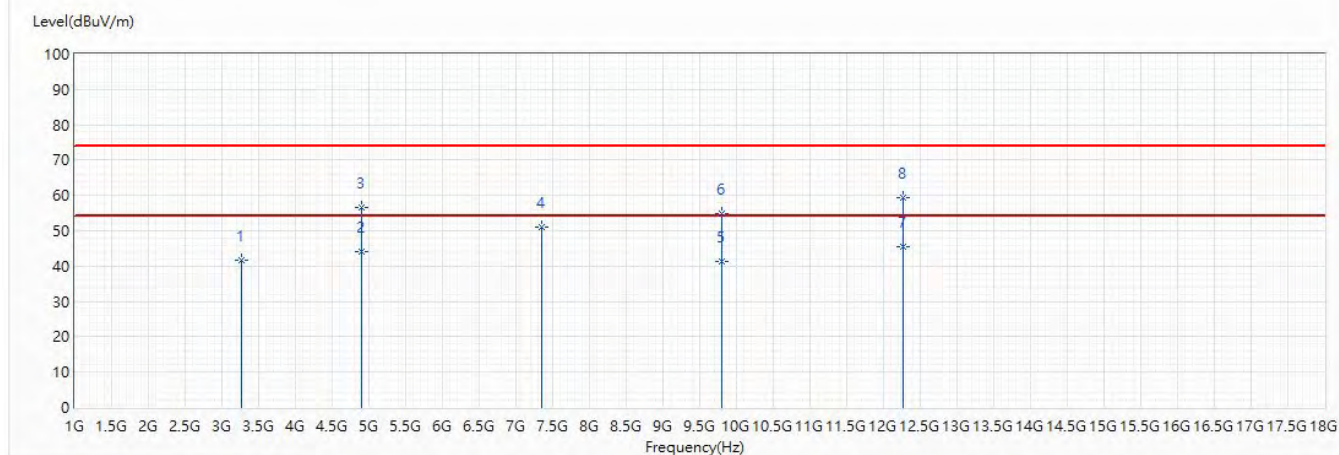


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3269	42.07	74.00	-31.93	37.73	4.34	PK
2	4904	43.63	54.00	-10.37	33.14	10.49	AV
3	4904	56.02	74.00	-17.98	45.53	10.49	PK
4	7356	51.25	74.00	-22.75	34.62	16.63	PK
5	9808	41.53	54.00	-12.47	20.91	20.62	AV
6	9808	54.32	74.00	-19.68	33.70	20.62	PK
* 7	12260	45.51	54.00	-8.49	20.70	24.81	AV
8	12260	57.98	74.00	-16.02	33.17	24.81	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.

Site :	CB4-H	Engineer :	Max
Model No :	CP111D	Test Date :	2019/5/2
Test Voltage :	AC 120V/60Hz	Polarity :	Vertical
Test Mode :	Mode 1: Transmit Mode		
Note :	802.11n40_2452MHz		
Environmental Condition:	Temperature (°C) : 23.5 ; Relative Humidity (%RH) : 62		



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3269	41.55	74.00	-32.45	37.21	4.34	PK
2	4904	44.03	54.00	-9.97	33.54	10.49	AV
3	4904	56.62	74.00	-17.38	46.13	10.49	PK
4	7356	51.09	74.00	-22.91	34.46	16.63	PK
5	9808	41.36	54.00	-12.64	20.74	20.62	AV
6	9808	54.73	74.00	-19.27	34.11	20.62	PK
* 7	12260	45.45	54.00	-8.55	20.64	24.81	AV
8	12260	59.29	74.00	-14.71	34.48	24.81	PK

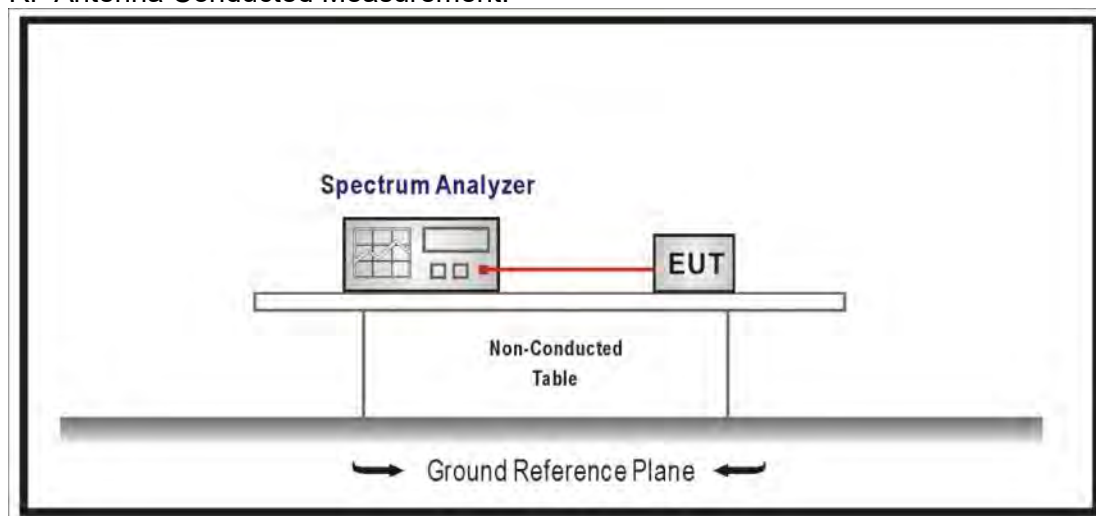
Note:

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 limt.

5. RF antenna conducted test

5.1. Test Setup

RF Antenna Conducted Measurement:



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 DTS test procedure section 11.2 of KDB558074 D01V05r02 for compliance to FCC 47CFR 15.247 requirements. Set RBW = 100 kHz, Set VBW > RBW, scan up through 10th harmonic.

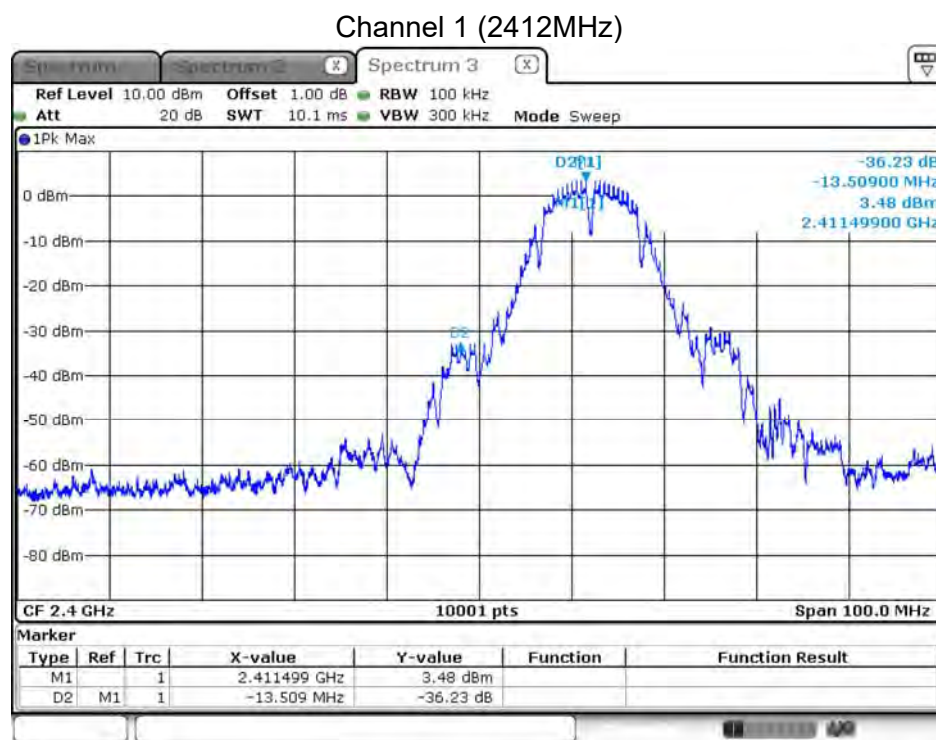
5.4. Test Specification

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

5.5. Test Result

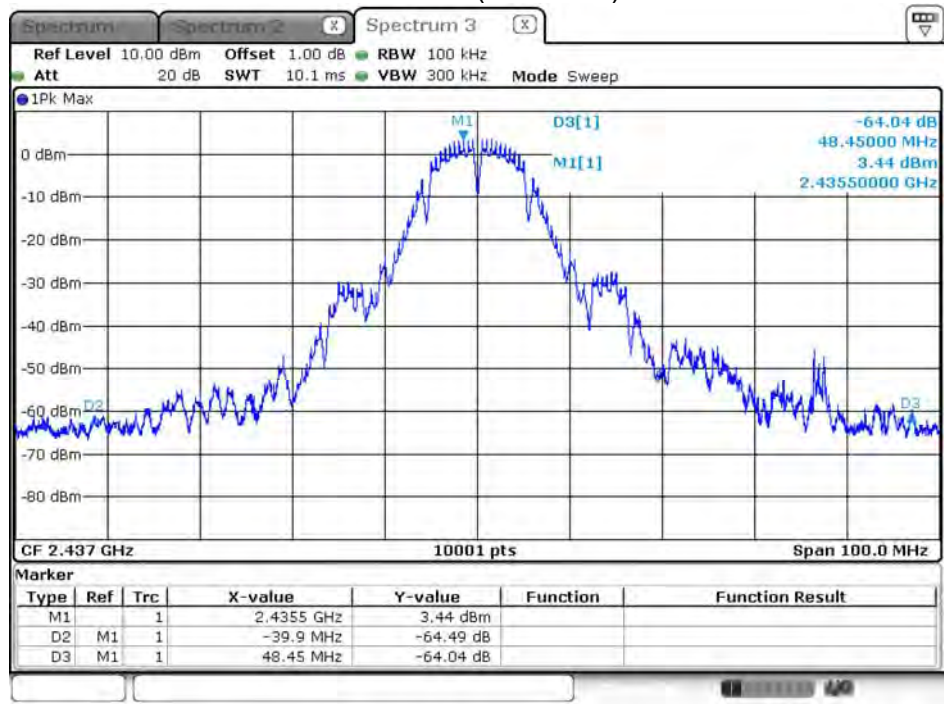
Product	LATTE ART PRINTER		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit Mode		
Date of Test	2019/05/04	Test Site	SR10-H
Test Temperature	23.4°C	Test Humidity	60.0%

IEEE 802.11b (ANT 0)				
Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	36.23	≥ 20	Pass
6	2437	57.57	≥ 20	Pass
11	2462	47.83	≥ 20	Pass



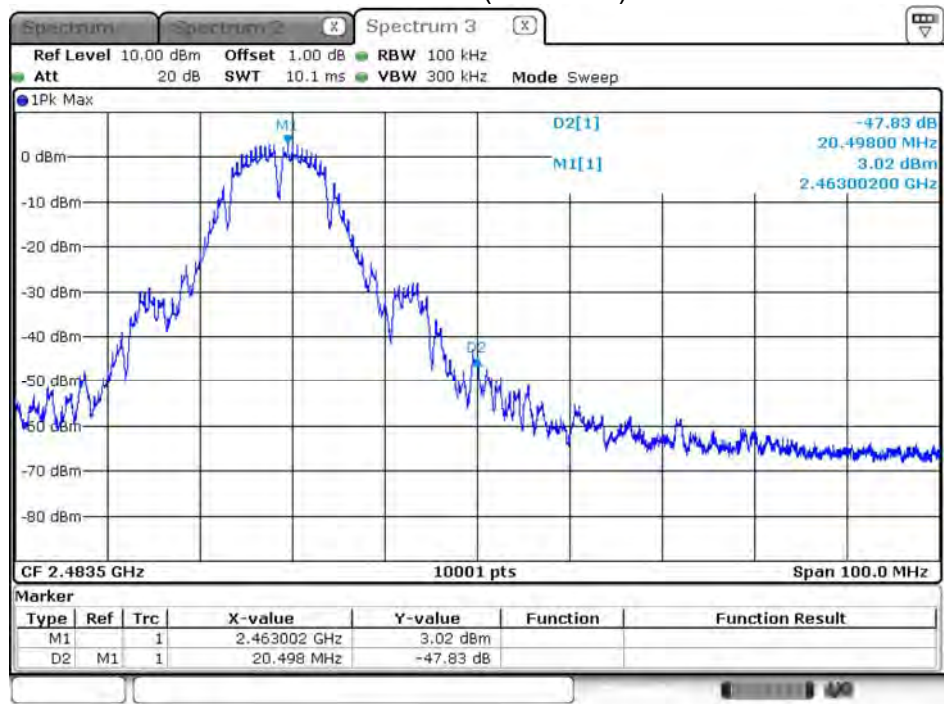
Date: 4 MAY 2019 00:37:36

Channel 6 (2437MHz)



Date: 4 MAY 2019 00:35:27

Channel 11 (2462MHz)



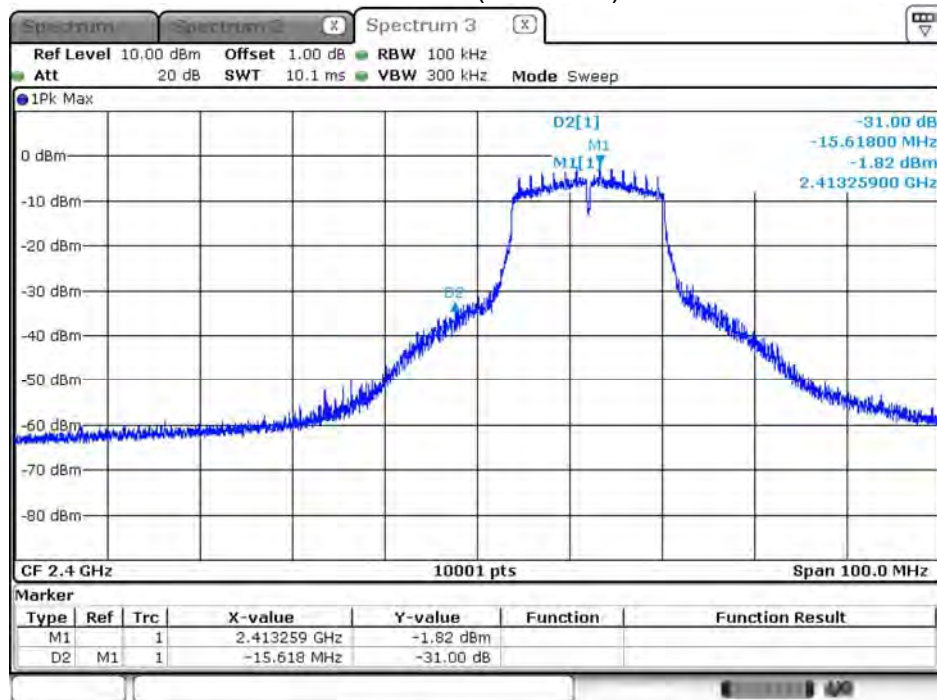
Date: 4 MAY 2019 01:45:01

Product	LATTE ART PRINTER		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit Mode		
Date of Test	2019/05/04	Test Site	SR10-H
Test Temperature	23.4°C	Test Humidity	60.0%

IEEE 802.11g (ANT 0)

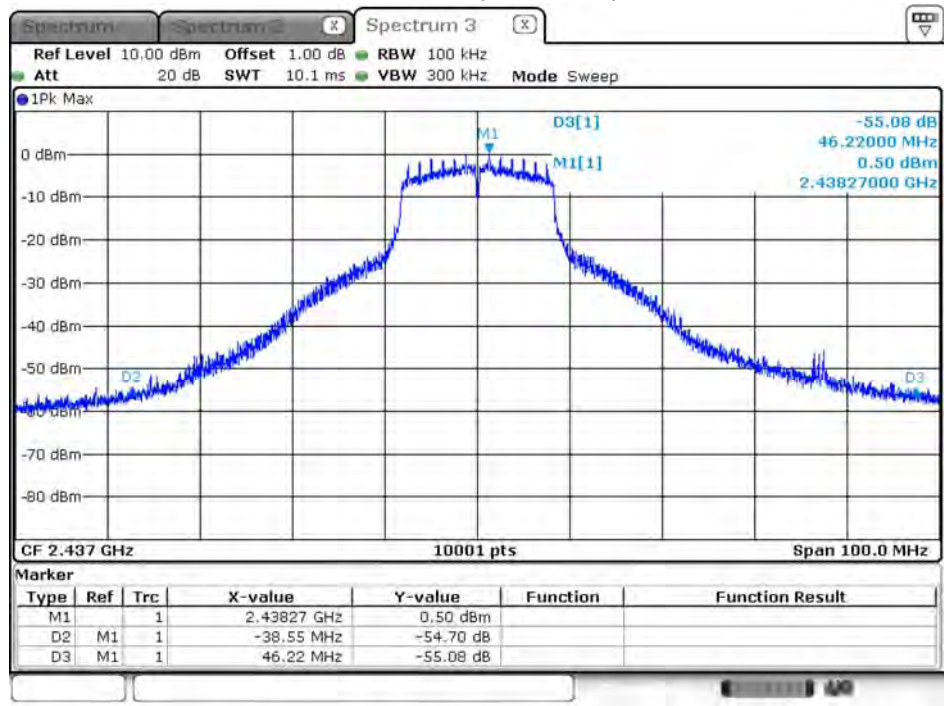
Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	31.00	≥ 20	Pass
6	2437	54.70	≥ 20	Pass
11	2462	39.53	≥ 20	Pass

Channel 1 (2412MHz)



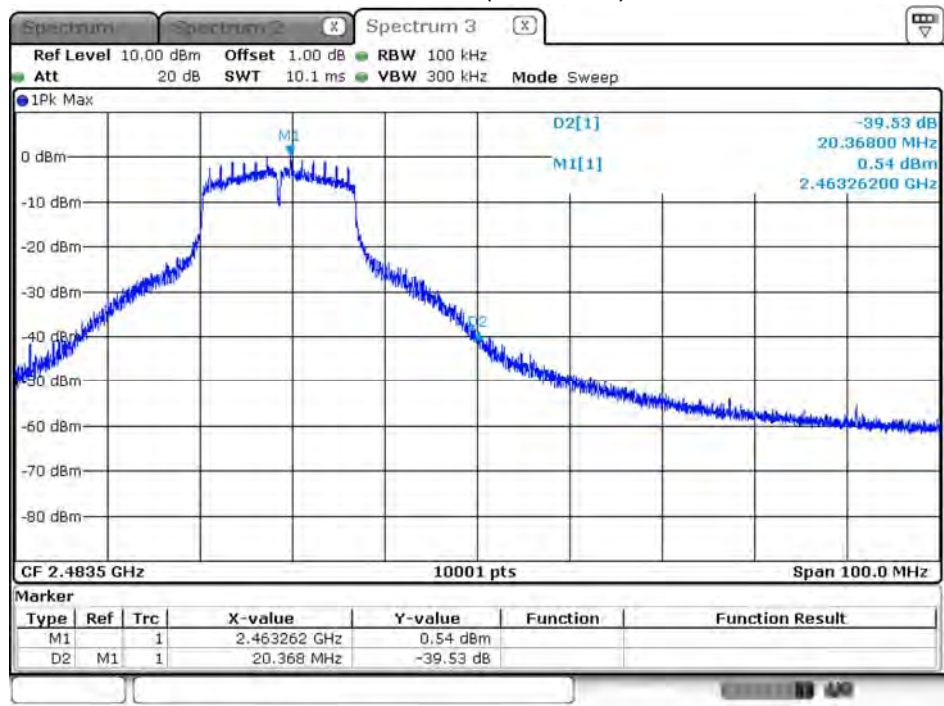
Date: 4.MAY.2019 00:40:54

Channel 6 (2437MHz)



Date: 4 MAY 2019 00:21:45

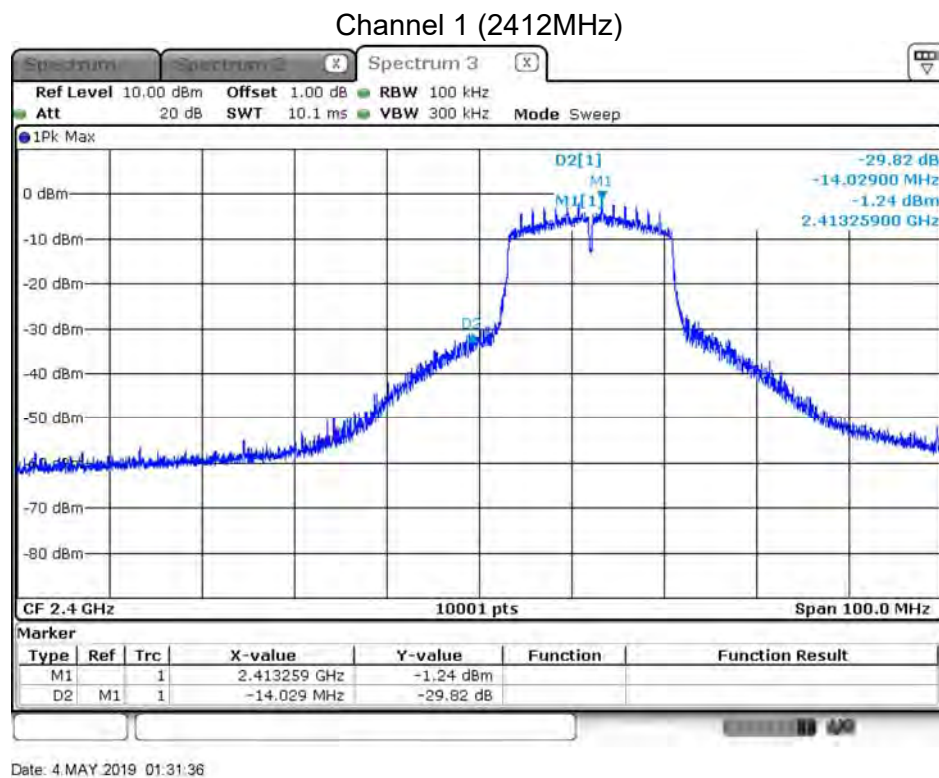
Channel 11 (2462MHz)



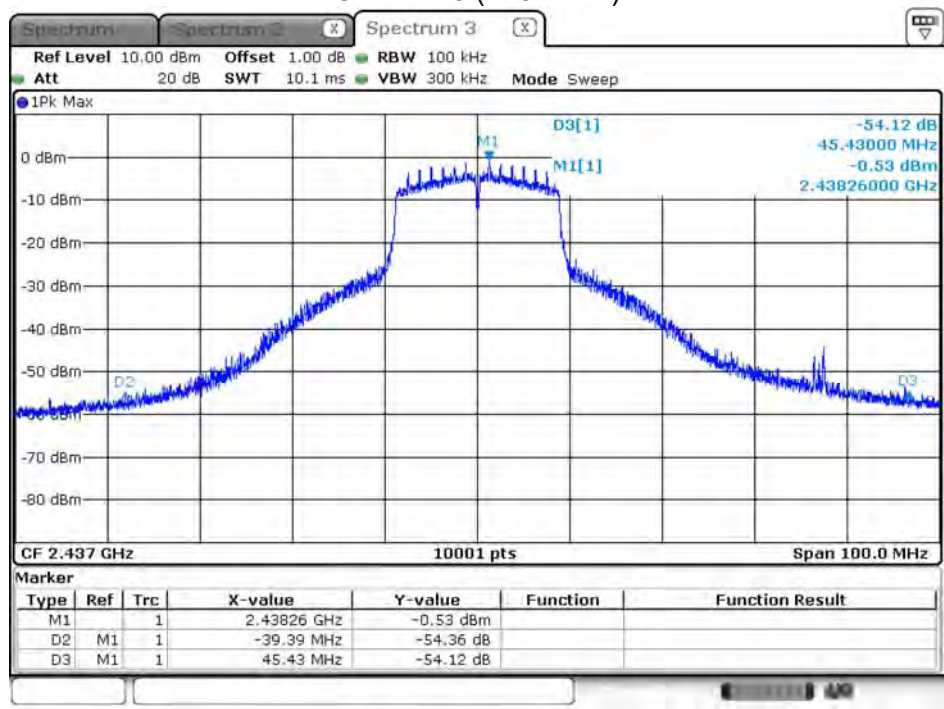
Date: 4 MAY 2019 01:44:10

Product	LATTE ART PRINTER		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit Mode		
Date of Test	2019/05/04	Test Site	SR10-H
Test Temperature	23.4°C	Test Humidity	60.0%

IEEE 802.11n 20M (ANT 0)				
Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	29.82	≥ 20	Pass
6	2437	52.64	≥ 20	Pass
11	2462	36.59	≥ 20	Pass

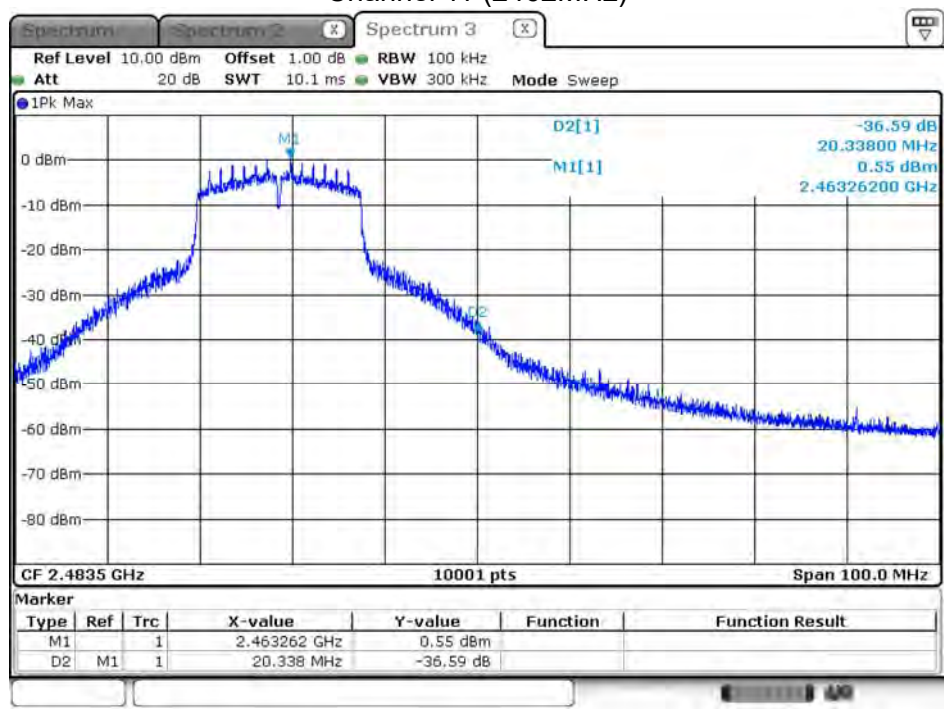


Channel 6 (2437MHz)



Date: 4 MAY 2019 00:19:08

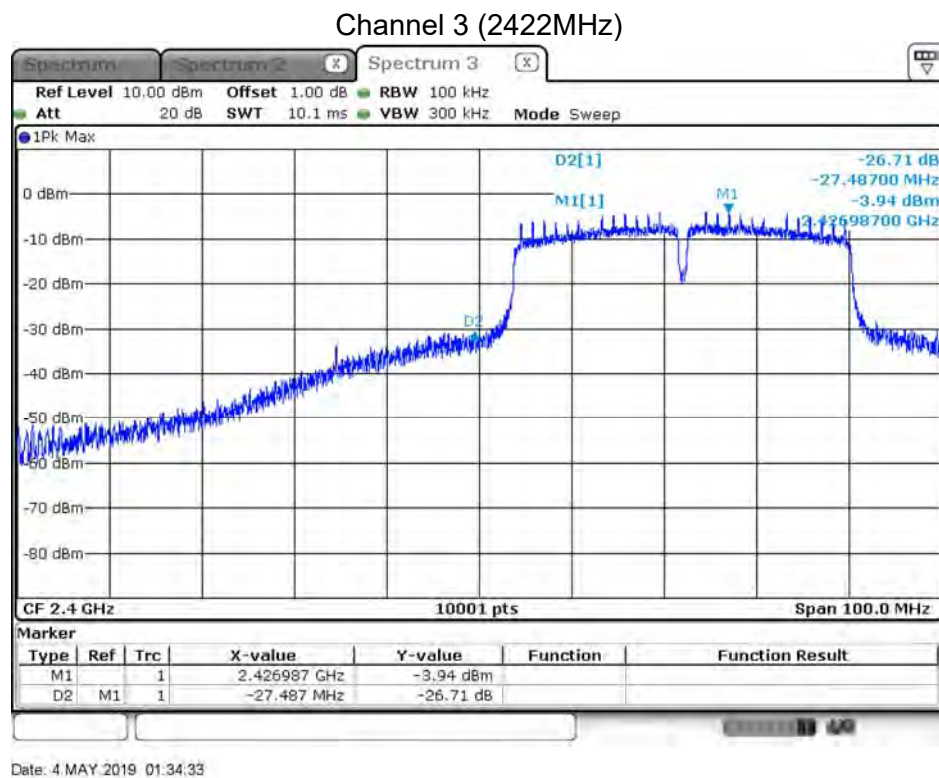
Channel 11 (2462MHz)



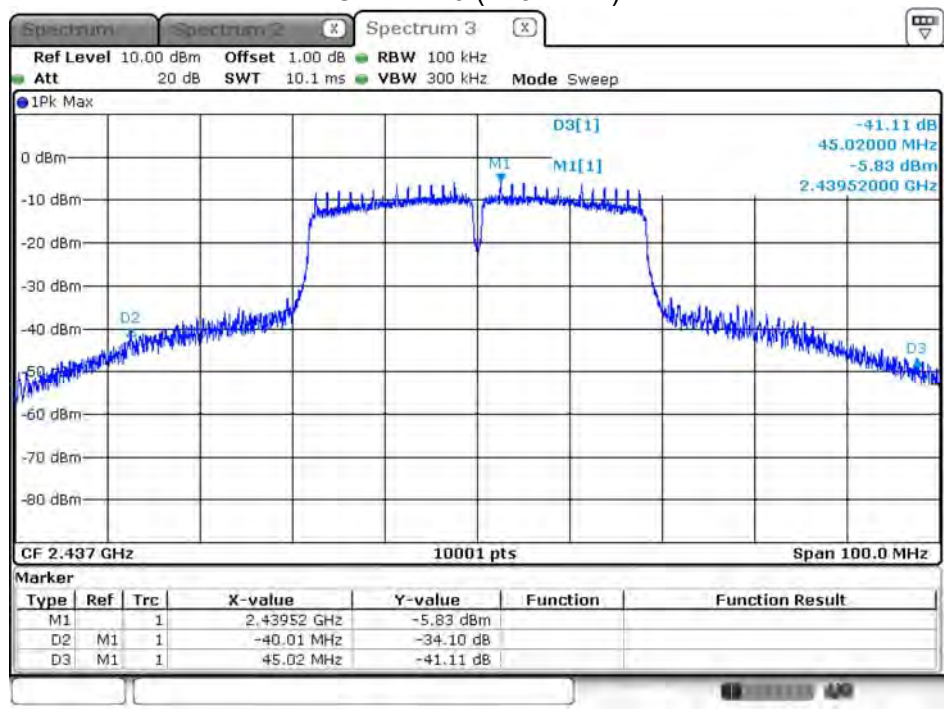
Date: 4 MAY 2019 01:41:43

Product	LATTE ART PRINTER		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit Mode		
Date of Test	2019/05/04	Test Site	SR10-H
Test Temperature	23.4°C	Test Humidity	60.0%

IEEE 802.11n 40M (ANT 0)				
Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
3	2422	26.71	≥ 20	Pass
6	2437	34.10	≥ 20	Pass
9	2452	25.67	≥ 20	Pass

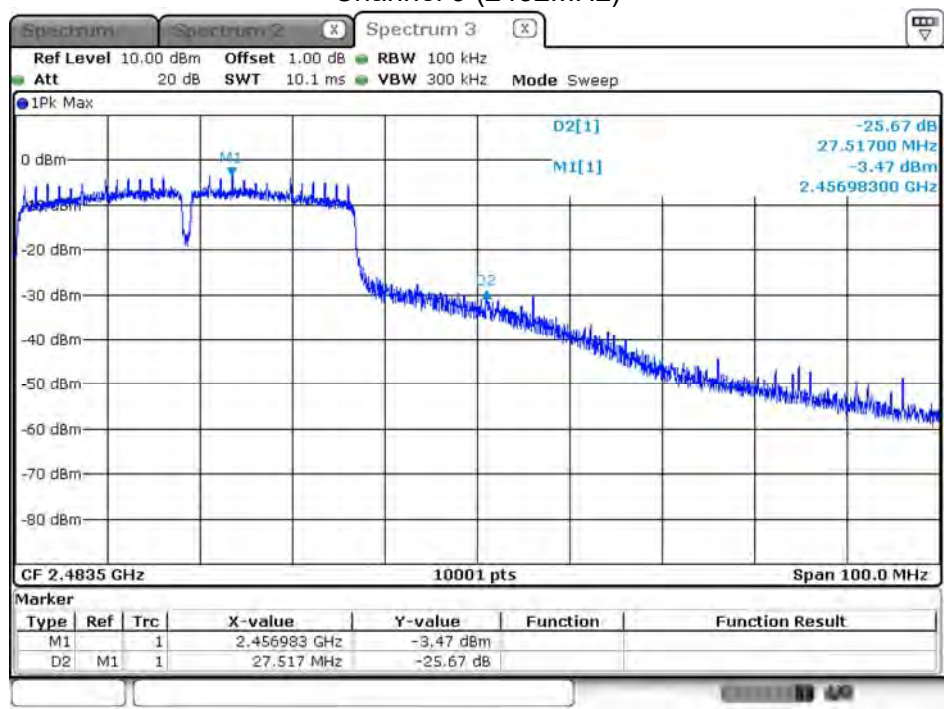


Channel 6 (2437MHz)



Date: 4 MAY 2019 00:13:08

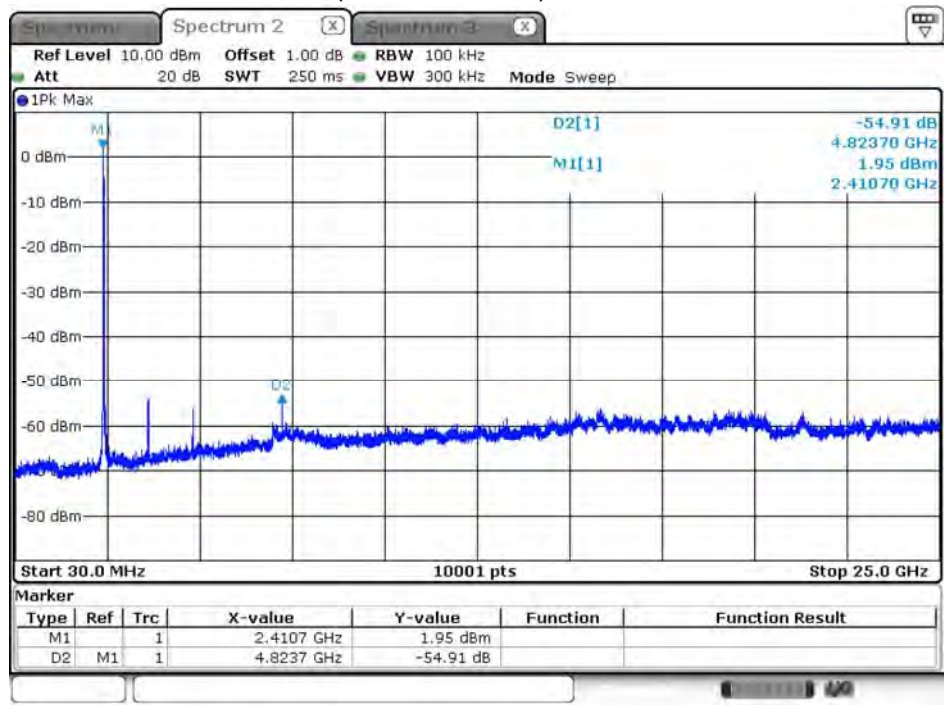
Channel 9 (2452MHz)



Date: 4 MAY 2019 01:40:17

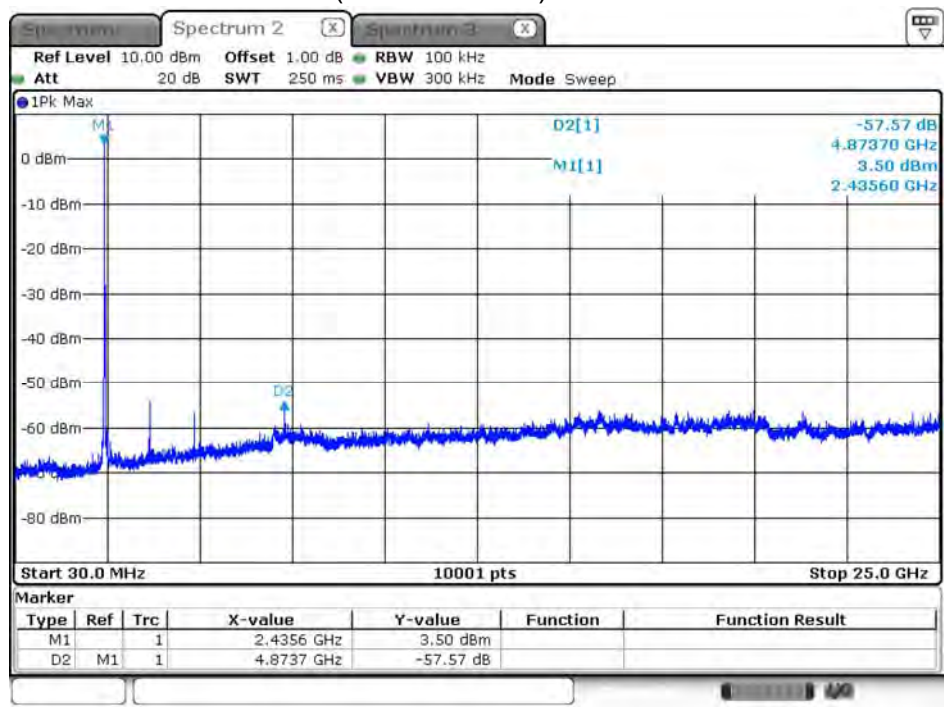
Product	LATTE ART PRINTER		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit Mode		
Date of Test	2019/05/04	Test Site	SR10-H
Test Temperature	23.4°C	Test Humidity	60.0%

2412MHz (30MHz-25GHz)-802.11b-ANT 0



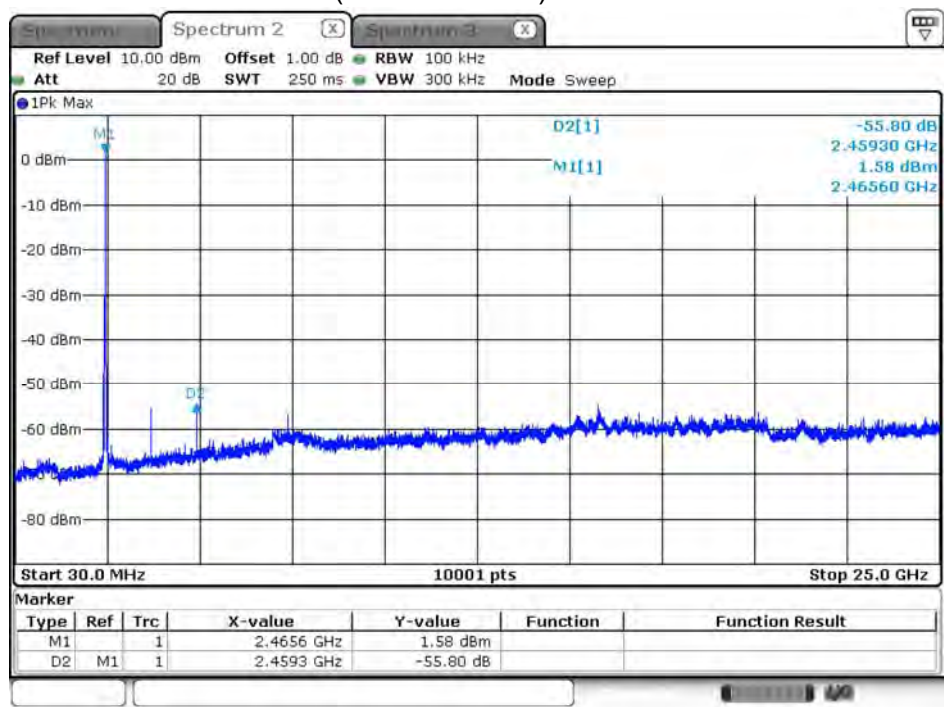
Date: 4 MAY 2019 00:38:23

2437MHz (30MHz-25GHz)-802.11b-ANT 0



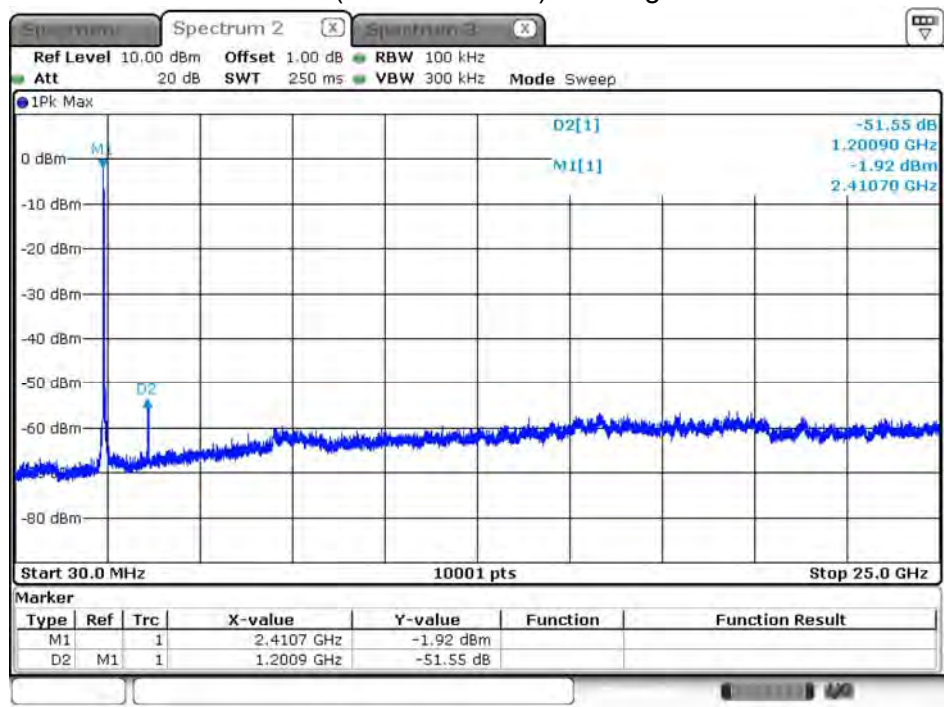
Date: 4 MAY 2019 00:34:07

2462MHz (30MHz-25GHz)-802.11b-ANT 0



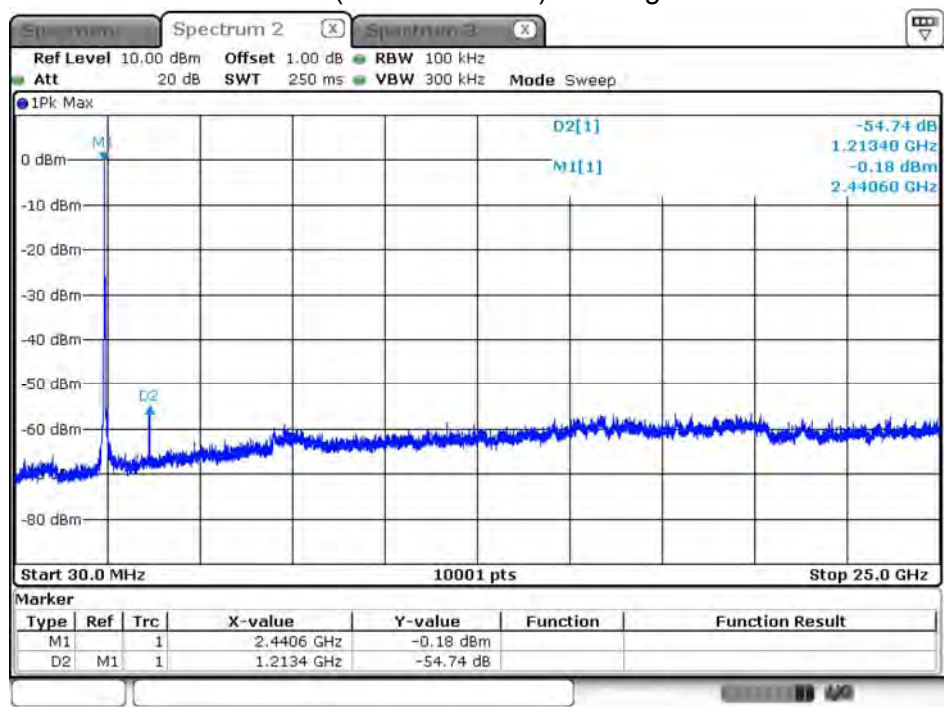
Date: 4 MAY 2019 01:45:53

2412MHz (30MHz-25GHz)-802.11g-ANT 0



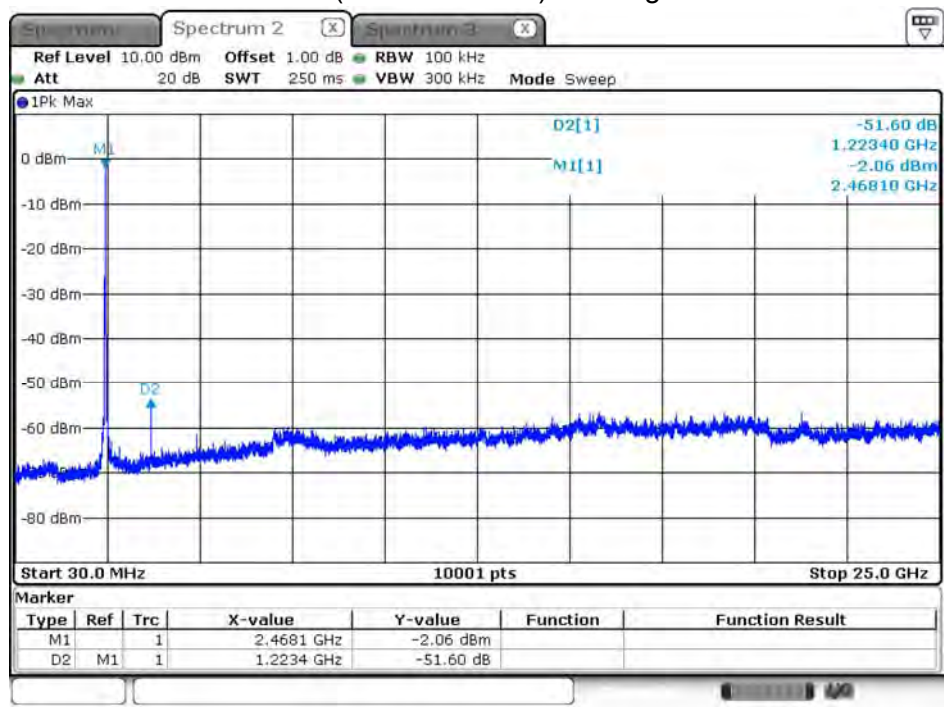
Date: 4 MAY 2019 00:39:43

2437MHz (30MHz-25GHz)-802.11g-ANT 0



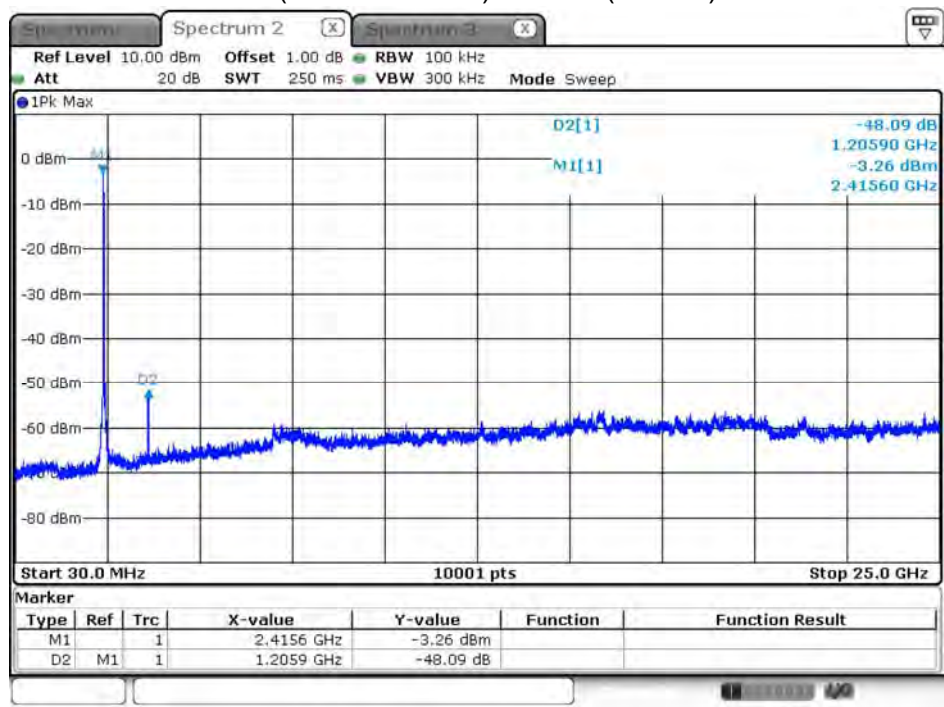
Date: 4 MAY 2019 00:22:23

2462MHz (30MHz-25GHz)-802.11g-ANT 0



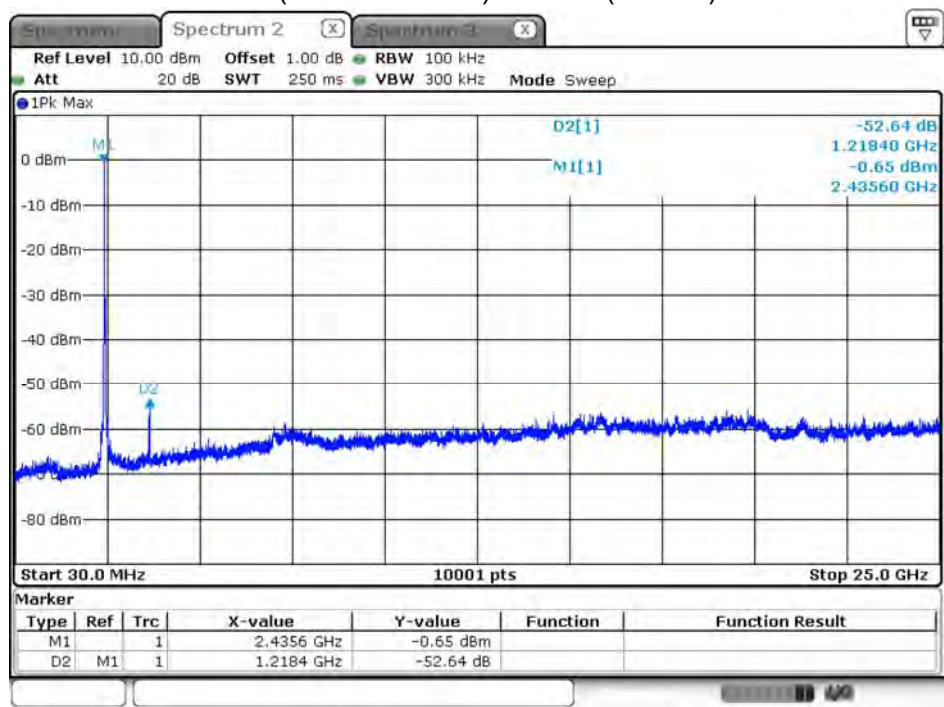
Date: 4 MAY 2019 01:43:11

2412MHz (30MHz-25GHz)-802.11n(20MHz)-ANT 0

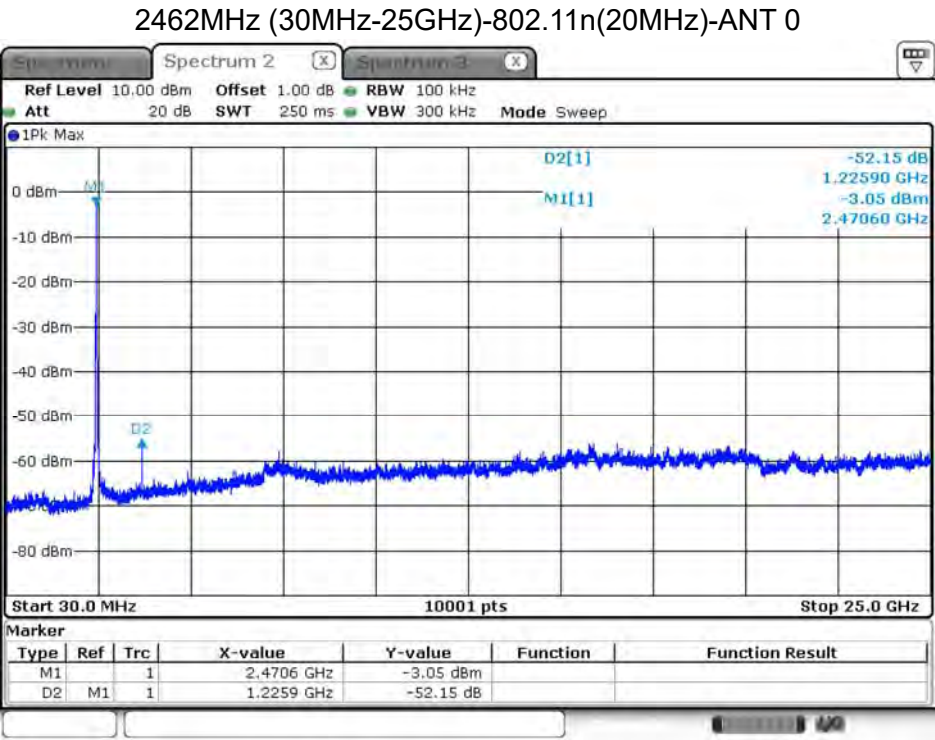


Date: 4 MAY 2019 01:32:40

2437MHz (30MHz-25GHz)-802.11n(20MHz)-ANT 0

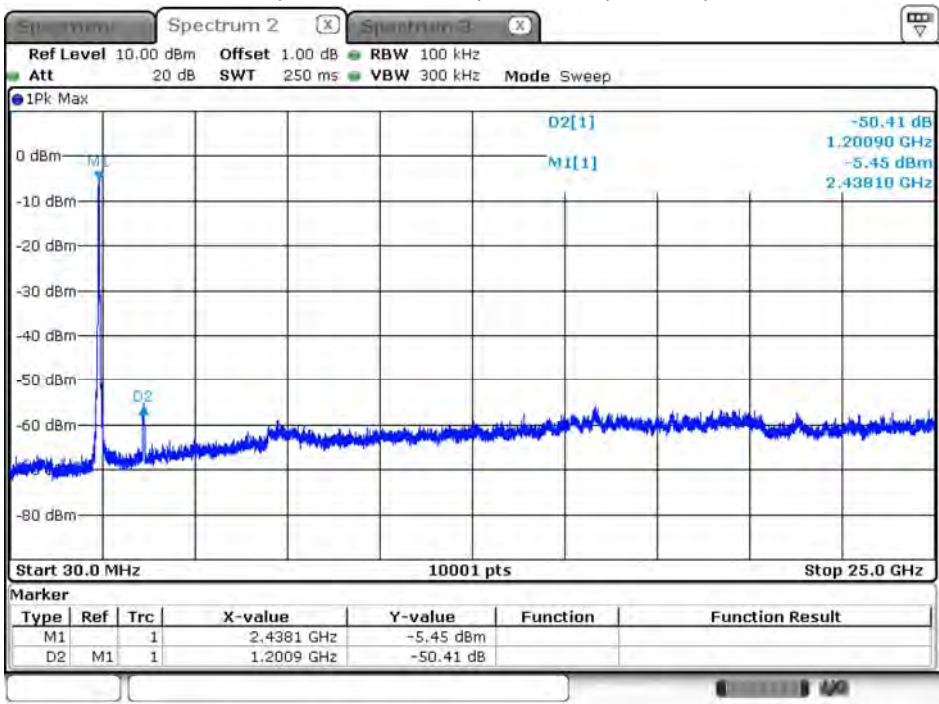


Date: 4 MAY 2019 00:24:17



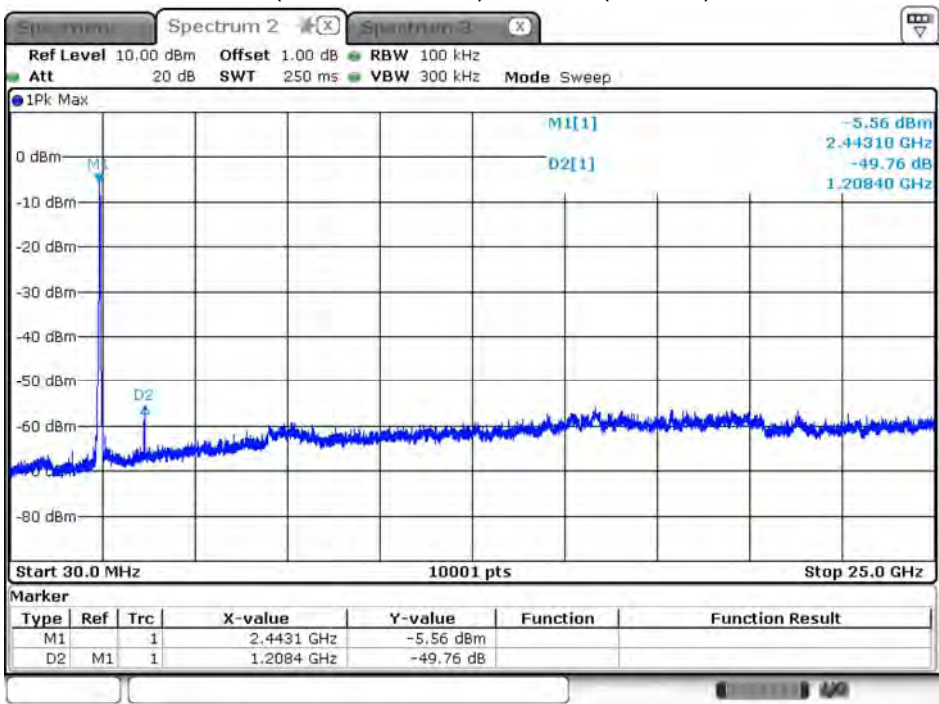
Date: 4 MAY 2019 01:42:32

2422MHz (30MHz-25GHz)-802.11n(40MHz)-ANT 0

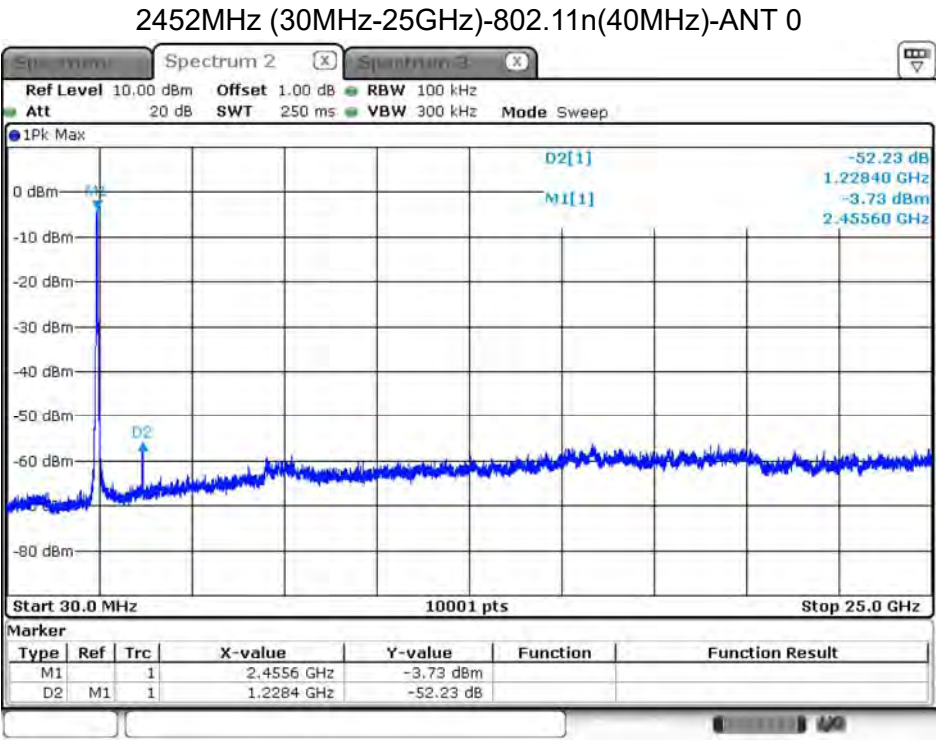


Date: 4 MAY 2019 01:35:16

2437MHz (30MHz-25GHz)-802.11n(40MHz)-ANT 0



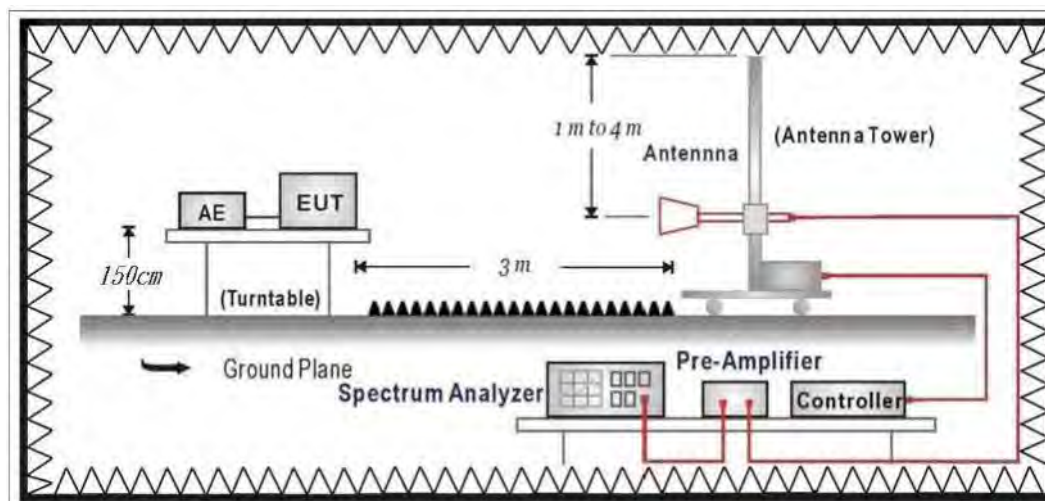
Date: 4 MAY 2019 00:03:42



Date: 4 MAY 2019 01:36:12

6. Radiated Emission 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 DTS test procedure of 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 EUT was positioned such that the distance from antenna to the EUT was 3 meters. The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.

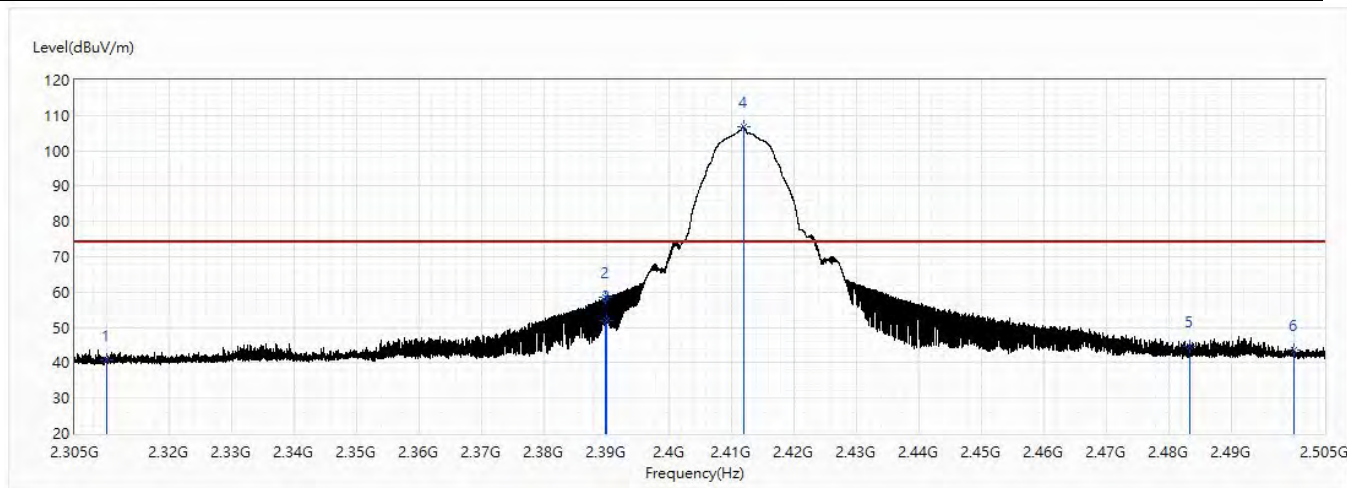
Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.10: 2013 on radiated measurement.

6.4. Test Specification

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

6.5. Test Result

Site :	CB4-H	Engineer :	Max
Model No :	CP111D	Test Date :	2019/5/2
Test Voltage :	AC 120V/60Hz	Polarity :	Horizontal
Test Mode :	Mode 1: Transmit Mode		
Note :	802.11b_2412MHz		
Environmental Condition:	Temperature (°C) : 23.5 ; Relative Humidity (%RH) : 62		

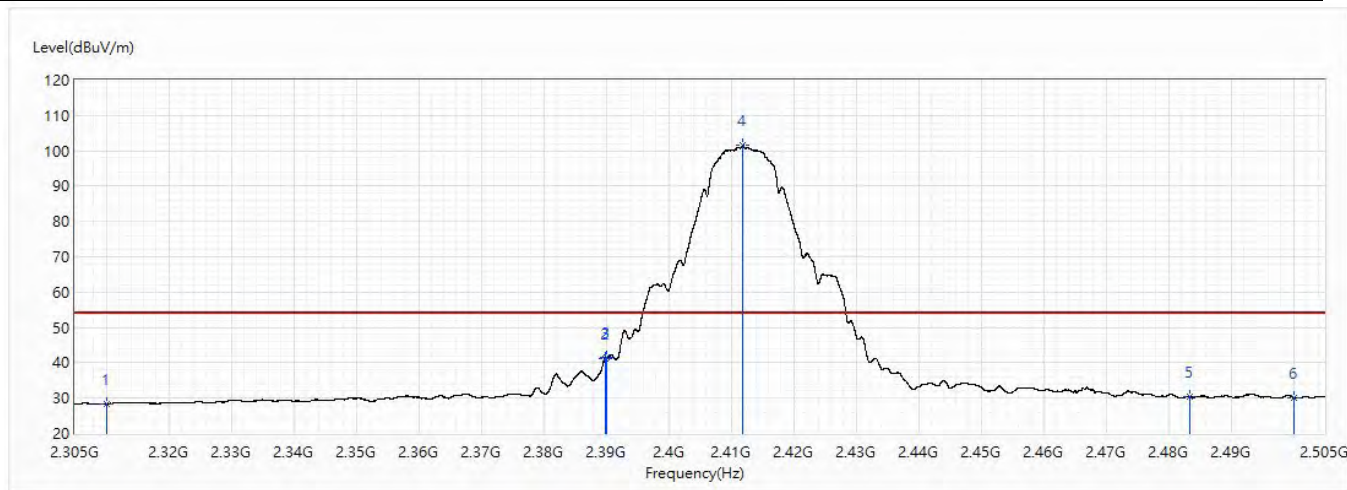


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310	40.68	74.00	-33.32	40.28	0.40	PK
2	2389.85	58.39	74.00	-15.61	57.62	0.77	PK
3	2390	51.92	74.00	-22.08	51.15	0.77	PK
! 4	2412.017	106.72	74.00	32.72	105.85	0.87	PK
5	2483.5	44.57	74.00	-29.43	43.38	1.19	PK
6	2500	43.59	74.00	-30.41	42.34	1.25	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.

Site :	CB4-H	Engineer :	Max
Model No :	CP111D	Test Date :	2019/5/2
Test Voltage :	AC 120V/60Hz	Polarity :	Horizontal
Test Mode :	Mode 1: Transmit Mode		
Note :	802.11b_2412MHz		
Environmental Condition:	Temperature (°C) : 23.5 ; Relative Humidity (%RH) : 62		

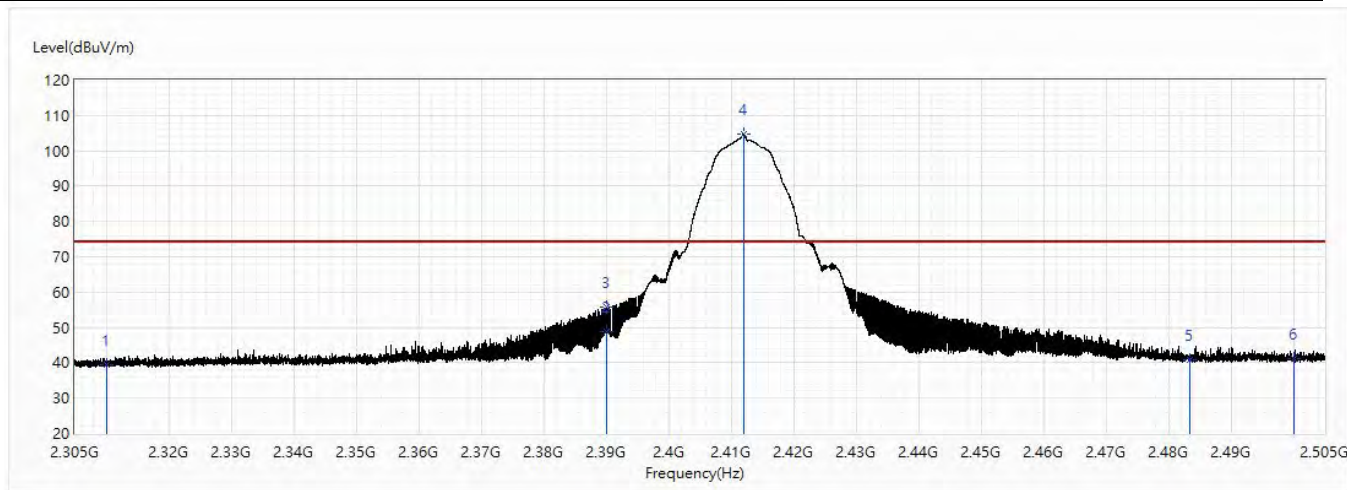


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310	28.38	54.00	-25.62	27.98	0.40	AV
2	2389.817	41.12	54.00	-12.88	40.35	0.77	AV
3	2390	41.46	54.00	-12.54	40.69	0.77	AV
! 4	2411.95	101.45	54.00	47.45	100.58	0.87	AV
5	2483.5	30.40	54.00	-23.60	29.21	1.19	AV
6	2500	30.14	54.00	-23.86	28.89	1.25	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.

Site :	CB4-H	Engineer :	Max
Model No :	CP111D	Test Date :	2019/5/2
Test Voltage :	AC 120V/60Hz	Polarity :	Vertical
Test Mode :	Mode 1: Transmit Mode		
Note :	802.11b_2412MHz		
Environmental Condition:	Temperature (°C) : 23.5 ; Relative Humidity (%RH) : 62		

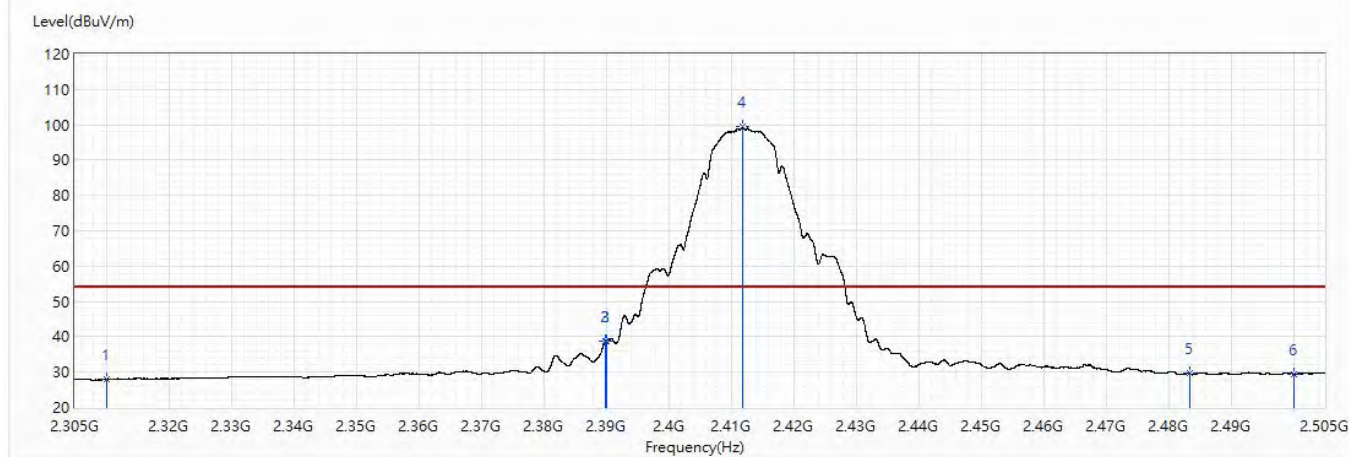


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310	39.53	74.00	-34.47	39.13	0.40	PK
2	2390	48.98	74.00	-25.02	48.21	0.77	PK
3	2390.15	55.62	74.00	-18.38	54.85	0.77	PK
! 4	2412.017	104.62	74.00	30.62	103.75	0.87	PK
5	2483.5	41.00	74.00	-33.00	39.81	1.19	PK
6	2500	41.15	74.00	-32.85	39.90	1.25	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.

Site :	CB4-H	Engineer :	Max
Model No :	CP111D	Test Date :	2019/5/2
Test Voltage :	AC 120V/60Hz	Polarity :	Vertical
Test Mode :	Mode 1: Transmit Mode		
Note :	802.11b_2412MHz		
Environmental Condition:	Temperature (°C) : 23.5 ; Relative Humidity (%RH) : 62		

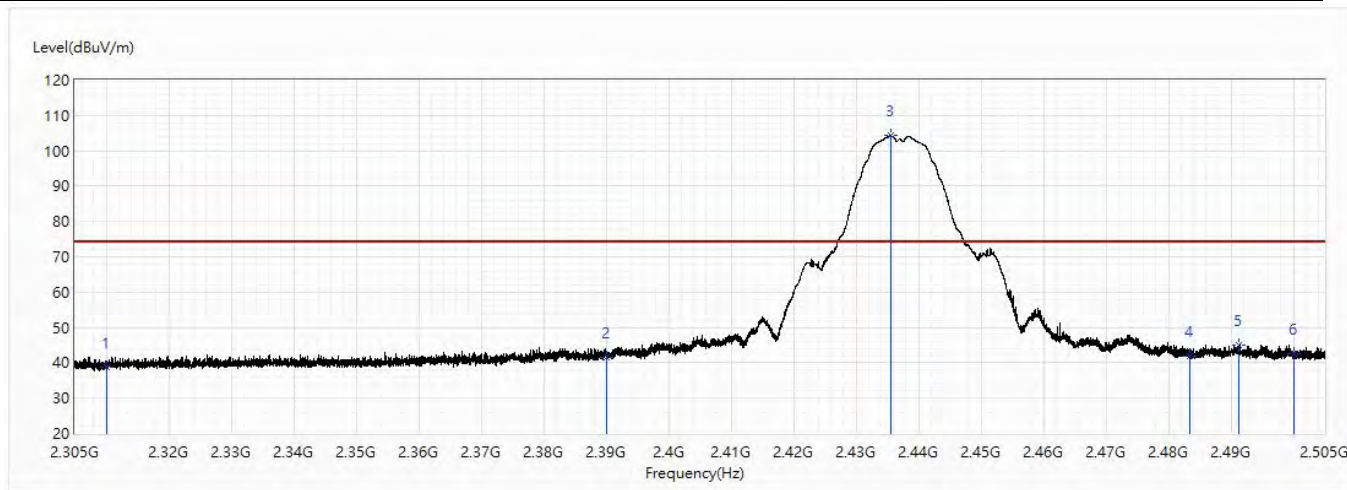


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310	27.85	54.00	-26.15	27.45	0.40	AV
2	2389.85	38.71	54.00	-15.29	37.94	0.77	AV
3	2390	38.91	54.00	-15.09	38.14	0.77	AV
! 4	2411.933	99.39	54.00	45.39	98.52	0.87	AV
5	2483.5	29.58	54.00	-24.42	28.39	1.19	AV
6	2500	29.48	54.00	-24.52	28.23	1.25	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.

Site :	CB4-H	Engineer :	Max
Model No :	CP111D	Test Date :	2019/5/2
Test Voltage :	AC 120V/60Hz	Polarity :	Horizontal
Test Mode :	Mode 1: Transmit Mode		
Note :	802.11b_2437MHz		
Environmental Condition:	Temperature (°C) : 23.5 ; Relative Humidity (%RH) : 62		

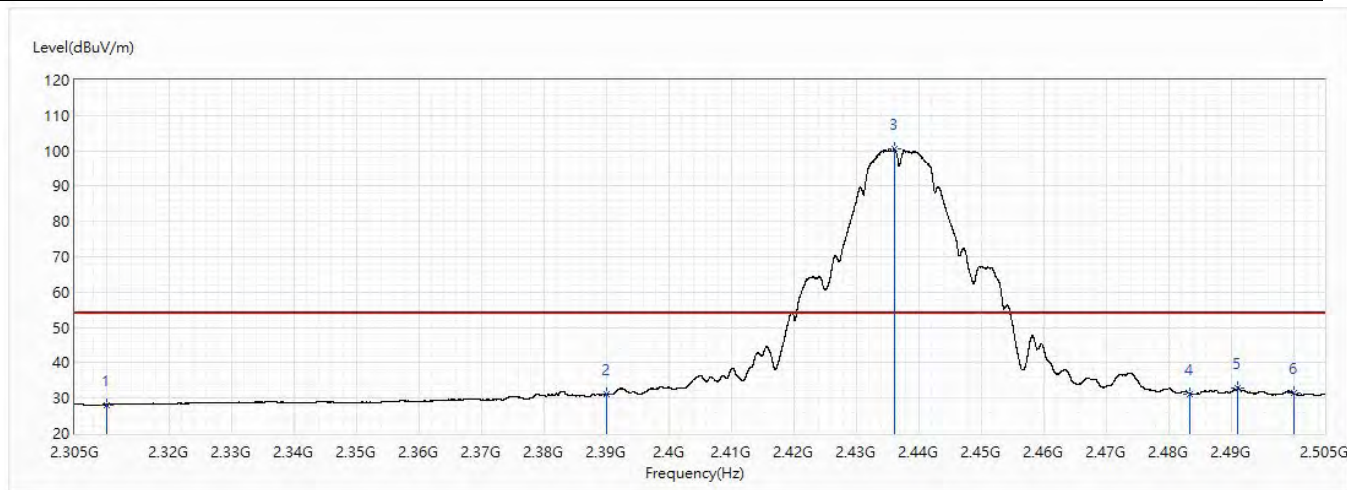


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310	38.73	74.00	-35.27	38.33	0.40	PK
2	2390	41.42	74.00	-32.58	40.65	0.77	PK
! 3	2435.567	104.24	74.00	30.24	103.25	0.99	PK
4	2483.5	42.02	74.00	-31.98	40.83	1.19	PK
5	2491.183	45.11	74.00	-28.89	43.89	1.22	PK
6	2500	42.50	74.00	-31.50	41.25	1.25	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.

Site :	CB4-H	Engineer :	Max
Model No :	CP111D	Test Date :	2019/5/2
Test Voltage :	AC 120V/60Hz	Polarity :	Horizontal
Test Mode :	Mode 1: Transmit Mode		
Note :	802.11b_2437MHz		
Environmental Condition:	Temperature (°C) : 23.5 ; Relative Humidity (%RH) : 62		

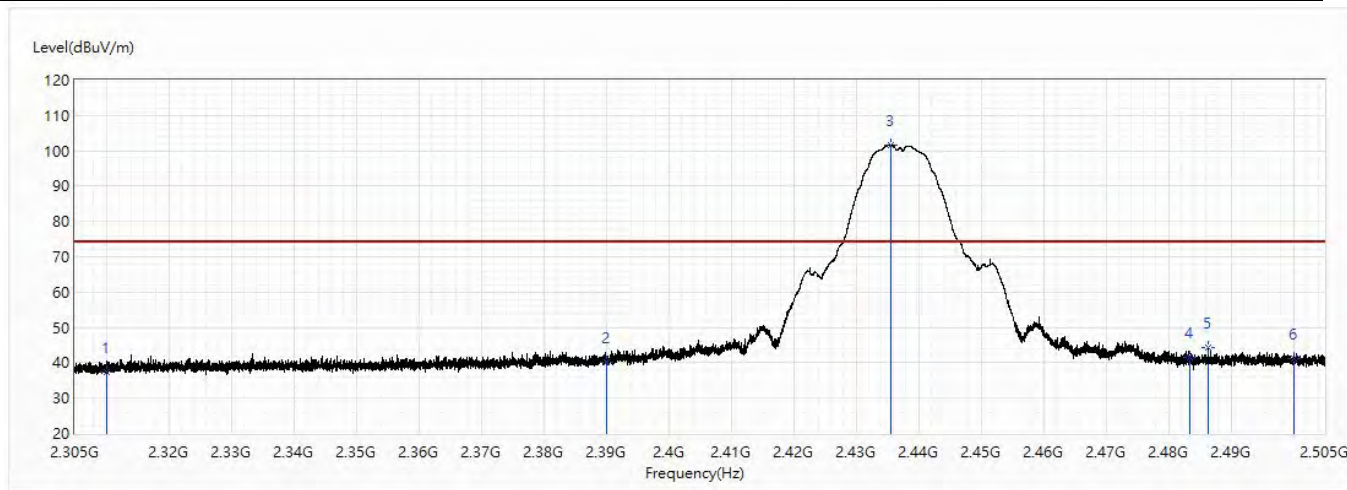


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310	28.15	54.00	-25.85	27.75	0.40	AV
2	2390	31.16	54.00	-22.84	30.39	0.77	AV
! 3	2436.133	100.47	54.00	46.47	99.48	0.99	AV
4	2483.5	31.25	54.00	-22.75	30.06	1.19	AV
5	2491.083	32.89	54.00	-21.11	31.67	1.22	AV
6	2500	31.32	54.00	-22.68	30.07	1.25	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.

Site :	CB4-H	Engineer :	Max
Model No :	CP111D	Test Date :	2019/5/2
Test Voltage :	AC 120V/60Hz	Polarity :	Vertical
Test Mode :	Mode 1: Transmit Mode		
Note :	802.11b_2437MHz		
Environmental Condition:	Temperature (°C) : 23.5 ; Relative Humidity (%RH) : 62		

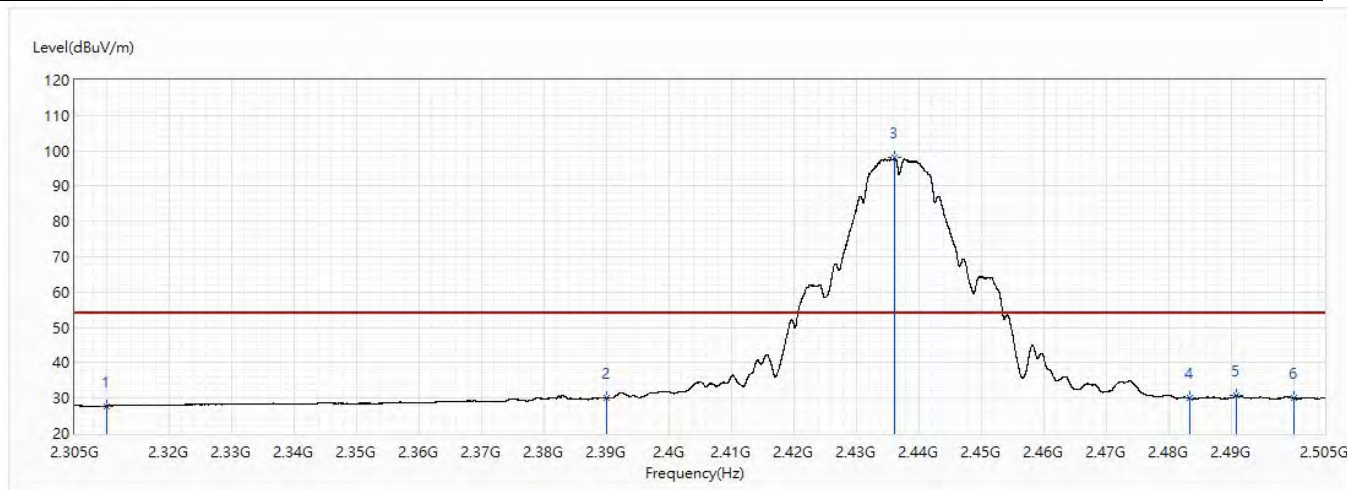


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310	37.29	74.00	-36.71	36.89	0.40	PK
2	2390	40.08	74.00	-33.92	39.31	0.77	PK
! 3	2435.55	101.76	74.00	27.76	100.77	0.99	PK
4	2483.5	41.49	74.00	-32.51	40.30	1.19	PK
5	2486.317	44.22	74.00	-29.78	43.02	1.20	PK
6	2500	41.25	74.00	-32.75	40.00	1.25	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.

Site :	CB4-H	Engineer :	Max
Model No :	CP111D	Test Date :	2019/5/2
Test Voltage :	AC 120V/60Hz	Polarity :	Vertical
Test Mode :	Mode 1: Transmit Mode		
Note :	802.11b_2437MHz		
Environmental Condition:	Temperature (°C) : 23.5 ; Relative Humidity (%RH) : 62		

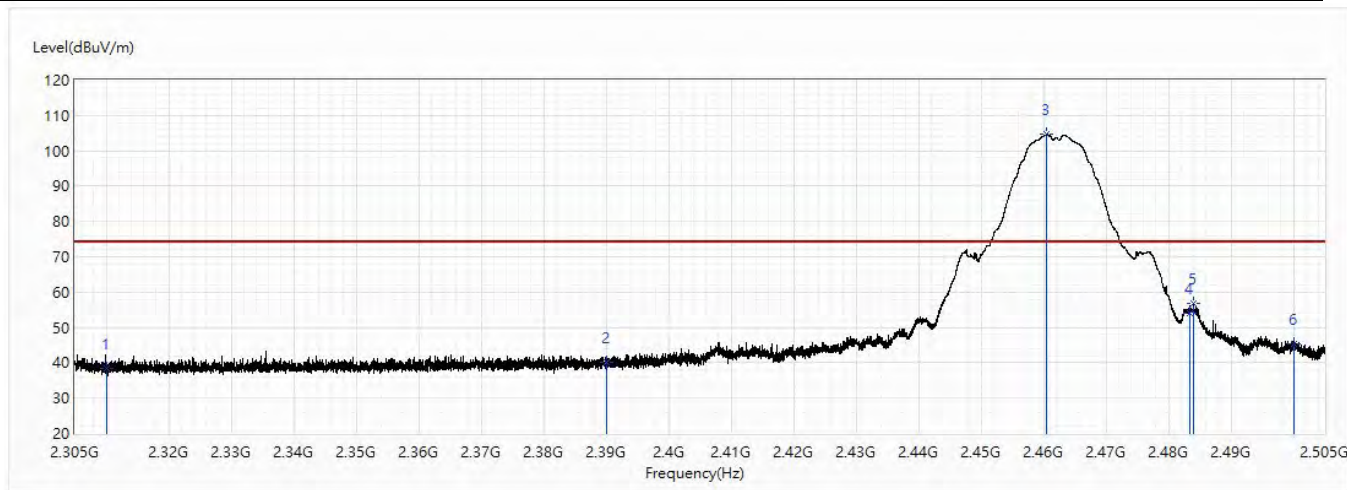


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310	27.79	54.00	-26.21	27.39	0.40	AV
2	2390	30.14	54.00	-23.86	29.37	0.77	AV
! 3	2436.183	98.01	54.00	44.01	97.02	0.99	AV
4	2483.5	29.95	54.00	-24.05	28.76	1.19	AV
5	2490.95	30.87	54.00	-23.13	29.65	1.22	AV
6	2500	29.98	54.00	-24.02	28.73	1.25	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.

Site :	CB4-H	Engineer :	Max
Model No :	CP111D	Test Date :	2019/5/2
Test Voltage :	AC 120V/60Hz	Polarity :	Horizontal
Test Mode :	Mode 1: Transmit Mode		
Note :	802.11b_2462MHz		
Environmental Condition:	Temperature (°C) : 23.5 ; Relative Humidity (%RH) : 62		

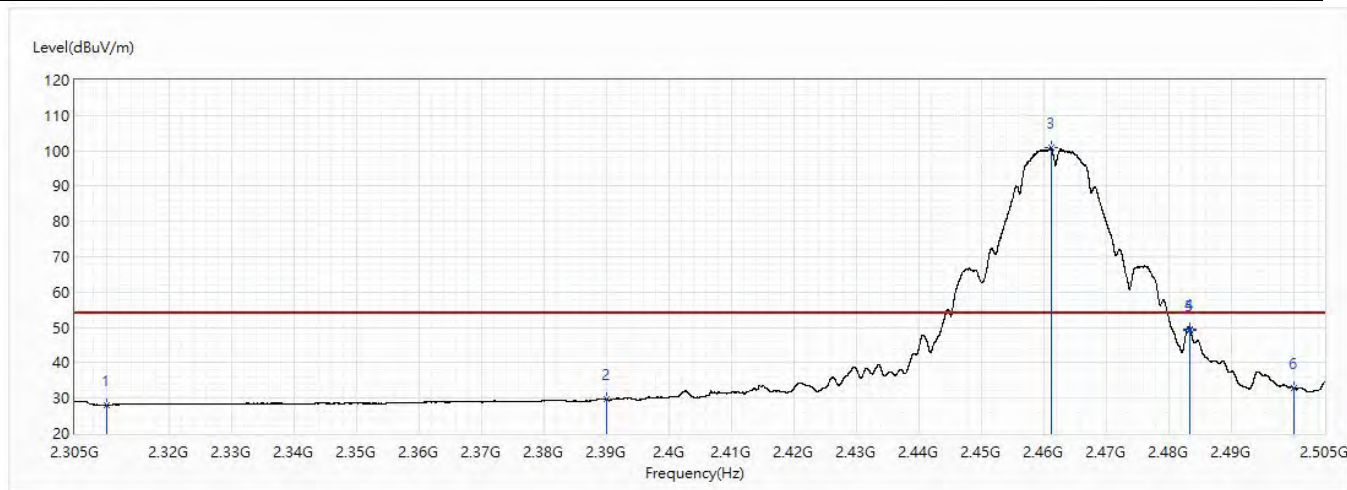


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310	38.24	74.00	-35.76	37.84	0.40	PK
2	2390	40.03	74.00	-33.97	39.26	0.77	PK
! 3	2460.583	104.57	74.00	30.57	103.47	1.10	PK
4	2483.5	54.14	74.00	-19.86	52.95	1.19	PK
5	2484.017	56.87	74.00	-17.13	55.68	1.19	PK
6	2500	45.35	74.00	-28.65	44.10	1.25	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.

Site :	CB4-H	Engineer :	Max
Model No :	CP111D	Test Date :	2019/5/2
Test Voltage :	AC 120V/60Hz	Polarity :	Horizontal
Test Mode :	Mode 1: Transmit Mode		
Note :	802.11b_2462MHz		
Environmental Condition:	Temperature (°C) : 23.5 ; Relative Humidity (%RH) : 62		

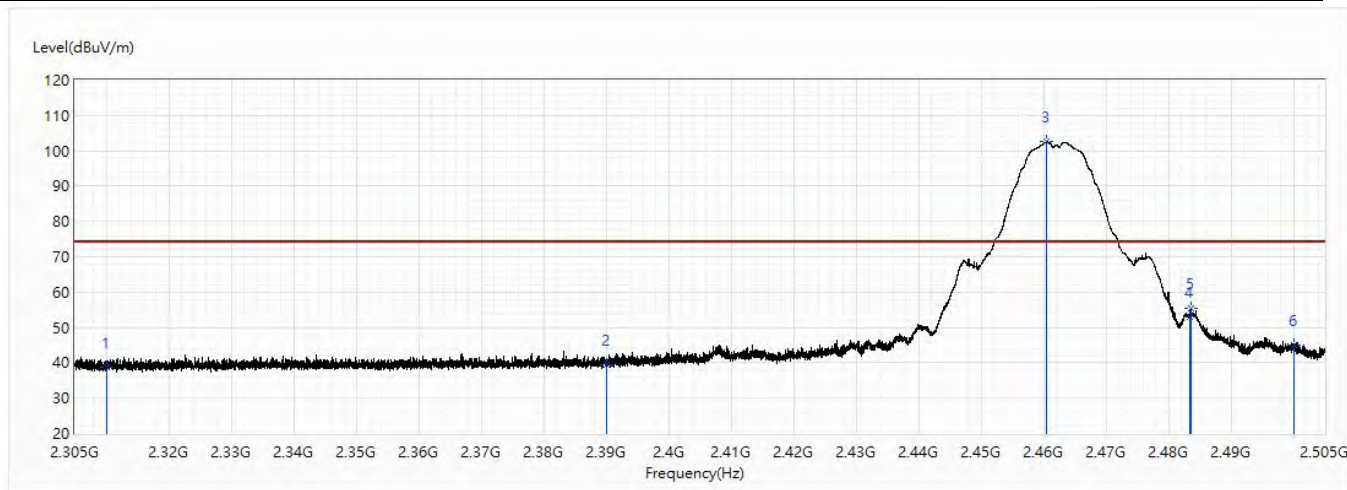


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310	28.06	54.00	-25.94	27.66	0.40	AV
2	2390	29.60	54.00	-24.40	28.83	0.77	AV
! 3	2461.2	100.76	54.00	46.76	99.66	1.10	AV
4	2483.5	49.39	54.00	-4.61	48.20	1.19	AV
5	2483.517	49.28	54.00	-4.72	48.09	1.19	AV
6	2500	32.91	54.00	-21.09	31.66	1.25	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.

Site :	CB4-H	Engineer :	Max
Model No :	CP111D	Test Date :	2019/5/2
Test Voltage :	AC 120V/60Hz	Polarity :	Vertical
Test Mode :	Mode 1: Transmit Mode		
Note :	802.11b_2462MHz		
Environmental Condition:	Temperature (°C) : 23.5 ; Relative Humidity (%RH) : 62		

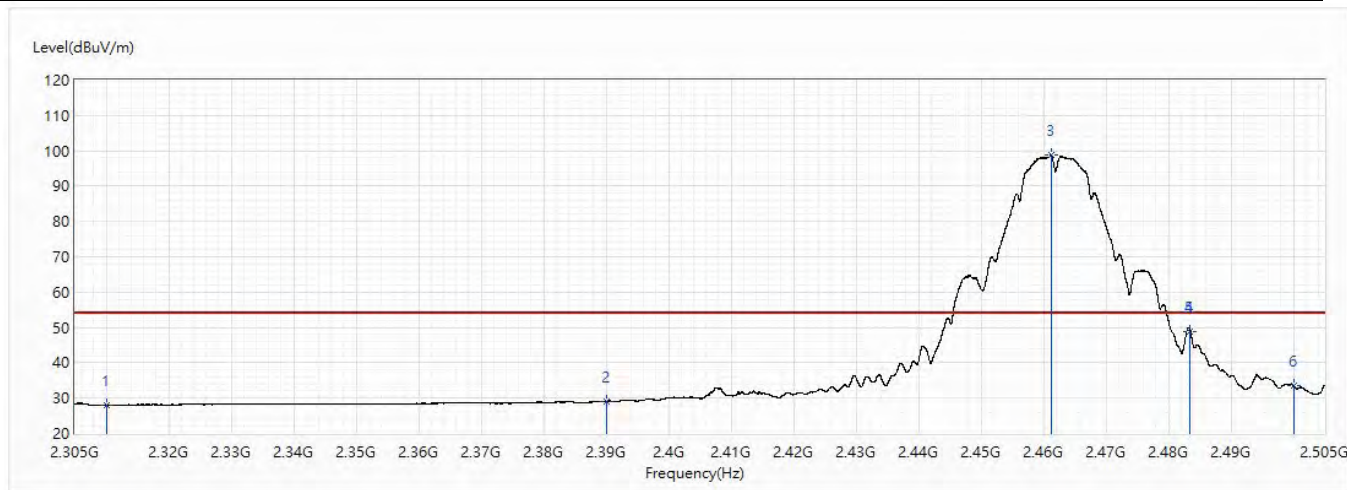


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310	38.88	74.00	-35.12	38.48	0.40	PK
2	2390	39.60	74.00	-34.40	38.83	0.77	PK
! 3	2460.567	102.48	74.00	28.48	101.38	1.10	PK
4	2483.5	53.10	74.00	-20.90	51.91	1.19	PK
5	2483.667	55.46	74.00	-18.54	54.27	1.19	PK
6	2500	45.07	74.00	-28.93	43.82	1.25	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.

Site :	CB4-H	Engineer :	Max
Model No :	CP111D	Test Date :	2019/5/2
Test Voltage :	AC 120V/60Hz	Polarity :	Vertical
Test Mode :	Mode 1: Transmit Mode		
Note :	802.11b_2462MHz		
Environmental Condition:	Temperature (°C) : 23.5 ; Relative Humidity (%RH) : 62		

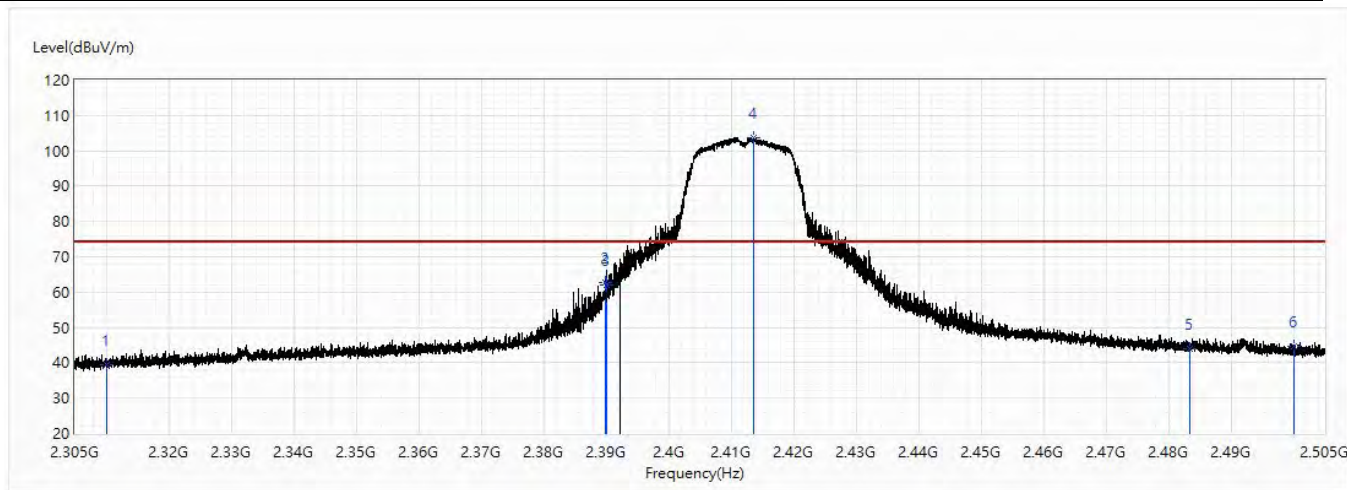


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310	27.89	54.00	-26.11	27.49	0.40	AV
2	2390	29.11	54.00	-24.89	28.34	0.77	AV
! 3	2461.2	98.72	54.00	44.72	97.62	1.10	AV
4	2483.5	48.99	54.00	-5.01	47.80	1.19	AV
5	2483.517	48.86	54.00	-5.14	47.67	1.19	AV
6	2500	33.42	54.00	-20.58	32.17	1.25	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.

Site :	CB4-H	Engineer :	Max
Model No :	CP111D	Test Date :	2019/5/2
Test Voltage :	AC 120V/60Hz	Polarity :	Horizontal
Test Mode :	Mode 1: Transmit Mode		
Note :	802.11g_2412MHz		
Environmental Condition:	Temperature (°C) : 23.5 ; Relative Humidity (%RH) : 62		

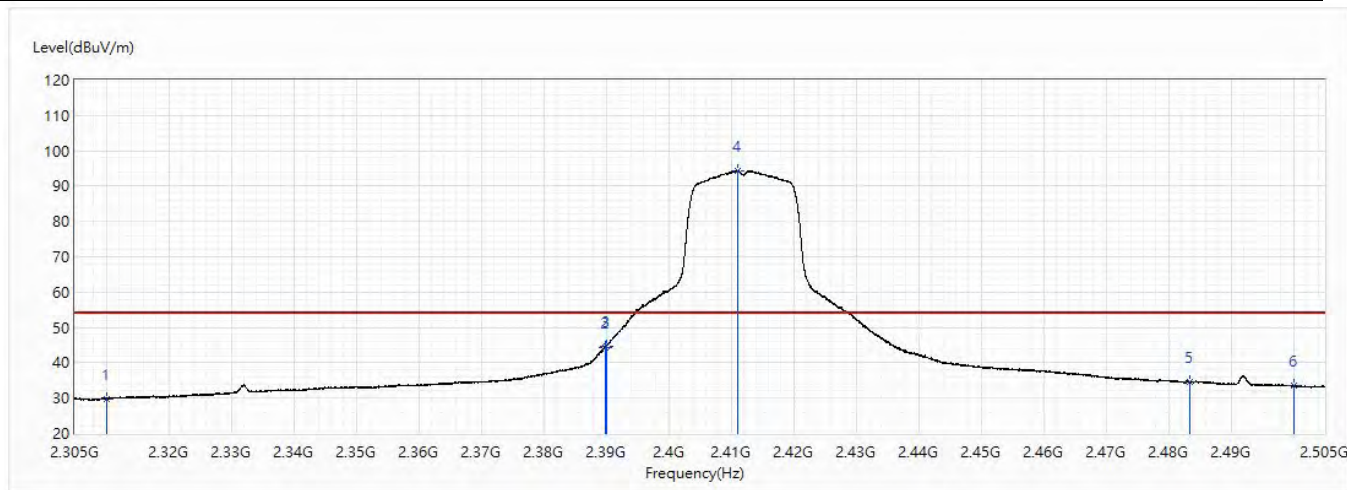


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310	39.39	74.00	-34.61	38.99	0.40	PK
2	2389.883	62.64	74.00	-11.36	61.87	0.77	PK
3	2390	61.96	74.00	-12.04	61.19	0.77	PK
! 4	2413.633	103.80	74.00	29.80	102.92	0.88	PK
5	2483.5	44.12	74.00	-29.88	42.93	1.19	PK
6	2500	44.81	74.00	-29.19	43.56	1.25	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.

Site :	CB4-H	Engineer :	Max
Model No :	CP111D	Test Date :	2019/5/2
Test Voltage :	AC 120V/60Hz	Polarity :	Horizontal
Test Mode :	Mode 1: Transmit Mode		
Note :	802.11g_2412MHz		
Environmental Condition:	Temperature (°C) : 23.5 ; Relative Humidity (%RH) : 62		

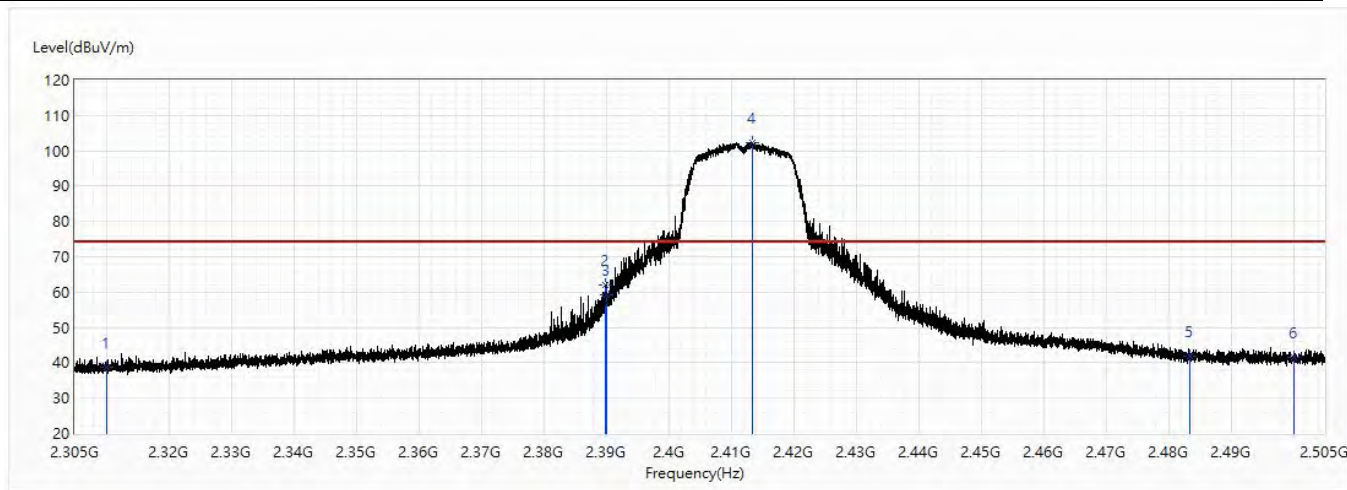


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310	29.77	54.00	-24.23	29.37	0.40	PK
2	2389.817	44.29	54.00	-9.71	43.52	0.77	PK
3	2390	44.68	54.00	-9.32	43.91	0.77	PK
! 4	2411.067	94.37	54.00	40.37	93.50	0.87	PK
5	2483.5	34.41	54.00	-19.59	33.22	1.19	PK
6	2500	33.39	54.00	-20.61	32.14	1.25	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.

Site :	CB4-H	Engineer :	Max
Model No :	CP111D	Test Date :	2019/5/2
Test Voltage :	AC 120V/60Hz	Polarity :	Vertical
Test Mode :	Mode 1: Transmit Mode		
Note :	802.11g_2412MHz		
Environmental Condition:	Temperature (°C) : 23.5 ; Relative Humidity (%RH) : 62		

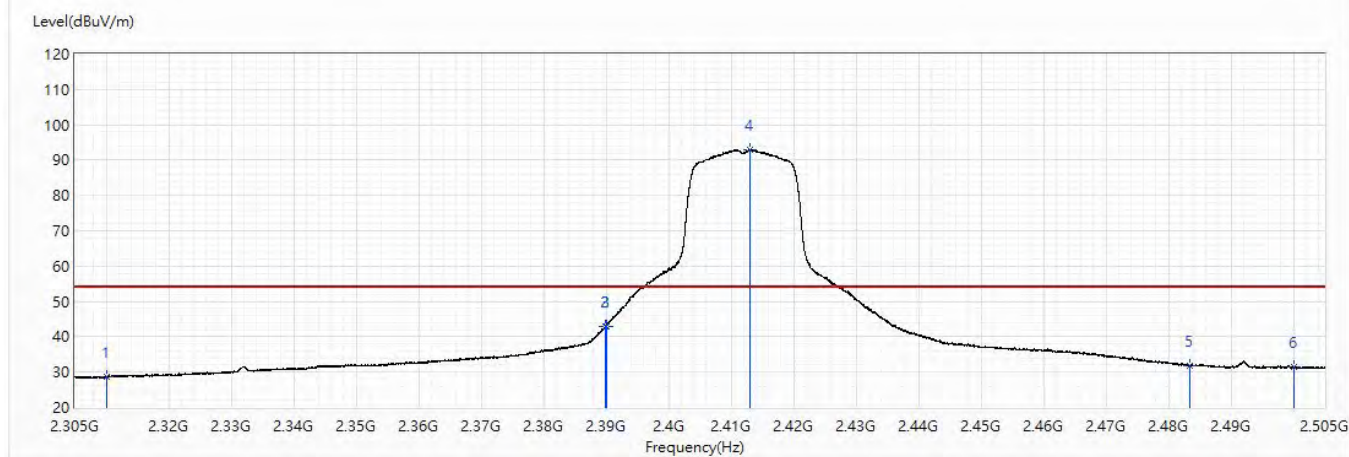


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310	38.74	74.00	-35.26	38.34	0.40	PK
2	2389.933	61.90	74.00	-12.10	61.13	0.77	PK
3	2390	59.35	74.00	-14.65	58.58	0.77	PK
! 4	2413.4	102.28	74.00	28.28	101.40	0.88	PK
5	2483.5	41.81	74.00	-32.19	40.62	1.19	PK
6	2500	41.38	74.00	-32.62	40.13	1.25	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.

Site :	CB4-H	Engineer :	Max
Model No :	CP111D	Test Date :	2019/5/2
Test Voltage :	AC 120V/60Hz	Polarity :	Vertical
Test Mode :	Mode 1: Transmit Mode		
Note :	802.11g_2412MHz		
Environmental Condition:	Temperature (°C) : 23.5 ; Relative Humidity (%RH) : 62		

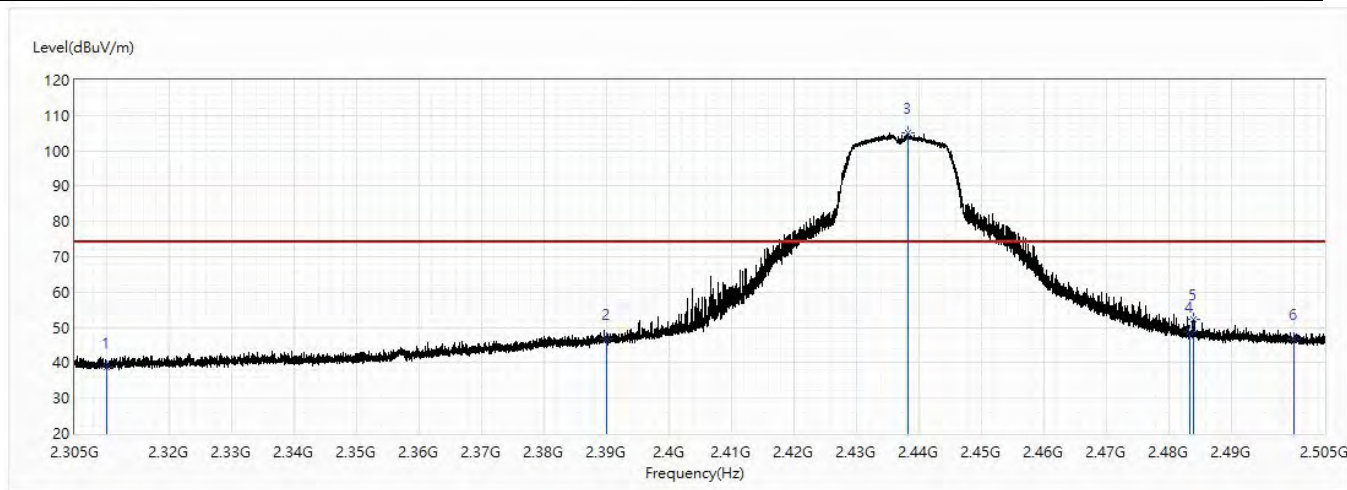


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310	28.58	54.00	-25.42	28.18	0.40	PK
2	2389.867	42.87	54.00	-11.13	42.10	0.77	PK
3	2390	42.93	54.00	-11.07	42.16	0.77	PK
! 4	2413	92.95	54.00	38.95	92.07	0.88	PK
5	2483.5	31.92	54.00	-22.08	30.73	1.19	PK
6	2500	31.43	54.00	-22.57	30.18	1.25	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.

Site :	CB4-H	Engineer :	Max
Model No :	CP111D	Test Date :	2019/5/2
Test Voltage :	AC 120V/60Hz	Polarity :	Horizontal
Test Mode :	Mode 1: Transmit Mode		
Note :	802.11g_2437MHz		
Environmental Condition:	Temperature (°C) : 23.5 ; Relative Humidity (%RH) : 62		

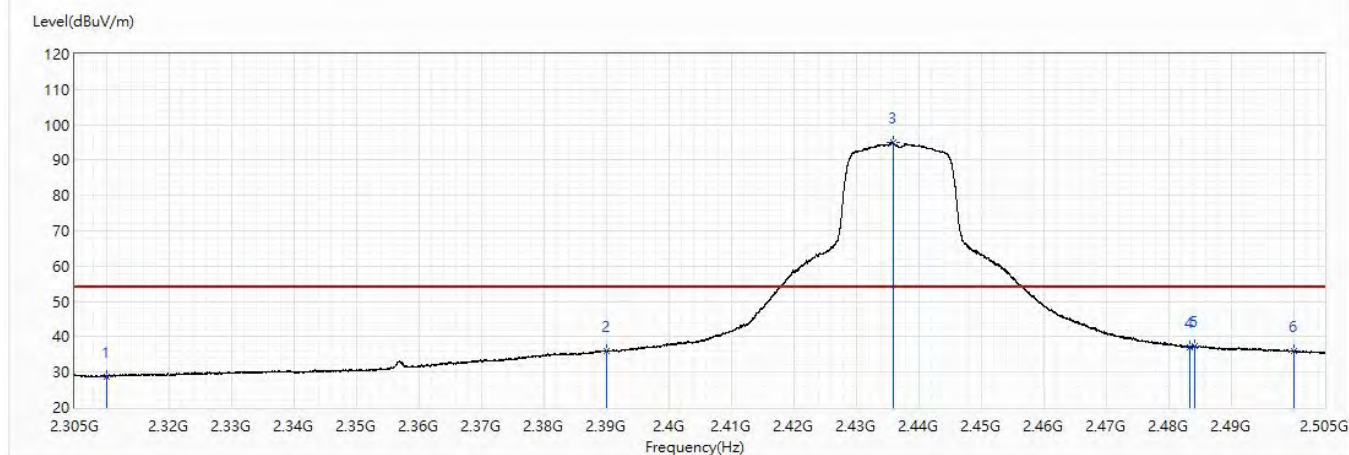


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310	38.58	74.00	-35.42	38.18	0.40	PK
2	2390	46.57	74.00	-27.43	45.80	0.77	PK
! 3	2438.4	105.01	74.00	31.01	104.01	1.00	PK
4	2483.5	48.84	74.00	-25.16	47.65	1.19	PK
5	2484.05	52.36	74.00	-21.64	51.17	1.19	PK
6	2500	46.58	74.00	-27.42	45.33	1.25	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.

Site :	CB4-H	Engineer :	Max
Model No :	CP111D	Test Date :	2019/5/2
Test Voltage :	AC 120V/60Hz	Polarity :	Horizontal
Test Mode :	Mode 1: Transmit Mode		
Note :	802.11g_2437MHz		
Environmental Condition:	Temperature (°C) : 23.5 ; Relative Humidity (%RH) : 62		

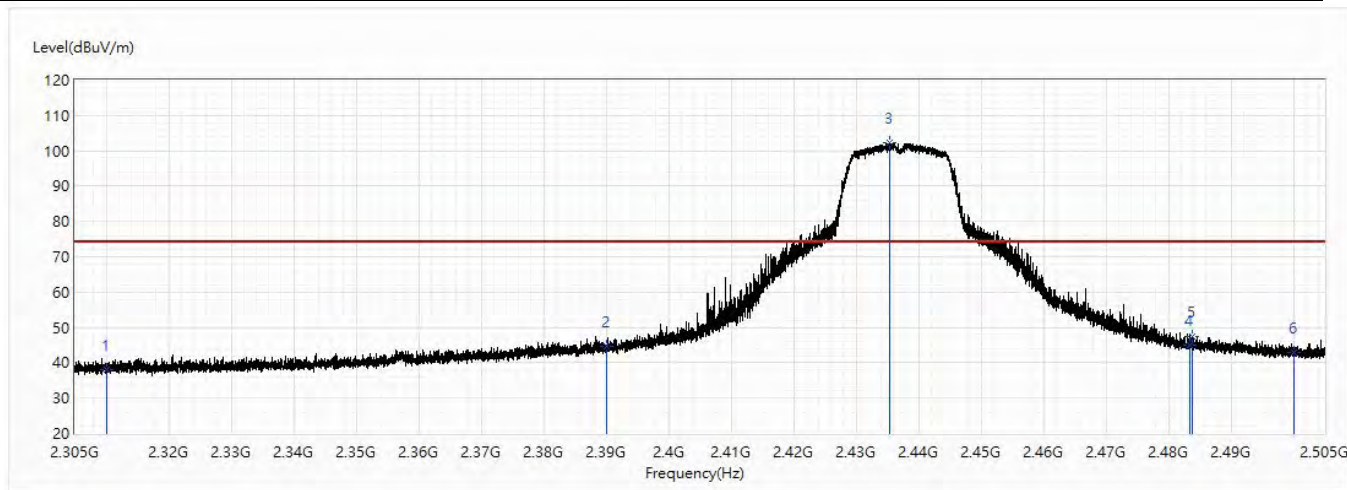


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310	28.82	54.00	-25.18	28.42	0.40	AV
2	2390	36.04	54.00	-17.96	35.27	0.77	AV
! 3	2435.917	95.02	54.00	41.02	94.03	0.99	AV
4	2483.5	36.96	54.00	-17.04	35.77	1.19	AV
5	2484.167	37.31	54.00	-16.69	36.12	1.19	AV
6	2500	35.95	54.00	-18.05	34.70	1.25	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.

Site :	CB4-H	Engineer :	Max
Model No :	CP111D	Test Date :	2019/5/2
Test Voltage :	AC 120V/60Hz	Polarity :	Vertical
Test Mode :	Mode 1: Transmit Mode		
Note :	802.11g_2437MHz		
Environmental Condition:	Temperature (°C) : 23.5 ; Relative Humidity (%RH) : 62		

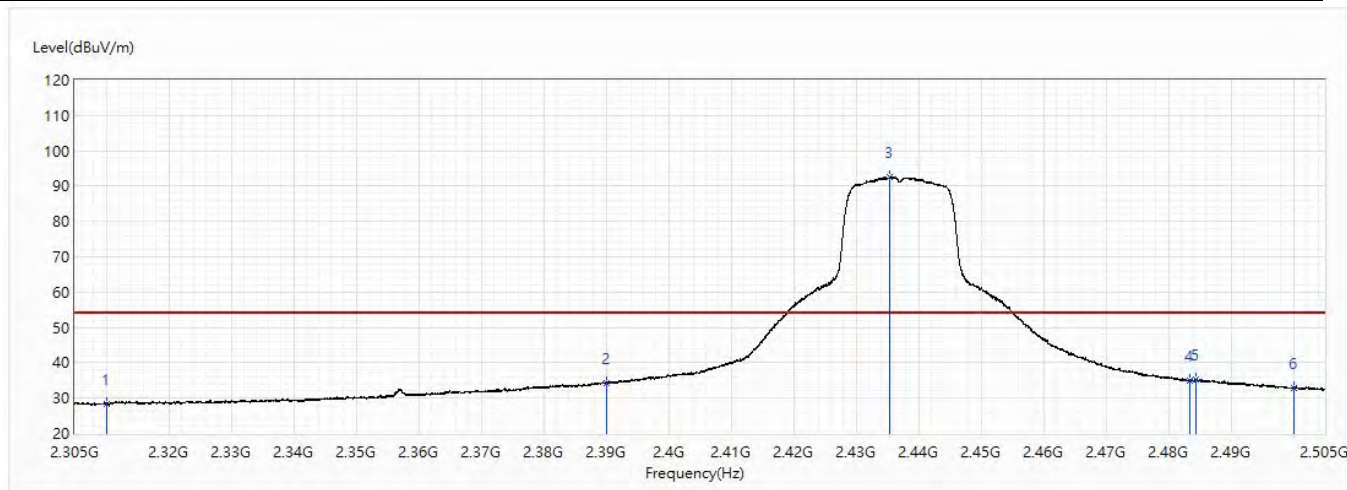


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310	38.22	74.00	-35.78	37.82	0.40	PK
2	2390	44.61	74.00	-29.39	43.84	0.77	PK
! 3	2435.417	102.32	74.00	28.32	101.34	0.98	PK
4	2483.5	45.13	74.00	-28.87	43.94	1.19	PK
5	2483.783	47.58	74.00	-26.42	46.39	1.19	PK
6	2500	42.79	74.00	-31.21	41.54	1.25	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.

Site :	CB4-H	Engineer :	Max
Model No :	CP111D	Test Date :	2019/5/2
Test Voltage :	AC 120V/60Hz	Polarity :	Vertical
Test Mode :	Mode 1: Transmit Mode		
Note :	802.11g_2437MHz		
Environmental Condition:	Temperature (°C) : 23.5 ; Relative Humidity (%RH) : 62		

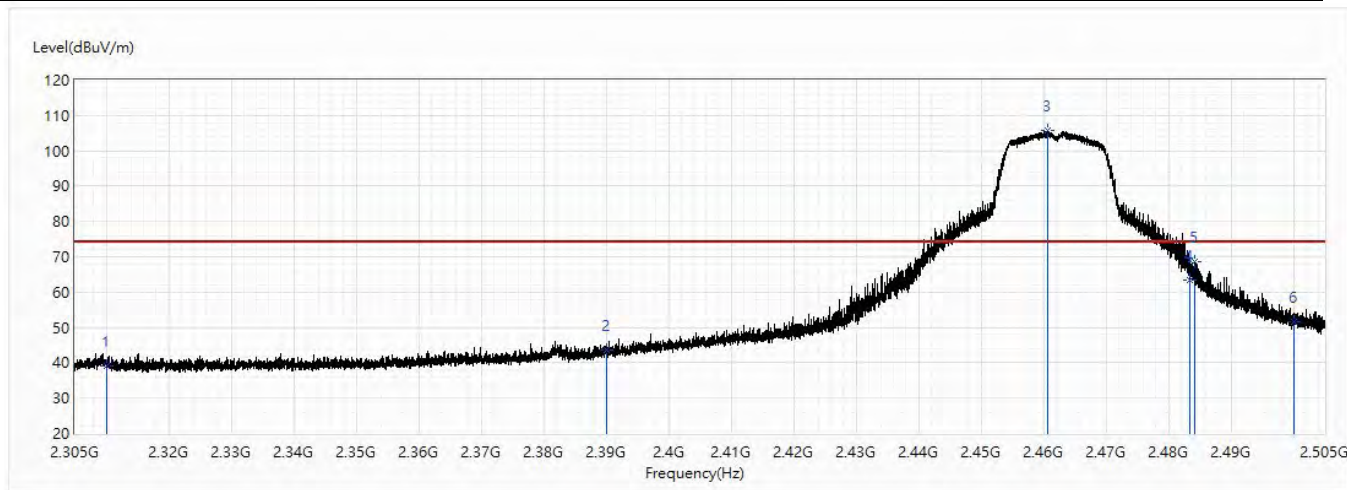


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310	28.47	54.00	-25.53	28.07	0.40	AV
2	2390	34.18	54.00	-19.82	33.41	0.77	AV
! 3	2435.467	92.63	54.00	38.63	91.64	0.99	AV
4	2483.5	35.01	54.00	-18.99	33.82	1.19	AV
5	2484.333	35.26	54.00	-18.74	34.07	1.19	AV
6	2500	32.90	54.00	-21.10	31.65	1.25	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.

Site :	CB4-H	Engineer :	Max
Model No :	CP111D	Test Date :	2019/5/2
Test Voltage :	AC 120V/60Hz	Polarity :	Horizontal
Test Mode :	Mode 1: Transmit Mode		
Note :	802.11g_2462MHz		
Environmental Condition:	Temperature (°C) : 23.5 ; Relative Humidity (%RH) : 62		

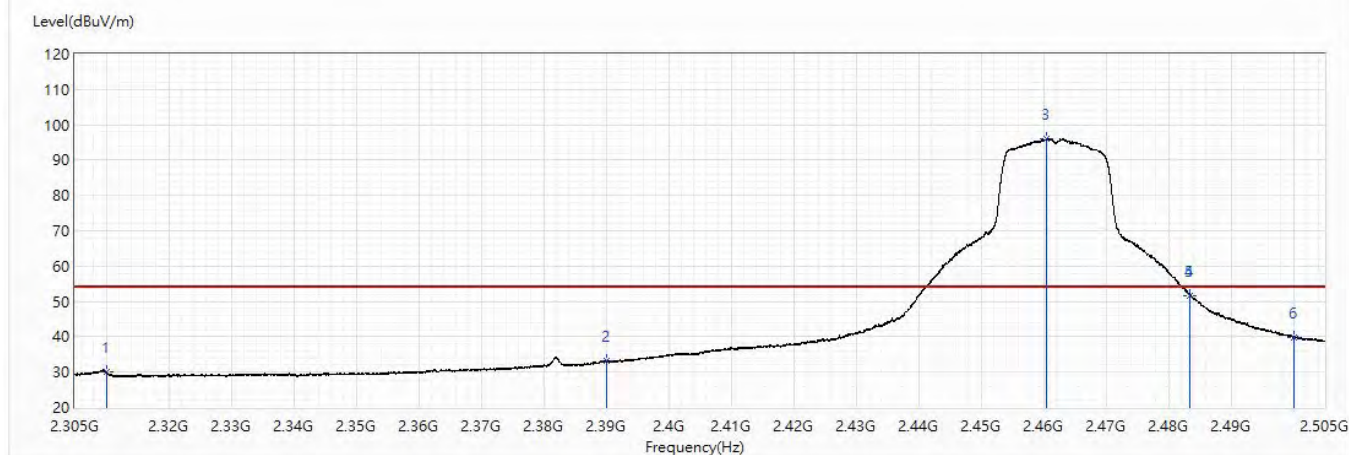


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310	39.18	74.00	-34.82	38.78	0.40	PK
2	2390	43.54	74.00	-30.46	42.77	0.77	PK
! 3	2460.75	105.83	74.00	31.83	104.73	1.10	PK
4	2483.5	63.49	74.00	-10.51	62.30	1.19	PK
5	2484.15	68.72	74.00	-5.28	67.53	1.19	PK
6	2500	51.45	74.00	-22.55	50.20	1.25	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.

Site :	CB4-H	Engineer :	Lion
Model No :	CP111D	Test Date :	2019/5/1
Test Voltage :	AC 120V/60Hz	Polarity :	Horizontal
Test Mode :	Mode 1: Transmit Mode		
Note :	802.11g_2462MHz		
Environmental Condition:	Temperature (°C) : 23.5 ; Relative Humidity (%RH) : 62		

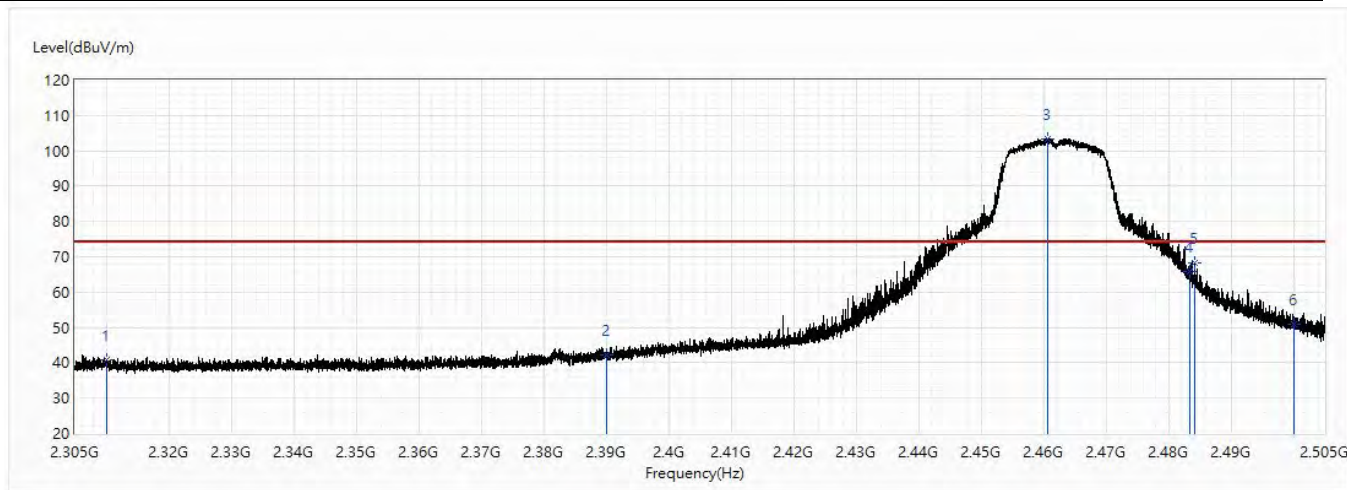


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310	30.08	54.00	-23.92	29.68	0.40	AV
2	2390	33.03	54.00	-20.97	32.26	0.77	AV
! 3	2460.583	96.08	54.00	42.08	94.98	1.10	AV
4	2483.5	51.75	54.00	-2.25	50.56	1.19	AV
5	2483.517	51.71	54.00	-2.29	50.52	1.19	AV
6	2500	39.93	54.00	-14.07	38.68	1.25	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.

Site :	CB4-H	Engineer :	Max
Model No :	CP111D	Test Date :	2019/5/2
Test Voltage :	AC 120V/60Hz	Polarity :	Vertical
Test Mode :	Mode 1: Transmit Mode		
Note :	802.11g_2462MHz		
Environmental Condition:	Temperature (°C) : 23.5 ; Relative Humidity (%RH) : 62		

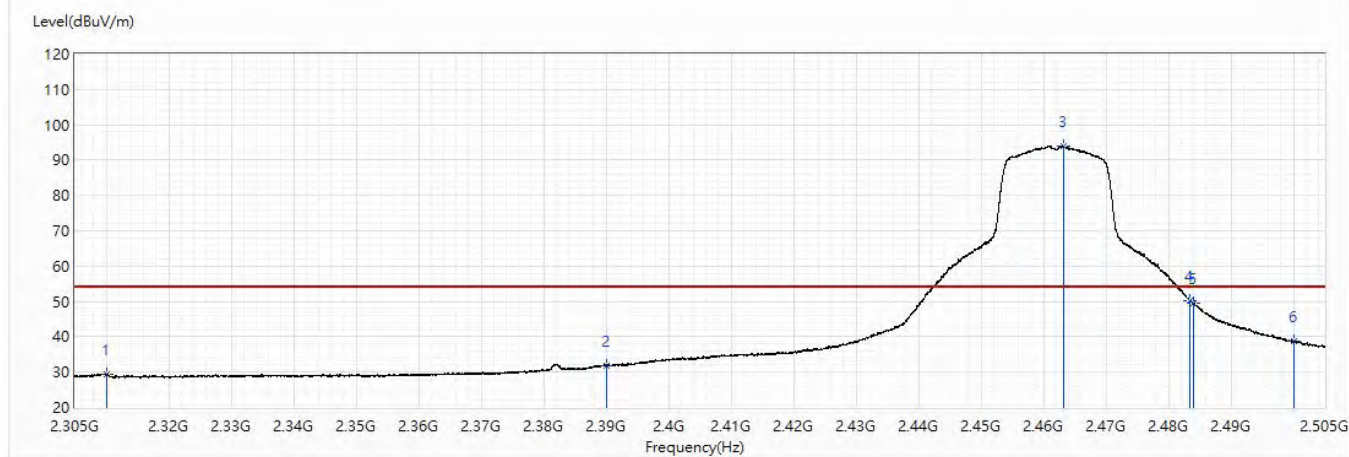


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310	40.74	74.00	-33.26	40.34	0.40	PK
2	2390	42.26	74.00	-31.74	41.49	0.77	PK
! 3	2460.6	103.50	74.00	29.50	102.40	1.10	PK
4	2483.5	65.79	74.00	-8.21	64.60	1.19	PK
5	2484.267	68.37	74.00	-5.63	67.18	1.19	PK
6	2500	51.00	74.00	-23.00	49.75	1.25	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.

Site :	CB4-H	Engineer :	Max
Model No :	CP111D	Test Date :	2019/5/2
Test Voltage :	AC 120V/60Hz	Polarity :	Vertical
Test Mode :	Mode 1: Transmit Mode		
Note :	802.11g_2462MHz		
Environmental Condition:	Temperature (°C) : 23.5 ; Relative Humidity (%RH) : 62		

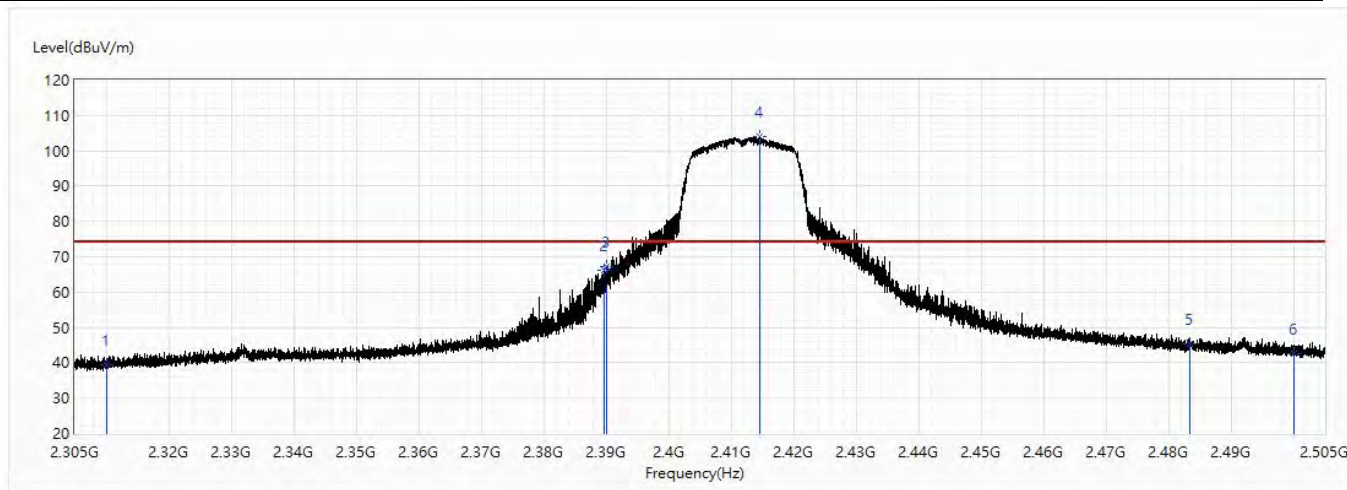


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310	29.24	54.00	-24.76	28.84	0.40	AV
2	2390	31.83	54.00	-22.17	31.06	0.77	AV
! 3	2463.25	94.07	54.00	40.07	92.97	1.10	AV
4	2483.5	50.15	54.00	-3.85	48.96	1.19	AV
5	2483.983	49.63	54.00	-4.37	48.44	1.19	AV
6	2500	38.61	54.00	-15.39	37.36	1.25	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.

Site :	CB4-H	Engineer :	Max
Model No :	CP111D	Test Date :	2019/5/2
Test Voltage :	AC 120V/60Hz	Polarity :	Horizontal
Test Mode :	Mode 1: Transmit Mode		
Note :	802.11n20_2412MHz		
Environmental Condition:	Temperature (°C) : 23.5 ; Relative Humidity (%RH) : 62		

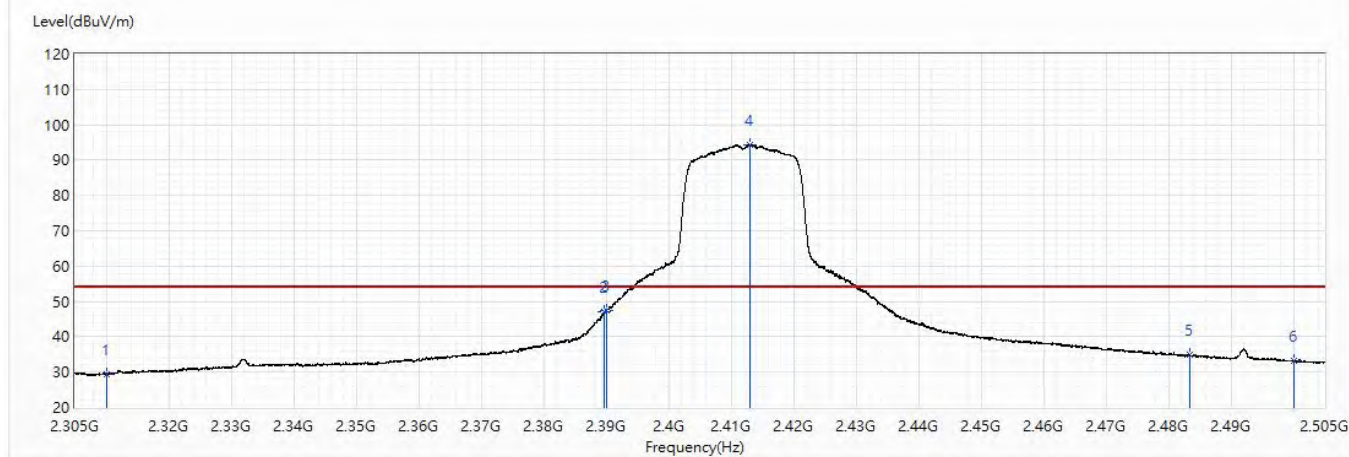


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310	39.48	74.00	-34.52	39.08	0.40	PK
2	2389.667	66.17	74.00	-7.83	65.40	0.77	PK
3	2390	67.07	74.00	-6.93	66.30	0.77	PK
! 4	2414.583	104.14	74.00	30.14	103.25	0.89	PK
5	2483.5	45.19	74.00	-28.81	44.00	1.19	PK
6	2500	42.74	74.00	-31.26	41.49	1.25	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.

Site :	CB4-H	Engineer :	Max
Model No :	CP111D	Test Date :	2019/5/2
Test Voltage :	AC 120V/60Hz	Polarity :	Horizontal
Test Mode :	Mode 1: Transmit Mode		
Note :	802.11n20_2412MHz		
Environmental Condition:	Temperature (°C) : 23.5 ; Relative Humidity (%RH) : 62		

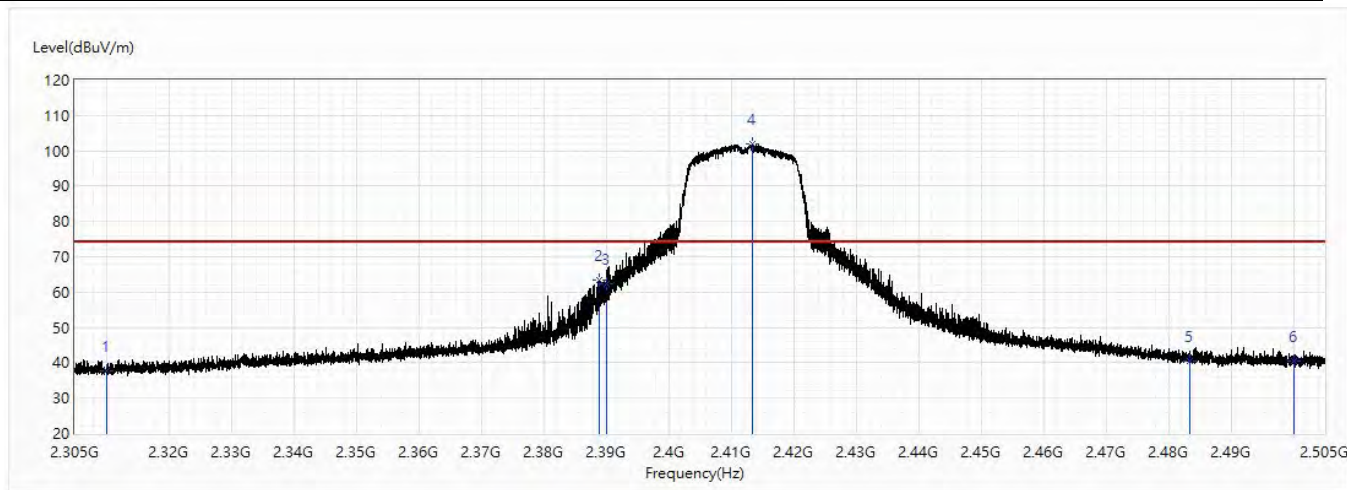


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310	29.33	54.00	-24.67	28.93	0.40	AV
2	2389.767	46.98	54.00	-7.02	46.21	0.77	AV
3	2390	47.38	54.00	-6.62	46.61	0.77	AV
! 4	2413.117	94.43	54.00	40.43	93.55	0.88	AV
5	2483.5	34.79	54.00	-19.21	33.60	1.19	AV
6	2500	33.13	54.00	-20.87	31.88	1.25	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.

Site :	CB4-H	Engineer :	Max
Model No :	CP111D	Test Date :	2019/5/2
Test Voltage :	AC 120V/60Hz	Polarity :	Vertical
Test Mode :	Mode 1: Transmit Mode		
Note :	802.11n20_2412MHz		
Environmental Condition:	Temperature (°C) : 23.5 ; Relative Humidity (%RH) : 62		

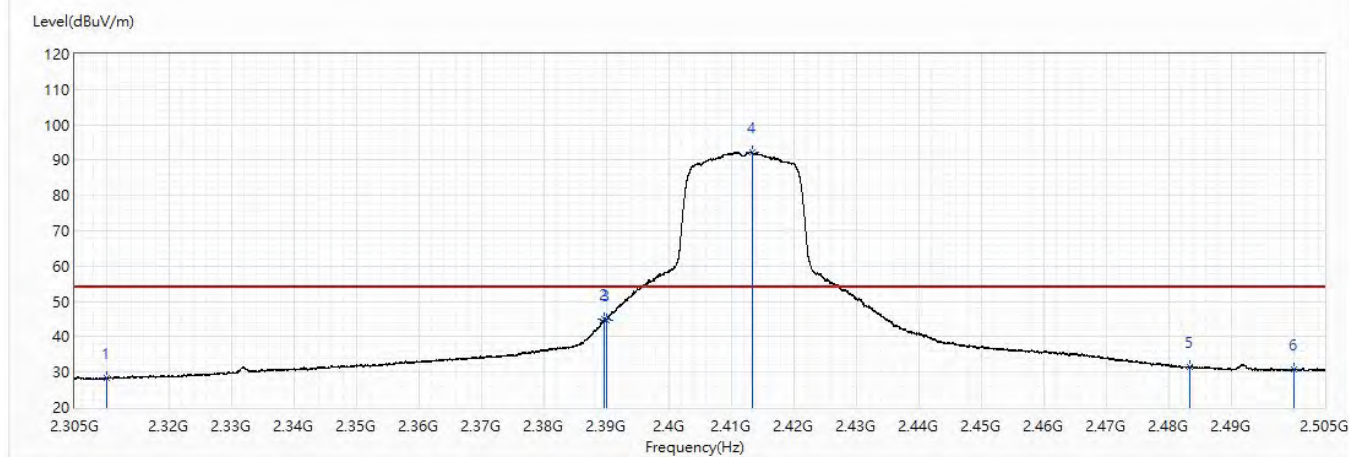


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310	37.70	74.00	-36.30	37.30	0.40	PK
2	2389.017	63.53	74.00	-10.47	62.77	0.76	PK
3	2390	62.50	74.00	-11.50	61.73	0.77	PK
! 4	2413.433	101.82	74.00	27.82	100.94	0.88	PK
5	2483.5	40.63	74.00	-33.37	39.44	1.19	PK
6	2500	40.39	74.00	-33.61	39.14	1.25	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.

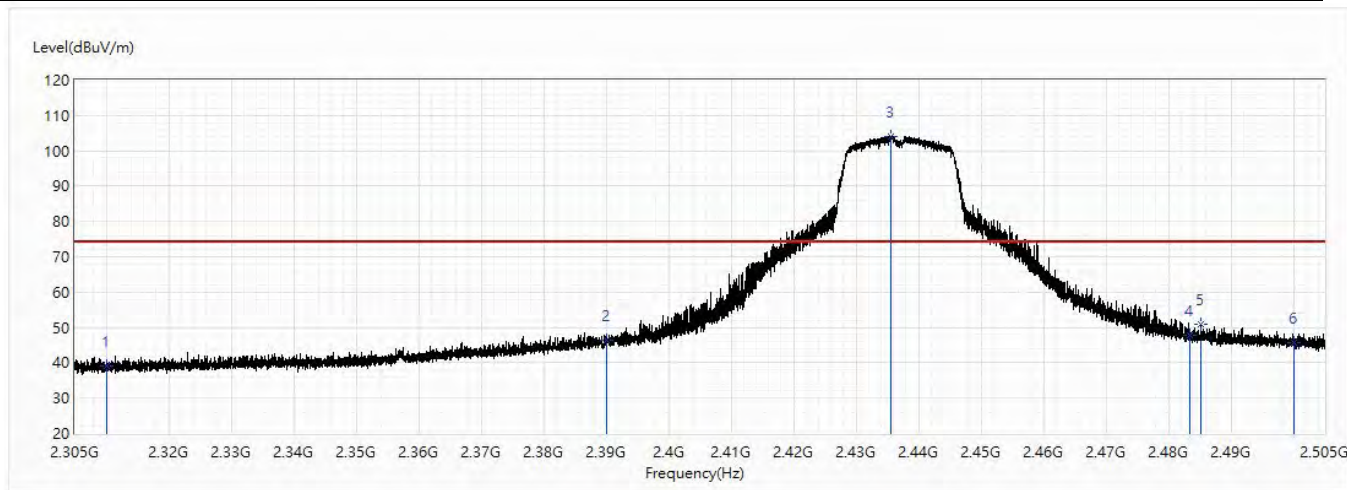
Site :	CB4-H	Engineer :	Max
Model No :	CP111D	Test Date :	2019/5/2
Test Voltage :	AC 120V/60Hz	Polarity :	Vertical
Test Mode :	Mode 1: Transmit Mode		
Note :	802.11n20_2412MHz		
Environmental Condition:	Temperature (°C) : 23.5 ; Relative Humidity (%RH) : 62		



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.

Site :	CB4-H	Engineer :	Max
Model No :	CP111D	Test Date :	2019/5/2
Test Voltage :	AC 120V/60Hz	Polarity :	Horizontal
Test Mode :	Mode 1: Transmit Mode		
Note :	802.11n20_2437MHz		
Environmental Condition:	Temperature (°C) : 23.5 ; Relative Humidity (%RH) : 62		

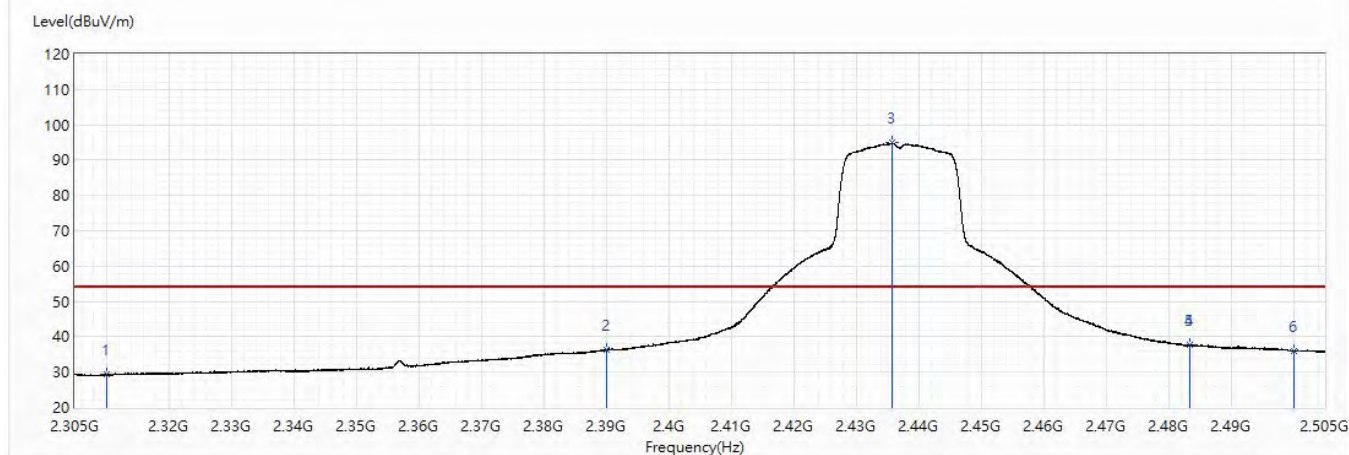


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310	39.23	74.00	-34.77	38.83	0.40	PK
2	2390	46.28	74.00	-27.72	45.51	0.77	PK
! 3	2435.567	104.09	74.00	30.09	103.10	0.99	PK
4	2483.5	47.81	74.00	-26.19	46.62	1.19	PK
5	2485.267	51.02	74.00	-22.98	49.83	1.19	PK
6	2500	45.56	74.00	-28.44	44.31	1.25	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.

Site :	CB4-H	Engineer :	Max
Model No :	CP111D	Test Date :	2019/5/2
Test Voltage :	AC 120V/60Hz	Polarity :	Horizontal
Test Mode :	Mode 1: Transmit Mode		
Note :	802.11n20_2437MHz		
Environmental Condition:	Temperature (°C) : 23.5 ; Relative Humidity (%RH) : 62		

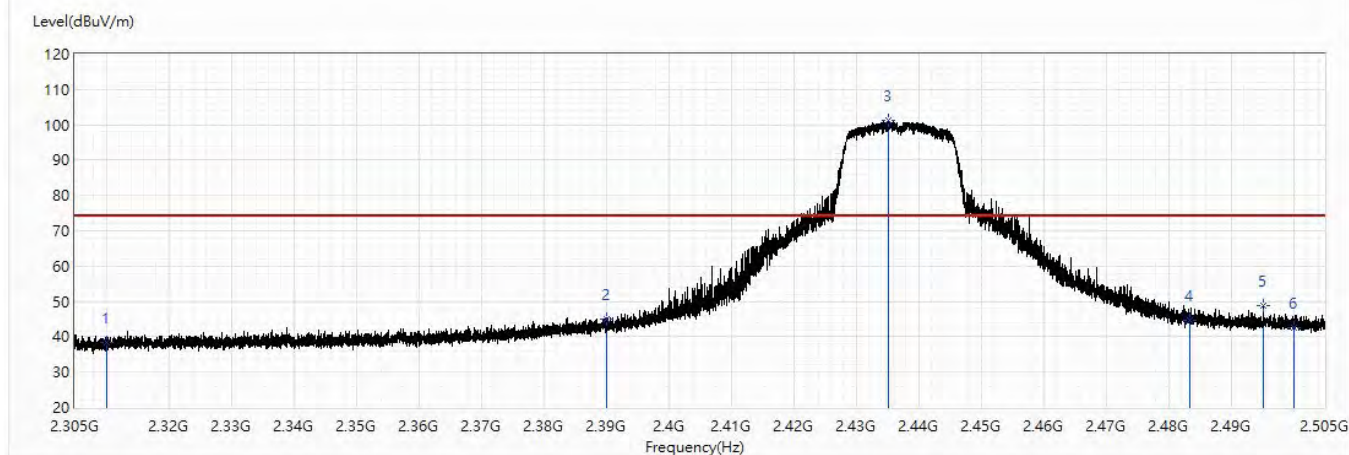


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310	29.32	54.00	-24.68	28.92	0.40	AV
2	2390	36.15	54.00	-17.85	35.38	0.77	AV
! 3	2435.717	94.85	54.00	40.85	93.86	0.99	AV
4	2483.5	37.68	54.00	-16.32	36.49	1.19	AV
5	2483.517	37.69	54.00	-16.31	36.50	1.19	AV
6	2500	36.00	54.00	-18.00	34.75	1.25	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.

Site :	CB4-H	Engineer :	Max
Model No :	CP111D	Test Date :	2019/5/2
Test Voltage :	AC 120V/60Hz	Polarity :	Vertical
Test Mode :	Mode 1: Transmit Mode		
Note :	802.11n20_2437MHz		
Environmental Condition:	Temperature (°C) : 23.5 ; Relative Humidity (%RH) : 62		

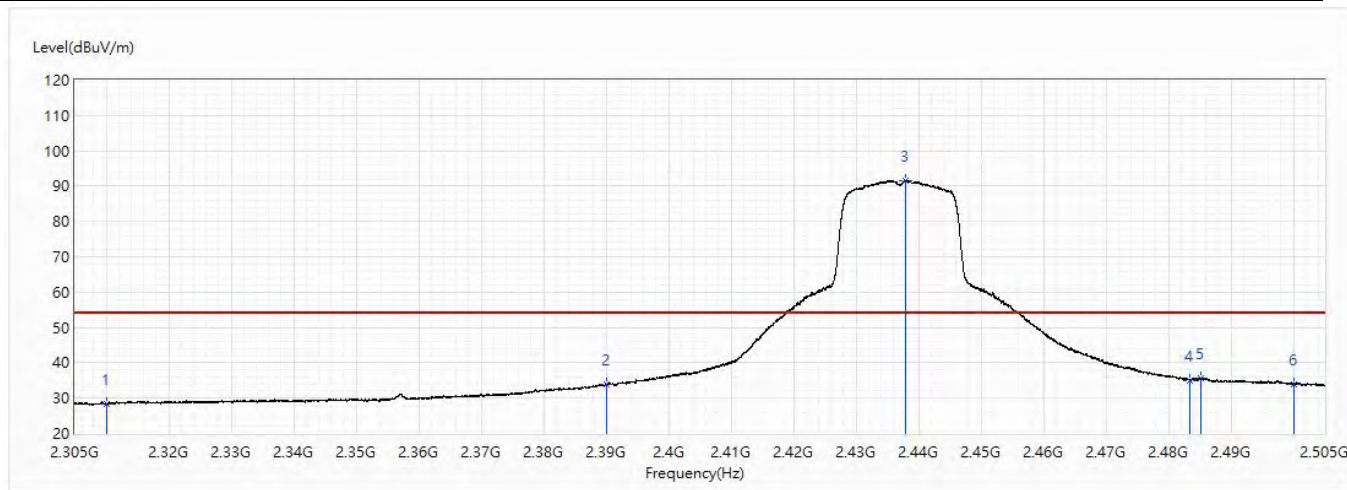


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310	38.27	74.00	-35.73	37.87	0.40	PK
2	2390	44.91	74.00	-29.09	44.14	0.77	PK
! 3	2435.233	101.10	74.00	27.10	100.12	0.98	PK
4	2483.5	44.76	74.00	-29.24	43.57	1.19	PK
5	2495.117	48.88	74.00	-25.12	47.65	1.23	PK
6	2500	42.64	74.00	-31.36	41.39	1.25	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.

Site :	CB4-H	Engineer :	Max
Model No :	CP111D	Test Date :	2019/5/2
Test Voltage :	AC 120V/60Hz	Polarity :	Vertical
Test Mode :	Mode 1: Transmit Mode		
Note :	802.11n20_2437MHz		
Environmental Condition:	Temperature (°C) : 23.5 ; Relative Humidity (%RH) : 62		

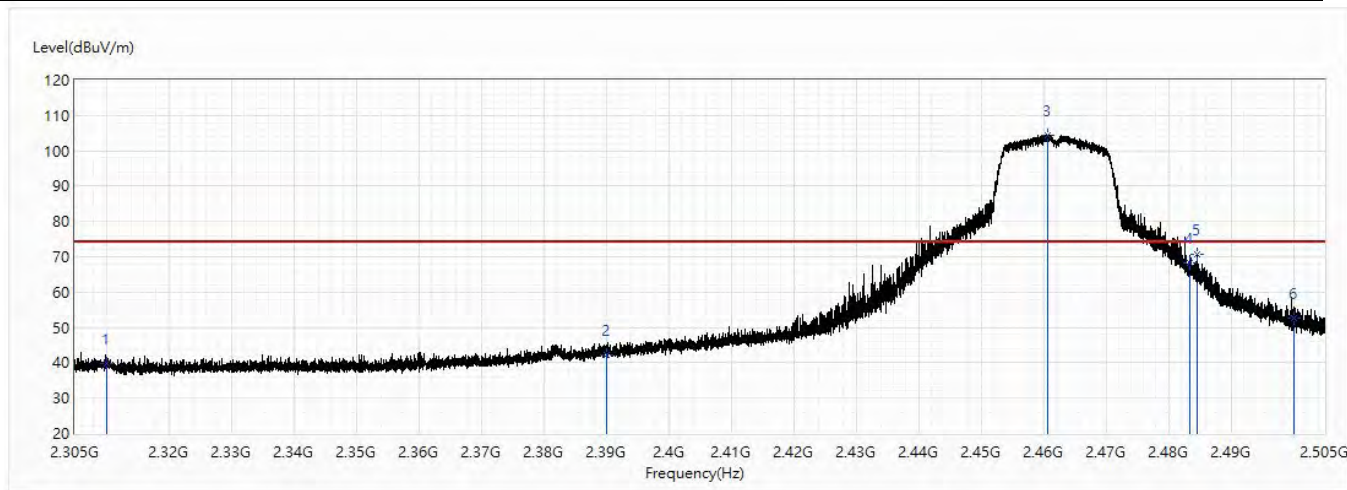


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310	28.22	54.00	-25.78	27.82	0.40	AV
2	2390	33.81	54.00	-20.19	33.04	0.77	AV
! 3	2437.883	91.65	54.00	37.65	90.65	1.00	AV
4	2483.5	35.09	54.00	-18.91	33.90	1.19	AV
5	2485.233	35.70	54.00	-18.30	34.51	1.19	AV
6	2500	33.90	54.00	-20.10	32.65	1.25	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.

Site :	CB4-H	Engineer :	Max
Model No :	CP111D	Test Date :	2019/5/2
Test Voltage :	AC 120V/60Hz	Polarity :	Horizontal
Test Mode :	Mode 1: Transmit Mode		
Note :	802.11n20_2462MHz		
Environmental Condition:	Temperature (°C) : 23.5 ; Relative Humidity (%RH) : 62		

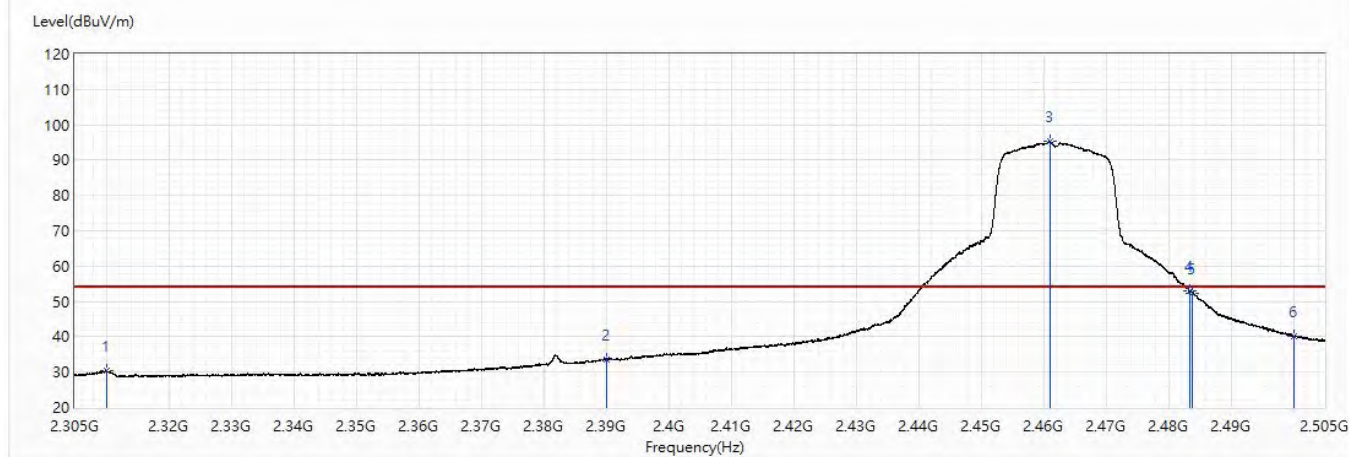


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310	39.69	74.00	-34.31	39.29	0.40	PK
2	2390	42.31	74.00	-31.69	41.54	0.77	PK
! 3	2460.65	104.53	74.00	30.53	103.43	1.10	PK
4	2483.5	68.25	74.00	-5.75	67.06	1.19	PK
5	2484.633	70.72	74.00	-3.28	69.53	1.19	PK
6	2500	52.69	74.00	-21.31	51.44	1.25	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.

Site :	CB4-H	Engineer :	Max
Model No :	CP111D	Test Date :	2019/5/2
Test Voltage :	AC 120V/60Hz	Polarity :	Horizontal
Test Mode :	Mode 1: Transmit Mode		
Note :	802.11n20_2462MHz		
Environmental Condition:	Temperature (°C) : 23.5 ; Relative Humidity (%RH) : 62		

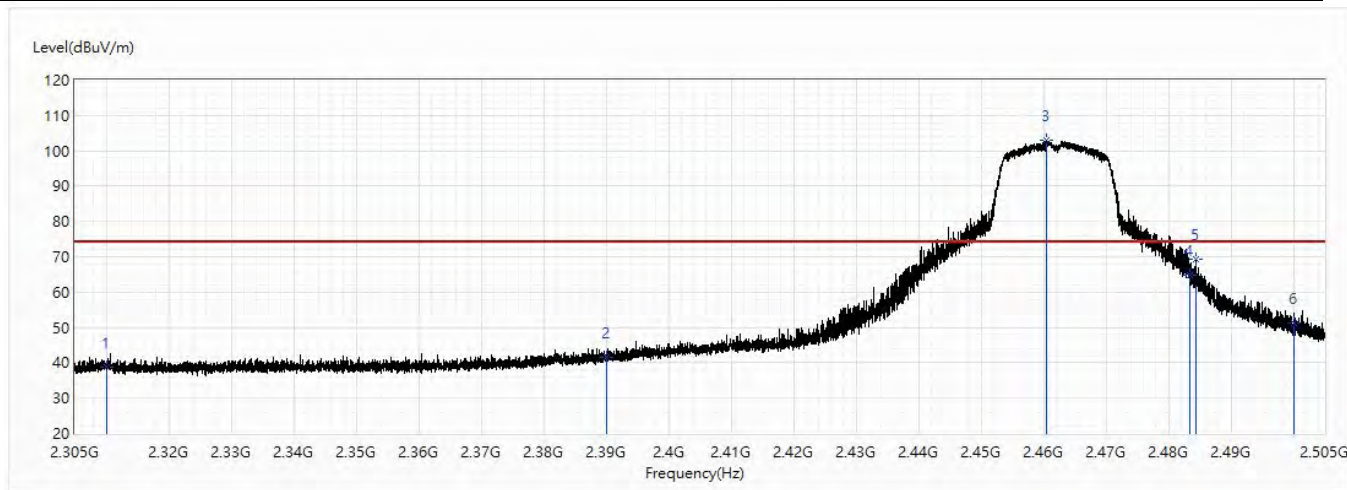


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310	30.37	54.00	-23.63	29.97	0.40	AV
2	2390	33.55	54.00	-20.45	32.78	0.77	AV
! 3	2461	95.21	54.00	41.21	94.11	1.10	AV
4	2483.5	52.84	54.00	-1.16	51.65	1.19	AV
5	2483.75	52.41	54.00	-1.59	51.22	1.19	AV
6	2500	40.25	54.00	-13.75	39.00	1.25	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.

Site :	CB4-H	Engineer :	Max
Model No :	CP111D	Test Date :	2019/5/2
Test Voltage :	AC 120V/60Hz	Polarity :	Vertical
Test Mode :	Mode 1: Transmit Mode		
Note :	802.11n20_2462MHz		
Environmental Condition:	Temperature (°C) : 23.5 ; Relative Humidity (%RH) : 62		

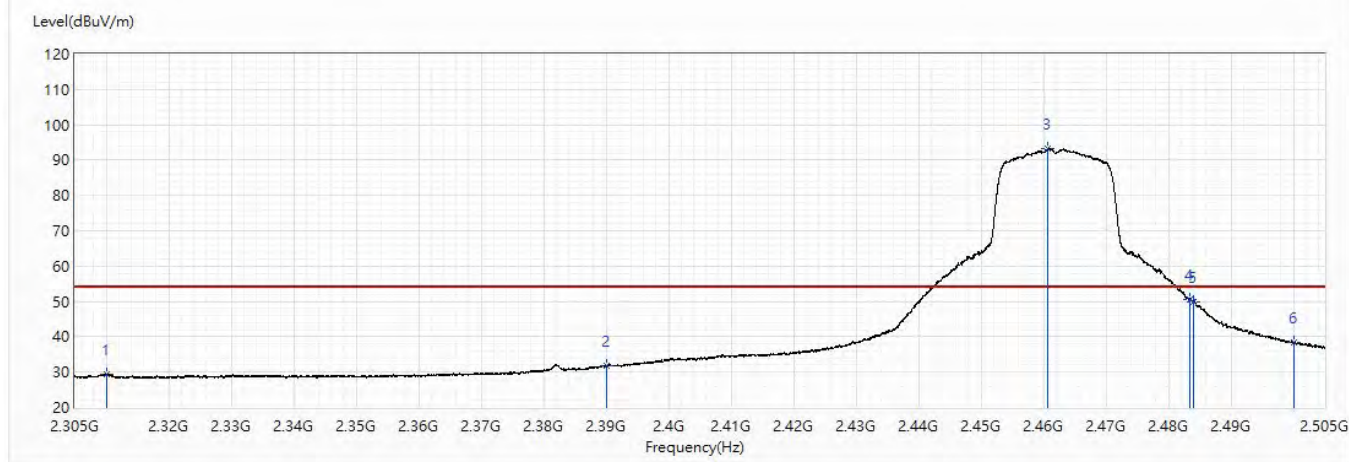


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310	38.67	74.00	-35.33	38.27	0.40	PK
2	2390	41.61	74.00	-32.39	40.84	0.77	PK
! 3	2460.533	103.11	74.00	29.11	102.01	1.10	PK
4	2483.5	64.68	74.00	-9.32	63.49	1.19	PK
5	2484.333	69.26	74.00	-4.74	68.07	1.19	PK
6	2500	51.10	74.00	-22.90	49.85	1.25	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.

Site :	CB4-H	Engineer :	Max
Model No :	CP111D	Test Date :	2019/5/2
Test Voltage :	AC 120V/60Hz	Polarity :	Vertical
Test Mode :	Mode 1: Transmit Mode		
Note :	802.11n20_2462MHz		
Environmental Condition:	Temperature (°C) : 23.5 ; Relative Humidity (%RH) : 62		

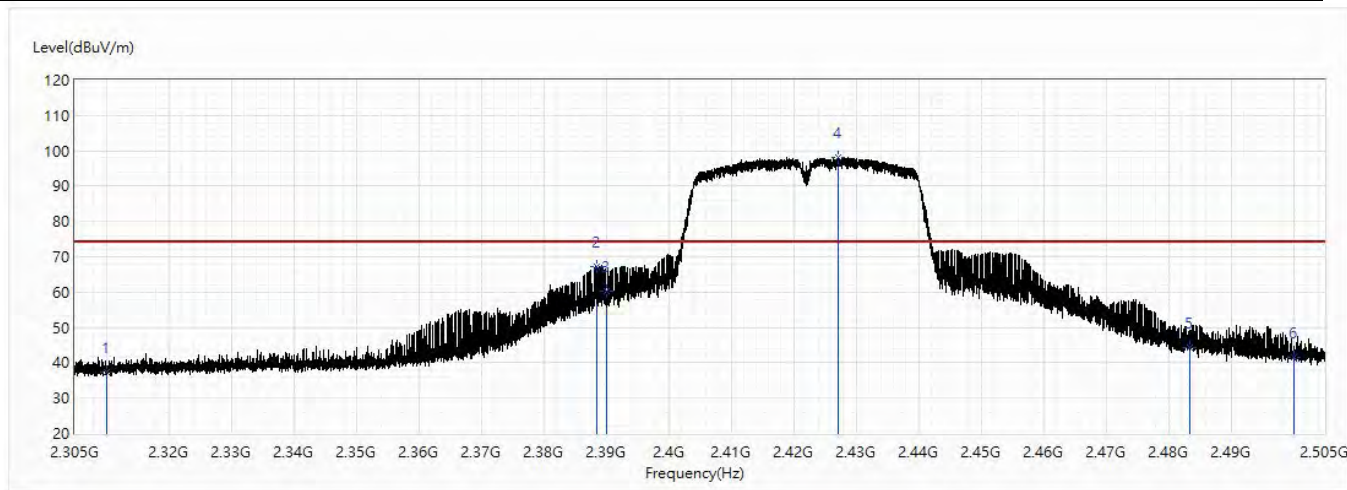


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310	29.37	54.00	-24.63	28.97	0.40	AV
2	2390	31.75	54.00	-22.25	30.98	0.77	AV
! 3	2460.733	93.33	54.00	39.33	92.23	1.10	AV
4	2483.5	50.41	54.00	-3.59	49.22	1.19	AV
5	2483.983	50.01	54.00	-3.99	48.82	1.19	AV
6	2500	38.36	54.00	-15.64	37.11	1.25	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.

Site :	CB4-H	Engineer :	Max
Model No :	CP111D	Test Date :	2019/5/2
Test Voltage :	AC 120V/60Hz	Polarity :	Horizontal
Test Mode :	Mode 1: Transmit Mode		
Note :	802.11n40_2422MHz		
Environmental Condition:	Temperature (°C) : 23.5 ; Relative Humidity (%RH) : 62		

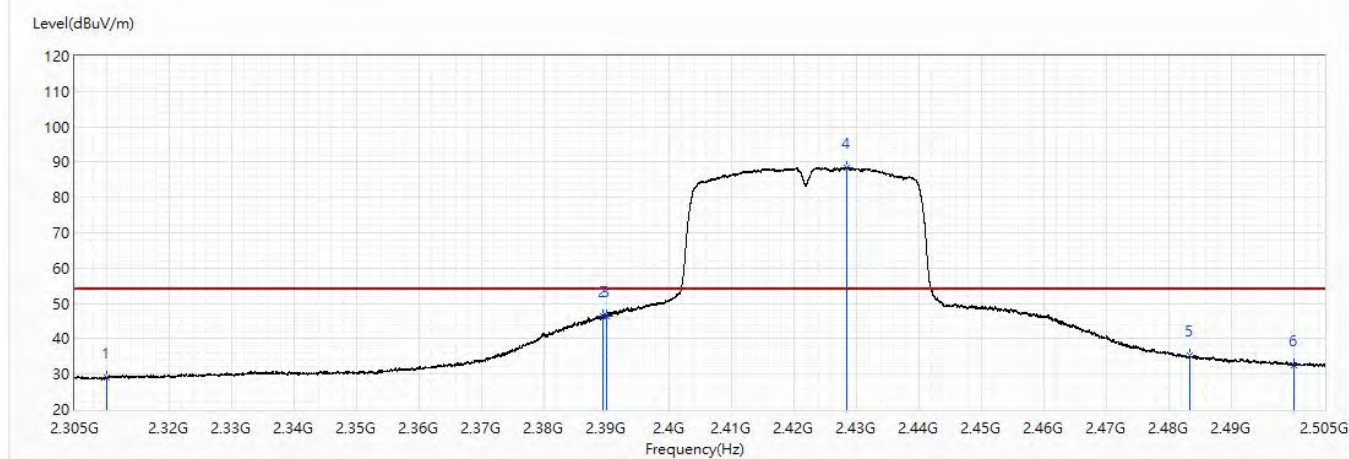


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310	37.20	74.00	-36.80	36.80	0.40	PK
2	2388.45	67.23	74.00	-6.77	66.47	0.76	PK
3	2390	60.22	74.00	-13.78	59.45	0.77	PK
! 4	2427.2	98.29	74.00	24.29	97.34	0.95	PK
5	2483.5	44.42	74.00	-29.58	43.23	1.19	PK
6	2500	41.36	74.00	-32.64	40.11	1.25	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.

Site :	CB4-H	Engineer :	Max
Model No :	CP111D	Test Date :	2019/5/2
Test Voltage :	AC 120V/60Hz	Polarity :	Horizontal
Test Mode :	Mode 1: Transmit Mode		
Note :	802.11n40_2422MHz		
Environmental Condition:	Temperature (°C) : 23.5 ; Relative Humidity (%RH) : 62		

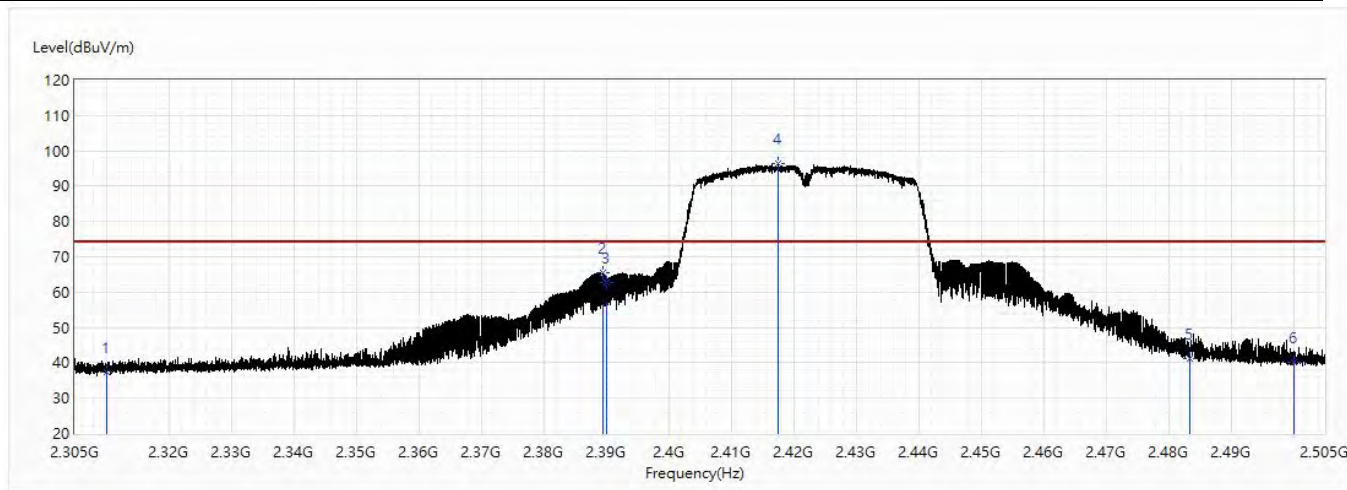


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310	28.91	54.00	-25.09	28.51	0.40	AV
2	2389.467	46.55	54.00	-7.45	45.79	0.76	AV
3	2390	46.45	54.00	-7.55	45.68	0.77	AV
! 4	2428.617	88.54	54.00	34.54	87.58	0.96	AV
5	2483.5	35.19	54.00	-18.81	34.00	1.19	AV
6	2500	32.60	54.00	-21.40	31.35	1.25	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.

Site :	CB4-H	Engineer :	Max
Model No :	CP111D	Test Date :	2019/5/2
Test Voltage :	AC 120V/60Hz	Polarity :	Vertical
Test Mode :	Mode 1: Transmit Mode		
Note :	802.11n40_2422MHz		
Environmental Condition:	Temperature (°C) : 23.5 ; Relative Humidity (%RH) : 62		

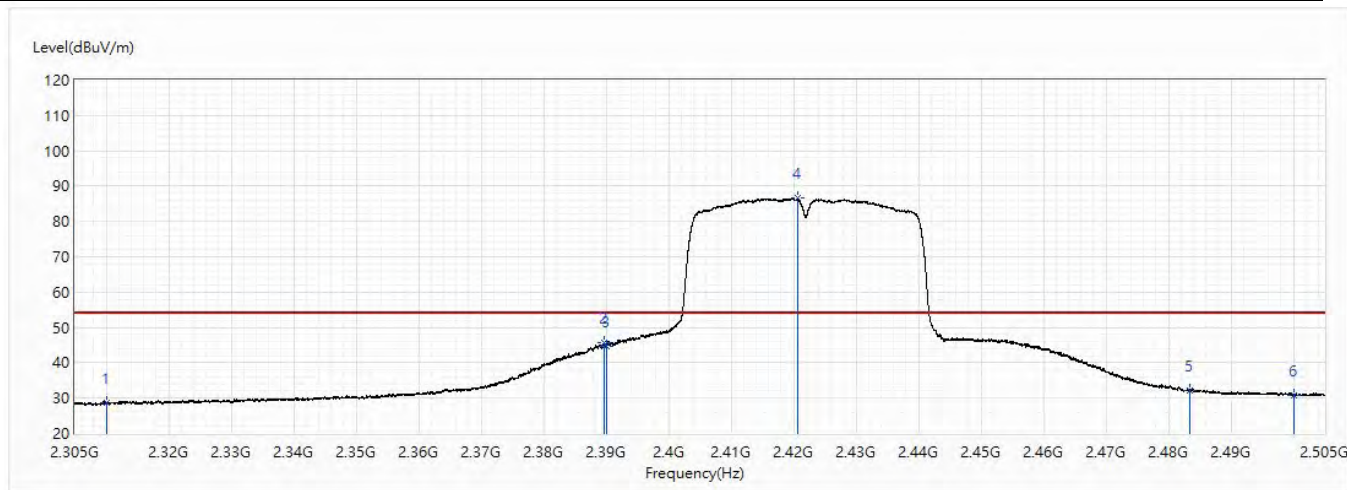


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310	37.52	74.00	-36.48	37.12	0.40	PK
2	2389.433	65.50	74.00	-8.50	64.74	0.76	PK
3	2390	62.55	74.00	-11.45	61.78	0.77	PK
! 4	2417.633	96.37	74.00	22.37	95.47	0.90	PK
5	2483.5	41.13	74.00	-32.87	39.94	1.19	PK
6	2500	40.19	74.00	-33.81	38.94	1.25	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.

Site :	CB4-H	Engineer :	Max
Model No :	CP111D	Test Date :	2019/5/2
Test Voltage :	AC 120V/60Hz	Polarity :	Vertical
Test Mode :	Mode 1: Transmit Mode		
Note :	802.11n40_2422MHz		
Environmental Condition:	Temperature (°C) : 23.5 ; Relative Humidity (%RH) : 62		

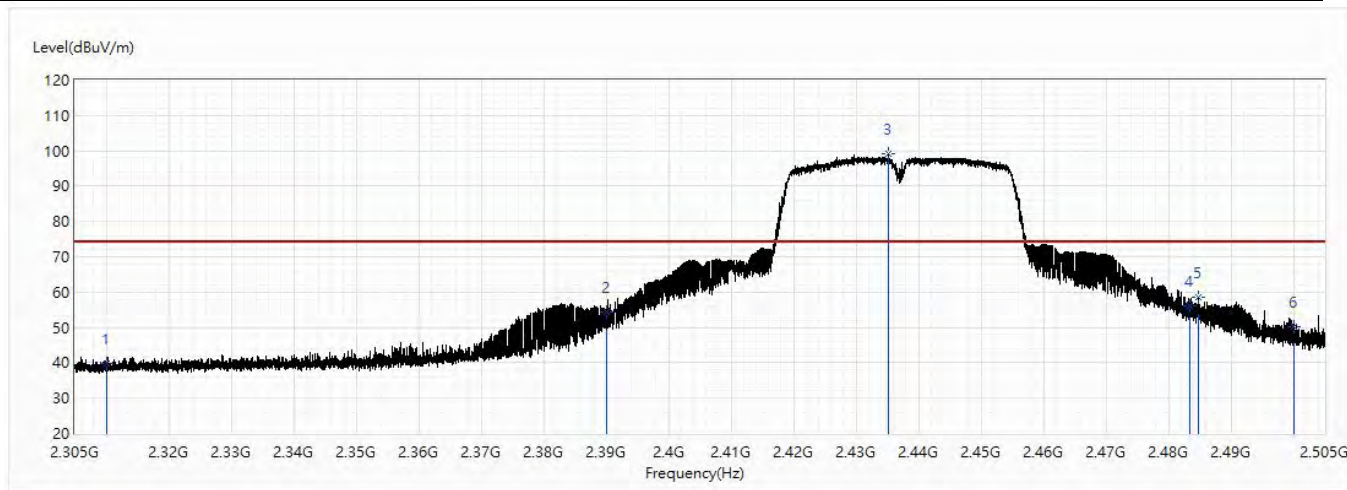


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310	28.66	54.00	-25.34	28.26	0.40	AV
2	2389.683	45.57	54.00	-8.43	44.80	0.77	AV
3	2390	44.82	54.00	-9.18	44.05	0.77	AV
! 4	2420.617	86.61	54.00	32.61	85.69	0.92	AV
5	2483.5	32.16	54.00	-21.84	30.97	1.19	AV
6	2500	30.92	54.00	-23.08	29.67	1.25	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.

Site :	CB4-H	Engineer :	Max
Model No :	CP111D	Test Date :	2019/5/2
Test Voltage :	AC 120V/60Hz	Polarity :	Horizontal
Test Mode :	Mode 1: Transmit Mode		
Note :	802.11n40_2437MHz		
Environmental Condition:	Temperature (°C) : 23.5 ; Relative Humidity (%RH) : 62		

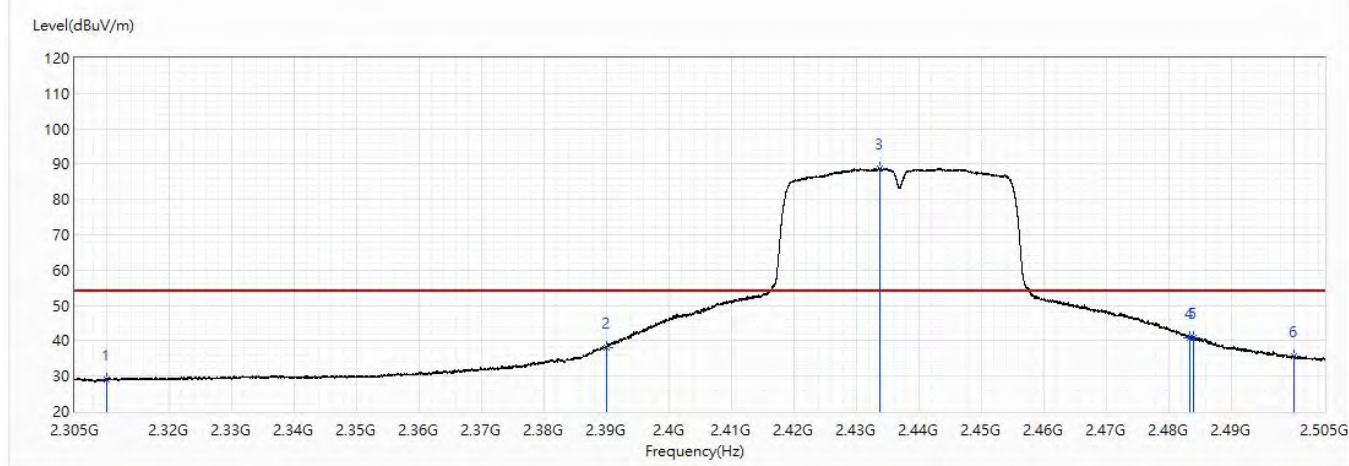


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310	39.65	74.00	-34.35	39.25	0.40	PK
2	2390	54.41	74.00	-19.59	53.64	0.77	PK
! 3	2435.2	99.01	74.00	25.01	98.03	0.98	PK
4	2483.5	56.00	74.00	-18.00	54.81	1.19	PK
5	2484.8	58.37	74.00	-15.63	57.18	1.19	PK
6	2500	50.13	74.00	-23.87	48.88	1.25	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.

Site :	CB4-H	Engineer :	Max
Model No :	CP111D	Test Date :	2019/5/2
Test Voltage :	AC 120V/60Hz	Polarity :	Horizontal
Test Mode :	Mode 1: Transmit Mode		
Note :	802.11n40_2437MHz		
Environmental Condition:	Temperature (°C) : 23.5 ; Relative Humidity (%RH) : 62		

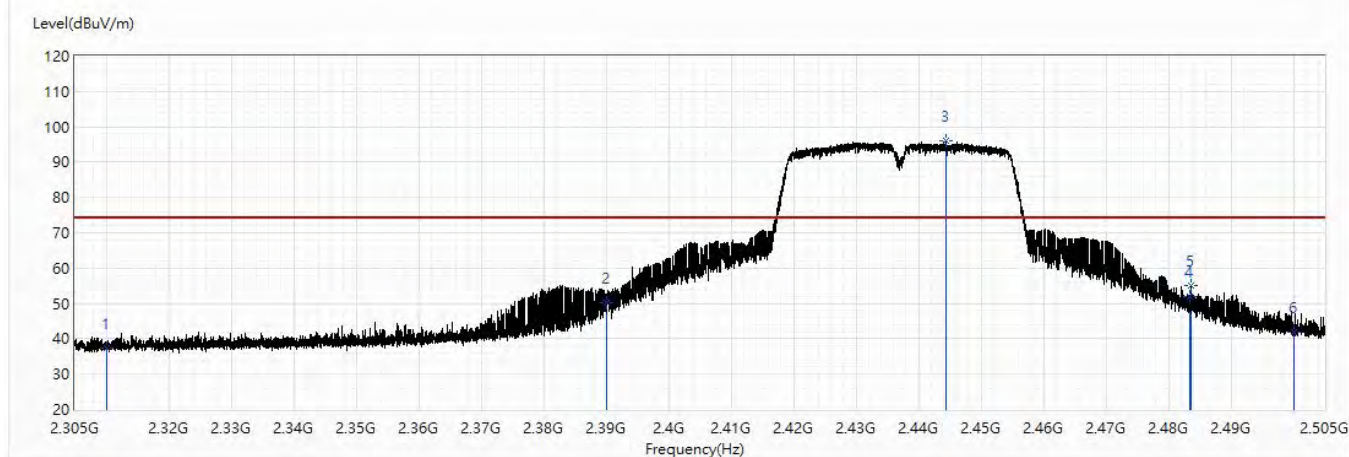


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310	28.95	54.00	-25.05	28.55	0.40	AV
2	2390	38.13	54.00	-15.87	37.36	0.77	AV
! 3	2433.9	88.73	54.00	34.73	87.75	0.98	AV
4	2483.5	40.92	54.00	-13.08	39.73	1.19	AV
5	2483.983	40.92	54.00	-13.08	39.73	1.19	AV
6	2500	35.57	54.00	-18.43	34.32	1.25	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.

Site :	CB4-H	Engineer :	Max
Model No :	CP111D	Test Date :	2019/5/2
Test Voltage :	AC 120V/60Hz	Polarity :	Vertical
Test Mode :	Mode 1: Transmit Mode		
Note :	802.11n40_2437MHz		
Environmental Condition:	Temperature (°C) : 23.5 ; Relative Humidity (%RH) : 62		

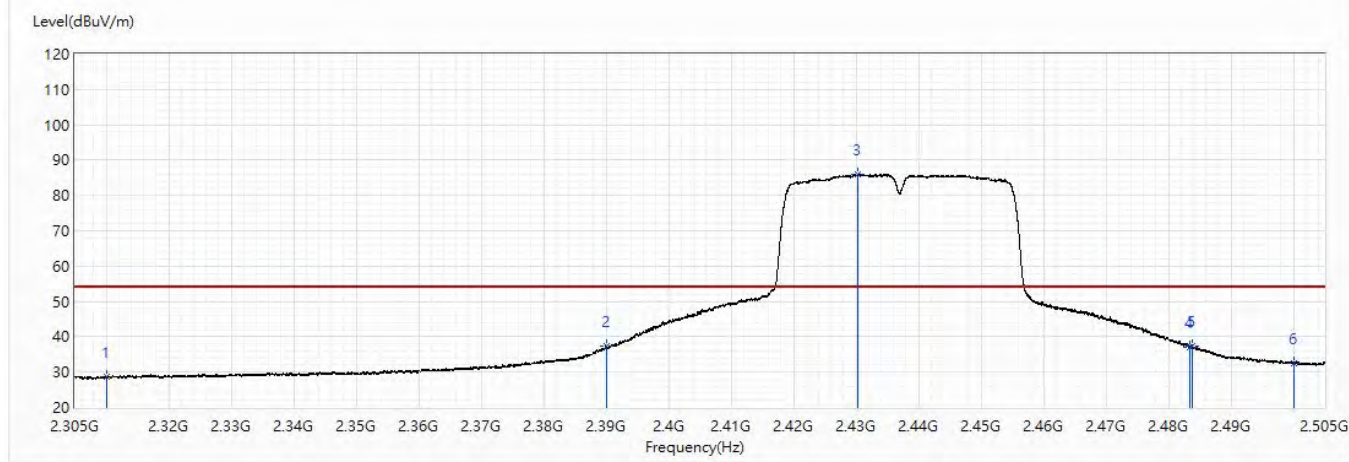


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310	37.38	74.00	-36.62	36.98	0.40	PK
2	2390	50.04	74.00	-23.96	49.27	0.77	PK
3	2444.383	96.14	74.00	22.14	95.11	1.03	PK
4	2483.5	52.03	74.00	-21.97	50.84	1.19	PK
5	2483.55	55.14	74.00	-18.86	53.95	1.19	PK
6	2500	41.82	74.00	-32.18	40.57	1.25	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.

Site :	CB4-H	Engineer :	Max
Model No :	CP111D	Test Date :	2019/5/2
Test Voltage :	AC 120V/60Hz	Polarity :	Vertical
Test Mode :	Mode 1: Transmit Mode		
Note :	802.11n40_2437MHz		
Environmental Condition:	Temperature (°C) : 23.5 ; Relative Humidity (%RH) : 62		

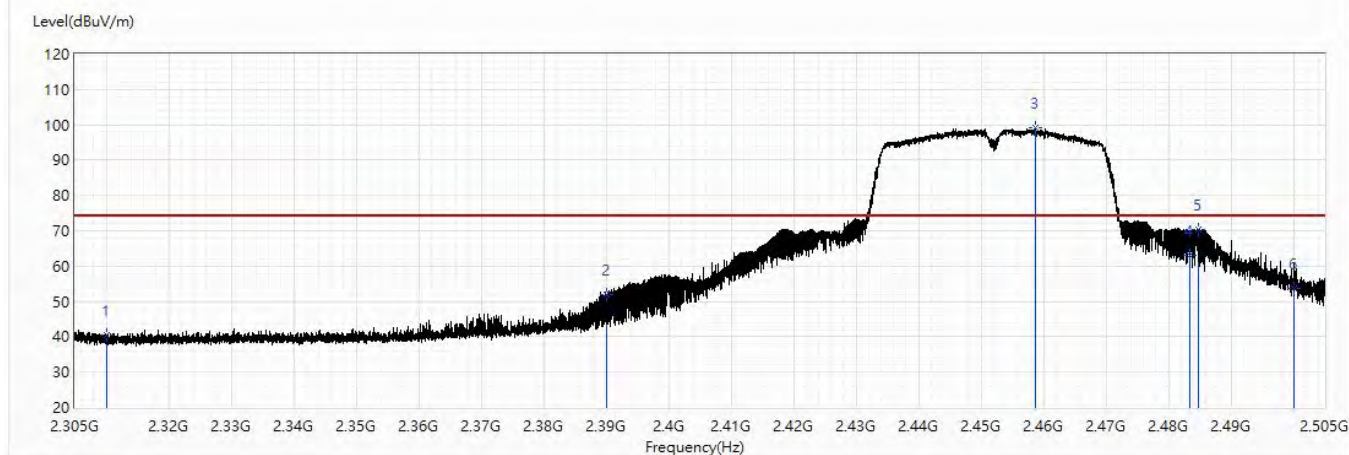


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310	28.65	54.00	-25.35	28.25	0.40	AV
2	2390	37.23	54.00	-16.77	36.46	0.77	AV
! 3	2430.317	86.00	54.00	32.00	85.04	0.96	AV
4	2483.5	37.13	54.00	-16.87	35.94	1.19	AV
5	2483.767	37.39	54.00	-16.61	36.20	1.19	AV
6	2500	32.63	54.00	-21.37	31.38	1.25	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.

Site :	CB4-H	Engineer :	Max
Model No :	CP111D	Test Date :	2019/5/2
Test Voltage :	AC 120V/60Hz	Polarity :	Horizontal
Test Mode :	Mode 1: Transmit Mode		
Note :	802.11n40_2452MHz		
Environmental Condition:	Temperature (°C) : 23.5 ; Relative Humidity (%RH) : 62		

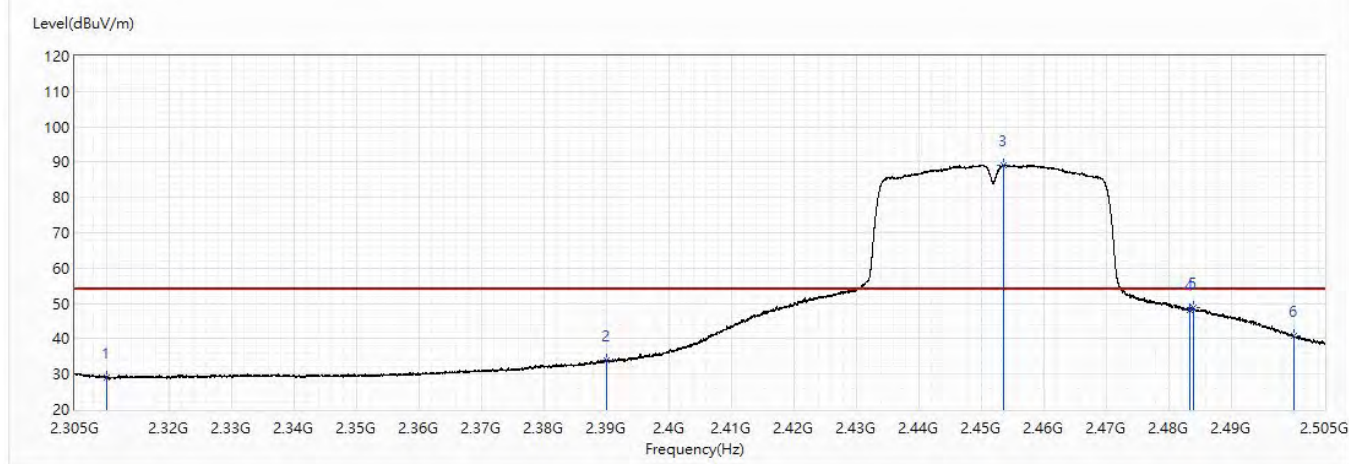


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310	40.54	74.00	-33.46	40.14	0.40	PK
2	2390	51.82	74.00	-22.18	51.05	0.77	PK
! 3	2458.817	99.30	74.00	25.30	98.21	1.09	PK
4	2483.5	62.92	74.00	-11.08	61.73	1.19	PK
5	2484.883	70.25	74.00	-3.75	69.06	1.19	PK
6	2500	53.75	74.00	-20.25	52.50	1.25	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.

Site :	CB4-H	Engineer :	Max
Model No :	CP111D	Test Date :	2019/5/2
Test Voltage :	AC 120V/60Hz	Polarity :	Horizontal
Test Mode :	Mode 1: Transmit Mode		
Note :	802.11n40_2452MHz		
Environmental Condition:	Temperature (°C) : 23.5 ; Relative Humidity (%RH) : 62		

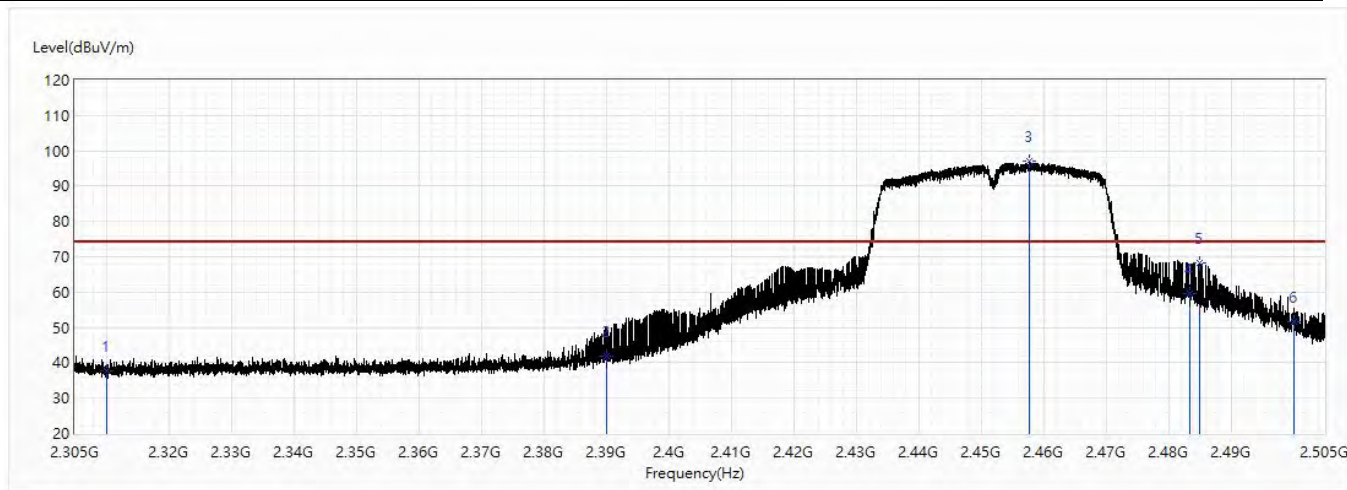


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310	28.91	54.00	-25.09	28.51	0.40	AV
2	2390	33.75	54.00	-20.25	32.98	0.77	AV
! 3	2453.683	89.21	54.00	35.21	88.14	1.07	AV
4	2483.5	48.07	54.00	-5.93	46.88	1.19	AV
5	2484.033	48.65	54.00	-5.35	47.46	1.19	AV
6	2500	40.74	54.00	-13.26	39.49	1.25	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.

Site :	CB4-H	Engineer :	Max
Model No :	CP111D	Test Date :	2019/5/2
Test Voltage :	AC 120V/60Hz	Polarity :	Vertical
Test Mode :	Mode 1: Transmit Mode		
Note :	802.11n40_2452MHz		
Environmental Condition:	Temperature (°C) : 23.5 ; Relative Humidity (%RH) : 62		

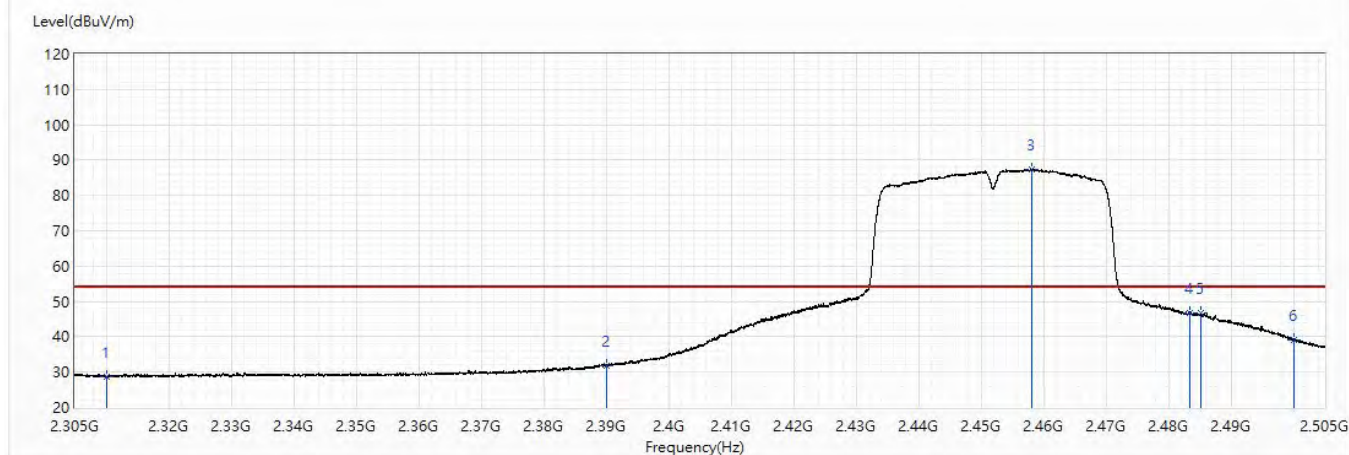


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310	37.85	74.00	-36.15	37.45	0.40	PK
2	2390	41.76	74.00	-32.24	40.99	0.77	PK
! 3	2457.717	96.92	74.00	22.92	95.83	1.09	PK
4	2483.5	59.75	74.00	-14.25	58.56	1.19	PK
5	2484.95	68.23	74.00	-5.77	67.04	1.19	PK
6	2500	51.46	74.00	-22.54	50.21	1.25	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.

Site :	CB4-H	Engineer :	Max
Model No :	CP111D	Test Date :	2019/5/2
Test Voltage :	AC 120V/60Hz	Polarity :	Vertical
Test Mode :	Mode 1: Transmit Mode		
Note :	802.11n40_2452MHz		
Environmental Condition:	Temperature (°C) : 23.5 ; Relative Humidity (%RH) : 62		



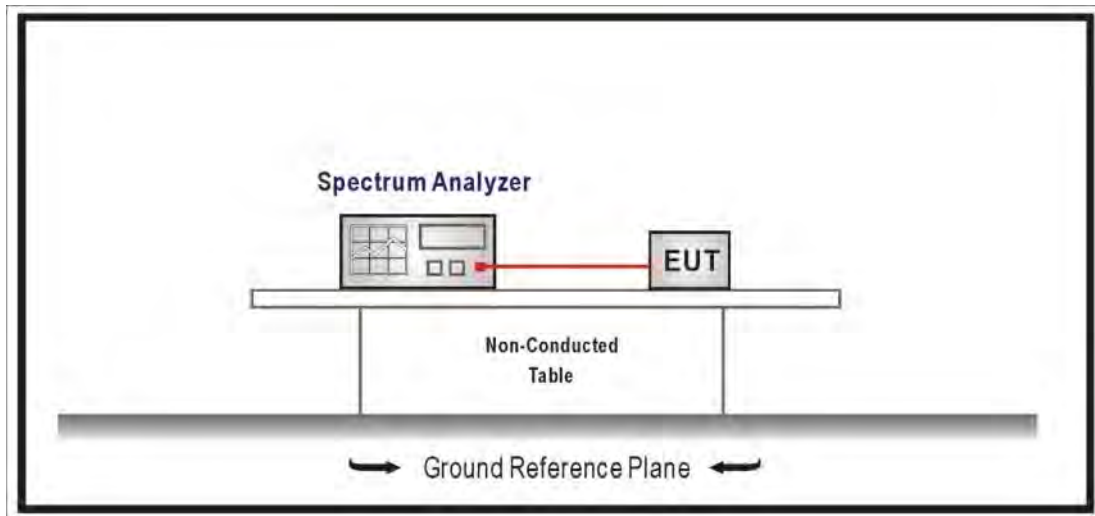
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310	28.82	54.00	-25.18	28.42	0.40	AV
2	2390	31.79	54.00	-22.21	31.02	0.77	AV
! 3	2458.183	87.49	54.00	33.49	86.40	1.09	AV
4	2483.5	46.84	54.00	-7.16	45.65	1.19	AV
5	2485.217	46.78	54.00	-7.22	45.59	1.19	AV
6	2500	39.08	54.00	-14.92	37.83	1.25	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.

7. DTS Bandwidth

7.1. Test Setup



7.2. Test Procedures

The EUT was setup according to ANSI C63.10: 2013; tested procedure section 8.1 of KDB558074 D01V05r02 for compliance to FCC 47CFR 15.247 requirements. Set RBW = 100KHz, Set the VBW $\geq 3 \times$ RBW, Sweep Time=Auto, Set Peak Detector.

7.3. Limits

The 6 dB bandwidth must be greater than 500 kHz.

7.4. Test Specification

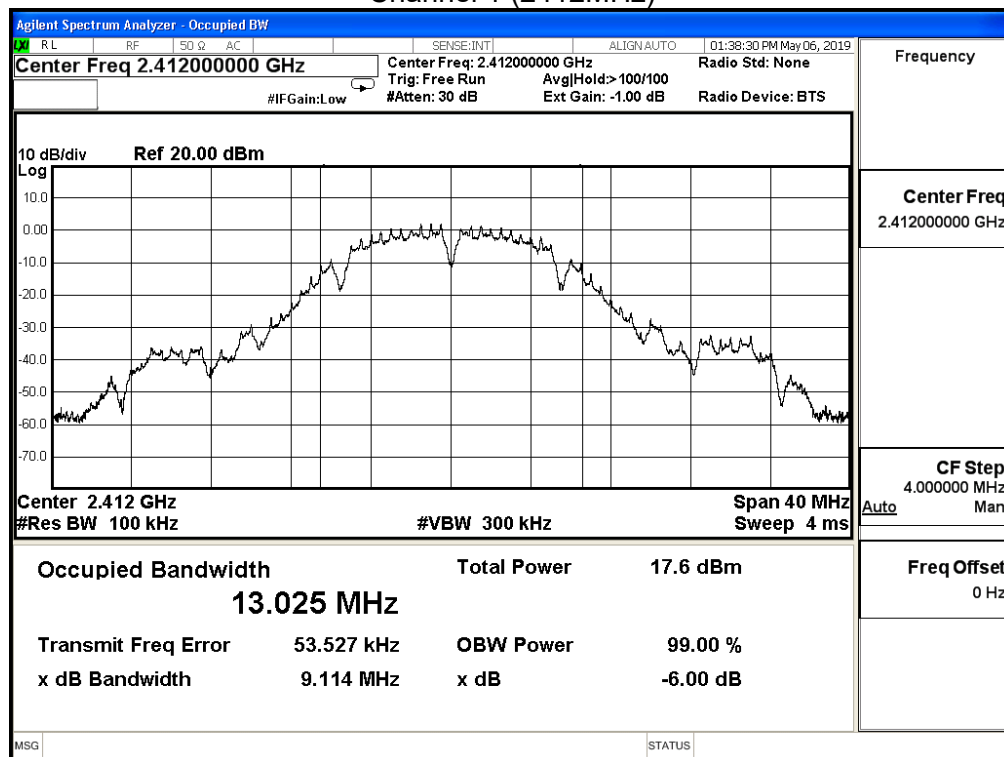
According to FCC Part 15 Subpart C Paragraph 15.247: 2019.

7.5. Test Result

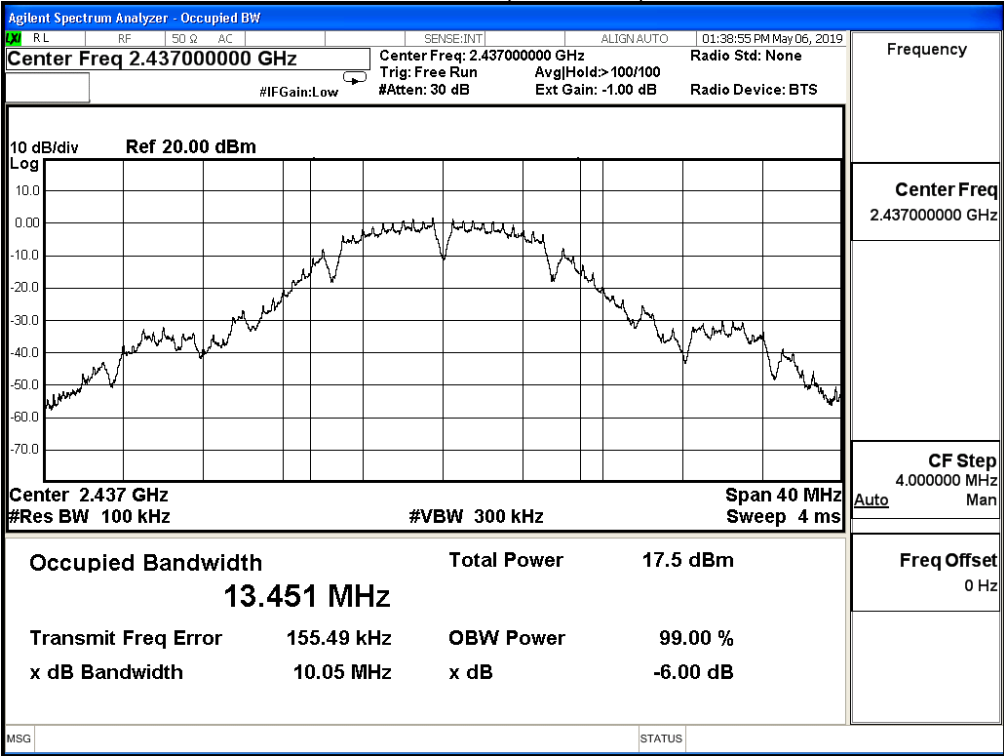
Product	LATTE ART PRINTER		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit Mode		
Date of Test	2019/05/06	Test Site	SR10-H
Test Temperature	24.1°C	Test Humidity	63.0%

802.11b (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
1	2412	9.114	≥ 0.5	Pass
6	2437	10.05	≥ 0.5	Pass
11	2462	10.04	≥ 0.5	Pass

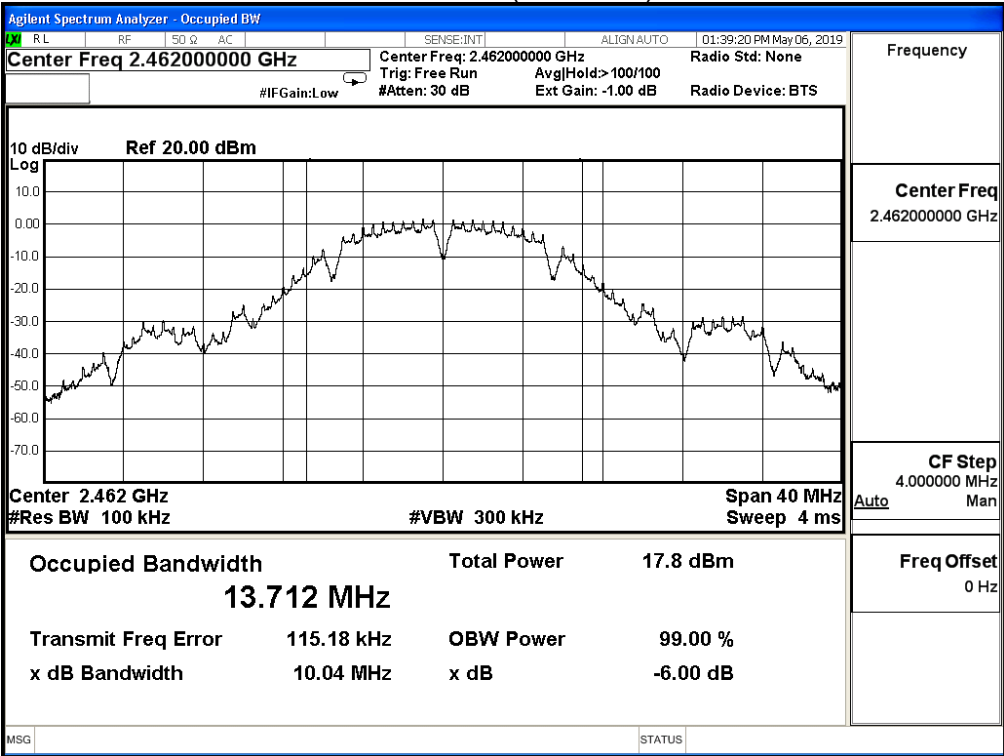
Channel 1 (2412MHz)



Channel 6 (2437MHz)



Channel 11 (2462MHz)

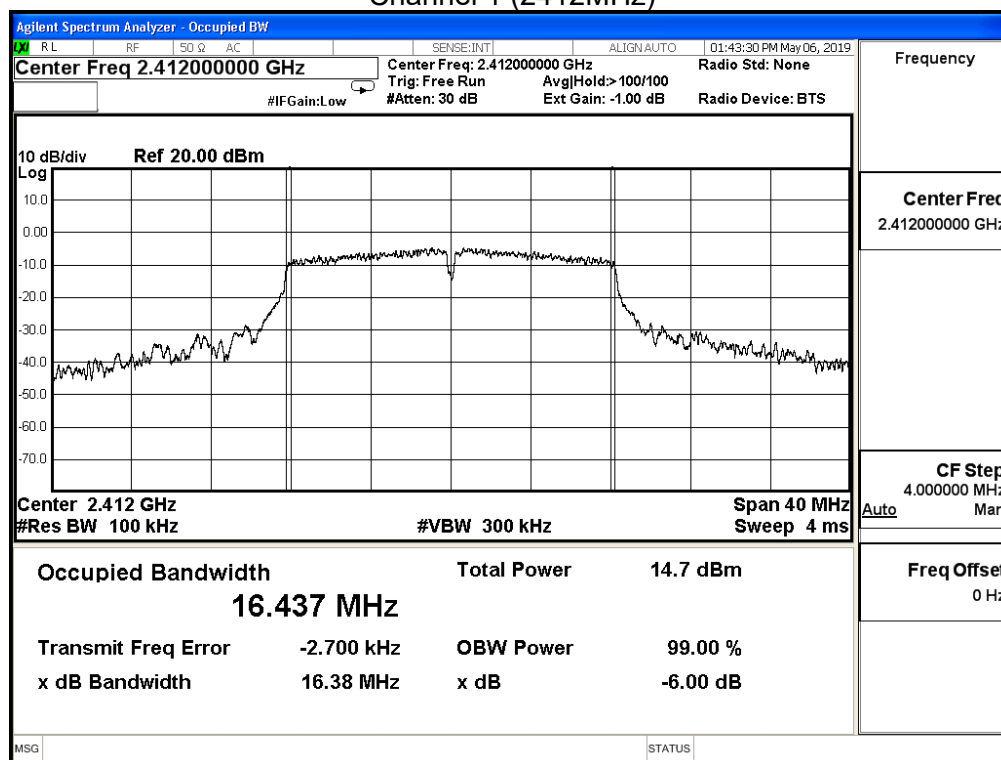


Product	LATTE ART PRINTER		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit Mode		
Date of Test	2019/05/06	Test Site	SR10-H
Test Temperature	24.1°C	Test Humidity	63.0%

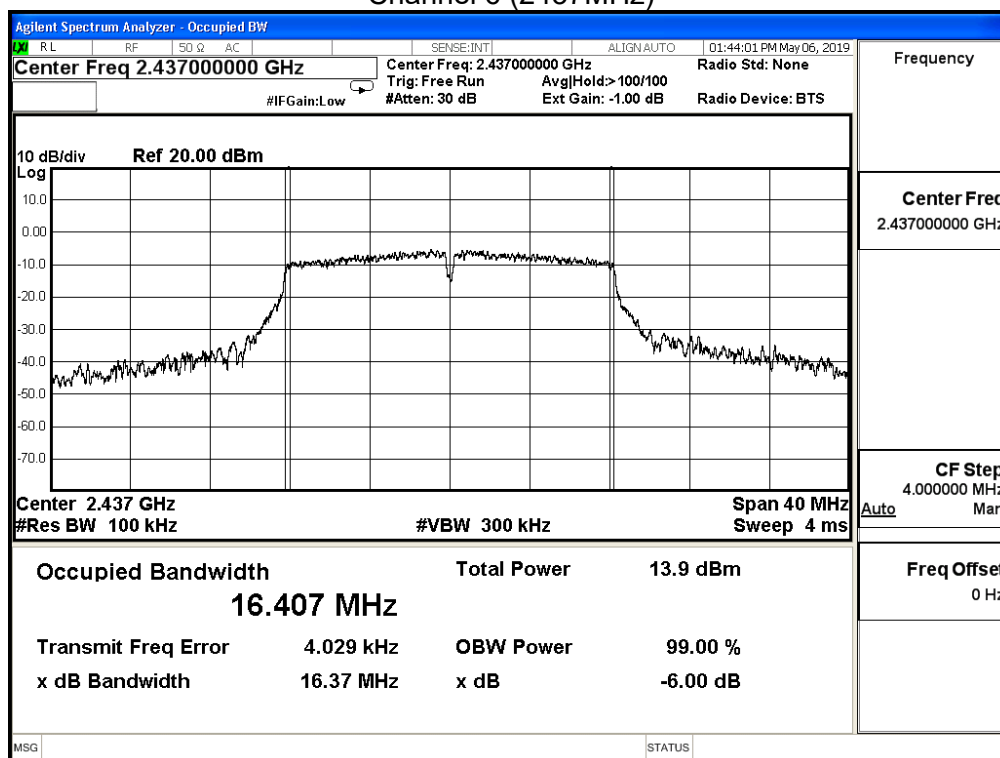
802.11g (ANT 0)

Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
1	2412	16.38	≥ 0.5	Pass
6	2437	16.37	≥ 0.5	Pass
11	2462	16.39	≥ 0.5	Pass

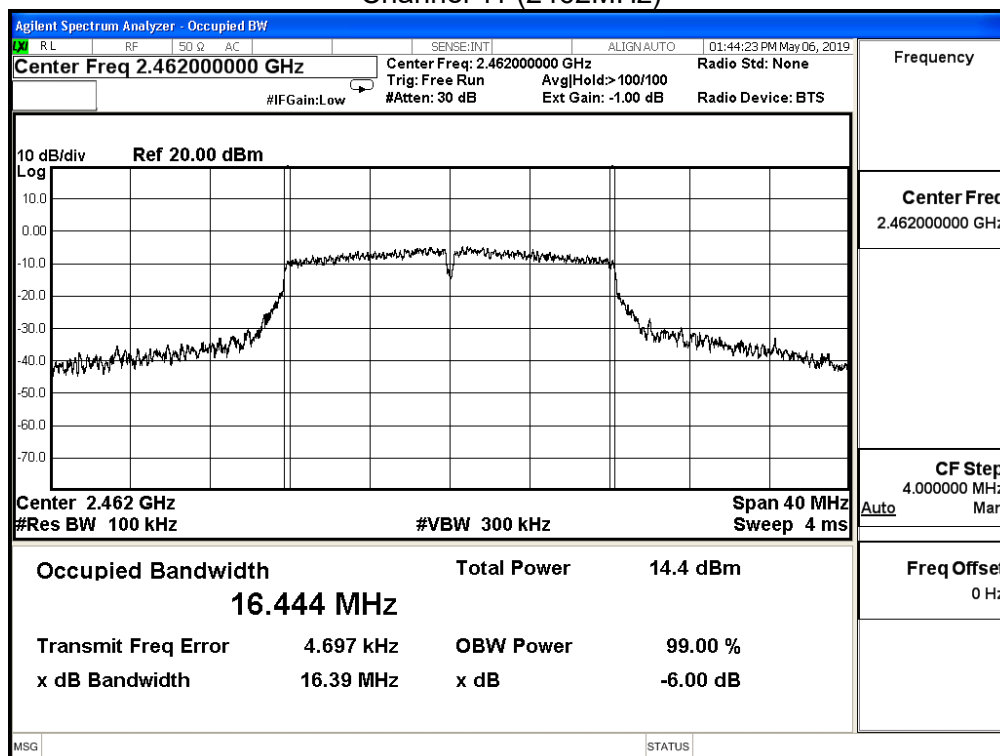
Channel 1 (2412MHz)



Channel 6 (2437MHz)



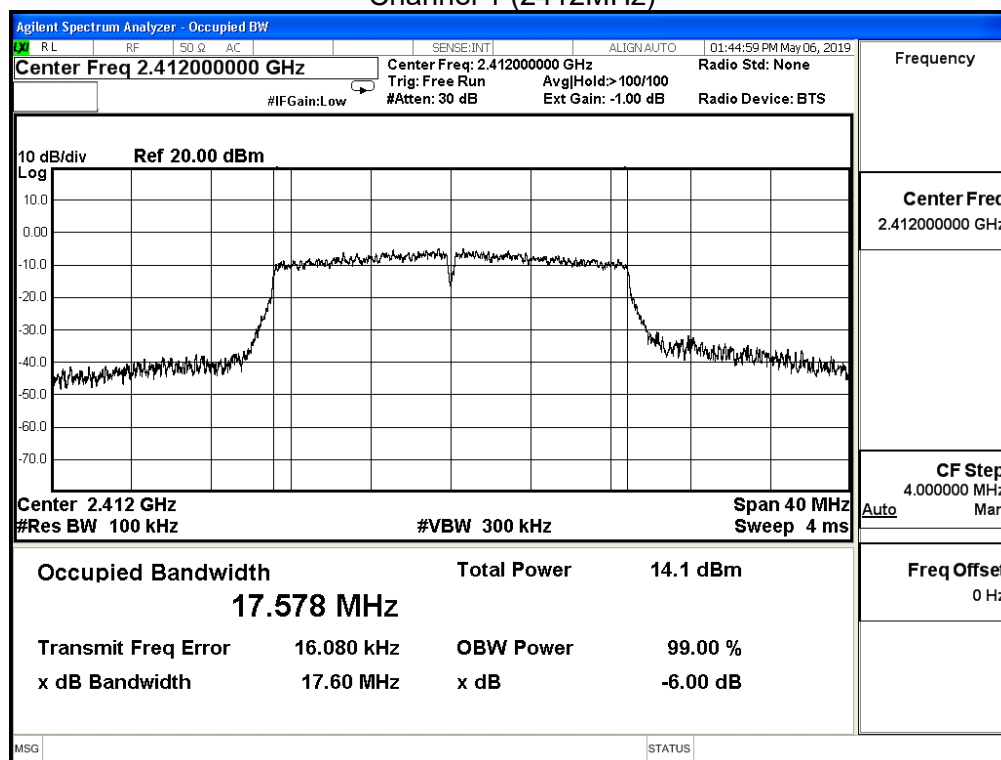
Channel 11 (2462MHz)



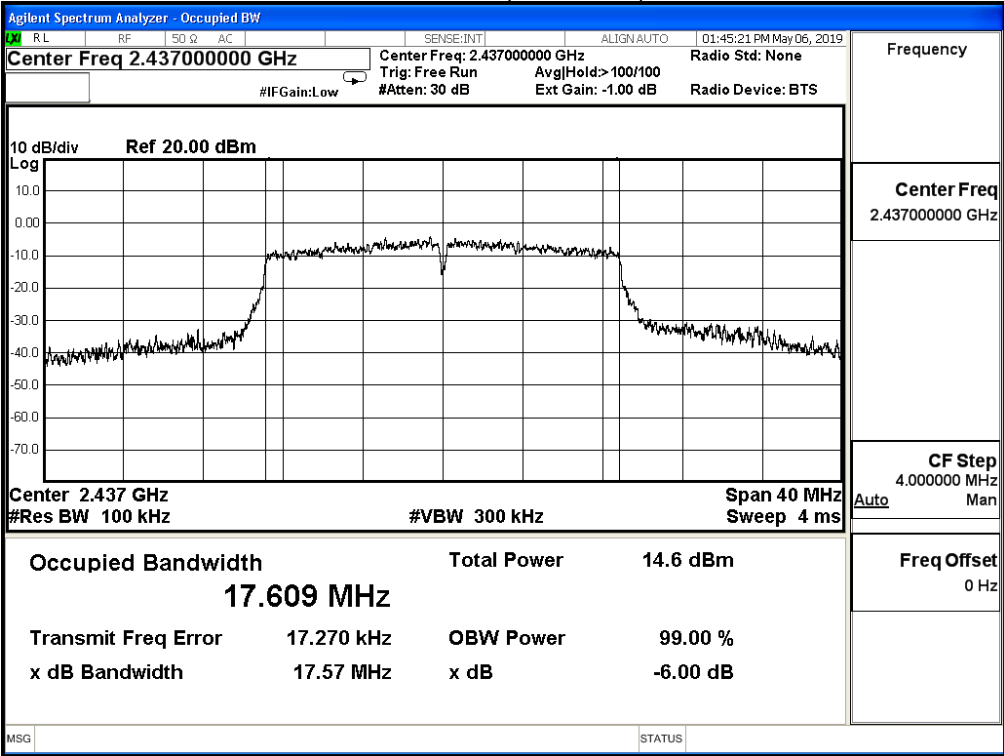
Product	LATTE ART PRINTER		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit Mode		
Date of Test	2019/05/06	Test Site	SR10-H
Test Temperature	24.1°C	Test Humidity	63.0%

IEEE 802.11n 20M (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
1	2412	17.60	≥ 0.5	Pass
6	2437	17.57	≥ 0.5	Pass
11	2462	17.60	≥ 0.5	Pass

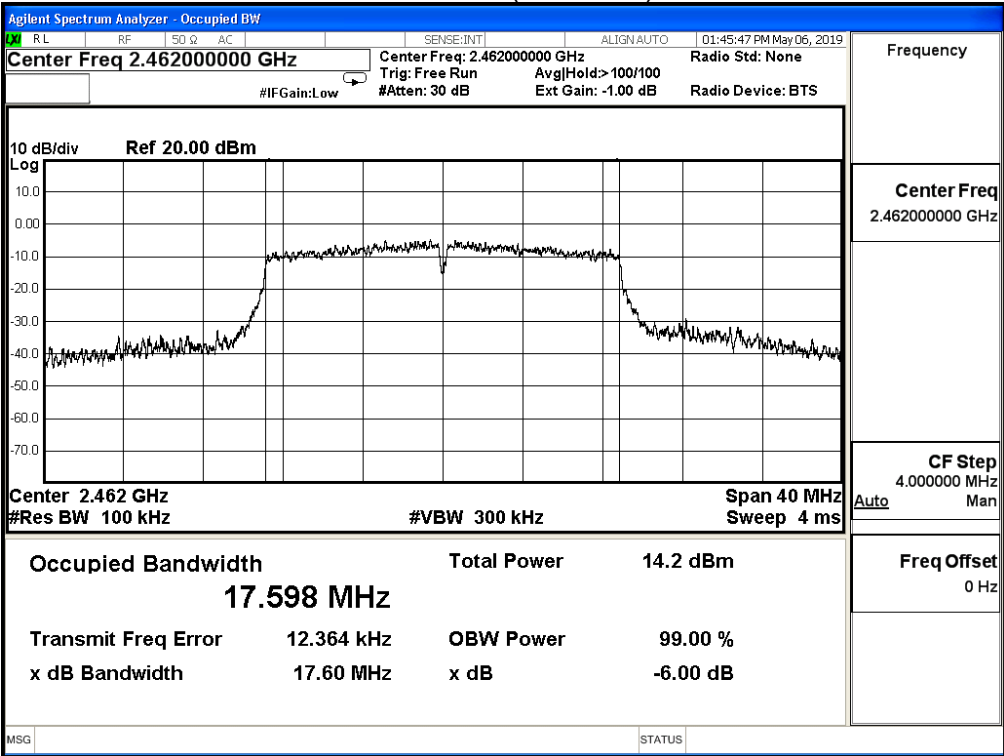
Channel 1 (2412MHz)



Channel 6 (2437MHz)



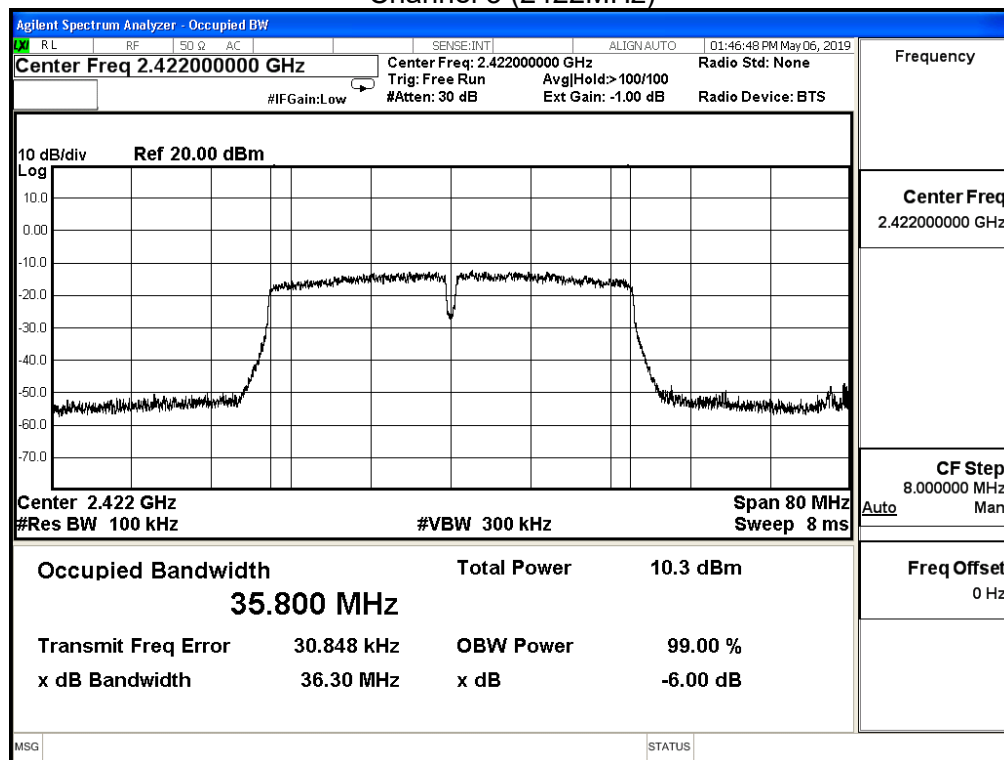
Channel 11 (2462MHz)



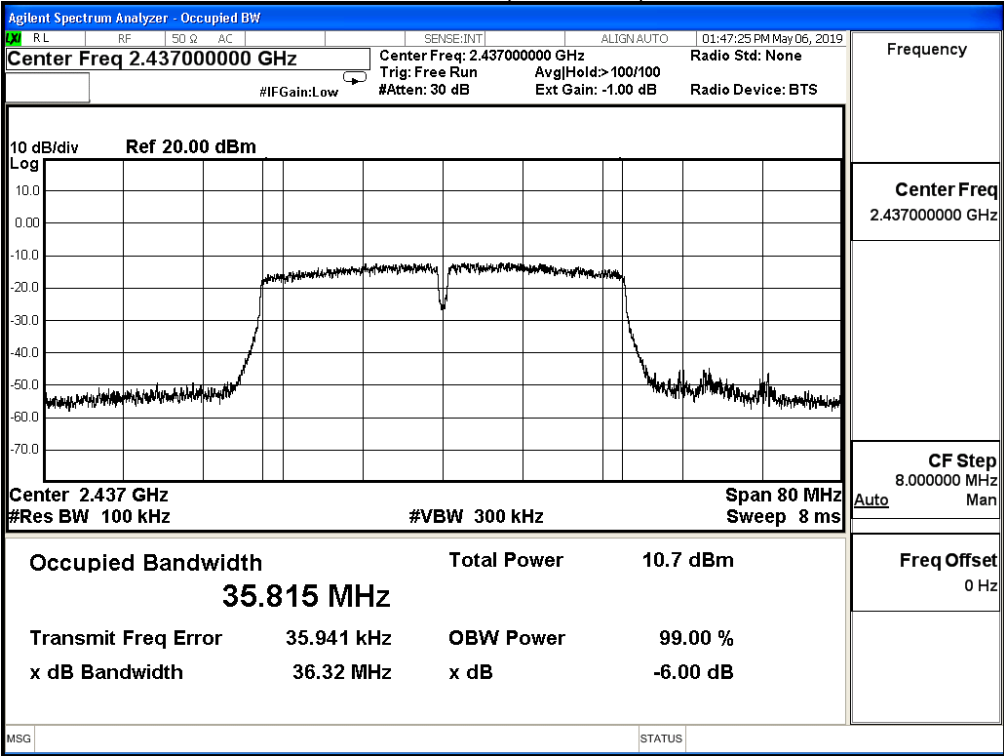
Product	LATTE ART PRINTER		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit Mode		
Date of Test	2019/05/06	Test Site	SR10-H
Test Temperature	24.1°C	Test Humidity	63.0%

IEEE 802.11n 40M (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
3	2422	36.30	≥ 0.5	Pass
6	2437	36.32	≥ 0.5	Pass
9	2452	36.06	≥ 0.5	Pass

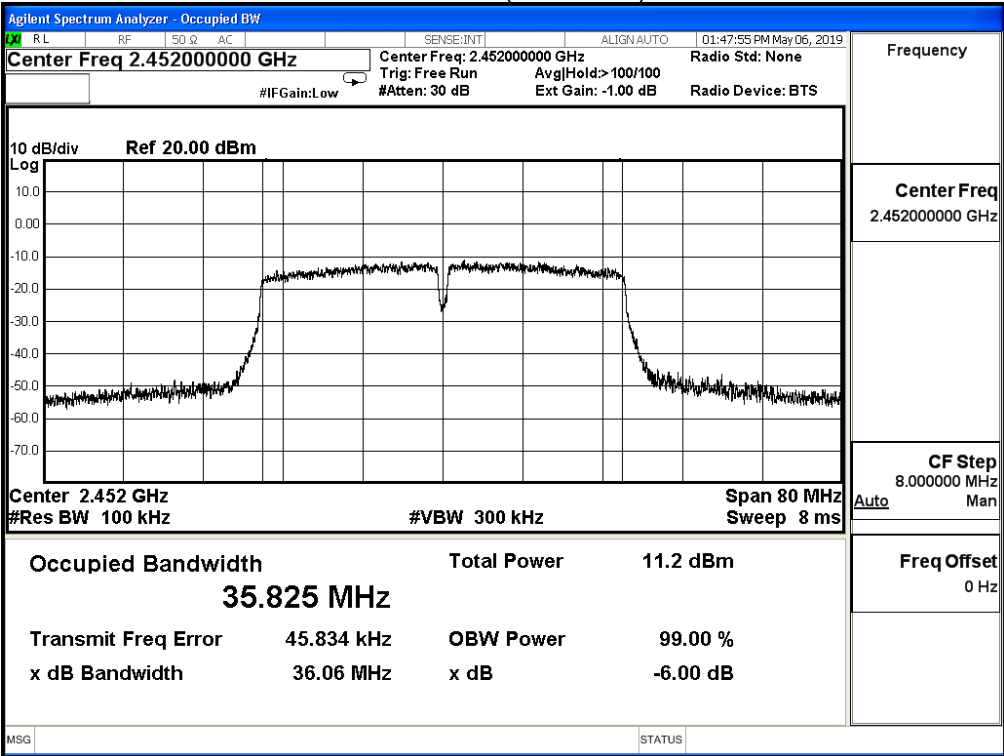
Channel 3 (2422MHz)



Channel 6 (2437MHz)

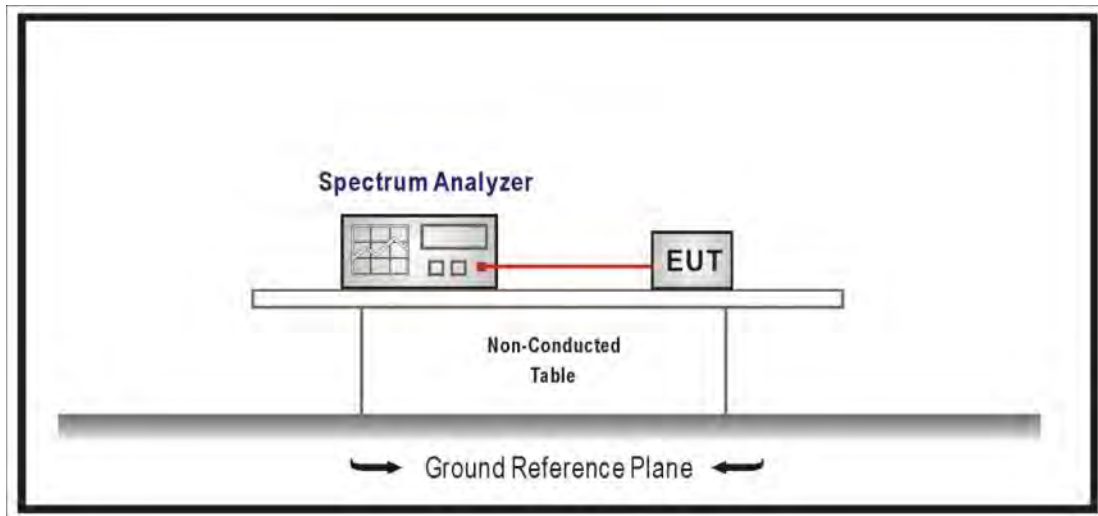


Channel 9 (2452MHz)



8. Occupied Bandwidth

8.1. Test Setup



8.2. Test Procedures

The EUT was setup according to ANSI C63.10: 2013; tested according to DTS test procedure of KDB558074 D01V05r02 for compliance to FCC 47CFR 15.247 requirements.

Set RBW = 1-5% of the OBW, Set the VBW $\geq 3 \times$ RBW, Sweep Time=Auto.

8.3. Limits

N/A

8.4. Test Specification

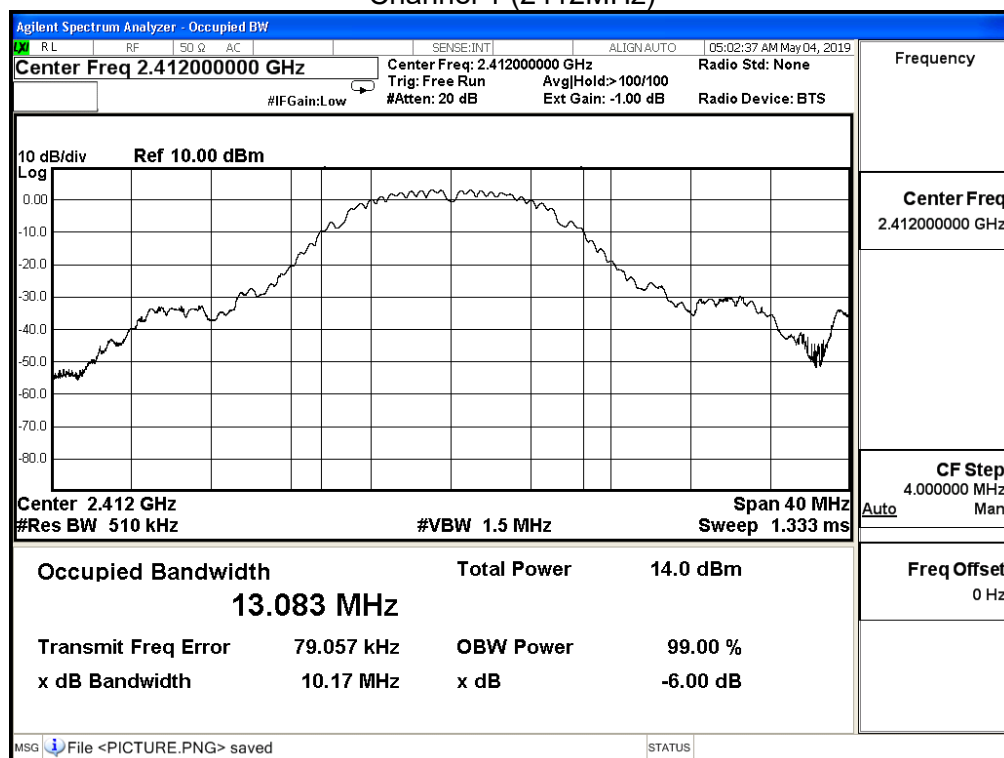
According to FCC Part 15 Subpart C Paragraph 15.247: 2019.

8.5. Test Result

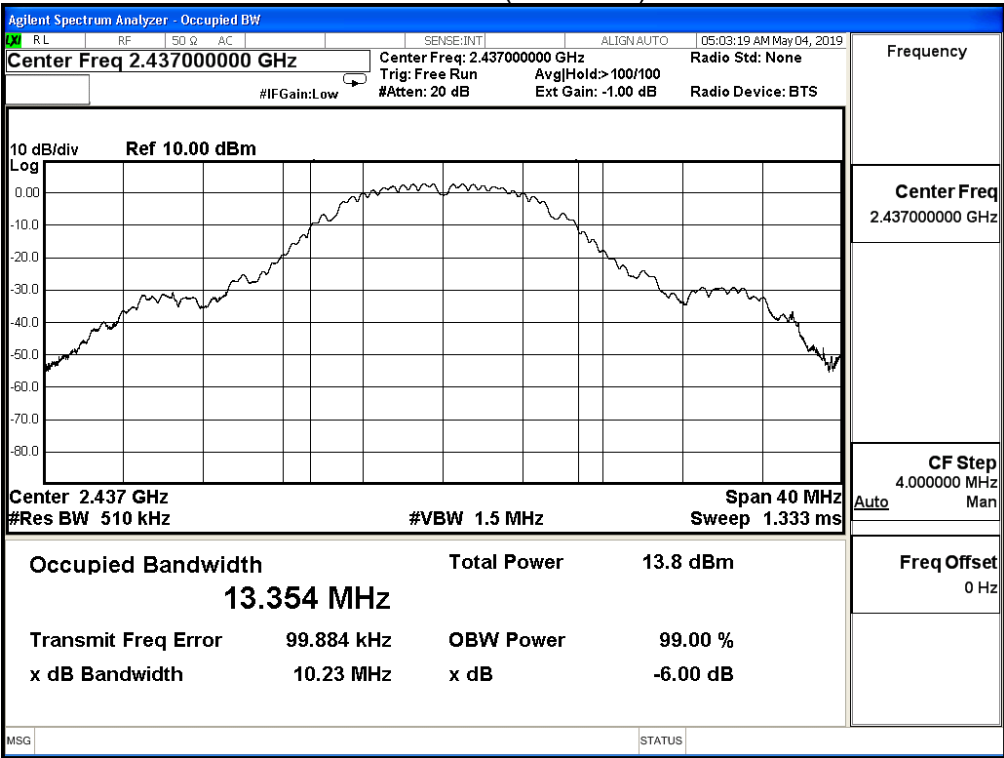
Product	LATTE ART PRINTER		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit Mode		
Date of Test	2019/05/04	Test Site	SR10-H
Test Temperature	23.4°C	Test Humidity	60.0%

802.11b (ANT 0)			
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
1	2412	13.083	---
6	2437	13.354	---
11	2462	13.619	---

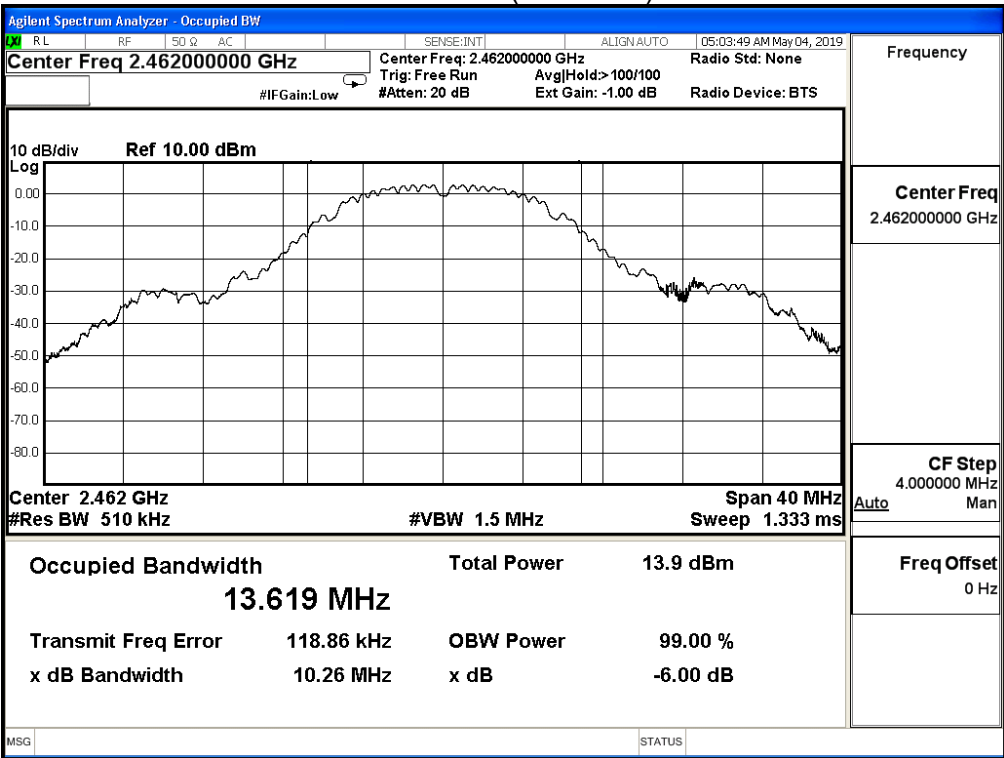
Channel 1 (2412MHz)



Channel 6 (2437MHz)

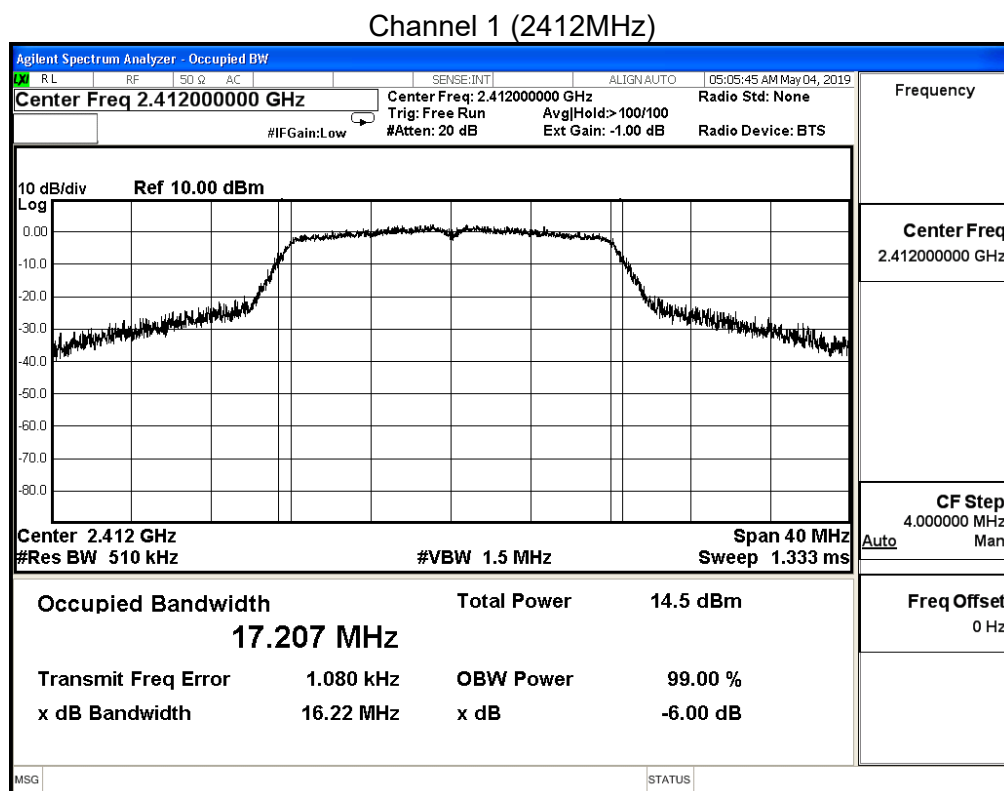


Channel 11 (2462MHz)

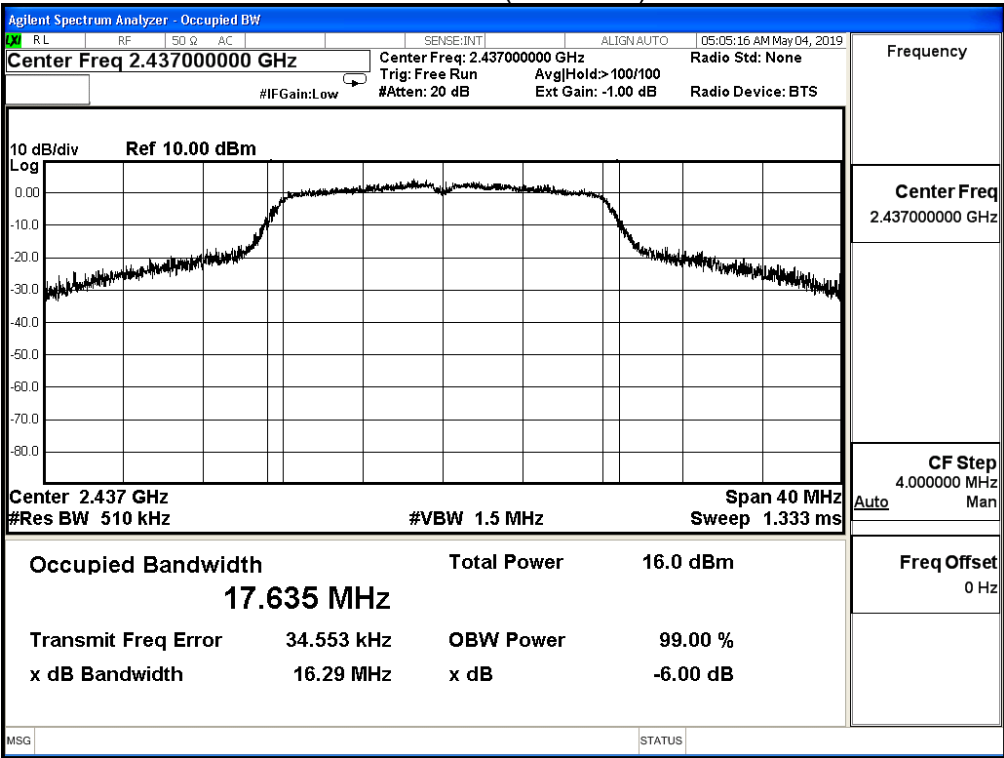


Product	LATTE ART PRINTER		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit Mode		
Date of Test	2019/05/04	Test Site	SR10-H
Test Temperature	23.4℃	Test Humidity	60.0%

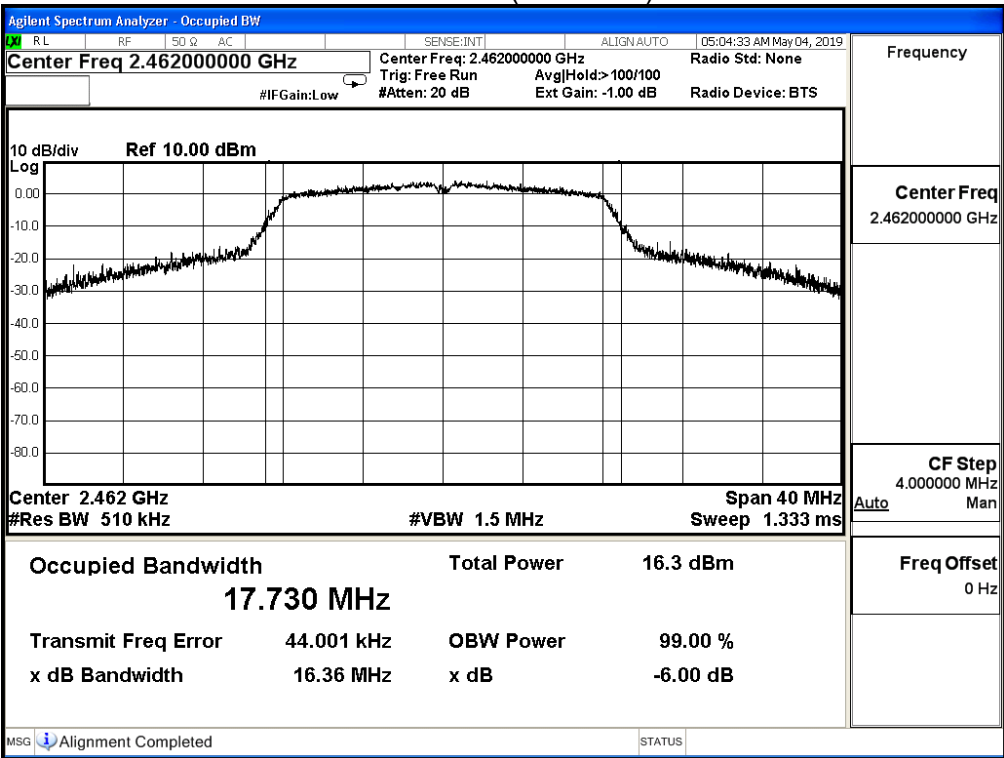
802.11g (ANT 0)			
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
1	2412	17.207	---
6	2437	17.635	---
11	2462	17.730	---



Channel 6 (2437MHz)



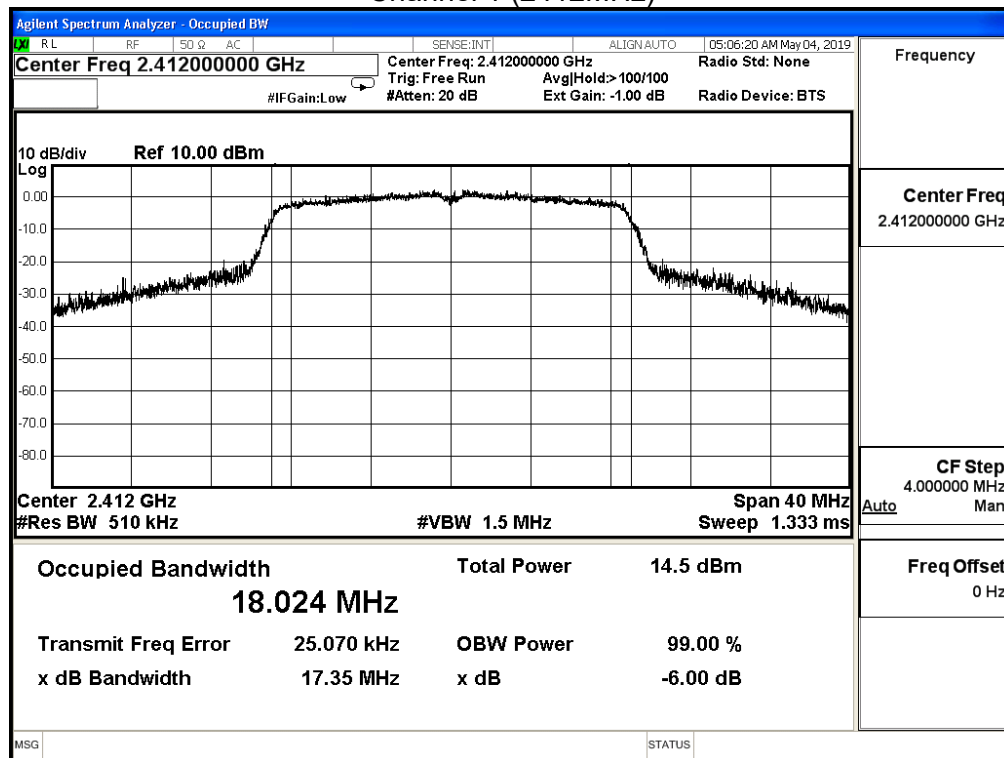
Channel 11 (2462MHz)



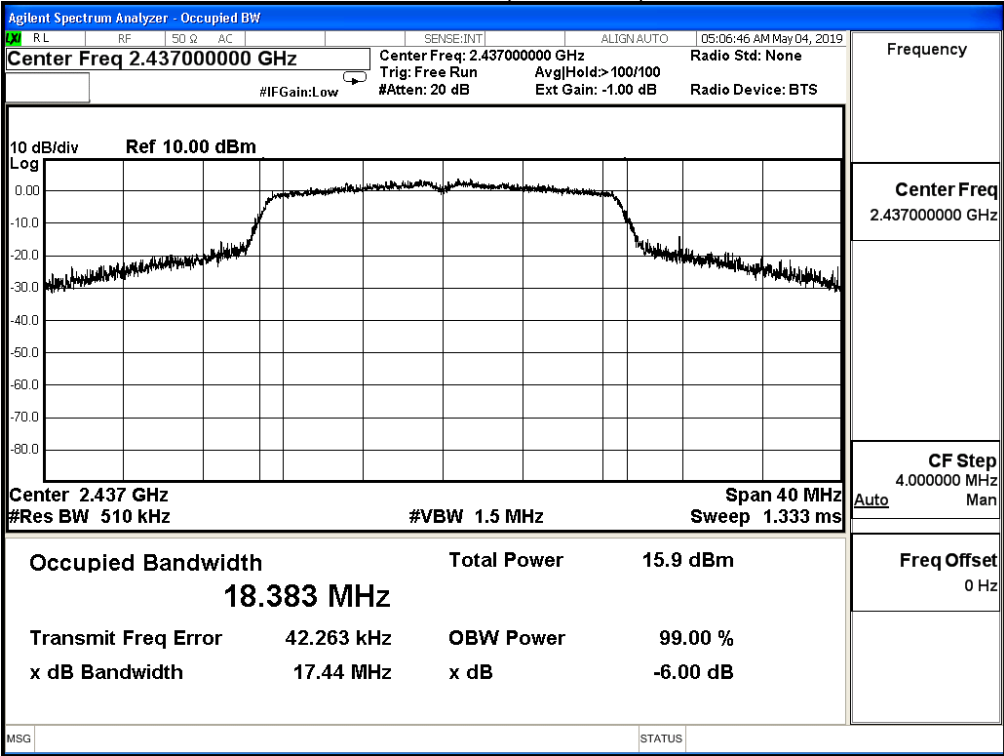
Product	LATTE ART PRINTER		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit Mode		
Date of Test	2019/05/04	Test Site	SR10-H
Test Temperature	23.4°C	Test Humidity	60.0%

IEEE 802.11n 20M (ANT 0)			
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
1	2412	18.024	---
6	2437	18.383	---
11	2462	18.434	---

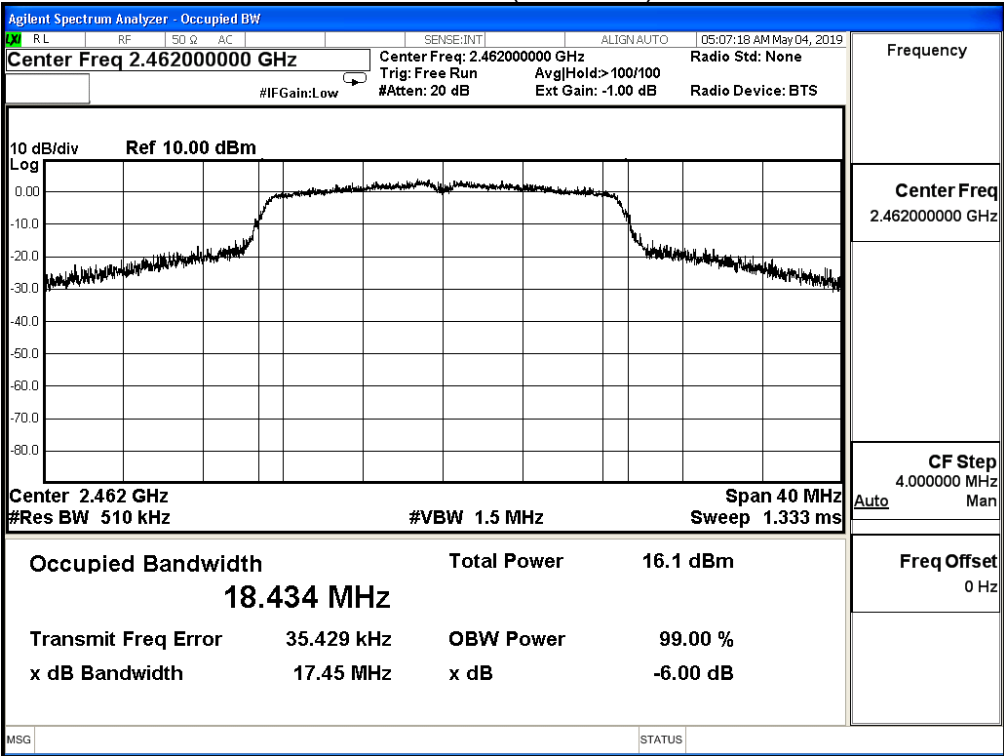
Channel 1 (2412MHz)



Channel 6 (2437MHz)



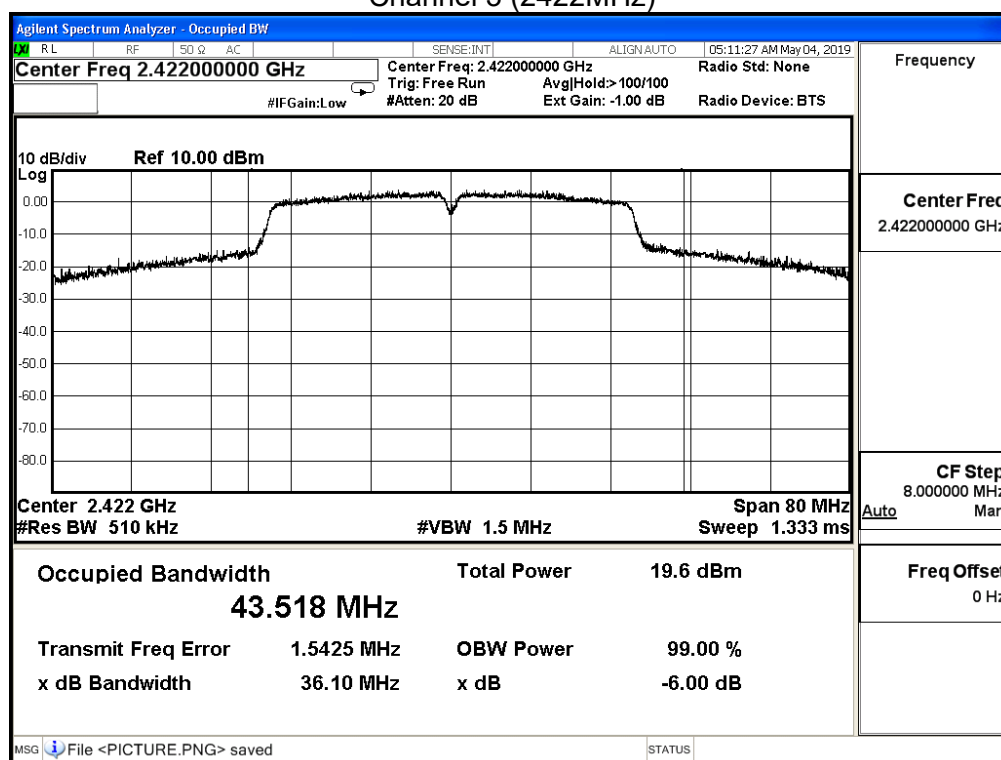
Channel 11 (2462MHz)



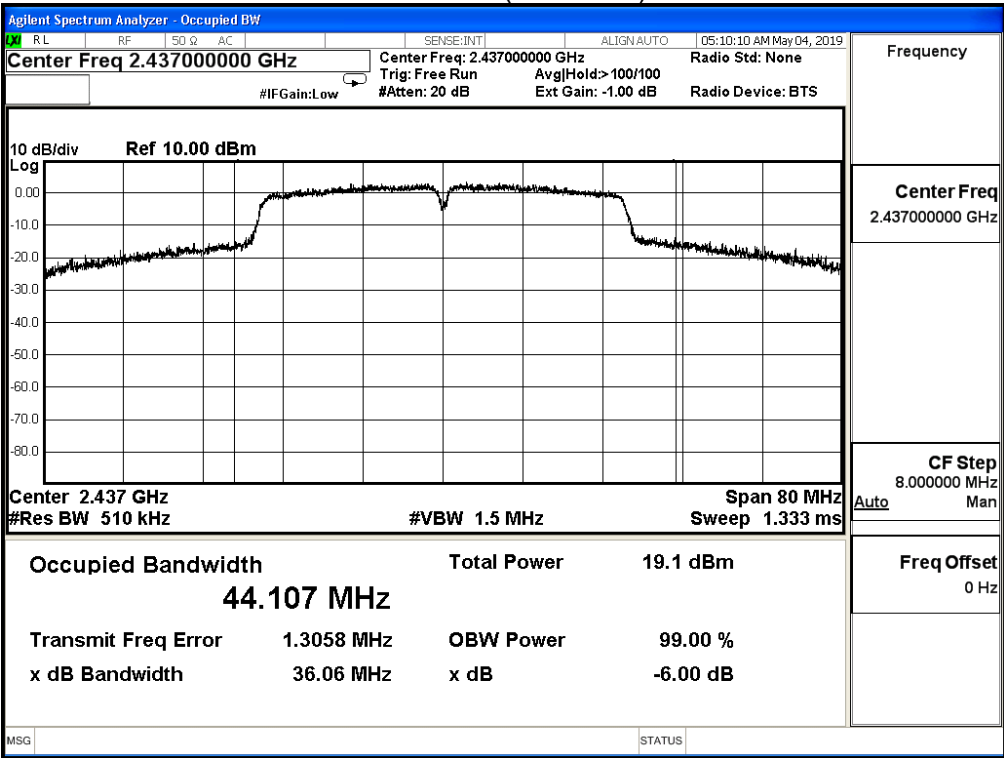
Product	LATTE ART PRINTER		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit Mode		
Date of Test	2019/05/04	Test Site	SR10-H
Test Temperature	23.4°C	Test Humidity	60.0%

IEEE 802.11n 40M (ANT 0)			
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
3	2422	43.518	---
6	2437	44.107	---
9	2452	44.604	---

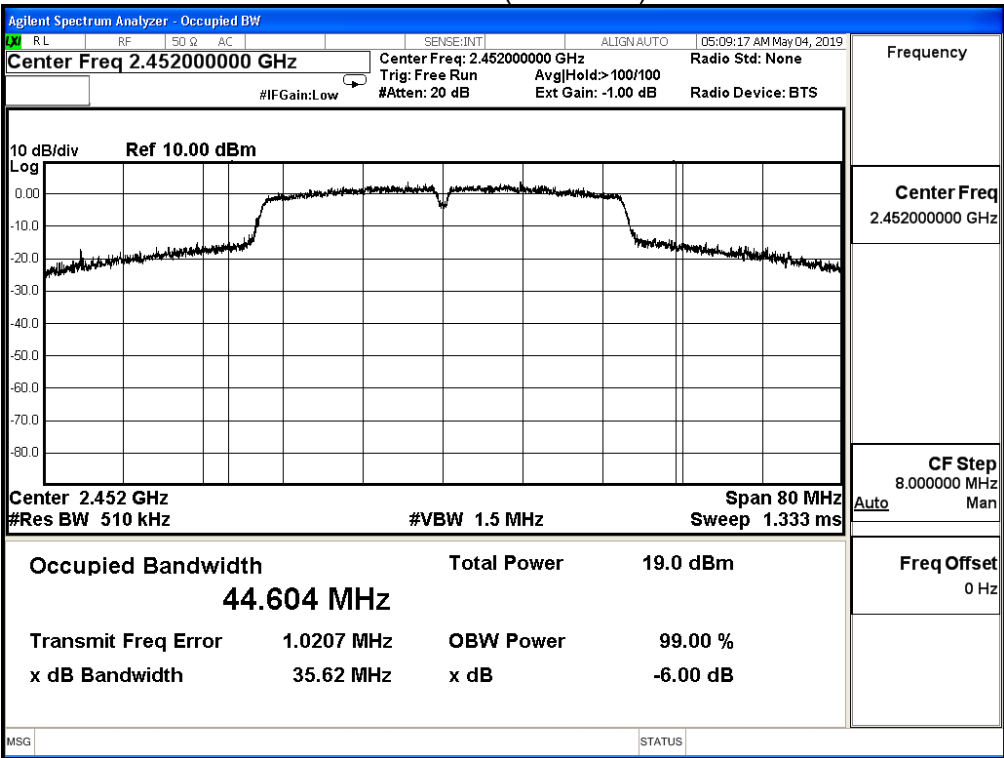
Channel 3 (2422MHz)



Channel 6 (2437MHz)

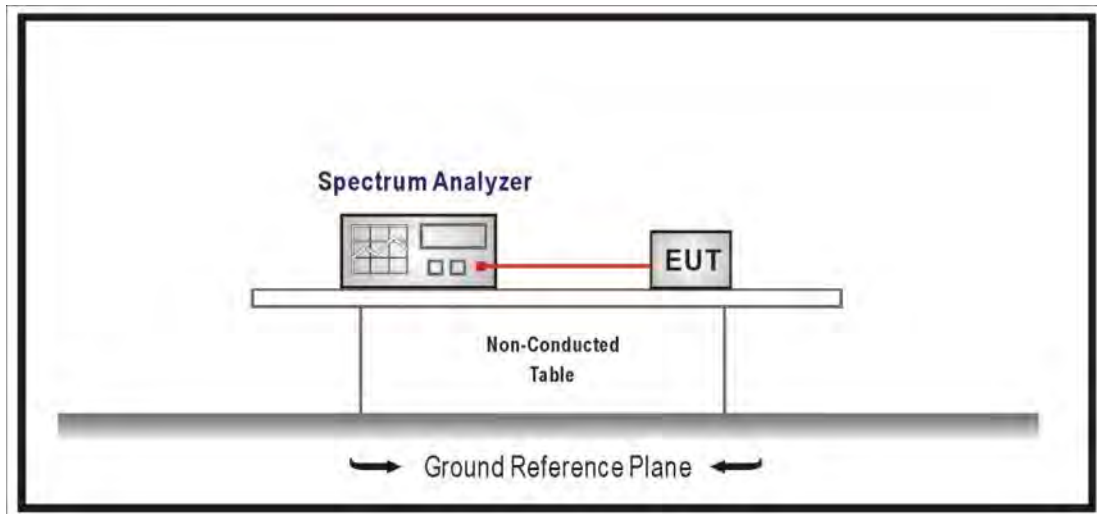


Channel 9 (2452MHz)



9. Power Density

9.1. Test Setup



9.2. Limits

The peak power spectral density conducted from the intentional radiated to the antenna shall not be greater than +8dBm in any 3kHz band during any time interval of continuous transmission.

9.3. Test Procedures

The EUT was setup according to ANSI C63.10: 2013; tested according to DTS test procedure section 10.2 of KDB558074 D01V05r02 for compliance to FCC 47CFR 15.247 requirements. Set 3KHz $\leq$ RBW $\leq$ 100 kHz, Set VBW $\geq$ 3xRBW, Sweep time=Auto, Set Peak detector.

9.4. Test Specification

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

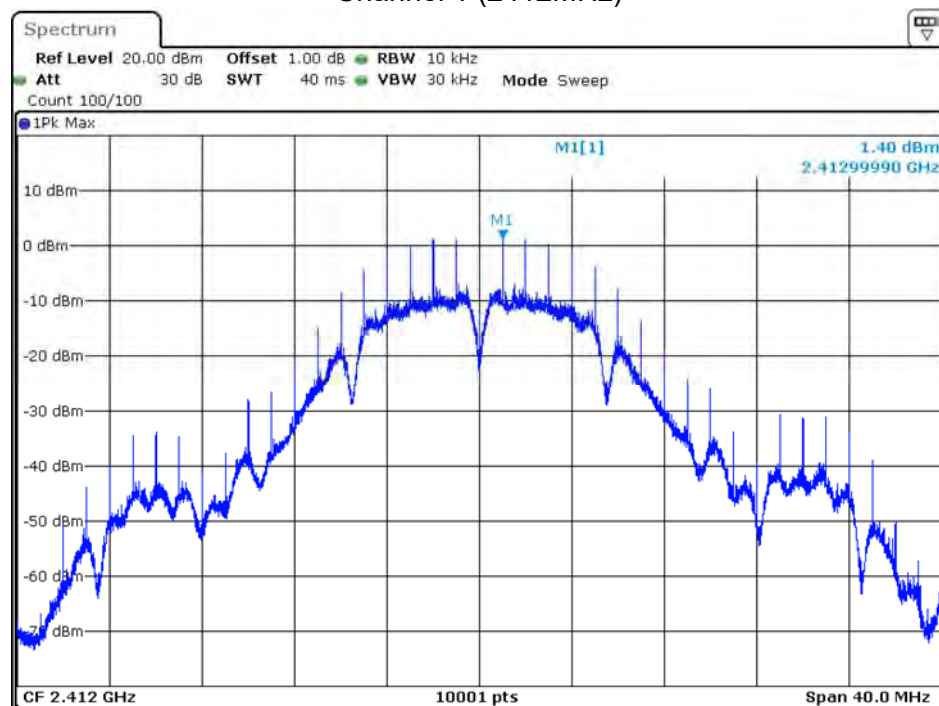
9.5. Test Result

Product	LATTE ART PRINTER		
Test Item	Power Density		
Test Mode	Mode 1: Transmit Mode		
Date of Test	2019/05/21	Test Site	SR10-H
Test Temperature	24.1°C	Test Humidity	60.0%

IEEE 802.11b (ANT 0)

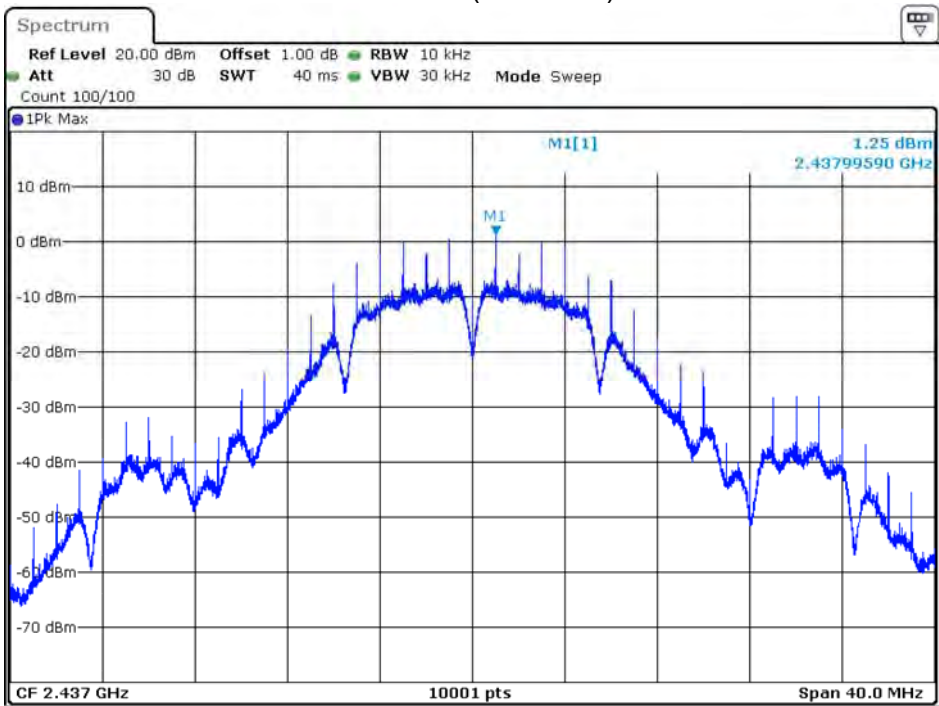
Channel No.	Frequency (MHz)	Measure Level (dBm/RBW)	Limit (dBm/3kHz)	Result
1	2412	1.40	≤ 8	Pass
6	2437	1.25	≤ 8	Pass
11	2462	1.53	≤ 8	Pass

Channel 1 (2412MHz)



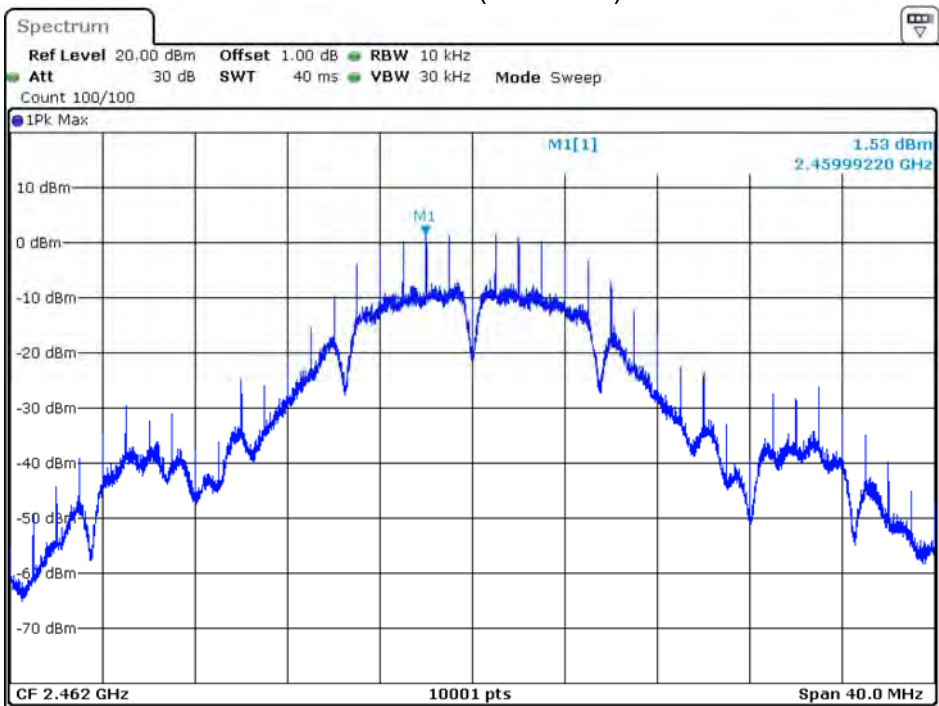
Date: 21.MAY.2019 07:01:22

Channel 6 (2437MHz)



Date: 21.MAY.2019 07:09:24

Channel 11 (2462MHz)

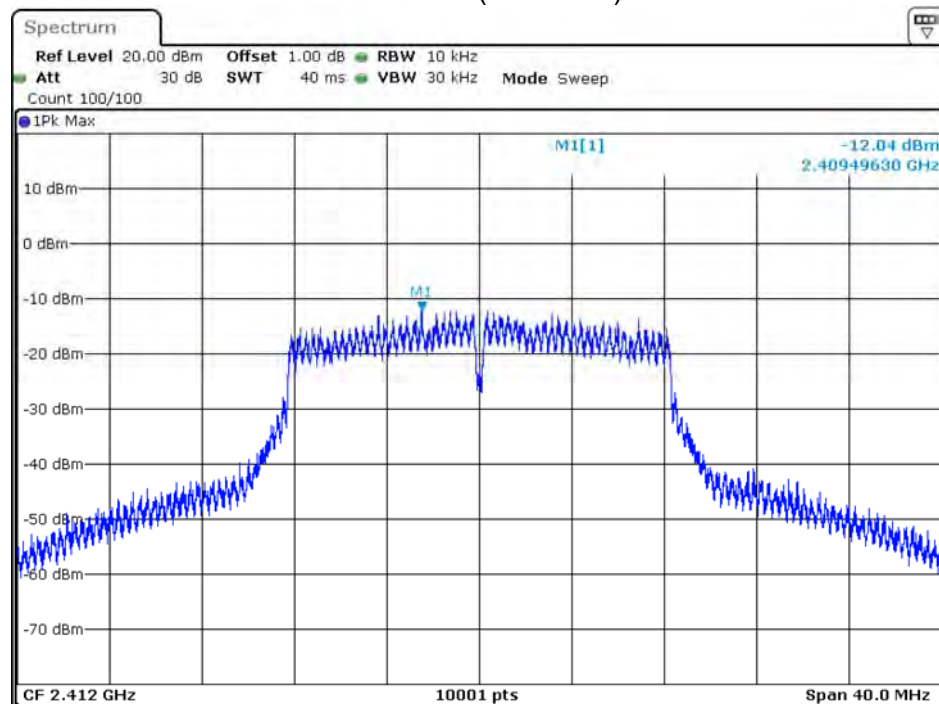


Date: 21.MAY.2019 07:14:53

Product	LATTE ART PRINTER		
Test Item	Power Density		
Test Mode	Mode 1: Transmit Mode		
Date of Test	2019/05/21	Test Site	SR10-H
Test Temperature	24.1°C	Test Humidity	60.0%

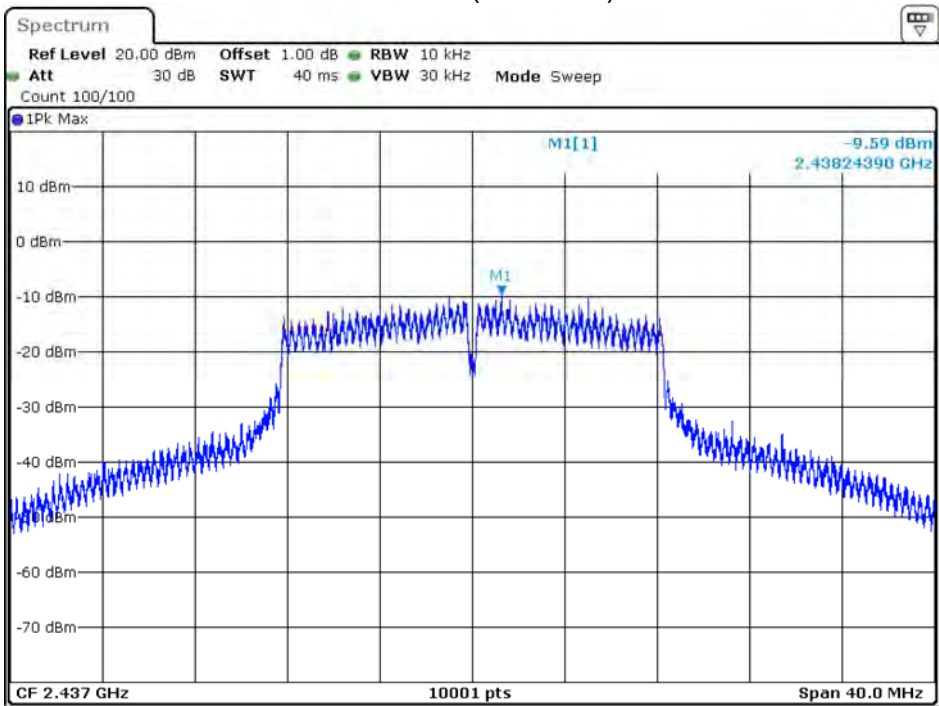
IEEE 802.11g (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm/RBW)	Limit (dBm/3kHz)	Result
1	2412	-12.04	≤ 8	Pass
6	2437	-9.59	≤ 8	Pass
11	2462	-9.91	≤ 8	Pass

Channel 1 (2412MHz)



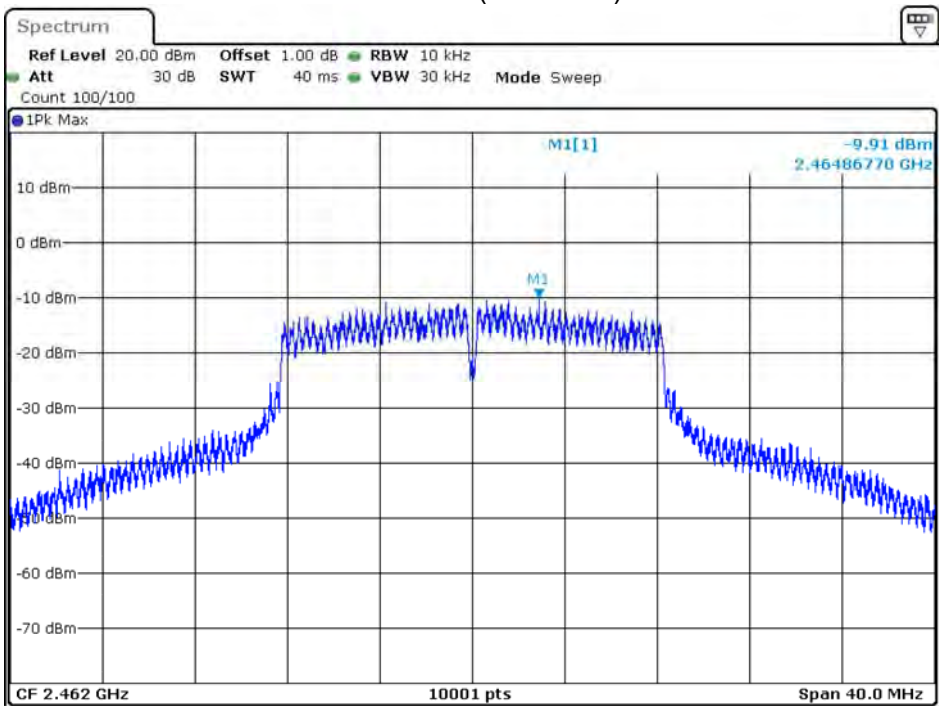
Date: 21.MAY.2019 07:03:09

Channel 6 (2437MHz)



Date: 21.MAY.2019 07:10:35

Channel 11 (2462MHz)

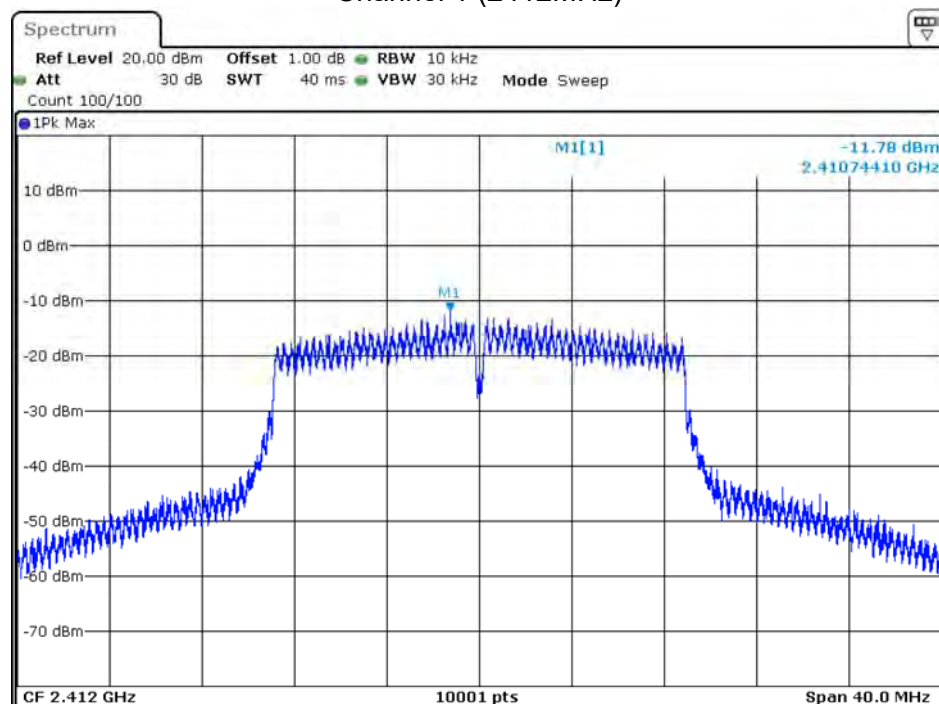


Date: 21.MAY.2019 07:12:27

Product	LATTE ART PRINTER		
Test Item	Power Density		
Test Mode	Mode 1: Transmit Mode		
Date of Test	2019/05/21	Test Site	SR10-H
Test Temperature	24.1°C	Test Humidity	60.0%

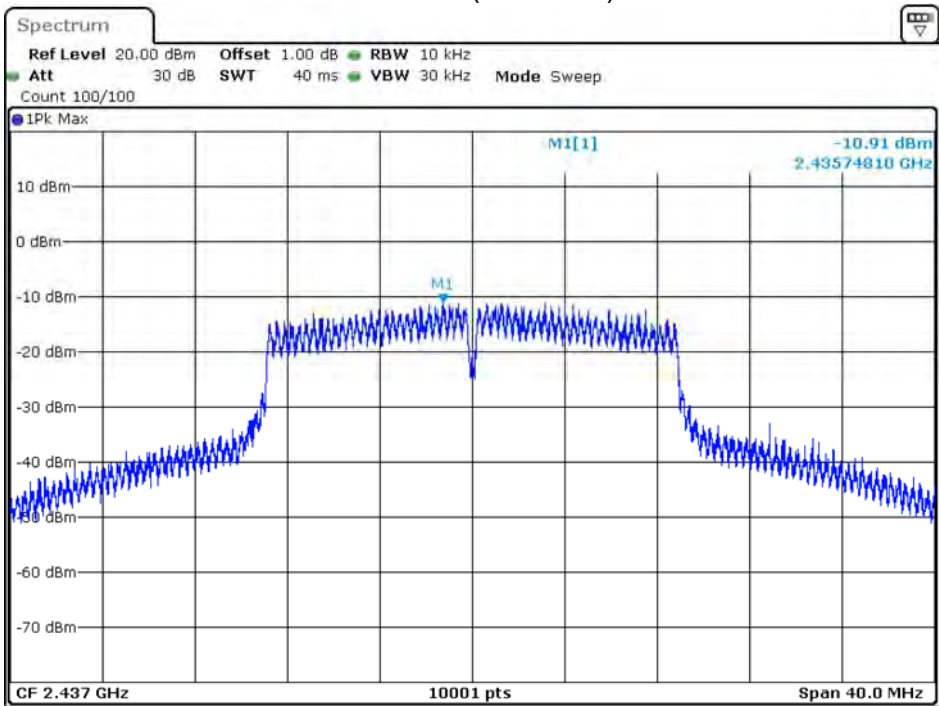
IEEE 802.11n 20M (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm/RBW)	Limit (dBm/3kHz)	Result
1	2412	-11.78	≤ 8	Pass
6	2437	-10.91	≤ 8	Pass
11	2462	-9.06	≤ 8	Pass

Channel 1 (2412MHz)



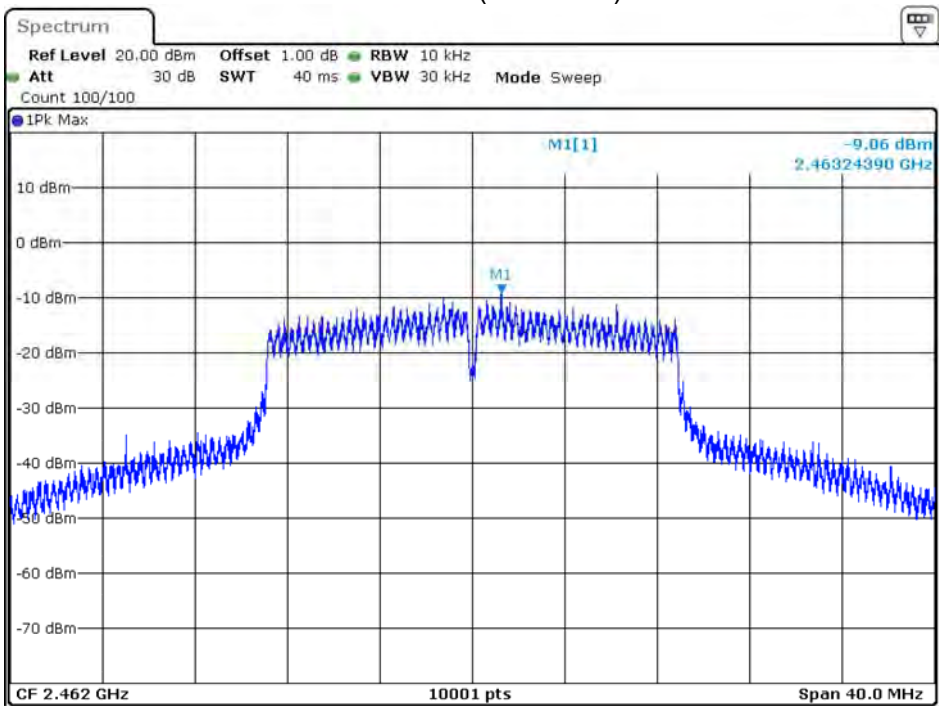
Date: 21.MAY.2019 07:04:02

Channel 6 (2437MHz)



Date: 21.MAY.2019 07:05:11

Channel 11 (2462MHz)

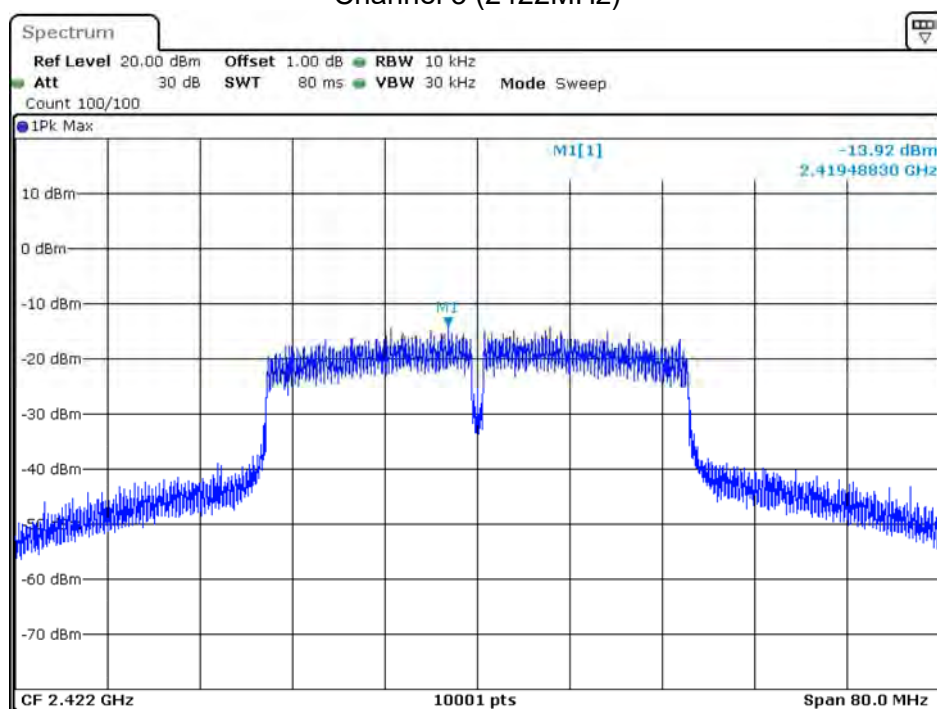


Date: 21.MAY.2019 07:15:57

Product	LATTE ART PRINTER		
Test Item	Power Density		
Test Mode	Mode 1: Transmit Mode		
Date of Test	2019/05/21	Test Site	SR10-H
Test Temperature	24.1°C	Test Humidity	60.0%

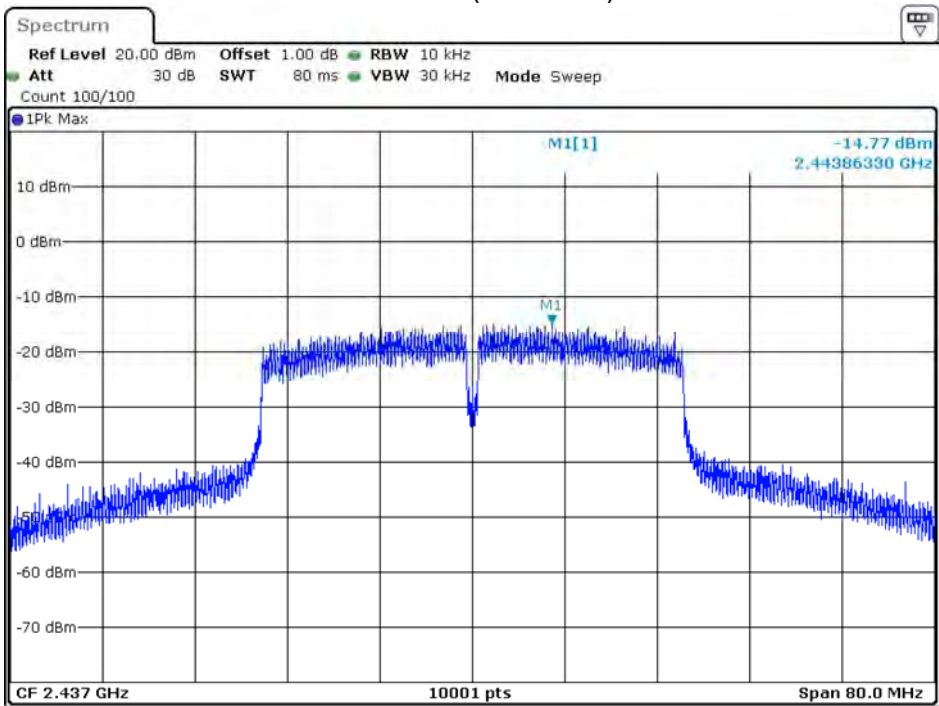
IEEE 802.11n 40M (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm/RBW)	Limit (dBm/3kHz)	Result
3	2422	-13.92	≤ 8	Pass
6	2437	-14.77	≤ 8	Pass
9	2452	-12.99	≤ 8	Pass

Channel 3 (2422MHz)



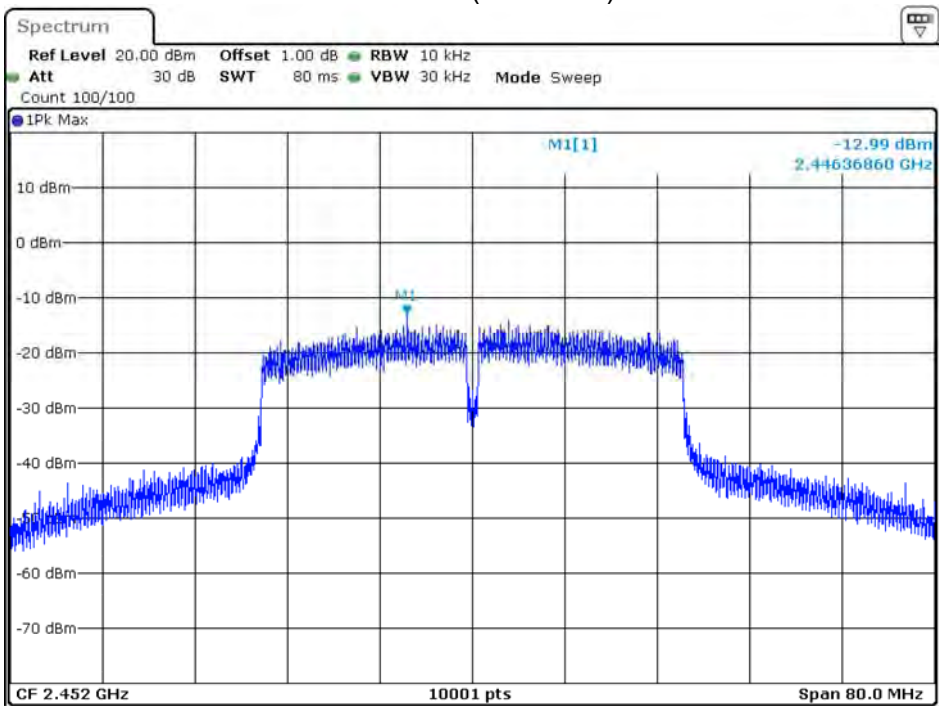
Date: 21.MAY.2019 07:18:34

Channel 6 (2437MHz)



Date: 21.MAY.2019 07:23:39

Channel 9 (2452MHz)



Date: 21.MAY.2019 07:25:00