

FCC Test Report

Product Name : Wireless LAN Access Point
Trade Name : SILEX TECHNOLOGY
Model No. : AP-200AC
FCC ID : N6C-AP200AC

Applicant : Silex Technology, Inc.
Address : 2-3-1 Hikaridai, Seika-cho, Soraku-gun,
Kyoto 619-0237, Japan

Date of Receipt : Feb. 01, 2021
Issued Date : May 26, 2021
Report No. : 2120022R-E3032110113
Report Version : V1.0



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Test Report Certification

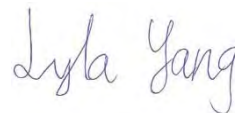
Issued Date : May 26, 2021

Report No.: 2120022R-E3032110113



Product Name : Wireless LAN Access Point
Applicant : Silex Technology, Inc.
Address : 2-3-1 Hikaridai, Seika-cho, Soraku-gun, Kyoto 619-0237,
Japan
Manufacturer : Amigo Technology Inc.
Address : No.82, Gongye 2nd Rd., Annan District, Tainan City 70955,
Taiwan (R.O.C.)
Trade Name : SILEX TECHNOLOGY
Model No. : AP-200AC
FCC ID : N6C-AP200AC
EUT Rated Voltage : AC 100-240V, 50/60Hz
Test Voltage : AC 120V/60Hz
Applicable Standard : FCC CFR Title 47 Part 15 Subpart C Section 15.247: 2019
ANSI C63.10: 2013
Laboratory Name : Hsin Chu Laboratory
Address : No.372-2, Sec. 4, Zhongxing Rd., Zhudong Township,
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TEL: +886-3-582-8001 / FAX: +886-3-582-8958
Test Result : Complied

Documented By :



(Lyla Yang / Engineering Adm. Specialist)

Tested By :



(Clemens Fang / Senior Engineer)

Approved By :



(Louis Hsu / Deputy Manager)

Revision History

Version	Description	Issued Date
V1.0	Initial issue of report	May 26, 2021

TABLE OF CONTENTS

Description	Page
1. General Information.....	6
1.1. EUT Description	6
1.2. Test Mode	8
1.3. Tested System Details	9
1.4. Configuration of tested System	10
1.5. EUT Exercise Software	12
1.6. Comments and Remarks.....	12
1.7. Test Facility.....	13
1.8. List of Test Equipment	14
1.9. Duty Cycle	17
1.10. Uncertainty	20
2. Conducted Emission	21
2.1. Test Setup	21
2.2. Limits	21
2.3. Test Procedure	22
2.4. Test Specification.....	22
2.5. Test Result.....	23
3. Maximum peak conducted output power.....	27
3.1. Test Setup	27
3.2. Test procedures	27
3.3. Limits	27
3.4. Test Specification.....	27
3.5. Test Result.....	28
4. Radiated Emission	30
4.1. Test Setup	30
4.2. Limits	30
4.3. Test Procedure	31
4.4. Test Specification.....	31
4.5. Test Result.....	32
5. RF antenna conducted test	60
5.1. Test Setup	60
5.2. Limits	60
5.3. Test Procedure	60
5.4. Test Specification.....	60
5.5. Test Result.....	61
6. Radiated Emission Band Edge.....	89
6.1. Test Setup	89
6.2. Limits	89
6.3. Test Procedure	89

6.4.	Test Specification.....	89
6.5.	Test Result.....	90
7.	DTS Bandwidth.....	138
7.1.	Test Setup	138
7.2.	Test Procedures	138
7.3.	Limits	138
7.4.	Test Specification.....	138
7.5.	Test Result.....	139
8.	Occupied Bandwidth.....	155
8.1.	Test Setup	155
8.2.	Test Procedures	155
8.3.	Limits	155
8.4.	Test Specification.....	155
8.5.	Test Result.....	156
9.	Power Density	172
9.1.	Test Setup	172
9.2.	Limits	172
9.3.	Test Procedures	172
9.4.	Test Specification.....	172
9.5.	Test Result.....	173
Attachment.....		181
	Test Setup Photograph	181

1. General Information

1.1. EUT Description

Product Name	Wireless LAN Access Point	
Trade Name	SILEX TECHNOLOGY	
Model No.	AP-200AC	
Frequency Range/ Channel Number	IEEE 802.11b/g/n (20MHz)	2412~2462MHz / 11 Channels
	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					
Ant. No.	Manufacturer	Model No.	Ant. Type	Ant. Gain (dBi)	
				2.4G	5G
Ant 0 (2.4G)	Silex Technology	ALA150-052020-02	PIFA	2.44	--
Ant 1 (2.4G)		ALA150-052020-03	PIFA	1.98	--
Ant 0 (5G)		ALX17M-092XX3-00	PIFA	--	2.86
Ant 1 (5G)		ALX17M-092XX3-01	PIFA	--	3.74

Accessories Information	
Power Adapter	Adapter Technology, ATS036T-A120 I/P: AC 100~240V, 50-60Hz, 1A MAX. O/P: 12.0V $\overline{=}$ 3.0A 36.0W Cable Out: Non-shielded, 1.5m
Power Cord	Non-shielded, 1m

Note:

1. This device including 2.4GHz b/g/n and 5GHz a/n/ac transmitting and receiving functions.
2. The EUT description is from the customer declaration.

IEEE 802.11b/g/n(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		

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: Non-BF Transmit_ Power by Adapter Mode 2: Non- BF Transmit_ Power by POE Mode 3: BF Transmit_ Power by Adapter
-----------	--

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

Note 1: Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).

Note 2: Determining compliance shall be based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

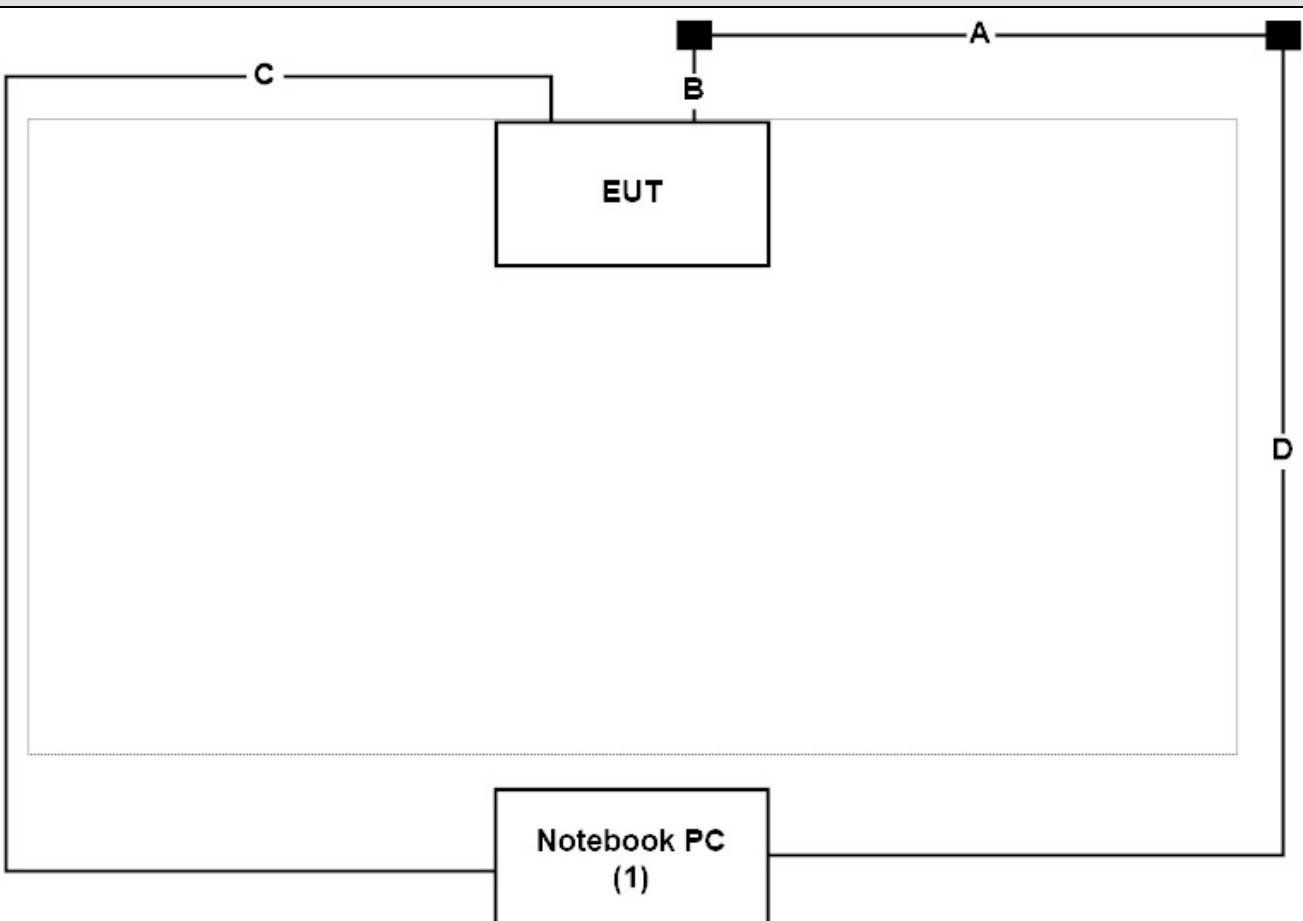
1.3. Tested System Details

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

Test Mode		Mode 1: Non-BF Transmit_ Power by Adapter Mode 3: BF Transmit_ Power by Adapter				
Product		Manufacturer	Model No.	Serial No.	FCC ID	Power Cord
1	Notebook PC	Lenovo	80XL	PF0SXXY1	DoC	Non-Shielded, 1.8m

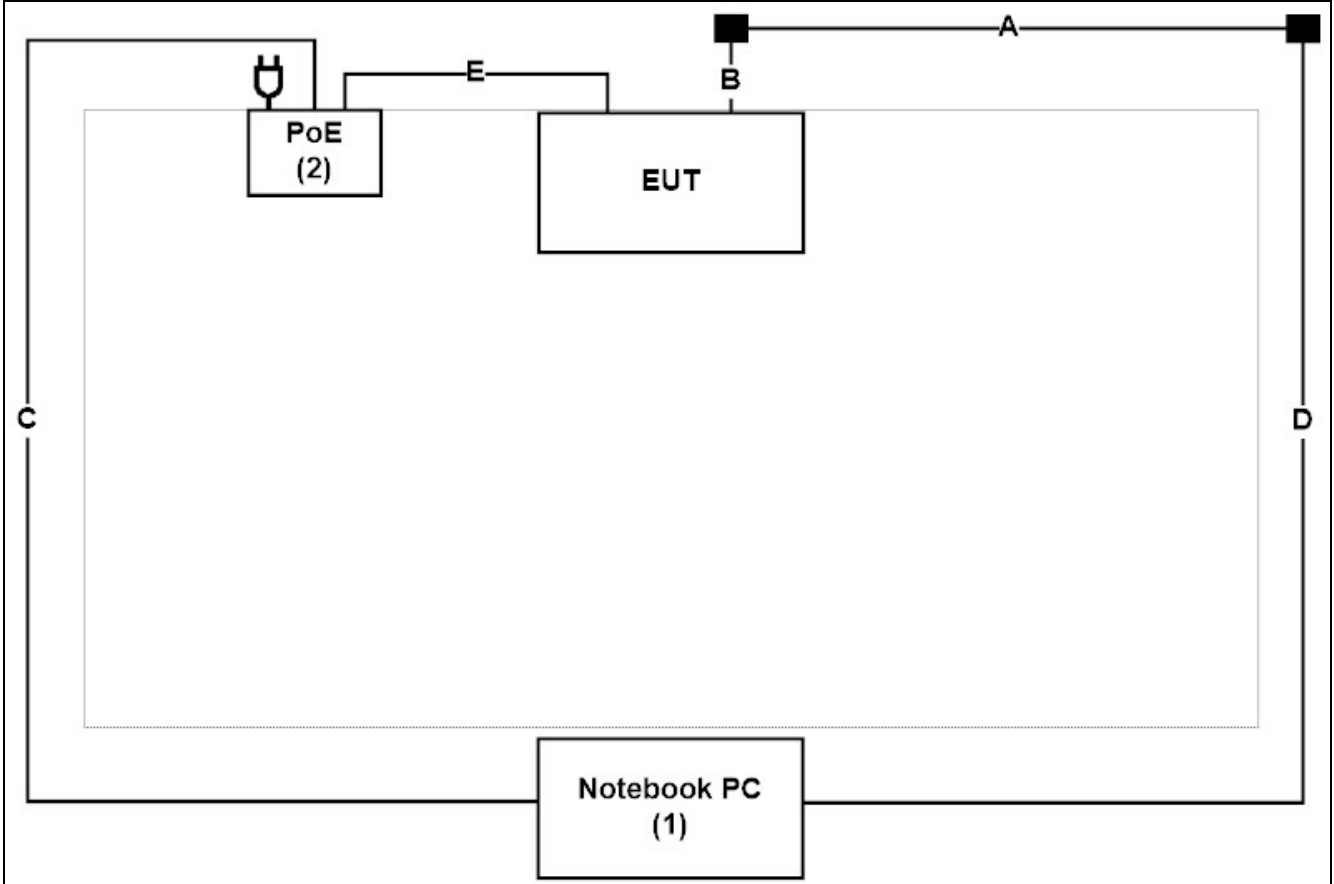
Test Mode		Mode 2: Non- BF Transmit_ Power by POE				
Product		Manufacturer	Model No.	Serial No.	FCC ID	Power Cord
1	Notebook PC	Lenovo	80XL	PF0SXXY1	DoC	Non-Shielded, 1.8m
2	PoE	Micro Research	MPA50AT	N/A	DoC	Non-Shielded, 0.5m

1.4. Configuration of tested System

Test Mode		Mode 1: Non-BF Transmit_ Power by Adapter Mode 3: BF Transmit_ Power by Adapter	
Connection Diagram			
 <p>The diagram shows a central box labeled 'EUT' and a box below it labeled 'Notebook PC (1)'. Cable 'A' connects the top of the EUT box to a point on the right side of the diagram. Cable 'B' connects the top of the EUT box to the top of the Notebook PC box. Cable 'C' connects the left side of the EUT box to the left side of the Notebook PC box. Cable 'D' connects the right side of the Notebook PC box to the right side of the diagram, where it meets cable 'A'.</p>			
Signal Cable Type		Signal cable Description	
A	USB to RS232 Cable	Shielded, 1.6m	
B	RS232 to RJ45 Cable	Non-Shielded, 1.5m	
C	Ethernet Cable	Non-Shielded, 1.5m	
D	USB Cable	Shielded, 10m	

Test Mode	Mode 2: Non- BF Transmit_ Power by POE
-----------	--

Connection Diagram



Signal Cable Type		Signal cable Description
A	USB to RS232 Cable	Shielded, 1.6m
B	RS232 to RJ45 Cable	Non-Shielded, 1.5m
C	Ethernet Cable	Non-Shielded, 1.5m
D	USB Cable	Shielded, 10m
E	Ethernet Cable	Non-Shielded, 2m

1.5. EUT Exercise Software

1	Set the EUT as shown.
2	Open the control software QRCT.
3	Configure test mode, test channel and data rate.
4	Let the EUT start transmitting and receiving signal continuously.
5	Verify that device is working properly.

1.6. Comments and Remarks

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

1.7. Test Facility

Ambient conditions in the laboratory:

Items	Test Item	Required	Test Site
Temperature (°C)	FCC PART 15 C 15.207	15 - 35	2
Humidity (%RH)	Conducted Emission	25 - 75	
Temperature (°C)	FCC PART 15 C 15.247	15 - 35	1
Humidity (%RH)	Maximum peak conducted output power	25 - 75	
Temperature (°C)	FCC PART 15 C 15.247	15 - 35	1
Humidity (%RH)	Radiated Emission	25 - 75	
Temperature (°C)	FCC PART 15 C 15.247	15 - 35	1
Humidity (%RH)	RF antenna conducted test	25 - 75	
Temperature (°C)	FCC PART 15 C 15.247	15 - 35	1
Humidity (%RH)	Radiated Emission Band Edge	25 - 75	
Temperature (°C)	FCC PART 15 C 15.247	15 - 35	1
Humidity (%RH)	Occupied Bandwidth & DTS Bandwidth	25 - 75	
Temperature (°C)	FCC PART 15 C 15.247	15 - 35	1
Humidity (%RH)	Power Density	25 - 75	

Note: Test site information refers to Laboratory Information.

Laboratory Information

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

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

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

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Address	1. No.372, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County 31061, Taiwan, R.O.C. 2. No.372-2, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County 31061, Taiwan, R.O.C.
Phone number	1. +886-3-582-8001 2. +886-3-582-8001
Fax number	1. +886-3-582-8958 2. +886-3-582-8958
Email address	info.tw@dekra.com
Website	http://www.dekra.com.tw

1.8. List of Test Equipment

Conducted Emission / SR2-H

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

Maximum peak conducted output power / SR12-H

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
High Speed Peak Power Meter Dual Input	Anritsu	ML2496A	1602004	2020/11/30	2021/11/29
Pulse Power Sensor	Anritsu	MA2411B	1531043	2020/11/30	2021/11/29
Pulse Power Sensor	Anritsu	MA2411B	1531044	2020/11/30	2021/11/29
Power Meter	Keysight	8990B	MY51000248	2020/05/20	2021/05/19
Power Sensor	Keysight	N1923A	MY57240005	2020/05/20	2021/05/19

Radiated Emission / CB2-H

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Signal Analyzer	R&S	FSVA40	101455	2020/10/12	2021/10/11
Signal & Spectrum Analyzer	R&S	FSV40	101049	2021/03/31	2022/03/30
Signal Analyzer	R&S	FSVA40	101435	2020/06/24	2021/06/23
EXA Signal Analyzer	Keysight	N9010A	MY51440132	2021/01/25	2022/01/24
Bilog Antenna	Teseq	CBL6112D	23191	2021/02/26	2022/02/25
Horn Antenna	Schwarzbeck	BBHA 9120D	639	2020/06/04	2021/06/03
Horn Antenna	Schwarzbeck	BBHA 9170	202	2020/12/16	2021/12/15
Pre-Amplifier	EMCI	EMC01820I	980365	2020/06/19	2021/06/18
Pre-Amplifier	EMEC	EM01G18GA	060741	2020/07/24	2021/07/23
Pre-Amplifier	DEKRA	AP-400C	201801231	2020/11/16	2021/11/15
Band Reject Filter	Micro-Tronics	BRM50702	G258	2020/12/16	2021/12/15
Wideband Radio Communication Tester	R&S	CMW500	106071	2021/01/27	2022/01/26
Wireless Conn. Tseter	R&S	CMW500	157118	2020/07/23	2021/07/22
Coaxial Cable(13m)	Huber+Suhner	SF104	CB2-H	2020/07/25	2021/07/24
DEKRA Testing System	DEKRA	Version 2.0	CB2-H	NA	NA

RF antenna conducted test / SR12-H

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Spectrum Analyzer	Keysight	N9030B	MY57140404	2020/06/03	2021/06/02
Spectrum Analyzer	Keysight	N9010B	MY57110159	2021/03/29	2022/03/28
Spectrum Analyzer	Agilent	N9010A	US47140172	2020/06/18	2021/06/17
Signal & Spectrum Analyzer	R&S	FSV40	101049	2021/03/31	2022/03/30

Radiated Emission Band Edge / CB2-H

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Signal Analyzer	R&S	FSVA40	101455	2020/10/12	2021/10/11
Signal & Spectrum Analyzer	R&S	FSV40	101049	2021/03/31	2022/03/30
Signal Analyzer	R&S	FSVA40	101435	2020/06/24	2021/06/23
EXA Signal Analyzer	Keysight	N9010A	MY51440132	2021/01/25	2022/01/24
Bilog Antenna	Teseq	CBL6112D	23191	2021/02/26	2022/02/25
Horn Antenna	Schwarzbeck	BBHA 9120D	639	2020/06/04	2021/06/03
Horn Antenna	Schwarzbeck	BBHA 9170	202	2020/12/16	2021/12/15
Pre-Amplifier	EMCI	EMC01820I	980365	2020/06/19	2021/06/18
Pre-Amplifier	EMEC	EM01G18GA	060741	2020/07/24	2021/07/23
Pre-Amplifier	DEKRA	AP-400C	201801231	2020/11/16	2021/11/15
Band Reject Filter	Micro-Tronics	BRM50702	G258	2020/12/16	2021/12/15
Wideband Radio Communication Tester	R&S	CMW500	106071	2021/01/27	2022/01/26
Wireless Conn. Tseter	R&S	CMW500	157118	2020/07/23	2021/07/22
Coaxial Cable(13m)	Huber+Suhner	SF104	CB2-H	2020/07/25	2021/07/24
DEKRA Testing System	DEKRA	Version 2.0	CB2-H	NA	NA

DTS Bandwidth / SR12-H

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Spectrum Analyzer	Keysight	N9030B	MY57140404	2020/06/03	2021/06/02
Spectrum Analyzer	Keysight	N9010B	MY57110159	2021/03/29	2022/03/28
Spectrum Analyzer	Agilent	N9010A	US47140172	2020/06/18	2021/06/17
Signal & Spectrum Analyzer	R&S	FSV40	101049	2021/03/31	2022/03/30

Occupied Bandwidth / SR12-H

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Spectrum Analyzer	Keysight	N9030B	MY57140404	2020/06/03	2021/06/02
Spectrum Analyzer	Keysight	N9010B	MY57110159	2021/03/29	2022/03/28
Spectrum Analyzer	Agilent	N9010A	US47140172	2020/06/18	2021/06/17
Signal & Spectrum Analyzer	R&S	FSV40	101049	2021/03/31	2022/03/30

Power Density / SR12-H

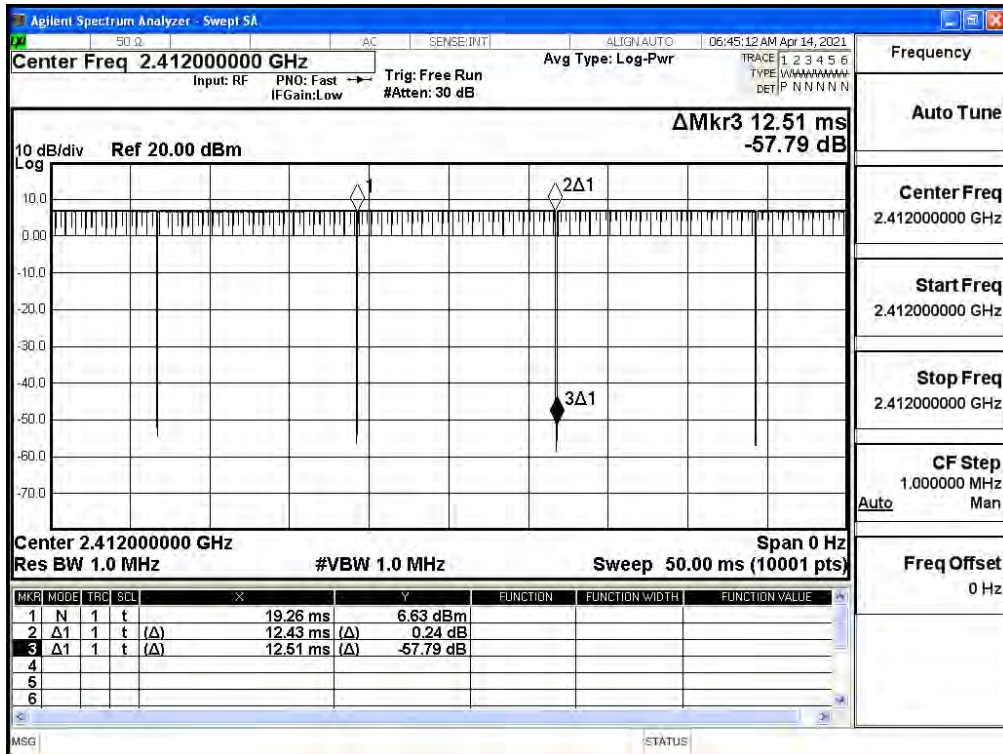
Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Spectrum Analyzer	Keysight	N9030B	MY57140404	2020/06/03	2021/06/02
Spectrum Analyzer	Keysight	N9010B	MY57110159	2021/03/29	2022/03/28
Spectrum Analyzer	Agilent	N9010A	US47140172	2020/06/18	2021/06/17
Signal & Spectrum Analyzer	R&S	FSV40	101049	2021/03/31	2022/03/30

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

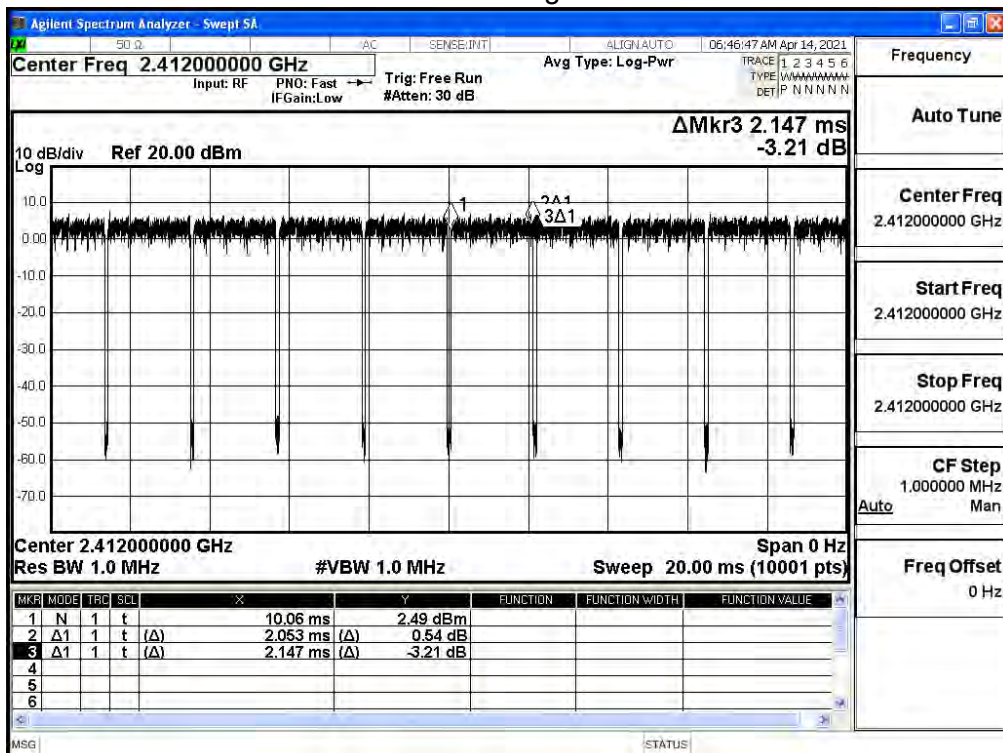
1.9. Duty Cycle

Mode	On Time(ms)	On+Off Time(ms)	Duty Cycle (%)	Duty Factor(dB) linear voltage	Duty Factor(dB) Power	1/T Minimum VBW (kHz)
11b	12.430	12.510	99.36%	0.055724	0.03	0.010
11g	2.053	2.147	95.62%	0.388862	0.19	0.487
HT20	4.989	5.081	98.19%	0.158714	0.08	0.010
HT40	2.394	2.520	95.00%	0.445528	0.22	0.418

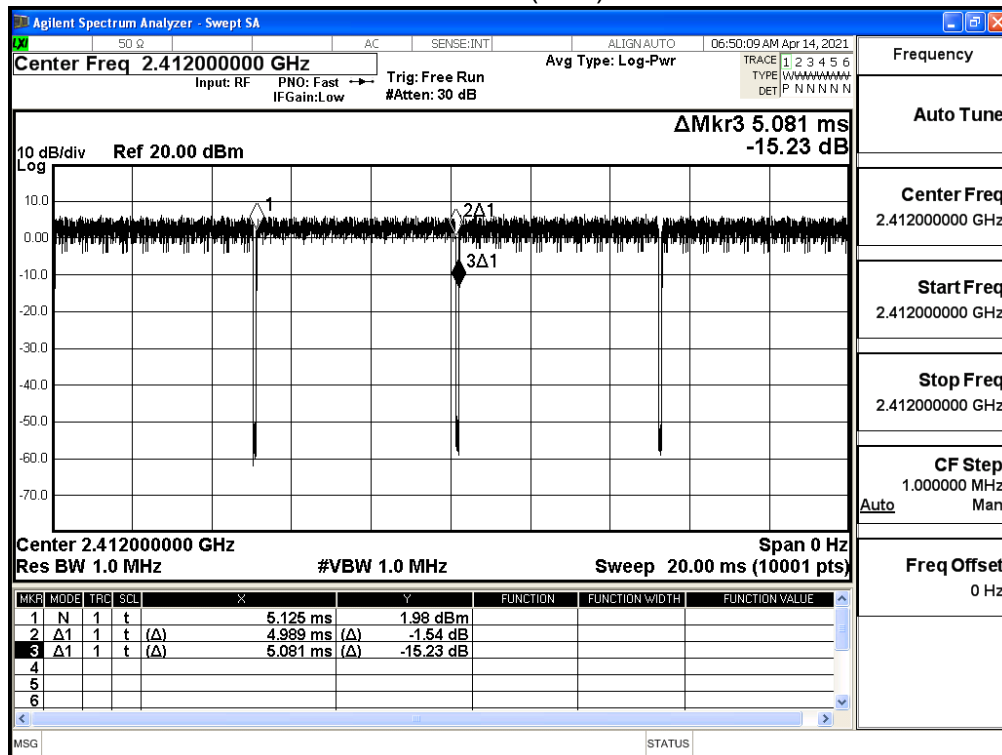
802.11b



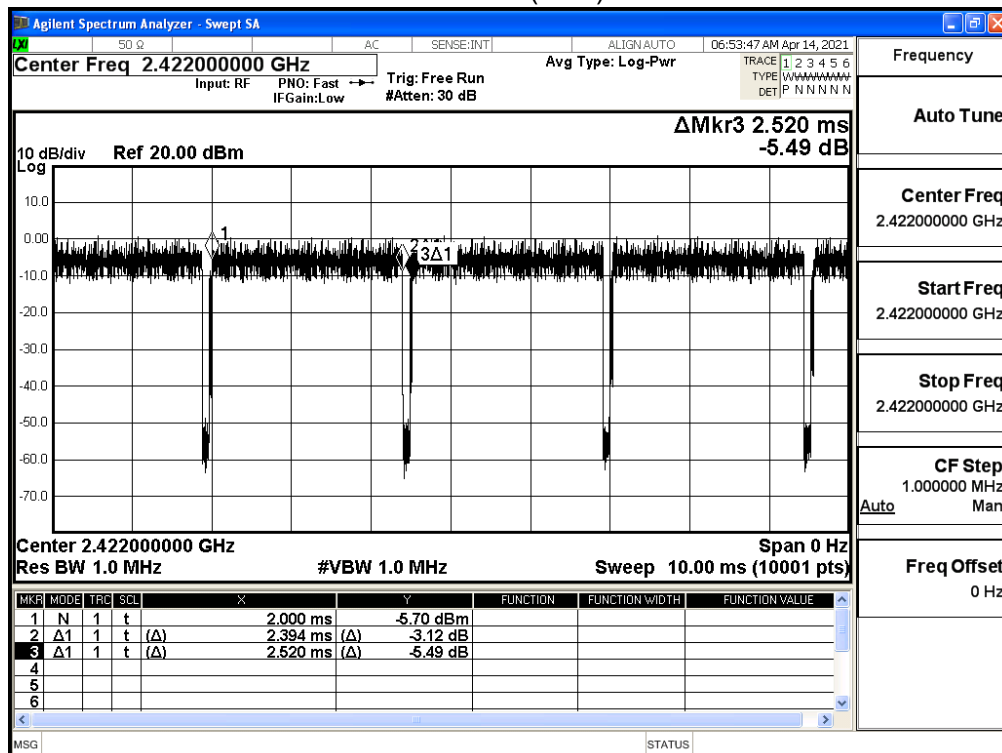
802.11g



802.11n (20M)



802.11n (40M)

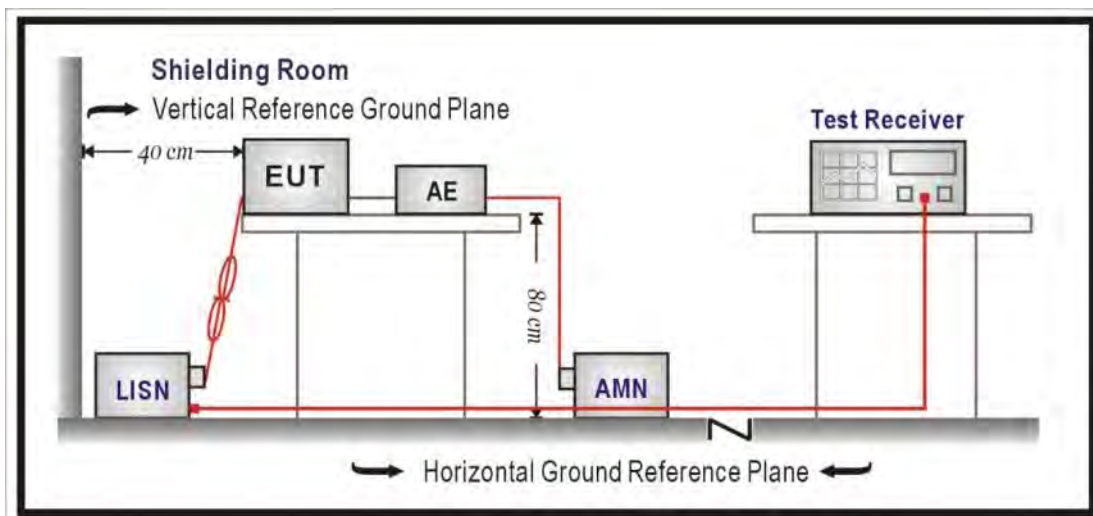


1.10. Uncertainty

Test item	Uncertainty
Conducted Emission	± 2.26 dB
Maximum peak conducted output power	± 1.27 dB
Radiated Emission	30MHz~1GHz as ± 3.43 dB 1GHz~26.5GHz as ± 3.65 dB
RF antenna conducted test	± 1.27 dB
Radiated Emission Band Edge	± 3.9 dB
DTS Bandwidth	± 50 Hz
Occupied Bandwidth	± 50 Hz
Power Density	± 1.27 dB

2. Conducted Emission

2.1. Test Setup



2.2. Limits

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

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

2.3. Test Procedure

The EUT was setup according to ANSI C63.4: 2013 and tested according to DTS test procedure of KDB 558074 for compliance to FCC 47CFR 15.247 requirements.

The EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 80 cm above the conducting ground plane. The vertical conducting plane was located 40 cm to the rear of the EUT. All other surfaces of EUT were at least 80 cm from any other grounded conducting surface. The EUT and simulators are connected to the main power through a line impedance stabilization network (LISN). The LISN provides a 50 ohm /50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN. (Please refer to the block diagram of the test setup and photographs.)

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

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

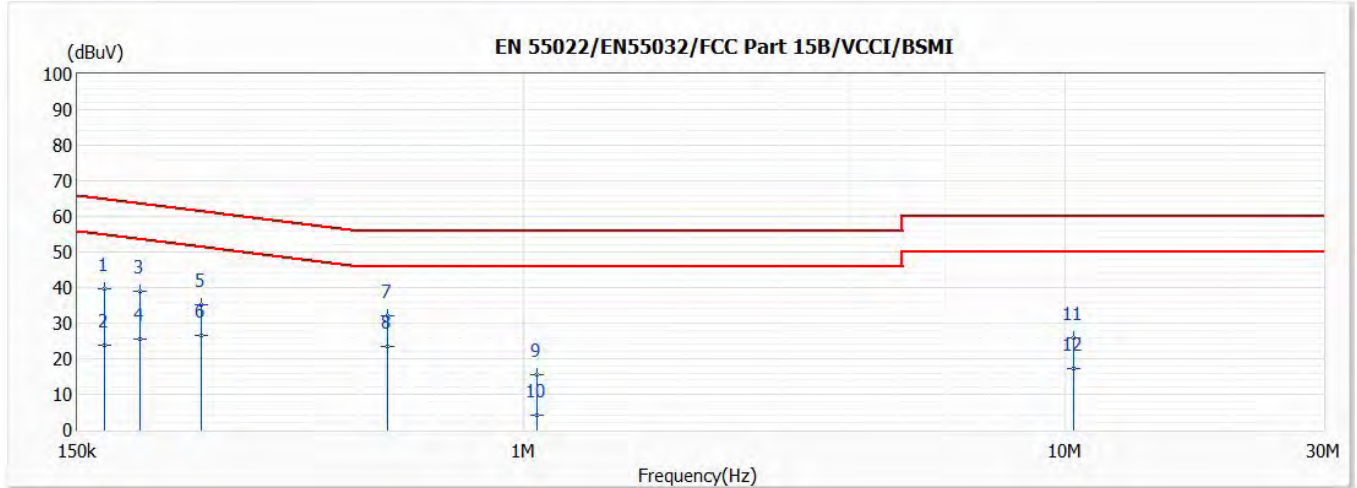
Conducted emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9 kHz.

2.4. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.207: 2019

2.5. Test Result

Model No	AP-200AC	Site	SR2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/5/3
Test Mode	Mode 1: Non-BF Transmit Power by Adapter	Engineer	Max Chang
Phase	L	Temperature (°C)	22.6
Test Condition	802.11b,Ant0+1,Ch 6,2.437G,BW20M	Humidity (%RH)	69

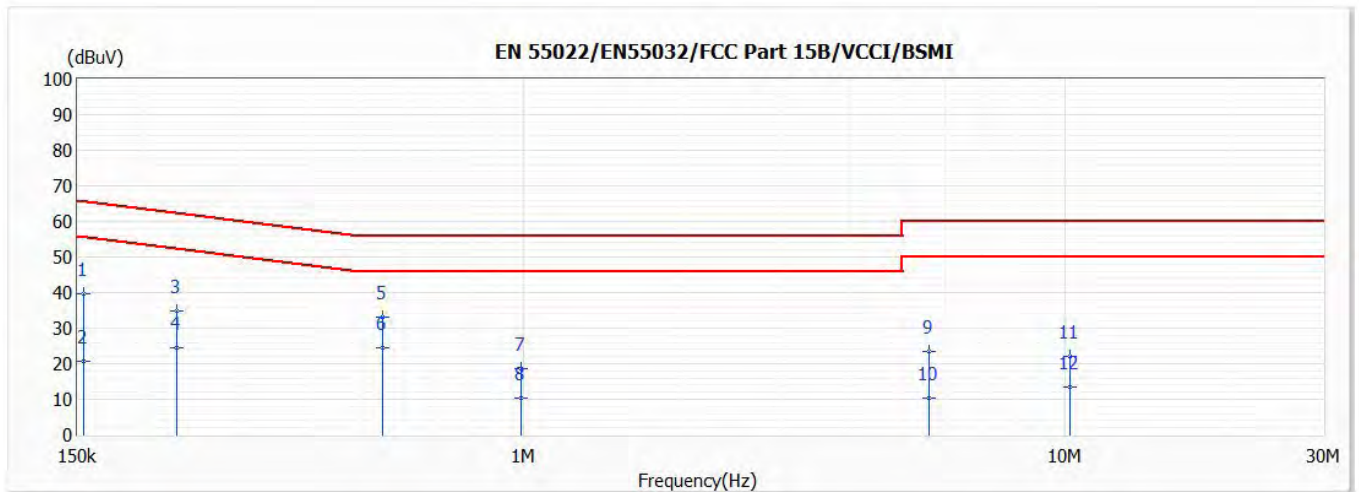


No	Frequency (MHz)	Emission Level (dBuV)	Limit (dBuV)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	0.168	39.82	65.06	-25.24	30.17	9.65	QP
2	0.168	23.91	55.06	-31.15	14.26	9.65	AV
3	0.196	39.05	63.79	-24.74	29.40	9.65	QP
4	0.196	25.55	53.79	-28.24	15.90	9.65	AV
5	0.253	35.28	61.64	-26.36	25.63	9.65	QP
6	0.253	26.64	51.64	-25.00	16.99	9.65	AV
7	0.560	32.21	56.00	-23.79	22.51	9.69	QP
*8	0.560	23.53	46.00	-22.47	13.83	9.69	AV
9	1.056	15.41	56.00	-40.59	5.67	9.74	QP
10	1.056	4.30	46.00	-41.70	-5.44	9.74	AV
11	10.375	25.92	60.00	-34.08	15.79	10.13	QP
12	10.375	17.31	50.00	-32.69	7.18	10.13	AV

Remark:

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

Model No	AP-200AC	Site	SR2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/5/3
Test Mode	Mode 1: Non-BF Transmit Power by Adapter	Engineer	Max Chang
Phase	N	Temperature (°C)	22.6
Test Condition	802.11b,Ant0+1,Ch 6,2.437G,BW20M	Humidity (%RH)	69

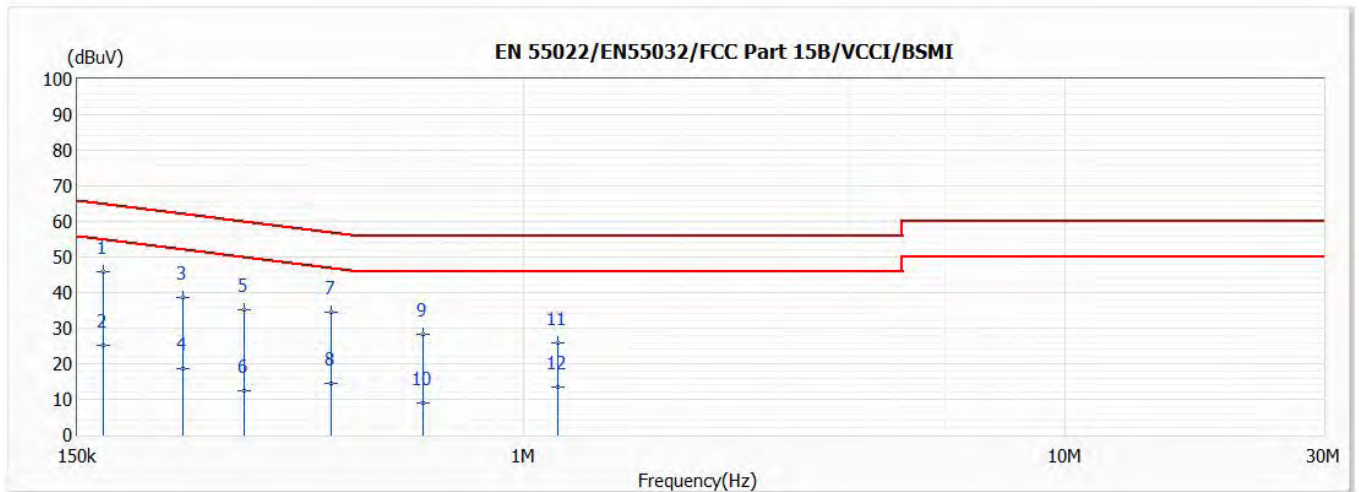


No	Frequency (MHz)	Emission Level (dBuV)	Limit (dBuV)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	0.154	39.49	65.79	-26.29	29.85	9.64	QP
2	0.154	20.66	55.79	-35.13	11.02	9.64	AV
3	0.229	35.00	62.48	-27.48	25.36	9.64	QP
4	0.229	24.63	52.48	-27.86	14.99	9.64	AV
5	0.549	33.01	56.00	-22.99	23.32	9.68	QP
*6	0.549	24.45	46.00	-21.55	14.76	9.68	AV
7	0.989	18.62	56.00	-37.38	8.90	9.72	QP
8	0.989	10.20	46.00	-35.80	0.48	9.72	AV
9	5.602	23.39	60.00	-36.61	13.42	9.96	QP
10	5.602	10.30	50.00	-39.70	0.33	9.96	AV
11	10.188	22.21	60.00	-37.79	12.06	10.14	QP
12	10.188	13.48	50.00	-36.52	3.33	10.14	AV

Remark:

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

Model No	AP-200AC	Site	SR2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/5/3
Test Mode	Mode 2: Non-BF Transmit Power by POE	Engineer	Max Chang
Phase	L	Temperature (°C)	22.6
Test Condition	802.11b,Ant0+1,Ch 6,2.437G,BW20M	Humidity (%RH)	69

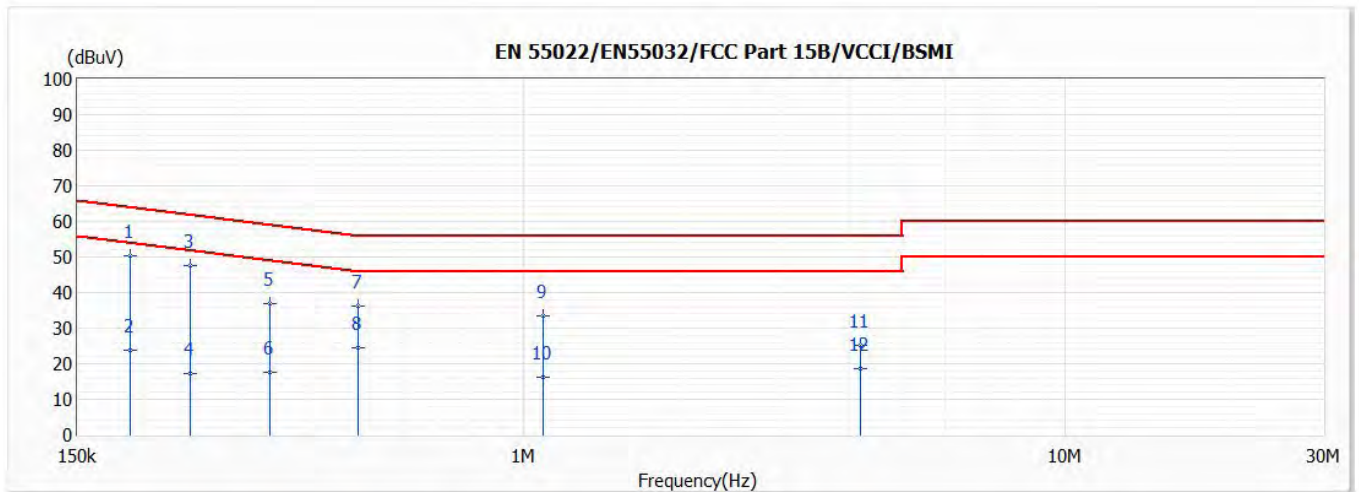


No	Frequency (MHz)	Emission Level (dBuV)	Limit (dBuV)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
*1	0.167	45.81	65.10	-19.29	36.17	9.65	QP
2	0.167	25.18	55.10	-29.92	15.54	9.65	AV
3	0.235	38.58	62.27	-23.70	28.92	9.65	QP
4	0.235	18.60	52.27	-33.67	8.95	9.65	AV
5	0.305	35.08	60.11	-25.04	25.41	9.67	QP
6	0.305	12.56	50.11	-37.56	2.89	9.67	AV
7	0.441	34.43	57.04	-22.61	24.74	9.68	QP
8	0.441	14.36	47.04	-32.68	4.68	9.68	AV
9	0.653	28.23	56.00	-27.77	18.53	9.70	QP
10	0.653	8.93	46.00	-37.07	-0.77	9.70	AV
11	1.158	25.72	56.00	-30.28	15.97	9.75	QP
12	1.158	13.28	46.00	-32.72	3.53	9.75	AV

Remark:

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

Model No	AP-200AC	Site	SR2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/5/3
Test Mode	Mode 2: Non-BF Transmit Power by POE	Engineer	Max Chang
Phase	N	Temperature (°C)	22.6
Test Condition	802.11b,Ant0+1,Ch 6,2.437G,BW20M	Humidity (%RH)	69



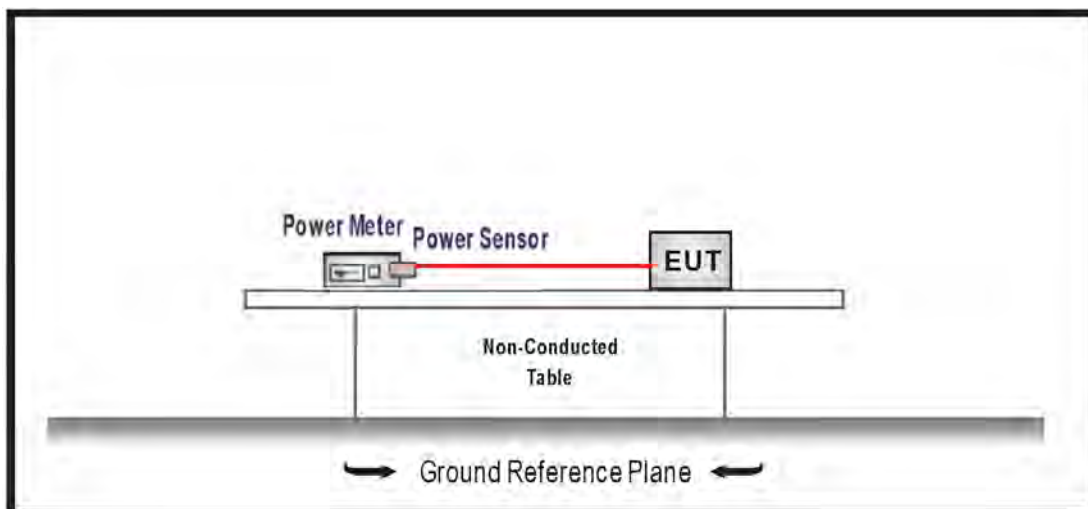
No	Frequency (MHz)	Emission Level (dBuV)	Limit (dBuV)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
*1	0.188	50.32	64.14	-13.82	40.68	9.63	QP
2	0.188	23.77	54.14	-30.37	14.13	9.63	AV
3	0.242	47.59	62.02	-14.43	37.95	9.64	QP
4	0.242	17.34	52.02	-34.68	7.70	9.64	AV
5	0.340	36.86	59.21	-22.35	27.20	9.66	QP
6	0.340	17.45	49.21	-31.76	7.79	9.66	AV
7	0.495	36.14	56.09	-19.95	26.46	9.68	QP
8	0.495	24.33	46.09	-21.76	14.65	9.68	AV
9	1.084	33.48	56.00	-22.52	23.76	9.72	QP
10	1.084	16.11	46.00	-29.89	6.39	9.72	AV
11	4.184	25.25	56.00	-30.75	15.35	9.89	QP
12	4.184	18.47	46.00	-27.53	8.58	9.89	AV

Remark:

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

3. Maximum peak conducted output power

3.1. Test Setup



3.2. 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: 2019.

3.5. Test Result

Product	Wireless LAN Access Point		
Test Item	Maximum peak conducted output power		
Test Mode	Mode 1: Non-BF Transmit_ Power by Adapter		
Date of Test	2021/04/14	Test Site	SR12-H
Test Temperature	22.0°C	Test Humidity	67.0%

IEEE 802.11b					
Channel No.	Frequency (MHz)	Maximum peak conducted output power (dBm)			Limit (dBm)
		Ant. 0	Ant. 1	Total	
1	2412	20.820	20.610	23.727	≤30
6	2437	21.880	21.820	24.860	≤30
11	2462	19.030	19.040	22.045	≤30

The worst emission of data rate is 1Mbps

IEEE 802.11g					
Channel No.	Frequency (MHz)	Maximum peak conducted output power (dBm)			Limit (dBm)
		Ant. 0	Ant. 1	Total	
1	2412	14.760	14.930	17.856	≤30
6	2437	21.720	21.860	24.801	≤30
11	2462	13.840	13.870	16.865	≤30

The worst emission of data rate is 6Mbps

IEEE 802.11n (20M)					
Channel No.	Frequency (MHz)	Maximum peak conducted output power (dBm)			Limit (dBm)
		Ant. 0	Ant. 1	Total	
1	2412	13.790	13.850	16.830	≤30
6	2437	20.540	20.772	23.668	≤30
11	2462	12.800	12.690	15.756	≤30

The worst emission of data rate is MCS 0

IEEE 802.11n (40M)					
Channel No.	Frequency (MHz)	Maximum peak conducted output power (dBm)			Limit (dBm)
		Ant. 0	Ant. 1	Total	
3	2422	11.740	11.710	14.735	≤30
6	2437	14.390	14.260	17.336	≤30
9	2452	12.210	12.010	15.121	≤30

The worst emission of data rate is MCS 0

Product	Wireless LAN Access Point		
Test Item	Maximum peak conducted output power		
Test Mode	Mode 3: BF Transmit_ Power by Adapter		
Date of Test	2021/04/14	Test Site	SR12-H
Test Temperature	22.0°C	Test Humidity	67.0%

IEEE 802.11b					
Channel No.	Frequency (MHz)	Maximum peak conducted output power (dBm)			Limit (dBm)
		Ant. 0	Ant. 1	Total	
1	2412	17.810	17.600	20.717	≤ 30
6	2437	18.870	18.810	21.850	≤ 30
11	2462	16.020	16.030	19.035	≤ 30

The worst emission of data rate is 1Mbps

IEEE 802.11g					
Channel No.	Frequency (MHz)	Maximum peak conducted output power (dBm)			Limit (dBm)
		Ant. 0	Ant. 1	Total	
1	2412	11.750	11.920	14.846	≤ 30
6	2437	18.710	18.850	21.791	≤ 30
11	2462	10.830	10.860	13.855	≤ 30

The worst emission of data rate is 6Mbps

IEEE 802.11n (20M)					
Channel No.	Frequency (MHz)	Maximum peak conducted output power (dBm)			Limit (dBm)
		Ant. 0	Ant. 1	Total	
1	2412	10.780	10.840	13.820	≤ 30
6	2437	17.530	17.762	20.658	≤ 30
11	2462	9.790	9.680	12.746	≤ 30

The worst emission of data rate is MCS 0

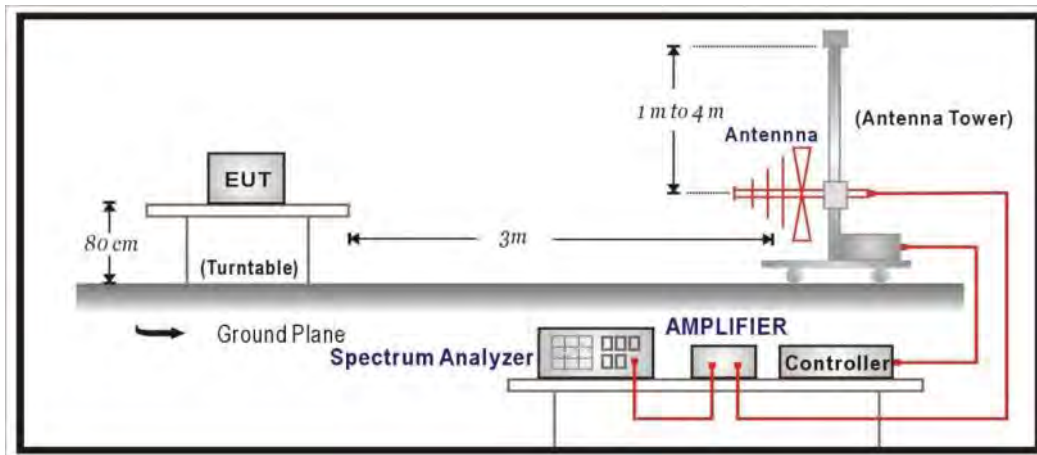
IEEE 802.11n (40M)					
Channel No.	Frequency (MHz)	Maximum peak conducted output power (dBm)			Limit (dBm)
		Ant. 0	Ant. 1	Total	
3	2422	8.730	8.700	11.725	≤ 30
6	2437	11.380	11.250	14.326	≤ 30
9	2452	9.200	9.000	12.111	≤ 30

The worst emission of data rate is MCS 0

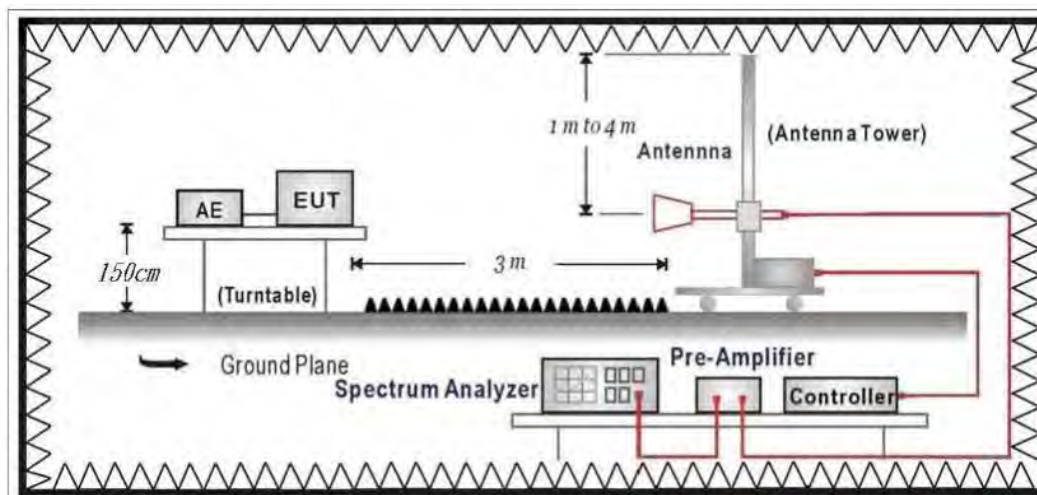
4. Radiated Emission

4.1. Test Setup

Under 1GHz Test Setup:



Above 1GHz Test Setup:



4.2. Limits

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

FCC Part 15 Subpart C Paragraph 15.209 Limits		
Frequency MHz	dBuV/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.

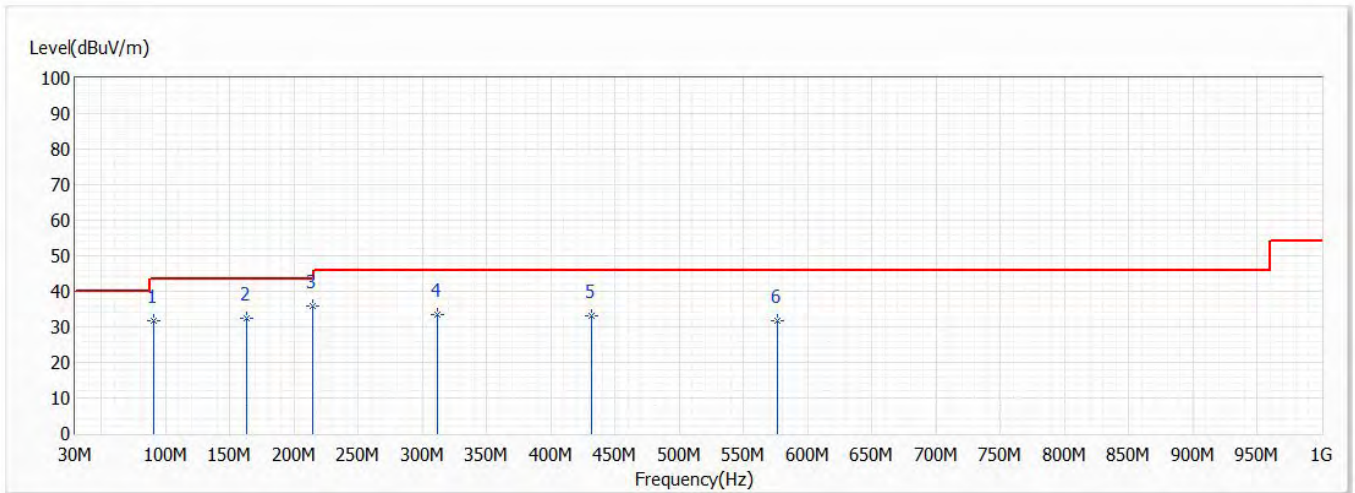
4.4. Test Specification

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

4.5. Test Result

30MHz-1GHz Spurious

Model No	AP-200AC	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/4/30
Test Mode	Mode 1: Non-BF Transmit Power by Adapter	Engineer	Ling Chen
Polarity	Horizontal	Temperature (°C)	25.7
Test Condition	802.11b,Ant0+1,Ch 6,2.437G,BW20M	Humidity (%RH)	61.0

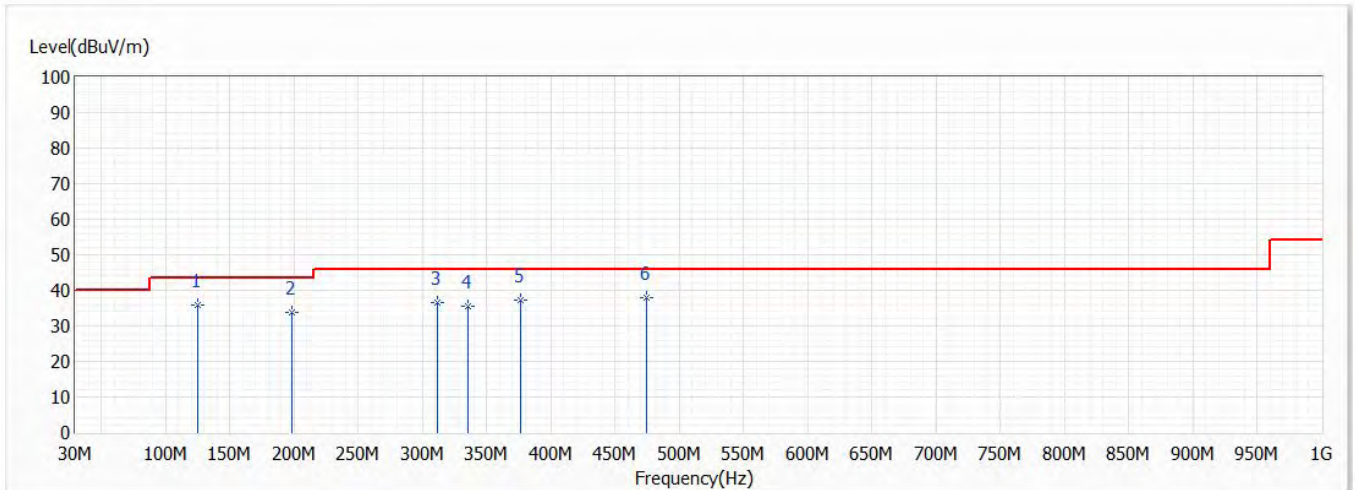


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	91.110	31.78	43.50	-11.72	37.98	-6.20	PK
2	162.890	32.33	43.50	-11.17	36.67	-4.34	PK
* 3	214.300	35.74	43.50	-7.76	39.78	-4.04	PK
4	311.785	33.31	46.00	-12.69	34.15	-0.84	PK
5	432.065	32.98	46.00	-13.02	30.37	2.61	PK
6	576.110	31.87	46.00	-14.13	27.10	4.77	PK

Note:

1. All reading levels is Quasi-Peak value.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor

Model No	AP-200AC	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/4/30
Test Mode	Mode 1: Non-BF Transmit Power by Adapter	Engineer	Ling Chen
Polarity	Vertical	Temperature (°C)	25.7
Test Condition	802.11b,Ant0+1,Ch 6,2.437G,BW20M	Humidity (%RH)	61.0

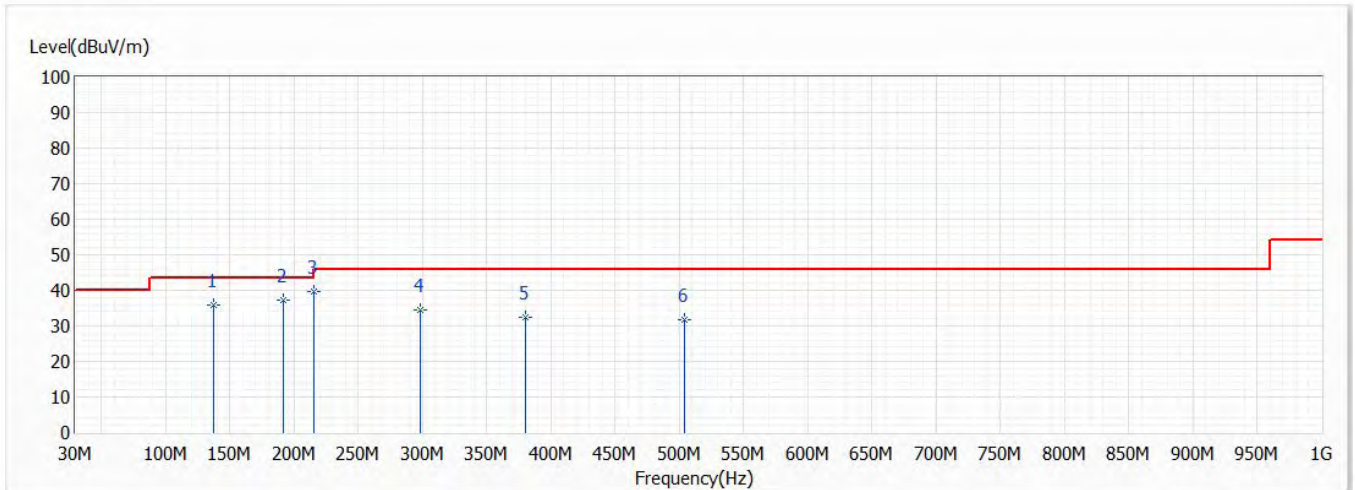


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	125.545	35.84	43.50	-7.66	38.36	-2.52	PK
2	198.295	33.83	43.50	-9.67	38.73	-4.90	PK
3	311.785	36.63	46.00	-9.37	37.47	-0.84	PK
4	336.035	35.64	46.00	-10.36	35.68	-0.04	PK
5	376.775	37.14	46.00	-8.86	35.86	1.28	PK
6	474.745	37.84	46.00	-8.16	34.49	3.35	PK

Note:

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

Model No	AP-200AC	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/5/4
Test Mode	Mode 2: Non-BF Transmit Power by POE	Engineer	Ling Chen
Polarity	Horizontal	Temperature (°C)	25.7
Test Condition	802.11b,Ant0+1,Ch 6,2.437G,BW20M	Humidity (%RH)	61.0

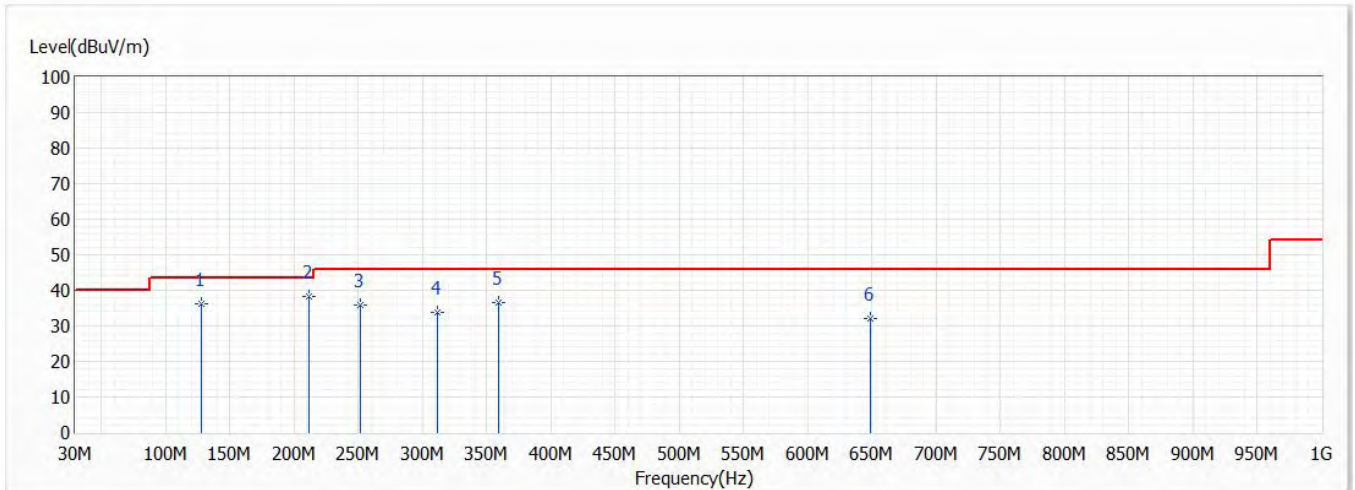


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	137.670	35.92	43.50	-7.58	38.78	-2.86	PK
2	191.990	37.41	43.50	-6.09	42.51	-5.10	PK
* 3	215.755	39.60	43.50	-3.90	43.56	-3.96	PK
4	298.690	34.38	46.00	-11.62	35.61	-1.23	PK
5	380.170	32.47	46.00	-13.53	31.08	1.39	PK
6	503.845	31.80	46.00	-14.20	27.98	3.82	PK

Note:

1. All reading levels is Quasi-Peak value.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor

Model No	AP-200AC	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/5/4
Test Mode	Mode 2: Non-BF Transmit Power by POE	Engineer	Ling Chen
Polarity	Vertical	Temperature (°C)	25.7
Test Condition	802.11b,Ant0+1,Ch 6,2.437G,BW20M	Humidity (%RH)	61.0



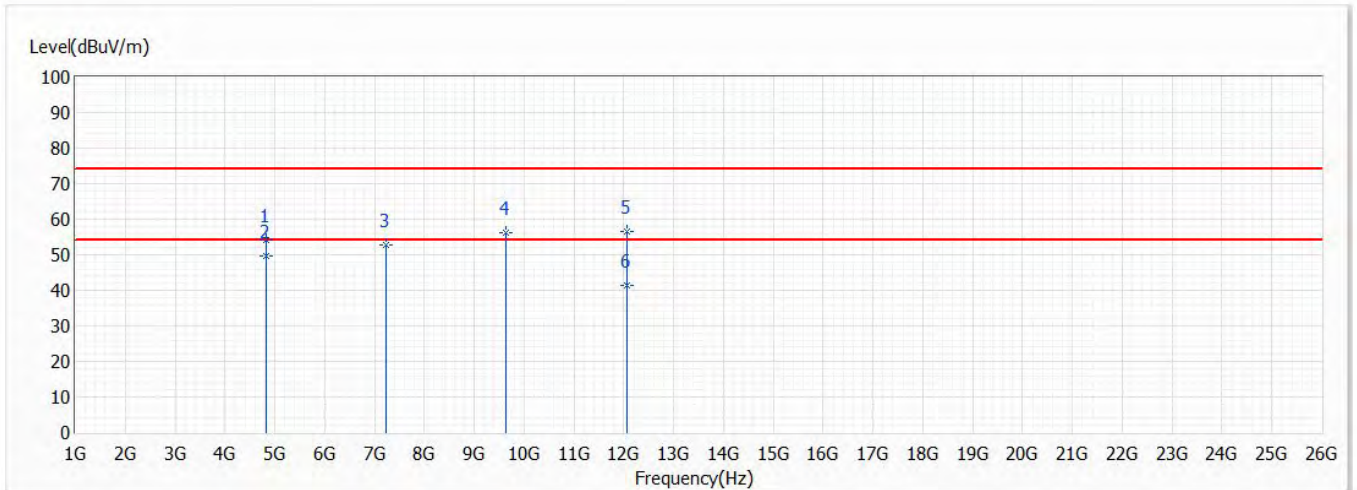
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	127.970	36.23	43.50	-7.27	38.82	-2.59	PK
* 2	211.875	38.31	43.50	-5.19	42.48	-4.17	PK
3	252.130	36.03	46.00	-9.97	38.04	-2.01	PK
4	311.785	33.68	46.00	-12.32	34.52	-0.84	PK
5	359.800	36.54	46.00	-9.46	35.82	0.72	PK
6	648.375	31.90	46.00	-14.10	26.31	5.59	PK

Note:

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

Above 1GHz Spurious

Model No	AP-200AC	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/4/21
Test Mode	Mode 1: Non-BF Transmit Power by Adapter	Engineer	Ling Chen
Polarity	Horizontal	Temperature (°C)	25.7
Test Condition	802.11b,Ant0+1,Ch 1,2.412G,BW20M	Humidity (%RH)	61.0

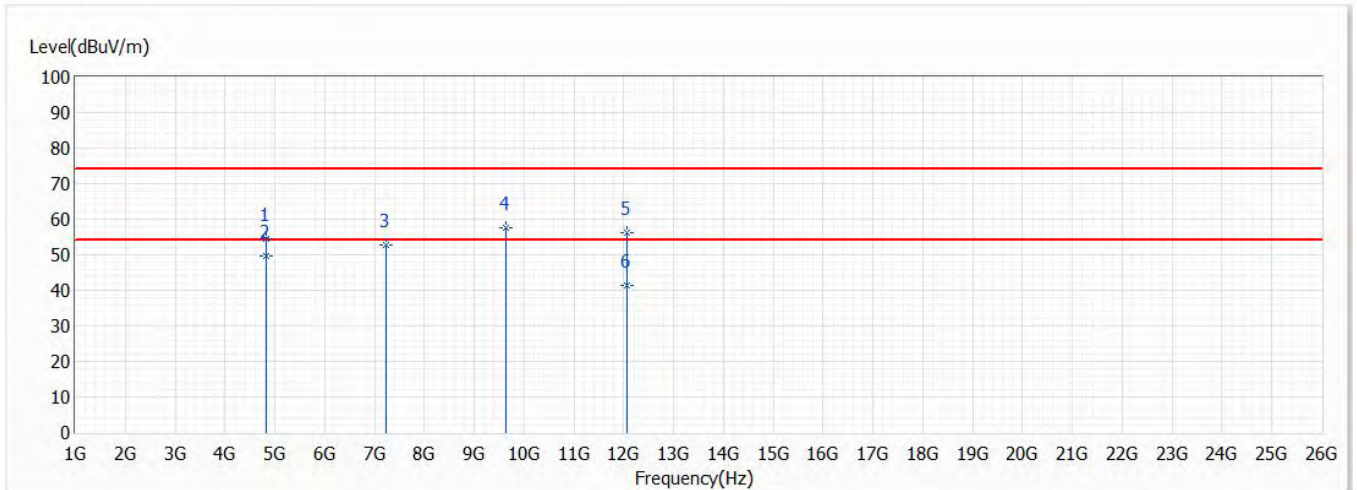


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	4824.000	54.11	74.00	-19.89	66.09	-11.98	PK
* 2	4824.000	49.64	54.00	-4.36	61.62	-11.98	AV
3	7236.000	52.74	74.00	-21.26	57.34	-4.60	PK
4	9648.000	56.04	74.00	-17.96	57.35	-1.31	PK
5	12060.000	56.48	74.00	-17.52	53.73	2.75	PK
6	12060.000	41.55	54.00	-12.45	38.80	2.75	AV

Note:

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

Model No	AP-200AC	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/4/21
Test Mode	Mode 1: Non-BF Transmit Power by Adapter	Engineer	Ling Chen
Polarity	Vertical	Temperature (°C)	25.7
Test Condition	802.11b,Ant0+1,Ch 1,2.412G,BW20M	Humidity (%RH)	61.0

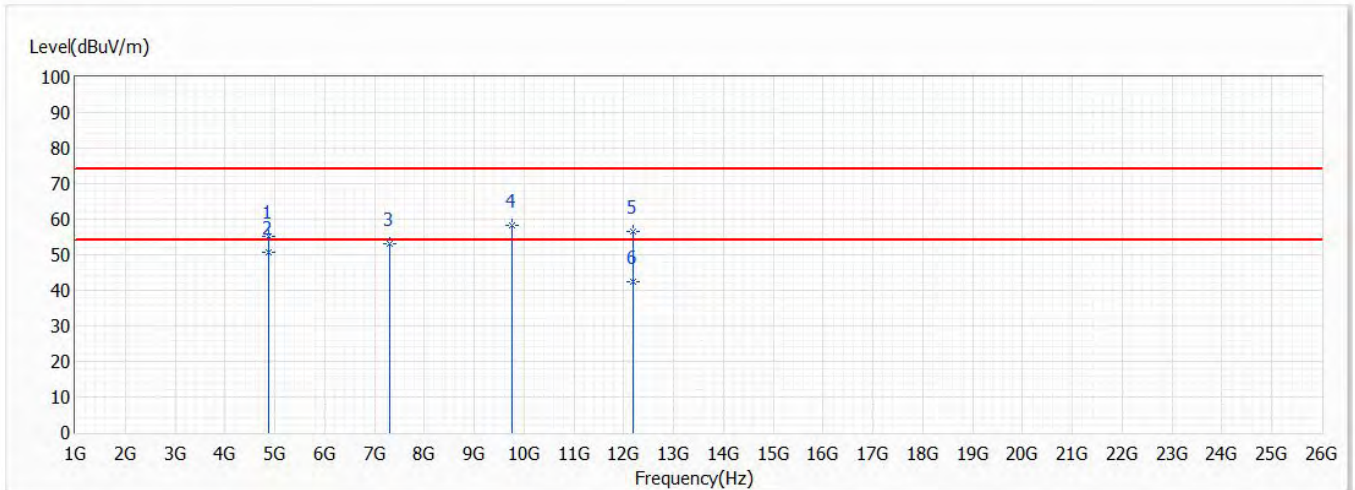


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	4824.000	54.46	74.00	-19.54	66.44	-11.98	PK
* 2	4824.000	49.81	54.00	-4.19	61.79	-11.98	AV
3	7236.000	52.75	74.00	-21.25	57.35	-4.60	PK
4	9648.000	57.46	74.00	-16.54	58.77	-1.31	PK
5	12060.000	56.15	74.00	-17.85	53.40	2.75	PK
6	12060.000	41.52	54.00	-12.48	38.77	2.75	AV

Note:

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

Model No	AP-200AC	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/4/21
Test Mode	Mode 1: Non-BF Transmit Power by Adapter	Engineer	Ling Chen
Polarity	Horizontal	Temperature (°C)	25.7
Test Condition	802.11b,Ant0+1,Ch 6,2.437G,BW20M	Humidity (%RH)	61.0

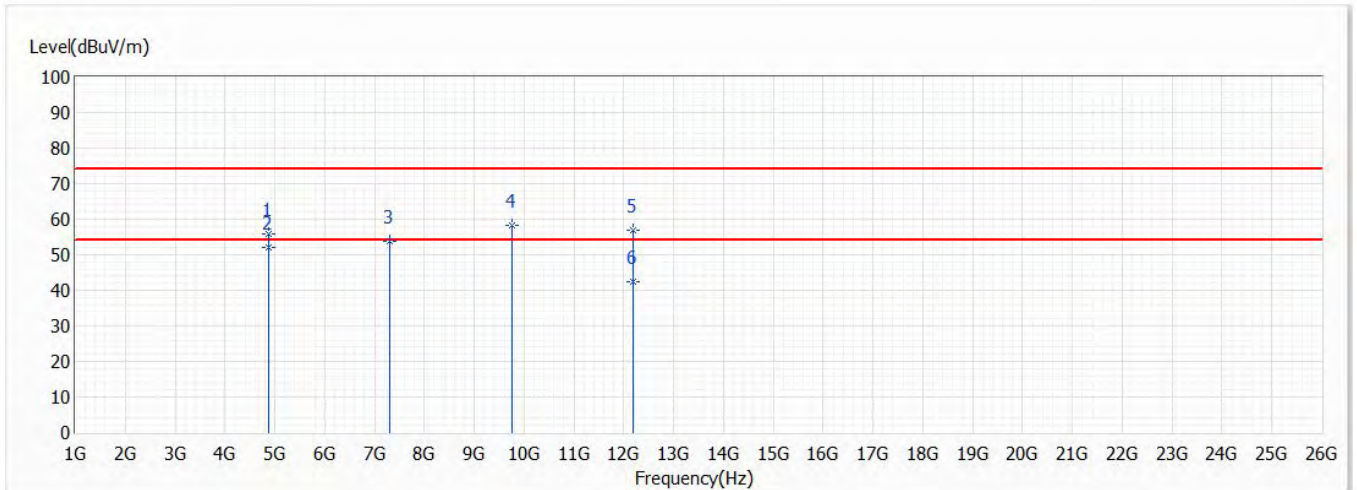


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	4874.000	55.28	74.00	-18.72	67.12	-11.84	PK
* 2	4874.000	50.82	54.00	-3.18	62.66	-11.84	AV
3	7311.000	52.96	74.00	-21.04	57.34	-4.38	PK
4	9748.000	58.42	74.00	-15.58	59.69	-1.27	PK
5	12185.000	56.58	74.00	-17.42	53.98	2.60	PK
6	12185.000	42.39	54.00	-11.61	39.79	2.60	AV

Note:

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

Model No	AP-200AC	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/4/21
Test Mode	Mode 1: Non-BF Transmit Power by Adapter	Engineer	Ling Chen
Polarity	Vertical	Temperature (°C)	25.7
Test Condition	802.11b,Ant0+1,Ch 6,2.437G,BW20M	Humidity (%RH)	61.0

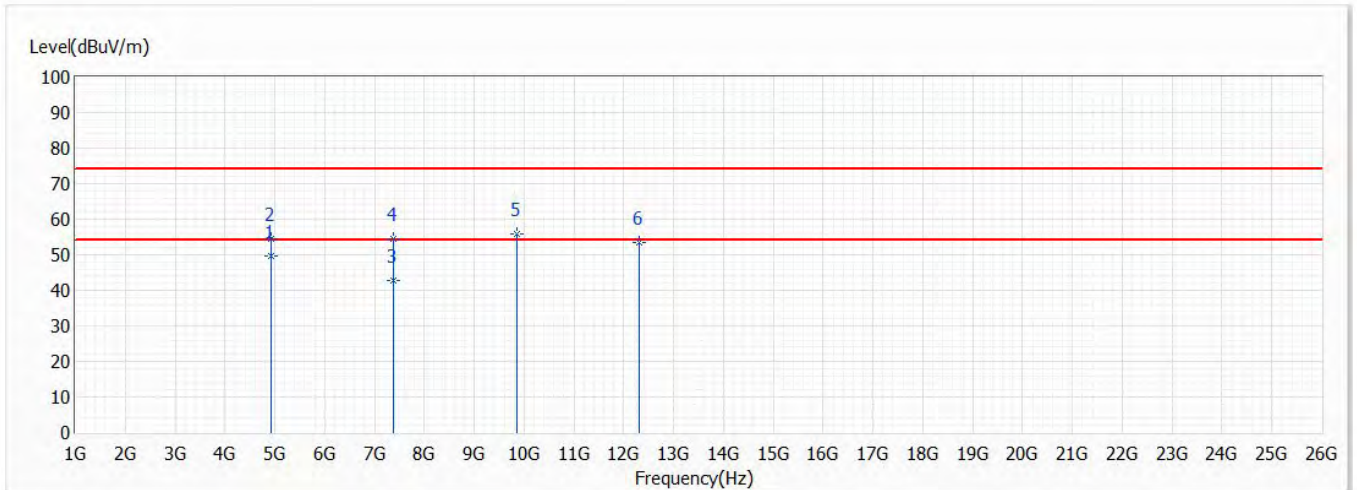


No	Frequency (MHz)	Emission Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Reading Level (dBUV)	Correct Factor (dB)	Detector Type
1	4874.000	55.87	74.00	-18.13	67.71	-11.84	PK
* 2	4874.000	51.93	54.00	-2.07	63.77	-11.84	AV
3	7311.000	53.91	74.00	-20.09	58.29	-4.38	PK
4	9748.000	58.42	74.00	-15.58	59.69	-1.27	PK
5	12185.000	56.97	74.00	-17.03	54.37	2.60	PK
6	12185.000	42.39	54.00	-11.61	39.79	2.60	AV

Note:

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

Model No	AP-200AC	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/4/22
Test Mode	Mode 1: Non-BF Transmit Power by Adapter	Engineer	Ling Chen
Polarity	Horizontal	Temperature (°C)	25.7
Test Condition	802.11b,Ant0+1,Ch 11,2.462G,BW20M	Humidity (%RH)	61.0

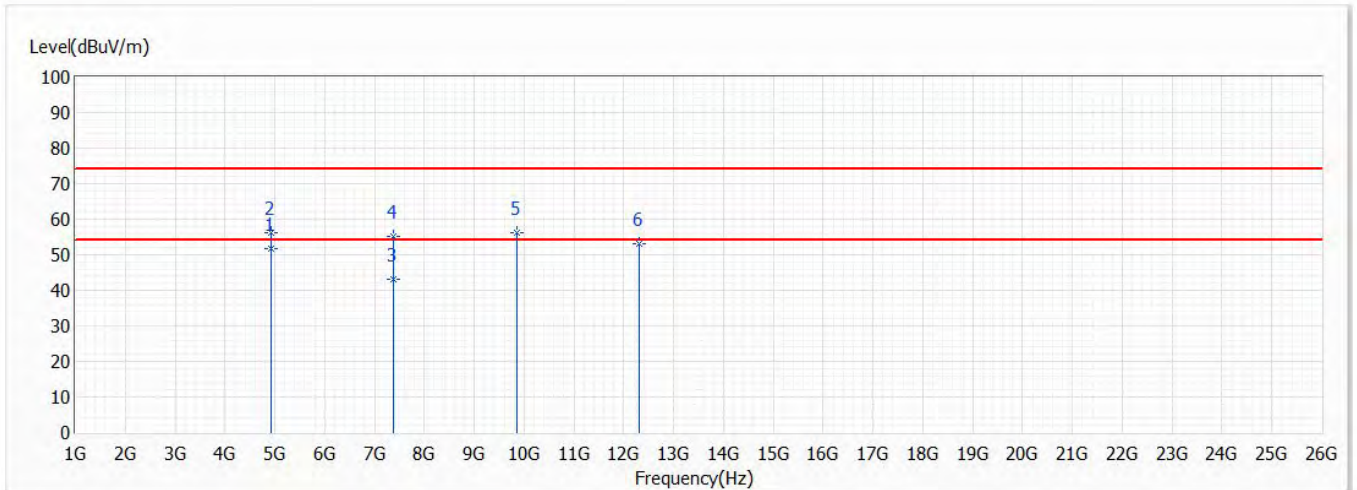


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	4924.000	49.82	54.00	-4.18	61.52	-11.70	AV
2	4924.000	54.38	74.00	-19.62	66.08	-11.70	PK
3	7386.000	42.72	54.00	-11.28	46.89	-4.17	AV
4	7386.000	54.43	74.00	-19.57	58.60	-4.17	PK
5	9848.000	55.78	74.00	-18.22	57.00	-1.22	PK
6	12310.000	53.62	74.00	-20.38	51.16	2.46	PK

Note:

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

Model No	AP-200AC	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/4/22
Test Mode	Mode 1: Non-BF Transmit Power by Adapter	Engineer	Ling Chen
Polarity	Vertical	Temperature (°C)	25.7
Test Condition	802.11b,Ant0+1,Ch 11,2.462G,BW20M	Humidity (%RH)	61.0

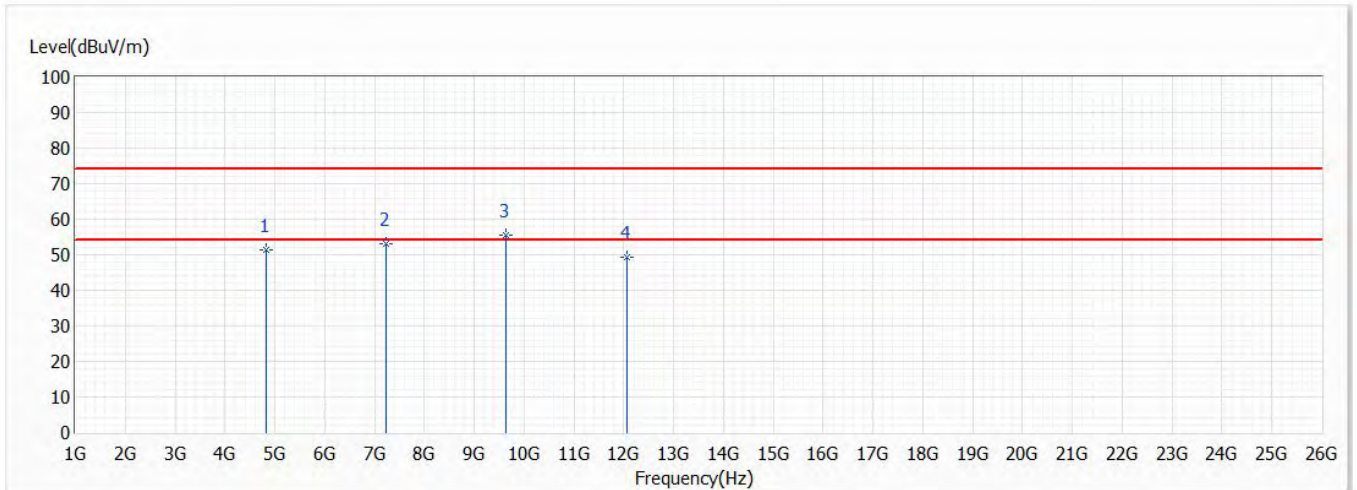


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	4924.000	51.63	54.00	-2.37	63.33	-11.70	AV
2	4924.000	56.16	74.00	-17.84	67.86	-11.70	PK
3	7386.000	43.06	54.00	-10.94	47.23	-4.17	AV
4	7386.000	55.26	74.00	-18.74	59.43	-4.17	PK
5	9848.000	56.27	74.00	-17.73	57.49	-1.22	PK
6	12310.000	53.26	74.00	-20.74	50.80	2.46	PK

Note:

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

Model No	AP-200AC	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/4/22
Test Mode	Mode 1: Non-BF Transmit Power by Adapter	Engineer	Ling Chen
Polarity	Horizontal	Temperature (°C)	25.7
Test Condition	802.11g,Ant0+1,Ch 1,2.412G,BW20M	Humidity (%RH)	61.0

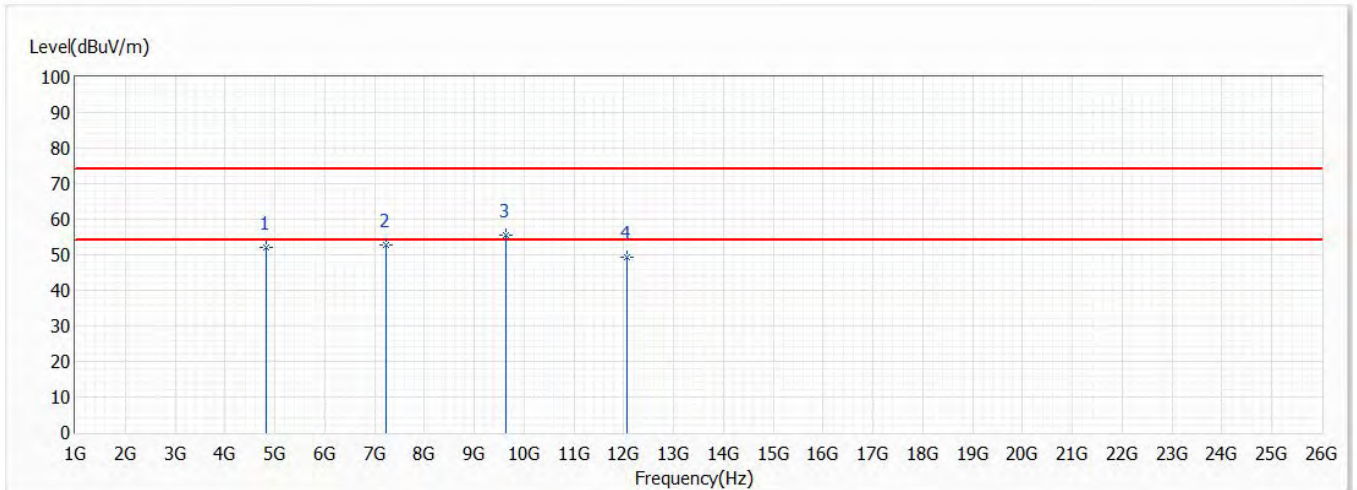


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	4824.000	51.32	74.00	-22.68	63.30	-11.98	PK
2	7236.000	53.08	74.00	-20.92	57.68	-4.60	PK
* 3	9648.000	55.57	74.00	-18.43	56.88	-1.31	PK
4	12060.000	49.38	74.00	-24.62	46.63	2.75	PK

Note:

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

Model No	AP-200AC	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/4/22
Test Mode	Mode 1: Non-BF Transmit Power by Adapter	Engineer	Ling Chen
Polarity	Vertical	Temperature (°C)	25.7
Test Condition	802.11g,Ant0+1,Ch 1,2.412G,BW20M	Humidity (%RH)	61.0

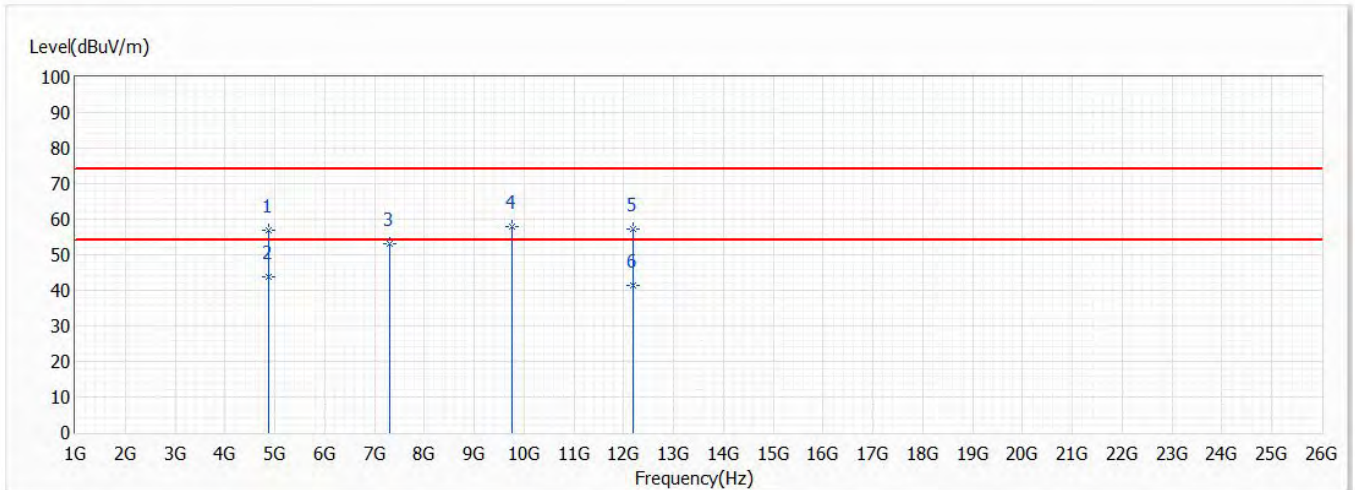


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	4824.000	52.19	74.00	-21.81	64.17	-11.98	PK
2	7236.000	52.86	74.00	-21.14	57.46	-4.60	PK
* 3	9648.000	55.43	74.00	-18.57	56.74	-1.31	PK
4	12060.000	49.21	74.00	-24.79	46.46	2.75	PK

Note:

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

Model No	AP-200AC	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/4/22
Test Mode	Mode 1: Non-BF Transmit Power by Adapter	Engineer	Ling Chen
Polarity	Horizontal	Temperature (°C)	25.7
Test Condition	802.11g,Ant0+1,Ch 6,2.437G,BW20M	Humidity (%RH)	61.0

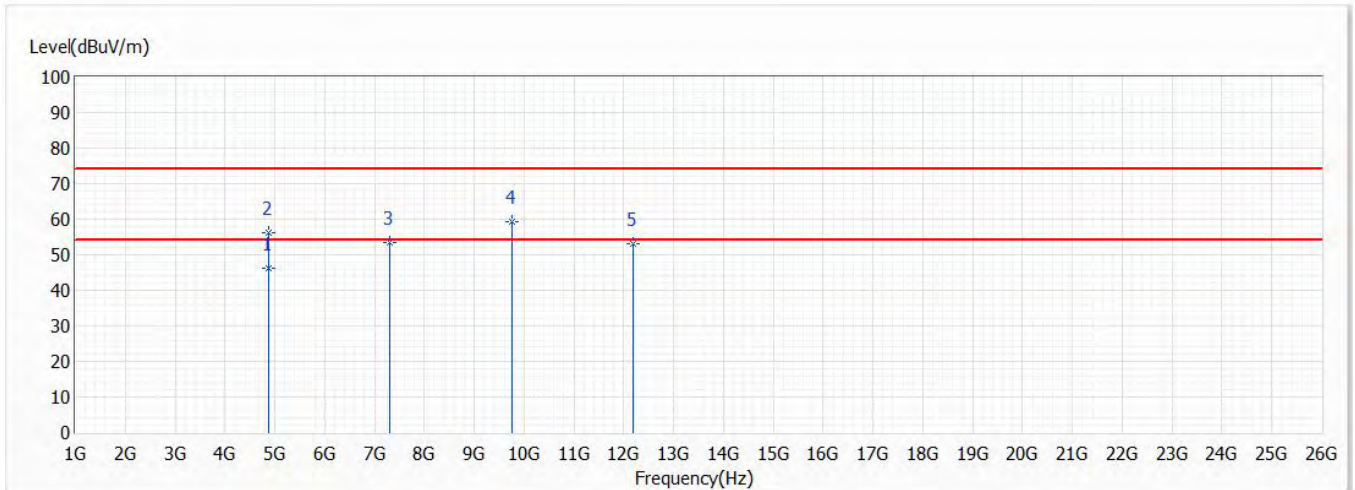


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	4874.000	56.91	74.00	-17.09	68.75	-11.84	PK
* 2	4874.000	43.65	54.00	-10.35	55.49	-11.84	AV
3	7311.000	53.18	74.00	-20.82	57.56	-4.38	PK
4	9748.000	58.09	74.00	-15.91	59.36	-1.27	PK
5	12185.000	57.14	74.00	-16.86	54.54	2.60	PK
6	12185.000	41.54	54.00	-12.46	38.94	2.60	AV

Note:

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

Model No	AP-200AC	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/4/22
Test Mode	Mode 1: Non-BF Transmit Power by Adapter	Engineer	Ling Chen
Polarity	Vertical	Temperature (°C)	25.7
Test Condition	802.11g,Ant0+1,Ch 6,2.437G,BW20M	Humidity (%RH)	61.0

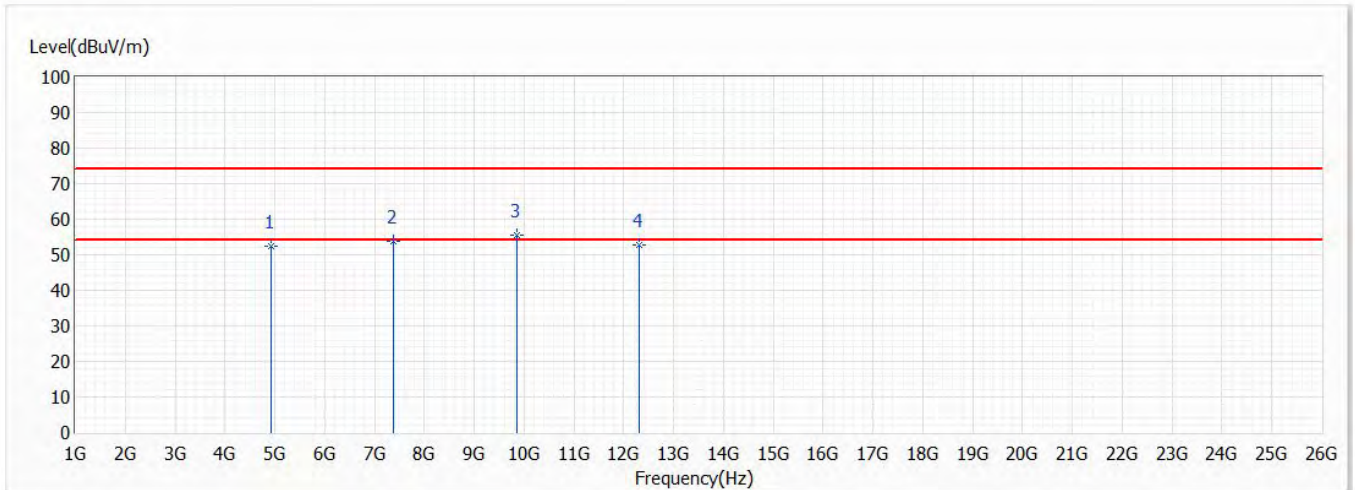


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	4874.000	46.31	54.00	-7.69	58.15	-11.84	AV
2	4874.000	56.08	74.00	-17.92	67.92	-11.84	PK
3	7311.000	53.39	74.00	-20.61	57.77	-4.38	PK
4	9748.000	59.42	74.00	-14.58	60.69	-1.27	PK
5	12185.000	53.18	74.00	-20.82	50.58	2.60	PK

Note:

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

Model No	AP-200AC	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/4/22
Test Mode	Mode 1: Non-BF Transmit Power by Adapter	Engineer	Ling Chen
Polarity	Horizontal	Temperature (°C)	25.7
Test Condition	802.11g,Ant0+1,Ch 11,2.462G,BW20M	Humidity (%RH)	61.0

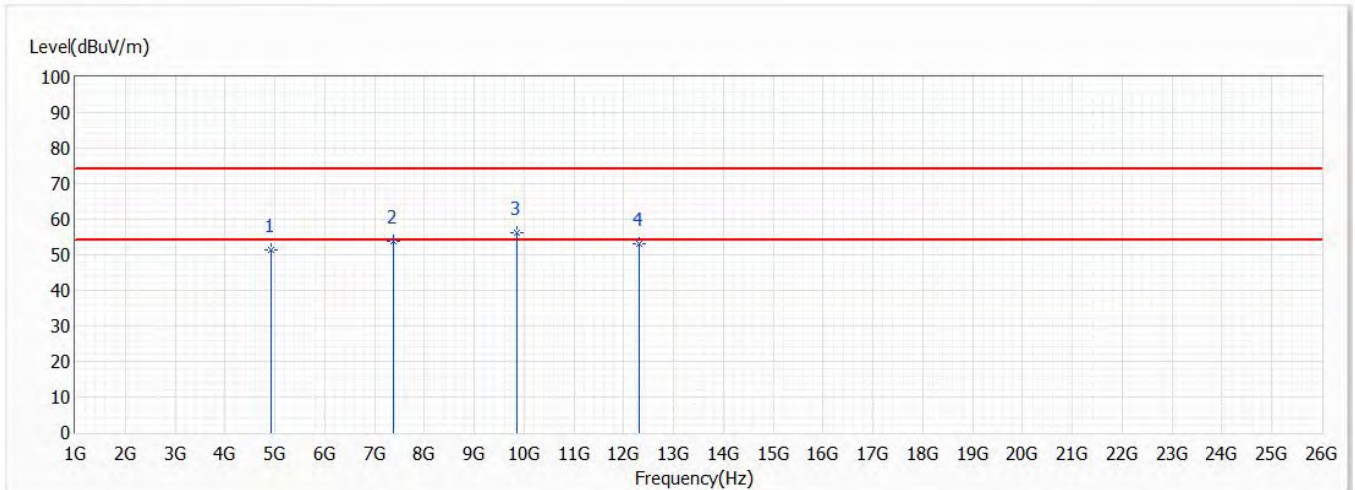


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	4924.000	52.37	74.00	-21.63	64.07	-11.70	PK
2	7386.000	53.77	74.00	-20.23	57.94	-4.17	PK
* 3	9848.000	55.53	74.00	-18.47	56.75	-1.22	PK
4	12310.000	52.76	74.00	-21.24	50.30	2.46	PK

Note:

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

Model No	AP-200AC	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/4/22
Test Mode	Mode 1: Non-BF Transmit Power by Adapter	Engineer	Ling Chen
Polarity	Vertical	Temperature (°C)	25.7
Test Condition	802.11g,Ant0+1,Ch 11,2.462G,BW20M	Humidity (%RH)	61.0

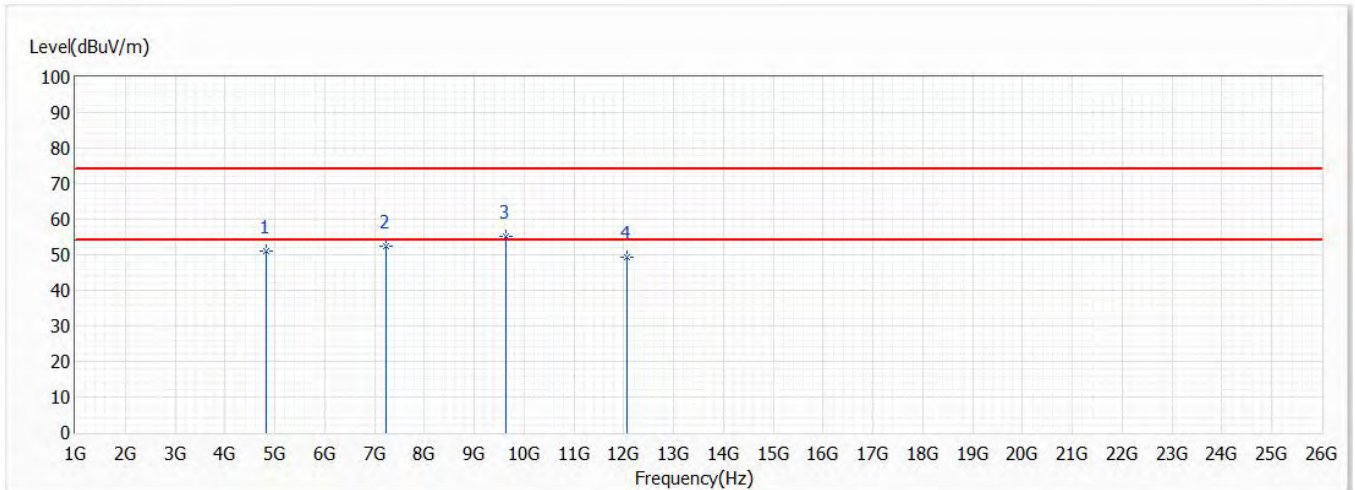


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	4924.000	51.21	74.00	-22.79	62.91	-11.70	PK
2	7386.000	53.91	74.00	-20.09	58.08	-4.17	PK
* 3	9848.000	56.34	74.00	-17.66	57.56	-1.22	PK
4	12310.000	53.11	74.00	-20.89	50.65	2.46	PK

Note:

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

Model No	AP-200AC	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/4/22
Test Mode	Mode 1: Non-BF Transmit Power by Adapter	Engineer	Ling Chen
Polarity	Horizontal	Temperature (°C)	25.7
Test Condition	802.11n,Ant0+1,Ch 1,2.412G,BW20M	Humidity (%RH)	61.0

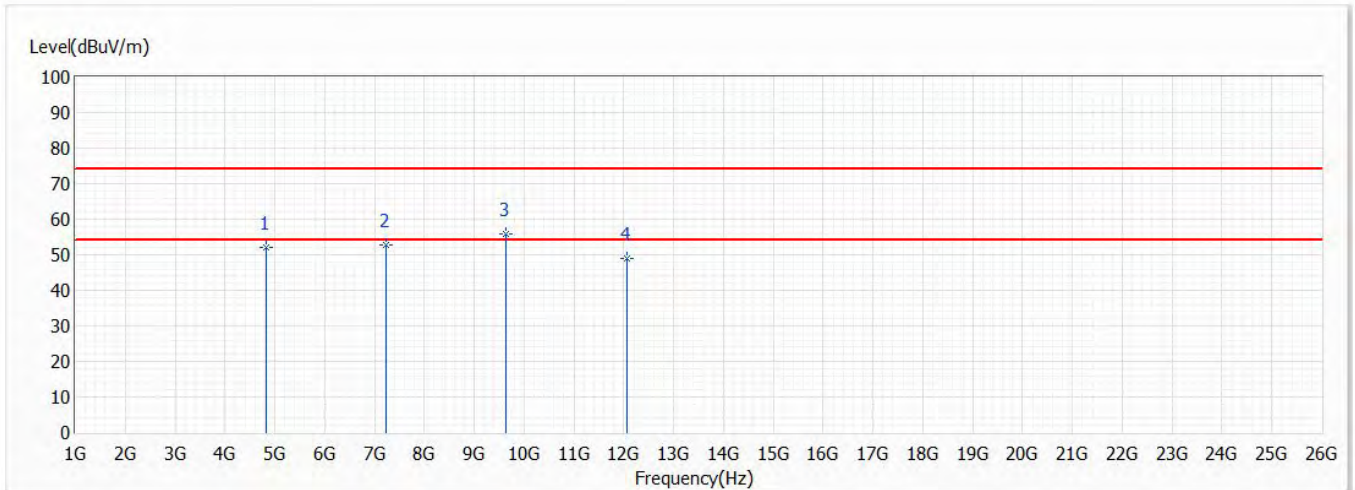


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	4824.000	51.19	74.00	-22.81	63.17	-11.98	PK
2	7236.000	52.33	74.00	-21.67	56.93	-4.60	PK
* 3	9648.000	55.08	74.00	-18.92	56.39	-1.31	PK
4	12060.000	49.14	74.00	-24.86	46.39	2.75	PK

Note:

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

Model No	AP-200AC	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/4/22
Test Mode	Mode 1: Non-BF Transmit Power by Adapter	Engineer	Ling Chen
Polarity	Vertical	Temperature (°C)	25.7
Test Condition	802.11n,Ant0+1,Ch 1,2.412G,BW20M	Humidity (%RH)	61.0

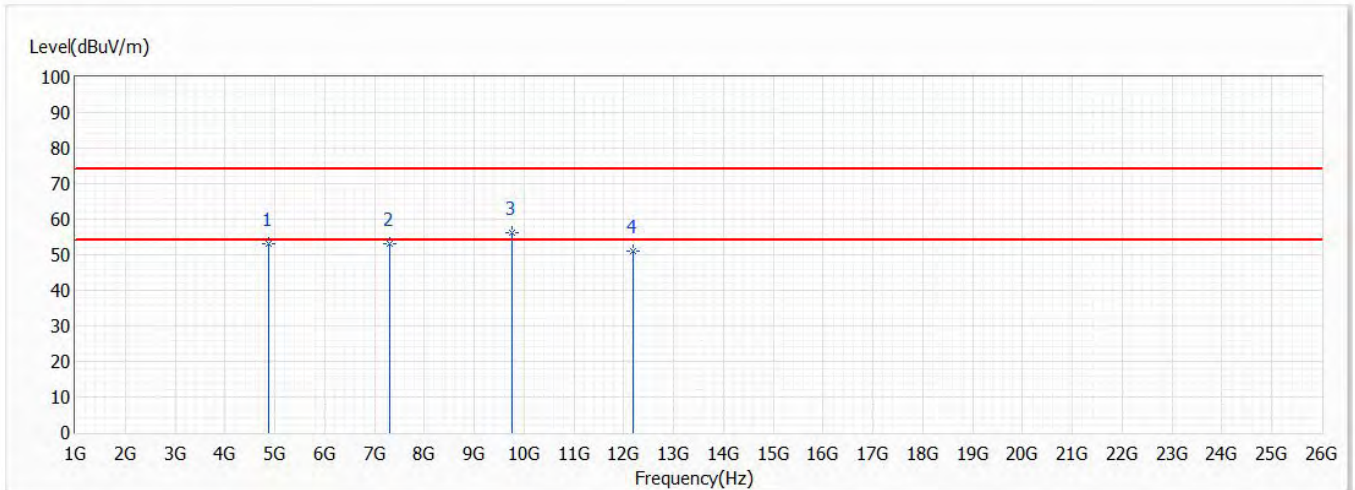


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	4824.000	52.07	74.00	-21.93	64.05	-11.98	PK
2	7236.000	52.89	74.00	-21.11	57.49	-4.60	PK
* 3	9648.000	55.92	74.00	-18.08	57.23	-1.31	PK
4	12060.000	48.92	74.00	-25.08	46.17	2.75	PK

Note:

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

Model No	AP-200AC	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/4/22
Test Mode	Mode 1: Non-BF Transmit Power by Adapter	Engineer	Ling Chen
Polarity	Horizontal	Temperature (°C)	25.7
Test Condition	802.11n,Ant0+1,Ch 6,2.437G,BW20M	Humidity (%RH)	61.0

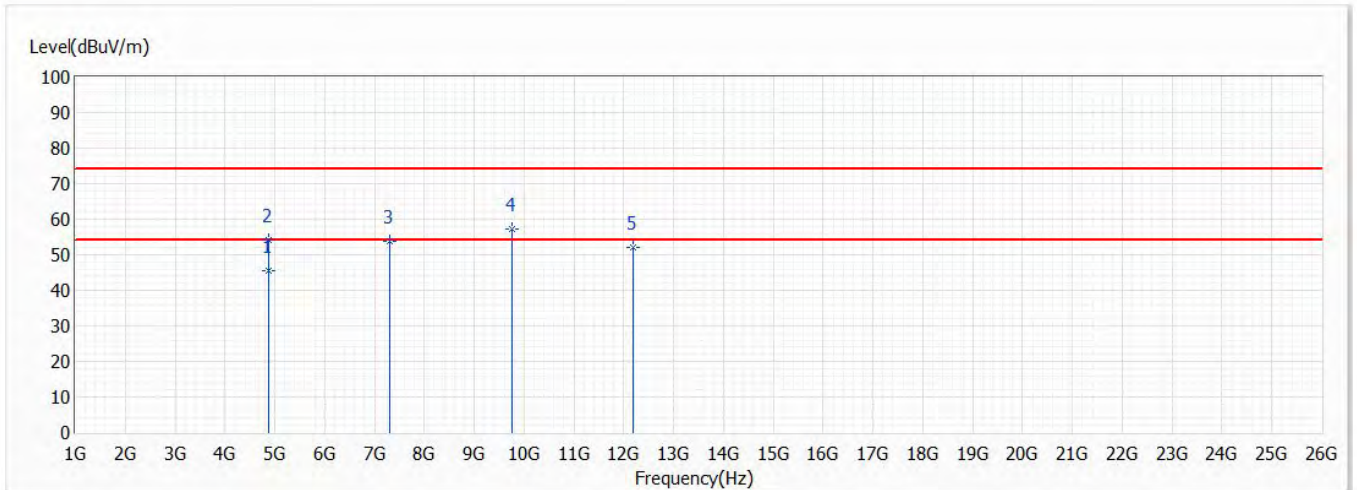


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	4874.000	53.26	74.00	-20.74	65.10	-11.84	PK
2	7311.000	53.21	74.00	-20.79	57.59	-4.38	PK
* 3	9748.000	56.37	74.00	-17.63	57.64	-1.27	PK
4	12185.000	50.88	74.00	-23.12	48.28	2.60	PK

Note:

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

Model No	AP-200AC	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/4/22
Test Mode	Mode 1: Non-BF Transmit Power by Adapter	Engineer	Ling Chen
Polarity	Vertical	Temperature (°C)	25.7
Test Condition	802.11n,Ant0+1,Ch 6,2.437G,BW20M	Humidity (%RH)	61.0

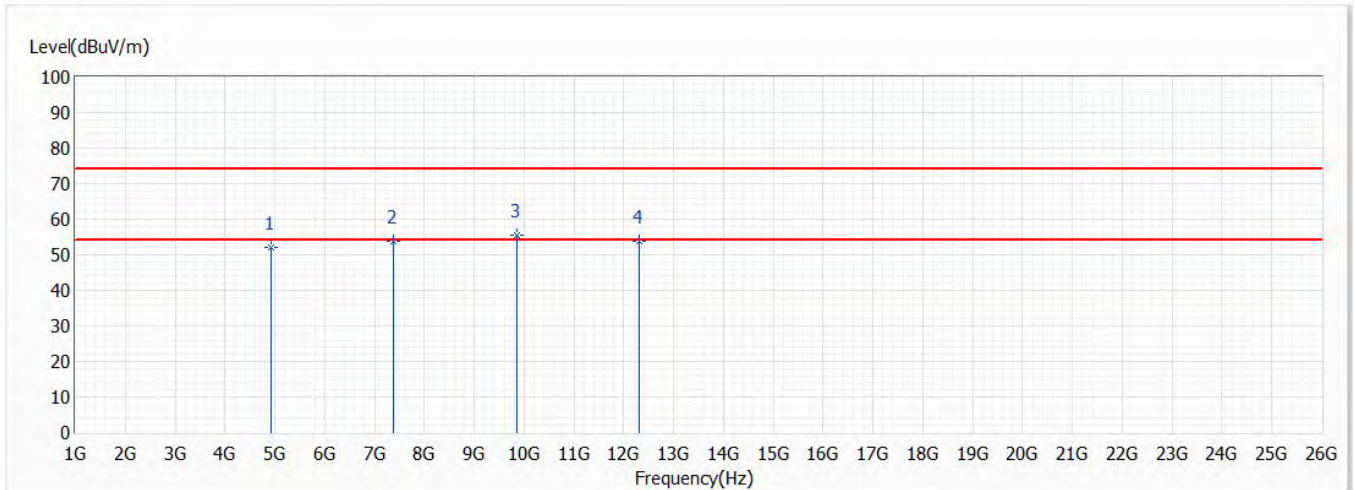


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	4874.000	45.55	54.00	-8.45	57.39	-11.84	AV
2	4874.000	54.04	74.00	-19.96	65.88	-11.84	PK
3	7311.000	53.76	74.00	-20.24	58.14	-4.38	PK
4	9748.000	57.22	74.00	-16.78	58.49	-1.27	PK
5	12185.000	51.94	74.00	-22.06	49.34	2.60	PK

Note:

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

Model No	AP-200AC	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/4/22
Test Mode	Mode 1: Non-BF Transmit Power by Adapter	Engineer	Ling Chen
Polarity	Horizontal	Temperature (°C)	25.7
Test Condition	802.11n,Ant0+1,Ch 11,2.462G,BW20M	Humidity (%RH)	61.0

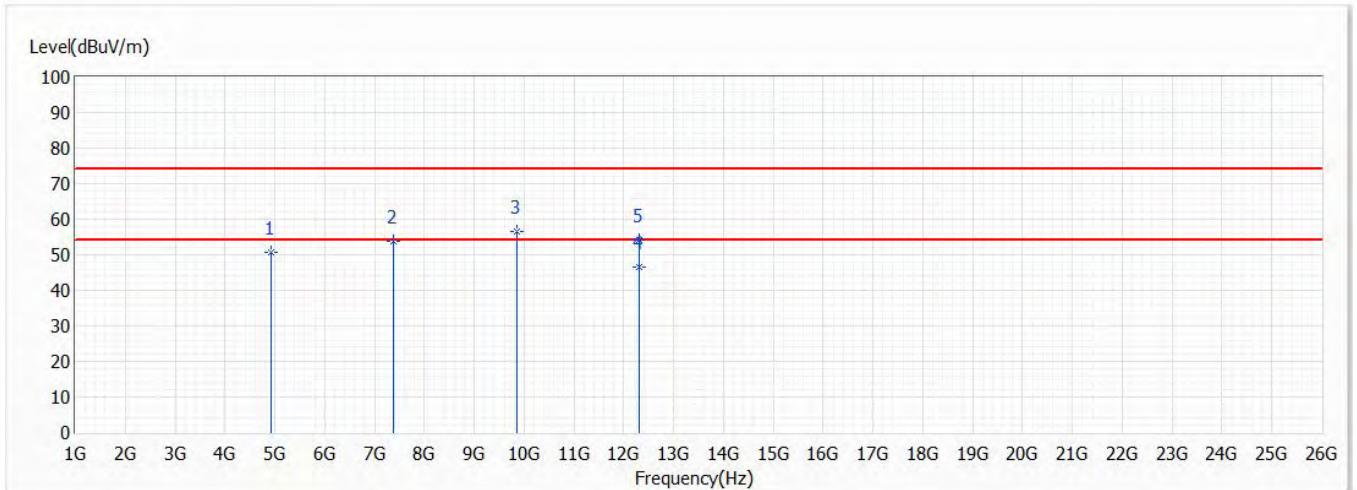


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	4924.000	52.13	74.00	-21.87	63.83	-11.70	PK
2	7386.000	53.72	74.00	-20.28	57.89	-4.17	PK
* 3	9848.000	55.66	74.00	-18.34	56.88	-1.22	PK
4	12310.000	53.95	74.00	-20.05	51.49	2.46	PK

Note:

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

Model No	AP-200AC	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/4/22
Test Mode	Mode 1: Non-BF Transmit Power by Adapter	Engineer	Ling Chen
Polarity	Vertical	Temperature (°C)	25.7
Test Condition	802.11n,Ant0+1,Ch 11,2.462G,BW20M	Humidity (%RH)	61.0

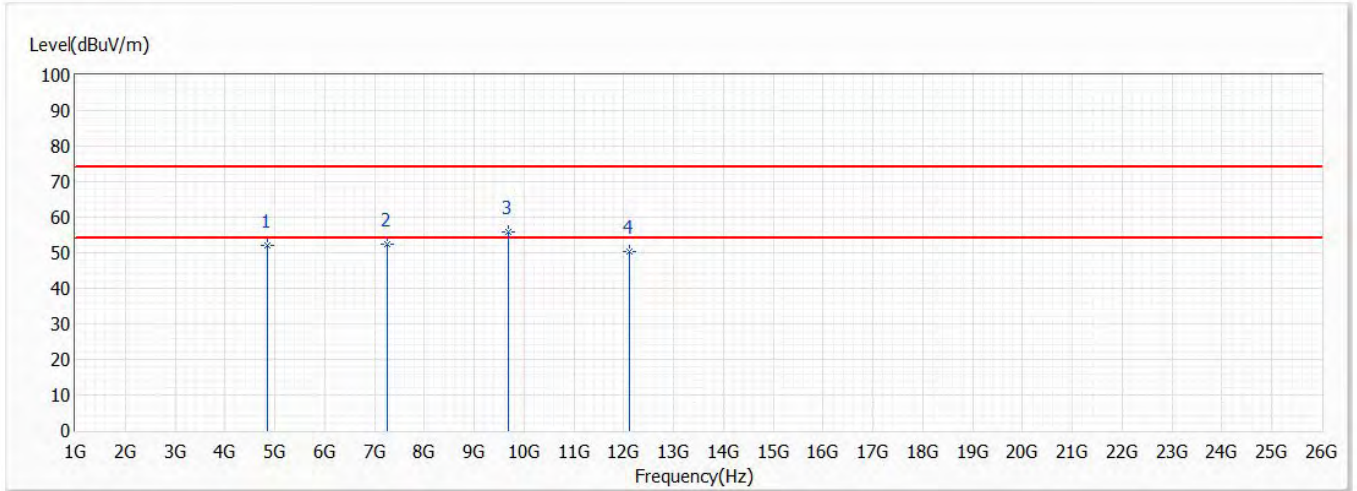


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	4924.000	50.69	74.00	-23.31	62.39	-11.70	PK
2	7386.000	53.89	74.00	-20.11	58.06	-4.17	PK
3	9848.000	56.42	74.00	-17.58	57.64	-1.22	PK
* 4	12310.000	46.67	54.00	-7.33	44.21	2.46	AV
5	12310.000	54.23	74.00	-19.77	51.77	2.46	PK

Note:

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

Model No	AP-200AC	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/4/22
Test Mode	Mode 1: Non-BF Transmit Power by Adapter	Engineer	Ling Chen
Polarity	Horizontal	Temperature (°C)	25.7
Test Condition	802.11n,Ant0+1,Ch 3,2.422G,BW40M	Humidity (%RH)	61.0

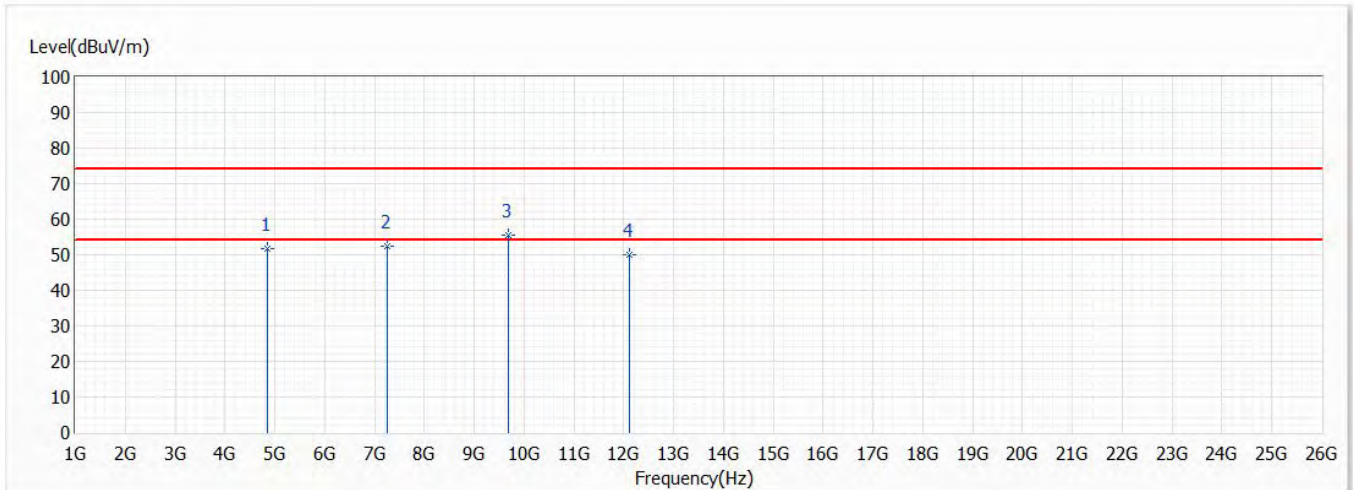


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	4844.000	51.95	74.00	-22.05	63.88	-11.93	PK
2	7266.000	52.26	74.00	-21.74	56.77	-4.51	PK
* 3	9688.000	55.78	74.00	-18.22	57.08	-1.30	PK
4	12110.000	50.18	74.00	-23.82	47.50	2.68	PK

Note:

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

Model No	AP-200AC	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/4/22
Test Mode	Mode 1: Non-BF Transmit Power by Adapter	Engineer	Ling Chen
Polarity	Vertical	Temperature (°C)	25.7
Test Condition	802.11n,Ant0+1,Ch 3,2.422G,BW40M	Humidity (%RH)	61.0

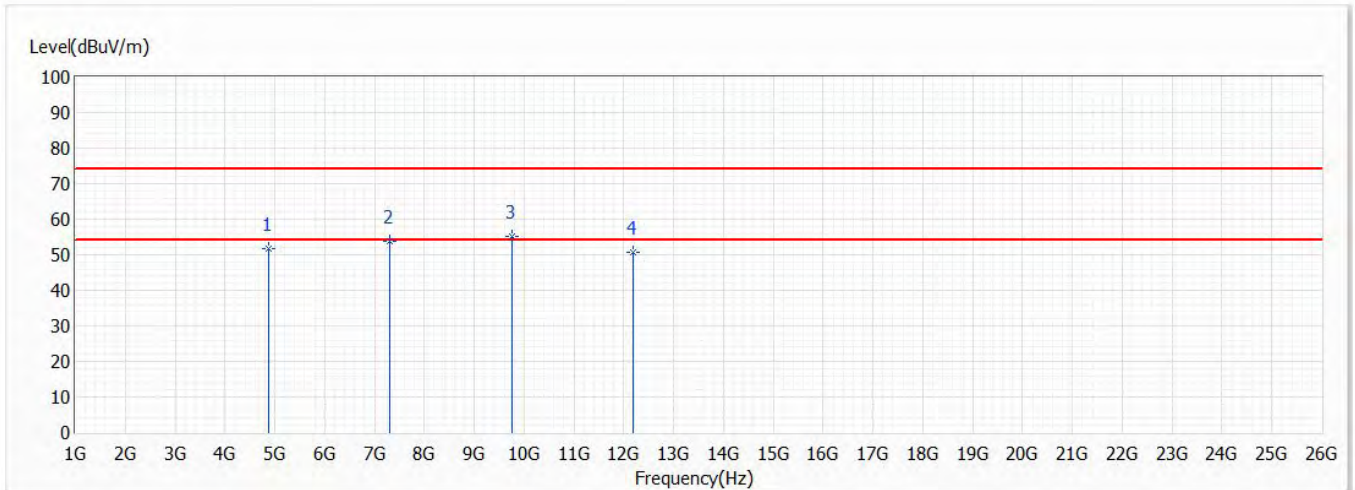


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	4844.000	51.87	74.00	-22.13	63.80	-11.93	PK
2	7266.000	52.53	74.00	-21.47	57.04	-4.51	PK
* 3	9688.000	55.62	74.00	-18.38	56.92	-1.30	PK
4	12110.000	49.86	74.00	-24.14	47.18	2.68	PK

Note:

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

Model No	AP-200AC	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/4/22
Test Mode	Mode 1: Non-BF Transmit Power by Adapter	Engineer	Ling Chen
Polarity	Horizontal	Temperature (°C)	25.7
Test Condition	802.11n,Ant0+1,Ch 6,2.437G,BW40M	Humidity (%RH)	61.0

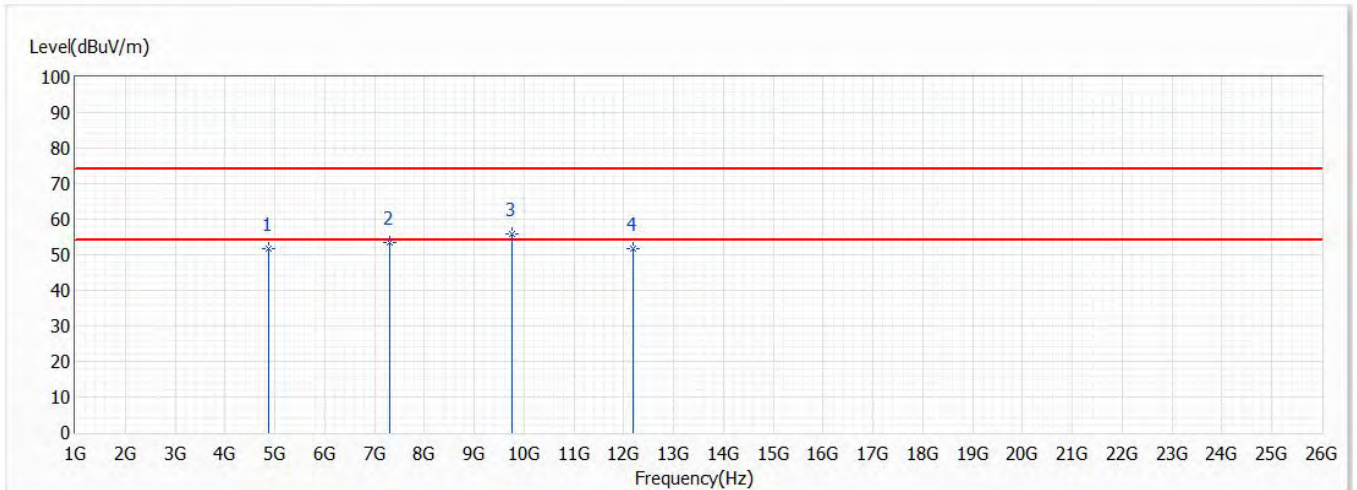


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	4874.000	51.86	74.00	-22.14	63.70	-11.84	PK
2	7311.000	53.81	74.00	-20.19	58.19	-4.38	PK
* 3	9748.000	55.34	74.00	-18.66	56.61	-1.27	PK
4	12185.000	50.67	74.00	-23.33	48.07	2.60	PK

Note:

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

Model No	AP-200AC	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/4/22
Test Mode	Mode 1: Non-BF Transmit Power by Adapter	Engineer	Ling Chen
Polarity	Vertical	Temperature (°C)	25.7
Test Condition	802.11n,Ant0+1,Ch 6,2.437G,BW40M	Humidity (%RH)	61.0

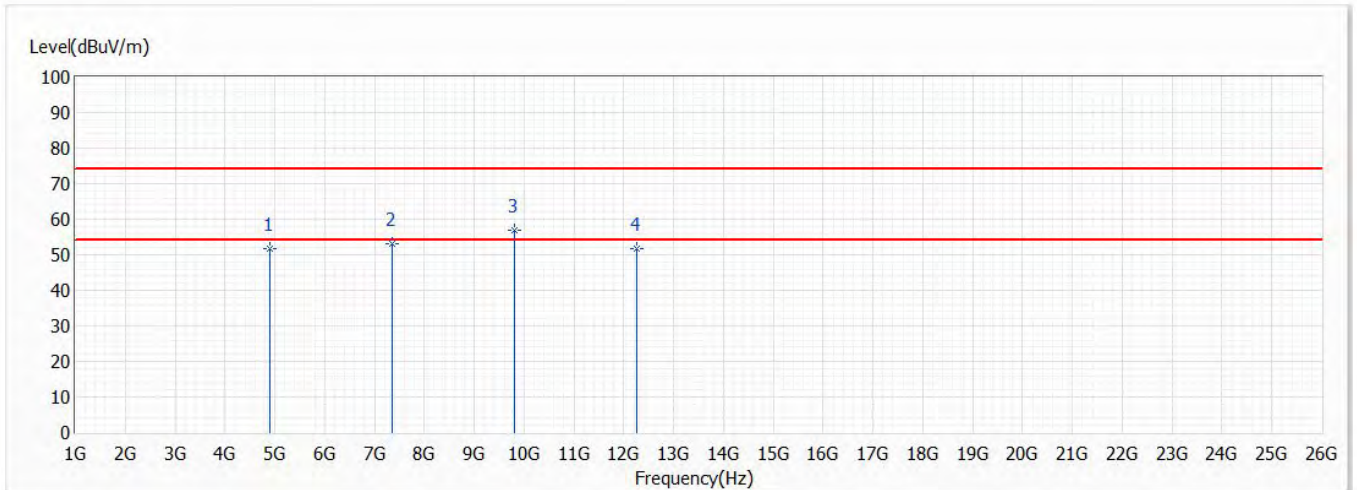


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	4874.000	51.65	74.00	-22.35	63.49	-11.84	PK
2	7311.000	53.37	74.00	-20.63	57.75	-4.38	PK
* 3	9748.000	55.92	74.00	-18.08	57.19	-1.27	PK
4	12185.000	51.65	74.00	-22.35	49.05	2.60	PK

Note:

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

Model No	AP-200AC	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/4/22
Test Mode	Mode 1: Non-BF Transmit Power by Adapter	Engineer	Ling Chen
Polarity	Horizontal	Temperature (°C)	25.7
Test Condition	802.11n,Ant0+1,Ch 9,2.452G,BW40M	Humidity (%RH)	61.0

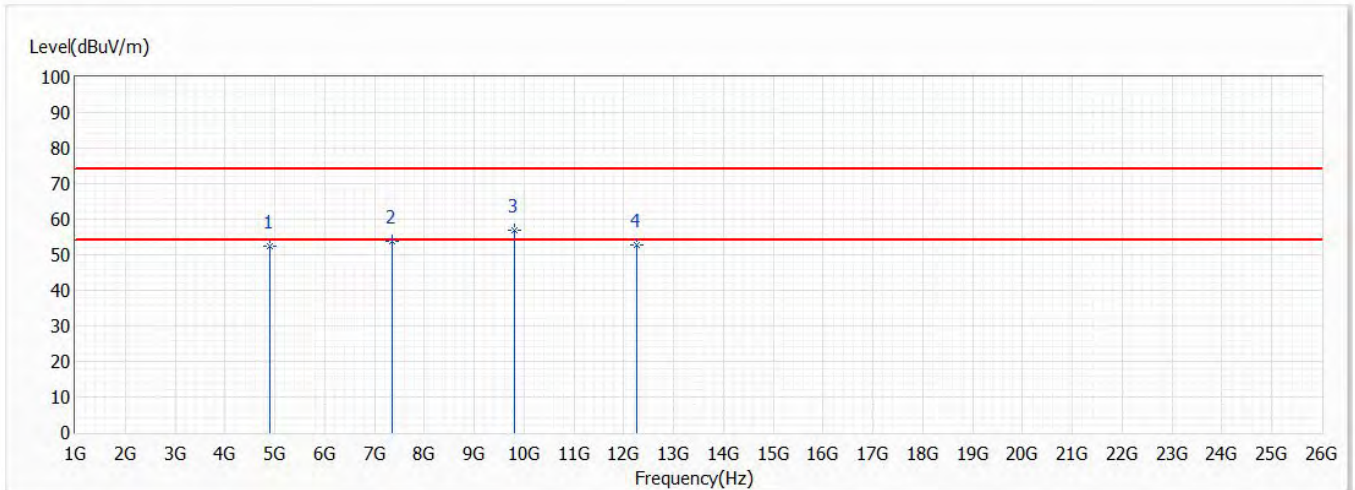


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	4904.000	51.76	74.00	-22.24	63.52	-11.76	PK
2	7356.000	53.25	74.00	-20.75	57.50	-4.25	PK
* 3	9808.000	57.06	74.00	-16.94	58.30	-1.24	PK
4	12260.000	51.76	74.00	-22.24	49.25	2.51	PK

Note:

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

Model No	AP-200AC	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/4/22
Test Mode	Mode 1: Non-BF Transmit Power by Adapter	Engineer	Ling Chen
Polarity	Vertical	Temperature (°C)	25.7
Test Condition	802.11n,Ant0+1,Ch 9,2.452G,BW40M	Humidity (%RH)	61.0



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	4904.000	52.36	74.00	-21.64	64.12	-11.76	PK
2	7356.000	53.89	74.00	-20.11	58.14	-4.25	PK
* 3	9808.000	56.84	74.00	-17.16	58.08	-1.24	PK
4	12260.000	52.83	74.00	-21.17	50.32	2.51	PK

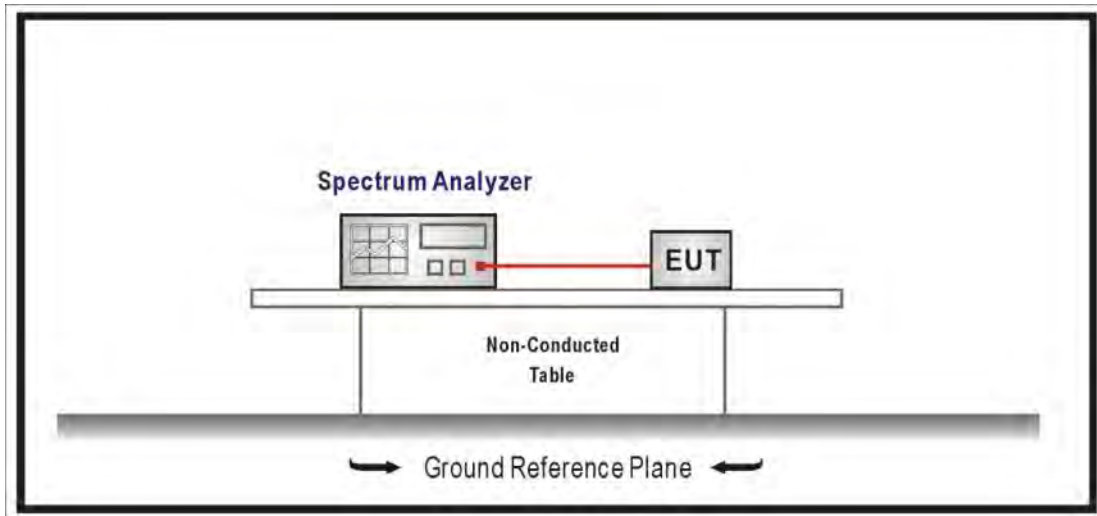
Note:

- 1.All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
- 3.Emission Level = Reading Level + Correct Factor.
- 4.The average measurement was not performed when the peak measured data under the limit of average detection.
- 5.The emission above 13GHz were not included is because their levels are lower than 20dB form 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 section 11.2 of 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

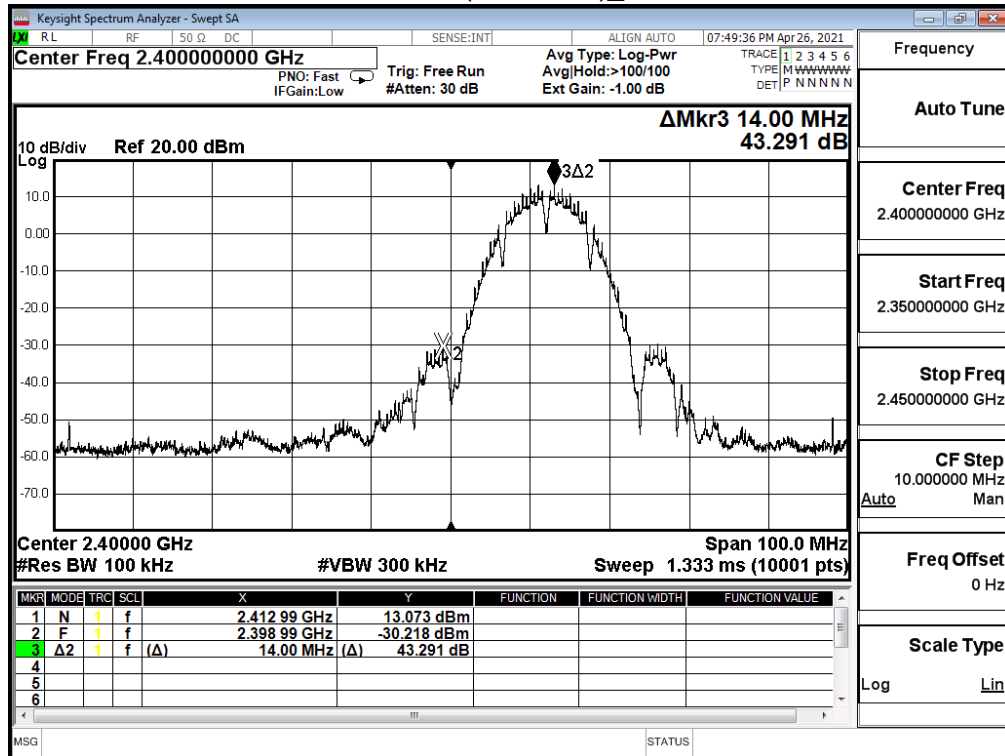
According to FCC Part 15 Subpart C Paragraph 15.247: 2019

5.5. Test Result

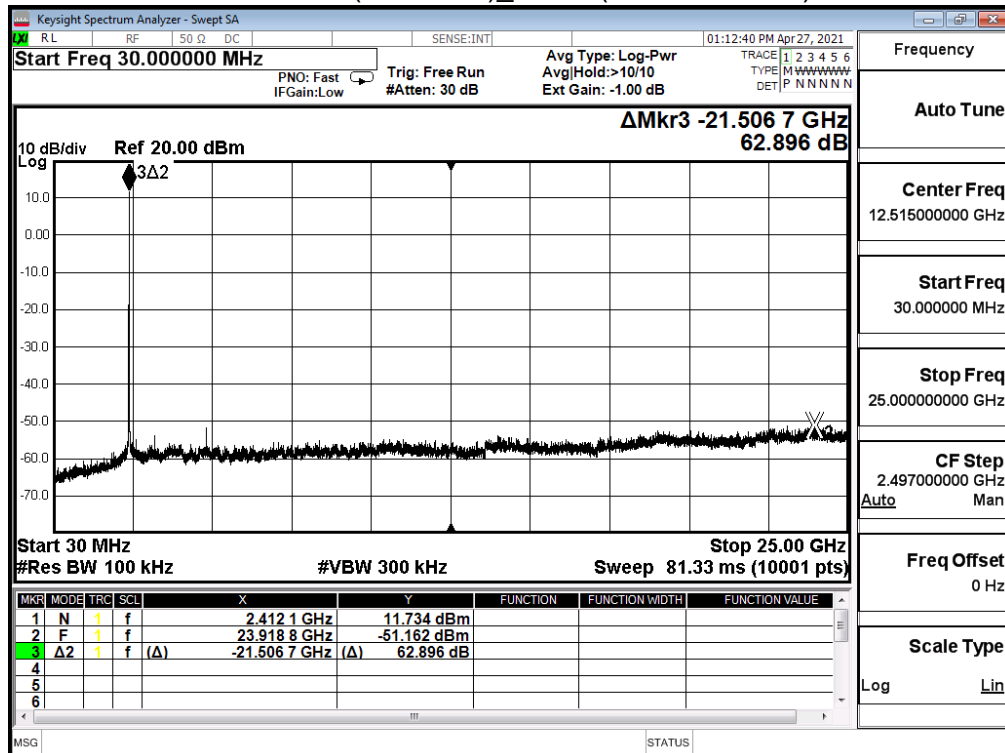
Product	Wireless LAN Access Point		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Non-BF Transmit_ Power by Adapter		
Date of Test	2021/04/26 ~ 2021/04/27	Test Site	SR12-H
Test Temperature	24.0°C	Test Humidity	66.0%

IEEE 802.11b				
Channel	Frequency (MHz)	Measure Level (dBc)		Limit (dBc)
		Ant. 0	Ant. 1	
1	2412	43.291	45.414	≥ 30
6	2437	60.510	61.884	≥ 30
11	2462	59.855	60.273	≥ 30

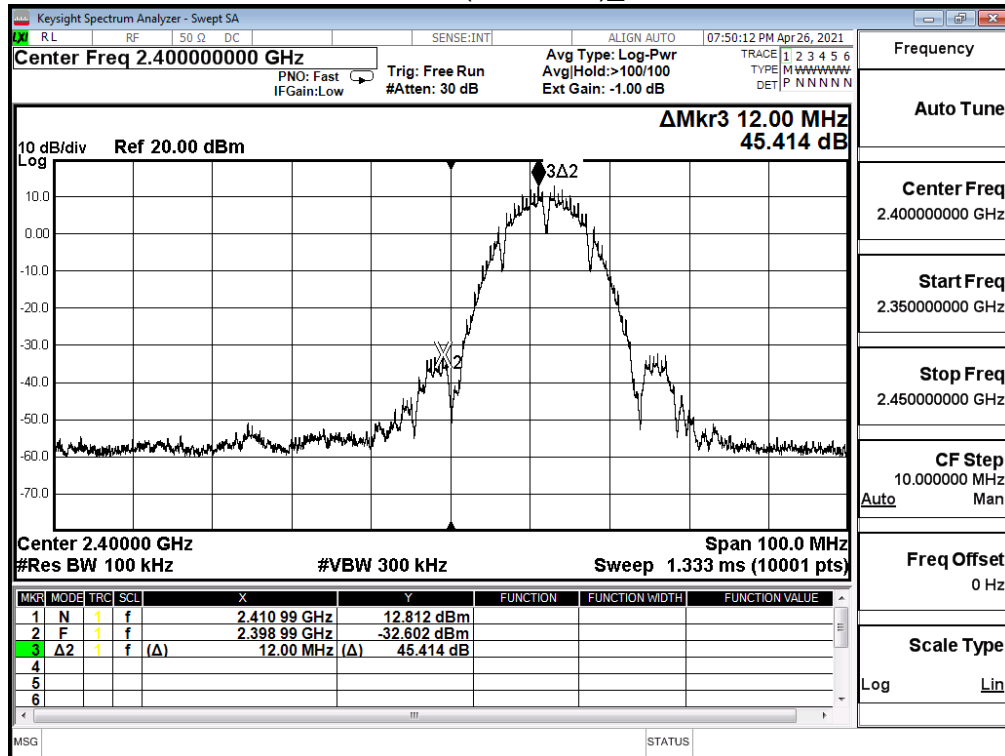
Channel 1 (2412MHz)_Ant. 0



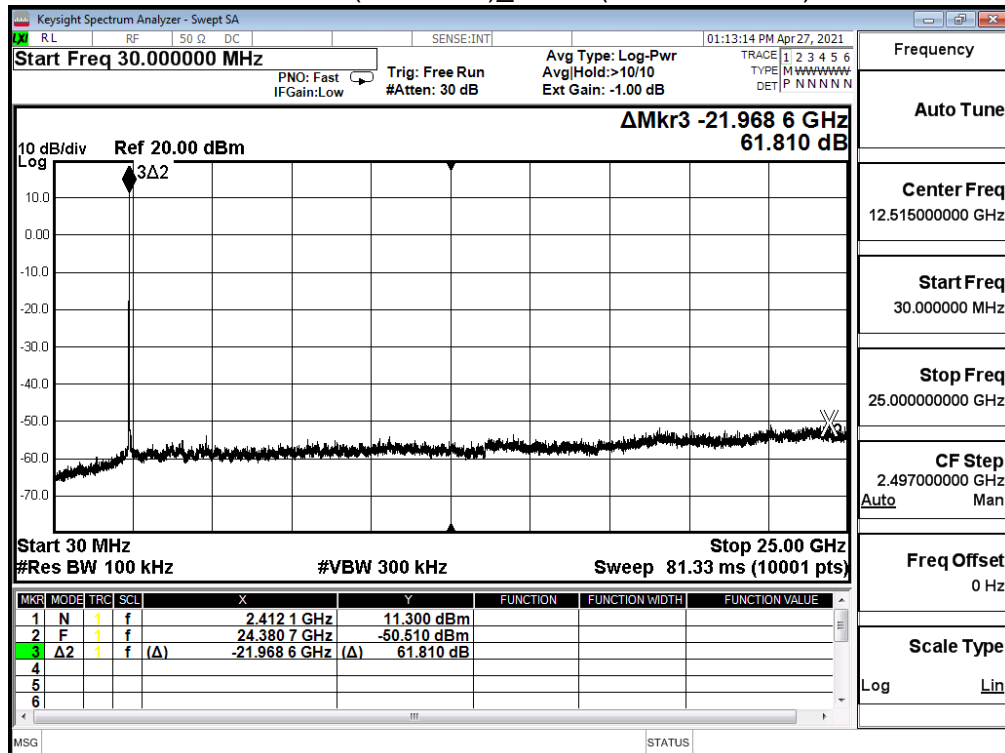
Channel 1 (2412MHz)_Ant. 0 (30MHz-25GHz)



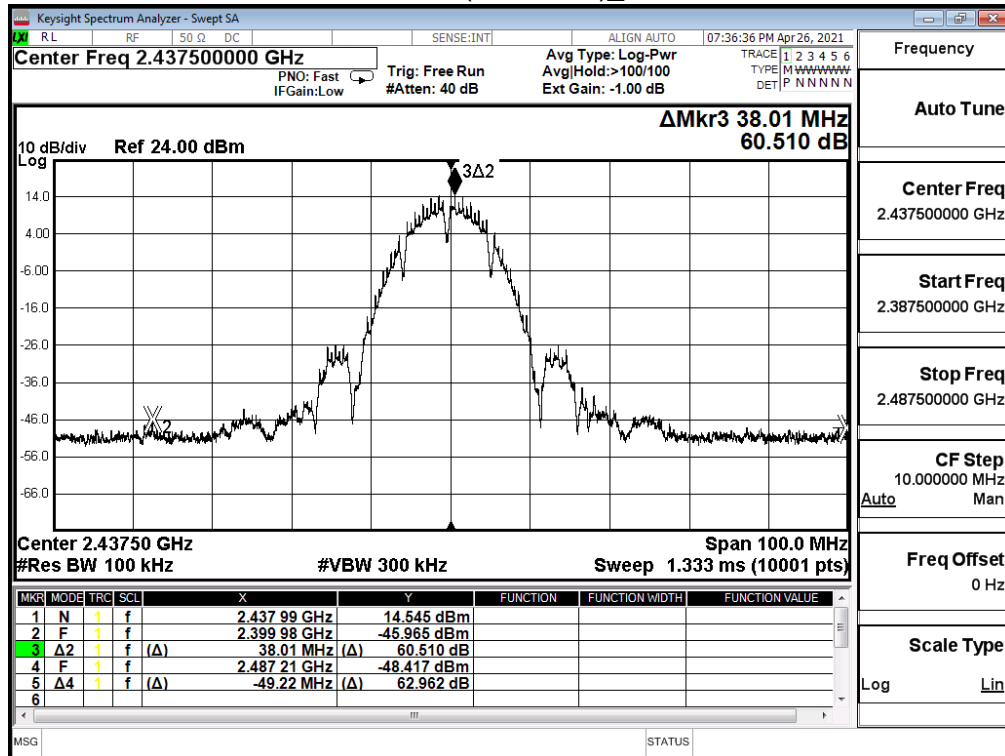
Channel 1 (2412MHz)_Ant. 1



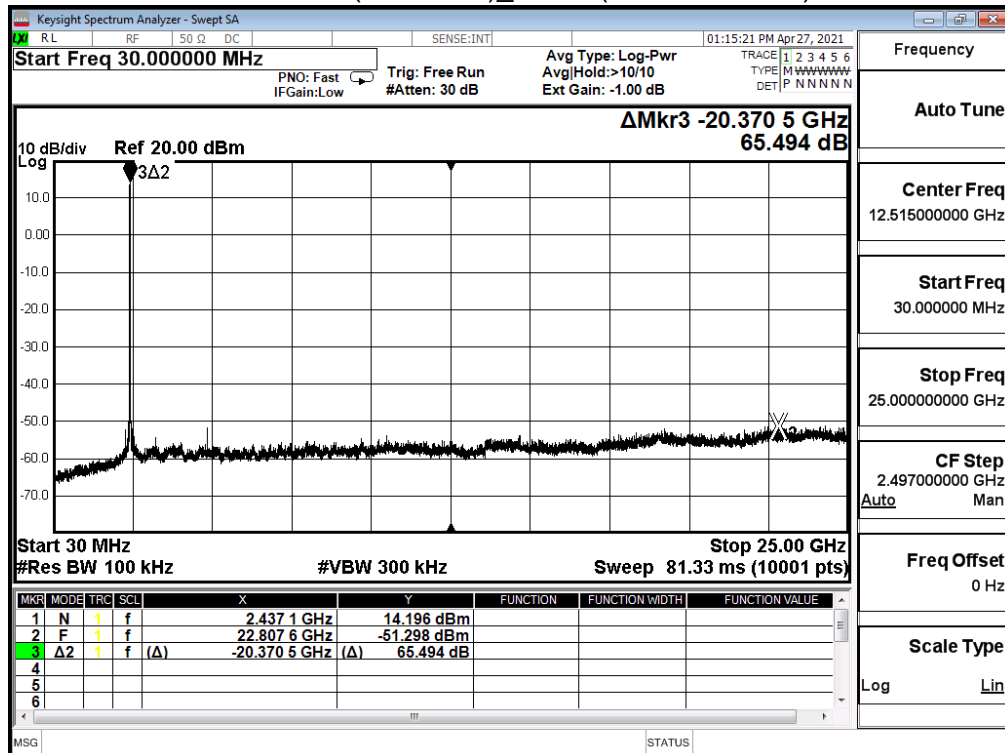
Channel 1 (2412MHz)_Ant. 1 (30MHz-25GHz)



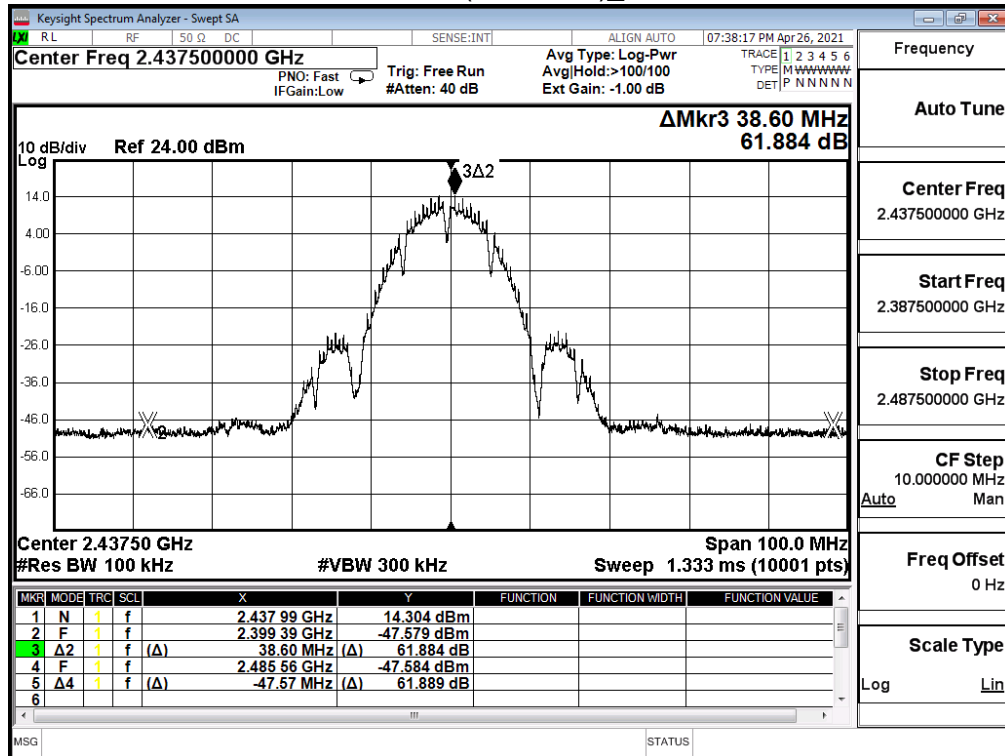
Channel 6 (2437MHz)_Ant. 0



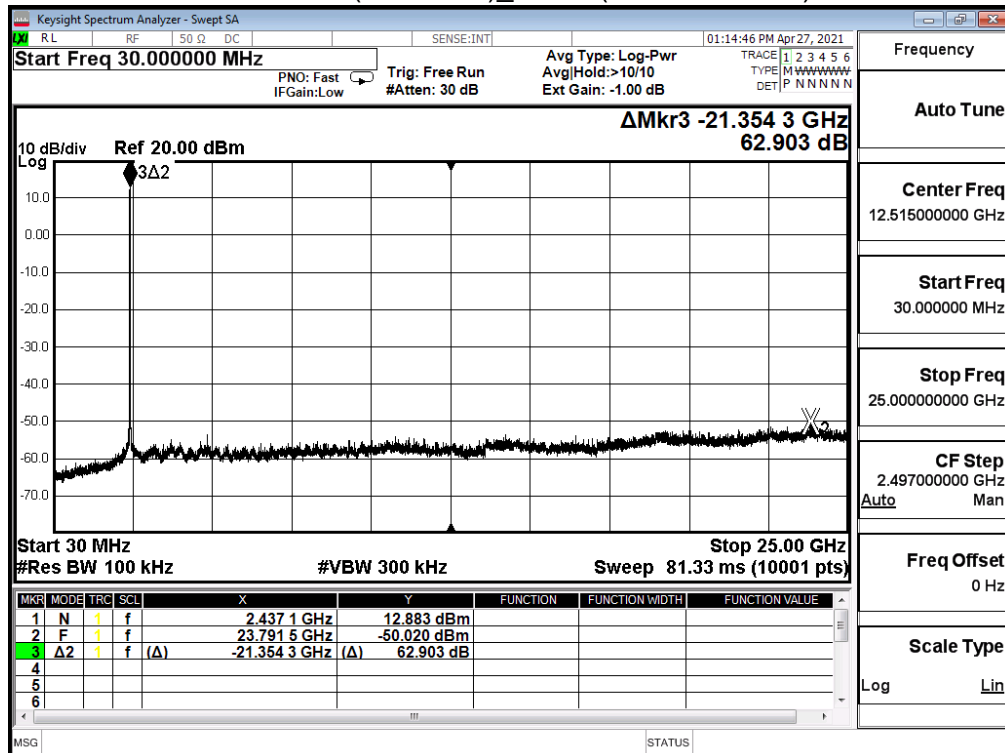
Channel 6 (2437MHz)_Ant. 0 (30MHz-25GHz)



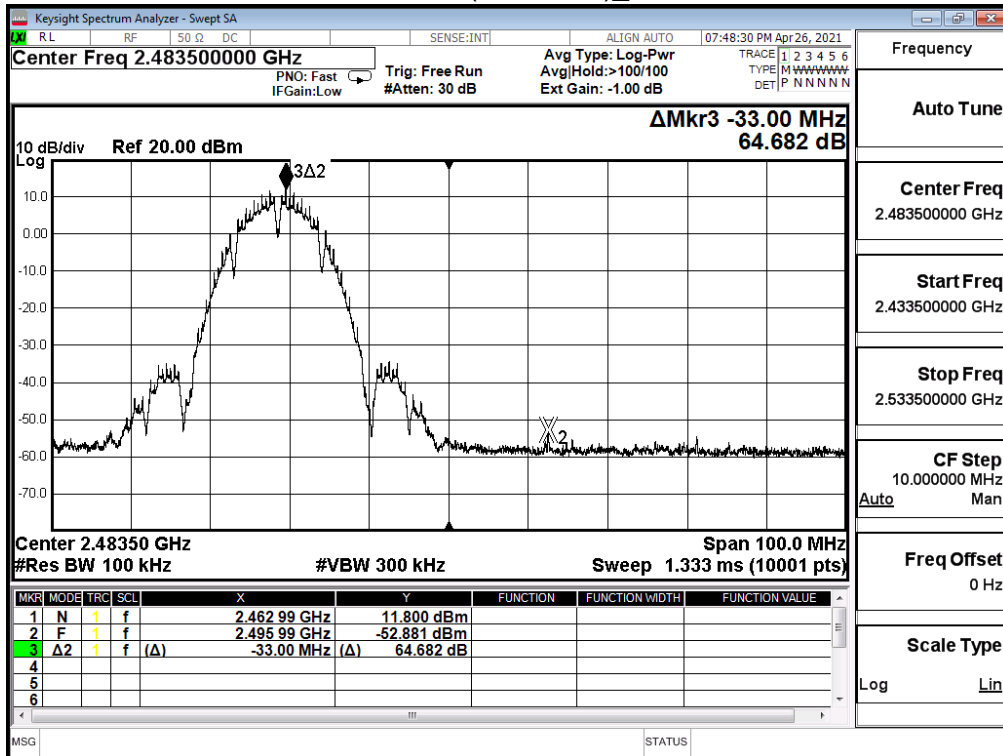
Channel 6 (2437MHz)_Ant. 1



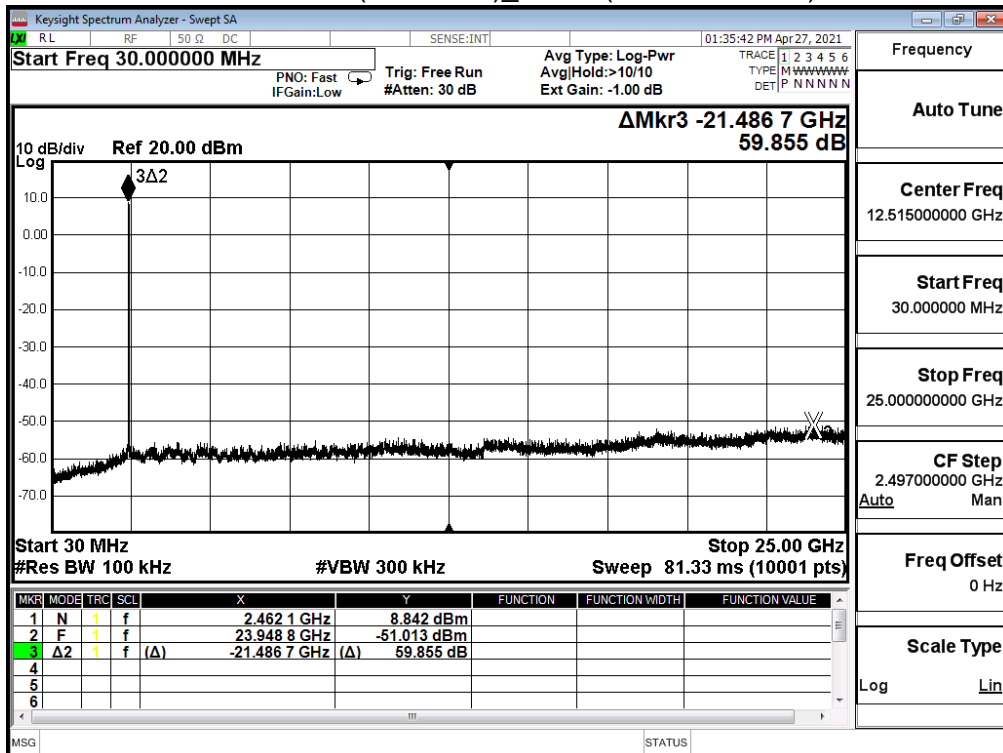
Channel 6 (2437MHz)_Ant. 1 (30MHz-25GHz)



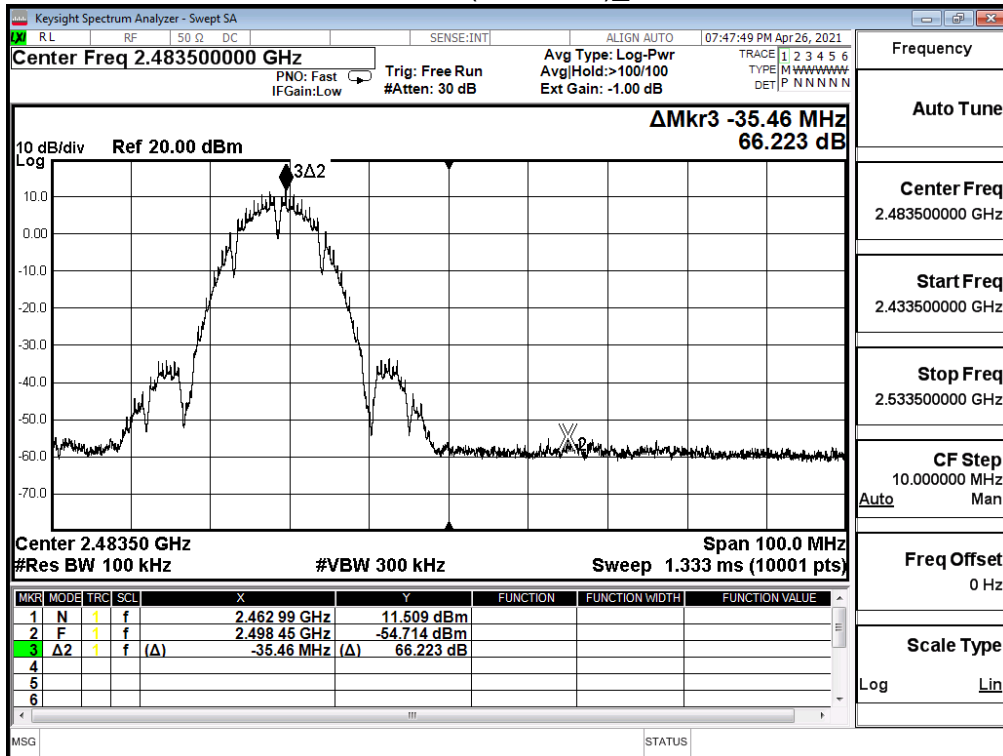
Channel 11 (2462MHz)_Ant. 0



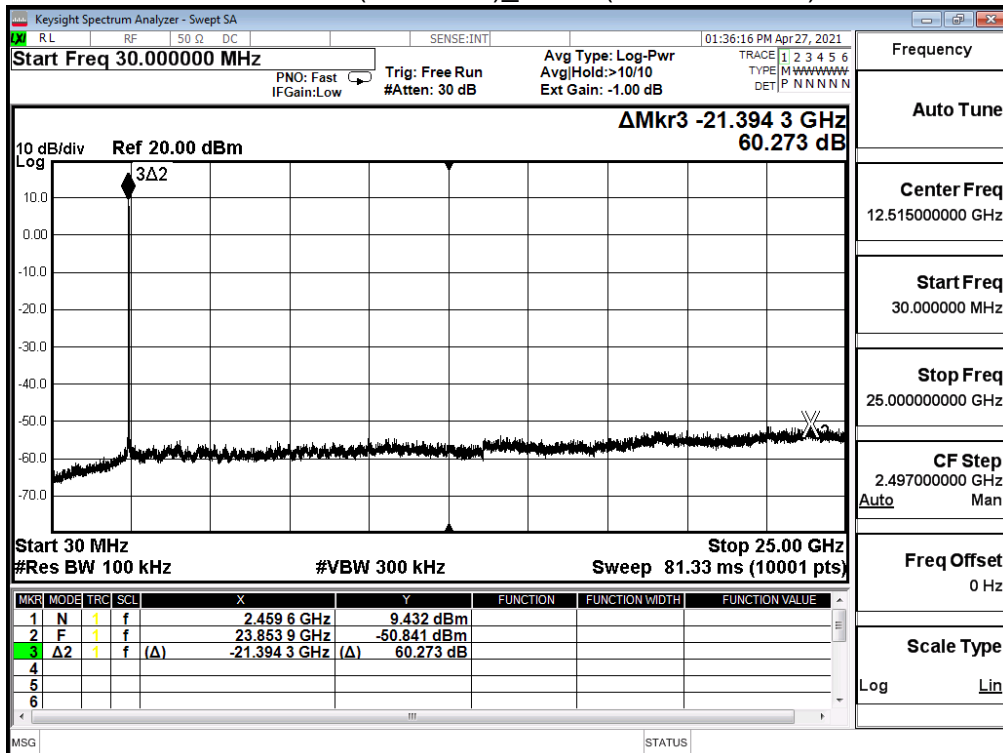
Channel 11 (2462MHz)_Ant. 0 (30MHz-25GHz)



Channel 11 (2462MHz)_Ant. 1



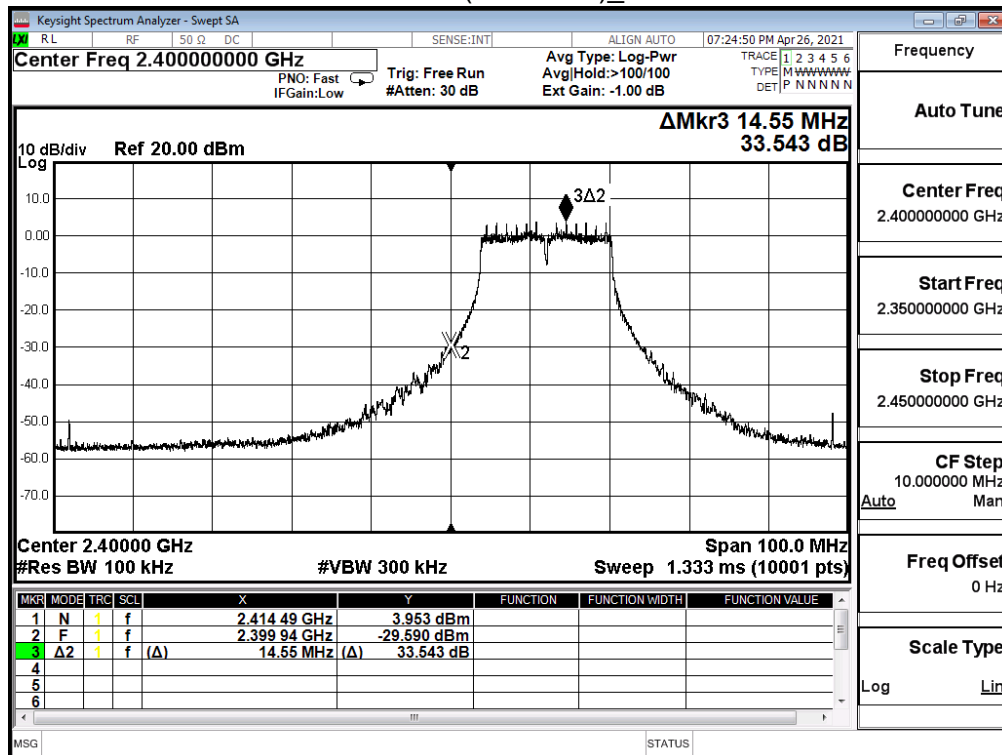
Channel 11 (2462MHz)_Ant. 1 (30MHz-25GHz)



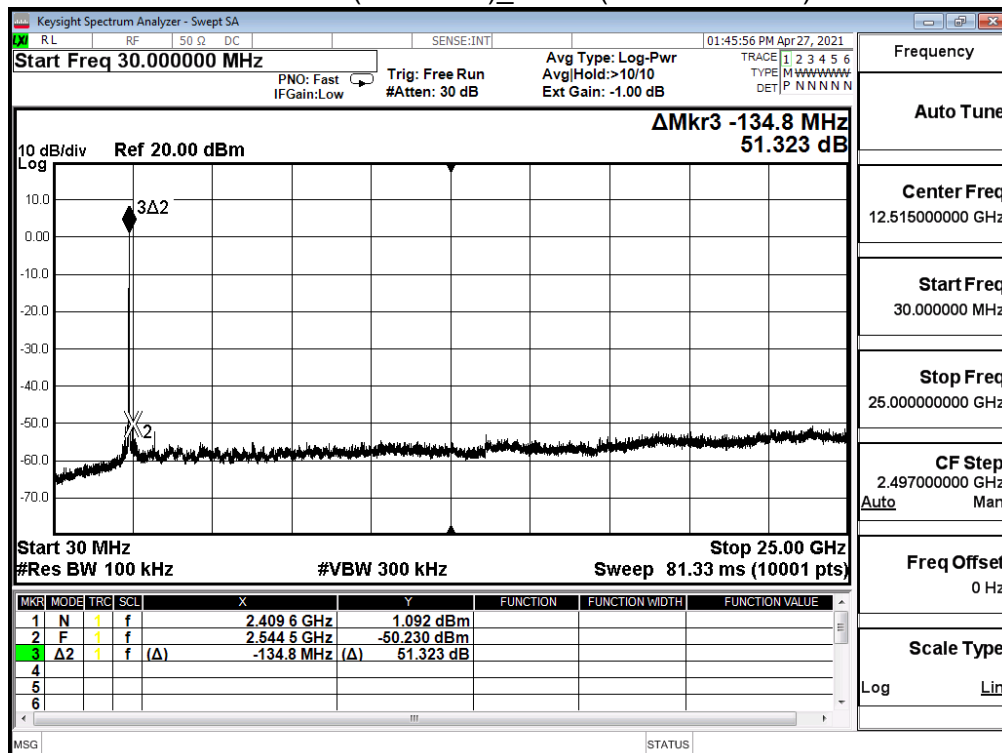
Product	Wireless LAN Access Point		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Non-BF Transmit_ Power by Adapter		
Date of Test	2021/04/26 ~ 2021/04/27	Test Site	SR12-H
Test Temperature	24.0°C	Test Humidity	66.0%

IEEE 802.11g				
Channel	Frequency (MHz)	Measure Level (dBc)		Limit (dBc)
		Ant. 0	Ant. 1	
1	2412	33.543	33.788	≥ 30
6	2437	53.378	55.333	≥ 30
11	2462	50.651	47.448	≥ 30

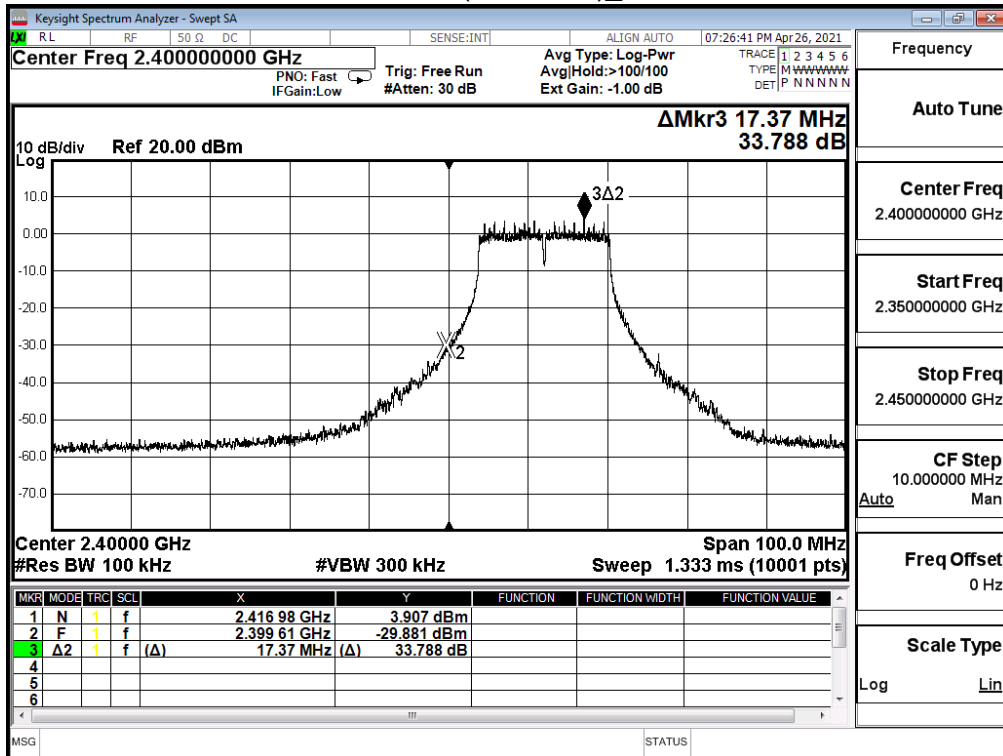
Channel 1 (2412MHz)_Ant. 0



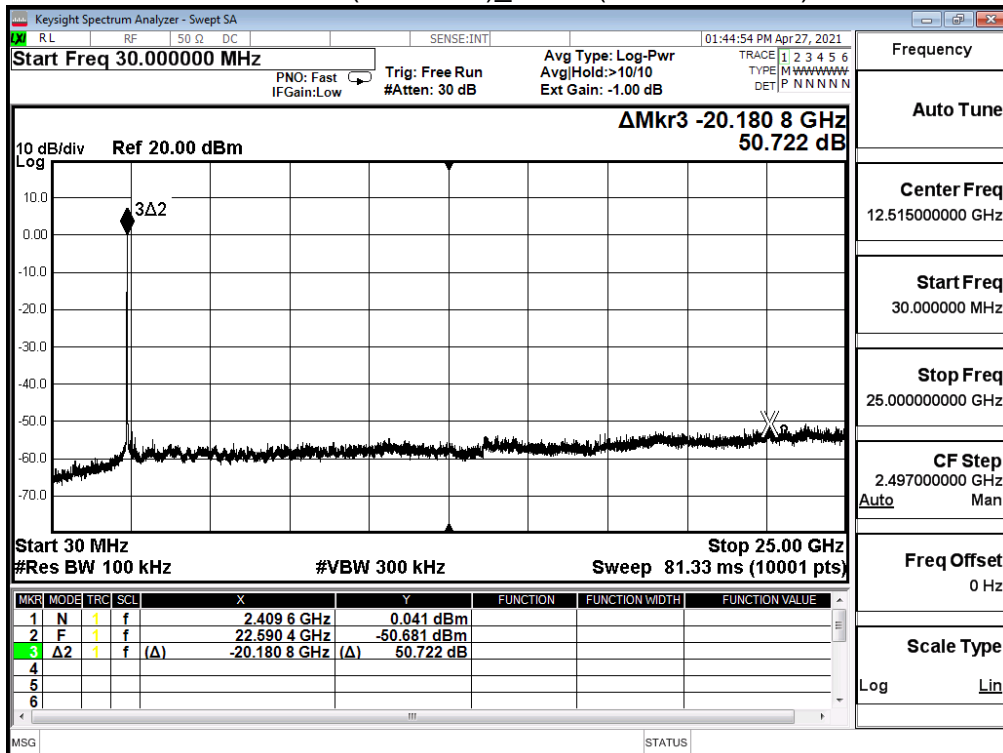
Channel 1 (2412MHz)_Ant. 0 (30MHz-25GHz)



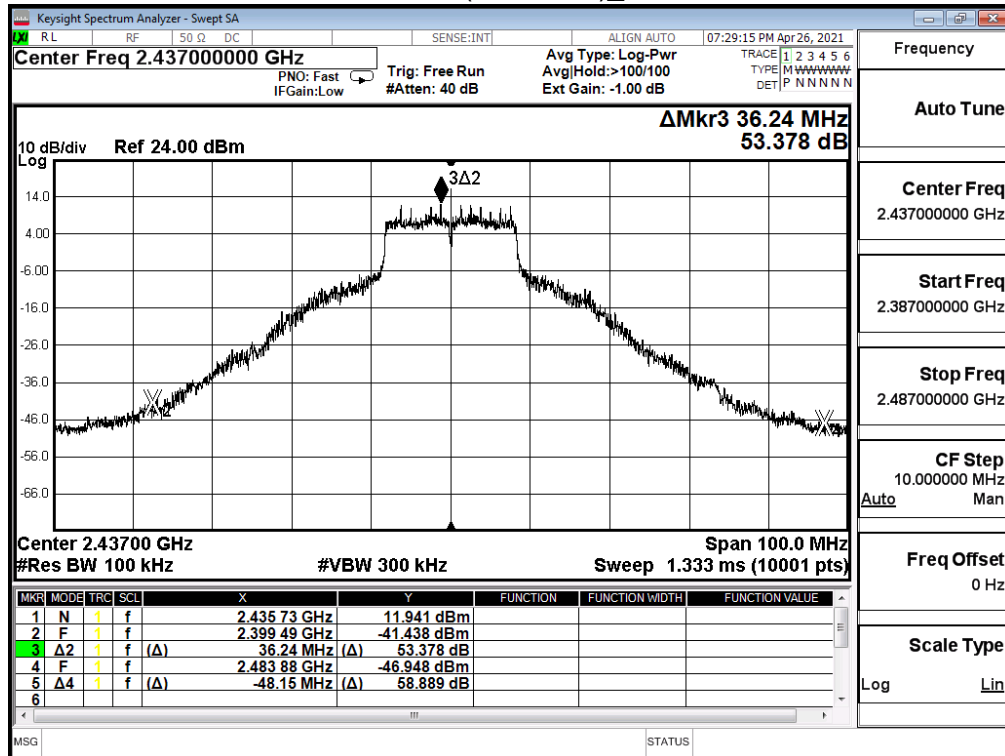
Channel 1 (2412MHz)_Ant. 1



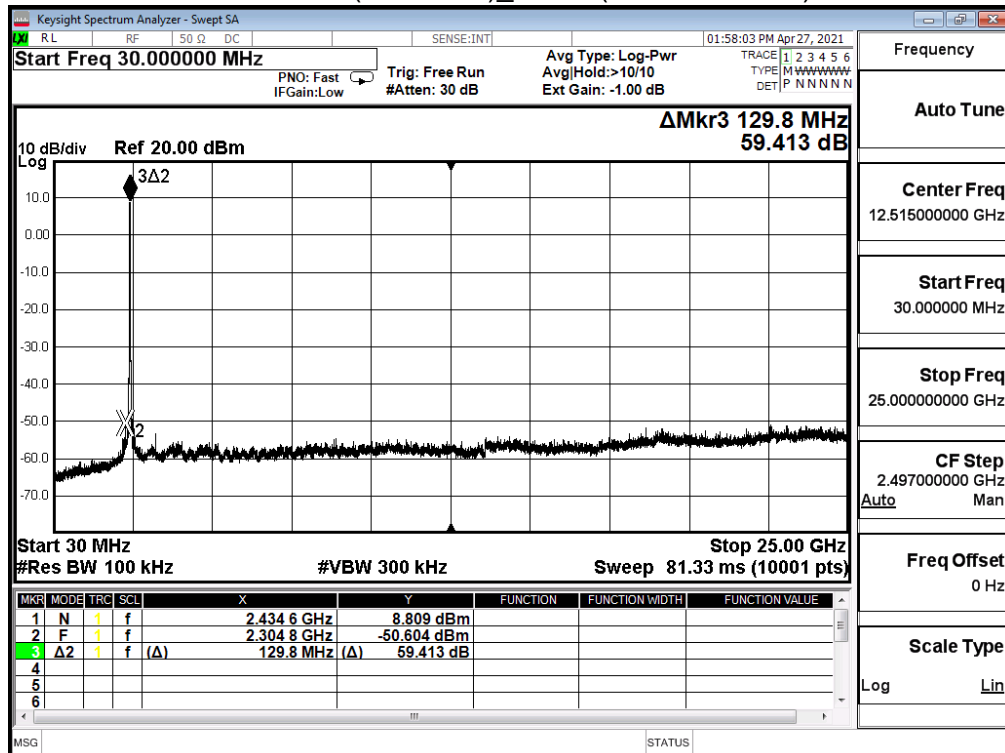
Channel 1 (2412MHz)_Ant. 1 (30MHz-25GHz)



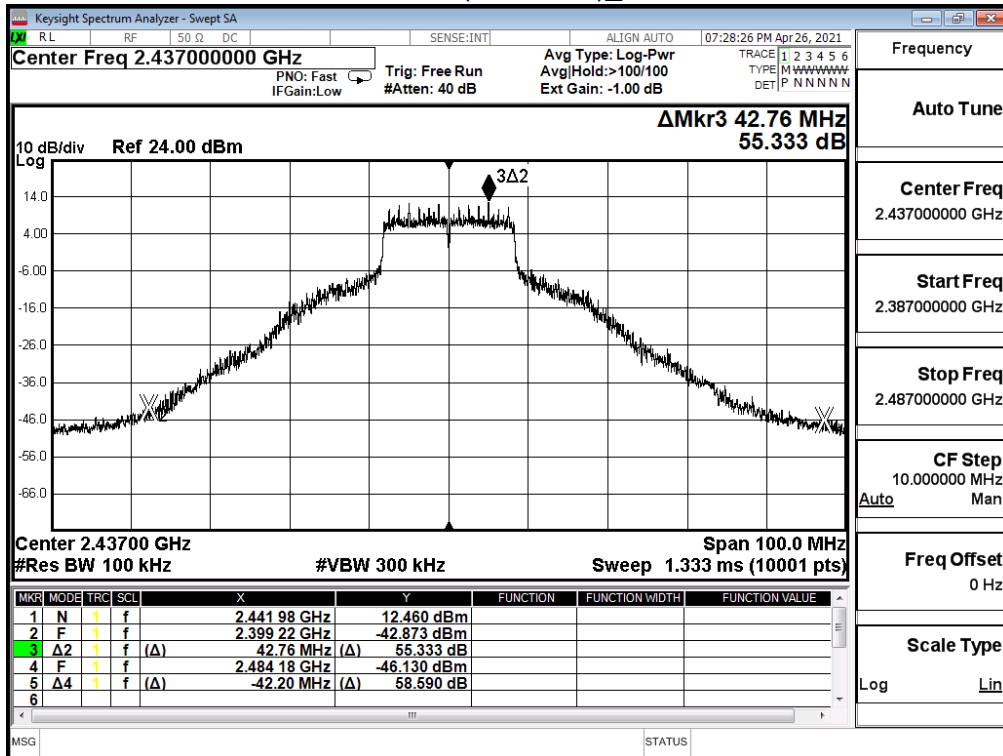
Channel 6 (2437MHz)_Ant. 0



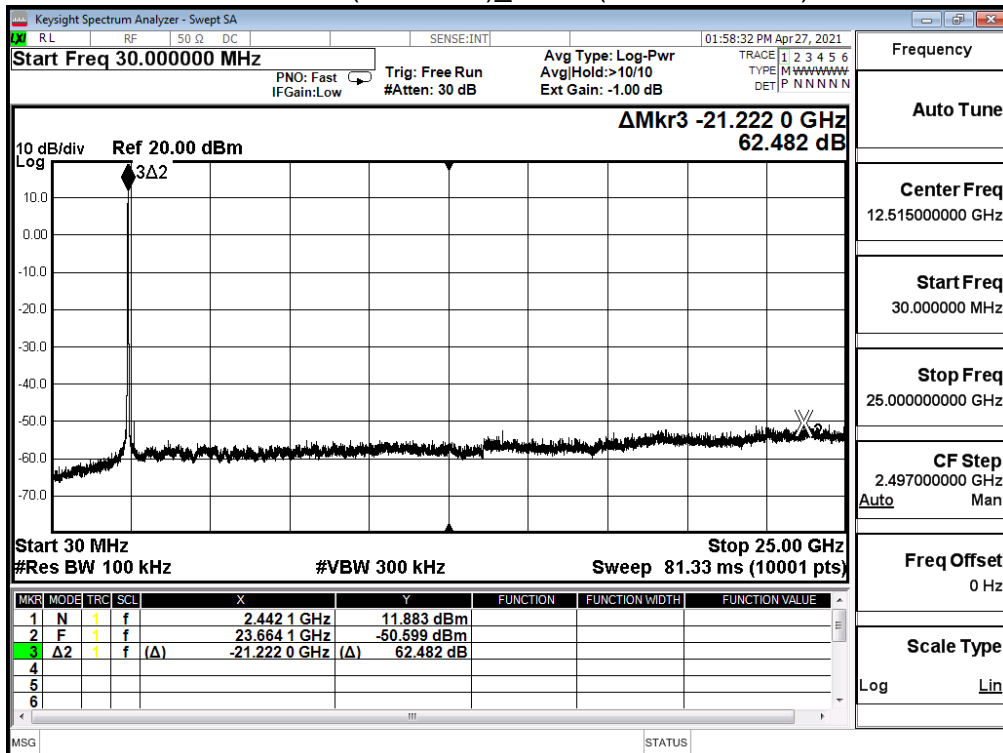
Channel 6 (2437MHz)_Ant. 0 (30MHz-25GHz)



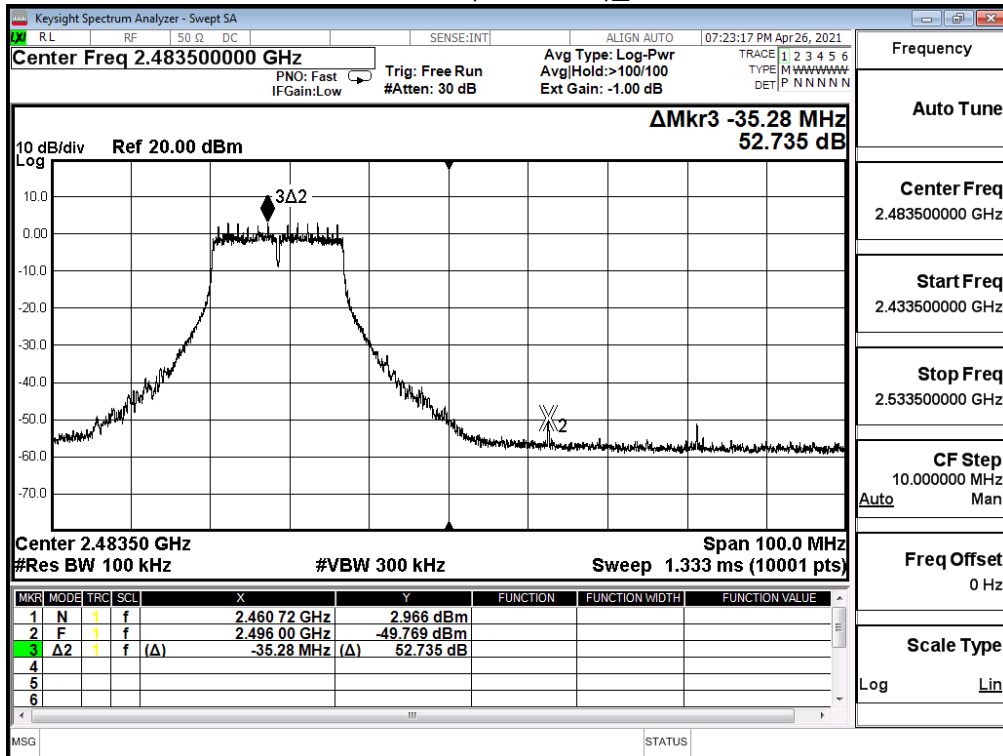
Channel 6 (2437MHz)_Ant. 1



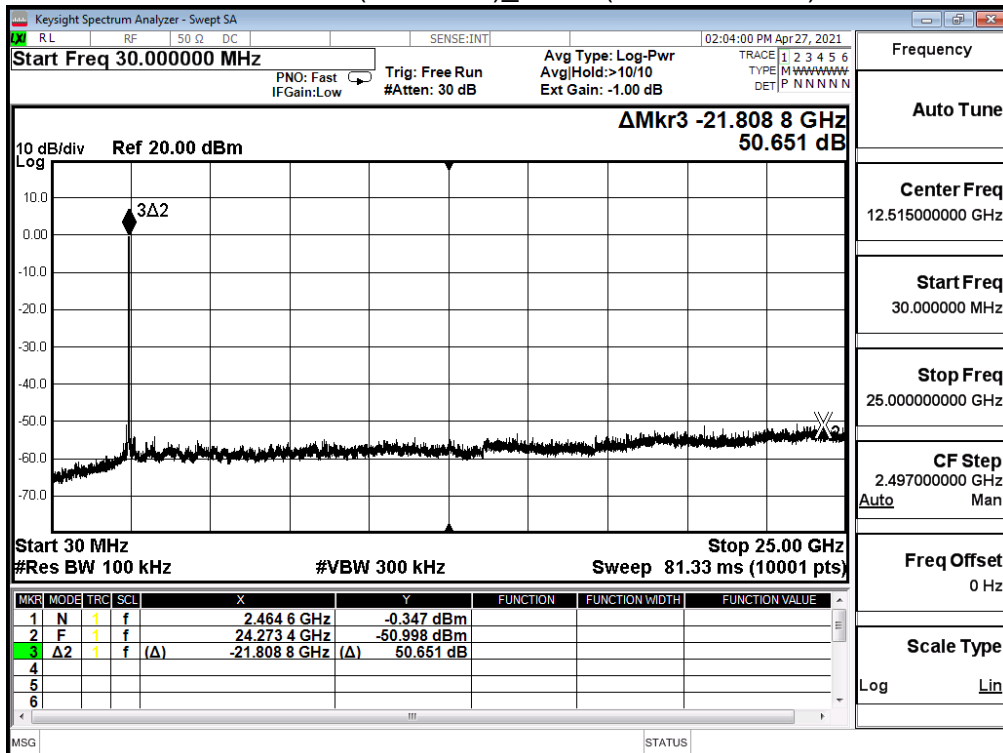
Channel 6 (2437MHz)_Ant. 1 (30MHz-25GHz)



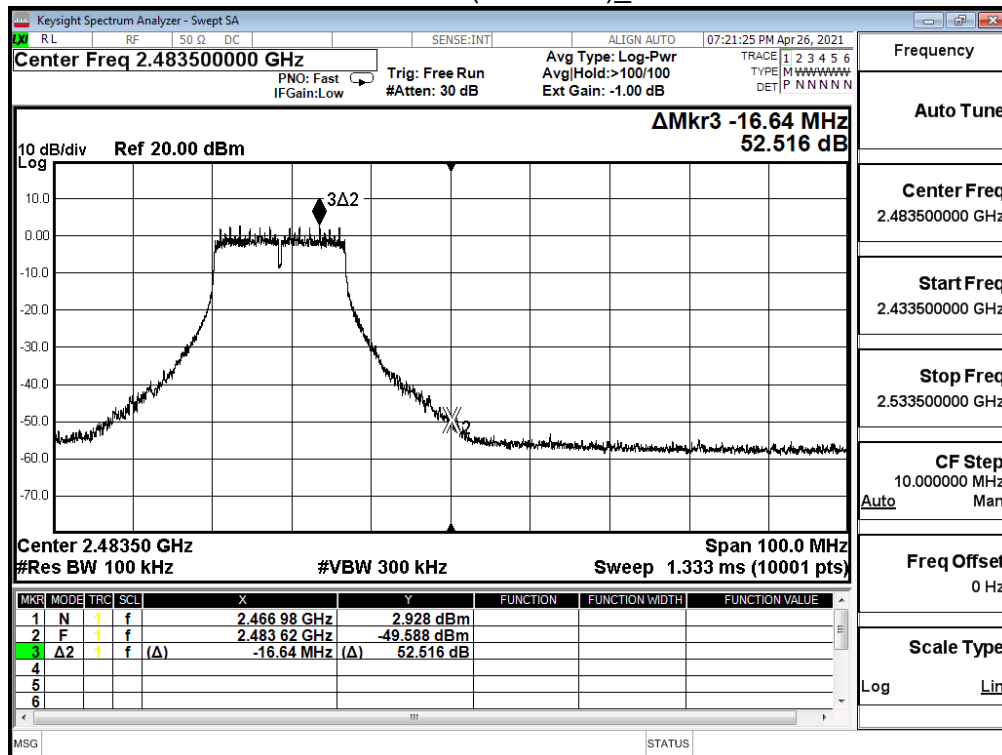
Channel 11 (2462MHz)_Ant. 0



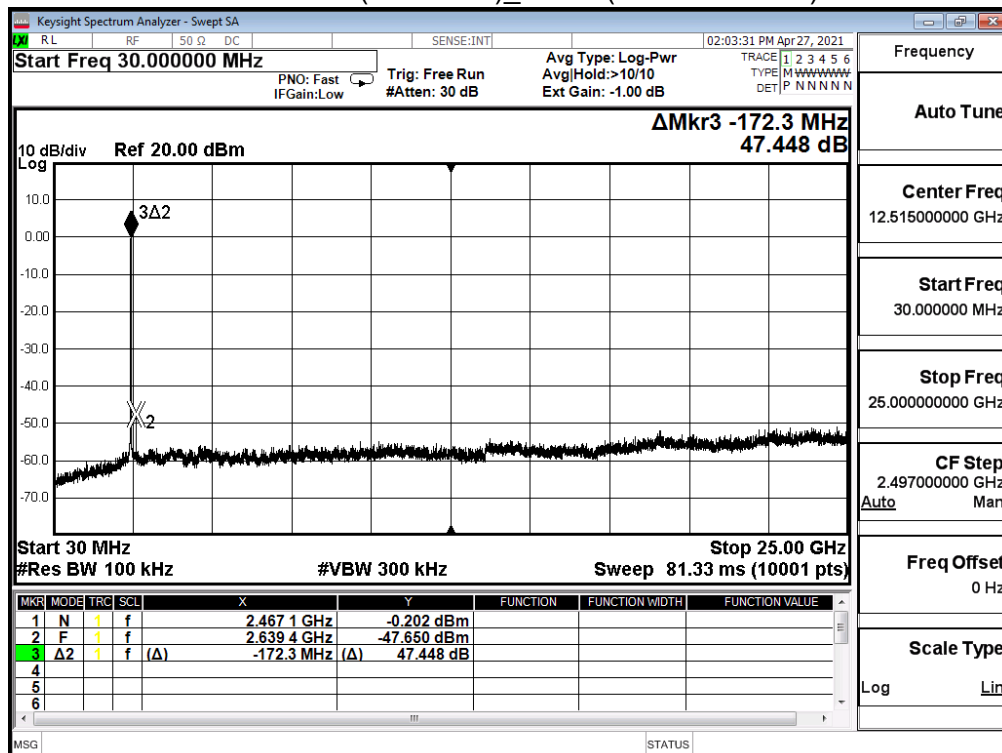
Channel 11 (2462MHz)_Ant. 0 (30MHz-25GHz)



Channel 11 (2462MHz)_Ant. 1



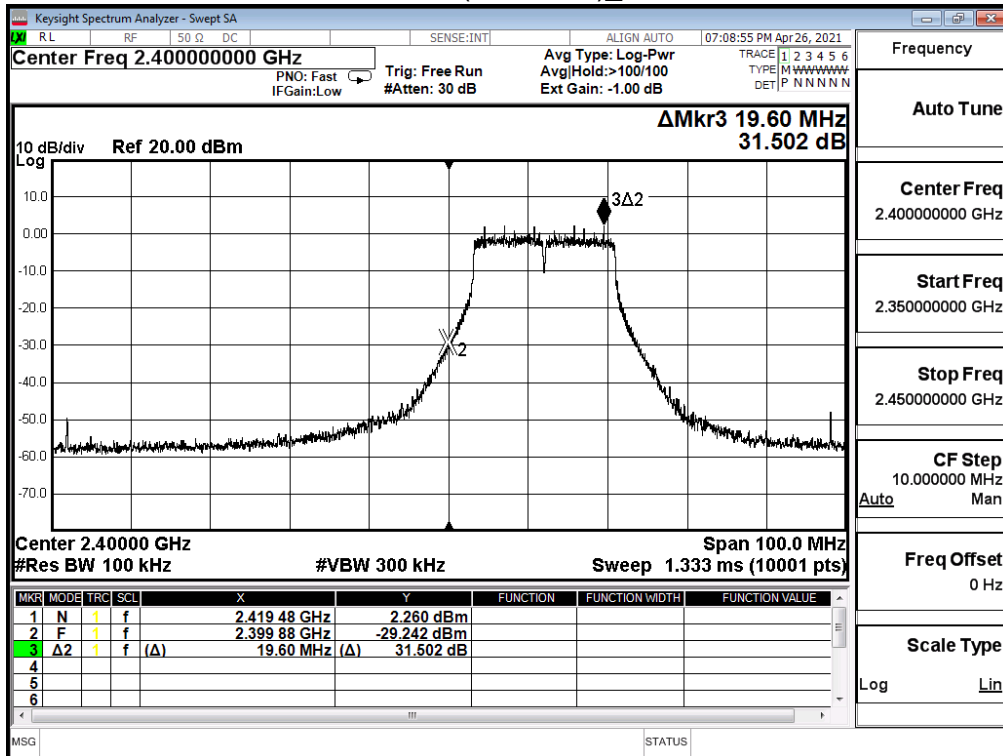
Channel 11 (2462MHz)_Ant. 1 (30MHz-25GHz)



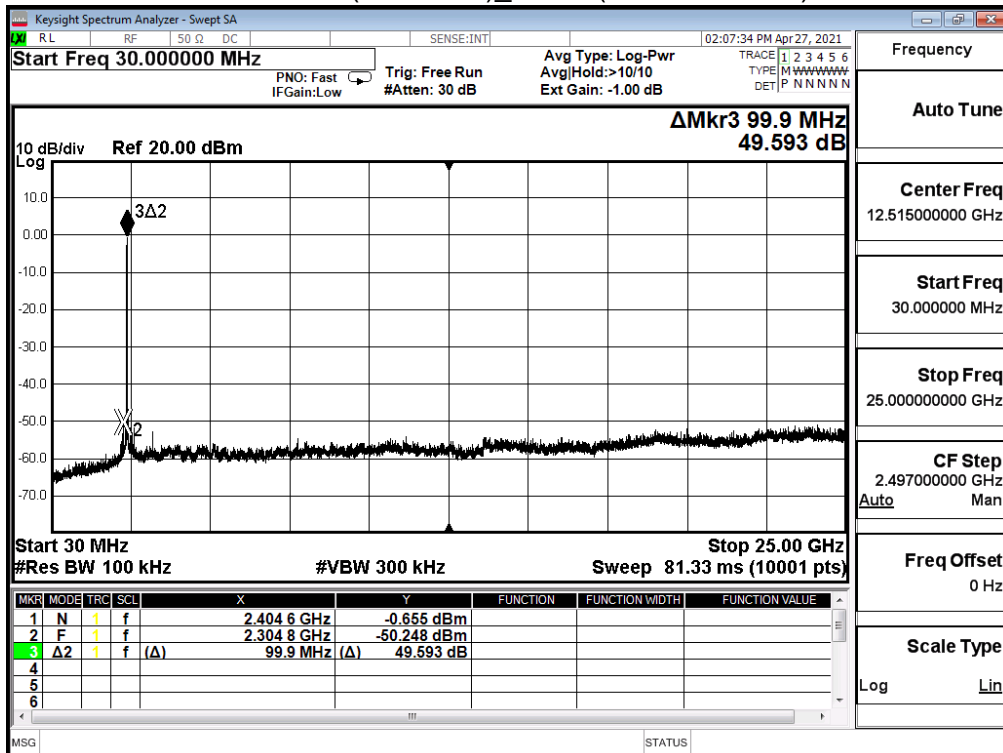
Product	Wireless LAN Access Point		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Non-BF Transmit_ Power by Adapter		
Date of Test	2021/04/26 ~ 2021/04/27	Test Site	SR12-H
Test Temperature	24.0°C	Test Humidity	66.0%

IEEE 802.11n (20M)				
Channel	Frequency (MHz)	Measure Level (dBc)		Limit (dBc)
		Ant. 0	Ant. 1	
1	2412	31.502	32.554	≥ 30
6	2437	52.538	54.727	≥ 30
11	2462	49.511	49.785	≥ 30

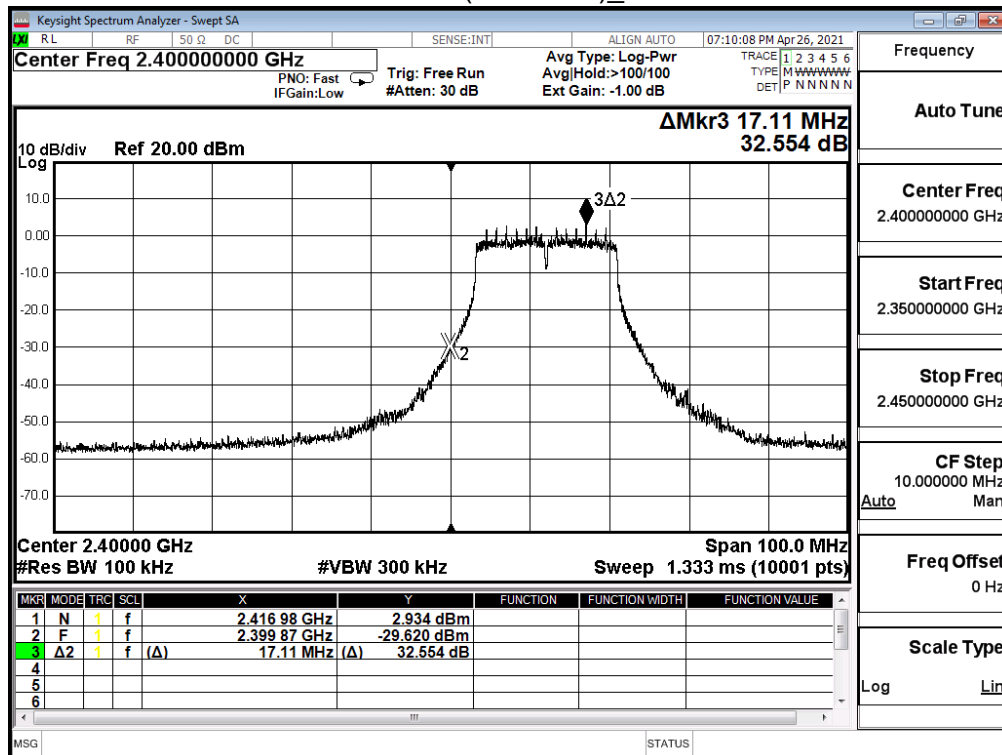
Channel 1 (2412MHz)_Ant. 0



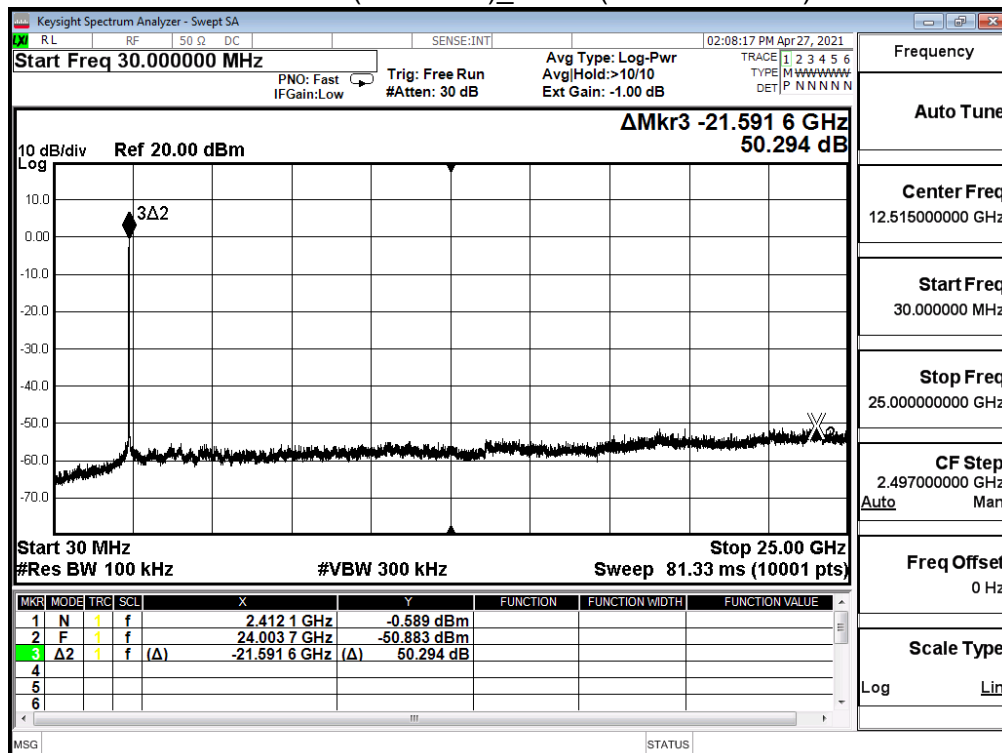
Channel 1 (2412MHz)_Ant. 0 (30MHz-25GHz)



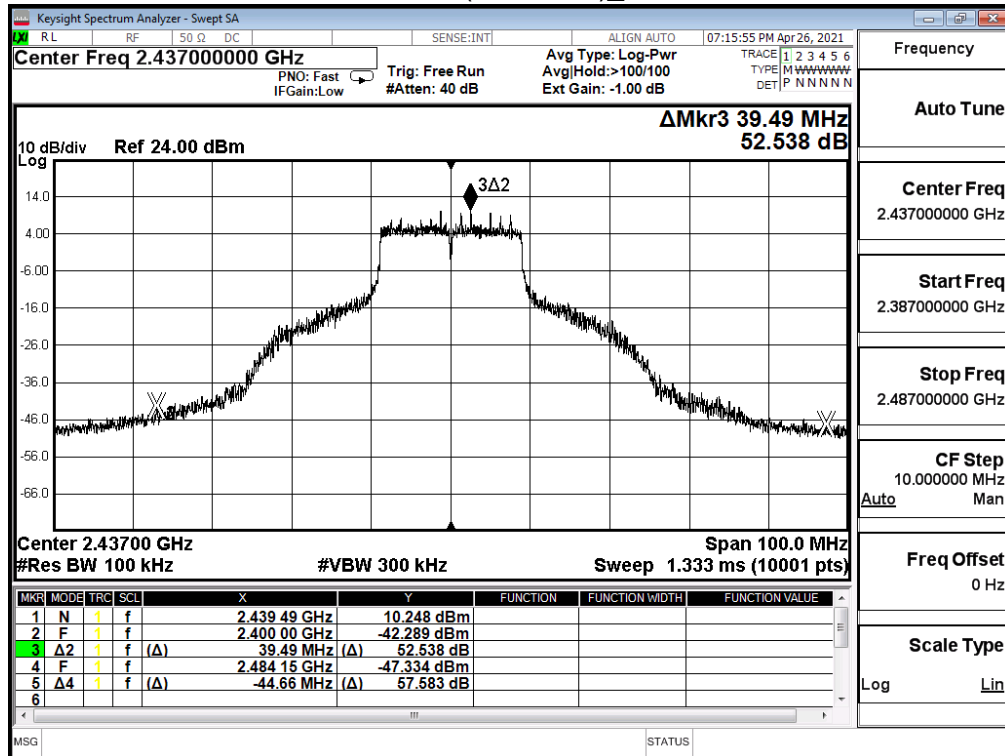
Channel 1 (2412MHz)_Ant. 1



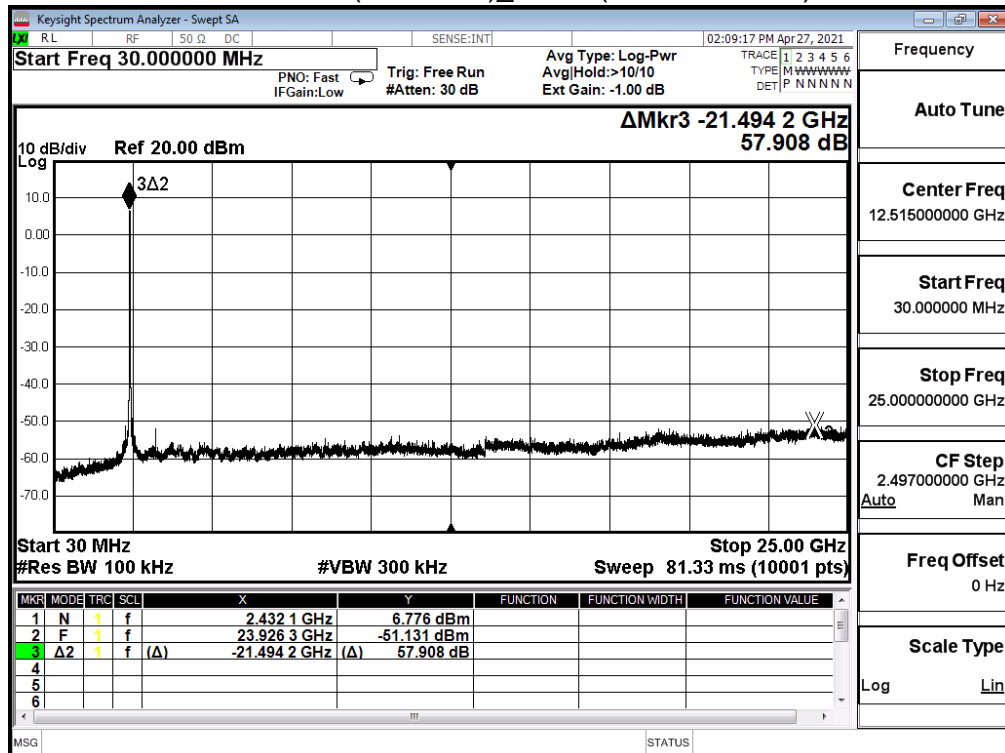
Channel 1 (2412MHz)_Ant. 1 (30MHz-25GHz)



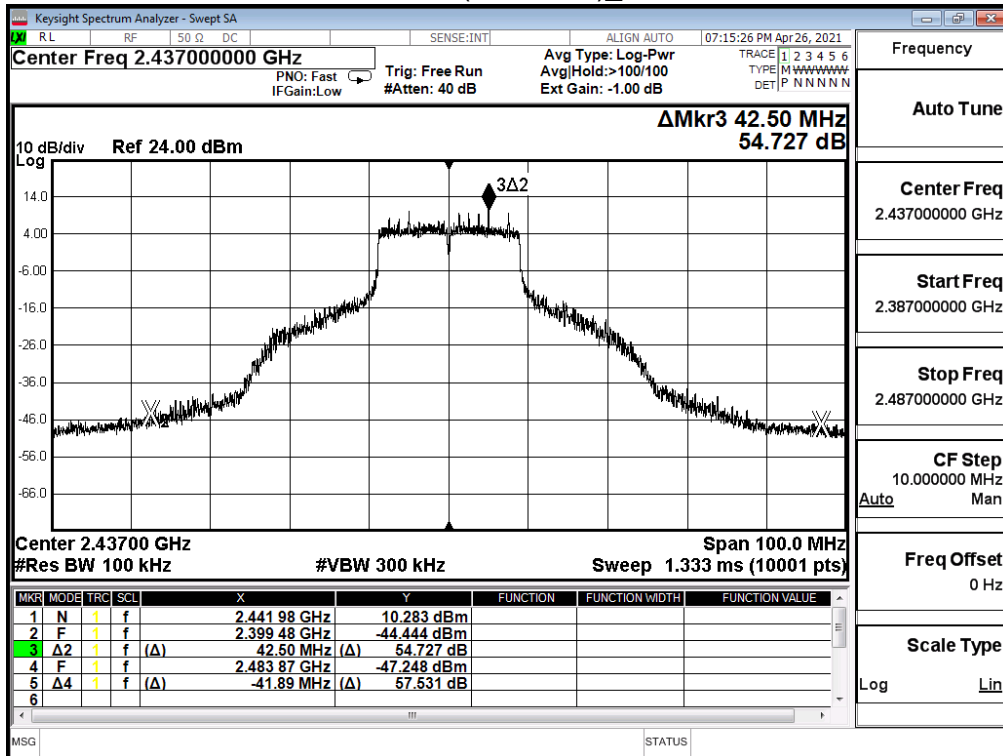
Channel 6 (2437MHz)_Ant. 0



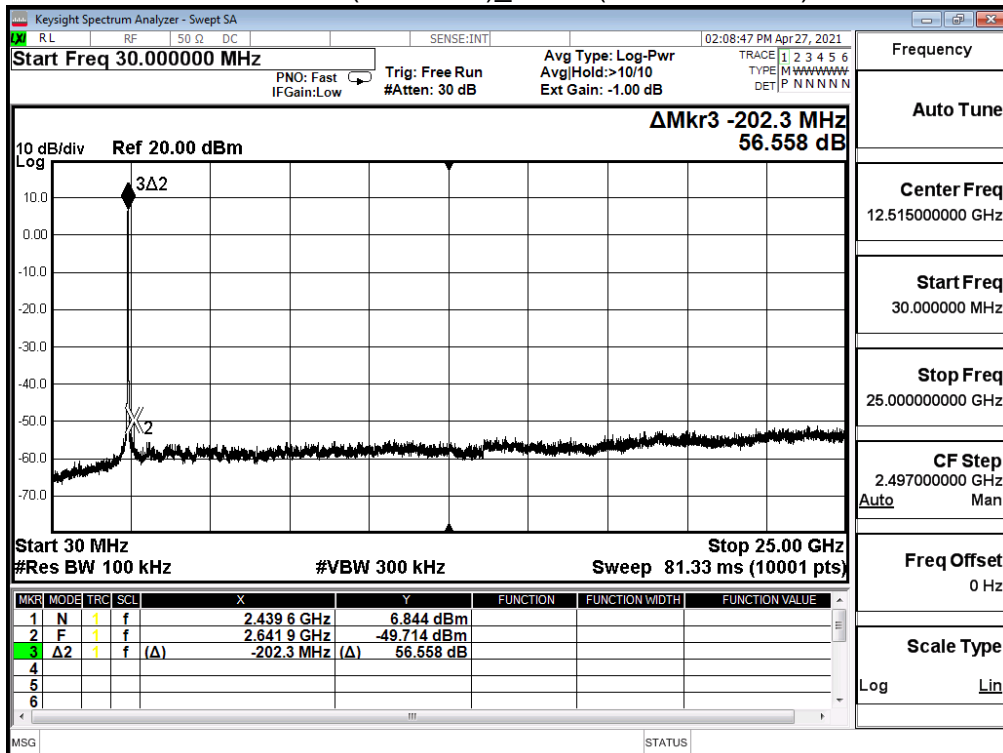
Channel 6 (2437MHz)_Ant. 0 (30MHz-25GHz)



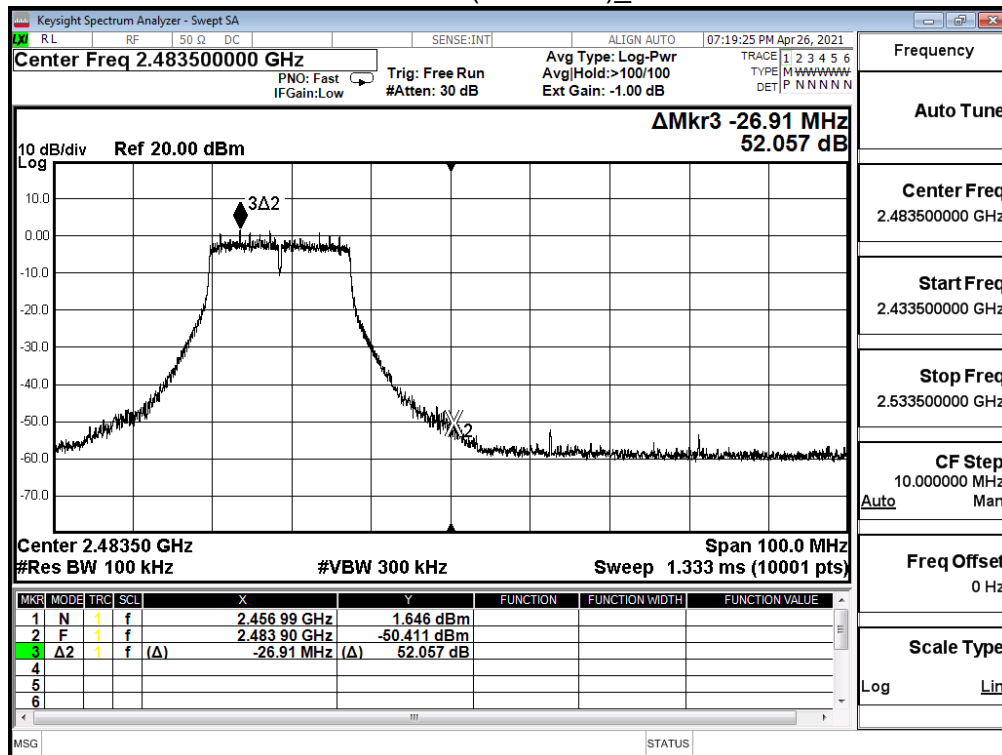
Channel 6 (2437MHz)_Ant. 1



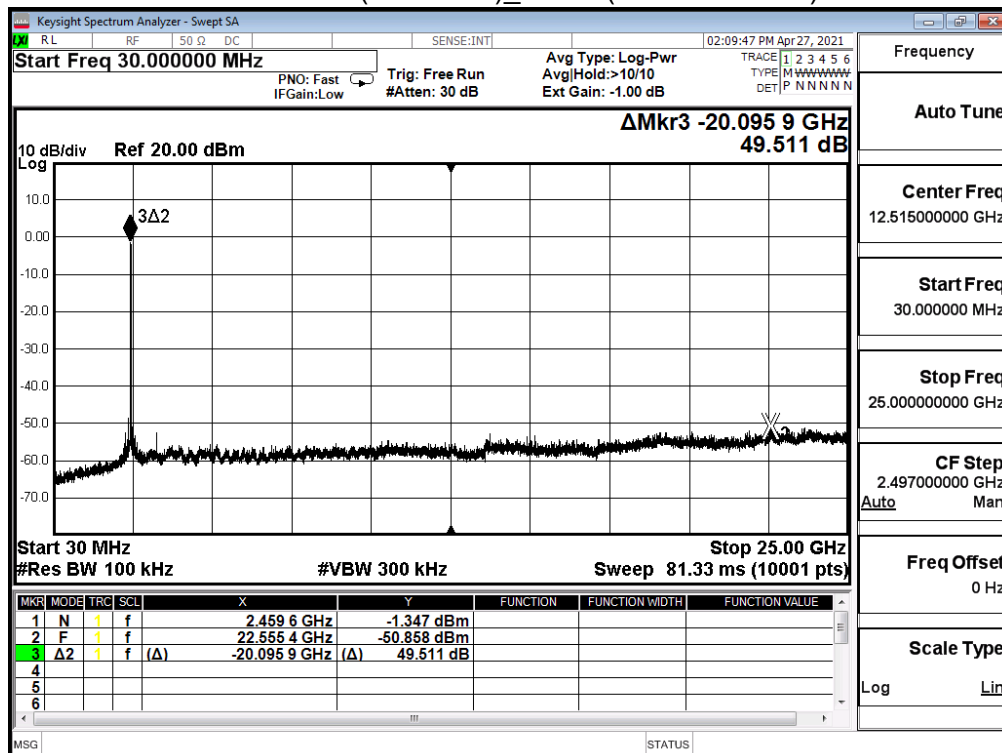
Channel 6 (2437MHz)_Ant. 1 (30MHz-25GHz)



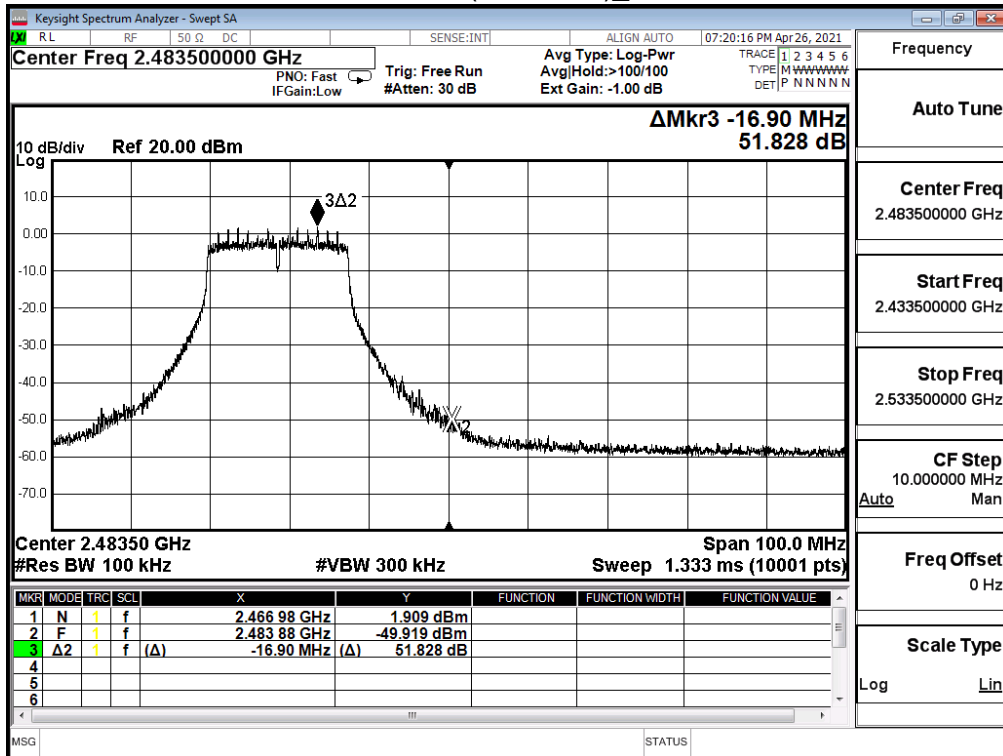
Channel 11 (2462MHz)_Ant. 0



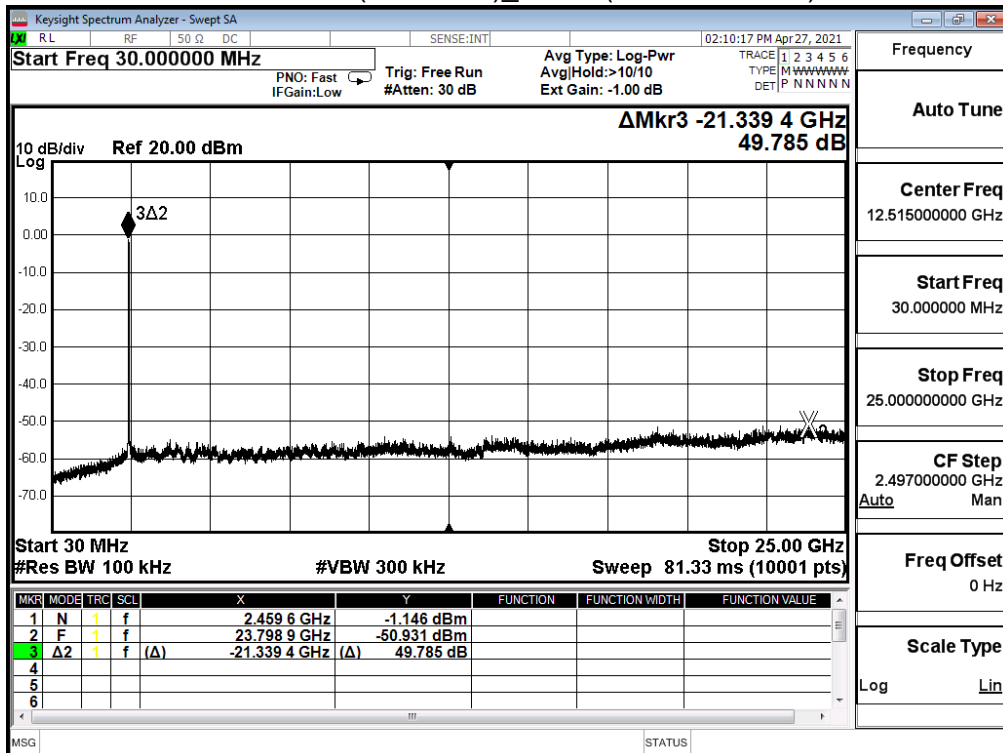
Channel 11 (2462MHz)_Ant. 0 (30MHz-25GHz)



Channel 11 (2462MHz)_Ant. 1



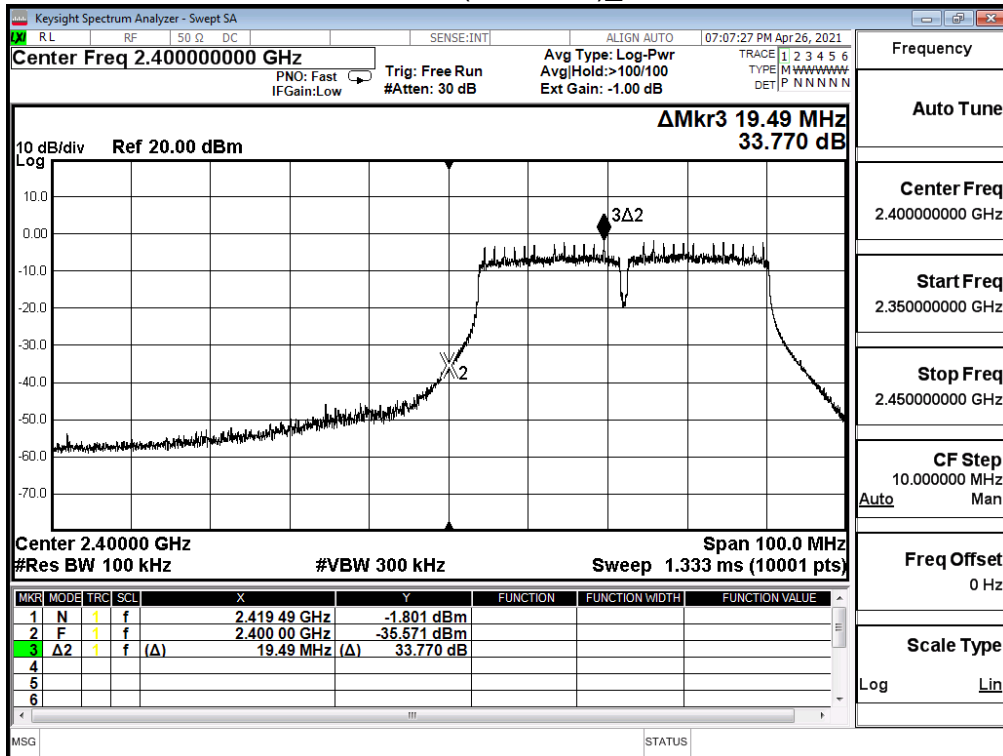
Channel 11 (2462MHz)_Ant. 1 (30MHz-25GHz)



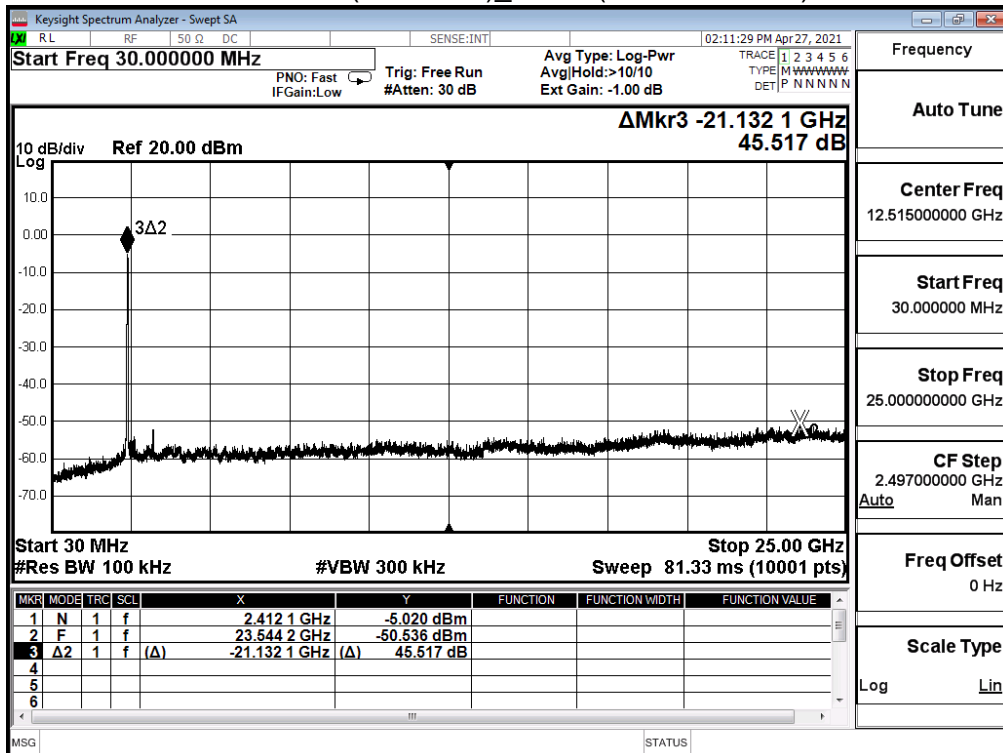
Product	Wireless LAN Access Point		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Non-BF Transmit_ Power by Adapter		
Date of Test	2021/04/26 ~ 2021/04/27	Test Site	SR12-H
Test Temperature	24.0°C	Test Humidity	66.0%

IEEE 802.11n (40M)				
Channel	Frequency (MHz)	Measure Level (dBc)		Limit (dBc)
		Ant. 0	Ant. 1	
3	2422	33.770	33.733	≥ 30
6	2437	45.064	47.554	≥ 30
9	2452	47.907	45.701	≥ 30

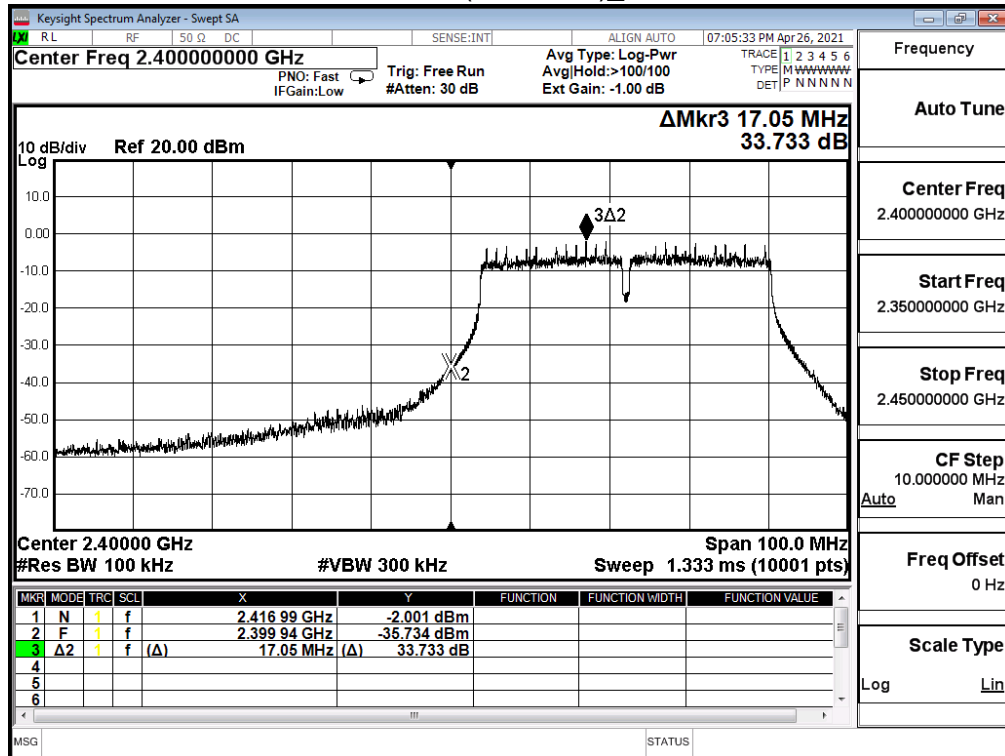
Channel 3 (2422MHz)_Ant. 0



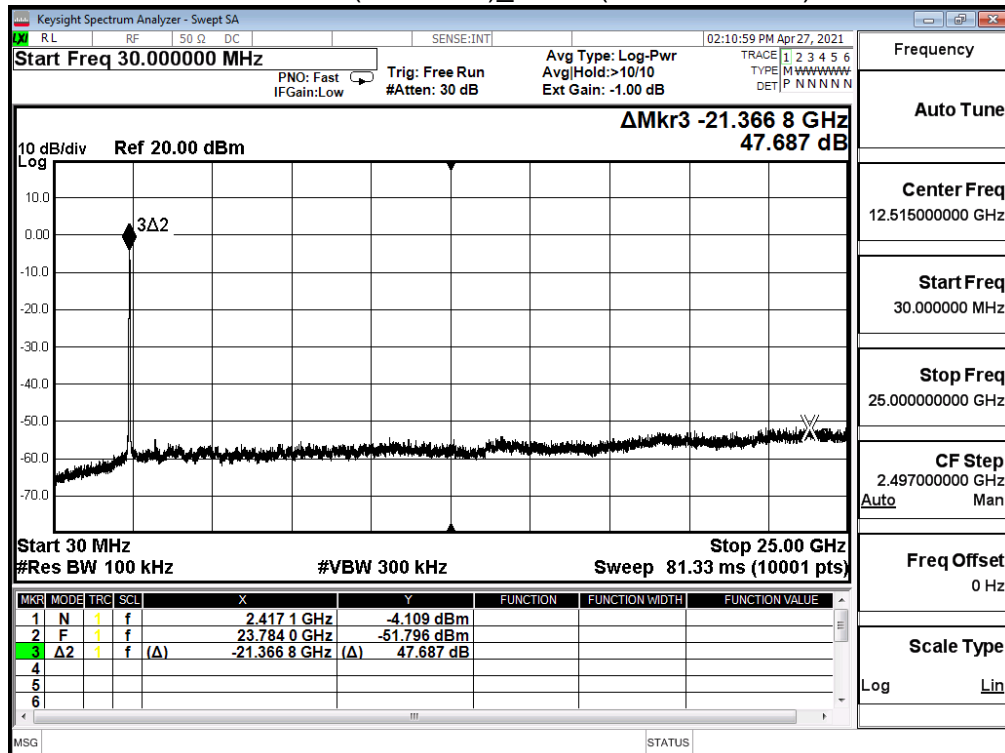
Channel 3 (2422MHz)_Ant. 0 (30MHz-25GHz)



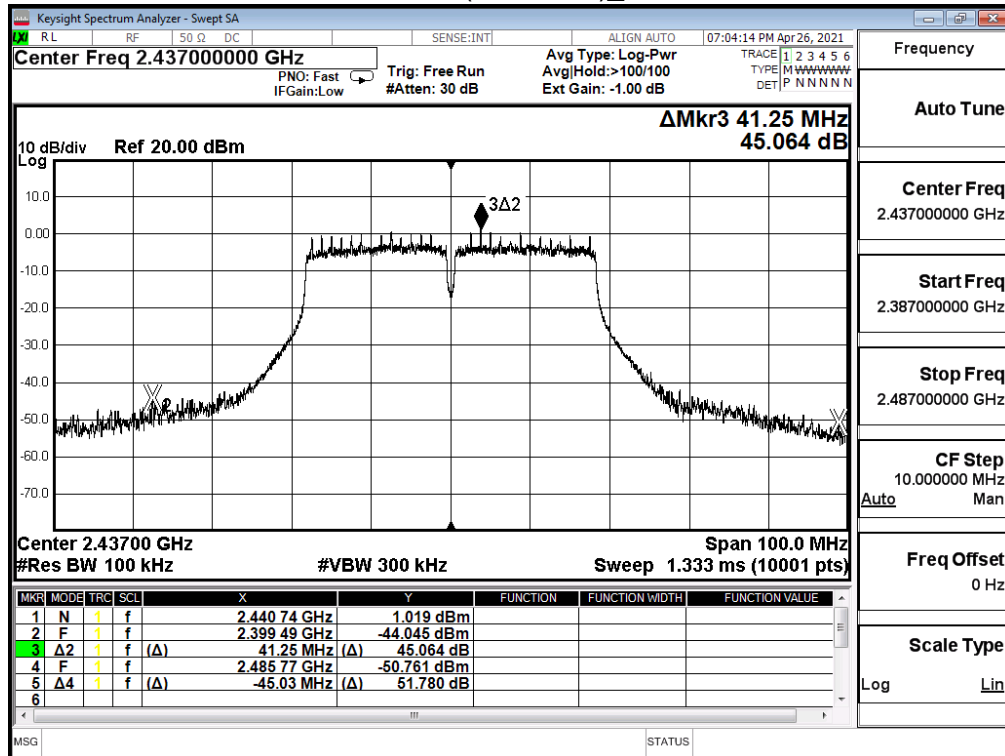
Channel 3 (2422MHz)_Ant. 1



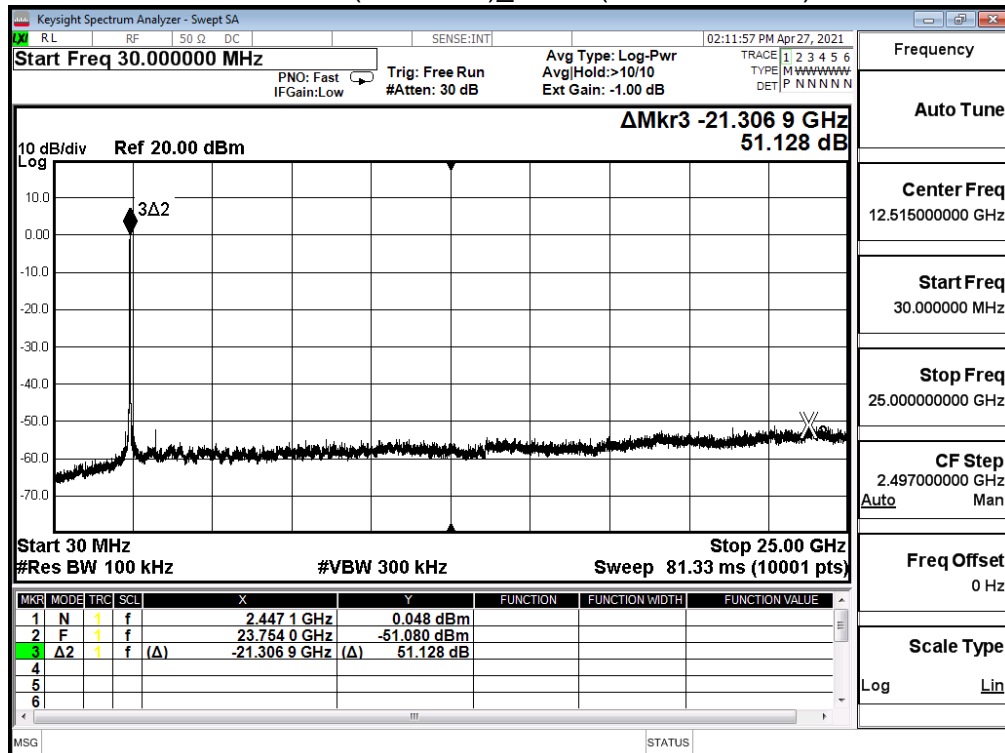
Channel 3 (2422MHz)_Ant. 1 (30MHz-25GHz)



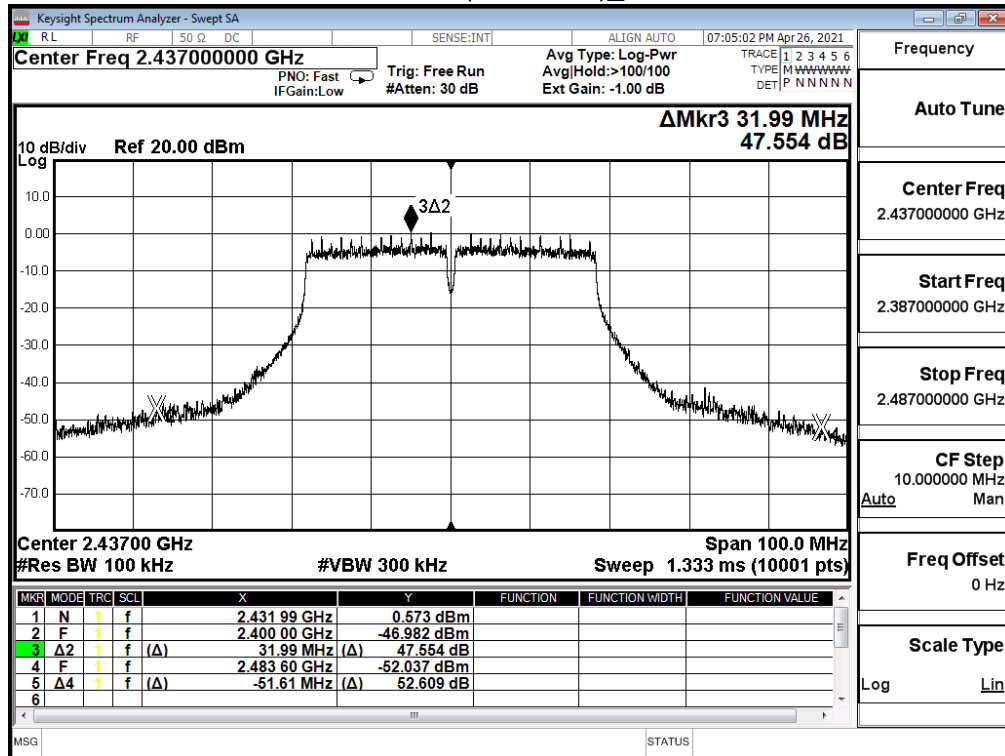
Channel 6 (2437MHz)_Ant. 0



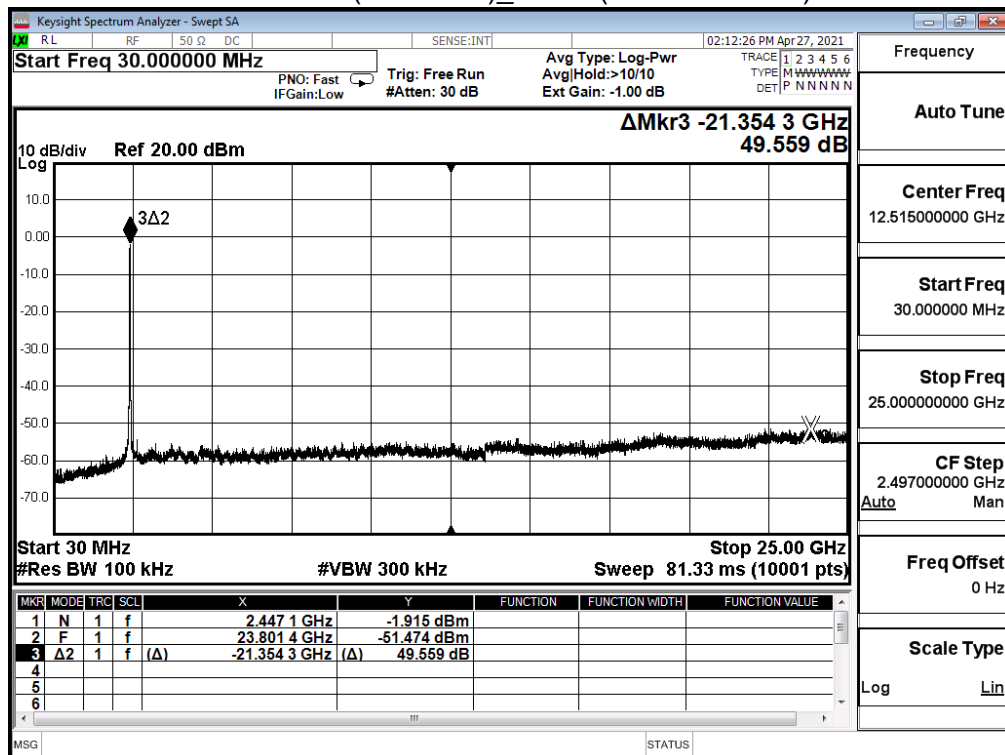
Channel 6 (2437MHz)_Ant. 0 (30MHz-25GHz)



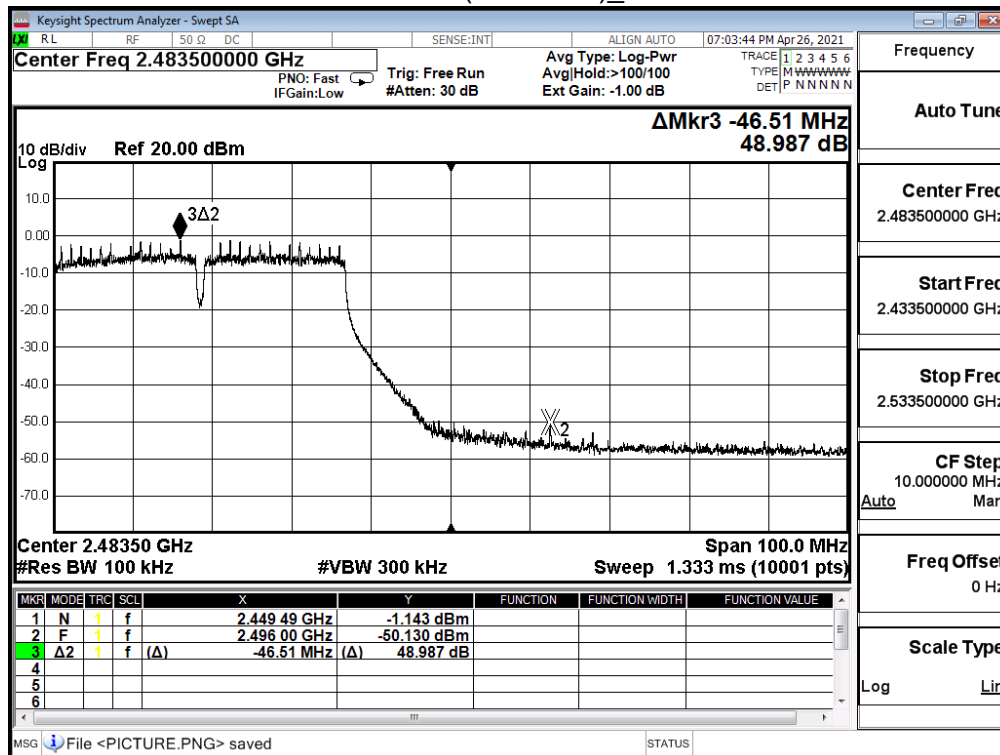
Channel 6 (2437MHz)_Ant. 1



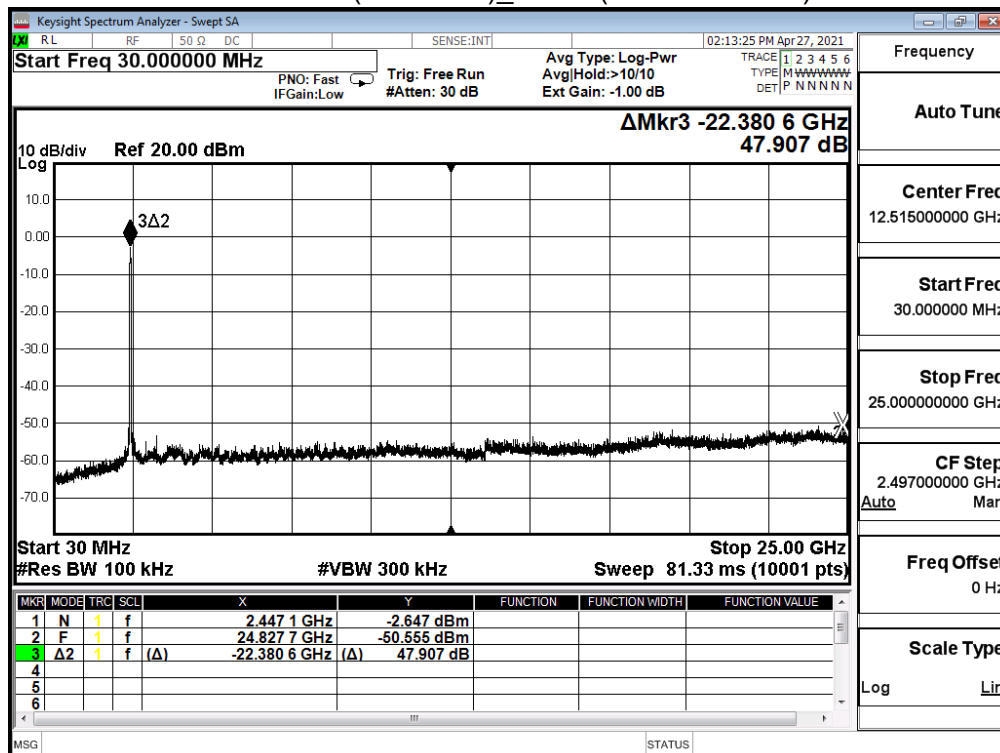
Channel 6 (2437MHz)_Ant. 1 (30MHz-25GHz)



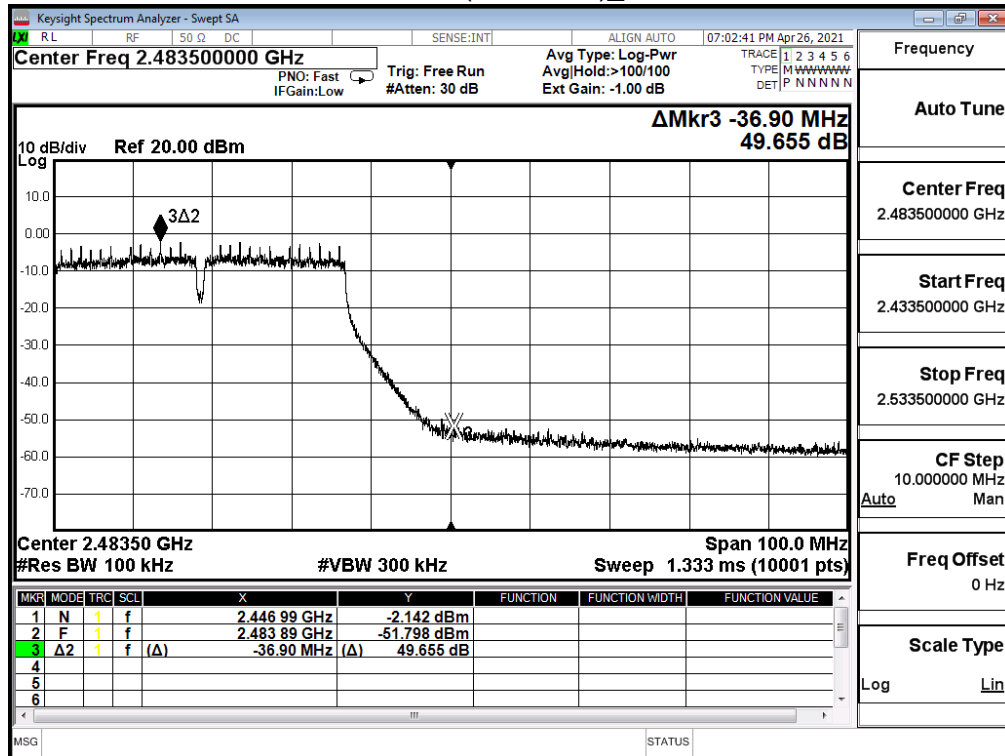
Channel 9 (2452MHz)_Ant. 0



Channel 9 (2452MHz)_Ant. 0 (30MHz-25GHz)



Channel 9 (2452MHz)_Ant. 1



Channel 9 (2452MHz)_Ant. 1 (30MHz-25GHz)

