

FCC Test Report

Product Name : N300 Wireless LAN USB Adapter
Model No. : EW-7822GTN 3.0A, EW-7722UTn V3
FCC ID. : NDD9578221902

Applicant : Edimax Technology Co., Ltd.

Address : No. 278, Xinhua 1st Road, Neihu District, Taipei City, Taiwan

Date of Receipt : May 07, 2019
Issued Date : Oct. 29, 2019
Report No. : 1950103R-RFUSP26V00
Report Version : V1.0



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Test Report Certification

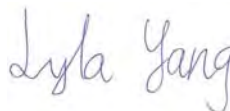
Issued Date : Oct. 29, 2019

Report No.: 1950103R-RFUSP26V00



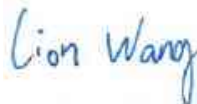
Product Name : N300 Wireless LAN USB Adapter
Applicant : Edimax Technology Co., Ltd.
Address : No. 278, Xinhua 1st Road, Neihu District, Taipei City, Taiwan
Manufacturer : Edimax Technology Co., Ltd.
Model No. : EW-7822GTN 3.0A, EW-7722UTn V3
FCC ID. : NDD9578221902
EUT Test Voltage : DC 5V
Testing Voltage : AC 120V/60Hz (Power by Notebook PC)
Applicable Standard : FCC CFR Title 47 Part 15 Subpart C Section 15.247: 2018
ANSI C63.10: 2013
KDB 558074 D01 v05r02
KDB 662911 D01 v02r01
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 :



(Lion Wang / Engineer)

Approved By :



(Louis Hsu / Deputy Manager)

Revision History

Report No.	Version	Description	Issued Date
1950103R-RFUSP26V00	V1.0	Initial issue of report	Oct. 29, 2019

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1. General Information

1.1. EUT Description

Product Name	N300 Wireless LAN USB Adapter	
Model No.	EW-7822GTN 3.0A, EW-7722UTn V3	
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 15 and bandwidth defined in 802.11n

Antenna Information	
MFR. / Model No.	ANT 0: LYNwave / ALX19M-052AA4
	ANT 1: LYNwave / ALX19M-052AA5
Antenna Type	PIFA antenna
Antenna Gain	1.3dBi

IEEE 802.11n

MCS Index	Modulation	R	N _{BPSCS}	N _{CBPS}		N _{DBPS}		Data Rate(Mb/s)			
				20MHz	40MHz	20MHz	40MHz	800ns GI		400ns GI	
								20MHz	40MHz	20MHz	40MHz
0	BPSK	1/2	1	52	108	26	54	6.5	13.5	7.2	15.0
1	QPSK	1/2	2	104	216	52	108	13.0	27.0	14.4	30.0
2	QPSK	3/4	2	104	216	78	162	19.5	40.5	21.7	45.0
3	16-QAM	1/2	4	208	432	104	216	26.0	54.0	28.9	60.0
4	16-QAM	3/4	4	208	432	156	324	39.0	81.0	43.3	90.0
5	64-QAM	2/3	6	312	648	208	432	52.0	108.0	57.8	120.0
6	64-QAM	3/4	6	312	648	234	486	58.5	121.5	65.0	135.0
7	64-QAM	5/6	6	312	648	260	540	65.0	135.0	72.2	150.0

Note 1: Support of 400ns GI is optional on transmit and receive.

Table 1 – MCS parameters for TX Antenna number = 1

MCS Index	Modulation	R	N _{BPSCS}	N _{CBPS}		N _{DBPS}		Data Rate(Mb/s)			
				20MHz	40MHz	20MHz	40MHz	800ns GI		400ns GI	
								20MHz	40MHz	20MHz	40MHz
8	BPSK	1/2	1	104	216	52	108	13.0	27.0	14.4	30.0
9	QPSK	1/2	2	208	432	104	216	26.0	54.0	28.9	60.0
10	QPSK	3/4	2	208	432	156	324	39.0	81.0	43.3	90.0
11	16-QAM	1/2	4	416	864	208	432	52.0	108.0	57.8	120.0
12	16-QAM	3/4	4	416	864	312	648	78.0	162.0	86.7	180.0
13	64-QAM	2/3	6	624	1296	416	864	104.0	216.0	115.6	240.0
14	64-QAM	3/4	6	624	1296	468	972	117.0	243.0	130.0	270.0
15	64-QAM	5/6	6	624	1296	520	1080	130.0	270.0	144.4	300.0

Note 1: Support of 400ns GI is optional on transmit and receive.

Table 2 – MCS parameters for TX Antenna number = 2

Symbol	Explanation
R	Code rate
N _{BPSCS}	Number of coded bits per single carrier
N _{CBPS}	Number of coded bits per symbol
N _{DBPS}	Number of data bits per symbol
GI	guard interval

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 a N300 Wireless LAN USB Adapter including 2.4GHz b/g/n transmitting and receiving function.
2. These test results on a sample of the device are for the purpose of demonstrating Compliance with Part 15 Subpart C Paragraph 15.247.
3. 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.
4. The difference between these models is for marketing purpose.

These model names have following difference:

Equipment Name	N300 Wireless LAN USB Adapter	
Model Name	EW-7822GTN 3.0A	EW-7722UTn V3
Shell Color	White	Black
EDIMAX logo	Without	With

5. 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_SISO Mode 2: Transmit Mode_MIMO
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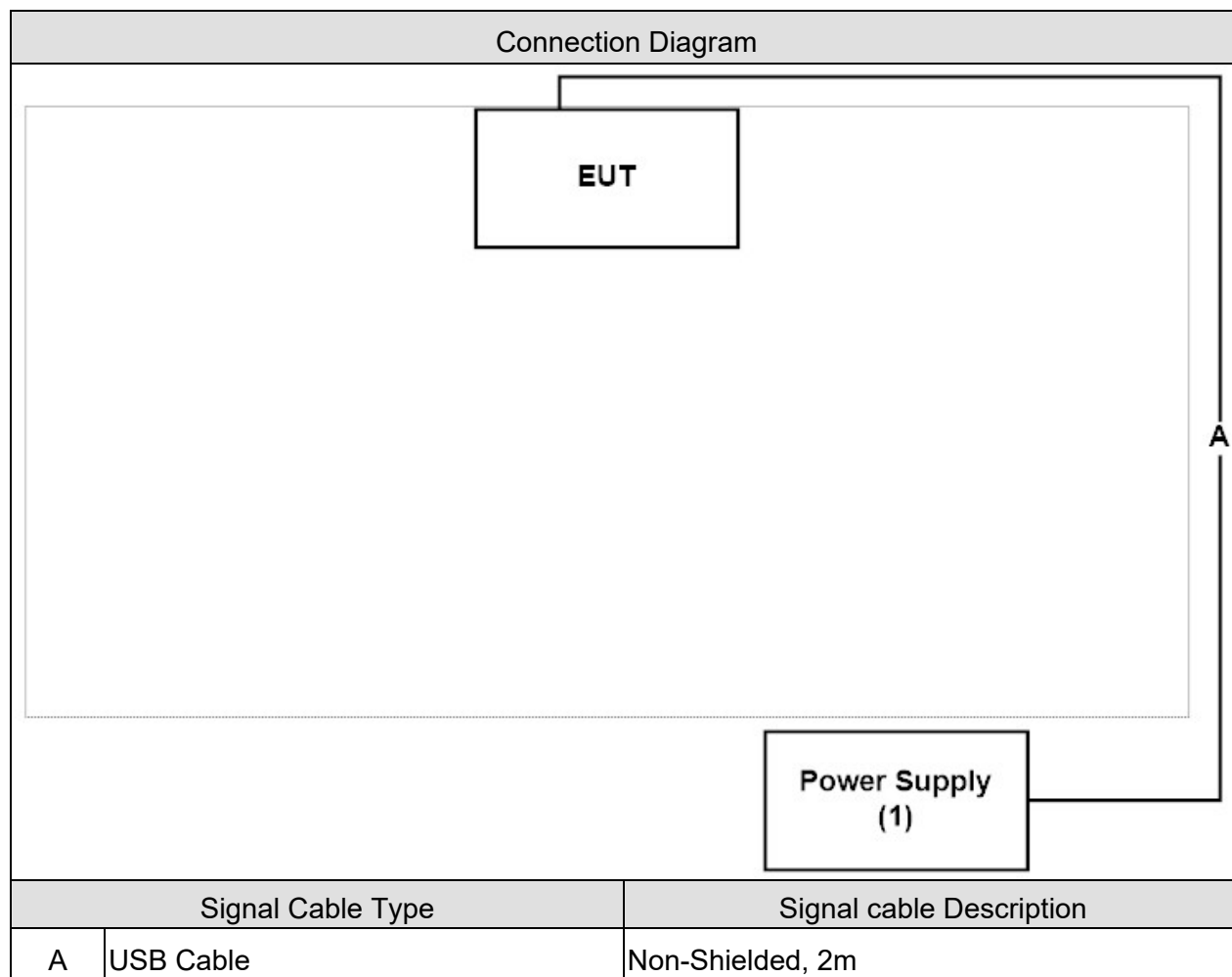
Test Items	Modulation	Channel	Antenna	Result
Conducted Emission	11n(40MHz)	6	0+1	Complies
Maximum peak conducted output power	11b/g	1/6/11	0/1	Complies
	11n(20MHz)	1/6/11	0+1	Complies
	11n(40MHz)	3/6/9	0+1	Complies
Radiated Emission	11b/g	1/6/11	0/1	Complies
	11n(20MHz)	1/6/11	0+1	Complies
	11n(40MHz)	3/6/9	0+1	Complies
RF antenna conducted test	11b/g	1/6/11	0/1	Complies
	11n(20MHz)	1/6/11	0/1	Complies
	11n(40MHz)	3/6/9	0/1	Complies
Radiated Emission Band Edge	11b/g	1/6/11	0/1	Complies
	11n(20MHz)	1/6/11	0+1	Complies
	11n(40MHz)	3/6/9	0+1	Complies
DTS Bandwidth	11b/g	1/6/11	0/1	Complies
	11n(20MHz)	1/6/11	0/1	Complies
	11n(40MHz)	3/6/9	0/1	Complies
Occupied Bandwidth	11b/g	1/6/11	0/1	Complies
	11n(20MHz)	1/6/11	0/1	Complies
	11n(40MHz)	3/6/9	0/1	Complies
Power Density	11b/g	1/6/11	0/1	Complies
	11n(20MHz)	1/6/11	0+1	Complies
	11n(40MHz)	3/6/9	0+1	Complies

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	Dell	E6320	5482288508	DoC	Non-Shielded, 1.8m, two ferrite cores bonded.

1.4. Configuration of tested System



1.5. EUT Exercise Software

1	Setup the EUT as shown in Section 1.4.
2	Execute the "MPTool" on the PC.
3	Configure the test mode, the test channel, and the data rate.
4	Make the EUT to start the continuous transmitting.
5	Verify that the EUT works properly.

1.6. Test Facility

Ambient conditions in the laboratory:

Items	Test Item	Required (IEC 68-1)	Actual	Test Site
Temperature (°C)	FCC PART 15 C 15.207 Conducted Emission	15 - 35	20	3
Humidity (%RH)		25 - 75	50	
Barometric pressure (mbar)		860 - 1060	950-1000	
Temperature (°C)	FCC PART 15 C 15.247 Maximum peak conducted output power	15 - 35	25	3
Humidity (%RH)		25 - 75	45	
Barometric pressure (mbar)		860 - 1060	950-1000	
Temperature (°C)	FCC PART 15 C 15.247 Radiated Emission	15 - 35	25	2
Humidity (%RH)		25 - 75	65	
Barometric pressure (mbar)		860 - 1060	950-1000	
Temperature (°C)	FCC PART 15 C 15.247 RF antenna conducted test	15 - 35	25	3
Humidity (%RH)		25 - 75	45	
Barometric pressure (mbar)		860 - 1060	950-1000	
Temperature (°C)	FCC PART 15 C 15.247 Radiated Emission Band Edge	15 - 35	25	2
Humidity (%RH)		25 - 75	48	
Barometric pressure (mbar)		860 - 1060	950-1000	
Temperature (°C)	FCC PART 15 C 15.247 Occupied Bandwidth & DTS Bandwidth	15 - 35	25	3
Humidity (%RH)		25 - 75	45	
Barometric pressure (mbar)		860 - 1060	950-1000	
Temperature (°C)	FCC PART 15 C 15.247 Power Density	15 - 35	25	3
Humidity (%RH)		25 - 75	45	
Barometric pressure (mbar)		860 - 1060	950-1000	

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>

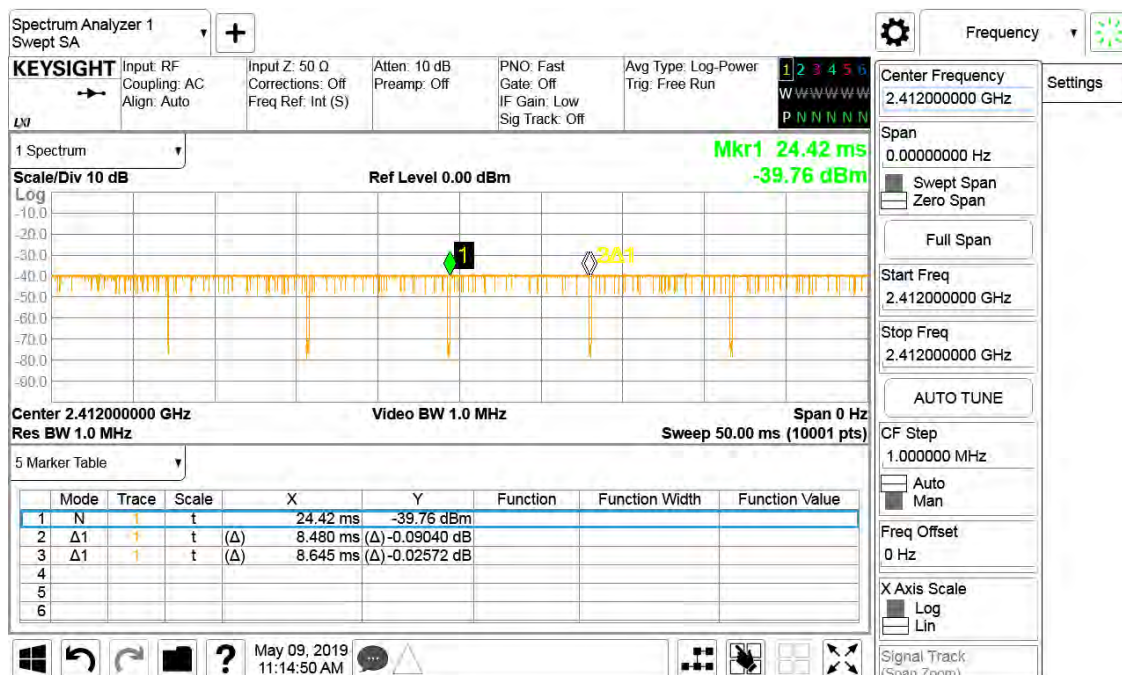
If you have any comments, please don't hesitate to contact us. Our test sites as below:

Test Laboratory	DEKRA Testing and Certification Co., Ltd.
Address	1. No. 75-2, 3rd Lin, WangYe Keng, Yonghxing Tsuen, Qionglin Shiang, Hsinchu County 307, Taiwan, R.O.C. 2. No.372, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County 31061, Taiwan, R.O.C. 3. No.372-2, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County 31061, Taiwan, R.O.C.
Phone number	1. +886-3-592-8858 2. +886-3-582-8001 3. +886-3-582-8001
Fax number	1. +886-3-592-8859 2. +886-3-582-8958 3. +886-3-582-8958
E mail address	info.tw@dekra.com
Website	http://www.dekra.com.tw

1.7. Duty Cycle

2.4GHz mode					
Mode	On Time (ms)	On+Off Time (ms)	Duty Cycle (%)	Duty Factor(dB) linear voltage	1/T Minimum VBW (kHz)
802.11b	8.480	8.645	98.09%	0.167383	0.010
802.11g	1.386	1.524	90.94%	0.824435	0.722
802.11n HT20	1.303	1.413	92.22%	0.703955	0.767
802.11n HT40	0.651	0.795	81.89%	1.735723	1.536

802.11b



802.11g



802.11n (20M)**802.11n (40M)**

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	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
Pulse Power Sensor	Anritsu	MA2411B	1531043	2018/12/17	2019/12/16
Pulse Power Sensor	Anritsu	MA2411B	1531044	2018/12/17	2019/12/16
Power Meter	Keysight	8990B	MY51000248	2019/05/21	2020/05/20
Power Sensor	Keysight	N1923A	MY57240005	2019/05/21	2020/05/20

Radiated Emission / CB2-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 & Spectrum Analyzer	R&S	FSV40	101049	2018/12/21	2019/12/20
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
Pre-Amplifier	DEKRA	AP-025C	201801236	2019/02/18	2020/02/17
Pre-Amplifier	EMCI	EMC11830I	980366	2018/12/21	2019/12/20
Pre-Amplifier	DEKRA	AP-400C	201801231	2018/12/05	2019/12/04
Horn Antenna	Schwarzbeck	BBHA 9120D	01656	2018/10/17	2019/10/16
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(16m)	Huber+Suhner	SF104	CB2-H	2018/08/21	2019/08/20
Coaxial Cable(16m)	Huber+Suhner	SF104	CB2-H	2019/07/25	2020/07/24
EMI system	DEKRA	Version 1.0	CB2-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

Radiated Emission Band Edge / CB2-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 & Spectrum Analyzer	R&S	FSV40	101049	2018/12/21	2019/12/20
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
Pre-Amplifier	DEKRA	AP-025C	201801236	2019/02/18	2020/02/17
Pre-Amplifier	EMCI	EMC11830I	980366	2018/12/21	2019/12/20
Pre-Amplifier	DEKRA	AP-400C	201801231	2018/12/05	2019/12/04
Horn Antenna	Schwarzbeck	BBHA 9120D	01656	2018/10/17	2019/10/16
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(16m)	Huber+Suhner	SF104	CB2-H	2018/08/21	2019/08/20
Coaxial Cable(16m)	Huber+Suhner	SF104	CB2-H	2019/07/25	2020/07/24
EMI system	DEKRA	Version 1.0	CB2-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

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

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

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

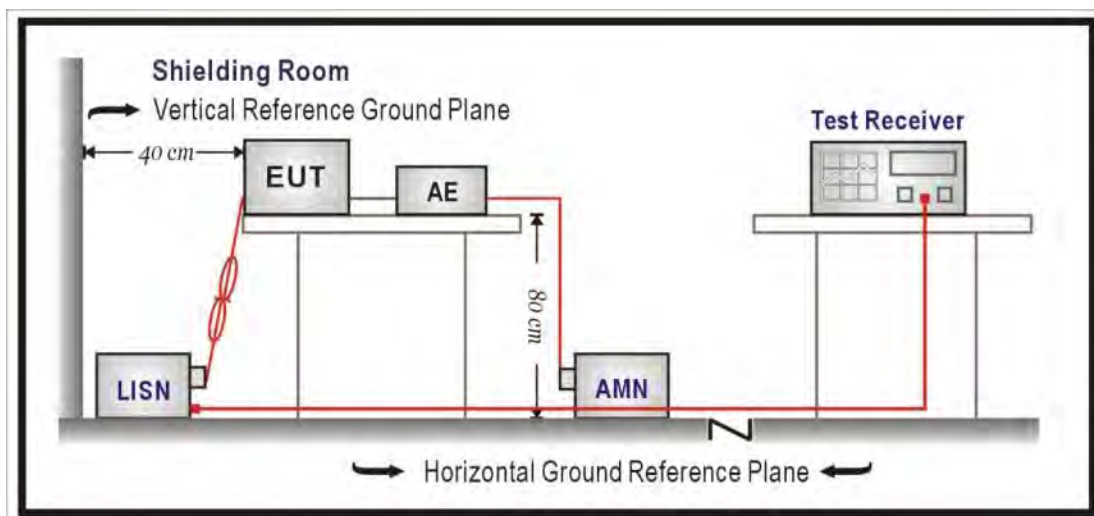
1.9. Uncertainty

Test item	Uncertainty
Conducted Emission	$\pm 2.34\text{dB}$
Maximum peak conducted output power	$\pm 1.16\text{dB}$
Radiated Emission	$\pm 3.40\text{dB}$ below 1GHz $\pm 3.46\text{dB}$ above 1GHz
RF antenna conducted test	$\pm 3.46\text{dB}$ above 1GHz
Radiated Emission Band Edge	$\pm 2.11\text{dB}$
DTS Bandwidth	$\pm 282\text{Hz}$
Occupied Bandwidth	$\pm 282\text{Hz}$
Power Density	$\pm 2.11\text{dB}$

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

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 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.

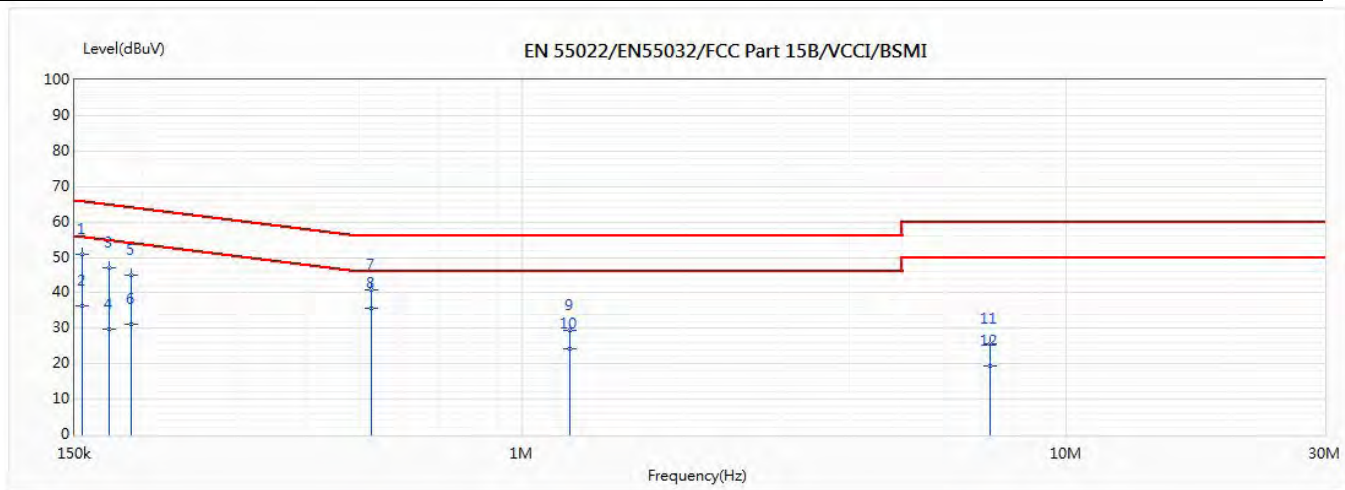
Conducted emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9 kHz.

2.4. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.207: 2018.

2.5. Test Result

Site :	SR2-H	Engineer :	Lion
Model No :	EW-7822GTN 3.0A	Test Date :	2019/8/29
Test Voltage :	AC 120V/60Hz (Power by Notebook PC)	Phase :	L1
Test Mode :	Mode 2: Transmit Mode_MIMO		
Note :			

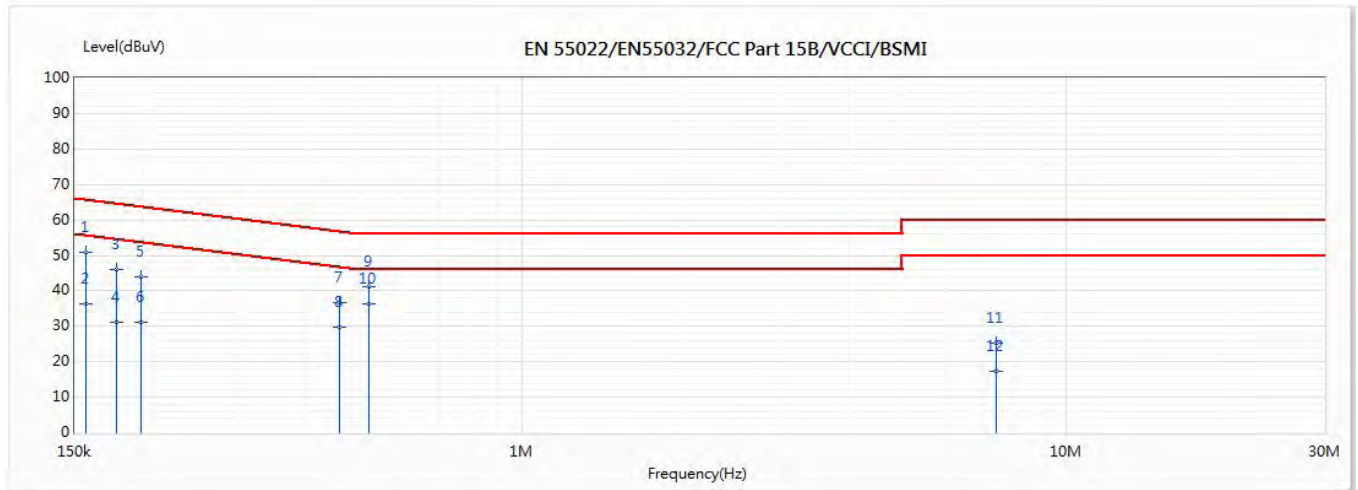


No	Frequency (MHz)	Emission Level (dBuV)	Limit (dBuV)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	0.154	50.77	65.87	-15.10	41.10	9.67	QP
2	0.154	36.28	55.87	-19.60	26.61	9.67	AV
3	0.174	46.91	65.32	-18.41	37.24	9.67	QP
4	0.174	29.93	55.32	-25.39	20.26	9.67	AV
5	0.191	45.05	64.84	-19.79	35.38	9.67	QP
6	0.191	31.08	54.84	-23.76	21.41	9.67	AV
7	0.527	40.87	56.00	-15.13	31.19	9.68	QP
*8	0.527	35.58	46.00	-10.42	25.90	9.68	AV
9	1.224	29.54	56.00	-26.46	19.75	9.79	QP
10	1.224	24.33	46.00	-21.67	14.54	9.79	AV
11	7.266	25.53	60.00	-34.47	15.59	9.93	QP
12	7.266	19.23	50.00	-30.77	9.30	9.93	AV

Note:

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

Site :	SR2-H	Engineer :	Lion
Model No :	EW-7822GTN 3.0A	Test Date :	2019/8/29
Test Voltage :	AC 120V/60Hz (Power by Notebook PC)	Phase :	L2
Test Mode :	Mode 2: Transmit Mode_MIMO		
Note :			



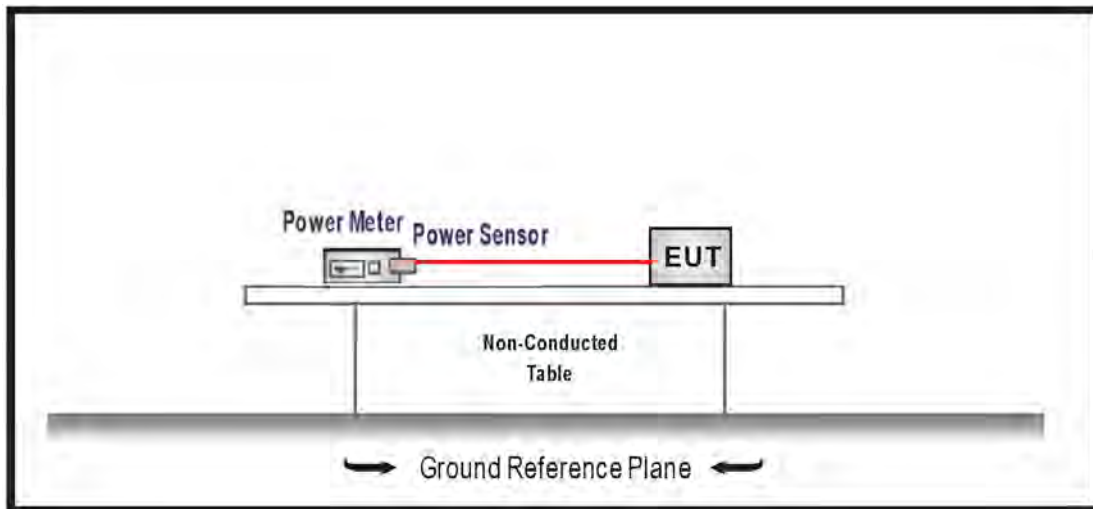
No	Frequency (MHz)	Emission Level (dBuV)	Limit (dBuV)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	0.157	50.90	65.79	-14.89	41.21	9.69	QP
2	0.157	36.24	55.79	-19.55	26.55	9.69	AV
3	0.179	46.03	65.17	-19.15	36.34	9.68	QP
4	0.179	31.00	55.17	-24.17	21.32	9.68	AV
5	0.199	43.93	64.61	-20.69	34.25	9.68	QP
6	0.199	31.10	54.61	-23.51	21.42	9.68	AV
7	0.46	36.59	57.15	-20.57	26.91	9.68	QP
8	0.46	29.79	47.15	-17.36	20.11	9.68	AV
9	0.523	41.31	56.00	-14.69	31.62	9.68	QP
*10	0.523	36.34	46.00	-9.66	26.65	9.68	AV
11	7.463	25.17	60.00	-34.83	15.19	9.98	QP
12	7.463	17.15	50.00	-32.85	7.17	9.98	AV

Note:

1. All Reading Levels is Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Emission 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 8.3.1.3 of KDB 558074 D01 v05r02 & Subclause 11.9.1.3 of ANSI C63.10 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: 2018.

3.5. Test Result

Product	N300 Wireless LAN USB Adapter		
Test Item	Maximum peak conducted output power		
Test Mode	Mode 1: Transmit Mode_SISO		
Date of Test	2019/09/12	Test Site	SR10-H

IEEE 802.11b (ANT 0)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	18.450	≤ 30
6	2437	18.350	≤ 30
11	2462	17.600	≤ 30

The worst emission of data rate is 1Mbps

No	Frequency (MHz)	1	2	5.5	11	Limit
1	2412	18.450	--	--	--	≤ 30.000
6	2437	18.350	18.200	18.060	17.930	≤ 30.000
11	2462	17.600	--	--	--	≤ 30.000

Product	N300 Wireless LAN USB Adapter		
Test Item	Maximum peak conducted output power		
Test Mode	Mode 1: Transmit Mode_SISO		
Date of Test	2019/09/12	Test Site	SR10-H

IEEE 802.11b (ANT 1)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	16.350	≤ 30
6	2437	16.180	≤ 30
11	2462	16.130	≤ 30

The worst emission of data rate is 1Mbps

No	Frequency (MHz)	1	2	5.5	11	Limit
1	2412	16.350	--	--	--	≤ 30.000
6	2437	16.180	16.030	15.880	15.740	≤ 30.000
11	2462	16.130	--	--	--	≤ 30.000

Product	N300 Wireless LAN USB Adapter		
Test Item	Maximum peak conducted output power		
Test Mode	Mode 1: Transmit Mode_SISO		
Date of Test	2019/09/12	Test Site	SR10-H

IEEE 802.11g (ANT 0)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	18.940	≤ 30
6	2437	18.830	≤ 30
11	2462	18.600	≤ 30

The worst emission of data rate is 6Mbps

No	Frequency (MHz)	6	12	18	24	36	48	54	Limit
1	2412	18.940	--	--	--	--	--	--	≤ 30.000
6	2437	18.830	18.680	18.530	18.400	18.270	18.130	17.980	≤ 30.000
11	2462	18.600	--	--	--	--	--	--	≤ 30.000

Product	N300 Wireless LAN USB Adapter		
Test Item	Maximum peak conducted output power		
Test Mode	Mode 1: Transmit Mode_SISO		
Date of Test	2019/09/12	Test Site	SR10-H

IEEE 802.11g (ANT 1)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	17.650	≤ 30
6	2437	18.880	≤ 30
11	2462	16.610	≤ 30

The worst emission of data rate is 6Mbps

No	Frequency (MHz)	6	12	18	24	36	48	54	Limit
1	2412	17.650	--	--	--	--	--	--	≤ 30.000
6	2437	18.880	18.730	18.600	18.460	18.330	18.180	18.050	≤ 30.000
11	2462	16.610	--	--	--	--	--	--	≤ 30.000

Product	N300 Wireless LAN USB Adapter		
Test Item	Maximum peak conducted output power		
Test Mode	Mode 2: Transmit Mode_MIMO		
Date of Test	2019/09/12	Test Site	SR10-H

IEEE 802.11n (20M) (ANT 0)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	15.130	≤ 30
6	2437	15.630	≤ 30
11	2462	15.730	≤ 30

The worst emission of data rate is MCS 0

No	Frequency (MHz)	6.5	13	19.5	26	39	52	58.5	65	Limit (dBm)
1	2412	15.130	--	--	--	--	--	--	--	≤ 30.000
6	2437	15.630	15.490	15.350	15.220	15.080	14.930	14.790	14.650	≤ 30.000
11	2462	15.730	--	--	--	--	--	--	--	≤ 30.000

Product	N300 Wireless LAN USB Adapter		
Test Item	Maximum peak conducted output power		
Test Mode	Mode 2: Transmit Mode_MIMO		
Date of Test	2019/09/12	Test Site	SR10-H

IEEE 802.11n (20M) (ANT 1)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	15.600	≤ 30
6	2437	15.930	≤ 30
11	2462	15.920	≤ 30

The worst emission of data rate is MCS 0

No	Frequency (MHz)	6.5	13	19.5	26	39	52	58.5	65	Limit (dBm)
1	2412	15.600	--	--	--	--	--	--	--	≤ 30.000
6	2437	15.930	15.800	15.660	15.530	15.380	15.240	15.100	14.970	≤ 30.000
11	2462	15.920	--	--	--	--	--	--	--	≤ 30.000

Product	N300 Wireless LAN USB Adapter		
Test Item	Maximum peak conducted output power		
Test Mode	Mode 2: Transmit Mode_MIMO		
Date of Test	2019/09/12	Test Site	SR10-H

IEEE 802.11n (20M) (ANT 0+1)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	18.382	≤ 30
6	2437	18.793	≤ 30
11	2462	18.836	≤ 30

The worst emission of data rate is MCS 0

No	Frequency (MHz)	6.5	13	19.5	26	39	52	58.5	65	Limit (dBm)
1	2412	18.382	--	--	--	--	--	--	--	≤ 30.000
6	2437	18.793	18.650	18.500	18.360	18.220	18.070	17.930	17.790	≤ 30.000
11	2462	18.836	--	--	--	--	--	--	--	≤ 30.000

Product	N300 Wireless LAN USB Adapter		
Test Item	Maximum peak conducted output power		
Test Mode	Mode 2: Transmit Mode_MIMO		
Date of Test	2019/09/12	Test Site	SR10-H

IEEE 802.11n (40M) (ANT 0)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
3	2422	13.450	≤ 30
6	2437	15.640	≤ 30
9	2452	13.470	≤ 30

The worst emission of data rate is MCS 0

No	Frequency (MHz)	13.5	27	40.5	54	81	108	121.5	135	Limit (dBm)
3	2422	13.450	--	--	--	--	--	--	--	≤ 30.000
6	2437	15.640	15.490	15.350	15.220	15.070	14.930	14.800	14.650	≤ 30.000
9	2452	13.470	--	--	--	--	--	--	--	≤ 30.000

Product	N300 Wireless LAN USB Adapter		
Test Item	Maximum peak conducted output power		
Test Mode	Mode 2: Transmit Mode_MIMO		
Date of Test	2019/09/12	Test Site	SR10-H

IEEE 802.11n (40M) (ANT 1)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
3	2422	13.560	≤ 30
6	2437	15.900	≤ 30
9	2452	13.610	≤ 30

The worst emission of data rate is MCS 0

No	Frequency (MHz)	13.5	27	40.5	54	81	108	121.5	135	Limit (dBm)
3	2422	13.560	--	--	--	--	--	--	--	≤ 30.000
6	2437	15.900	15.760	15.620	15.480	15.330	15.190	15.050	14.910	≤ 30.000
9	2452	13.610	--	--	--	--	--	--	--	≤ 30.000

Product	N300 Wireless LAN USB Adapter		
Test Item	Maximum peak conducted output power		
Test Mode	Mode 2: Transmit Mode_MIMO		
Date of Test	2019/09/12	Test Site	SR10-H

IEEE 802.11n (40M) (ANT 0+1)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
3	2422	16.516	≤ 30
6	2437	18.782	≤ 30
9	2452	16.551	≤ 30

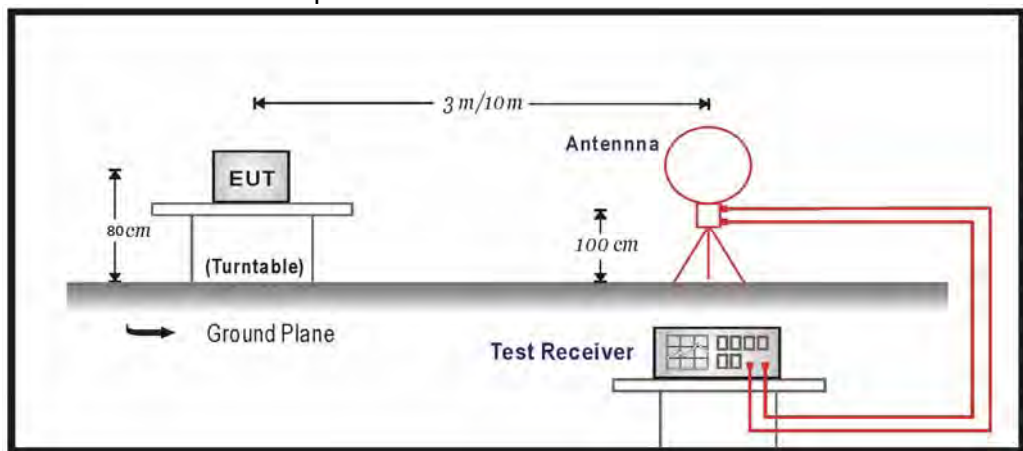
The worst emission of data rate is MCS 0

No	Frequency (MHz)	13.5	27	40.5	54	81	108	121.5	135	Limit (dBm)
3	2422	16.516	--	--	--	--	--	--	--	≤ 30.000
6	2437	18.782	18.650	18.510	18.380	18.250	18.110	17.970	17.830	≤ 30.000
9	2452	16.551	--	--	--	--	--	--	--	≤ 30.000

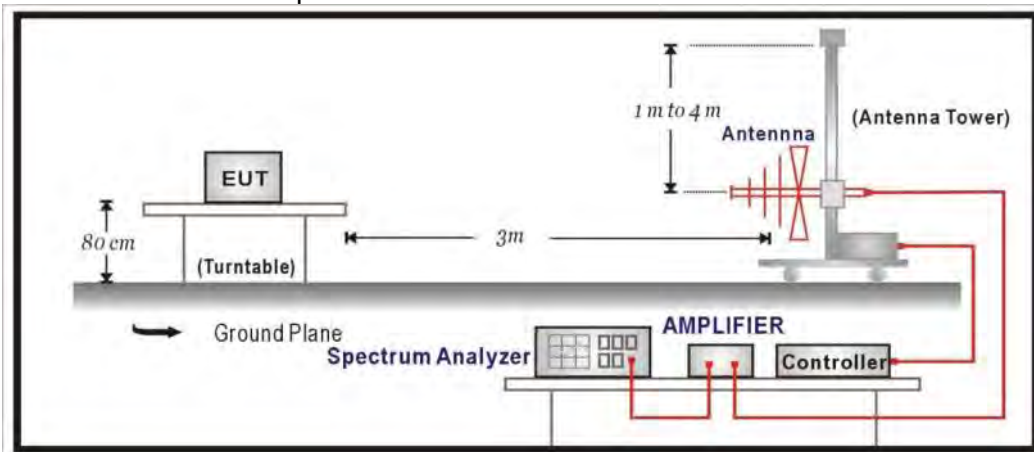
4. Radiated Emission

4.1. Test Setup

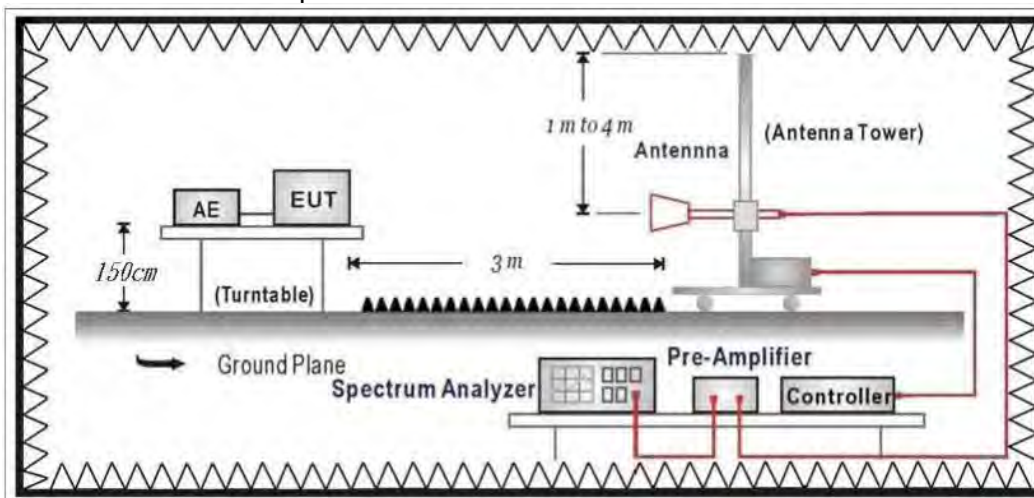
Under 30MHz Test Setup:



Under 1GHz Test Setup:



Above 1GHz Test Setup:



4.2. Limits

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

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

Remarks: 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 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 (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 below or equal 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.

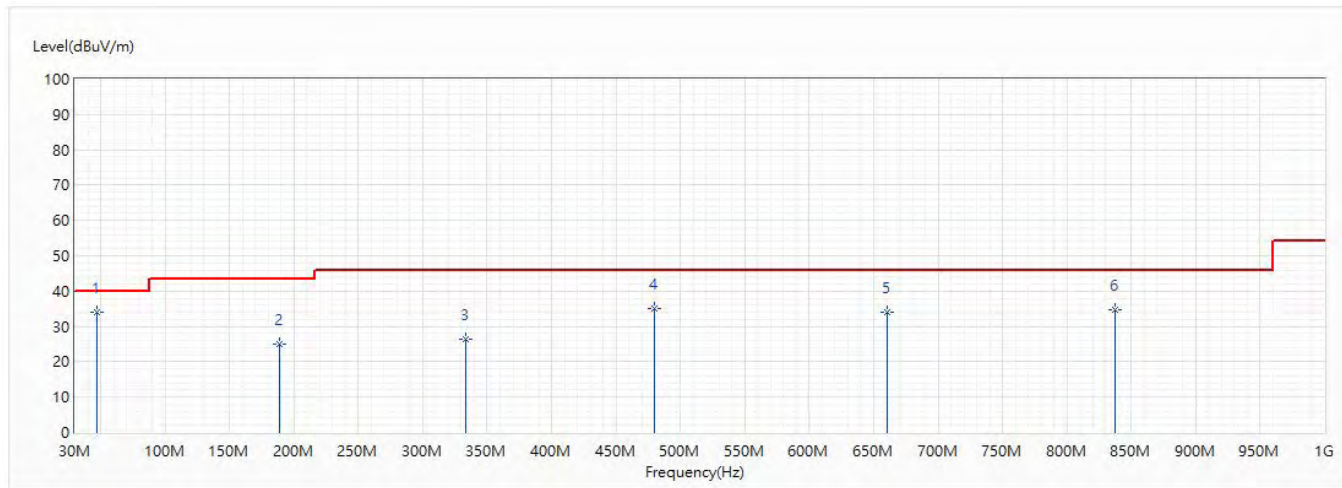
4.4. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2018.

4.5. Test Result

30MHz-1GHz Spurious

Site :	CB2-H	Engineer :	MARK
Model No :	EW-7822GTN 3.0A	Test Date :	2019/5/14
Test Voltage :	AC 120V/60Hz (Power by Notebook PC)	Polarity :	Horizontal
Test Mode :	Mode 1: Transmit Mode_SISO		
Note :	802.11b_2437MHz_ANT 0		

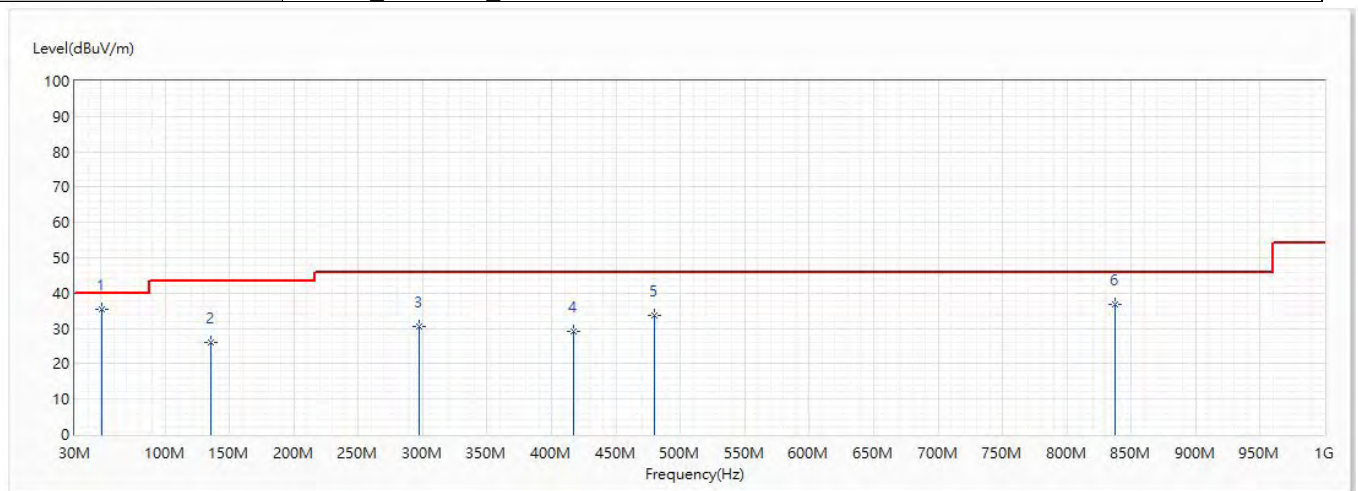


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	47.581	34.00	40.00	-6.00	58.15	-24.15	QP
2	189.201	24.96	43.50	-18.54	49.22	-24.26	QP
3	333.61	26.55	46.00	-19.45	45.48	-18.93	QP
4	480.08	35.16	46.00	-10.84	50.34	-15.18	QP
5	660.5	34.03	46.00	-11.97	47.10	-13.07	QP
6	837.161	34.55	46.00	-11.45	45.55	-11.00	QP

Note:

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

Site :	CB2-H	Engineer :	MARK
Model No :	EW-7822GTN 3.0A	Test Date :	2019/5/14
Test Voltage :	AC 120V/60Hz (Power by Notebook PC)	Polarity :	Vertical
Test Mode :	Mode 1: Transmit Mode_SISO		
Note :	802.11b_2437MHz_ANT 0		

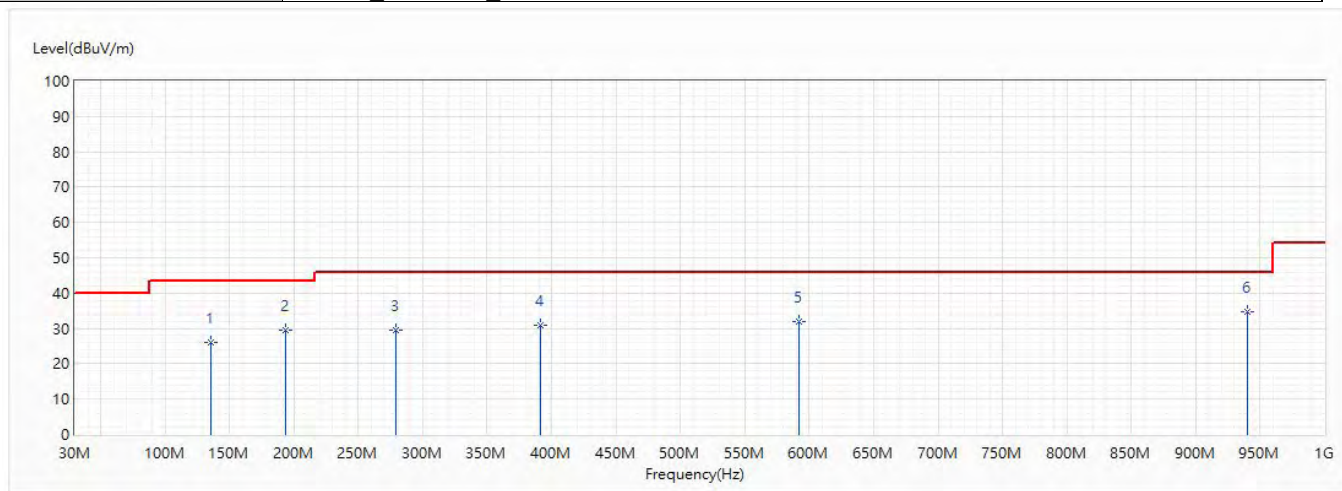


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	50.855	35.46	40.00	-4.54	61.25	-25.79	QP
2	135.124	25.87	43.50	-17.63	47.89	-22.02	QP
3	296.75	30.64	46.00	-15.36	50.75	-20.11	QP
4	417.03	29.10	46.00	-16.90	45.42	-16.32	QP
5	479.959	33.64	46.00	-12.36	48.82	-15.18	QP
6	837.161	36.91	46.00	-9.09	47.91	-11.00	QP

Note:

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

Site :	CB2-H	Engineer :	Lion
Model No :	EW-7822GTN 3.0A	Test Date :	2019/9/10
Test Voltage :	AC 120V/60Hz (Power by Notebook PC)	Polarity :	Horizontal
Test Mode :	Mode 1: Transmit Mode_SISO		
Note :	802.11b_2437MHz_ANT 1		

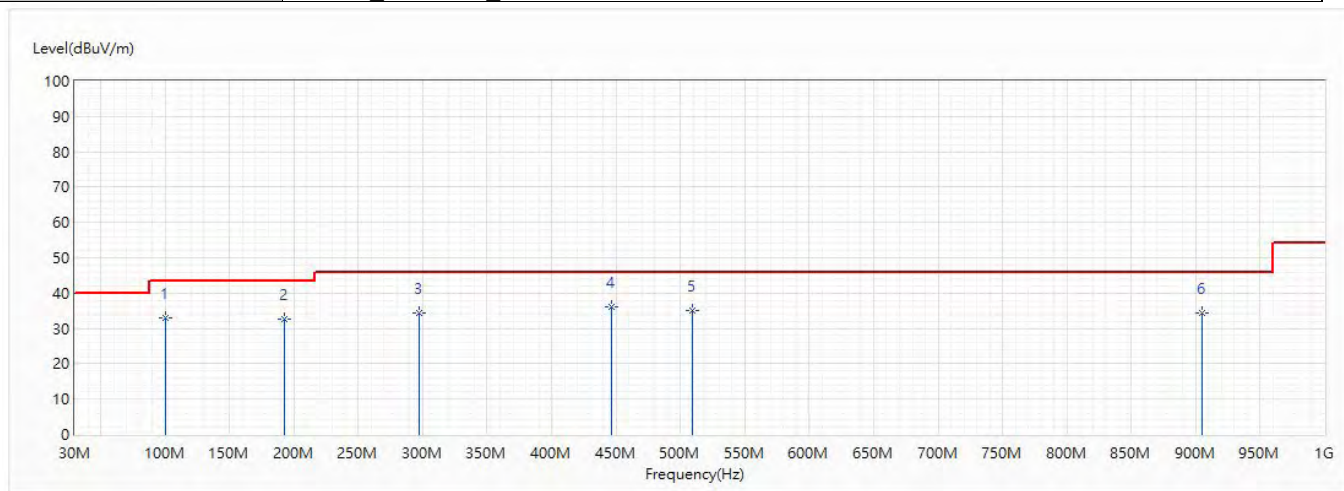


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	135.609	26.05	43.50	-17.45	44.49	-18.44	QP
2	193.93	29.67	43.50	-13.83	50.26	-20.59	QP
3	279.411	29.48	46.00	-16.52	46.34	-16.86	QP
4	391.446	30.76	46.00	-15.24	44.19	-13.43	QP
5	591.63	32.05	46.00	-13.95	42.23	-10.18	QP
* 6	940.224	34.85	46.00	-11.15	40.94	-6.09	QP

Note:

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

Site :	CB2-H	Engineer :	Lion
Model No :	EW-7822GTN 3.0A	Test Date :	2019/9/10
Test Voltage :	AC 120V/60Hz (Power by Notebook PC)	Polarity :	Vertical
Test Mode :	Mode 1: Transmit Mode_SISO		
Note :	802.11b_2437MHz_ANT 1		

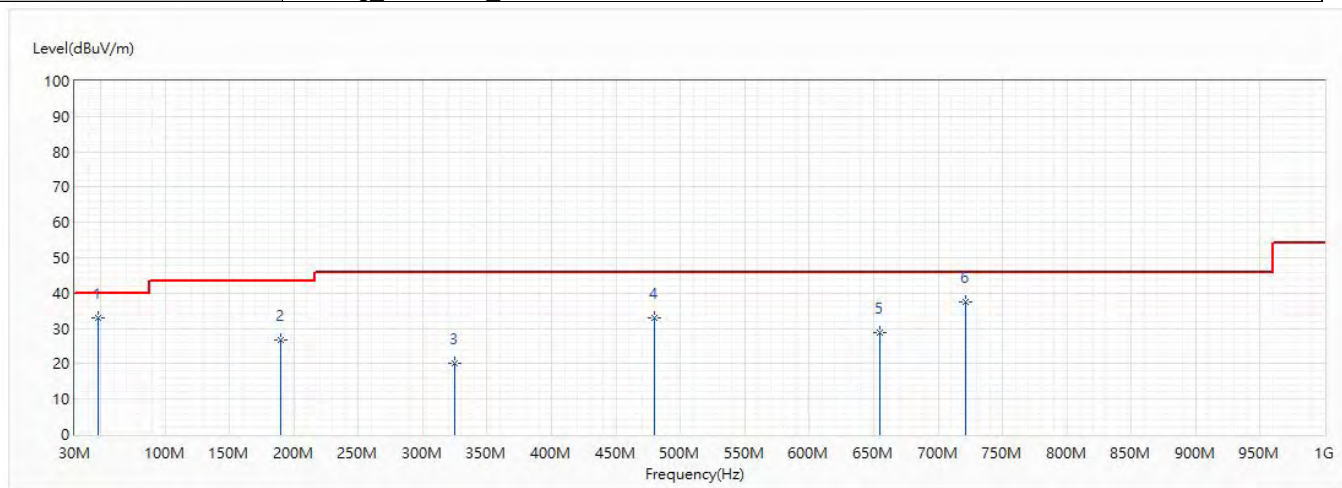


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	100.81	32.91	43.50	-10.59	53.01	-20.10	QP
2	193.081	32.58	43.50	-10.92	53.20	-20.62	QP
3	296.75	34.23	46.00	-11.77	50.75	-16.52	QP
* 4	446.373	36.01	46.00	-9.99	48.21	-12.20	QP
5	509.18	35.07	46.00	-10.93	46.22	-11.15	QP
6	904.455	34.23	46.00	-11.77	40.98	-6.75	QP

Note:

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

Site :	CB2-H	Engineer :	MARK
Model No :	EW-7822GTN 3.0A	Test Date :	2019/5/14
Test Voltage :	AC 120V/60Hz (Power by Notebook PC)	Polarity :	Horizontal
Test Mode :	Mode 1: Transmit Mode_SISO		
Note :	802.11g_2437MHz_ANT 0		

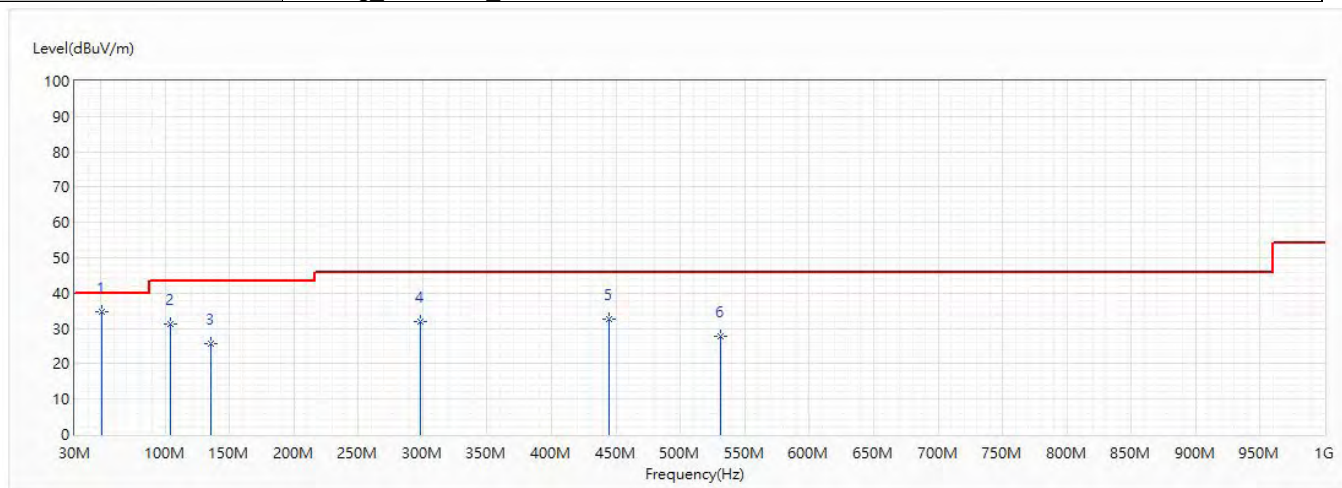


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	47.945	33.13	40.00	-6.87	57.51	-24.38	QP
2	190.171	26.66	43.50	-16.84	50.88	-24.22	QP
3	324.638	20.22	46.00	-25.78	39.45	-19.23	QP
4	479.959	33.07	46.00	-12.93	48.25	-15.18	QP
5	654.559	28.70	46.00	-17.30	41.84	-13.14	QP
6	721.368	37.66	46.00	-8.34	49.99	-12.33	QP

Note:

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

Site :	CB2-H	Engineer :	MARK
Model No :	EW-7822GTN 3.0A	Test Date :	2019/5/14
Test Voltage :	AC 120V/60Hz (Power by Notebook PC)	Polarity :	Vertical
Test Mode :	Mode 1: Transmit Mode_SISO		
Note :	802.11g_2437MHz_ANT 0		

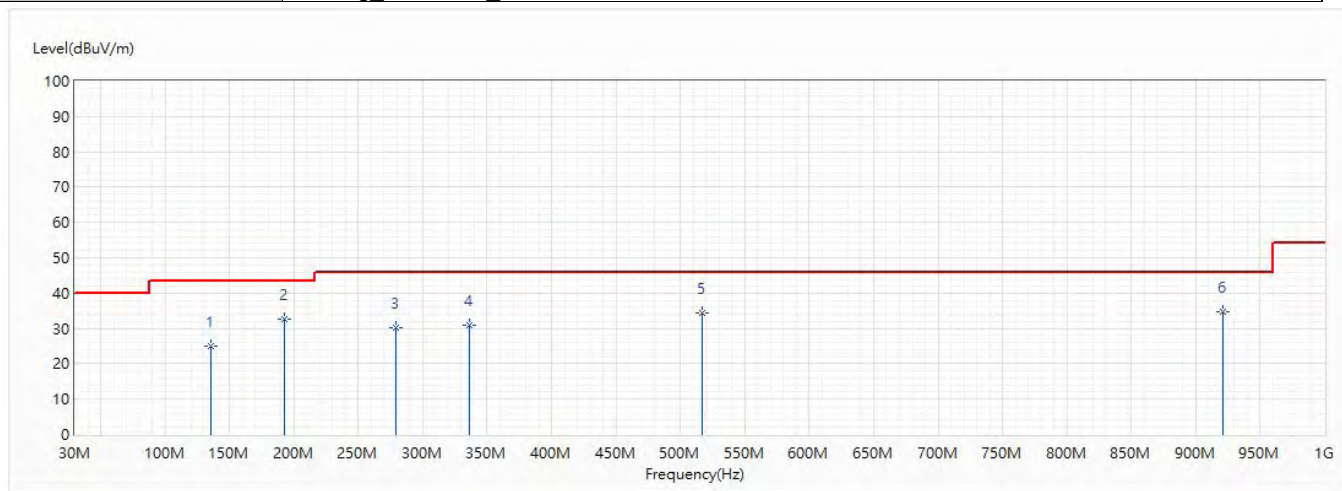


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	50.855	34.76	40.00	-5.24	60.55	-25.79	QP
2	104.084	31.14	43.50	-12.36	54.40	-23.26	QP
3	135.124	25.69	43.50	-17.81	47.71	-22.02	QP
4	298.205	31.95	46.00	-14.05	52.02	-20.07	QP
5	445.039	32.48	46.00	-13.52	48.27	-15.79	QP
6	531.611	27.81	46.00	-18.19	42.32	-14.51	QP

Note:

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

Site :	CB2-H	Engineer :	Lion
Model No :	EW-7822GTN 3.0A	Test Date :	2019/9/10
Test Voltage :	AC 120V/60Hz (Power by Notebook PC)	Polarity :	Horizontal
Test Mode :	Mode 1: Transmit Mode_SISO		
Note :	802.11g_2437MHz_ANT 1		

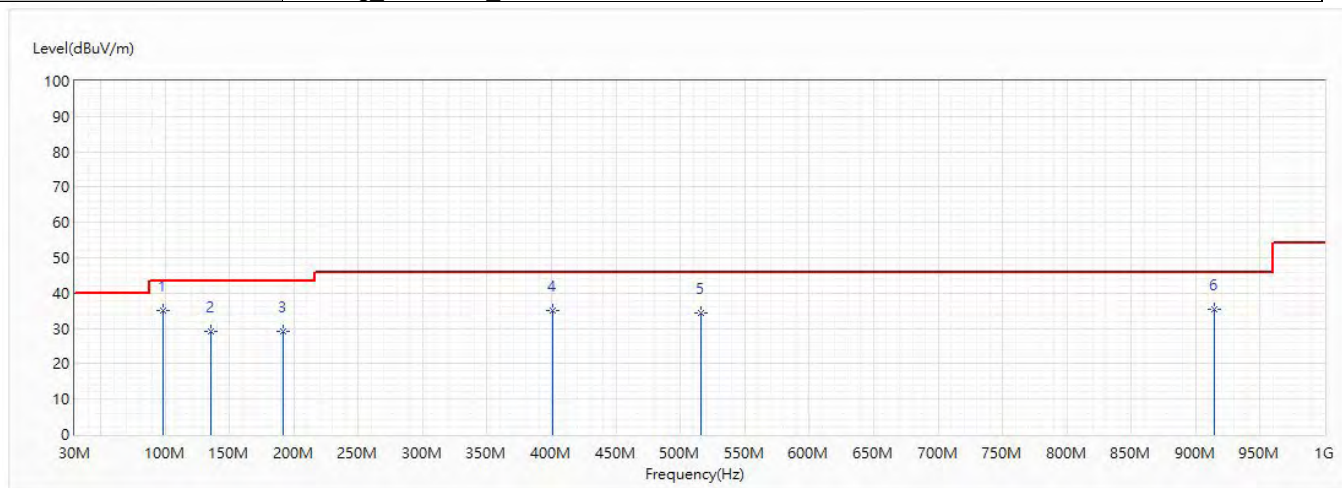


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	135.609	25.12	43.50	-18.38	43.56	-18.44	QP
* 2	192.839	32.69	43.50	-10.81	53.31	-20.62	QP
3	278.684	30.07	46.00	-15.93	46.94	-16.87	QP
4	336.52	30.94	46.00	-15.06	46.15	-15.21	QP
5	516.455	34.27	46.00	-11.73	45.33	-11.06	QP
6	921.43	34.58	46.00	-11.42	41.02	-6.44	QP

Note:

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

Site :	CB2-H	Engineer :	Lion
Model No :	EW-7822GTN 3.0A	Test Date :	2019/9/10
Test Voltage :	AC 120V/60Hz (Power by Notebook PC)	Polarity :	Vertical
Test Mode :	Mode 1: Transmit Mode_SISO		
Note :	802.11g_2437MHz_ANT 1		

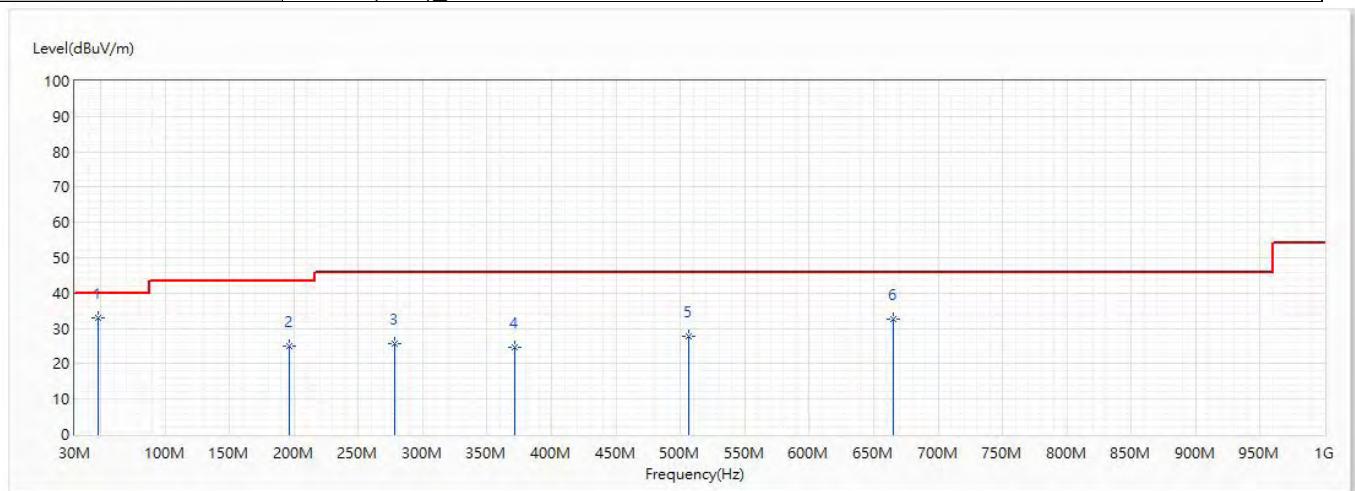


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	98.143	35.14	43.50	-8.36	55.66	-20.52	QP
2	135.124	29.29	43.50	-14.21	47.71	-18.42	QP
3	192.111	29.30	43.50	-14.20	49.94	-20.64	QP
4	400.661	34.90	46.00	-11.10	48.05	-13.15	QP
5	515.849	34.52	46.00	-11.48	45.59	-11.07	QP
6	914.398	35.54	46.00	-10.46	42.11	-6.57	QP

Note:

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

Site :	CB2-H	Engineer :	MARK
Model No :	EW-7822GTN 3.0A	Test Date :	2019/5/14
Test Voltage :	AC 120V/60Hz (Power by Notebook PC)	Polarity :	Horizontal
Test Mode :	Mode 2: Transmit Mode_MIMO		
Note :	802.11n(20M)_2437MHz		

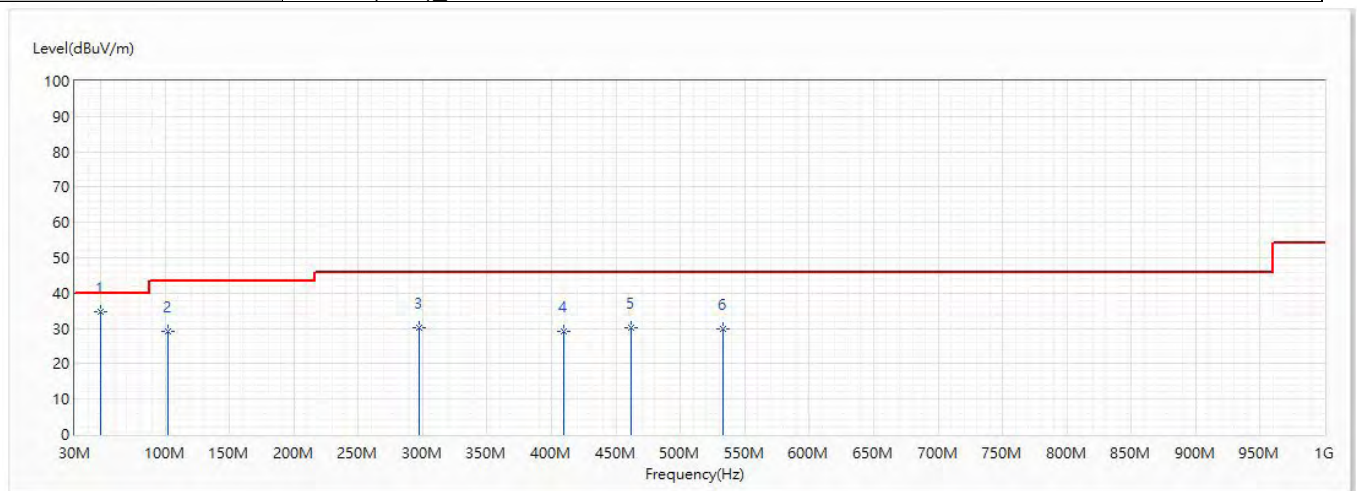


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	48.066	32.91	40.00	-7.09	57.37	-24.46	QP
2	196.234	25.13	43.50	-18.37	49.15	-24.02	QP
3	278.441	25.79	46.00	-20.21	46.25	-20.46	QP
4	371.319	24.74	46.00	-21.26	42.39	-17.65	QP
5	506.028	27.91	46.00	-18.09	42.69	-14.78	QP
6	664.865	32.57	46.00	-13.43	45.58	-13.01	QP

Note:

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

Site :	CB2-H	Engineer :	MARK
Model No :	EW-7822GTN 3.0A	Test Date :	2019/5/14
Test Voltage :	AC 120V/60Hz (Power by Notebook PC)	Polarity :	Vertical
Test Mode :	Mode 2: Transmit Mode_MIMO		
Note :	802.11n(20M)_2437MHz		

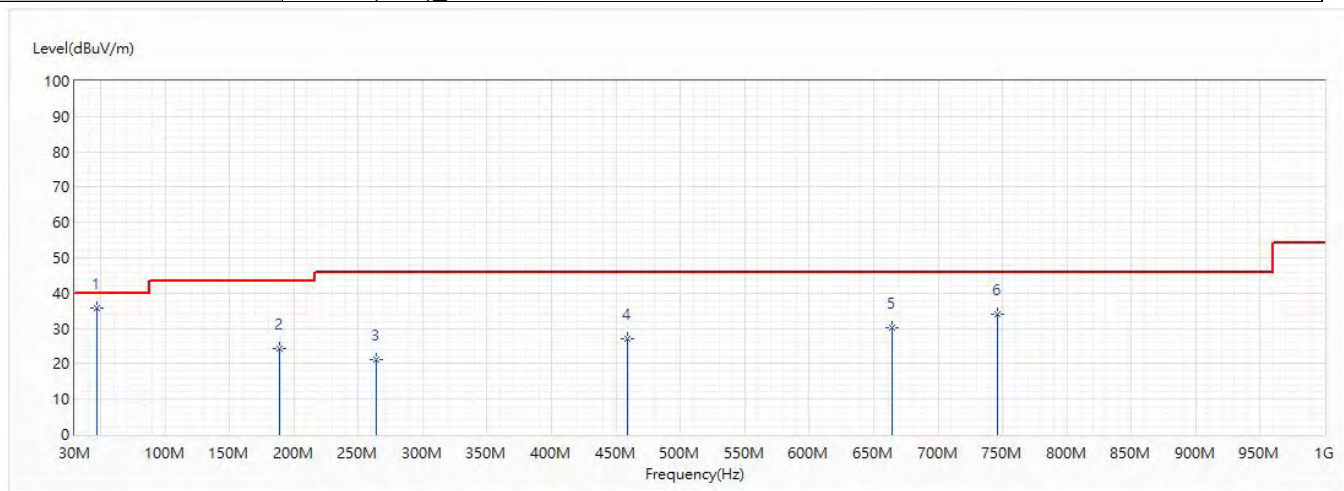


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	50.128	34.61	40.00	-5.39	60.19	-25.58	QP
2	102.023	29.13	43.50	-14.37	52.65	-23.52	QP
3	296.993	30.07	46.00	-15.93	50.17	-20.10	QP
4	409.634	29.33	46.00	-16.67	45.80	-16.47	QP
5	462.135	30.04	46.00	-15.96	45.53	-15.49	QP
6	532.824	29.71	46.00	-16.29	44.20	-14.49	QP

Note:

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

Site :	CB2-H	Engineer :	MARK
Model No :	EW-7822GTN 3.0A	Test Date :	2019/5/14
Test Voltage :	AC 120V/60Hz (Power by Notebook PC)	Polarity :	Horizontal
Test Mode :	Mode 2: Transmit Mode_MIMO		
Note :	802.11n(40M)_2437MHz		

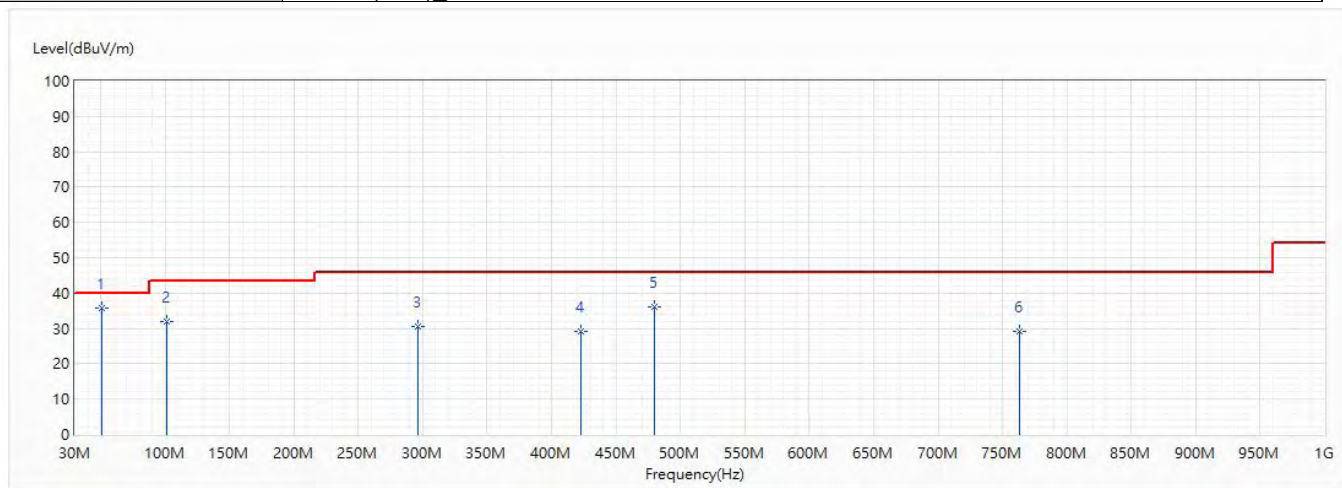


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	47.581	35.76	40.00	-4.24	59.91	-24.15	QP
2	188.474	24.42	43.50	-19.08	48.71	-24.29	QP
3	264.255	21.25	46.00	-24.75	42.00	-20.75	QP
4	458.74	27.23	46.00	-18.77	42.78	-15.55	QP
5	663.895	30.18	46.00	-15.82	43.21	-13.03	QP
6	746.224	34.10	46.00	-11.90	46.14	-12.04	QP

Note:

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

Site :	CB2-H	Engineer :	MARK
Model No :	EW-7822GTN 3.0A	Test Date :	2019/5/14
Test Voltage :	AC 120V/60Hz (Power by Notebook PC)	Polarity :	Vertical
Test Mode :	Mode 2: Transmit Mode_MIMO		
Note :	802.11n(40M)_2437MHz		



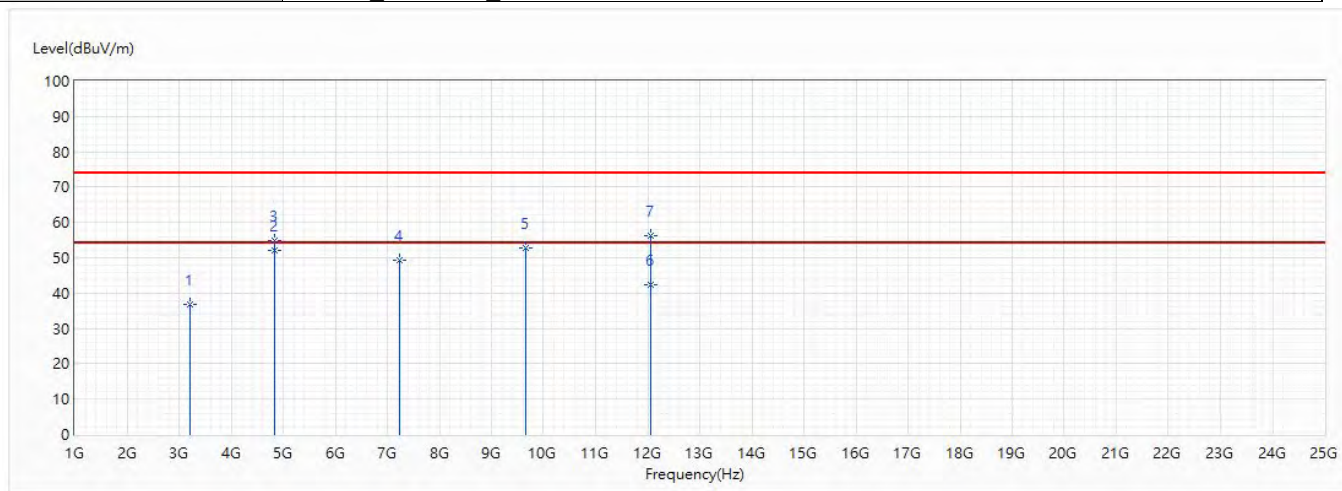
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	50.613	35.89	40.00	-4.11	61.62	-25.73	QP
2	101.174	32.02	43.50	-11.48	55.67	-23.65	QP
3	296.629	30.66	46.00	-15.34	50.77	-20.11	QP
4	422.729	29.30	46.00	-16.70	45.51	-16.21	QP
5	480.08	36.03	46.00	-9.97	51.21	-15.18	QP
6	763.441	29.11	46.00	-16.89	40.97	-11.86	QP

Note:

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

Above 1GHz Spurious

Site :	CB2-H	Engineer :	Mark
Model No :	EW-7822GTN 3.0A	Test Date :	2019/5/13
Test Voltage :	AC 120V/60Hz (Power by Notebook PC)	Polarity :	Horizontal
Test Mode :	Mode 1: Transmit Mode_SISO		
Note :	802.11b_2412MHz_ANT 0		

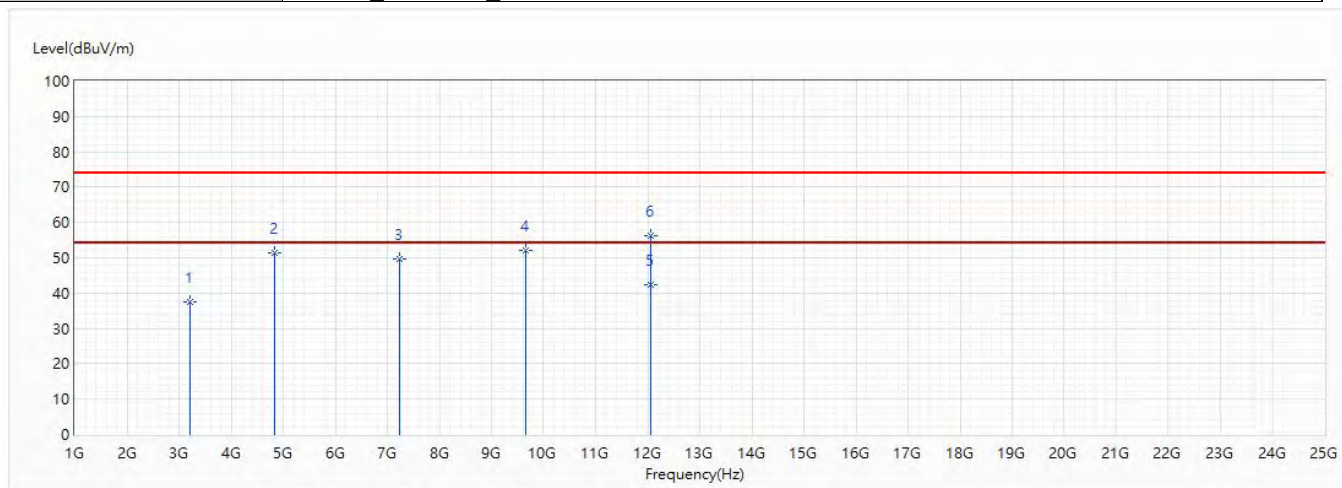


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3219.831	36.79	74.00	-37.21	41.43	-4.64	PK
* 2	4823.958	51.98	54.00	-2.02	51.39	0.59	AV
3	4823.958	55.00	74.00	-19.00	54.41	0.59	PK
4	7235.721	49.35	74.00	-24.65	39.57	9.78	PK
5	9647.83	52.84	74.00	-21.16	38.03	14.81	PK
6	12057.564	42.36	54.00	-11.64	23.98	18.38	AV
7	12057.564	56.14	74.00	-17.86	37.76	18.38	PK

Note:

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

Site :	CB2-H	Engineer :	Mark
Model No :	EW-7822GTN 3.0A	Test Date :	2019/5/13
Test Voltage :	AC 120V/60Hz (Power by Notebook PC)	Polarity :	Vertical
Test Mode :	Mode 1: Transmit Mode_SISO		
Note :	802.11b_2412MHz_ANT 0		

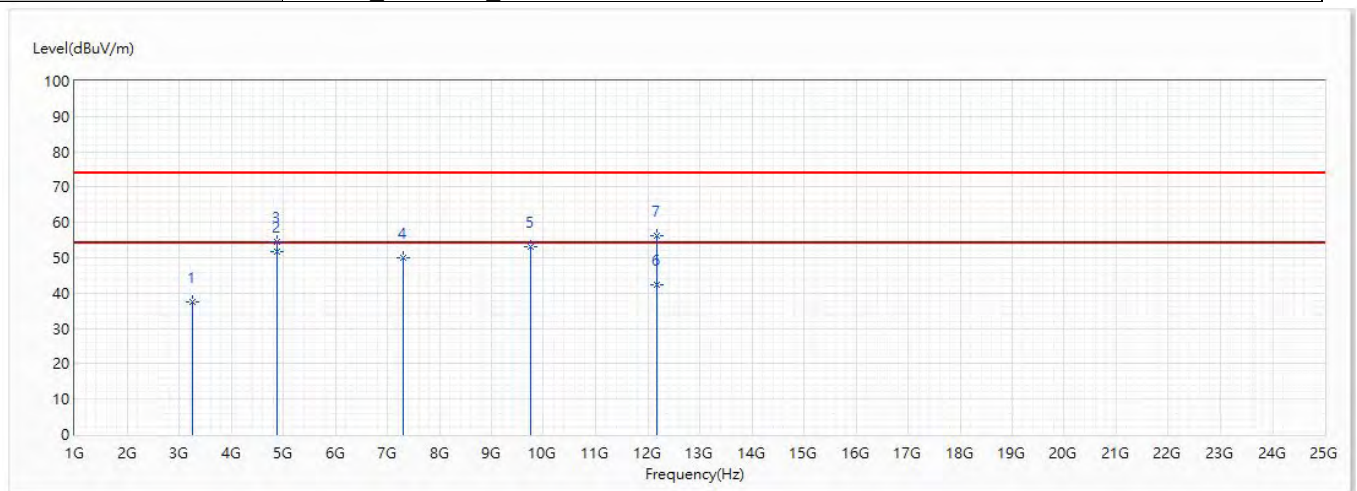


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3213.868	37.42	74.00	-36.58	42.07	-4.65	PK
2	4823.991	51.22	74.00	-22.78	50.63	0.59	PK
3	7236.075	49.81	74.00	-24.19	40.03	9.78	PK
4	9648.879	52.11	74.00	-21.89	37.30	14.81	PK
* 5	12063.53	42.30	54.00	-11.70	23.93	18.37	AV
6	12063.53	56.19	74.00	-17.81	37.82	18.37	PK

Note:

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

Site :	CB2-H	Engineer :	Mark
Model No :	EW-7822GTN 3.0A	Test Date :	2019/5/13
Test Voltage :	AC 120V/60Hz (Power by Notebook PC)	Polarity :	Horizontal
Test Mode :	Mode 1: Transmit Mode_SISO		
Note :	802.11b_2437MHz_ANT 0		

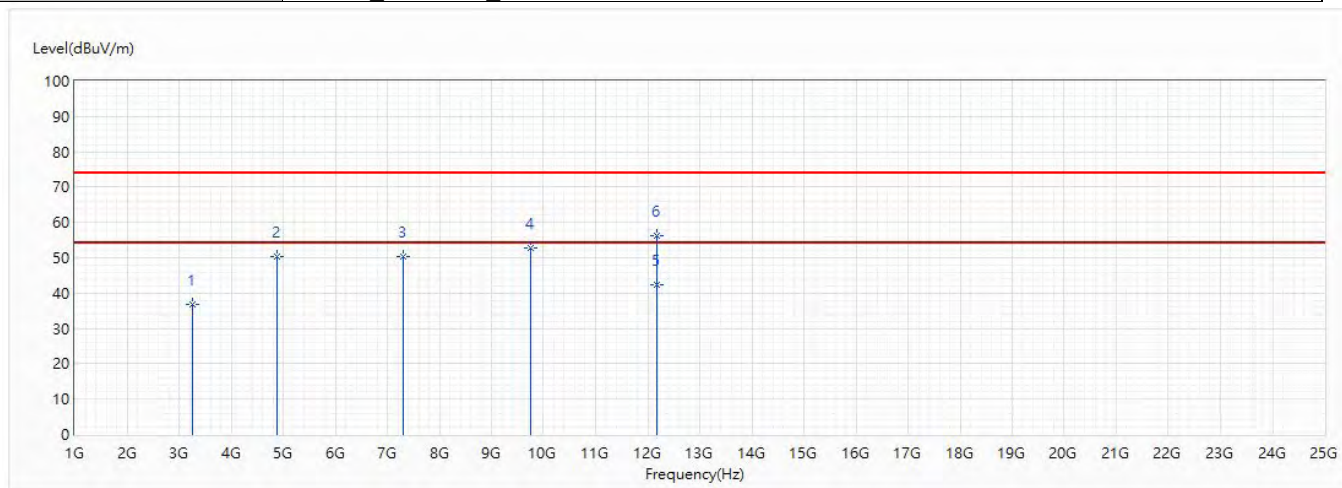


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3248.62	37.39	74.00	-36.61	41.98	-4.59	PK
* 2	4874.03	51.72	54.00	-2.28	50.91	0.81	AV
3	4874.03	54.64	74.00	-19.36	53.83	0.81	PK
4	7314.578	50.07	74.00	-23.93	39.84	10.23	PK
5	9748.216	53.04	74.00	-20.96	37.96	15.08	PK
6	12186.733	42.27	54.00	-11.73	24.06	18.21	AV
7	12186.733	56.26	74.00	-17.74	38.05	18.21	PK

Note:

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

Site :	CB2-H	Engineer :	Mark
Model No :	EW-7822GTN 3.0A	Test Date :	2019/5/13
Test Voltage :	AC 120V/60Hz (Power by Notebook PC)	Polarity :	Vertical
Test Mode :	Mode 1: Transmit Mode_SISO		
Note :	802.11b_2437MHz_ANT 0		

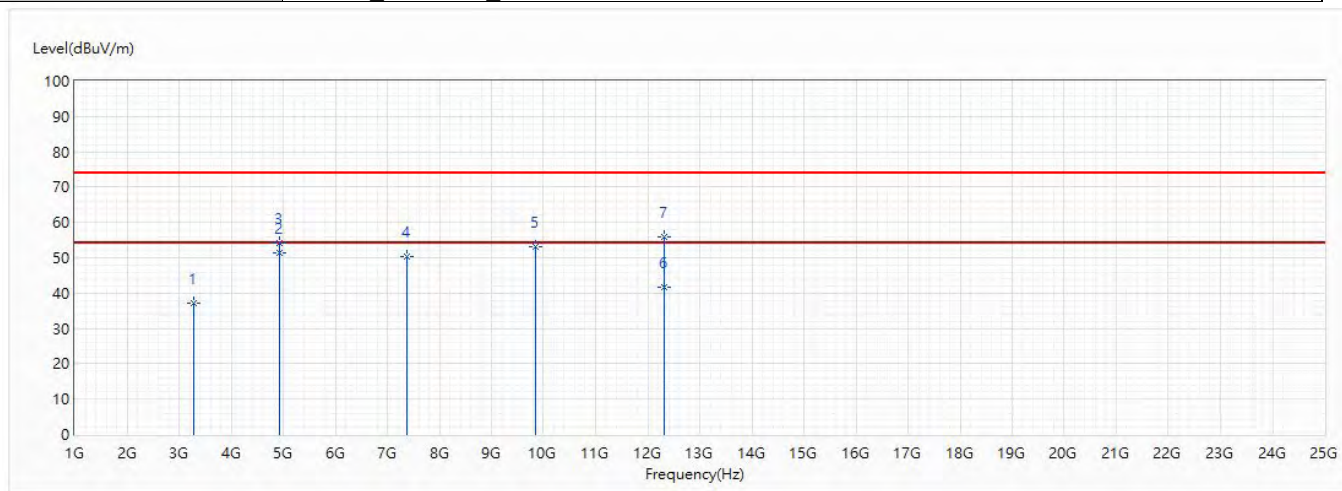


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3249.908	36.97	74.00	-37.03	41.56	-4.59	PK
2	4873.992	50.45	74.00	-23.55	49.64	0.81	PK
3	7308.969	50.25	54.00	-3.75	40.05	10.20	AV
4	9744.819	52.73	74.00	-21.27	37.66	15.07	PK
5	12186.369	42.42	54.00	-11.58	24.21	18.21	AV
! 6	12186.369	56.22	74.00	-17.78	38.01	18.21	PK

Note:

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

Site :	CB2-H	Engineer :	Mark
Model No :	EW-7822GTN 3.0A	Test Date :	2019/5/13
Test Voltage :	AC 120V/60Hz (Power by Notebook PC)	Polarity :	Horizontal
Test Mode :	Mode 1: Transmit Mode_SISO		
Note :	802.11b_2462MHz_ANT 0		

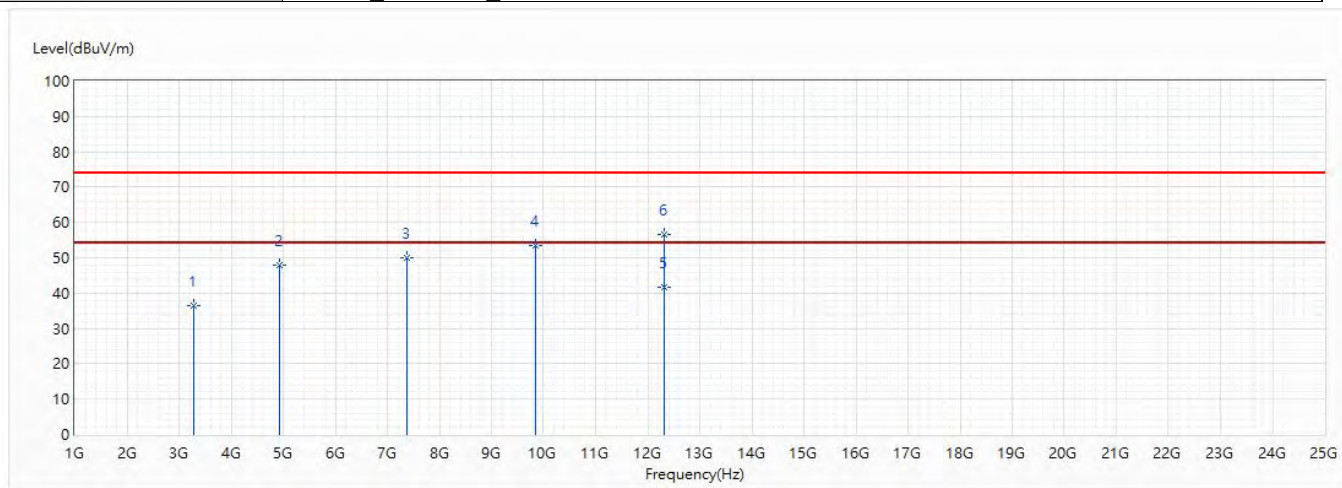


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3284.07	37.15	74.00	-36.85	41.69	-4.54	PK
* 2	4924.018	51.37	54.00	-2.63	50.35	1.02	AV
3	4924.018	54.14	74.00	-19.86	53.12	1.02	PK
4	7383.657	50.29	74.00	-23.71	39.72	10.57	PK
5	9848.507	53.07	74.00	-20.93	37.82	15.25	PK
6	12307.537	41.84	54.00	-12.16	23.81	18.03	AV
7	12307.537	55.95	74.00	-18.05	37.92	18.03	PK

Note:

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

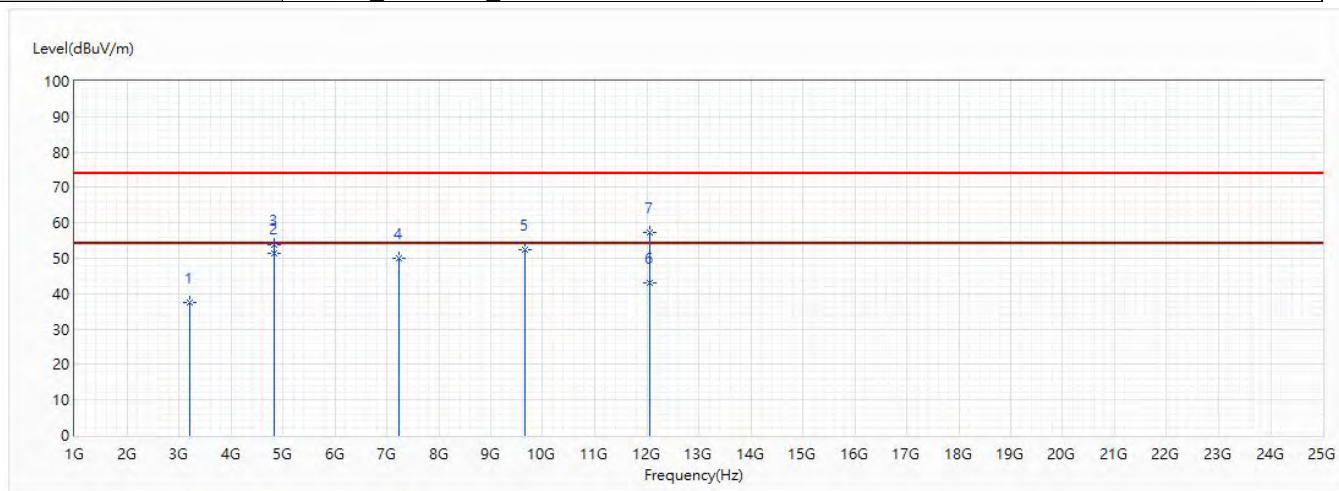
Site :	CB2-H	Engineer :	Mark
Model No :	EW-7822GTN 3.0A	Test Date :	2019/5/13
Test Voltage :	AC 120V/60Hz (Power by Notebook PC)	Polarity :	Vertical
Test Mode :	Mode 1: Transmit Mode_SISO		
Note :	802.11b_2462MHz_ANT 0		



Note:

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

Site :	CB2-H	Engineer :	Lion
Model No :	EW-7822GTN 3.0A	Test Date :	2019/9/10
Test Voltage :	AC 120V/60Hz (Power by Notebook PC)	Polarity :	Horizontal
Test Mode :	Mode 1: Transmit Mode_SISO		
Note :	802.11b_2412MHz_ANT 1		

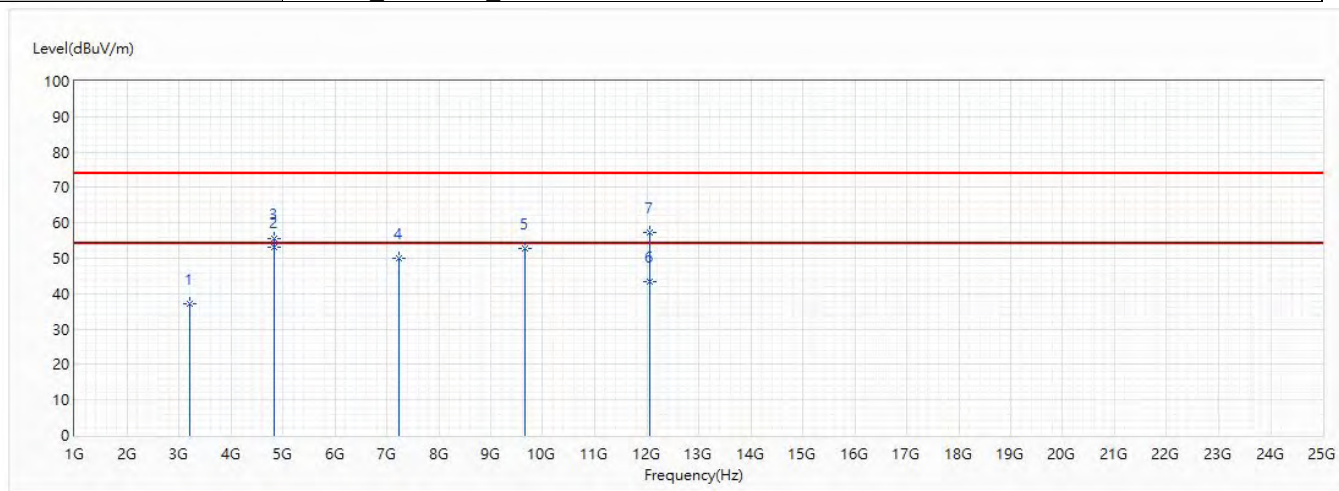


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3219.831	37.48	74.00	-36.52	41.57	-4.09	PK
* 2	4824	51.33	54.00	-2.67	50.14	1.19	AV
3	4824	53.92	74.00	-20.08	52.73	1.19	PK
4	7236	49.89	74.00	-24.11	39.41	10.48	PK
5	9648	52.41	74.00	-21.59	37.40	15.01	PK
6	12060	43.22	54.00	-10.78	24.08	19.14	AV
7	12060	57.16	74.00	-16.84	38.02	19.14	PK

Note:

1. All reading above 1GHz is performed with peak measurements as necessary.
2. “ * ”, means this data is the worst emission level.
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 away from limit.

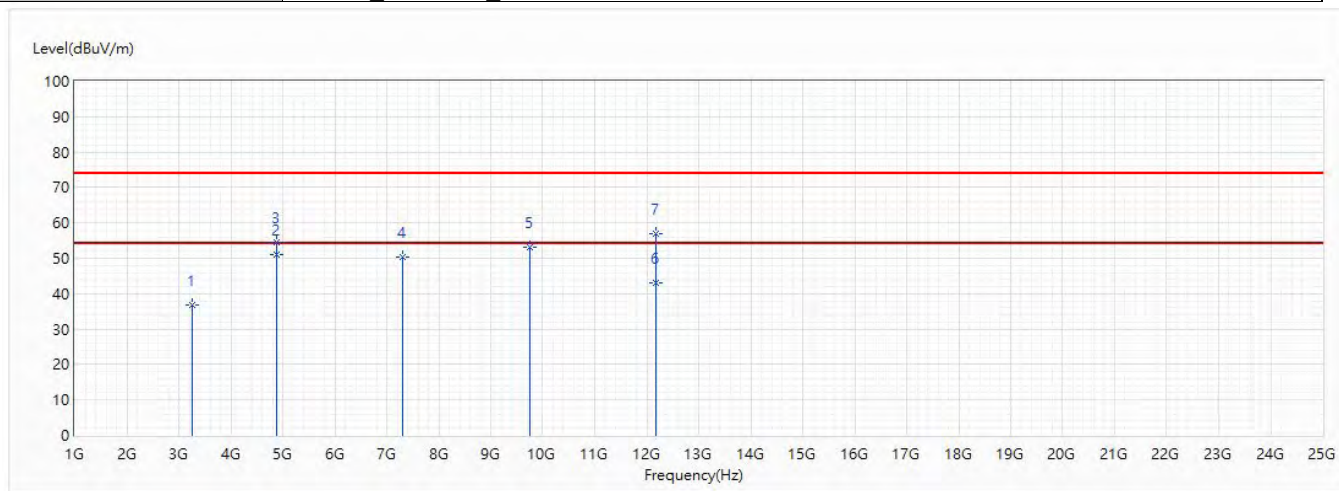
Site :	CB2-H	Engineer :	Lion
Model No :	EW-7822GTN 3.0A	Test Date :	2019/9/10
Test Voltage :	AC 120V/60Hz (Power by Notebook PC)	Polarity :	Vertical
Test Mode :	Mode 1: Transmit Mode_SISO		
Note :	802.11b_2412MHz_ANT 1		



Note:

1. All reading above 1GHz is performed with peak measurements as necessary.
2. “ * ”, means this data is the worst emission level.
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 away from limit.

Site :	CB2-H	Engineer :	Lion
Model No :	EW-7822GTN 3.0A	Test Date :	2019/9/10
Test Voltage :	AC 120V/60Hz (Power by Notebook PC)	Polarity :	Horizontal
Test Mode :	Mode 1: Transmit Mode_SISO		
Note :	802.11b_2437MHz_ANT 1		

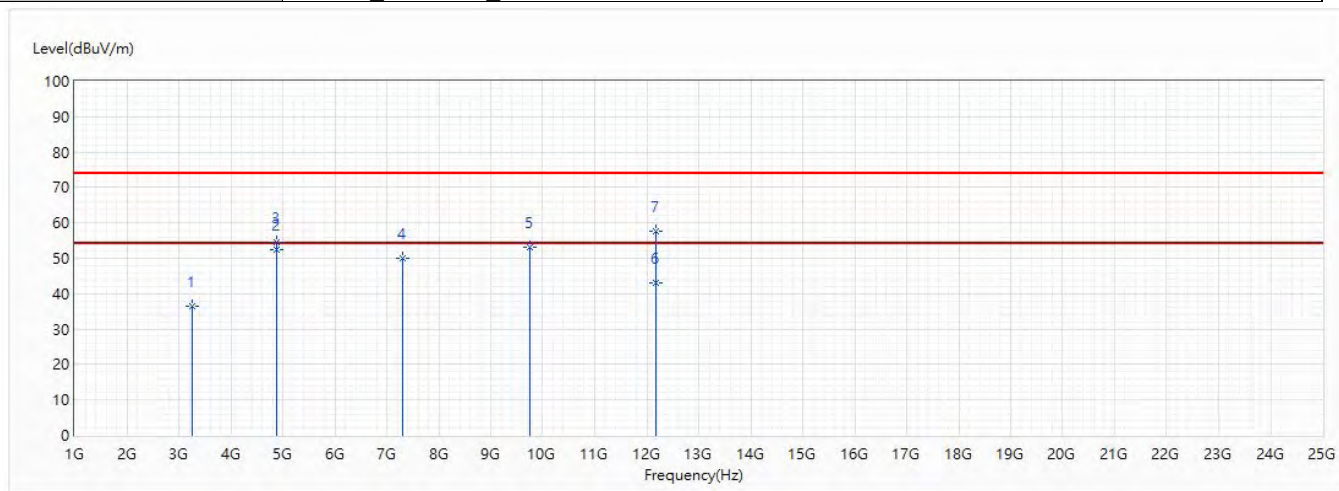


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3248.62	36.88	74.00	-37.12	40.92	-4.04	PK
* 2	4874	51.18	54.00	-2.82	49.80	1.38	AV
3	4874	54.45	74.00	-19.55	53.07	1.38	PK
4	7311	50.52	74.00	-23.48	39.61	10.91	PK
5	9748	52.98	74.00	-21.02	37.70	15.28	PK
6	12185	43.15	54.00	-10.85	24.25	18.90	AV
7	12185	57.07	74.00	-16.93	38.17	18.90	PK

Note:

1. All reading above 1GHz is performed with peak measurements as necessary.
2. “ * ”, means this data is the worst emission level.
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 away from limit.

Site :	CB2-H	Engineer :	Lion
Model No :	EW-7822GTN 3.0A	Test Date :	2019/9/10
Test Voltage :	AC 120V/60Hz (Power by Notebook PC)	Polarity :	Vertical
Test Mode :	Mode 1: Transmit Mode_SISO		
Note :	802.11b_2437MHz_ANT 1		

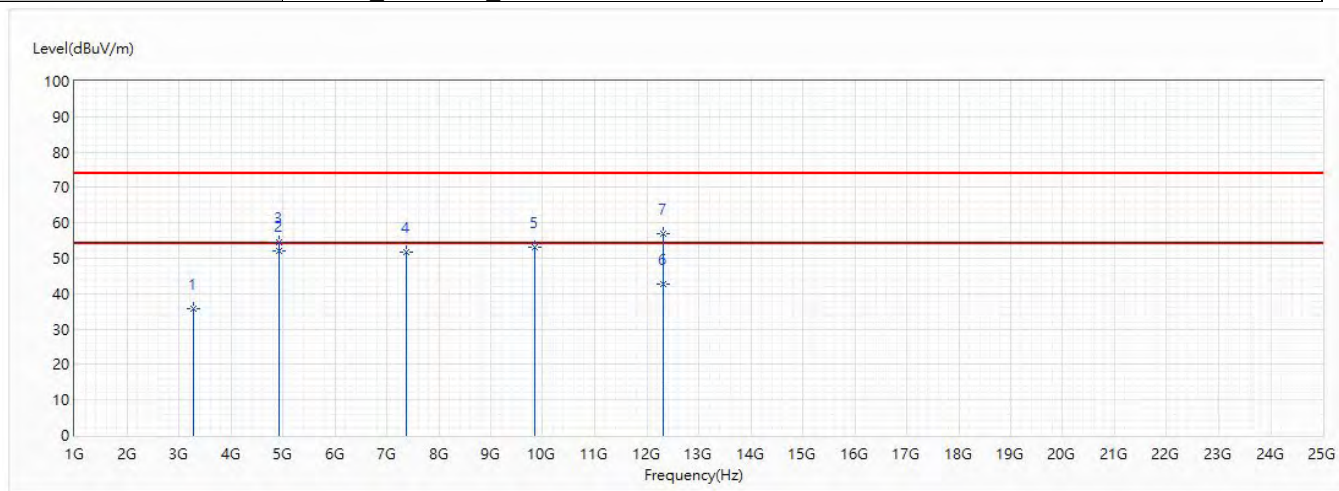


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3249.908	36.41	74.00	-37.59	40.45	-4.04	PK
* 2	4874	51.93	54.00	-2.07	50.55	1.38	AV
3	4874	54.62	74.00	-19.38	53.24	1.38	PK
4	7311	50.11	74.00	-23.89	39.20	10.91	PK
5	9748	52.99	74.00	-21.01	37.71	15.28	PK
6	12185	42.97	54.00	-11.03	24.07	18.90	AV
7	12185	57.71	74.00	-16.29	38.81	18.90	PK

Note:

1. All reading above 1GHz is performed with peak measurements as necessary.
2. “ * ”, means this data is the worst emission level.
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 away from limit.

Site :	CB2-H	Engineer :	Lion
Model No :	EW-7822GTN 3.0A	Test Date :	2019/9/10
Test Voltage :	AC 120V/60Hz (Power by Notebook PC)	Polarity :	Horizontal
Test Mode :	Mode 1: Transmit Mode_SISO		
Note :	802.11b_2462MHz_ANT 1		

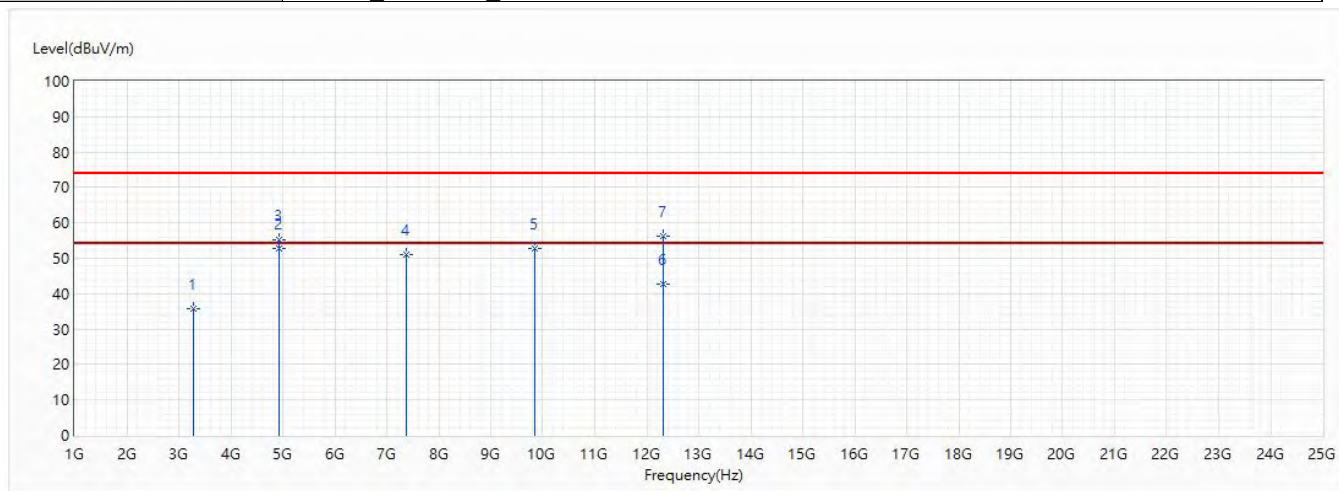


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3284.07	35.77	74.00	-38.23	39.76	-3.99	PK
* 2	4924	51.91	54.00	-2.09	50.35	1.56	AV
3	4924	54.38	74.00	-19.62	52.82	1.56	PK
4	7386	51.69	74.00	-22.31	40.41	11.28	PK
5	9848	52.99	74.00	-21.01	37.54	15.45	PK
6	12310	42.57	54.00	-11.43	23.93	18.64	AV
7	12310	56.89	74.00	-17.11	38.25	18.64	PK

Note:

1. All reading above 1GHz is performed with peak measurements as necessary.
2. “ * ”, means this data is the worst emission level.
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 away from limit.

Site :	CB2-H	Engineer :	Lion
Model No :	EW-7822GTN 3.0A	Test Date :	2019/9/10
Test Voltage :	AC 120V/60Hz (Power by Notebook PC)	Polarity :	Vertical
Test Mode :	Mode 1: Transmit Mode_SISO		
Note :	802.11b_2462MHz_ANT 1		

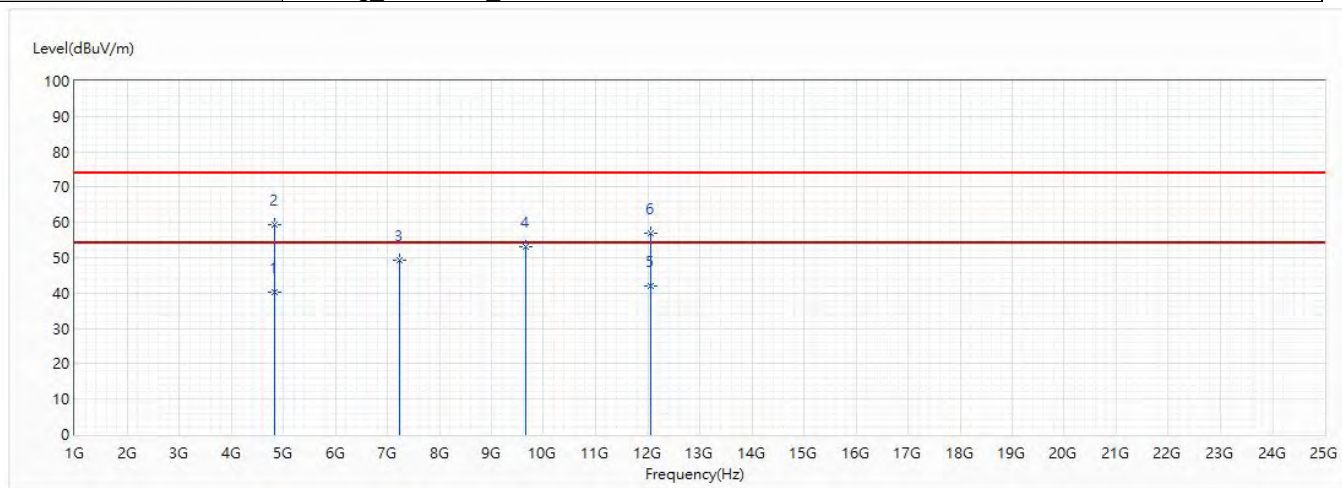


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3281.112	35.86	74.00	-38.14	39.85	-3.99	PK
2	4924	52.66	74.00	-21.34	51.10	1.56	PK
3	4924	55.20	74.00	-18.80	53.64	1.56	PK
4	7386	50.87	74.00	-23.13	39.59	11.28	PK
5	9848	52.92	74.00	-21.08	37.47	15.45	PK
* 6	12310	42.66	54.00	-11.34	24.02	18.64	AV
7	12310	56.13	74.00	-17.87	37.49	18.64	PK

Note:

1. All reading above 1GHz is performed with peak measurements as necessary.
2. “ * ”, means this data is the worst emission level.
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 away from limit.

Site :	CB2-H	Engineer :	Mark
Model No :	EW-7822GTN 3.0A	Test Date :	2019/5/14
Test Voltage :	AC 120V/60Hz (Power by Notebook PC)	Polarity :	Horizontal
Test Mode :	Mode 1: Transmit Mode_SISO		
Note :	802.11g_2412MHz_ANT 0		

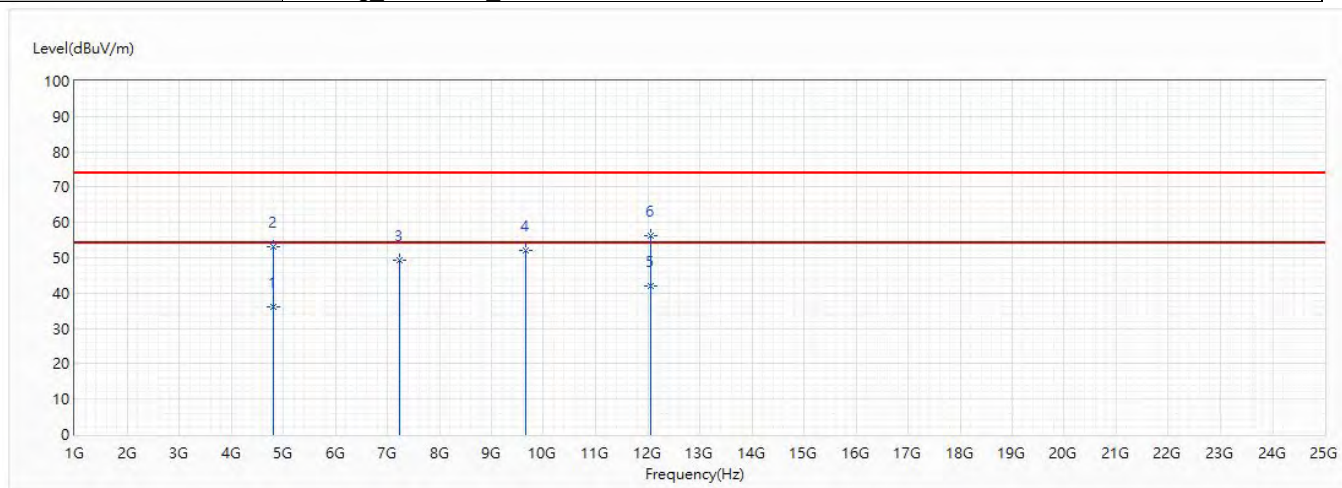


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	4826.482	40.38	54.00	-13.62	39.78	0.60	AV
2	4826.482	59.29	74.00	-14.71	58.69	0.60	PK
3	7234.929	49.37	74.00	-24.63	39.59	9.78	PK
4	9647.963	53.09	74.00	-20.91	38.28	14.81	PK
* 5	12061.063	42.05	54.00	-11.95	23.68	18.37	AV
6	12061.063	56.96	74.00	-17.04	38.59	18.37	PK

Note:

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

Site :	CB2-H	Engineer :	Mark
Model No :	EW-7822GTN 3.0A	Test Date :	2019/5/14
Test Voltage :	AC 120V/60Hz (Power by Notebook PC)	Polarity :	Vertical
Test Mode :	Mode 1: Transmit Mode_SISO		
Note :	802.11g_2412MHz_ANT 0		

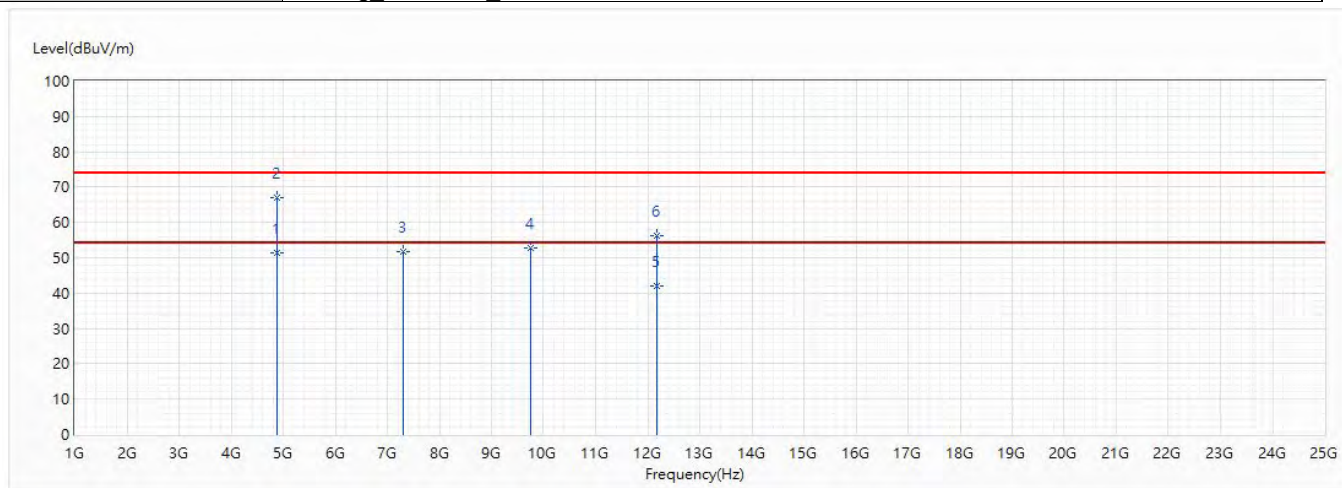


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	4821.644	36.18	54.00	-17.82	35.60	0.58	AV
2	4821.644	53.02	74.00	-20.98	52.44	0.58	PK
3	7236.815	49.19	74.00	-24.81	39.40	9.79	PK
4	9647.704	52.25	74.00	-21.75	37.44	14.81	PK
* 5	12058.304	42.00	54.00	-12.00	23.62	18.38	AV
6	12058.304	56.16	74.00	-17.84	37.78	18.38	PK

Note:

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

Site :	CB2-H	Engineer :	MARK
Model No :	EW-7822GTN 3.0A	Test Date :	2019/5/14
Test Voltage :	AC 120V/60Hz (Power by Notebook PC)	Polarity :	Horizontal
Test Mode :	Mode 1: Transmit Mode_SISO		
Note :	802.11g_2437MHz_ANT 0		

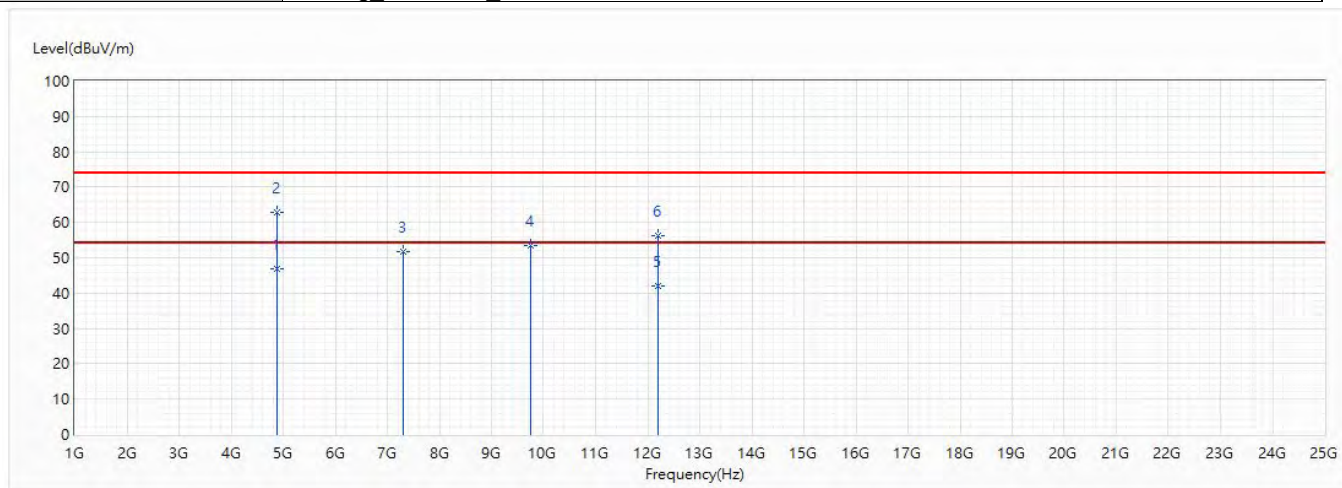


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	4872.628	51.56	54.00	-2.44	50.75	0.81	AV
2	4872.628	67.06	74.00	-6.94	66.25	0.81	PK
3	7311.53	51.57	74.00	-22.43	41.36	10.21	PK
4	9747.633	52.91	74.00	-21.09	37.83	15.08	PK
5	12185.878	42.03	54.00	-11.97	23.82	18.21	AV
6	12185.878	56.12	74.00	-17.88	37.91	18.21	PK

Note:

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

Site :	CB2-H	Engineer :	MARK
Model No :	EW-7822GTN 3.0A	Test Date :	2019/5/14
Test Voltage :	AC 120V/60Hz (Power by Notebook PC)	Polarity :	Vertical
Test Mode :	Mode 1: Transmit Mode_SISO		
Note :	802.11g_2437MHz_ANT 0		

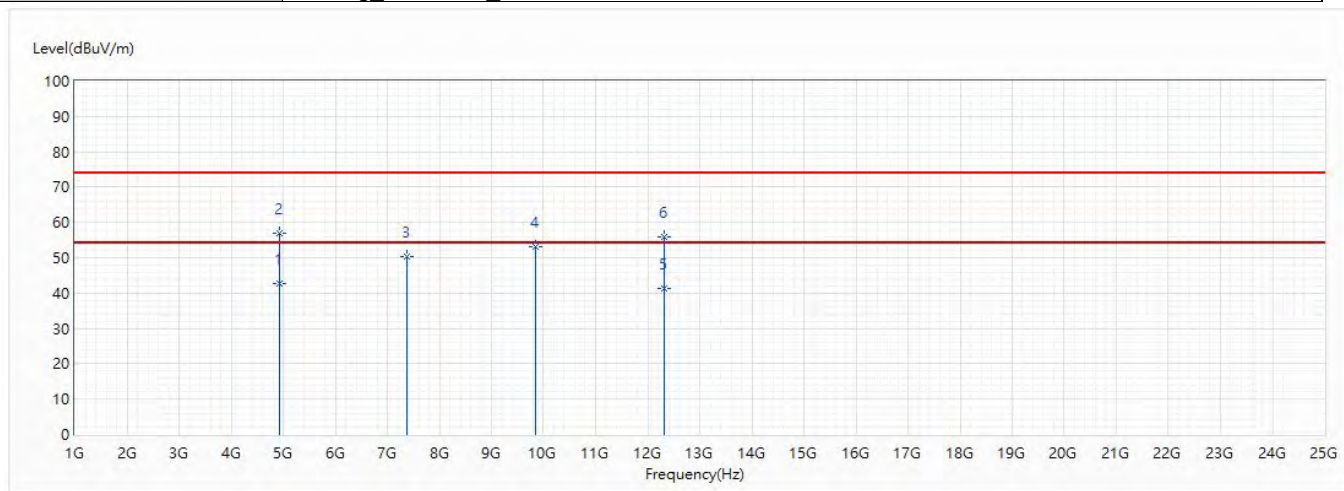


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	4876.746	46.93	54.00	-7.07	46.12	0.81	AV
2	4876.746	62.83	74.00	-11.17	62.02	0.81	PK
3	7304.437	51.58	74.00	-22.42	41.40	10.18	PK
4	9742.129	53.41	74.00	-20.59	38.36	15.05	PK
5	12190.561	41.96	54.00	-12.04	23.75	18.21	AV
6	12190.561	56.09	74.00	-17.91	37.88	18.21	PK

Note:

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

Site :	CB2-H	Engineer :	MARK
Model No :	EW-7822GTN 3.0A	Test Date :	2019/5/14
Test Voltage :	AC 120V/60Hz (Power by Notebook PC)	Polarity :	Horizontal
Test Mode :	Mode 1: Transmit Mode_SISO		
Note :	802.11g_2462MHz_ANT 0		

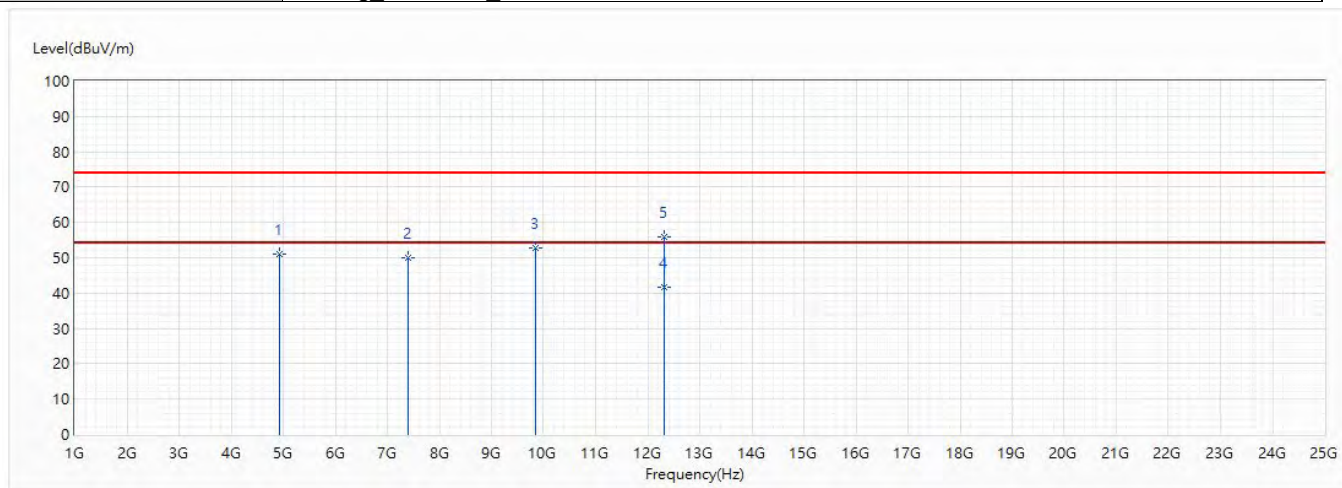


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	4924.301	42.78	54.00	-11.22	41.76	1.02	AV
2	4924.301	56.95	74.00	-17.05	55.93	1.02	PK
3	7387.584	50.32	74.00	-23.68	39.72	10.60	PK
4	9845.354	53.13	74.00	-20.87	37.89	15.24	PK
5	12312.147	41.47	54.00	-12.53	23.45	18.02	AV
6	12312.147	55.91	74.00	-18.09	37.89	18.02	PK

Note:

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

Site :	CB2-H	Engineer :	MARK
Model No :	EW-7822GTN 3.0A	Test Date :	2019/5/14
Test Voltage :	AC 120V/60Hz (Power by Notebook PC)	Polarity :	Vertical
Test Mode :	Mode 1: Transmit Mode_SISO		
Note :	802.11g_2462MHz_ANT 0		

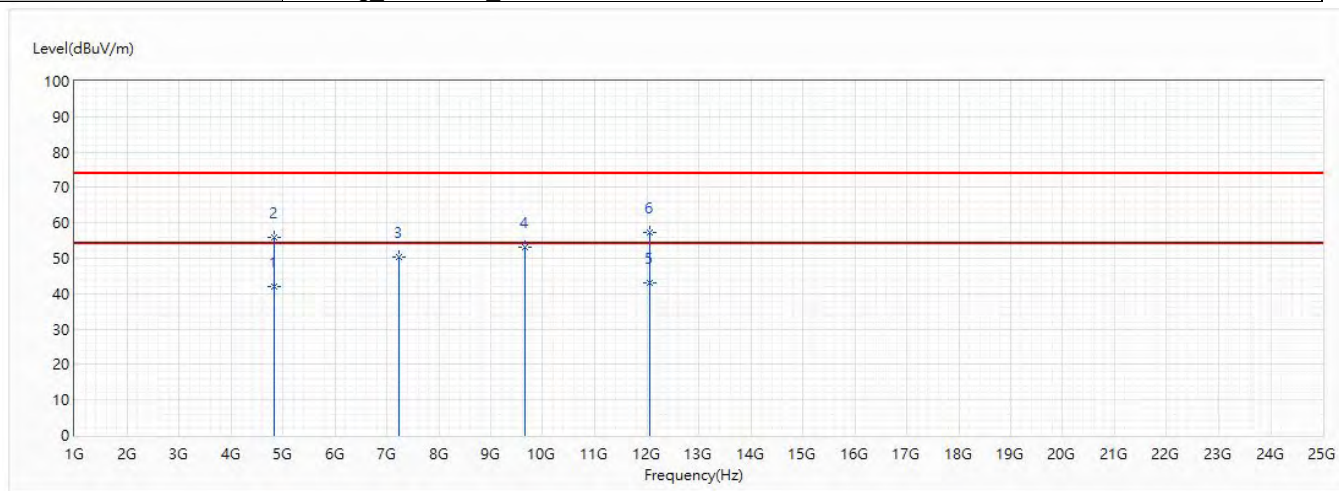


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	4922.577	51.08	74.00	-22.92	50.07	1.01	PK
2	7390.375	50.06	74.00	-23.94	39.45	10.61	PK
3	9847.681	52.61	74.00	-21.39	37.36	15.25	PK
* 4	12314.521	41.60	54.00	-12.40	23.58	18.02	AV
5	12314.521	56.07	74.00	-17.93	38.05	18.02	PK

Note:

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

Site :	CB2-H	Engineer :	Lion
Model No :	EW-7822GTN 3.0A	Test Date :	2019/9/10
Test Voltage :	AC 120V/60Hz (Power by Notebook PC)	Polarity :	Horizontal
Test Mode :	Mode 1: Transmit Mode_SISO		
Note :	802.11g_2412MHz_ANT 1		

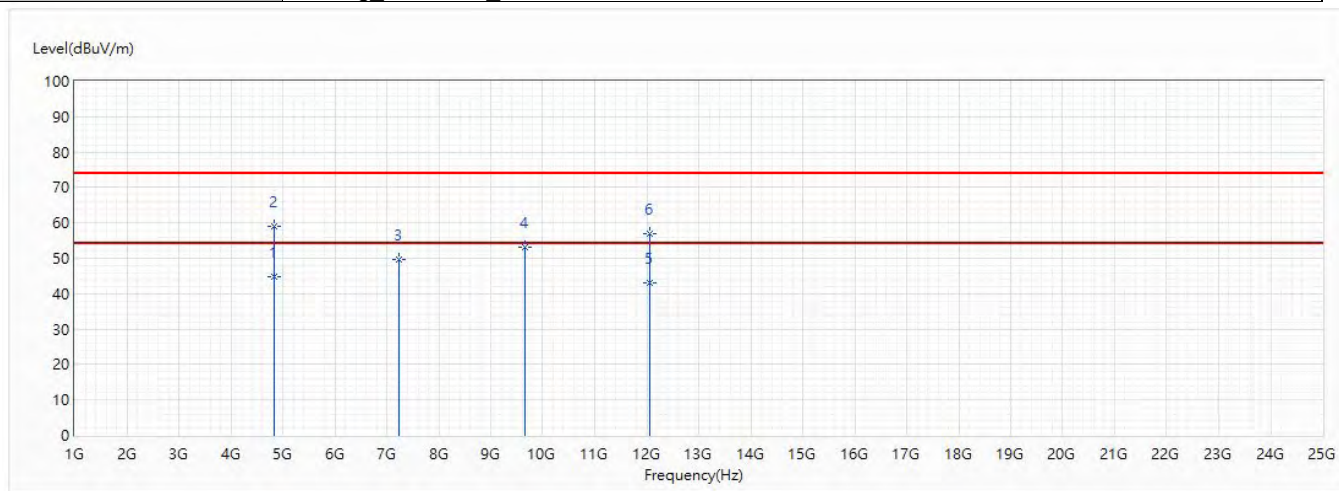


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	4824	42.11	54.00	-11.89	40.92	1.19	AV
2	4824	55.95	74.00	-18.05	54.76	1.19	PK
3	7236	50.33	74.00	-23.67	39.85	10.48	PK
4	9648	52.97	74.00	-21.03	37.96	15.01	PK
* 5	12060	43.12	54.00	-10.88	23.98	19.14	AV
6	12060	57.24	74.00	-16.76	38.10	19.14	PK

Note:

1. All reading above 1GHz is performed with peak measurements as necessary.
2. “ * ”, means this data is the worst emission level.
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 away from limit.

Site :	CB2-H	Engineer :	Lion
Model No :	EW-7822GTN 3.0A	Test Date :	2019/9/10
Test Voltage :	AC 120V/60Hz (Power by Notebook PC)	Polarity :	Vertical
Test Mode :	Mode 1: Transmit Mode_SISO		
Note :	802.11g_2412MHz_ANT 1		

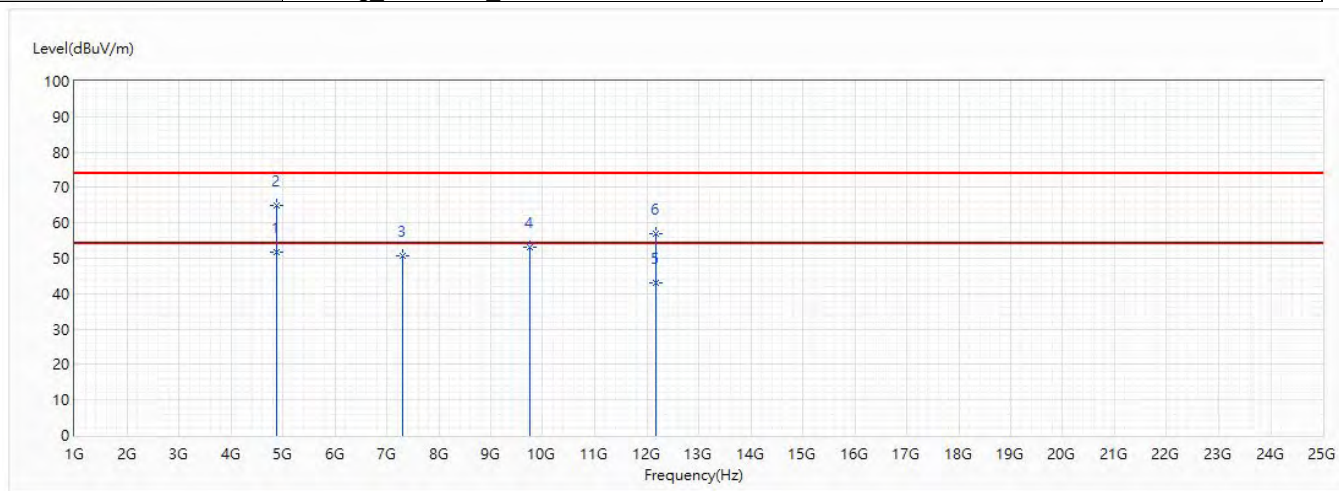


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	4824	44.78	54.00	-9.22	43.59	1.19	AV
2	4824	59.03	74.00	-14.97	57.84	1.19	PK
3	7236	49.65	74.00	-24.35	39.17	10.48	PK
4	9648	52.99	74.00	-21.01	37.98	15.01	PK
5	12060	43.10	54.00	-10.90	23.96	19.14	AV
6	12060	56.84	74.00	-17.16	37.70	19.14	PK

Note:

1. All reading above 1GHz is performed with peak measurements as necessary.
2. “ * ”, means this data is the worst emission level.
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 away from limit.

Site :	CB2-H	Engineer :	Lion
Model No :	EW-7822GTN 3.0A	Test Date :	2019/9/10
Test Voltage :	AC 120V/60Hz (Power by Notebook PC)	Polarity :	Horizontal
Test Mode :	Mode 1: Transmit Mode_SISO		
Note :	802.11g_2437MHz_ANT 1		

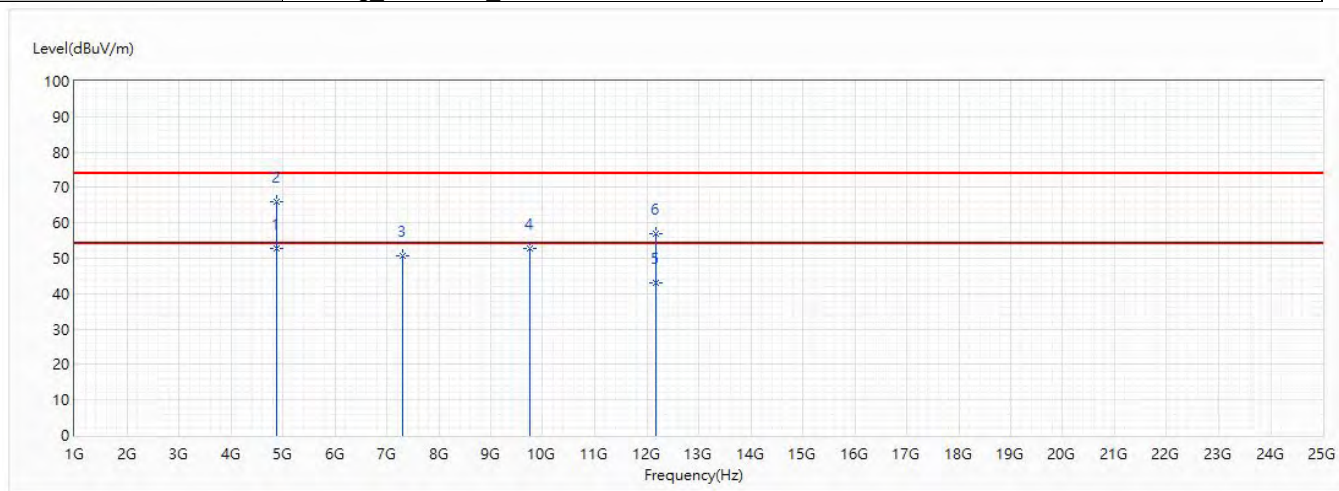


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	4874	51.65	54.00	-2.35	50.27	1.38	AV
2	4874	64.91	74.00	-9.09	63.53	1.38	PK
3	7311	50.72	74.00	-23.28	39.81	10.91	PK
4	9748	52.97	74.00	-21.03	37.69	15.28	PK
5	12185	43.02	54.00	-10.98	24.12	18.90	AV
6	12185	57.09	74.00	-16.91	38.19	18.90	PK

Note:

1. All reading above 1GHz is performed with peak measurements as necessary.
2. “ * ”, means this data is the worst emission level.
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 away from limit.

Site :	CB2-H	Engineer :	Lion
Model No :	EW-7822GTN 3.0A	Test Date :	2019/9/10
Test Voltage :	AC 120V/60Hz (Power by Notebook PC)	Polarity :	Vertical
Test Mode :	Mode 1: Transmit Mode_SISO		
Note :	802.11g_2437MHz_ANT 1		

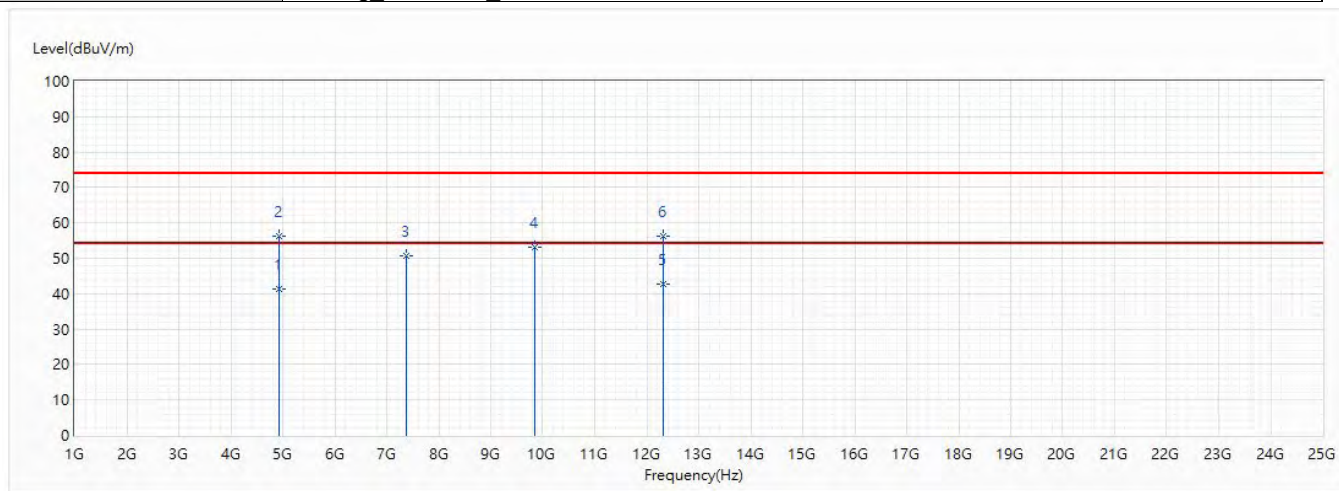


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	4874	51.90	54.00	-2.10	50.52	1.38	AV
2	4874	66.09	74.00	-7.91	64.71	1.38	PK
3	7311	50.56	74.00	-23.44	39.65	10.91	PK
4	9748	52.81	74.00	-21.19	37.53	15.28	PK
5	12185	43.07	54.00	-10.93	24.17	18.90	AV
6	12185	56.98	74.00	-17.02	38.08	18.90	PK

Note:

1. All reading above 1GHz is performed with peak measurements as necessary.
2. “ * ”, means this data is the worst emission level.
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 away from limit.

Site :	CB2-H	Engineer :	Lion
Model No :	EW-7822GTN 3.0A	Test Date :	2019/9/10
Test Voltage :	AC 120V/60Hz (Power by Notebook PC)	Polarity :	Horizontal
Test Mode :	Mode 1: Transmit Mode_SISO		
Note :	802.11g_2462MHz_ANT 1		

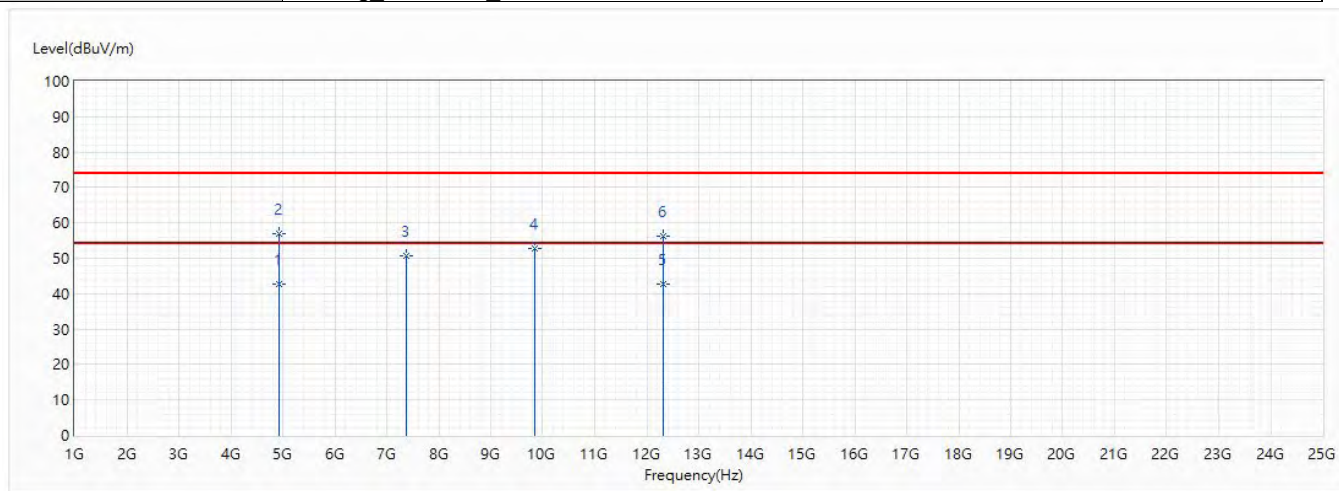


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	4924	41.44	54.00	-12.56	39.88	1.56	AV
2	4924	56.27	74.00	-17.73	54.71	1.56	PK
3	7386	50.70	74.00	-23.30	39.42	11.28	PK
4	9848	52.97	74.00	-21.03	37.52	15.45	PK
* 5	12310	42.63	54.00	-11.37	23.99	18.64	AV
6	12310	56.40	74.00	-17.60	37.76	18.64	PK

Note:

1. All reading above 1GHz is performed with peak measurements as necessary.
2. “ * ”, means this data is the worst emission level.
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 away from limit.

Site :	CB2-H	Engineer :	Lion
Model No :	EW-7822GTN 3.0A	Test Date :	2019/9/10
Test Voltage :	AC 120V/60Hz (Power by Notebook PC)	Polarity :	Vertical
Test Mode :	Mode 1: Transmit Mode_SISO		
Note :	802.11g_2462MHz_ANT 1		

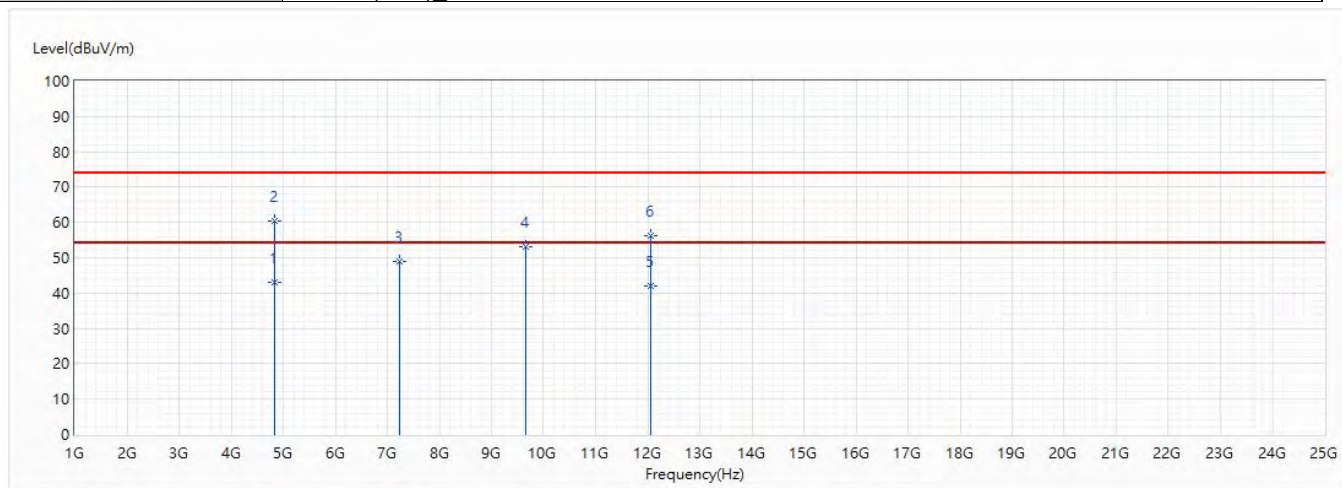


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	4924	42.68	54.00	-11.32	41.12	1.56	AV
2	4924	57.02	74.00	-16.98	55.46	1.56	PK
3	7386	50.62	74.00	-23.38	39.34	11.28	PK
4	9848	52.95	74.00	-21.05	37.50	15.45	PK
5	12310	42.57	54.00	-11.43	23.93	18.64	AV
6	12310	56.14	74.00	-17.86	37.50	18.64	PK

Note:

1. All reading above 1GHz is performed with peak measurements as necessary.
2. “ * ”, means this data is the worst emission level.
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 away from limit.

Site :	CB2-H	Engineer :	MARK
Model No :	EW-7822GTN 3.0A	Test Date :	2019/5/14
Test Voltage :	AC 120V/60Hz (Power by Notebook PC)	Polarity :	Horizontal
Test Mode :	Mode 2: Transmit Mode_MIMO		
Note :	802.11n(20M)_2412MHz		

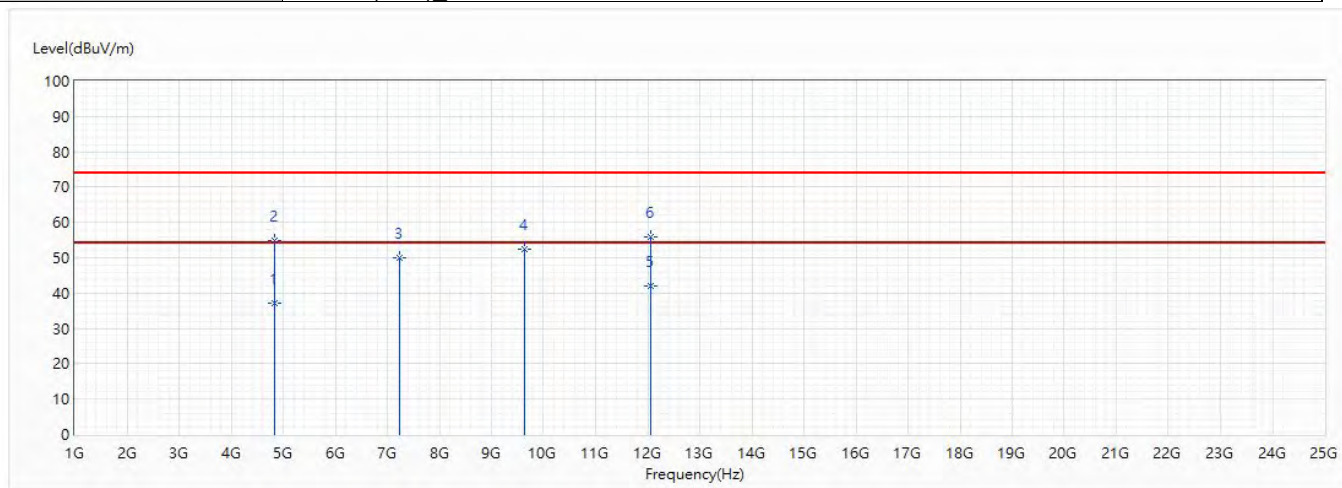


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	4828.474	43.15	54.00	-10.85	42.54	0.61	AV
2	4828.474	60.37	74.00	-13.63	59.76	0.61	PK
3	7236.193	48.95	74.00	-25.05	39.17	9.78	PK
4	9648.303	53.14	74.00	-20.86	38.33	14.81	PK
5	12059.102	41.95	54.00	-12.05	23.57	18.38	AV
6	12059.102	56.29	74.00	-17.71	37.91	18.38	PK

Note:

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

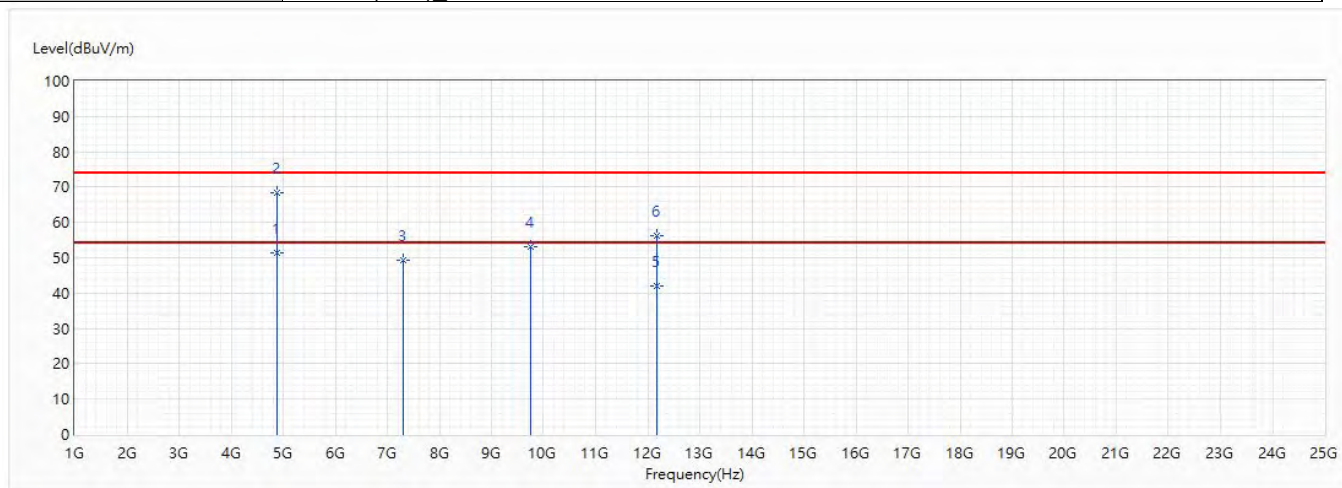
Site :	CB2-H	Engineer :	MARK
Model No :	EW-7822GTN 3.0A	Test Date :	2019/5/14
Test Voltage :	AC 120V/60Hz (Power by Notebook PC)	Polarity :	Vertical
Test Mode :	Mode 2: Transmit Mode_MIMO		
Note :	802.11n(20M)_2412MHz		



Note:

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

Site :	CB2-H	Engineer :	MARK
Model No :	EW-7822GTN 3.0A	Test Date :	2019/5/14
Test Voltage :	AC 120V/60Hz (Power by Notebook PC)	Polarity :	Horizontal
Test Mode :	Mode 2: Transmit Mode_MIMO		
Note :	802.11n(20M)_2437MHz		

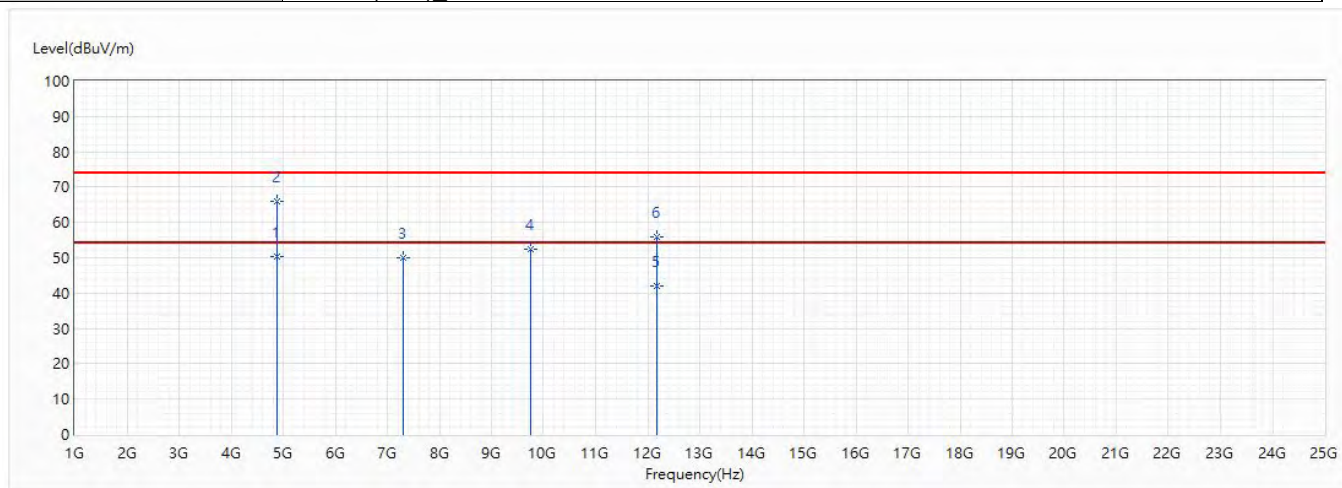


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	4872.772	51.54	54.00	-2.46	50.73	0.81	AV
2	4872.862	68.55	74.00	-5.45	67.74	0.81	PK
3	7311.54	49.17	74.00	-24.83	38.96	10.21	PK
4	9753.506	53.11	74.00	-20.89	38.02	15.09	PK
5	12179.601	42.03	54.00	-11.97	23.81	18.22	AV
6	12179.601	56.28	74.00	-17.72	38.06	18.22	PK

Note:

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

Site :	CB2-H	Engineer :	MARK
Model No :	EW-7822GTN 3.0A	Test Date :	2019/5/14
Test Voltage :	AC 120V/60Hz (Power by Notebook PC)	Polarity :	Vertical
Test Mode :	Mode 2: Transmit Mode_MIMO		
Note :	802.11n(20M)_2437MHz		

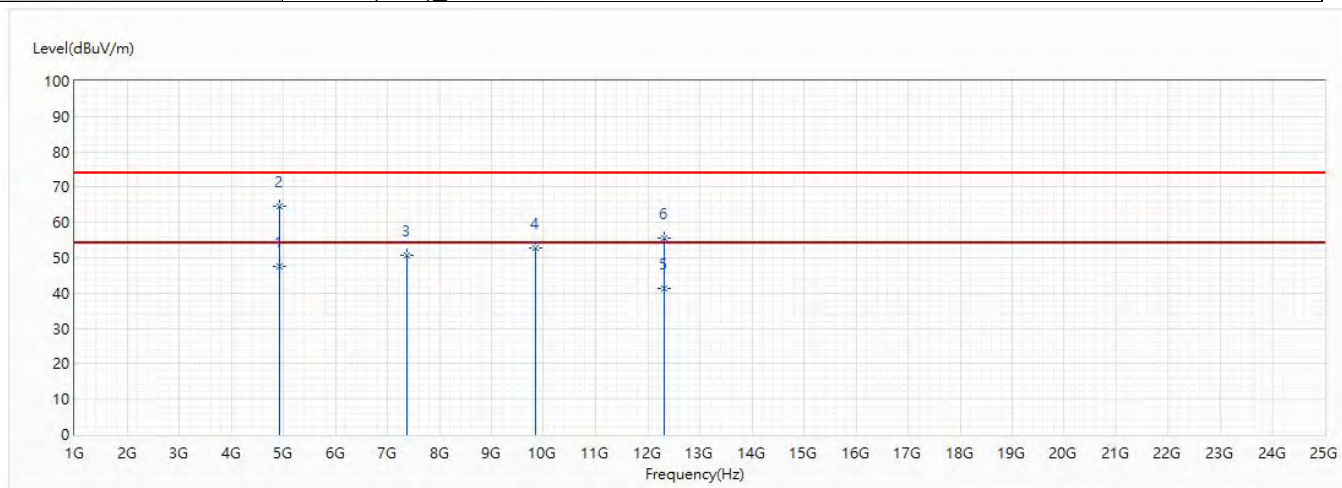


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	4870.811	50.41	54.00	-3.59	49.62	0.79	AV
2	4870.811	65.92	74.00	-8.08	65.13	0.79	PK
3	7306.97	49.91	74.00	-24.09	39.72	10.19	PK
4	9750.079	52.52	74.00	-21.48	37.44	15.08	PK
5	12183.583	41.93	54.00	-12.07	23.72	18.21	AV
6	12183.583	56.02	74.00	-17.98	37.81	18.21	PK

Note:

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

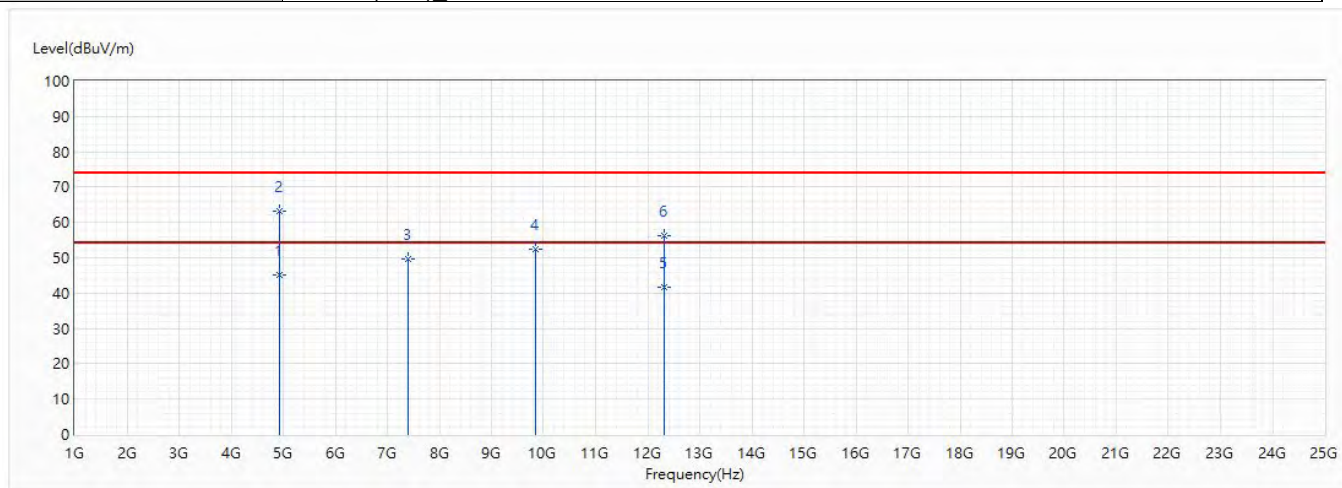
Site :	CB2-H	Engineer :	MARK
Model No :	EW-7822GTN 3.0A	Test Date :	2019/5/14
Test Voltage :	AC 120V/60Hz (Power by Notebook PC)	Polarity :	Horizontal
Test Mode :	Mode 2: Transmit Mode_MIMO		
Note :	802.11n(20M)_2462MHz		



Note:

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

Site :	CB2-H	Engineer :	MARK
Model No :	EW-7822GTN 3.0A	Test Date :	2019/5/14
Test Voltage :	AC 120V/60Hz (Power by Notebook PC)	Polarity :	Vertical
Test Mode :	Mode 2: Transmit Mode_MIMO		
Note :	802.11n(20M)_2462MHz		

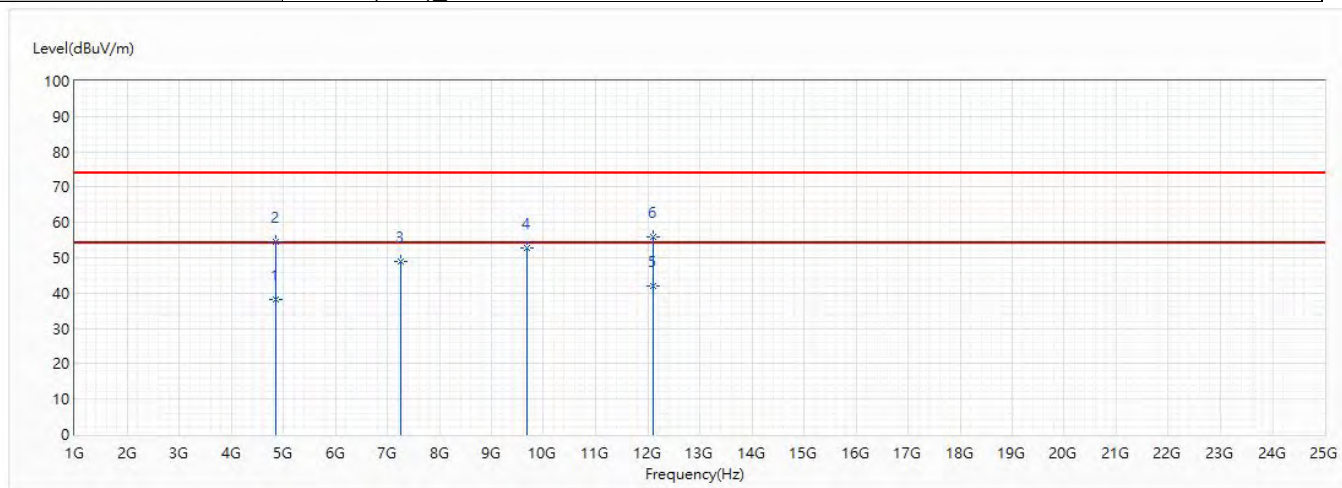


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	4923.564	45.09	54.00	-8.91	44.08	1.01	AV
2	4923.564	63.19	74.00	-10.81	62.18	1.01	PK
3	7392.689	49.78	74.00	-24.22	39.16	10.62	PK
4	9846.88	52.60	74.00	-21.40	37.35	15.25	PK
5	12312.568	41.57	54.00	-12.43	23.55	18.02	AV
6	12312.568	56.18	74.00	-17.82	38.16	18.02	PK

Note:

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

Site :	CB2-H	Engineer :	MARK
Model No :	EW-7822GTN 3.0A	Test Date :	2019/5/14
Test Voltage :	AC 120V/60Hz (Power by Notebook PC)	Polarity :	Horizontal
Test Mode :	Mode 2: Transmit Mode_MIMO		
Note :	802.11n(40M)_2422MHz		

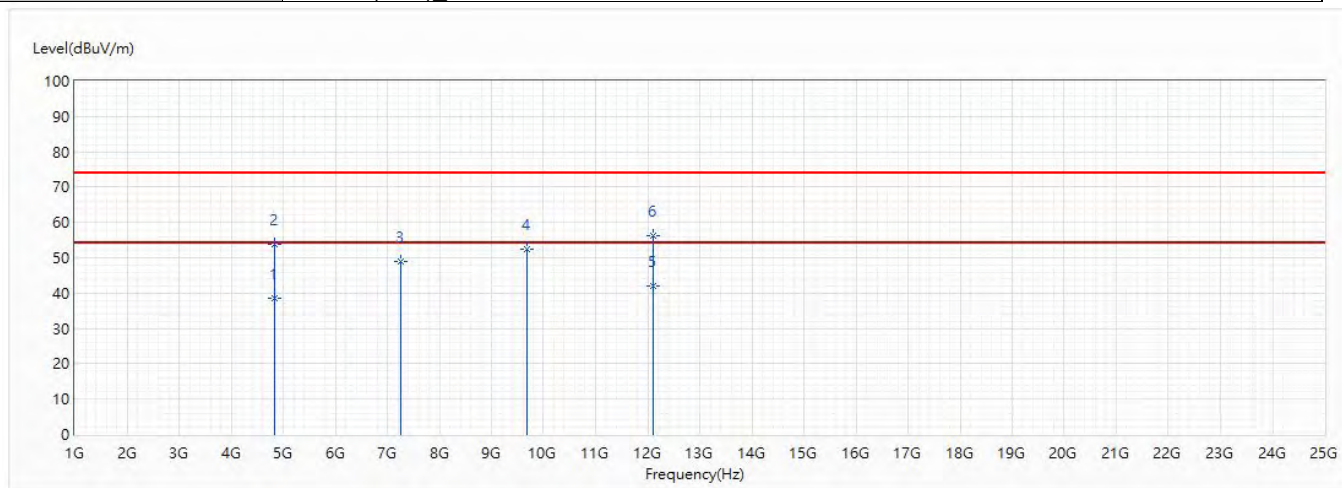


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	4849.095	38.13	54.00	-15.87	37.43	0.70	AV
2	4849.095	54.40	74.00	-19.60	53.70	0.70	PK
3	7258.642	49.13	74.00	-24.87	39.21	9.92	PK
4	9688.125	52.86	74.00	-21.14	37.97	14.89	PK
* 5	12116.191	42.11	54.00	-11.89	23.80	18.31	AV
6	12116.191	55.86	74.00	-18.14	37.55	18.31	PK

Note:

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

Site :	CB2-H	Engineer :	MARK
Model No :	EW-7822GTN 3.0A	Test Date :	2019/5/14
Test Voltage :	AC 120V/60Hz (Power by Notebook PC)	Polarity :	Vertical
Test Mode :	Mode 2: Transmit Mode_MIMO		
Note :	802.11n(40M)_2422MHz		

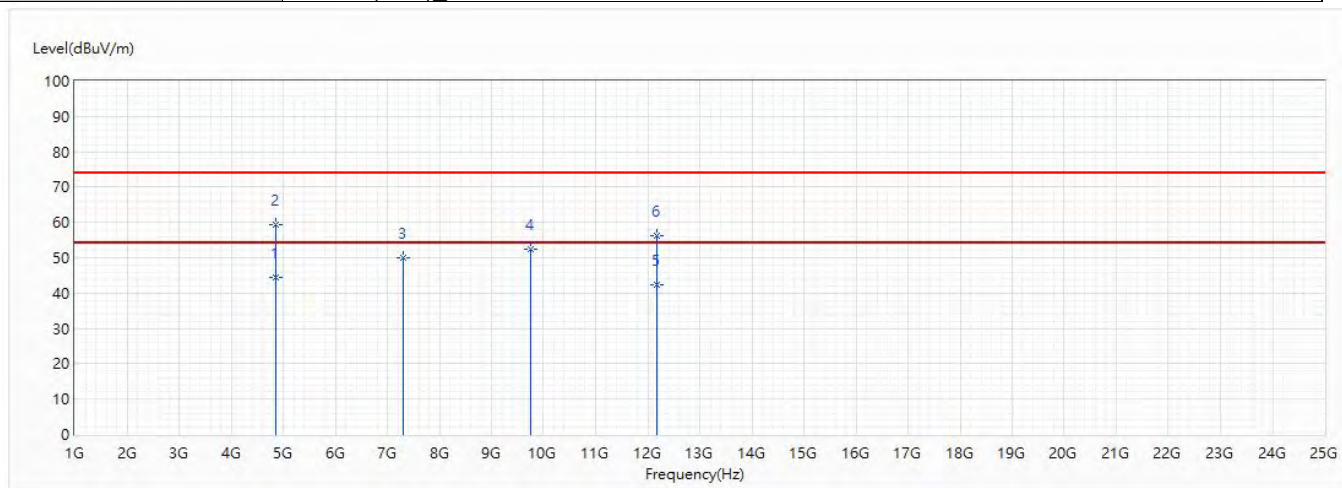


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	4842.602	38.58	54.00	-15.42	37.91	0.67	AV
2	4842.602	53.94	74.00	-20.06	53.27	0.67	PK
3	7258.663	49.02	74.00	-24.98	39.10	9.92	PK
4	9685.188	52.50	74.00	-21.50	37.61	14.89	PK
* 5	12112.454	42.14	54.00	-11.86	23.83	18.31	AV
6	12112.454	56.19	74.00	-17.81	37.88	18.31	PK

Note:

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

Site :	CB2-H	Engineer :	MARK
Model No :	EW-7822GTN 3.0A	Test Date :	2019/5/14
Test Voltage :	AC 120V/60Hz (Power by Notebook PC)	Polarity :	Horizontal
Test Mode :	Mode 2: Transmit Mode_MIMO		
Note :	802.11n(40M)_2437MHz		

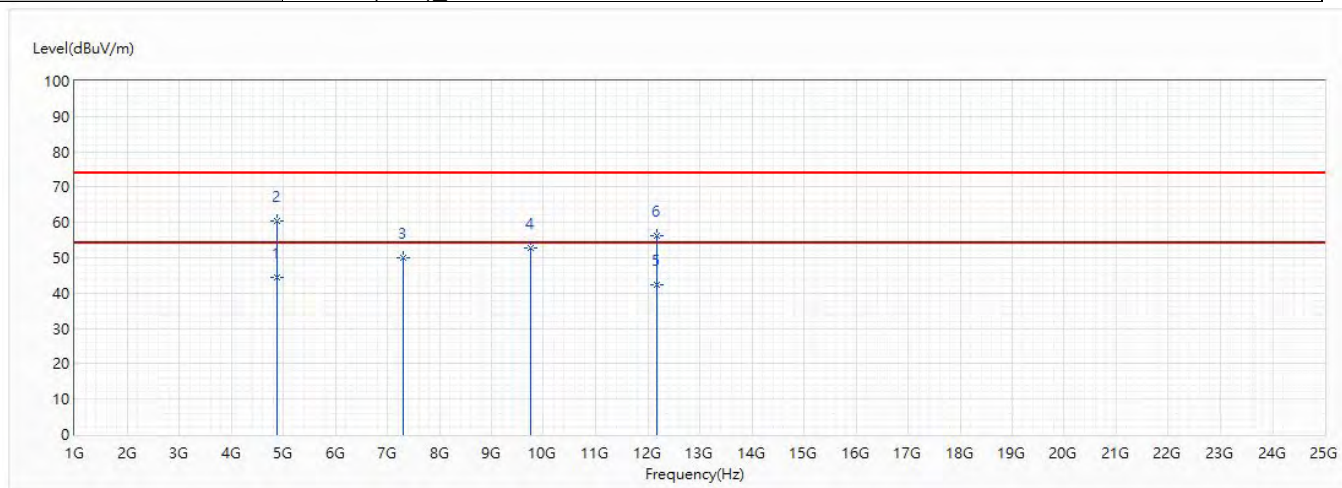


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	4868.112	44.30	54.00	-9.70	43.52	0.78	AV
2	4868.112	59.25	74.00	-14.75	58.47	0.78	PK
3	7310.511	50.04	74.00	-23.96	39.83	10.21	PK
4	9750.496	52.60	74.00	-21.40	37.52	15.08	PK
5	12187.955	42.35	54.00	-11.65	24.13	18.22	AV
6	12187.955	56.19	74.00	-17.81	37.97	18.22	PK

Note:

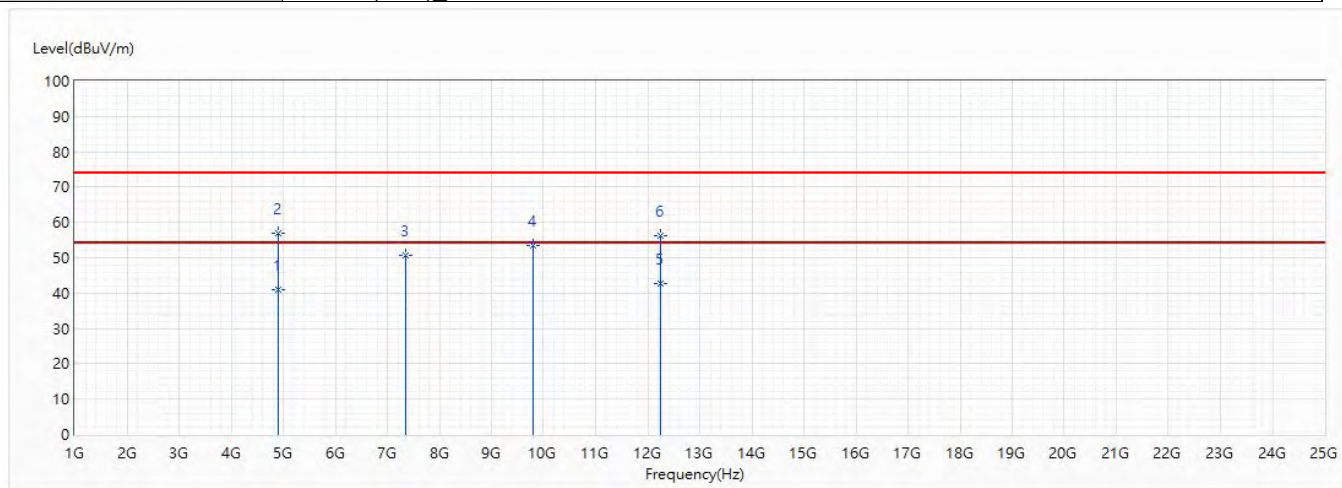
1. All Reading Levels is Quasi-Peak value.
2. “ * ”, means this data is the worst emission level.
3. Emission Level = Reading Level + Correct Factor
4. The Emission under 30MHz were not included is because their levels are lower than 20dB away from limit.

Site :	CB2-H	Engineer :	MARK
Model No :	EW-7822GTN 3.0A	Test Date :	2019/5/14
Test Voltage :	AC 120V/60Hz (Power by Notebook PC)	Polarity :	Vertical
Test Mode :	Mode 2: Transmit Mode_MIMO		
Note :	802.11n(40M)_2437MHz		

**Note:**

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

Site :	CB2-H	Engineer :	MARK
Model No :	EW-7822GTN 3.0A	Test Date :	2019/5/14
Test Voltage :	AC 120V/60Hz (Power by Notebook PC)	Polarity :	Horizontal
Test Mode :	Mode 2: Transmit Mode_MIMO		
Note :	802.11n(40M)_2452MHz		

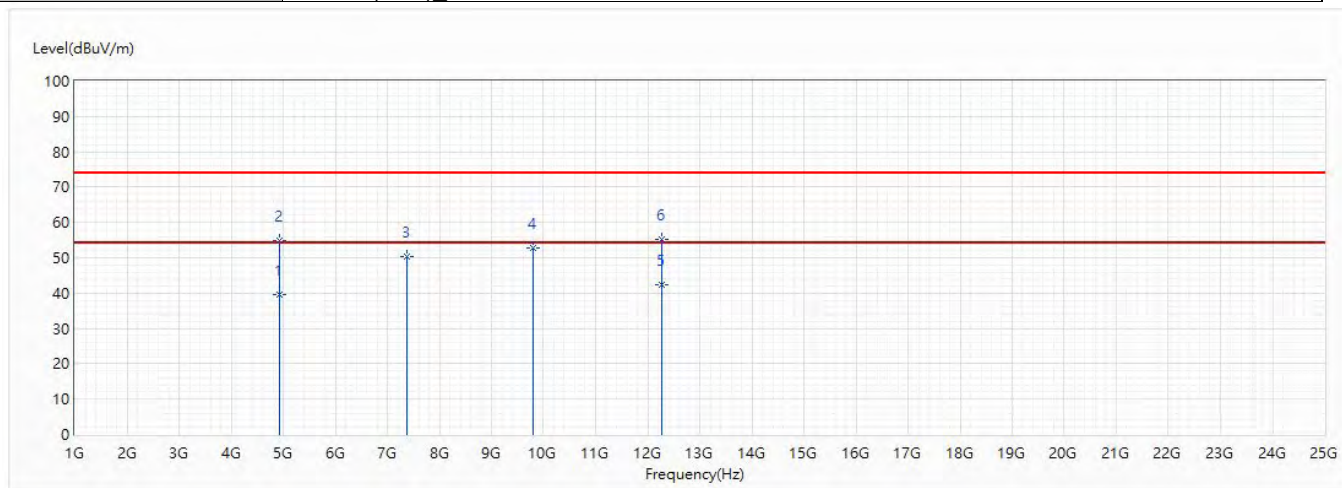


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	4902.44	41.10	54.00	-12.90	40.17	0.93	AV
2	4902.44	57.07	74.00	-16.93	56.14	0.93	PK
3	7361.775	50.53	74.00	-23.47	40.06	10.47	PK
4	9810.844	53.33	74.00	-20.67	38.15	15.18	PK
* 5	12240.85	42.62	54.00	-11.38	24.49	18.13	AV
6	12240.85	56.12	74.00	-17.88	37.99	18.13	PK

Note:

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

Site :	CB2-H	Engineer :	MARK
Model No :	EW-7822GTN 3.0A	Test Date :	2019/5/14
Test Voltage :	AC 120V/60Hz (Power by Notebook PC)	Polarity :	Vertical
Test Mode :	Mode 2: Transmit Mode_MIMO		
Note :	802.11n(40M)_2452MHz		



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	4923.814	39.68	54.00	-14.32	38.66	1.02	AV
2	4923.814	55.01	74.00	-18.99	53.99	1.02	PK
3	7366.227	50.44	74.00	-23.56	39.95	10.49	PK
4	9807.928	52.83	74.00	-21.17	37.65	15.18	PK
* 5	12266.615	42.51	54.00	-11.49	24.41	18.10	AV
6	12266.615	55.14	74.00	-18.86	37.04	18.10	PK

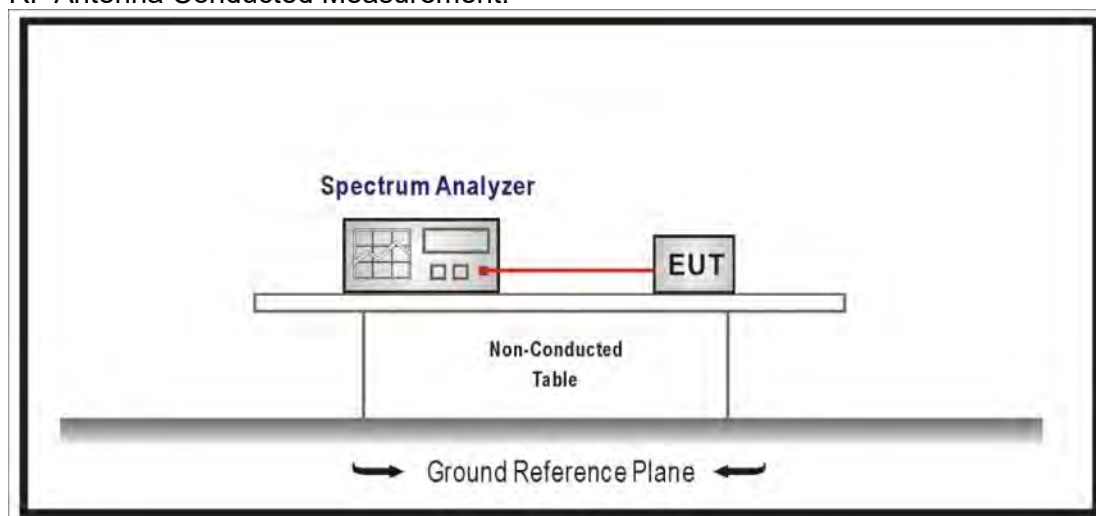
Note:

1. All reading above 1GHz is performed with peak measurements as necessary.
2. “ * ”, means this data is the worst emission level.
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 away from limit.

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 KDB 558074 D01 v05r02 for compliance to FCC 47CFR 15.247 requirements. Set RBW = 100 kHz, Set VBW > RBW, scan up through 10th harmonic.

5.4. Test Specification

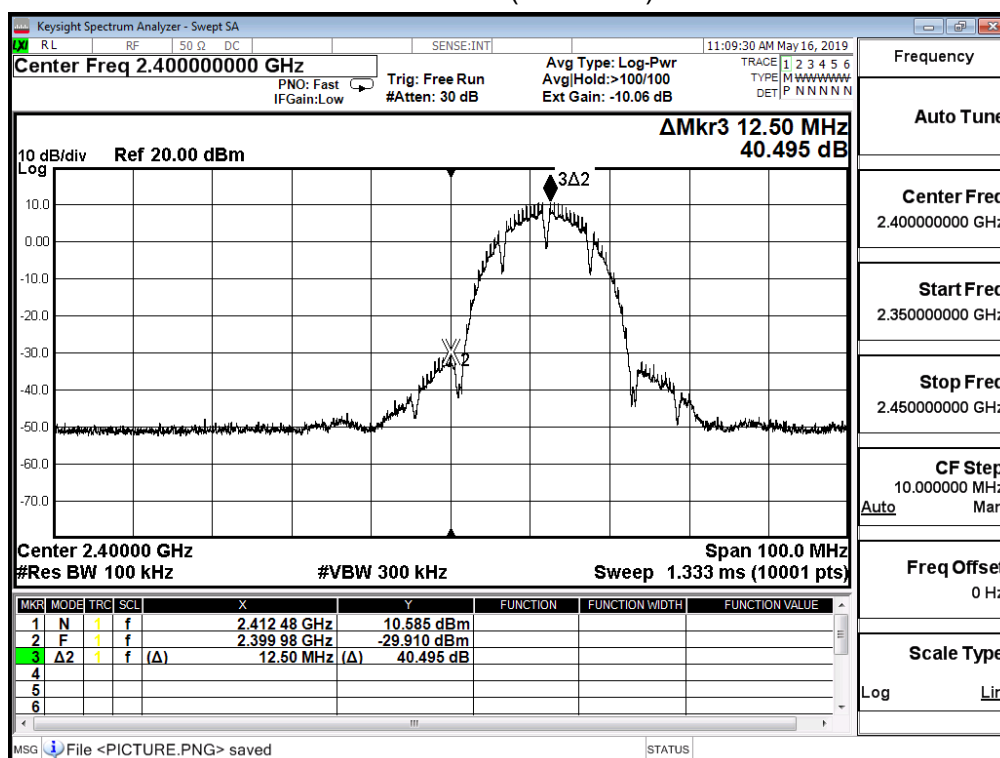
According to FCC Part 15 Subpart C Paragraph 15.247: 2018.

5.5. Test Result

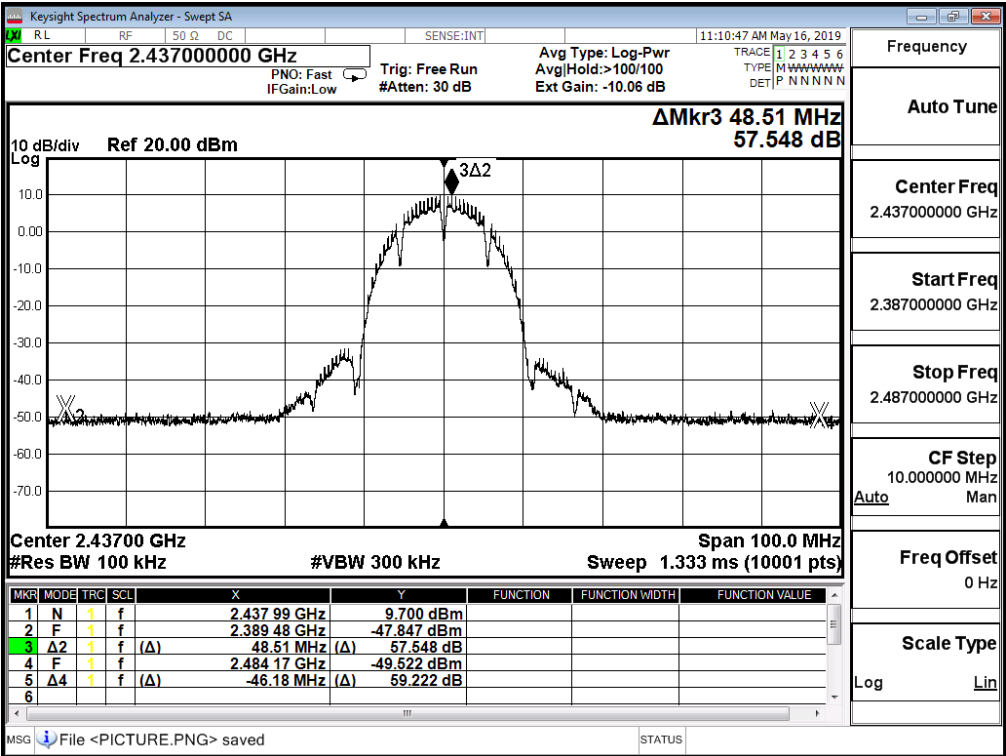
Product	N300 Wireless LAN USB Adapter		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit Mode_SISO		
Date of Test	2019/05/16	Test Site	SR10-H

IEEE 802.11b (ANT 0)				
Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	40.495	≥ 30	Pass
6	2437	51.374	≥ 30	Pass
11	2462	48.223	≥ 30	Pass

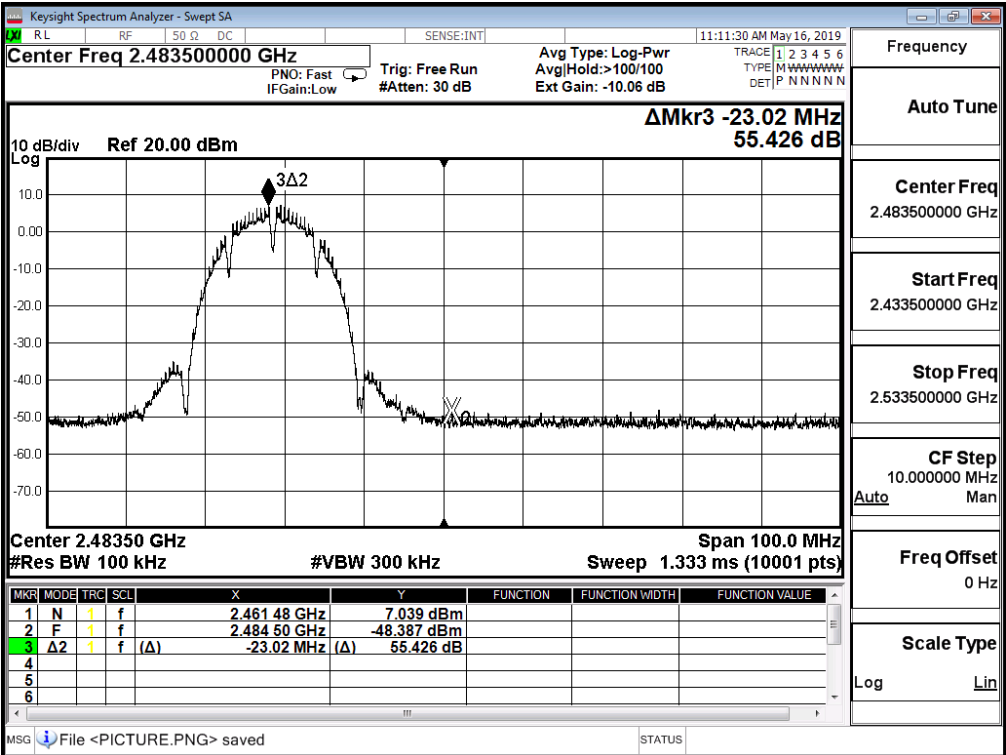
Channel 1 (2412MHz)



Channel 6 (2437MHz)



Channel 11 (2462MHz)

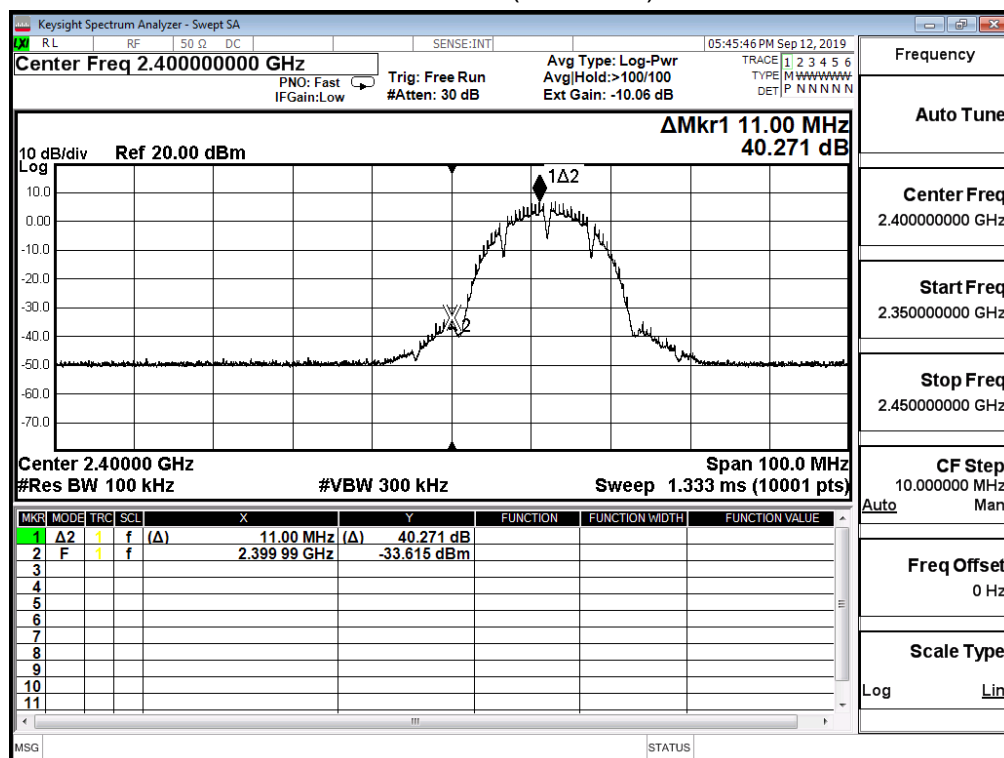


Product	N300 Wireless LAN USB Adapter		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit Mode_SISO		
Date of Test	2019/09/12	Test Site	SR10-H

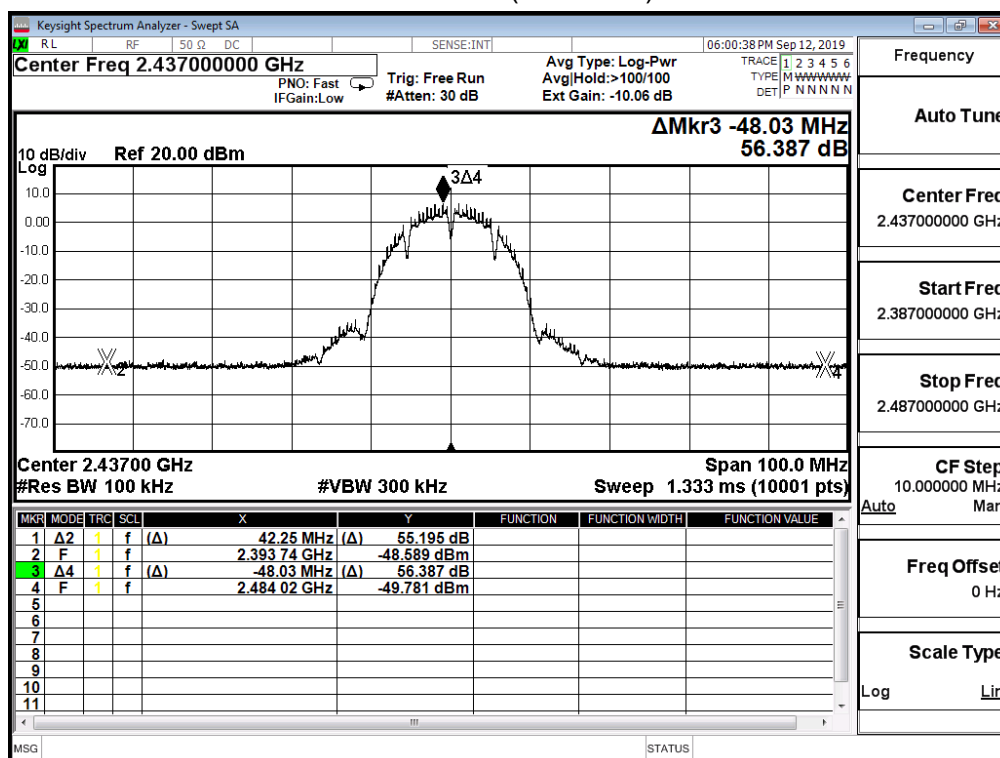
IEEE 802.11b (ANT 1)

Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	40.271	≥ 30	Pass
6	2437	48.079	≥ 30	Pass
11	2462	48.782	≥ 30	Pass

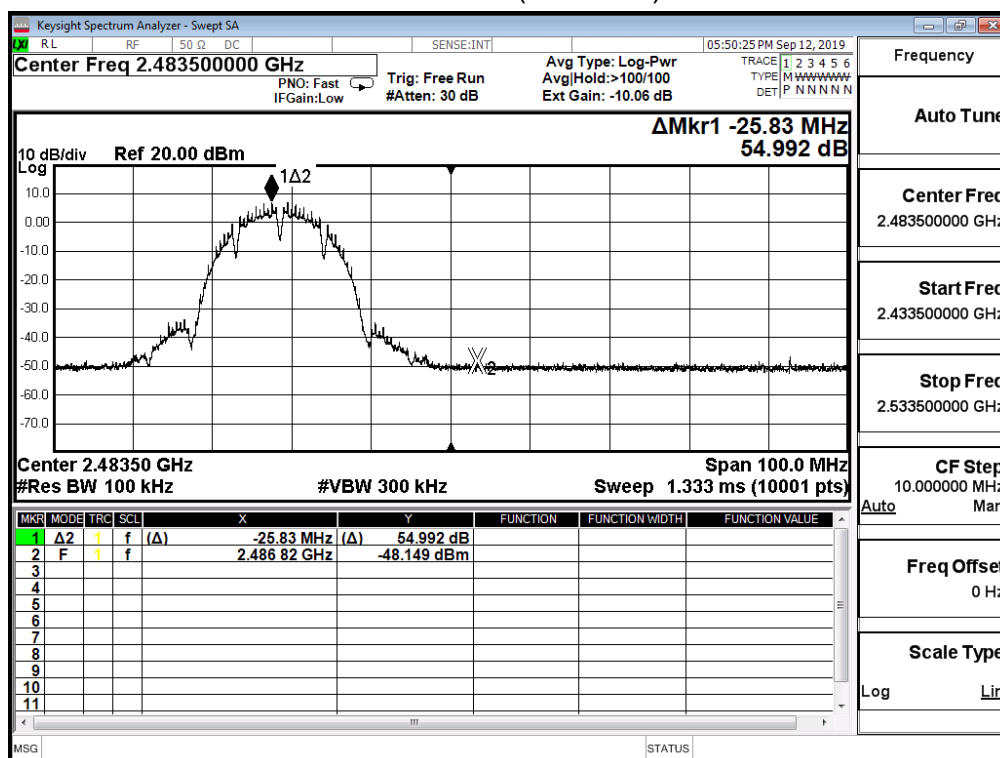
Channel 1 (2412MHz)



Channel 6 (2437MHz)



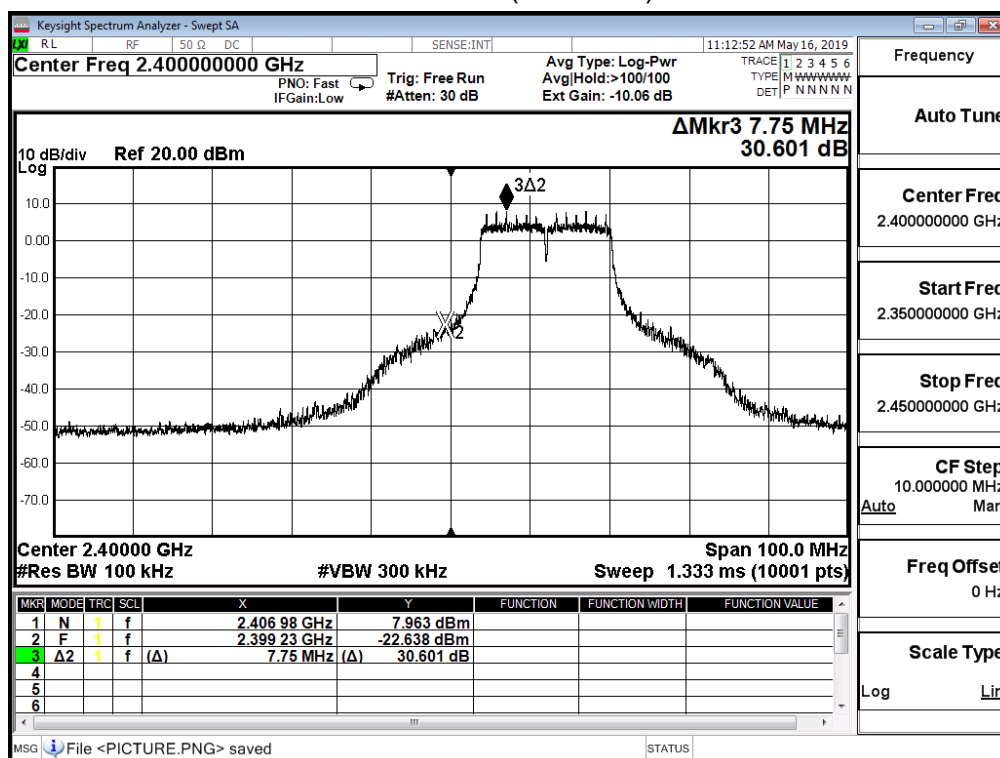
Channel 11 (2462MHz)



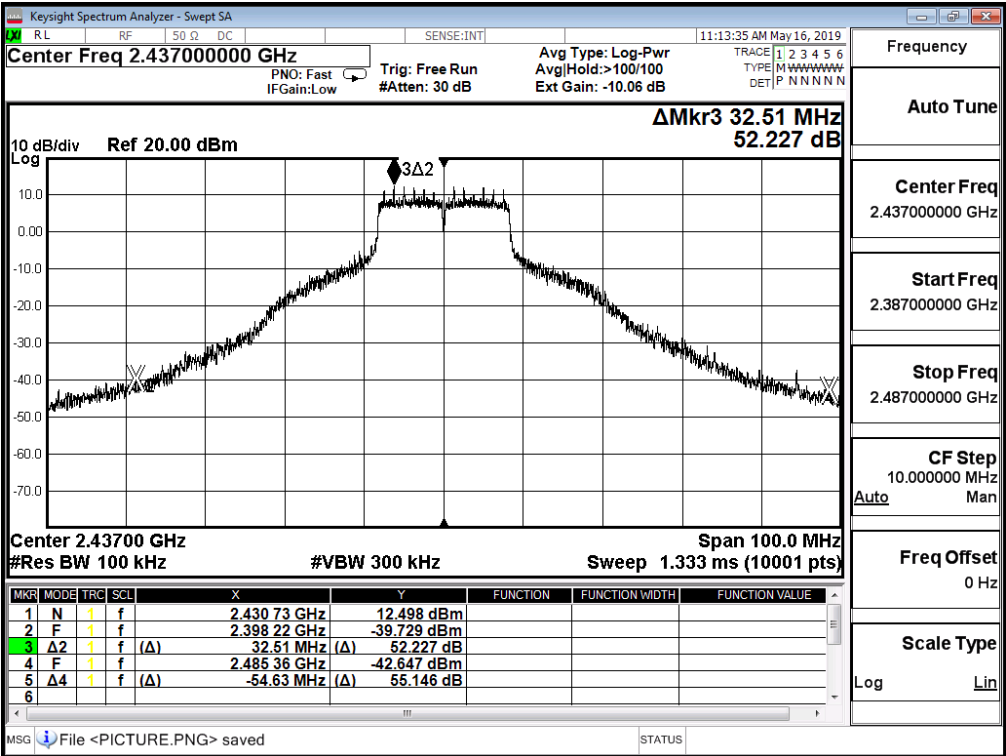
Product	N300 Wireless LAN USB Adapter		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit Mode_SISO		
Date of Test	2019/05/16	Test Site	SR10-H

IEEE 802.11g (ANT 0)				
Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	30.601	≥ 30	Pass
6	2437	52.227	≥ 30	Pass
11	2462	45.541	≥ 30	Pass

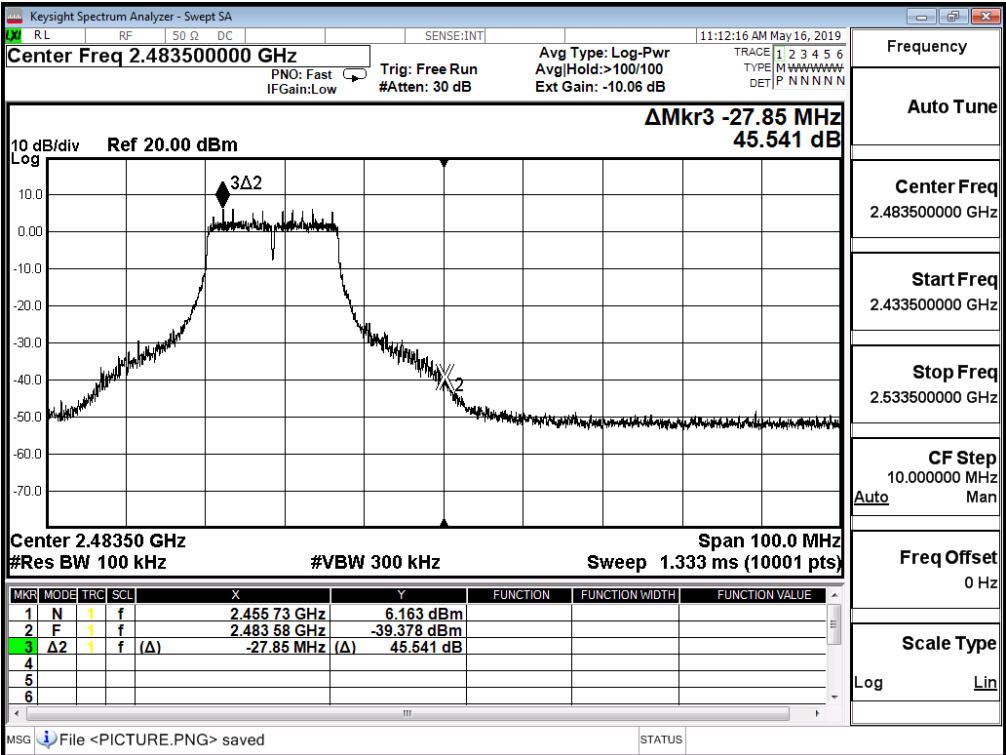
Channel 1 (2412MHz)



Channel 6 (2437MHz)



Channel 11 (2462MHz)

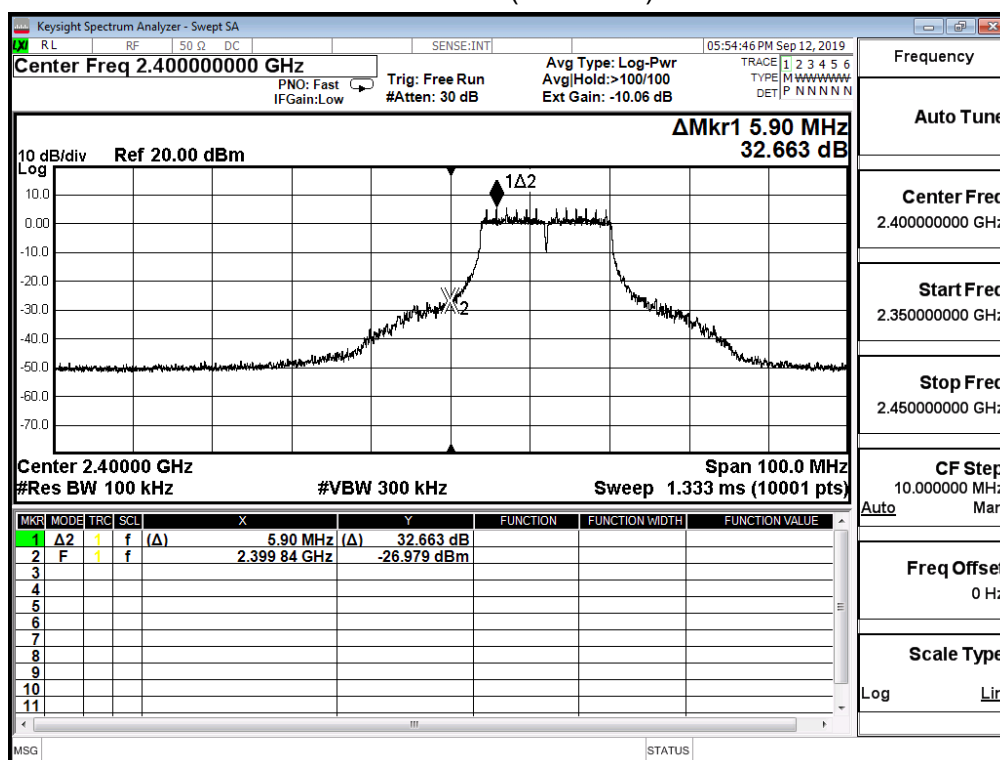


Product	N300 Wireless LAN USB Adapter		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit Mode_SISO		
Date of Test	2019/09/12	Test Site	SR10-H

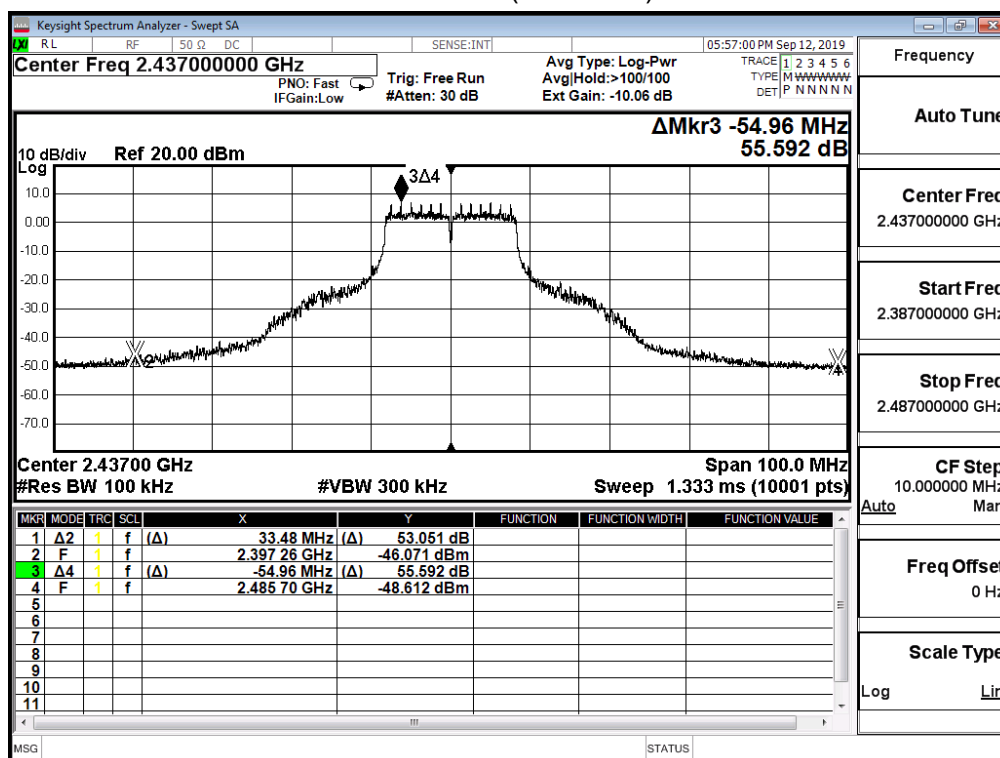
IEEE 802.11g (ANT 1)

Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	32.663	≥ 30	Pass
6	2437	48.256	≥ 30	Pass
11	2462	44.253	≥ 30	Pass

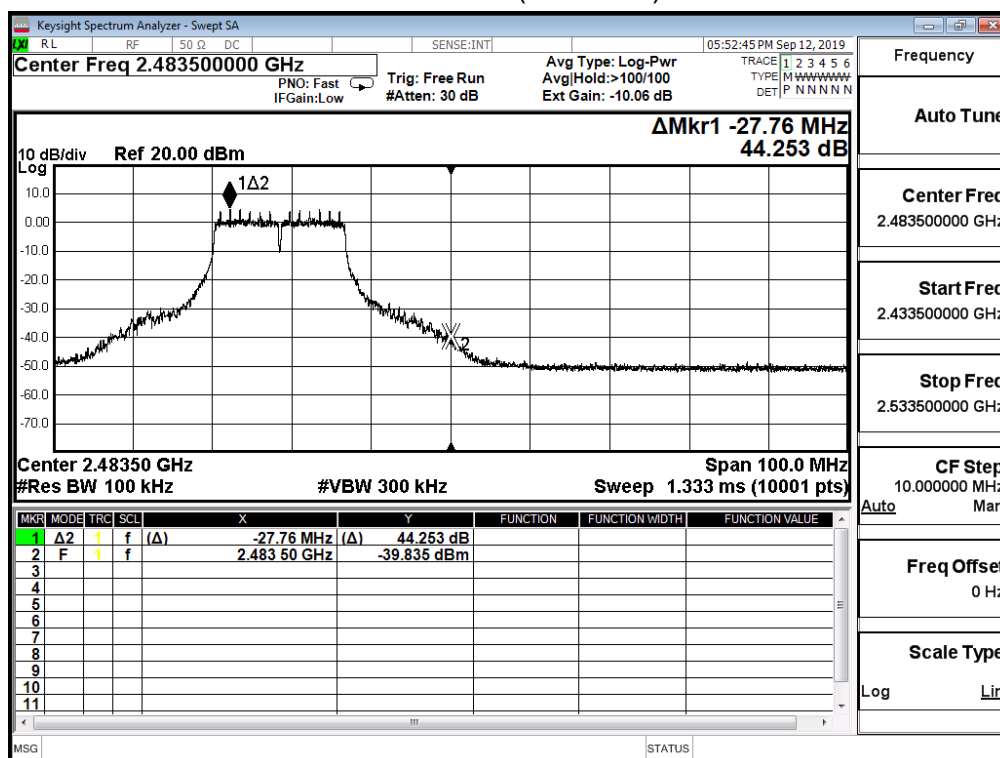
Channel 1 (2412MHz)



Channel 6 (2437MHz)



Channel 11 (2462MHz)

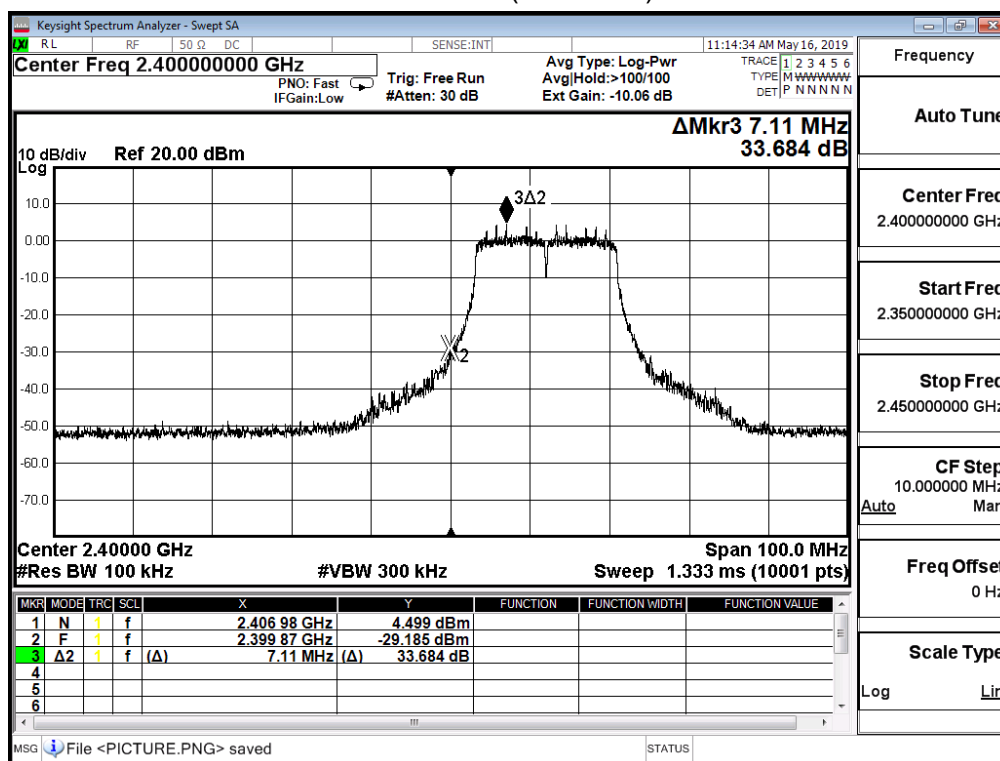


Product	N300 Wireless LAN USB Adapter		
Test Item	RF antenna conducted test		
Test Mode	Mode 2: Transmit Mode_MIMO		
Date of Test	2019/05/16	Test Site	SR10-H

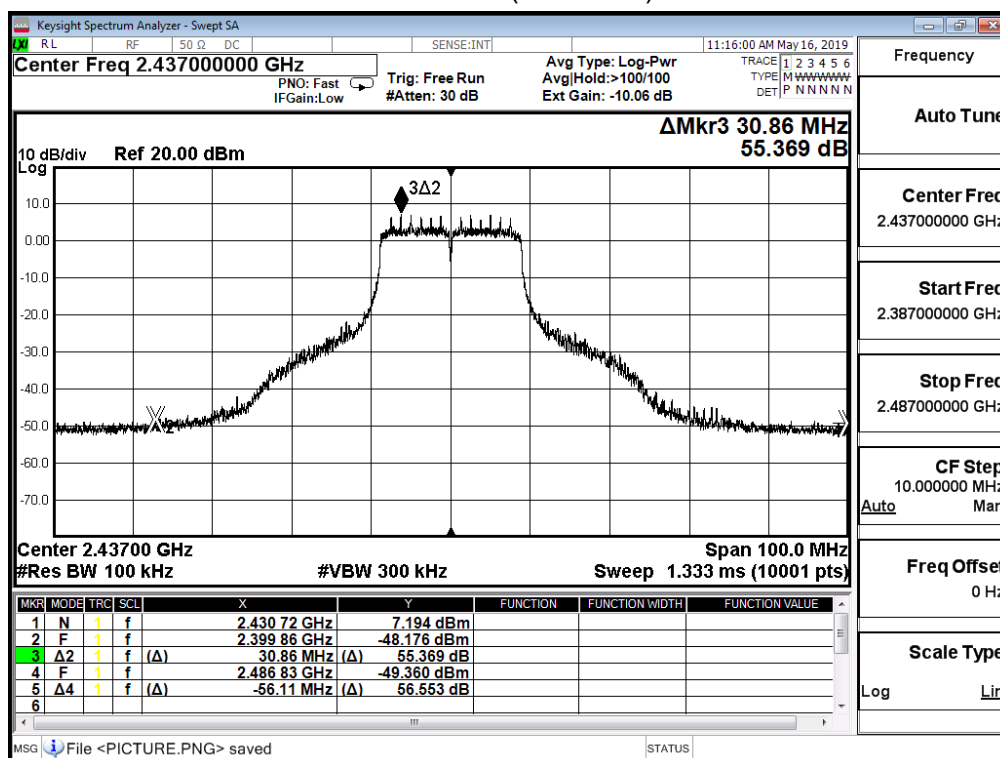
IEEE 802.11n (20M) (ANT 0)

Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	33.684	≥ 30	Pass
6	2437	47.963	≥ 30	Pass
11	2462	44.463	≥ 30	Pass

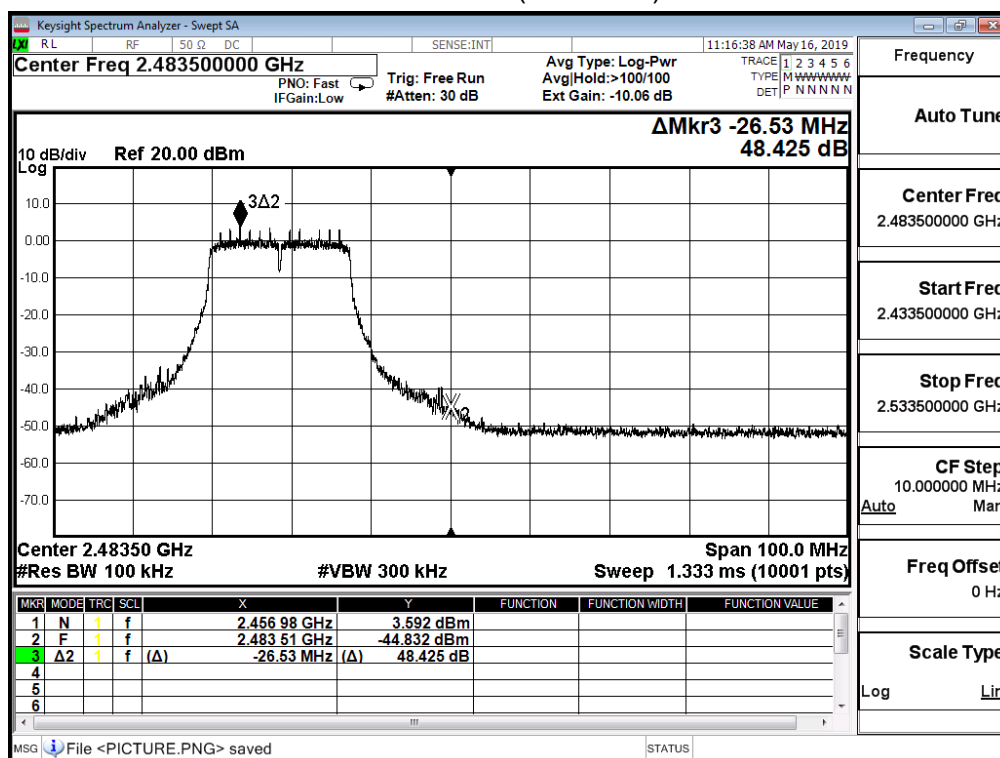
Channel 1 (2412MHz)



Channel 6 (2437MHz)



Channel 11 (2462MHz)

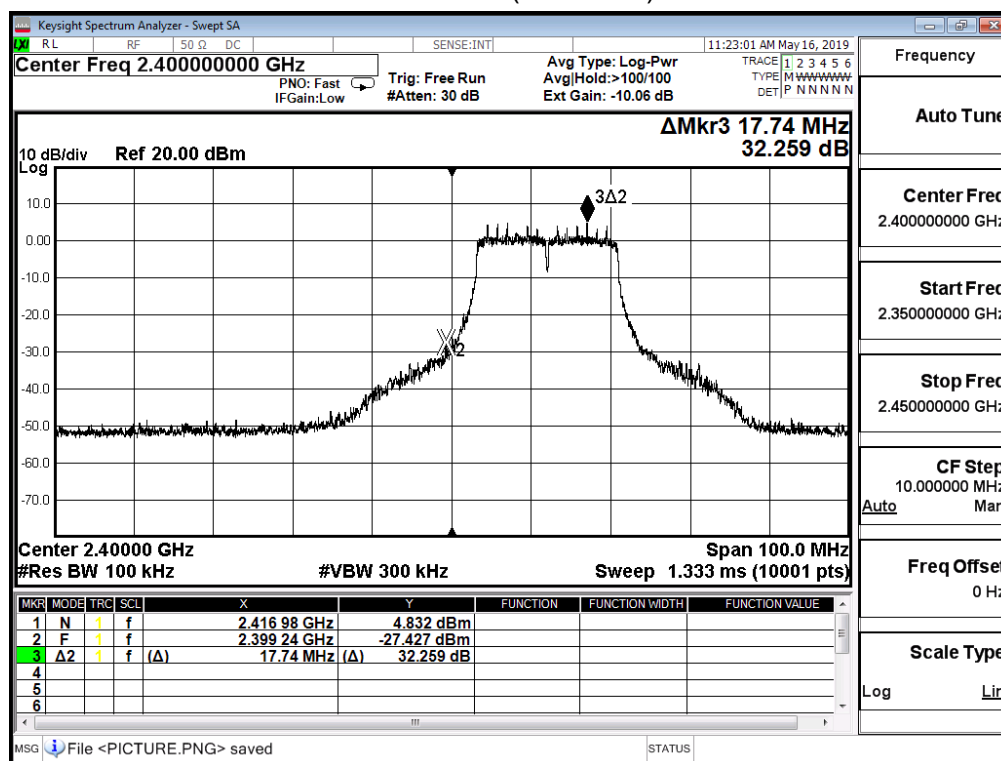


Product	N300 Wireless LAN USB Adapter		
Test Item	RF antenna conducted test		
Test Mode	Mode 2: Transmit Mode_MIMO		
Date of Test	2019/05/16	Test Site	SR10-H

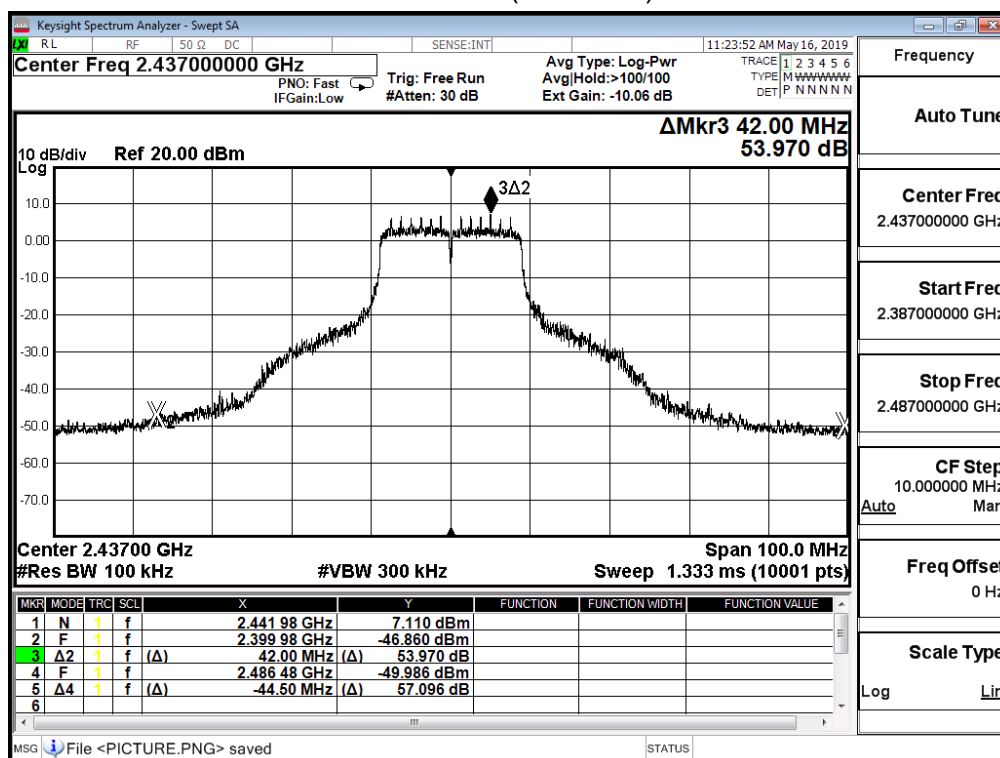
IEEE 802.11n (20M) (ANT 1)

Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	32.259	≥ 30	Pass
6	2437	48.833	≥ 30	Pass
11	2462	44.296	≥ 30	Pass

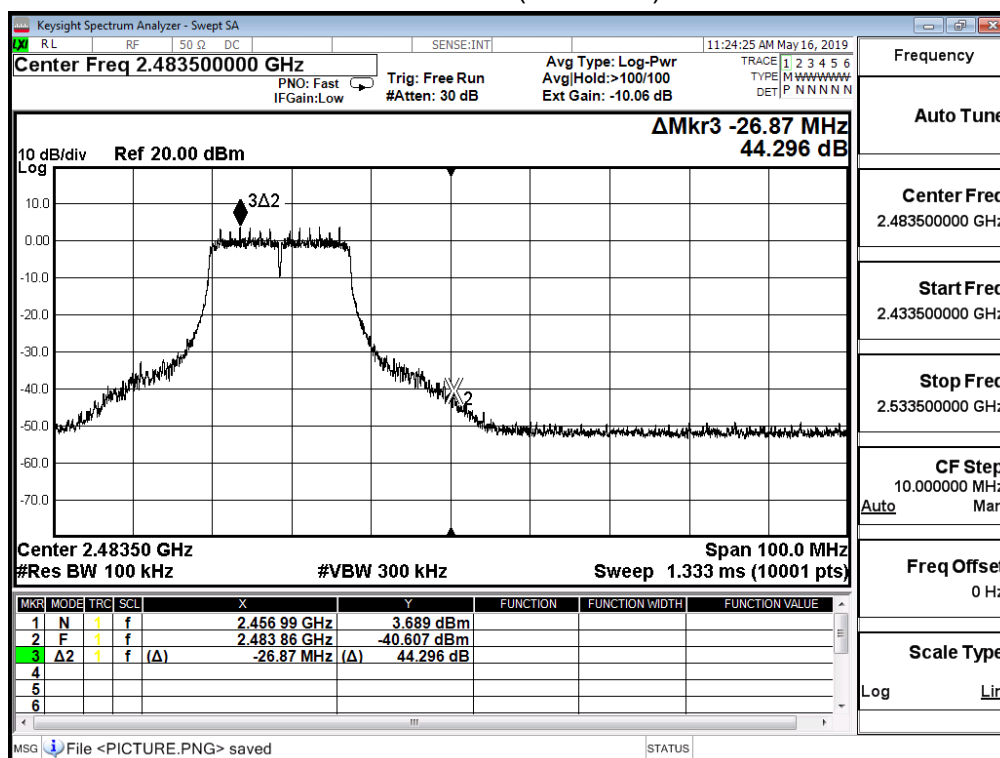
Channel 1 (2412MHz)



Channel 6 (2437MHz)



Channel 11 (2462MHz)

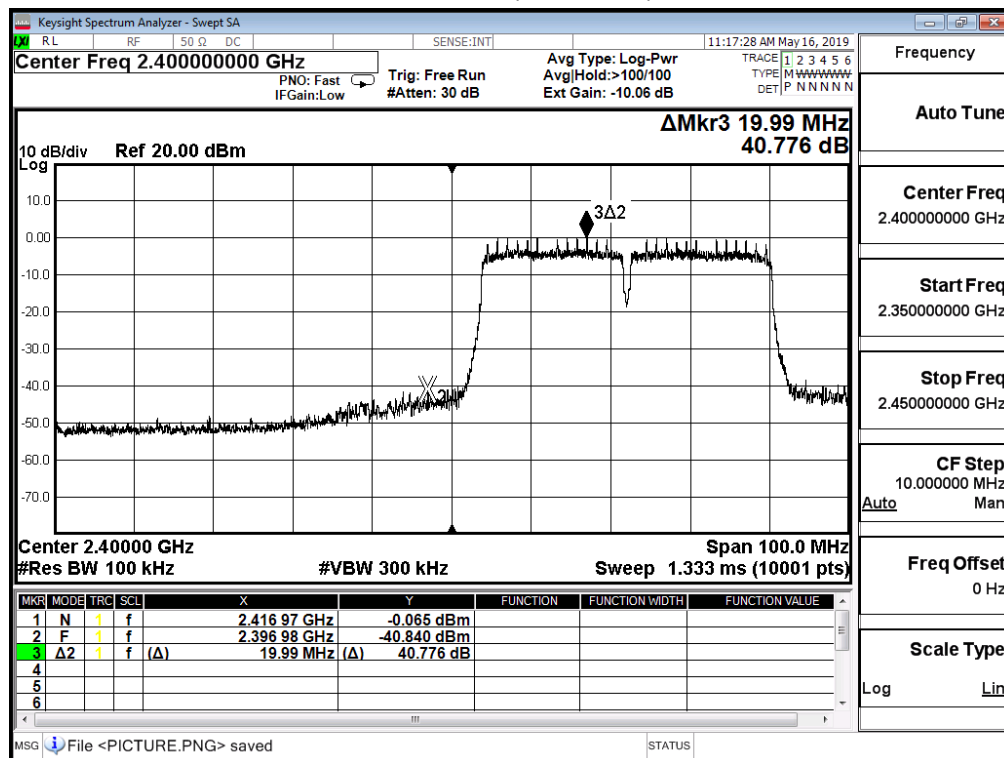


Product	N300 Wireless LAN USB Adapter		
Test Item	RF antenna conducted test		
Test Mode	Mode 2: Transmit Mode_MIMO		
Date of Test	2019/05/16	Test Site	SR10-H

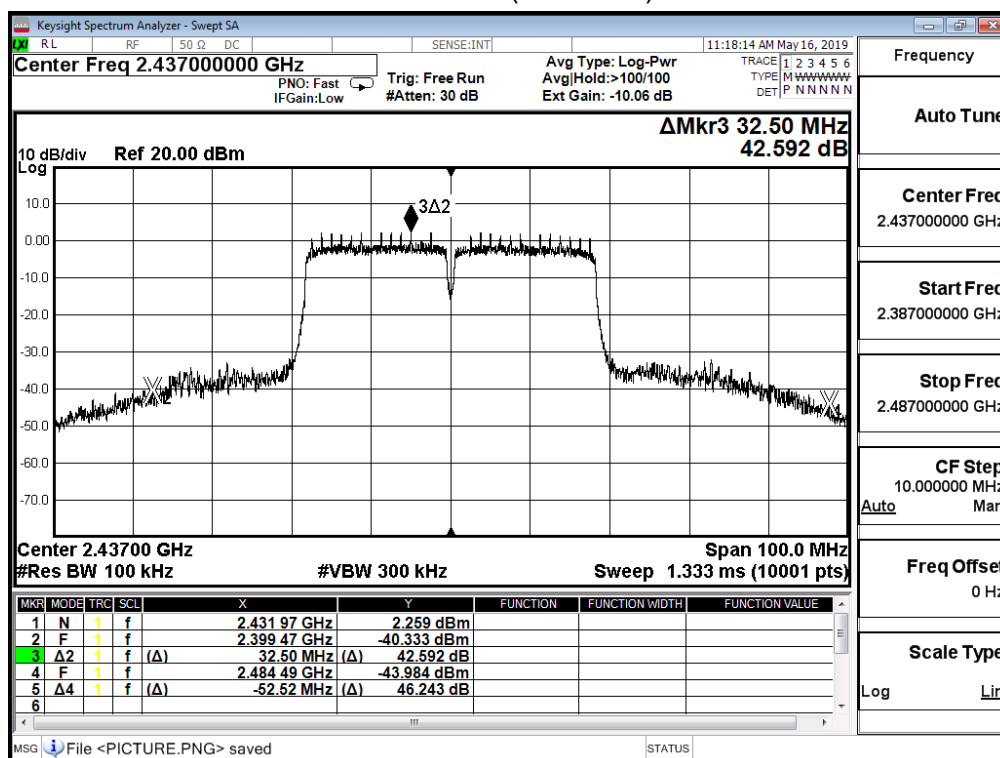
IEEE 802.11n (40M) (ANT 0)

Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
3	2422	40.776	≥ 30	Pass
6	2437	42.592	≥ 30	Pass
9	2452	40.694	≥ 30	Pass

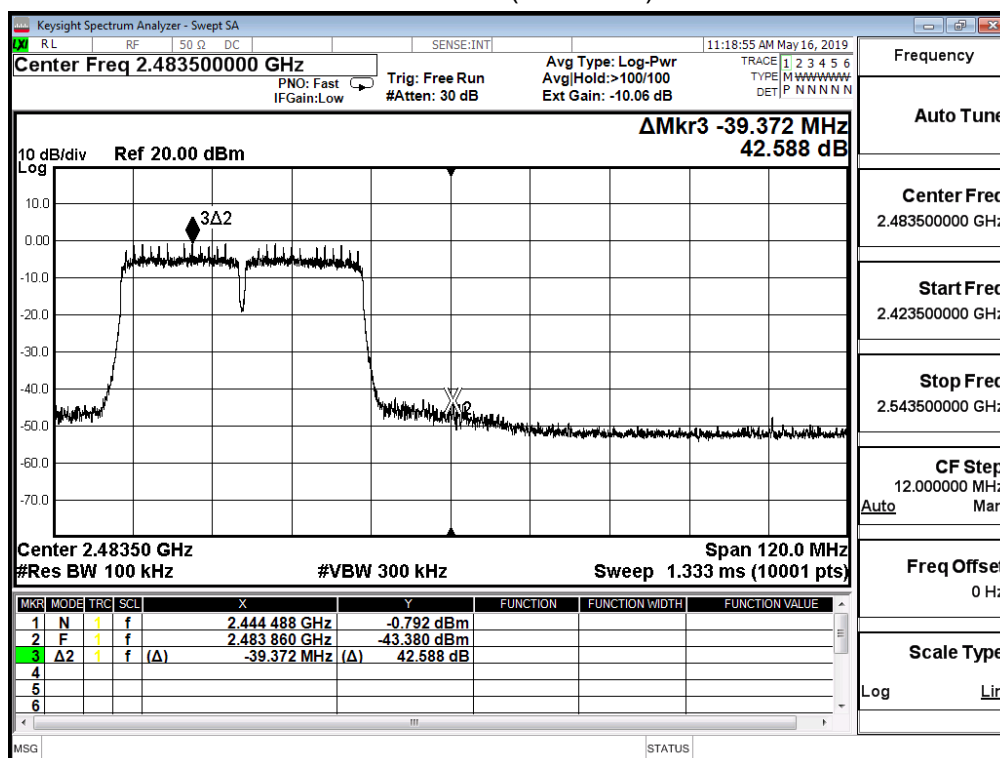
Channel 3 (2422MHz)



Channel 6 (2437MHz)



Channel 9 (2452MHz)

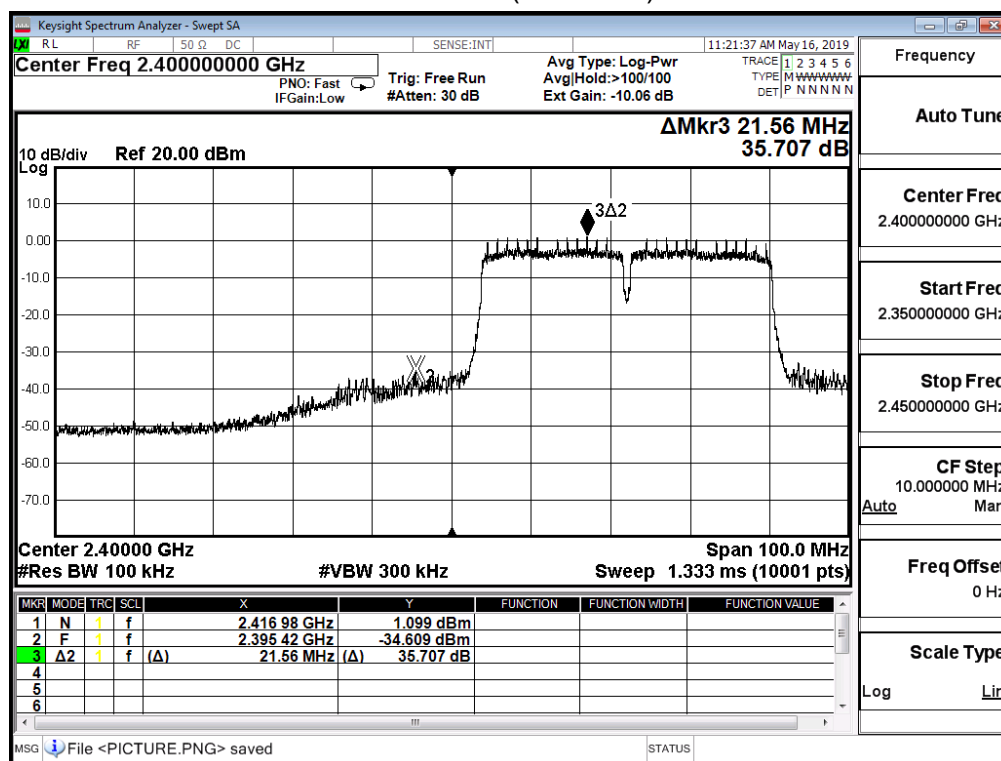


Product	N300 Wireless LAN USB Adapter		
Test Item	RF antenna conducted test		
Test Mode	Mode 2: Transmit Mode_MIMO		
Date of Test	2019/05/16	Test Site	SR10-H

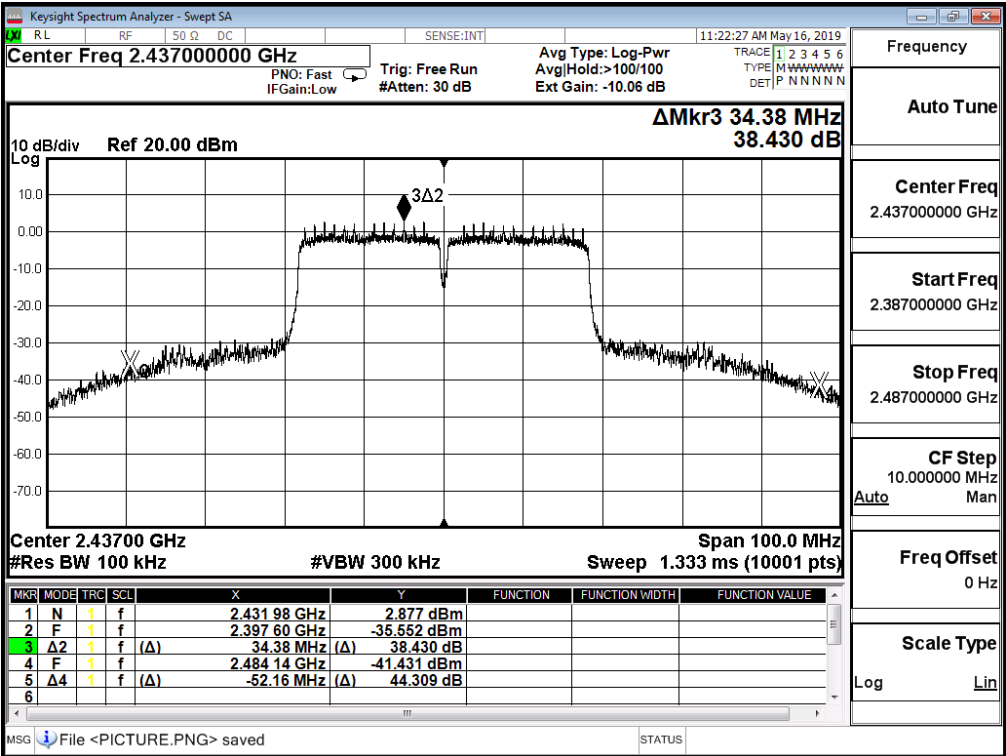
IEEE 802.11n (40M) (ANT 1)

Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
3	2422	35.707	≥ 30	Pass
6	2437	38.430	≥ 30	Pass
9	2452	39.788	≥ 30	Pass

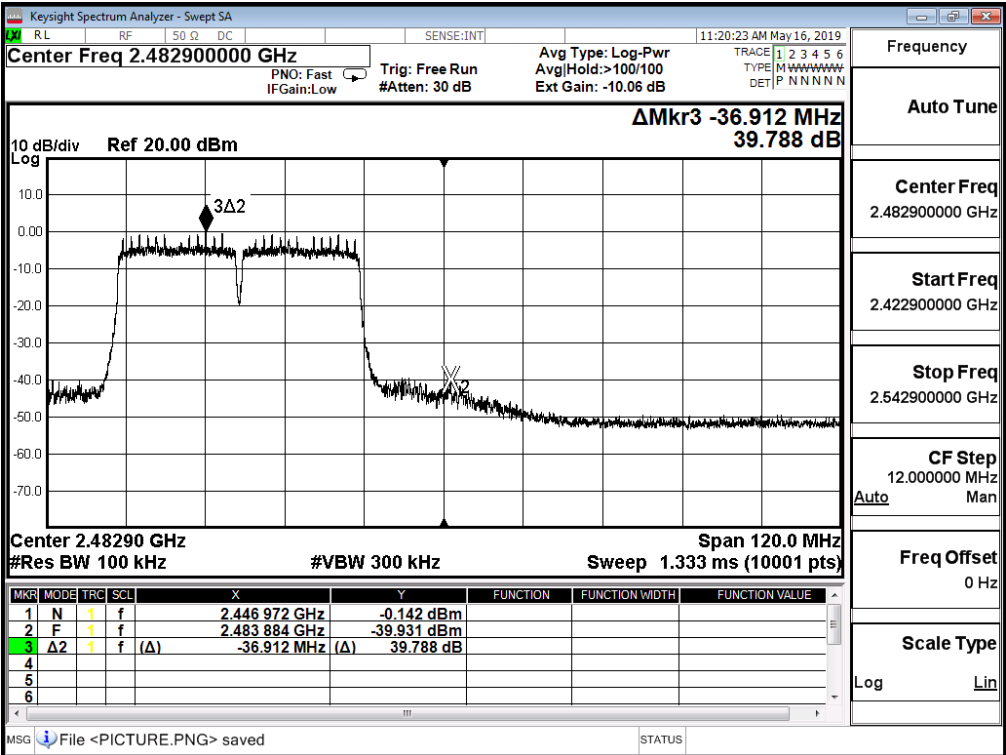
Channel 3 (2422MHz)



Channel 6 (2437MHz)

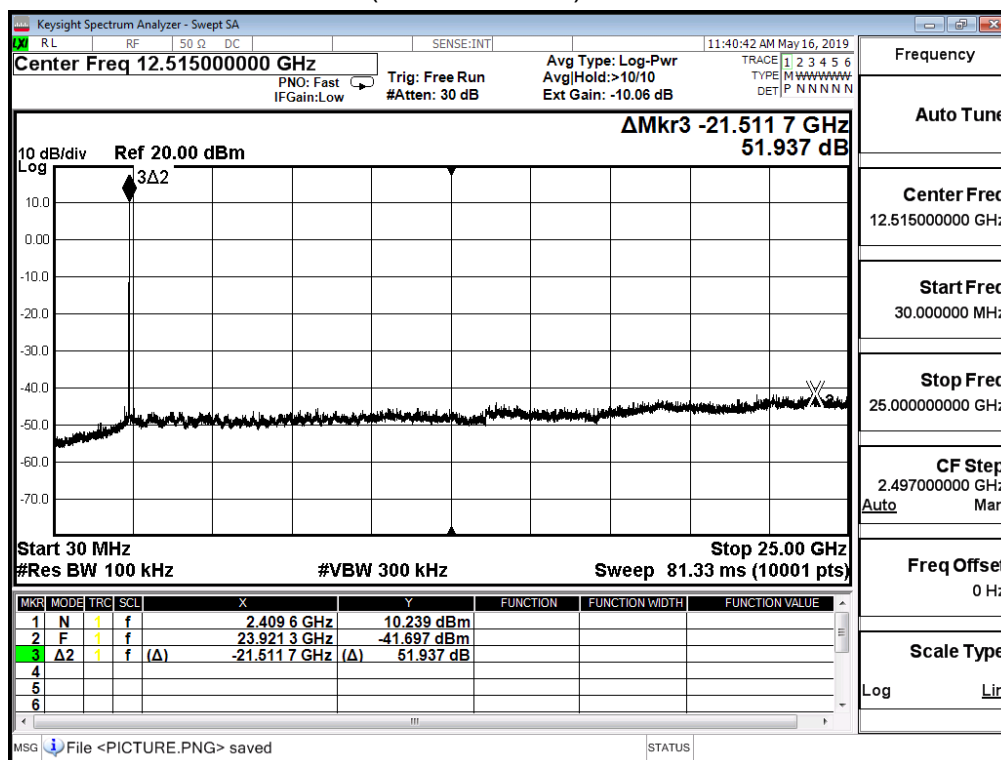


Channel 9 (2452MHz)

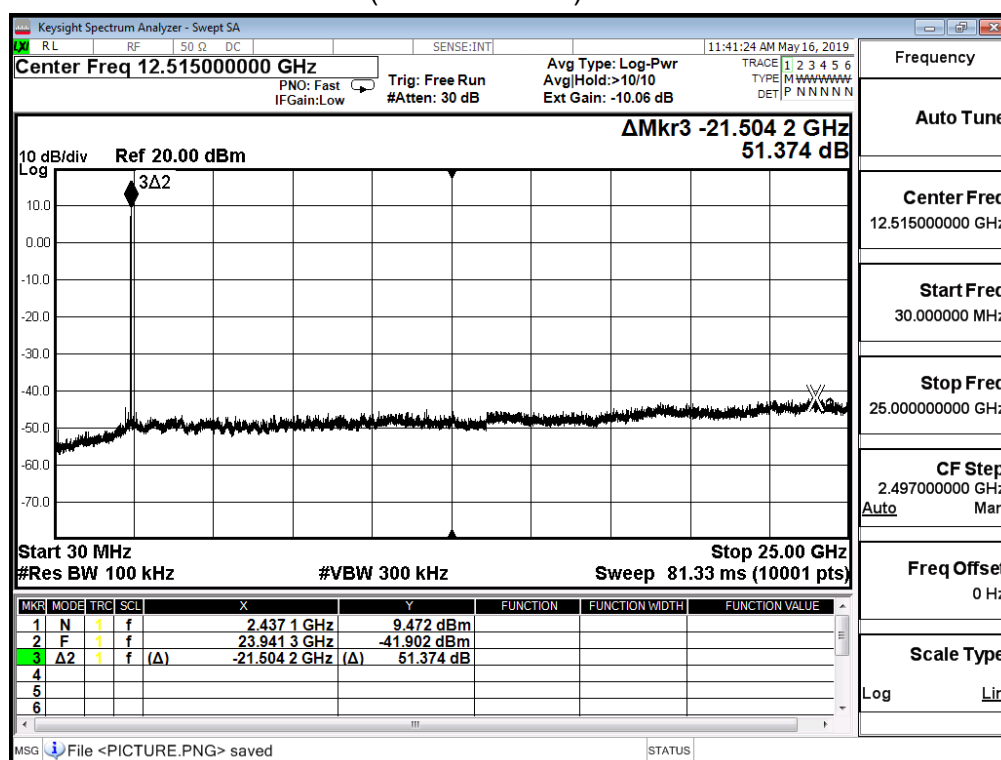


Product	N300 Wireless LAN USB Adapter		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit Mode_SISO		
Date of Test	2019/05/16~2019/9/12	Test Site	SR10-H

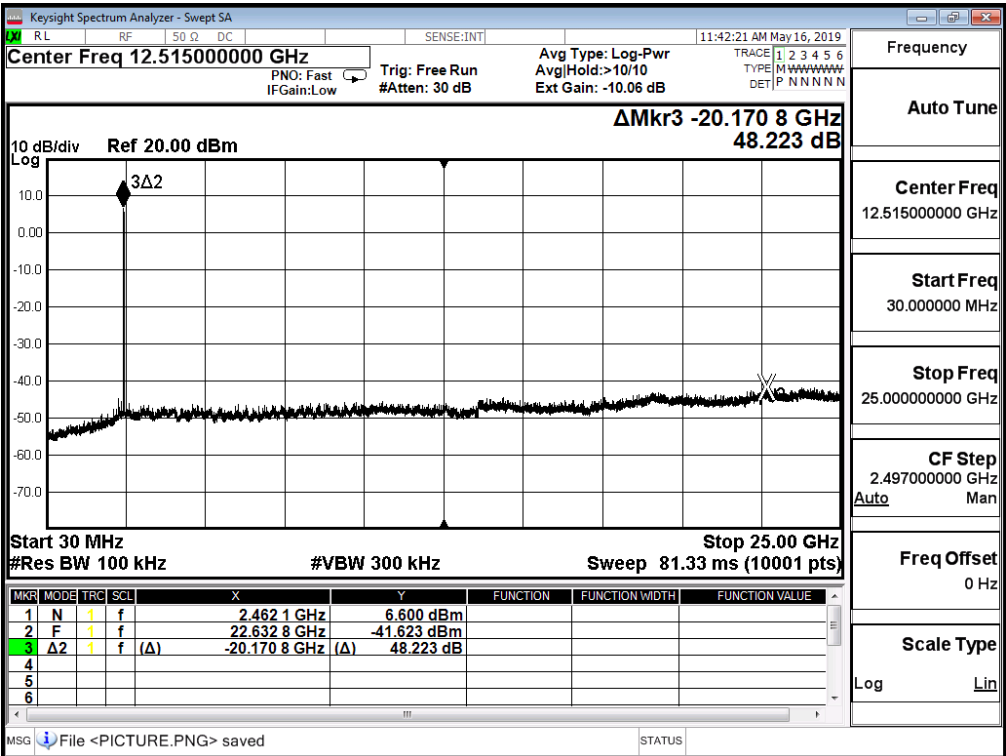
2412MHz (30MHz-25GHz)-802.11b-ANT 0



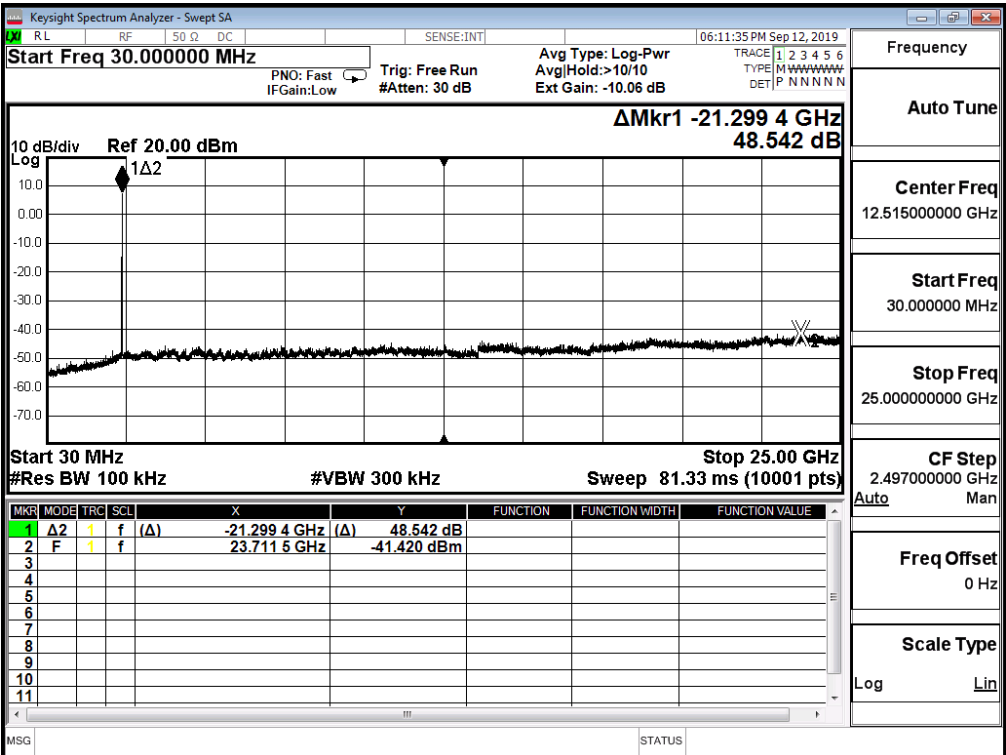
2437MHz (30MHz-25GHz)-802.11b-ANT 0



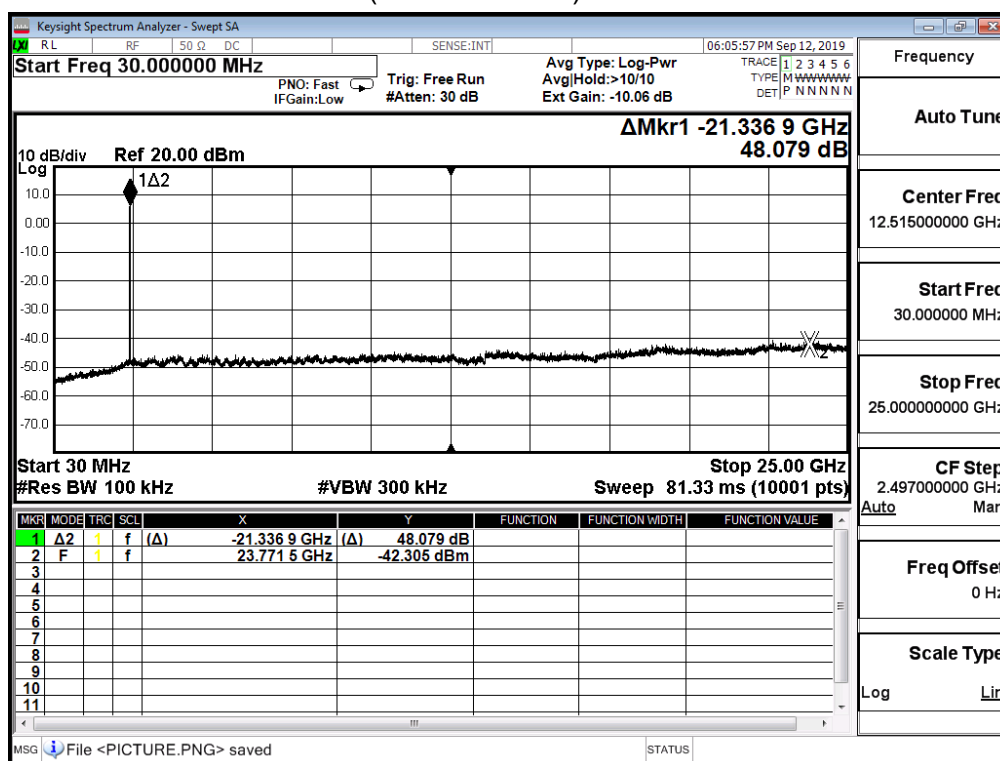
2462MHz (30MHz-25GHz)-802.11b-ANT 0



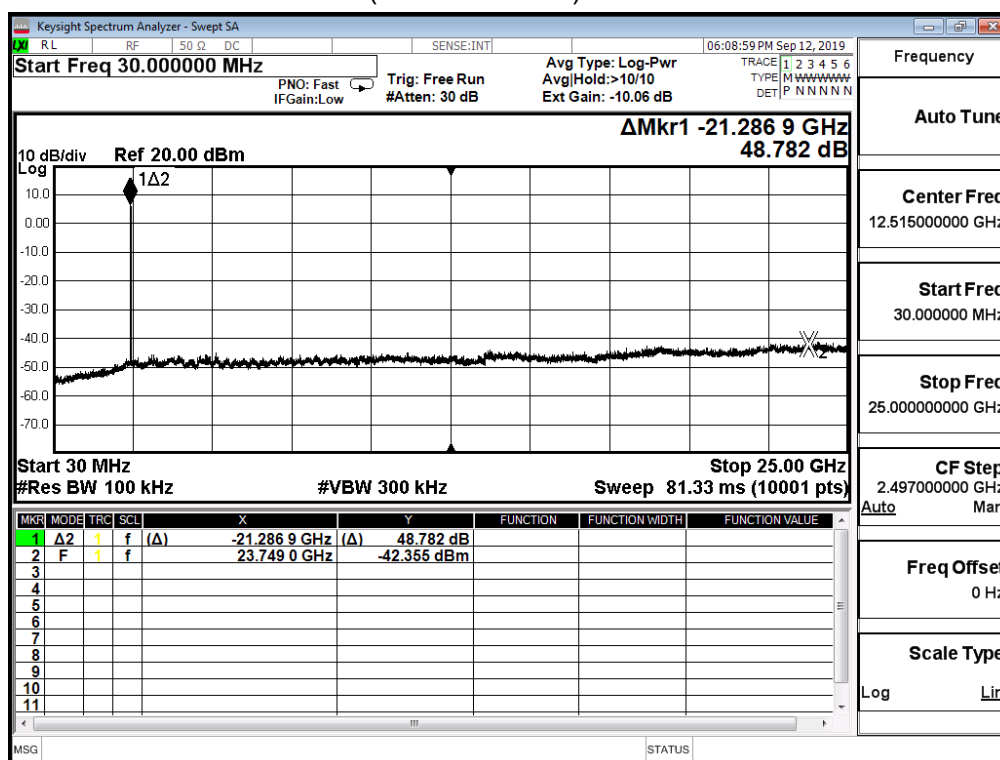
2412MHz (30MHz-25GHz)-802.11b-ANT 1



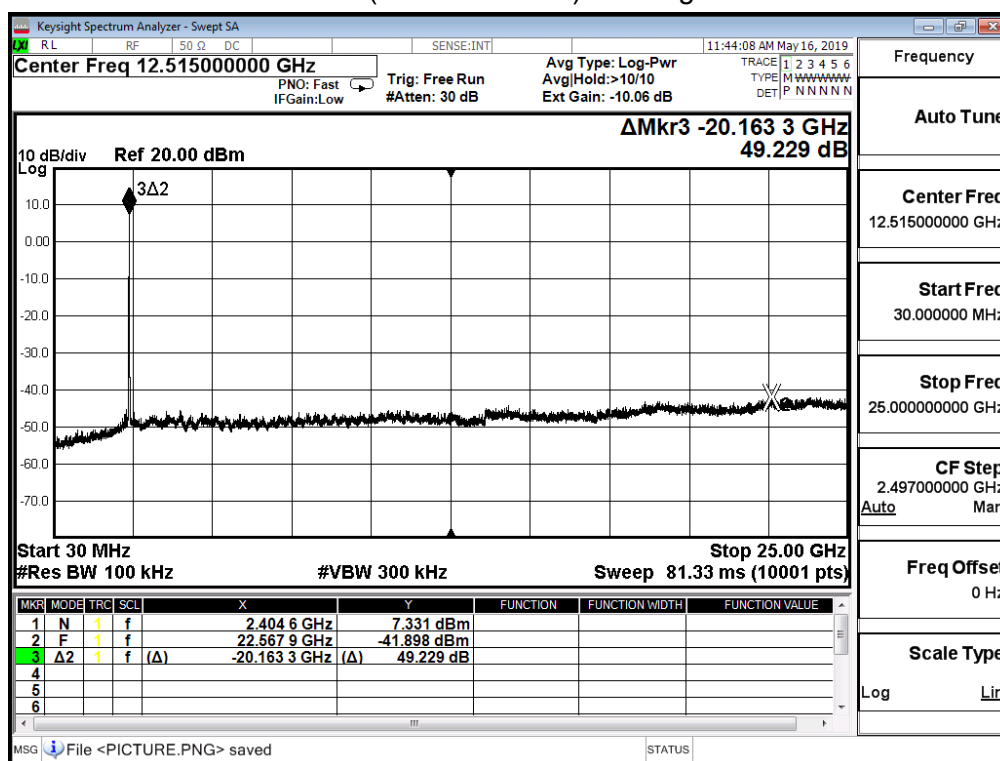
2437MHz (30MHz-25GHz)-802.11b-ANT 1



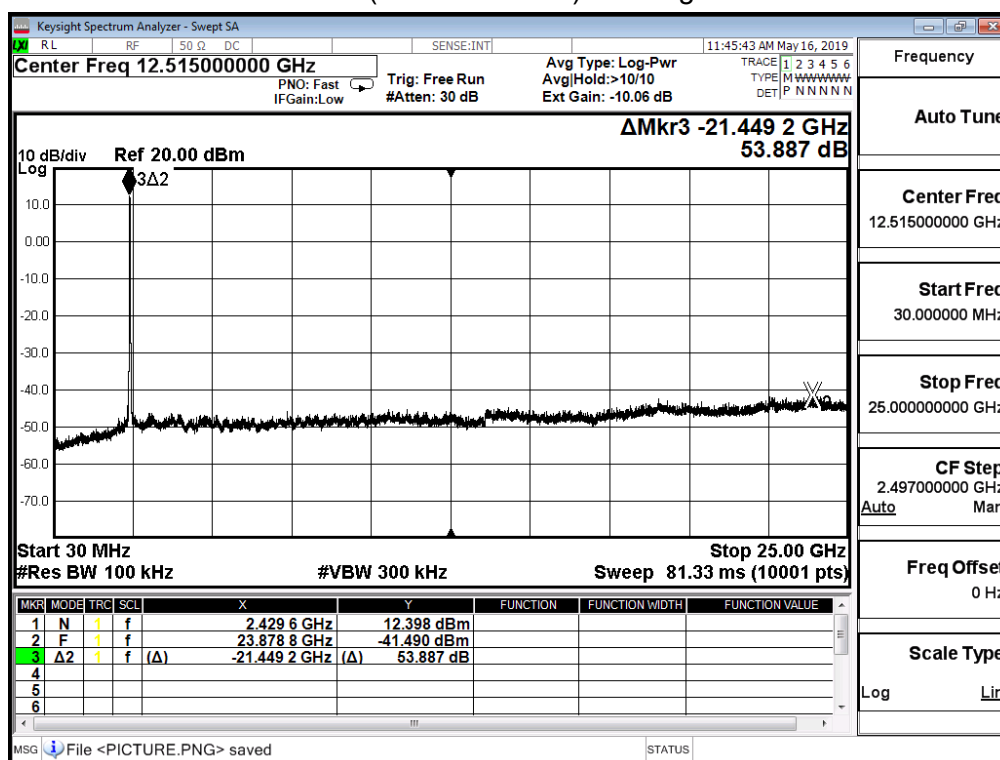
2462MHz (30MHz-25GHz)-802.11b-ANT 1



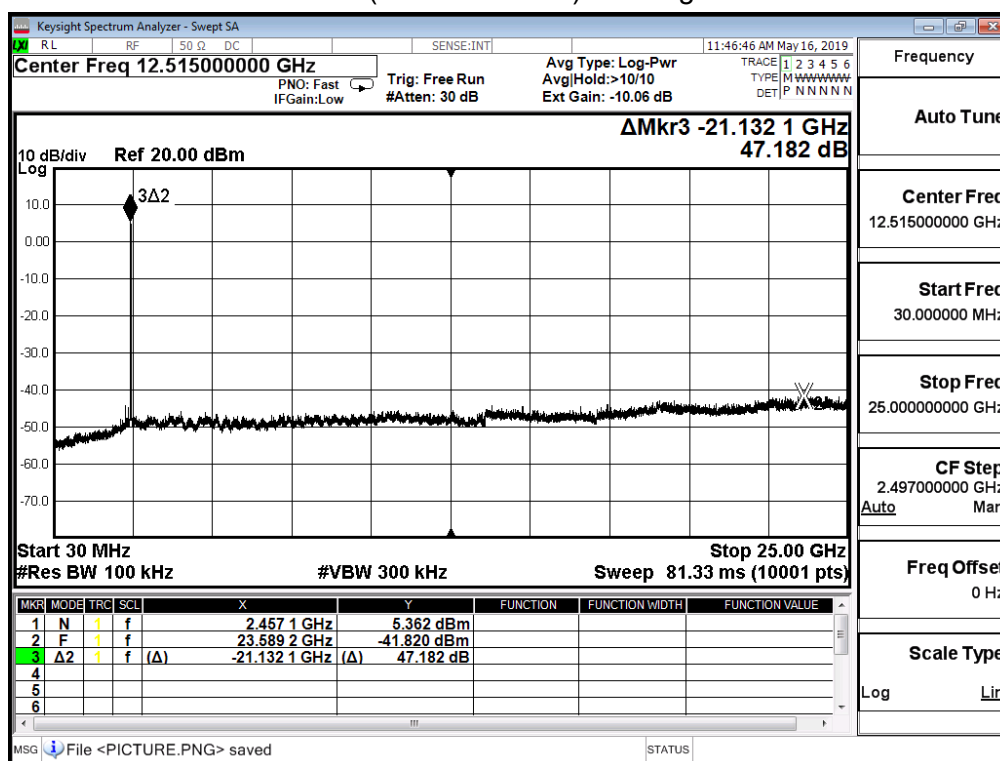
2412MHz (30MHz-25GHz)-802.11g-ANT 0



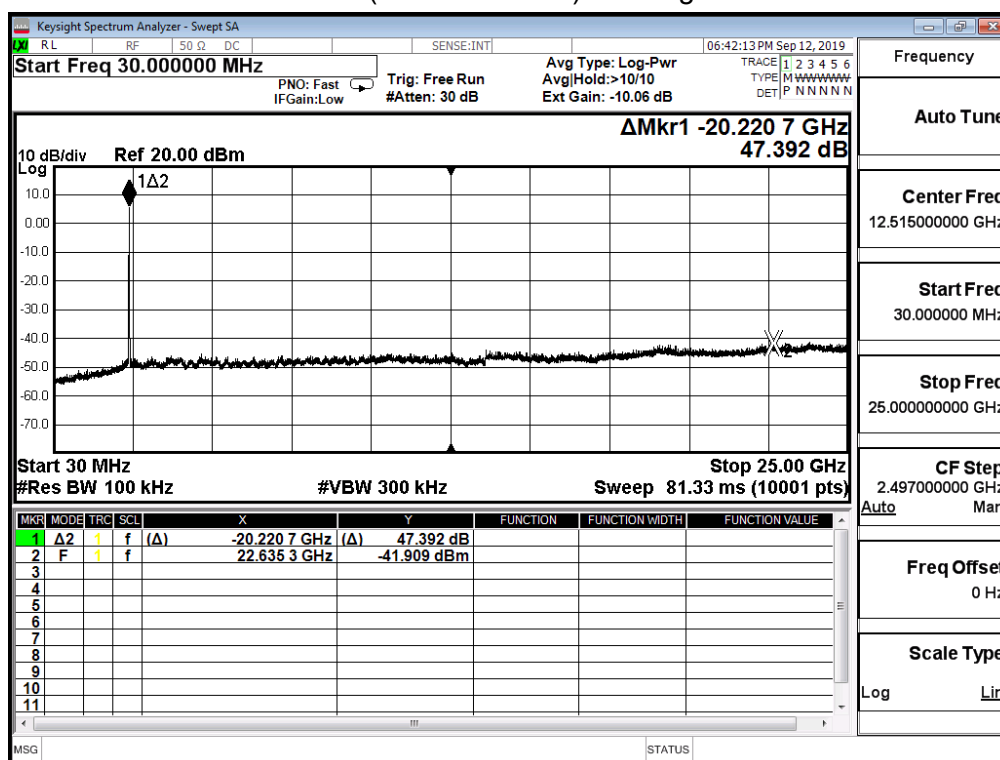
2437MHz (30MHz-25GHz)-802.11g-ANT 0



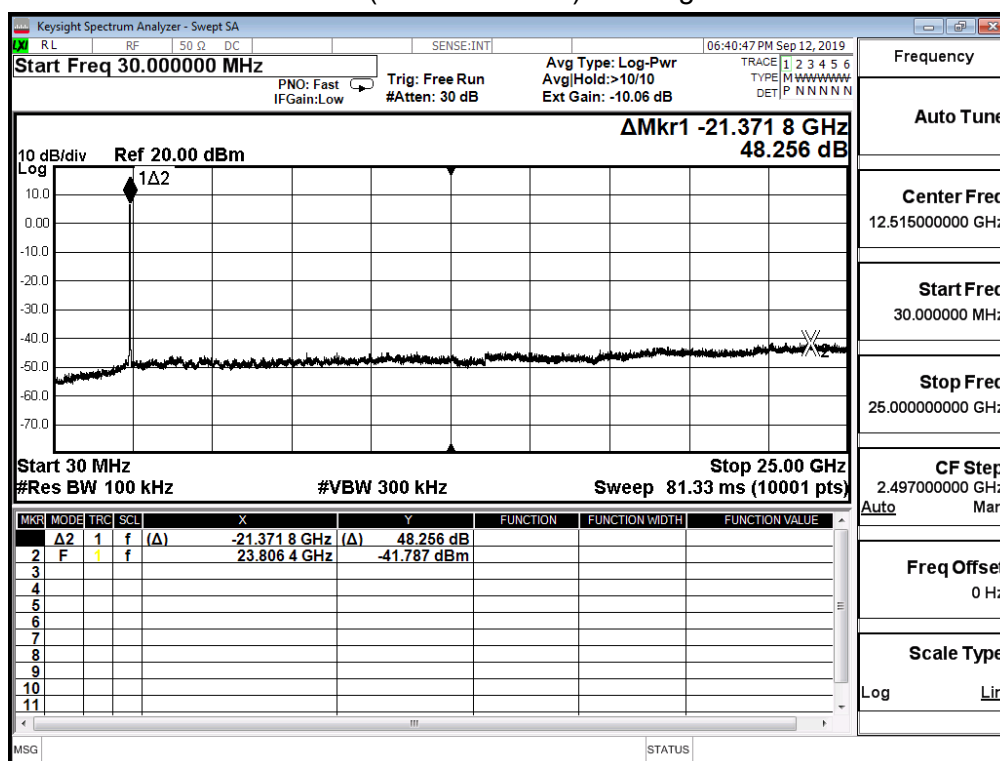
2462MHz (30MHz-25GHz)-802.11g-ANT 0



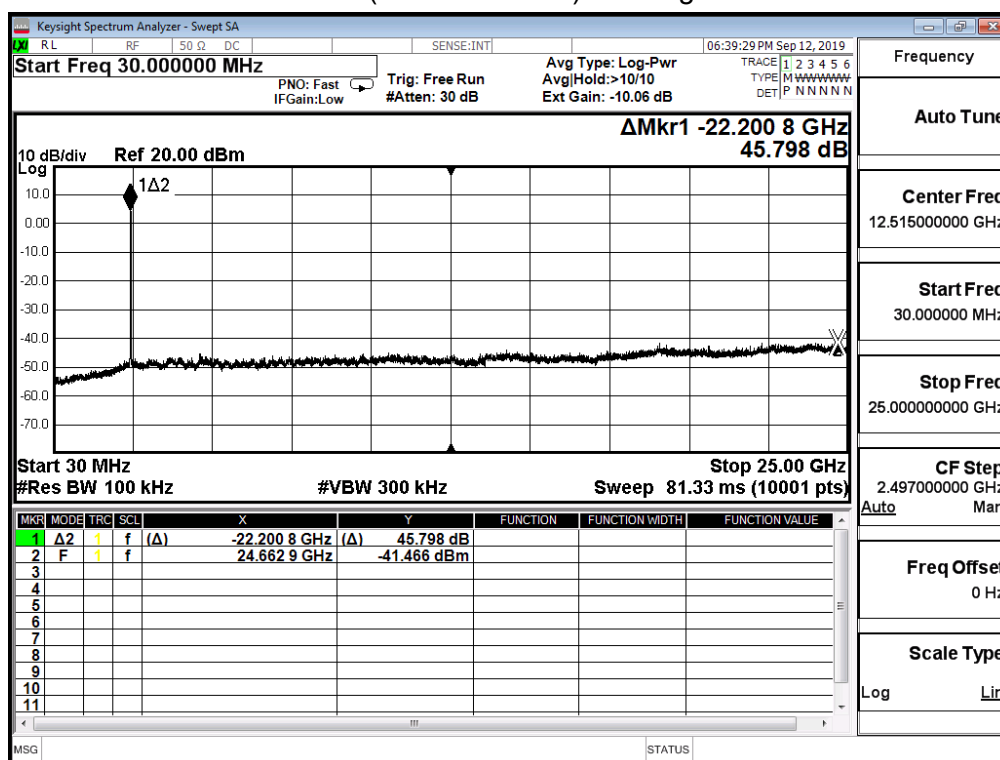
2412MHz (30MHz-25GHz)-802.11g-ANT 1



2437MHz (30MHz-25GHz)-802.11g-ANT 1

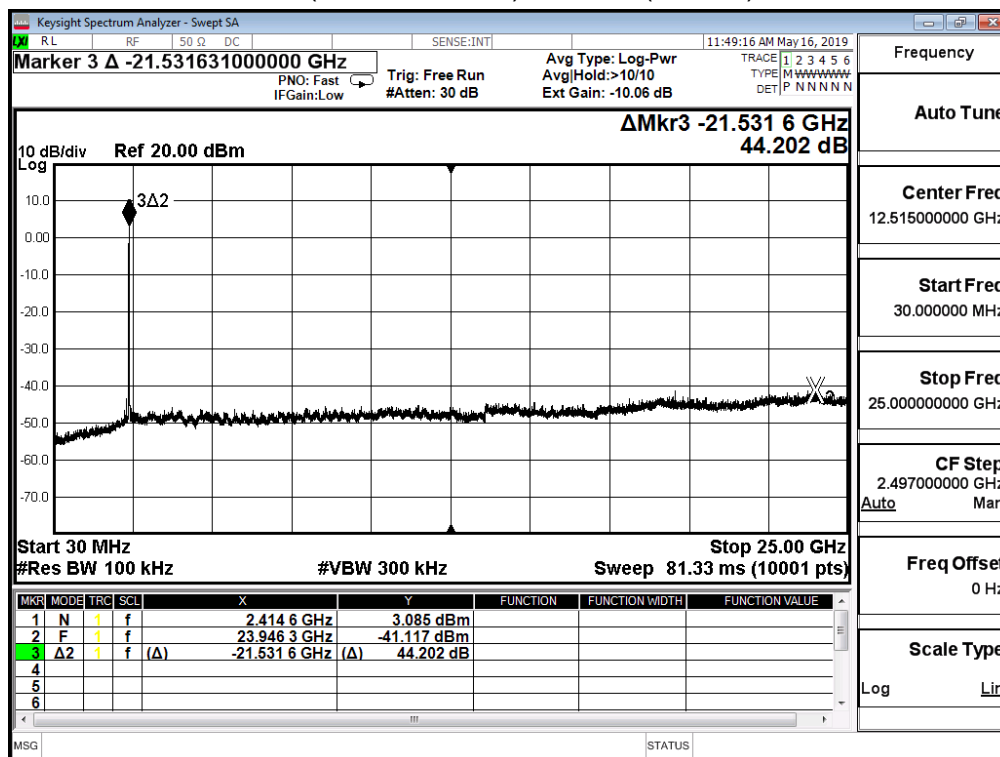


2462MHz (30MHz-25GHz)-802.11g-ANT 1

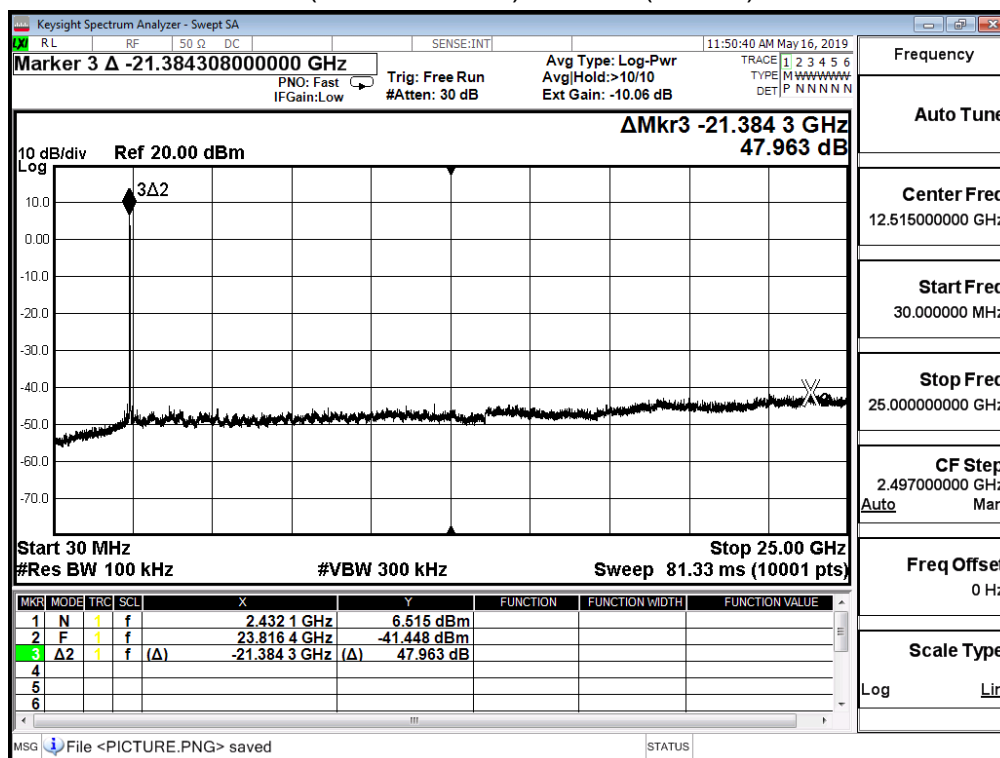


Product	N300 Wireless LAN USB Adapter		
Test Item	RF antenna conducted test		
Test Mode	Mode 2: Transmit Mode_MIMO		
Date of Test	2019/05/16	Test Site	SR10-H

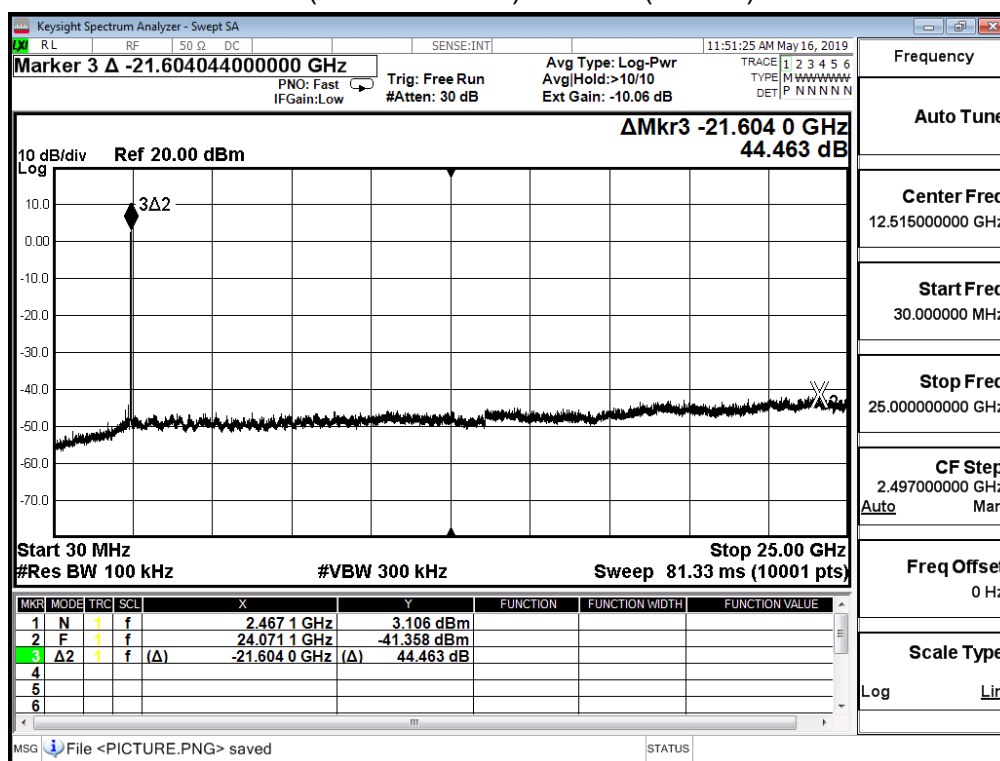
2412MHz (30MHz-25GHz)-802.11n (20MHz)-ANT 0



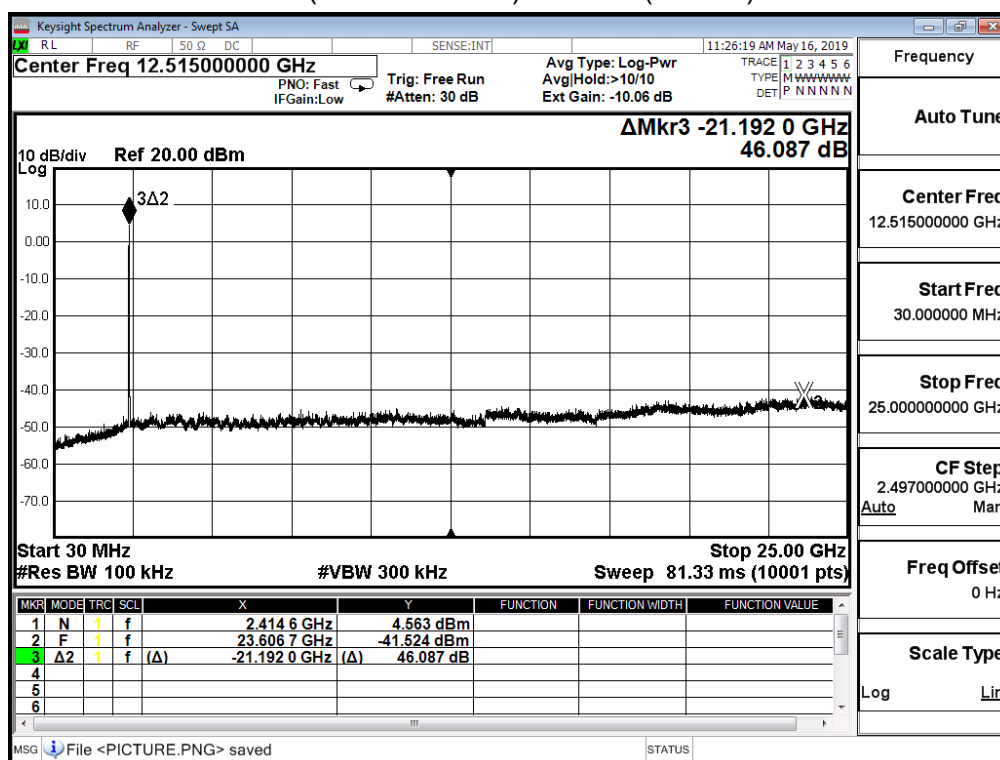
2437MHz (30MHz-25GHz)-802.11n (20MHz)-ANT 0



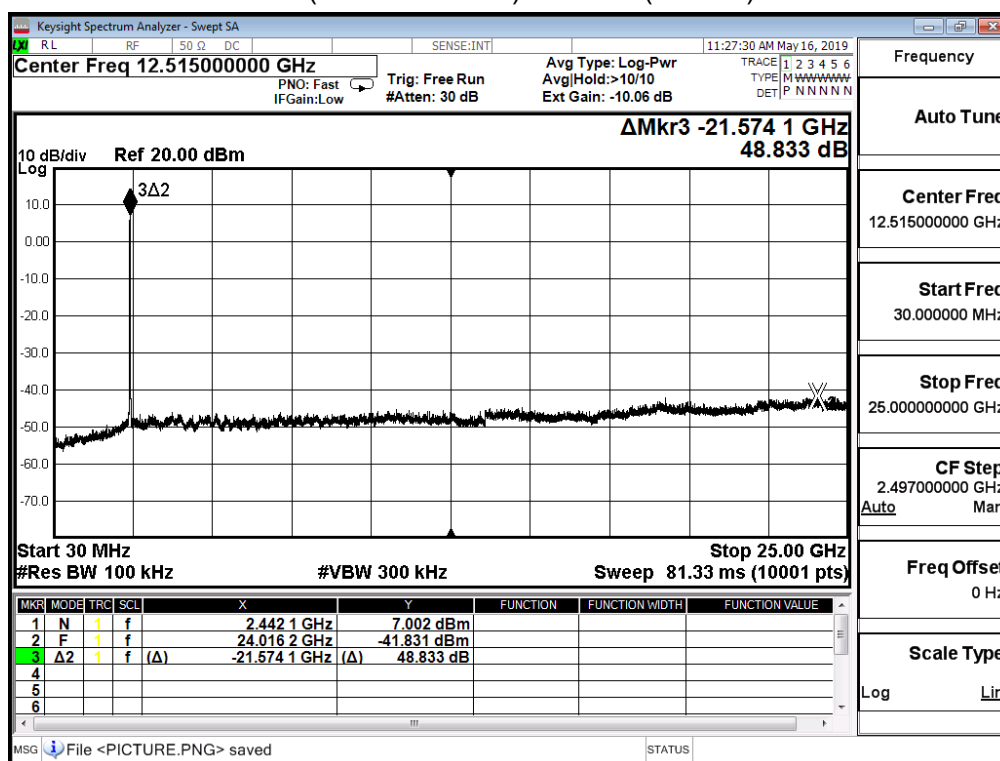
2462MHz (30MHz-25GHz)-802.11n (20MHz)-ANT 0



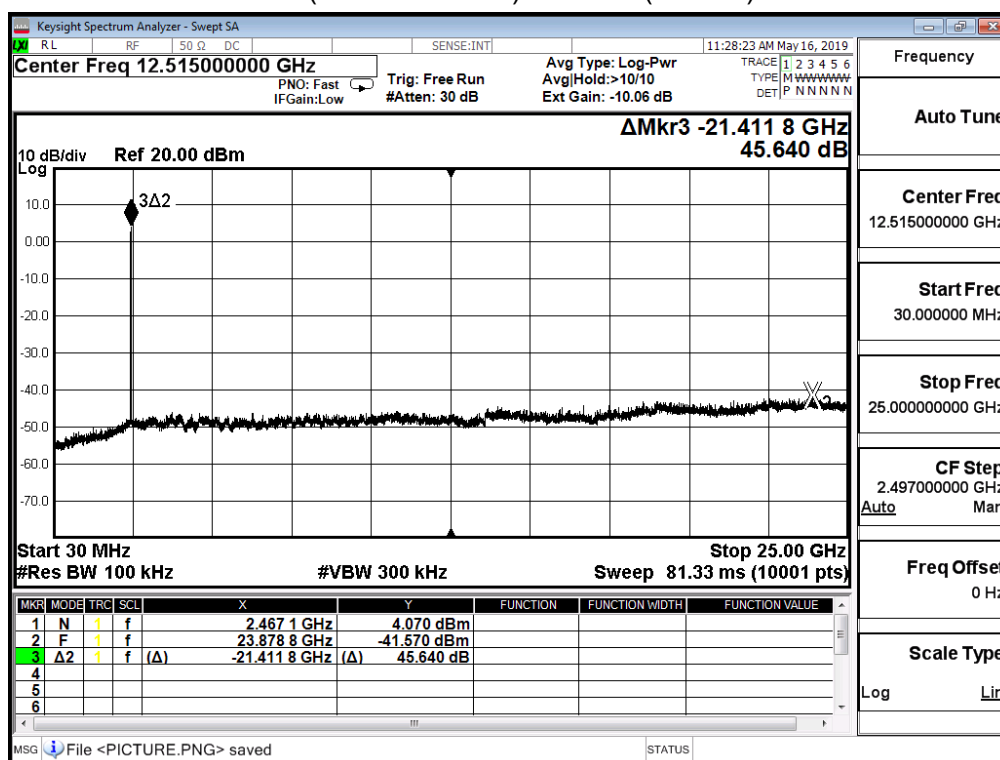
2412MHz (30MHz-25GHz)-802.11n (20MHz)-ANT 1



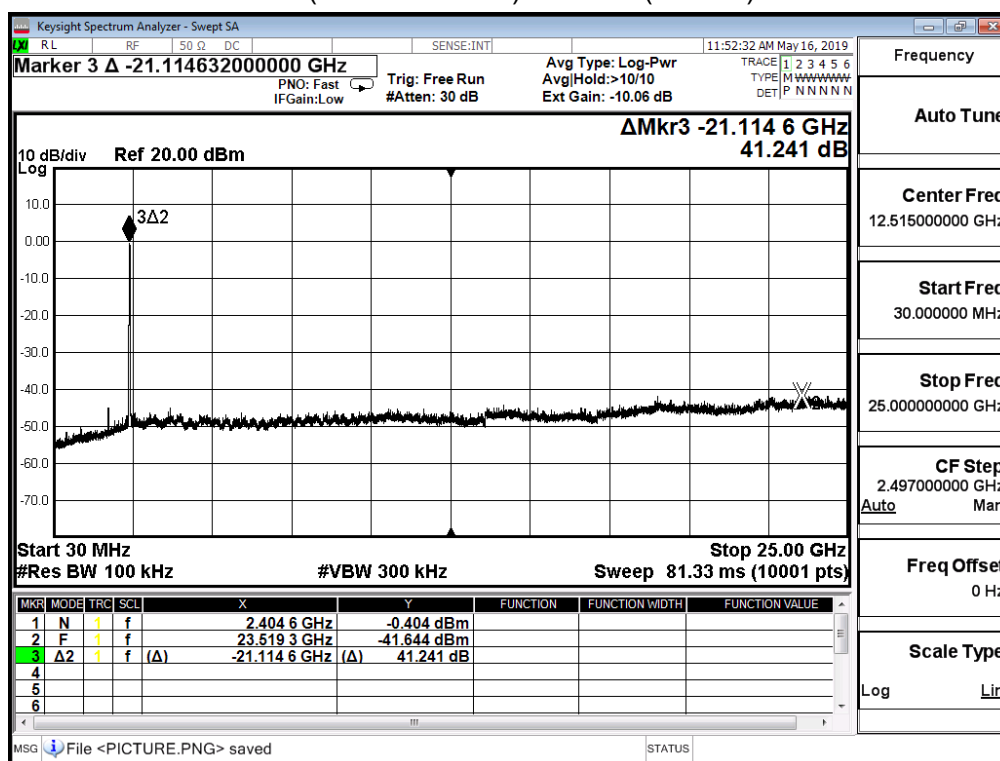
2437MHz (30MHz-25GHz)-802.11n (20MHz)-ANT 1



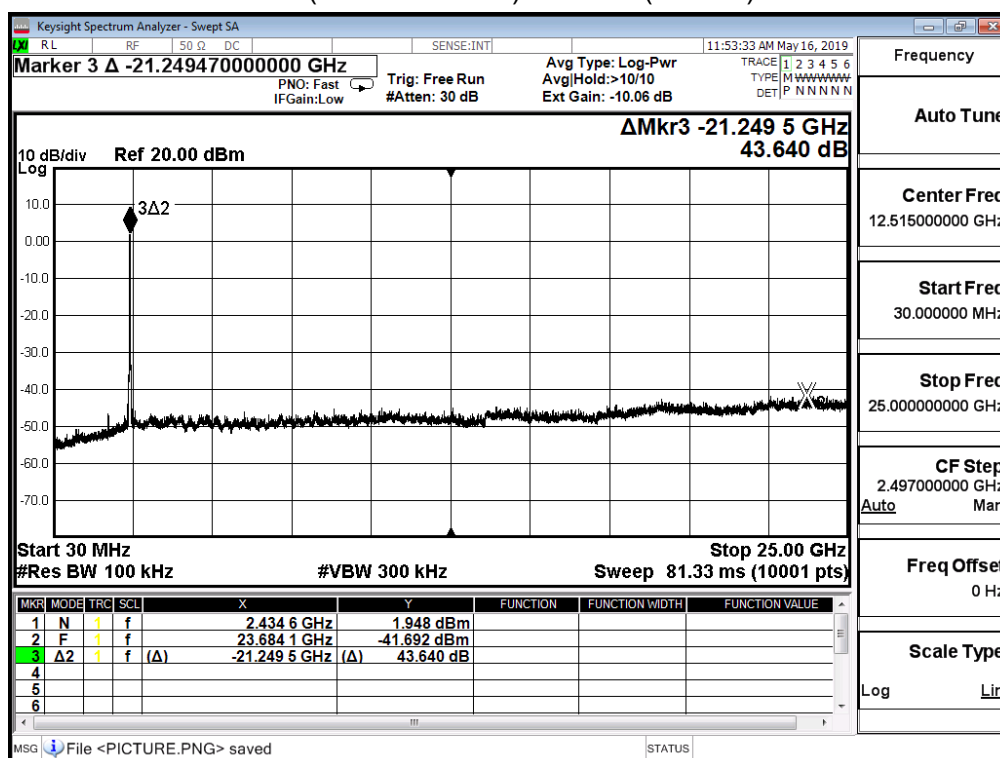
2462MHz (30MHz-25GHz)-802.11n (20MHz)-ANT 1



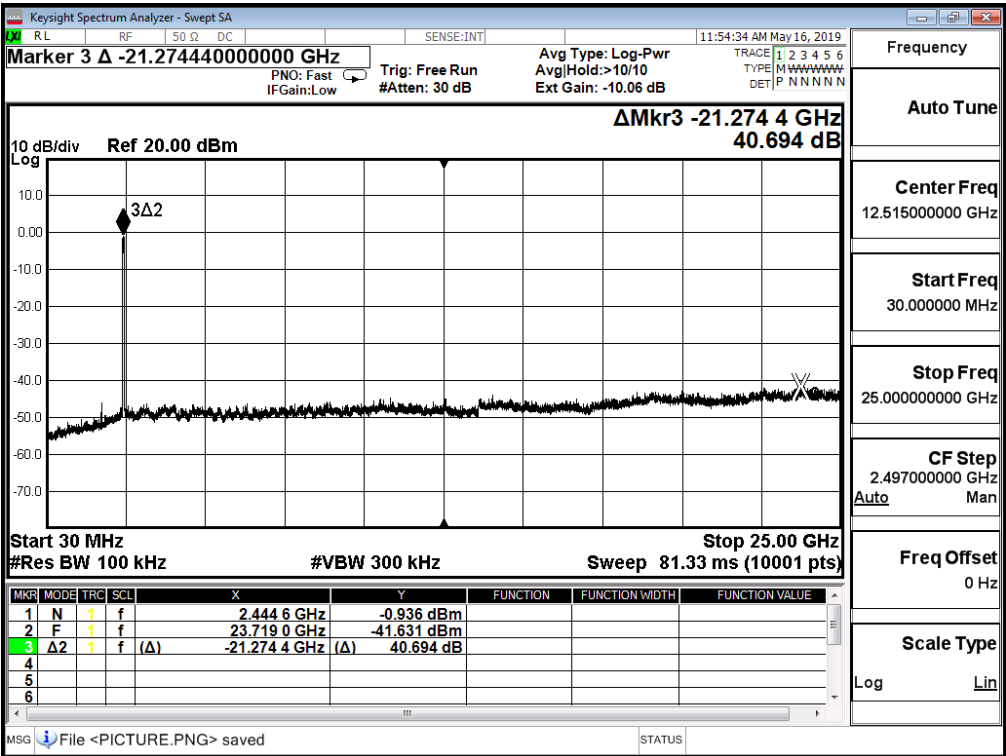
2422MHz (30MHz-25GHz)-802.11n (40MHz)-ANT 0



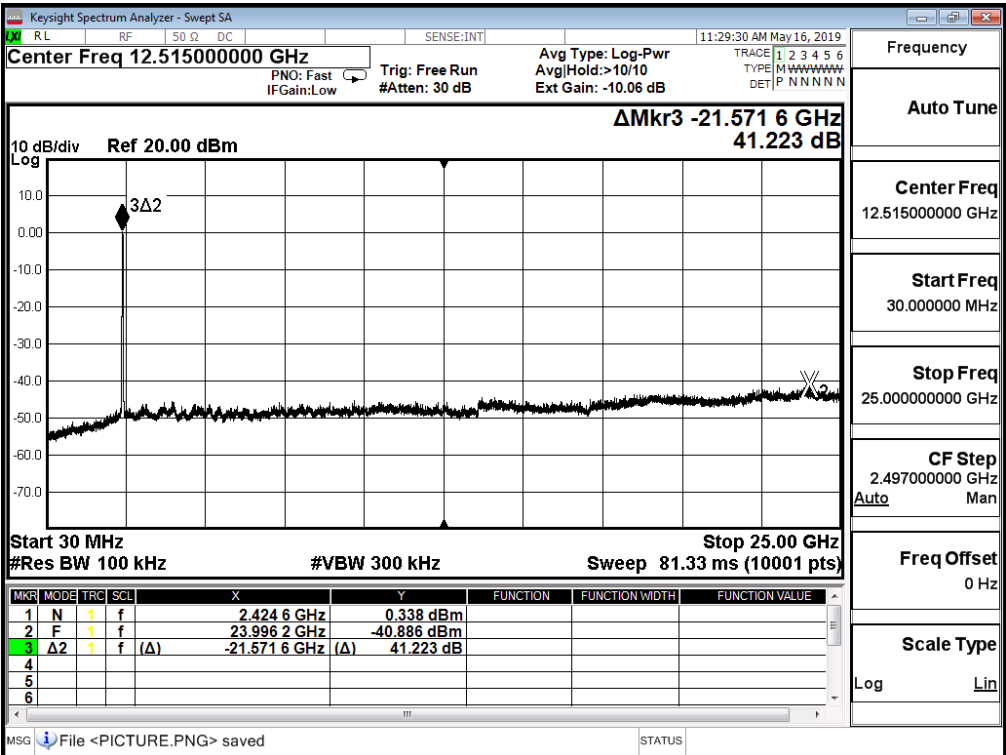
2437MHz (30MHz-25GHz)-802.11n (40MHz)-ANT 0



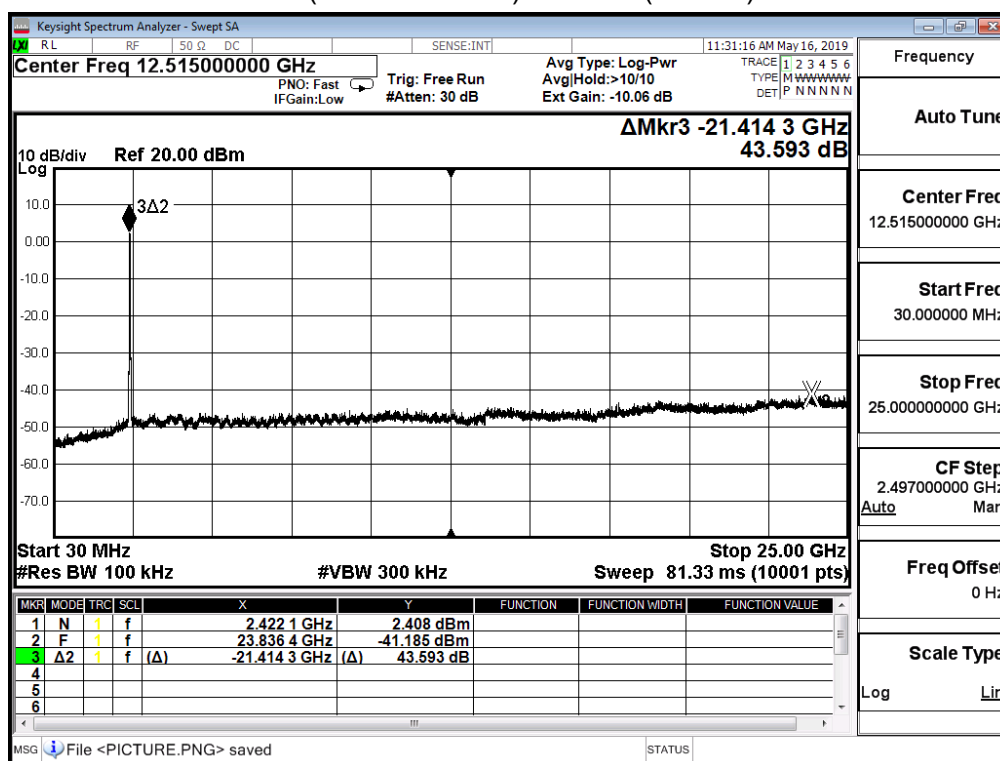
2452MHz (30MHz-25GHz)-802.11n (40MHz)-ANT 0



2422MHz (30MHz-25GHz)-802.11n (40MHz)-ANT 1



2437MHz (30MHz-25GHz)-802.11n (40MHz)-ANT 1



2452MHz (30MHz-25GHz)-802.11n (40MHz)-ANT 1

