

FCC Test Report

Product Name : Mesh Wi-Fi Router
Trade Name : CastleNet
Model No. : EBM552U, EBM552
FCC ID : RK9-EBM552

Applicant : CastleNet Technology Inc.
Address : No. 14, Ln. 141, Sec. 3, Beishen Rd. Shengkeng Dist.,
New Taipei City, 22244 Taiwan

Date of Receipt : Dec. 29, 2020
Issued Date : Mar. 10, 2021
Report No. : 20C1060R-E3032110113
Report Version : V1.0



The test results relate only to the samples tested.

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Test Report Certification

Issued Date : Mar. 10, 2021

Report No.: 20C1060R-E3032110113



Product Name : Mesh Wi-Fi Router
Applicant : CastleNet Technology Inc.
Address : No. 14, Ln. 141, Sec. 3, Beishen Rd. Shenkeng Dist., New Taipei City, 22244 Taiwan
Manufacturer : CastleNet Technology Inc.
Address : No. 14, Ln. 141, Sec. 3, Beishen Rd. Shenkeng Dist., New Taipei City, 22244 Taiwan
Trade Name : CastleNet
Model No. : EBM552U, EBM552
FCC ID : RK9-EBM552
EUT Test Voltage : AC 100-240V, 50/60Hz
Testing Voltage : AC 120V/60Hz
Applicable Standard : FCC CFR Title 47 Part 15 Subpart C Section 15.247: 2019 ANSI C63.10: 2013
Laboratory Name : Hsin Chu Laboratory
Address : No.372-2, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County 310, Taiwan, R.O.C.
TEL: +886-3-582-8001 / FAX: +886-3-582-8958
Test Result : Complied

Documented By :



(Carol Tsai / Senior 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	Mar. 10, 2021

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1. General Information

1.1. EUT Description

Product Name	Mesh Wi-Fi Router	
Trade Name	CastleNet	
Model No.	EBM552U, EBM552	
Frequency Range/ Channel Number	IEEE 802.11b/g IEEE 802.11n/ac/ax (20MHz)	2412~2462MHz / 11 Channels
	IEEE 802.11n/ac/ax (40MHz)	2422~2452MHz / 7 Channels
Type of Modulation	IEEE 802.11b	Direct Sequence Spread Spectrum
	IEEE 802.11g/n/ac/ax	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
	IEEE 802.11ac	Support a subset of the combination of GI, MCS 0~MCS 9 and bandwidth defined in 802.11ac
	IEEE 802.11ax	Support a subset of the combination of GI, MCS 0~MCS 11 and bandwidth defined in 802.11ax

Accessories Information	
LAN Cable	Non-Shielded, 1m
Power Adapter (For M/N: EBM552U)	MOSO, MSA-C1500CS12.0-18G-US I/P: 100-240V~50/60Hz 0.6A max. O/P: 12.0V $\equiv$ 1.5A Cable Out: Non-Shielded, 1.5m
Power Adapter (For M/N: EBM552)	MOSO, MS-V1000R120-012H0-US I/P: 100-240V~50/60Hz 0.3A max. O/P: 12.0V $\equiv$ 1.0A Cable Out: Non-Shielded, 1.5m

Ant. No.	Brand	Model No.	Antenna Type	Ant. Gain
0	Taiwan Anjie	AJDP1J-B0086	Dipole Antenna	2.4GHz: 4.52 dBi 5GHz: 4.62 dBi
1	Taiwan Anjie	AJDP1J-W0056	Dipole Antenna	2.4GHz: 2.87 dBi 5GHz: 5.43 dBi

ANT-TX / RX & Bandwidth

ANT-TX / RX	TX			RX		
	20MHz	40MHz	80MHz	20MHz	40MHz	80MHz
IEEE802.11b	✓			✓		
IEEE802.11g	✓			✓		
IEEE802.11n/ac/ax	✓	✓		✓	✓	

IEEE 802.11b/g & IEEE 802.11n/ac/ax(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/ac/ax(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:

- This device is a Mesh Wi-Fi Router including 2.4GHz b/g/n/ac/ax and 5GHz a/n/ac/ax transmitting and receiving functions.
- The different of each model is shown as below:

Model Number	USB Port	Power Adapter
EBM552U	With	MOSO, MSA-C1500CS12.0-18G-US
EBM552	Without	MOSO, MS-V1000R120-012H0-US
- 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.
- 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_Non-BF_EBM552U Mode 2: Transmit_Non-BF_EBM552 Mode 3: Transmit_BF
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Note: BF: Beamforming

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

Test Items	Modulation	Channel	Antenna	Result
Occupied Bandwidth	11b	1/6/11	0/1	Complies
	11g	1/6/11	0/1	Complies
	11ax(20MHz)	1/6/11	0/1	Complies
	11ax(40MHz)	3/6/9	0/1	Complies
Power Density	11b	1/6/11	0+1	Complies
	11g	1/6/11	0+1	Complies
	11ax(20MHz)	1/6/11	0+1	Complies
	11ax(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).

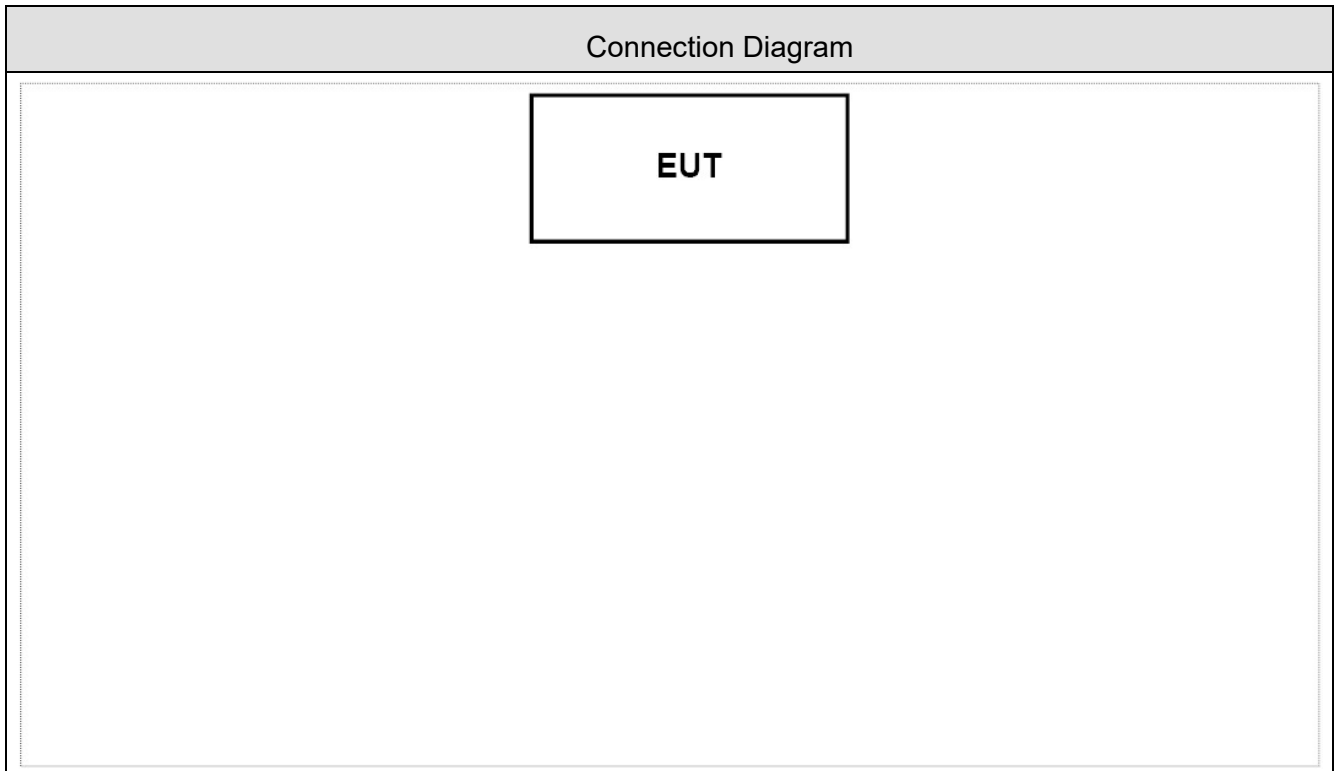
Note 2: Determining compliance shall be based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

1.3. Tested System Details

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

N/A

1.4. Configuration of tested System



1.5. EUT Exercise Software

1	Set the EUT as shown in Section 1.4.
2	Execute “MTool” software on the laptop.
3	Configure test mode, test channel and data rate.
4	Let the EUT start transmitting or receiving signal continuously.
5	Verify that the EUT works properly.

1.6. Comments and Remarks

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

1.7. Test Facility

Ambient conditions in the laboratory:

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

Note: Test site information refers to Laboratory Information.

Laboratory Information

USA : FCC Registration Number: TW3024

Canada : IC Registration Number: 22397-1 / 22397-2 / 22397-3

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

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

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

1.8. List of Test Equipment

Conducted Emission / SR2-H

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Artificial Mains Network	R&S	ENV4200	848411/010	2020/12/24	2021/12/23
Test Receiver	R&S	ESCS 30	836858/022	2020/02/25	2021/02/24
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	2020/03/30	2021/03/29
Signal Analyzer	R&S	FSV40	101435	2020/06/24	2021/06/23
EXA Signal Analyzer	Keysight	N9010A	MY51440132	2020/02/21 2021/01/25	2021/02/20 2022/01/24
Bilog Antenna	Teseq	CBL6112D	23191	2020/06/12	2021/06/11
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	2020/02/03 2021/01/27	2021/02/02 2022/01/26
Wireless Conn. Tester	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 1.2	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	2020/04/15	2021/04/14
Spectrum Analyzer	Agilent	N9010A	US47140172	2020/06/18	2021/06/17
Signal & Spectrum Analyzer	R&S	FSV40	101049	2020/03/30	2021/03/29

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	2020/03/30	2021/03/29
Signal Analyzer	R&S	FSV40	101435	2020/06/24	2021/06/23
EXA Signal Analyzer	Keysight	N9010A	MY51440132	2020/02/21 2021/01/25	2021/02/20 2022/01/24
Bilog Antenna	Teseq	CBL6112D	23191	2020/06/12	2021/06/11
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	2020/02/03 2021/01/27	2021/02/02 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 1.2	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	2020/04/15	2021/04/14
Spectrum Analyzer	Agilent	N9010A	US47140172	2020/06/18	2021/06/17
Signal & Spectrum Analyzer	R&S	FSV40	101049	2020/03/30	2021/03/29

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	2020/04/15	2021/04/14
Spectrum Analyzer	Agilent	N9010A	US47140172	2020/06/18	2021/06/17
Signal & Spectrum Analyzer	R&S	FSV40	101049	2020/03/30	2021/03/29

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	2020/04/15	2021/04/14
Spectrum Analyzer	Agilent	N9010A	US47140172	2020/06/18	2021/06/17
Signal & Spectrum Analyzer	R&S	FSV40	101049	2020/03/30	2021/03/29

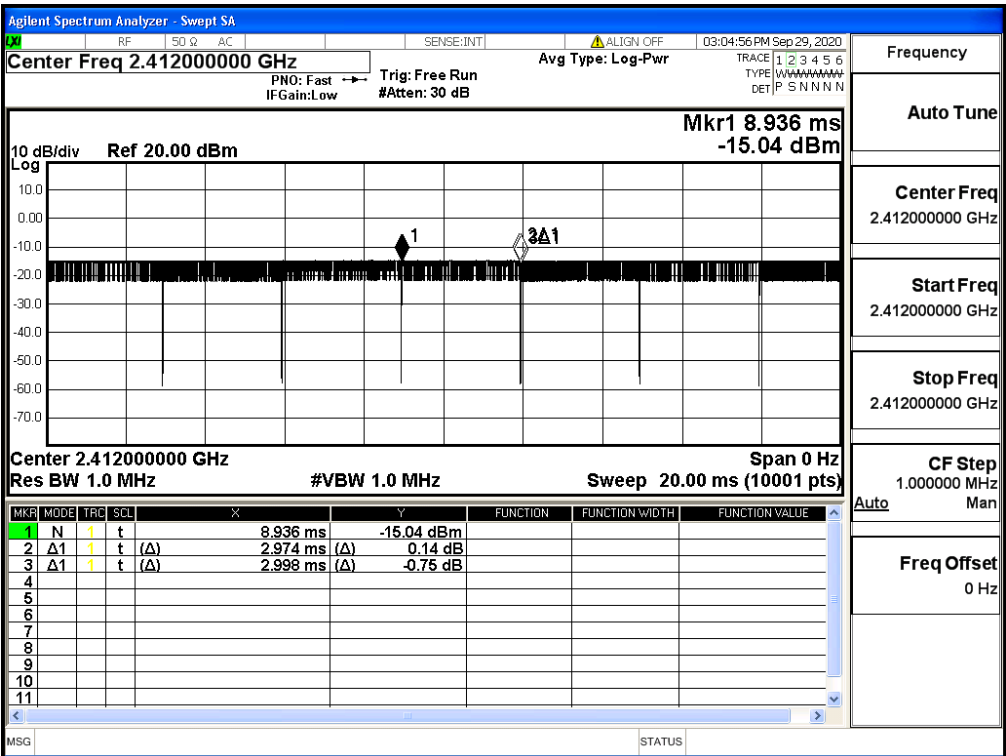
Note: All equipment upon which need to calibrated are with calibration period of 1 year.

1.9. Duty Cycle

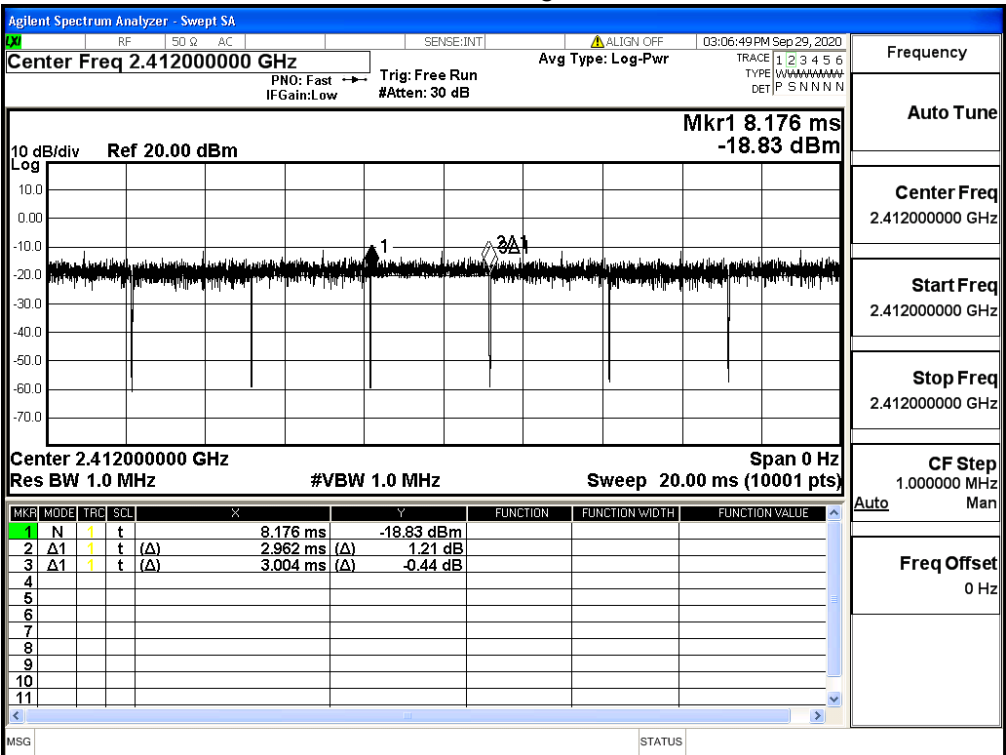
Mode 1: Transmit_Non-BF_EBM552U

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	2.974	2.998	99.20%	0.069813	0.03	0.010
11G	2.962	3.004	98.60%	0.122297	0.06	0.010
AX HE20	2.266	2.309	98.14%	0.163281	0.08	0.010
AX HE40	2.320	2.393	96.95%	0.269094	0.13	0.431

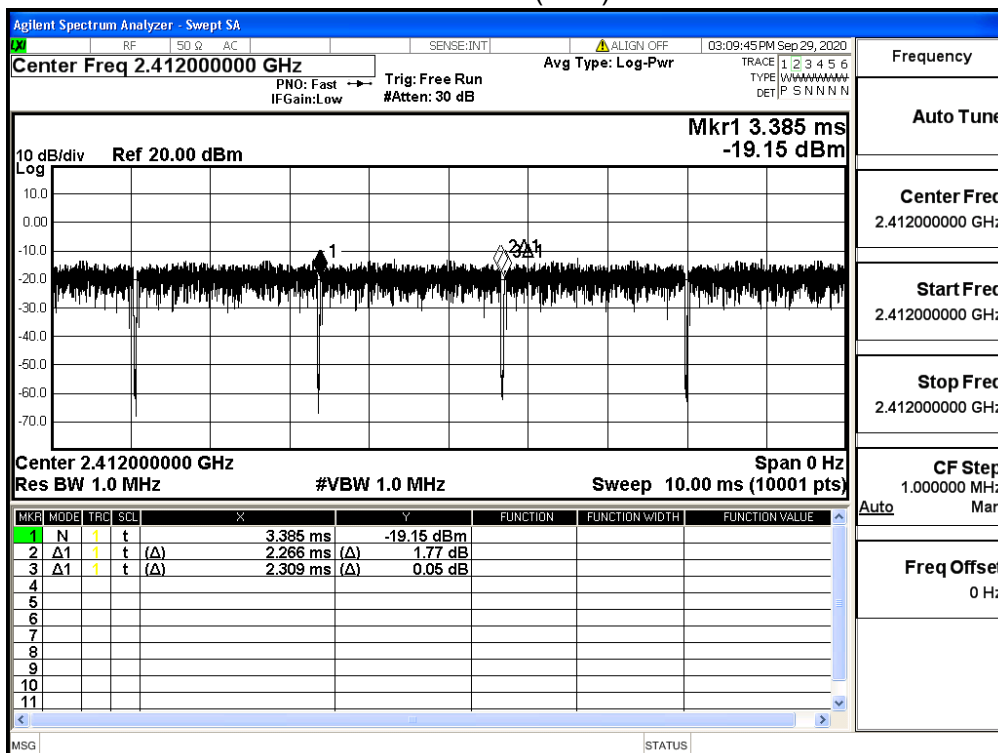
802.11b



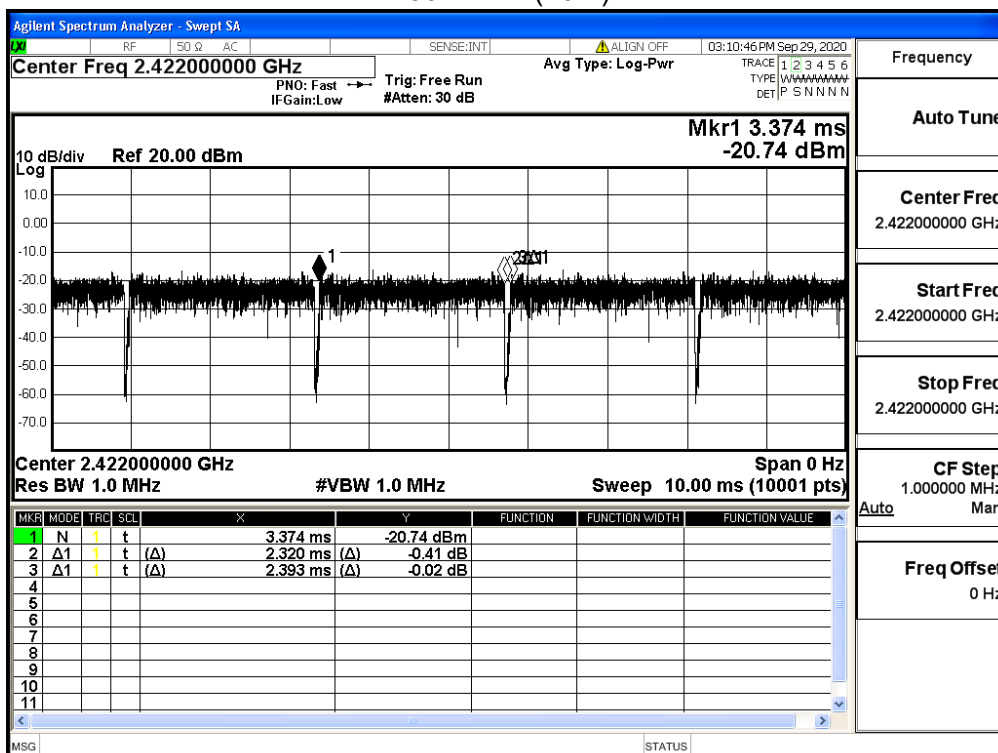
802.11g



802.11ax (20M)



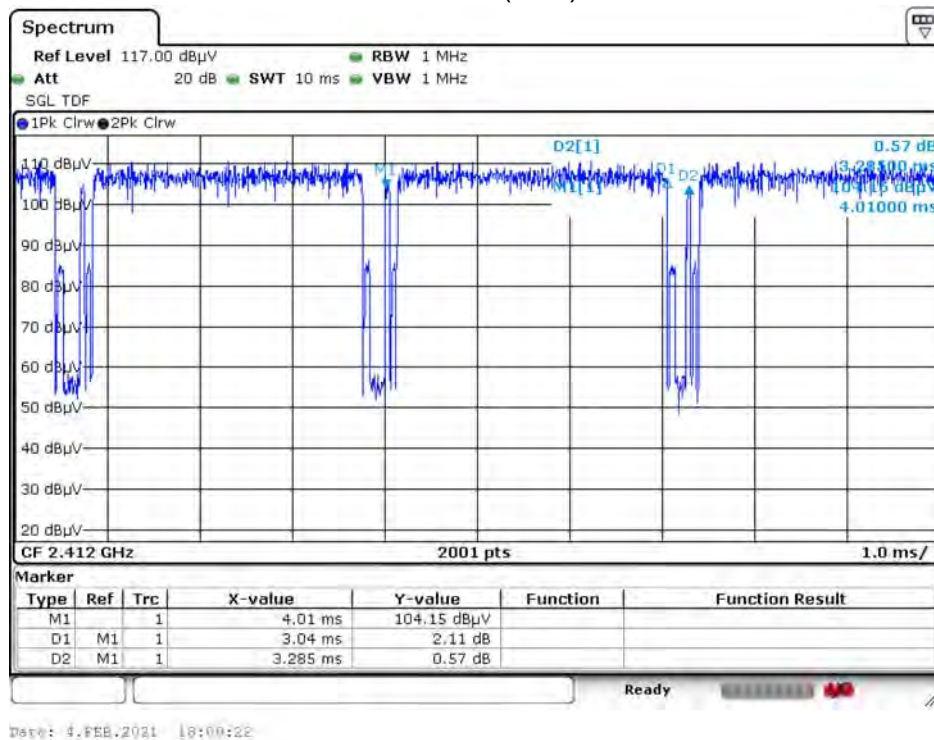
802.11ax (40M)



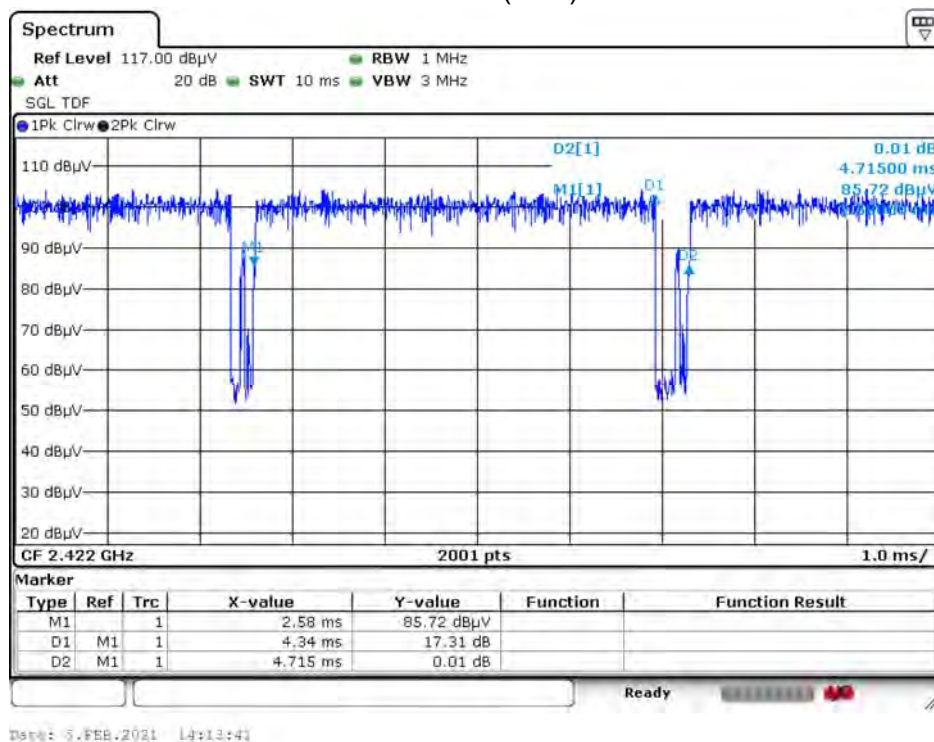
Mode 3: Transmit_BF

Mode	On Time(ms)	On+Off Time(ms)	Duty Cycle (%)	Duty Factor(dB) linear voltage	Duty Factor(dB) Power	1/T Minimum VBW (kHz)
AX HE20	3.040	3.285	92.54%	0.673236	0.34	0.329
AX HE40	4.340	4.715	92.05%	0.719839	0.36	0.230

802.11ax (20M)



802.11ax (40M)

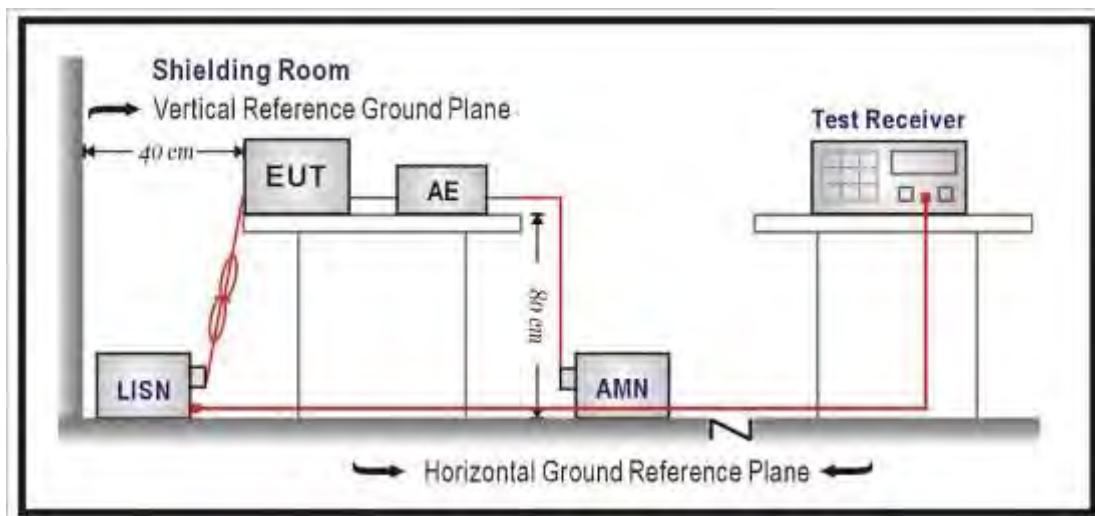


1.10. Uncertainty

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.

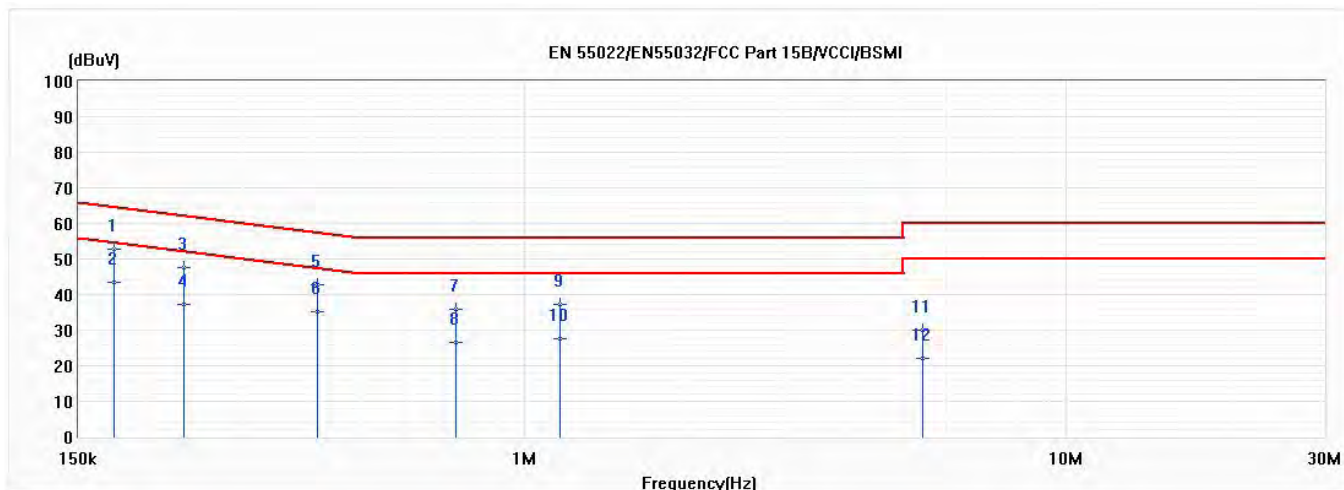
Conducted emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9 kHz.

2.4. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.207: 2019

2.5. Test Result

Model No	EBM552U	Site	SR2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/2/18
Test Mode	Mode 1: Transmit_Non-BF_EBM552U	Engineer	Scott Lin
Phase	L	Temperature (°C)	20
Test Condition	802.11b,Ch6,2.437G,BW20M	Humidity (%RH)	43

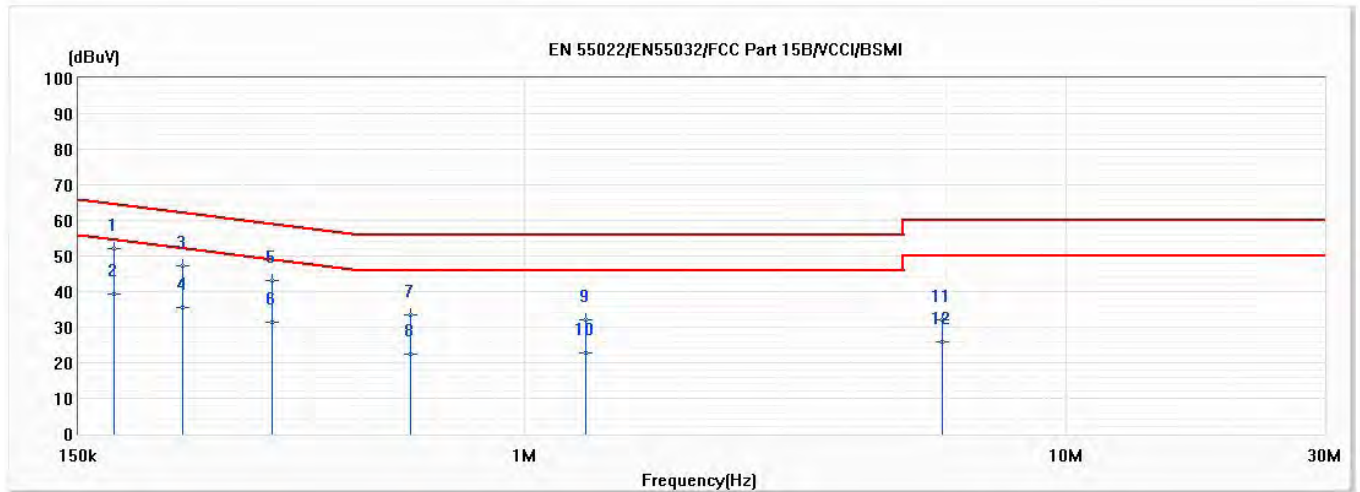


No	Frequency (MHz)	Emission Level (dBuV)	Limit (dBuV)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	0.174	52.74	64.75	-12.01	43.10	9.65	QP
*2	0.174	43.52	54.75	-11.23	33.88	9.65	AV
3	0.235	47.61	62.28	-14.67	37.96	9.65	QP
4	0.235	37.13	52.28	-15.15	27.48	9.65	AV
5	0.413	42.80	57.58	-14.78	33.12	9.68	QP
6	0.413	35.11	47.58	-12.47	25.43	9.68	AV
7	0.748	35.87	56.00	-20.13	26.15	9.72	QP
8	0.748	26.55	46.00	-19.45	16.83	9.72	AV
9	1.161	37.21	56.00	-18.79	27.46	9.75	QP
10	1.161	27.43	46.00	-18.57	17.69	9.75	AV
11	5.432	29.90	60.00	-30.10	19.94	9.96	QP
12	5.432	21.92	50.00	-28.08	11.96	9.96	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	EBM552U	Site	SR2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/2/18
Test Mode	Mode 1: Transmit_Non-BF_EBM552U	Engineer	Scott Lin
Phase	N	Temperature (°C)	20
Test Condition	802.11b,Ch6,2.437G,BW20M	Humidity (%RH)	43

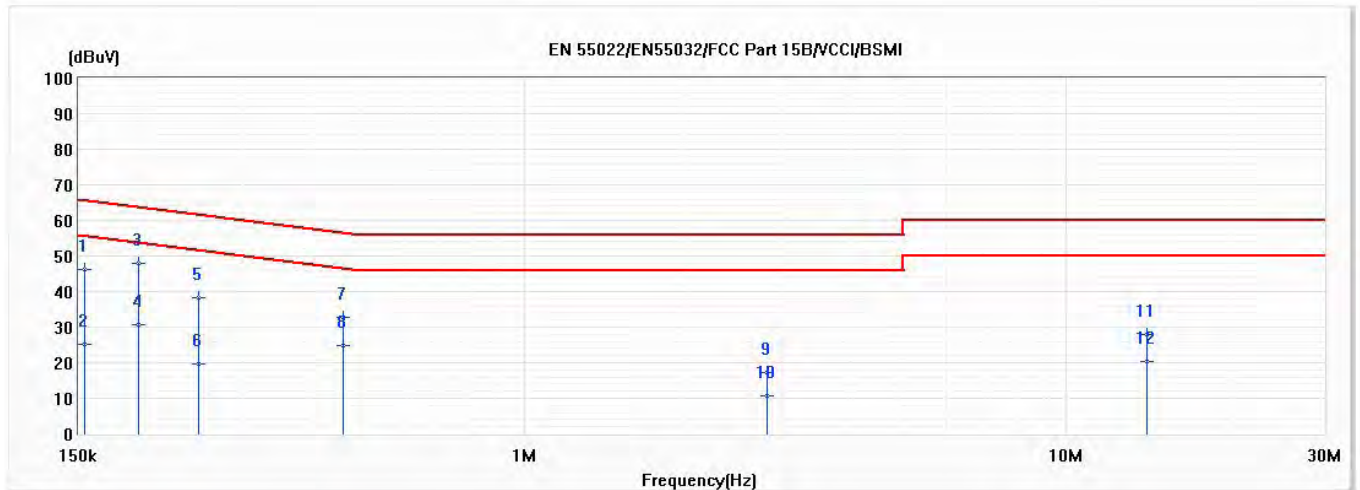


No	Frequency (MHz)	Emission Level (dBuV)	Limit (dBuV)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
*1	0.174	51.95	64.75	-12.81	42.31	9.64	QP
2	0.174	39.32	54.75	-15.43	29.68	9.64	AV
3	0.234	47.24	62.31	-15.07	37.60	9.64	QP
4	0.234	35.40	52.31	-16.92	25.76	9.64	AV
5	0.341	42.97	59.17	-16.20	33.31	9.66	QP
6	0.341	31.47	49.17	-17.70	21.81	9.66	AV
7	0.617	33.59	56.00	-22.41	23.90	9.69	QP
8	0.617	22.28	46.00	-23.72	12.59	9.69	AV
9	1.297	31.92	56.00	-24.08	22.18	9.73	QP
10	1.297	22.66	46.00	-23.34	12.92	9.73	AV
11	5.917	32.19	60.00	-27.81	22.22	9.97	QP
12	5.917	25.70	50.00	-24.30	15.73	9.97	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	EBM552	Site	SR2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/2/18
Test Mode	Mode 2: Transmit_Non-BF_EBM552	Engineer	Scott Lin
Phase	L	Temperature (°C)	20
Test Condition	802.11b,Ch6,2.437G,BW20M	Humidity (%RH)	43

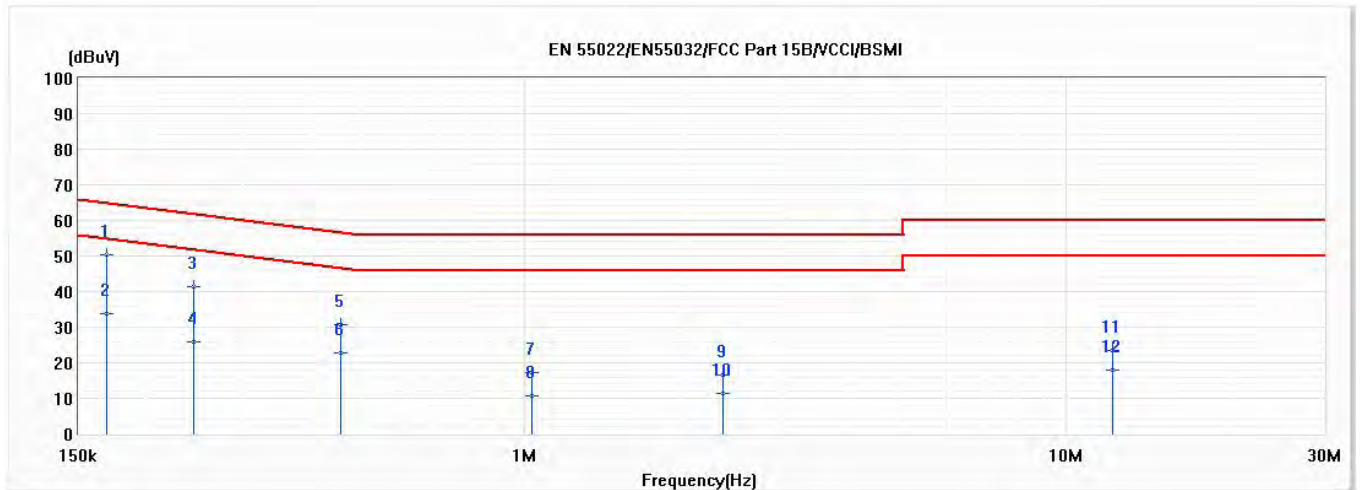


No	Frequency (MHz)	Emission Level (dBuV)	Limit (dBuV)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	0.154	46.21	65.77	-19.56	36.56	9.65	QP
2	0.154	25.13	55.77	-30.64	15.48	9.65	AV
*3	0.194	47.86	63.88	-16.02	38.21	9.64	QP
4	0.194	30.82	53.88	-23.06	21.17	9.64	AV
5	0.250	38.31	61.75	-23.44	28.65	9.65	QP
6	0.250	19.71	51.75	-32.04	10.06	9.65	AV
7	0.462	32.66	56.66	-23.99	22.97	9.69	QP
8	0.462	24.95	46.66	-21.71	15.26	9.69	AV
9	2.804	17.07	56.00	-38.93	7.24	9.83	QP
10	2.804	10.65	46.00	-35.35	0.82	9.83	AV
11	14.111	27.88	60.00	-32.12	17.65	10.23	QP
12	14.111	20.29	50.00	-29.71	10.05	10.23	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	EBM552	Site	SR2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/2/18
Test Mode	Mode 2: Transmit_Non-BF_EBM552	Engineer	Scott Lin
Phase	N	Temperature (°C)	20
Test Condition	802.11b,Ch6,2.437G,BW20M	Humidity (%RH)	43



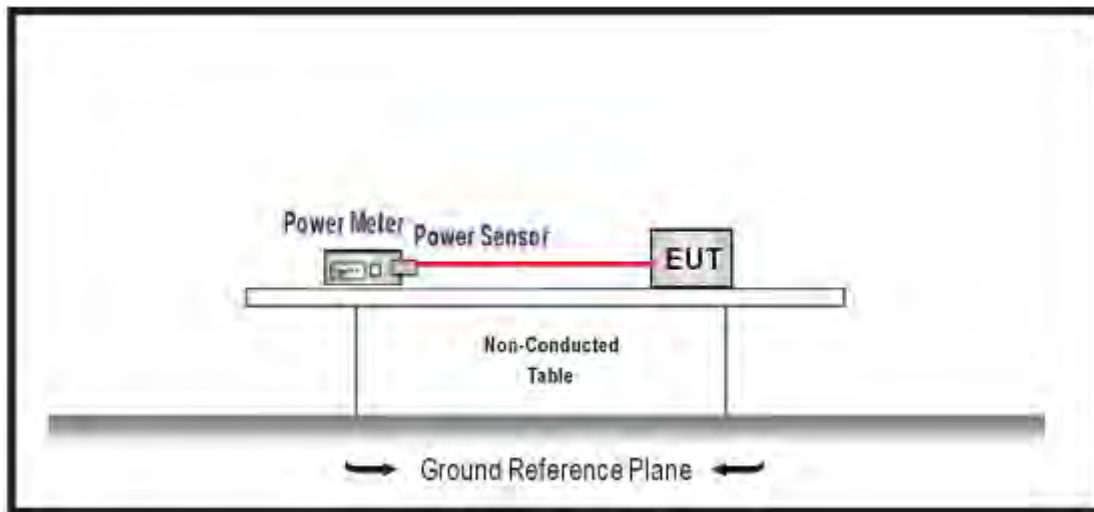
No	Frequency (MHz)	Emission Level (dBuV)	Limit (dBuV)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
*1	0.169	50.34	64.99	-14.65	40.70	9.64	QP
2	0.169	33.76	54.99	-21.23	24.12	9.64	AV
3	0.245	41.29	61.92	-20.63	31.65	9.64	QP
4	0.245	25.99	51.92	-25.94	16.34	9.64	AV
5	0.458	30.61	56.73	-26.12	20.94	9.68	QP
6	0.458	22.62	46.73	-24.12	12.94	9.68	AV
7	1.029	17.12	56.00	-38.88	7.40	9.72	QP
8	1.029	10.82	46.00	-35.18	1.09	9.72	AV
9	2.328	16.72	56.00	-39.28	6.92	9.79	QP
10	2.328	11.51	46.00	-34.49	1.71	9.79	AV
11	12.211	23.58	60.00	-36.42	13.35	10.23	QP
12	12.211	17.85	50.00	-32.15	7.62	10.23	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	Mesh Wi-Fi Router		
Test Item	Maximum peak conducted output power		
Test Mode	Mode 1: Transmit_Non-BF_EBM552U		
Date of Test	2021/01/25	Test Site	SR12-H
Temperature (°C)	20.0	Humidity (%RH)	60.0

11b					
Channel No.	Frequency (MHz)	Maximum peak conducted output power (dBm)			Limit (dBm)
		Ant. 0	Ant. 1	Total	
1	2412	21.460	20.380	23.964	≤ 30
6	2437	22.660	21.280	25.035	≤ 30
11	2462	21.620	20.910	24.290	≤ 30

The worst emission of data rate is 1Mbps

11g					
Channel No.	Frequency (MHz)	Maximum peak conducted output power (dBm)			Limit (dBm)
		Ant. 0	Ant. 1	Total	
1	2412	15.750	15.670	18.720	≤ 30
6	2437	22.240	21.860	25.064	≤ 30
11	2462	16.190	15.880	19.048	≤ 30

The worst emission of data rate is 6Mbps

Product	Mesh Wi-Fi Router		
Test Item	Maximum peak conducted output power		
Test Mode	Mode 1: Transmit_Non-BF_EBM552U		
Date of Test	2021/01/25	Test Site	SR12-H
Temperature (°C)	20.0	Humidity (%RH)	60.0

11ax(20M)					
Channel No.	Frequency (MHz)	Maximum peak conducted output power (dBm)			Limit (dBm)
		Ant. 0	Ant. 1	Total	
1	2412	16.160	16.010	19.096	≤30
6	2437	22.030	21.790	24.922	≤30
11	2462	16.660	16.500	19.591	≤30

The worst emission of data rate is MCS 0

11ax(40M)					
Channel No.	Frequency (MHz)	Maximum peak conducted output power (dBm)			Limit (dBm)
		Ant. 0	Ant. 1	Total	
3	2422	15.350	15.210	18.291	≤30
6	2437	16.960	16.940	19.960	≤30
9	2452	16.080	15.890	18.996	≤30

The worst emission of data rate is MCS 0

Product	Mesh Wi-Fi Router		
Test Item	Maximum peak conducted output power		
Test Mode	Mode 3: Transmit_BF		
Date of Test	2021/02/08	Test Site	SR12-H
Temperature (°C)	22.0	Humidity (%RH)	69.0

11ax(20M)					
Channel No.	Frequency (MHz)	Maximum peak conducted output power (dBm)			Limit (dBm)
		Ant. 0	Ant. 1	Total	
1	2412	15.700	15.630	18.675	≤ 29.256
6	2437	22.350	22.360	25.365	≤ 29.256
11	2462	16.050	16.130	19.100	≤ 29.256

The worst emission of data rate is MCS 0

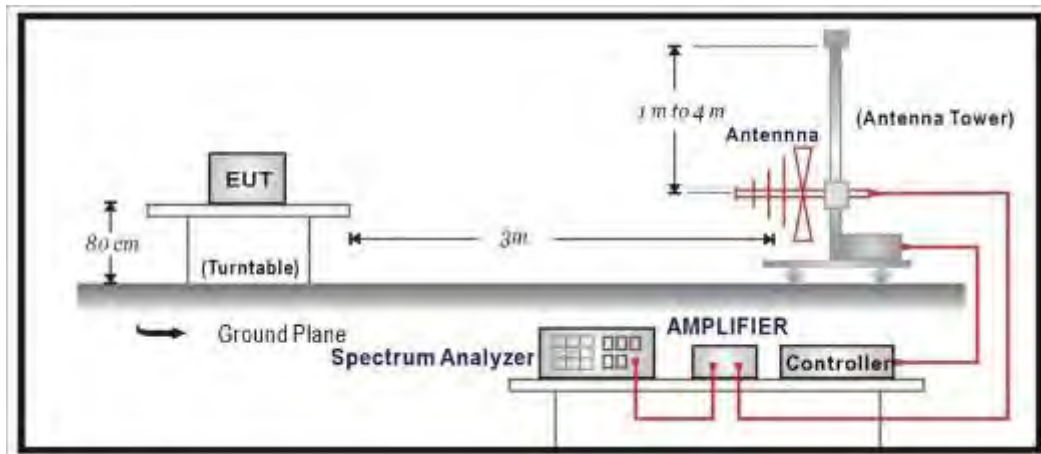
11ax(40M)					
Channel No.	Frequency (MHz)	Maximum peak conducted output power (dBm)			Limit (dBm)
		Ant. 0	Ant. 1	Total	
3	2422	15.270	15.310	18.300	≤ 29.256
6	2437	17.660	17.570	20.626	≤ 29.256
9	2452	16.680	16.560	19.631	≤ 29.256

The worst emission of data rate is MCS 0

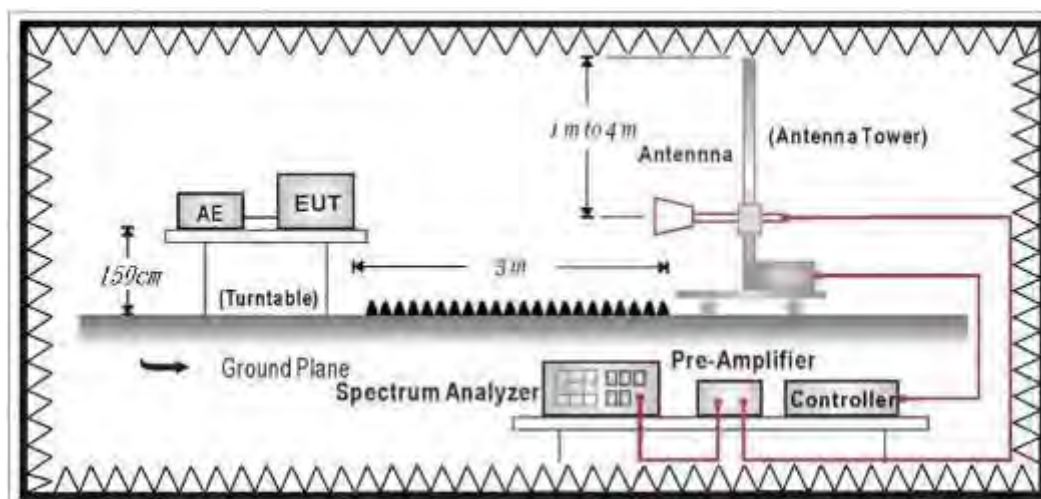
4. Radiated Emission

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.

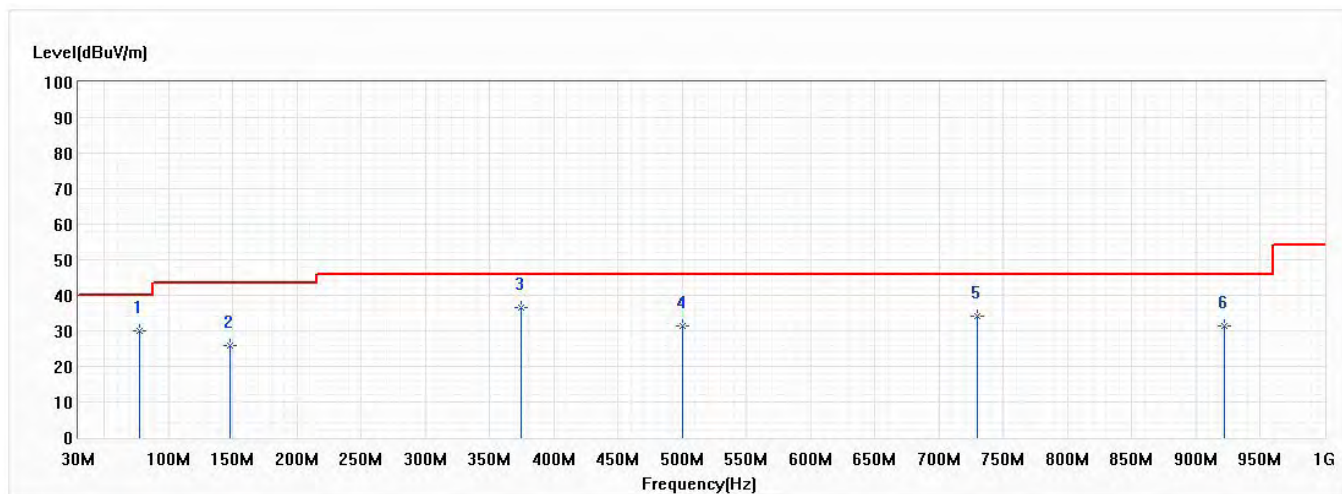
4.4. Test Specification

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

4.5. Test Result

30MHz-1GHz Spurious

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/2/19
Test Mode	Mode 1: Transmit Non-BF_EBM552U	Engineer	Scott Chang
Polarity	Horizontal	Temperature (°C)	22.3
Test Condition	802.11b,Ch6,2.437G,BW20M	Humidity (%RH)	53.9

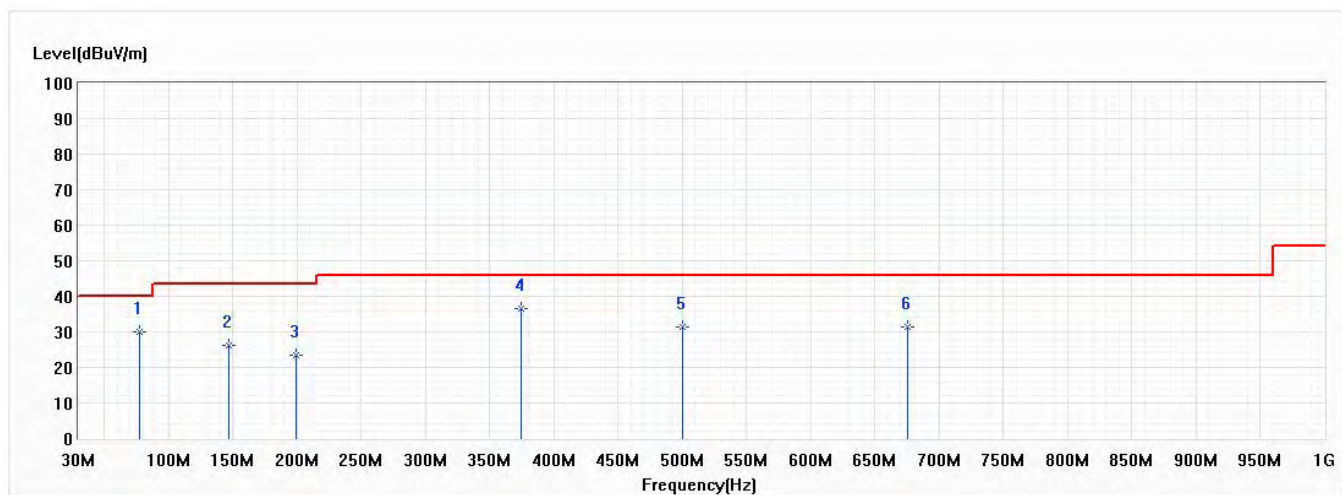


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	78.015	29.86	40.00	-10.14	37.83	-7.97	QP
2	148.340	25.85	43.50	-17.65	29.27	-3.42	QP
* 3	374.835	36.65	46.00	-9.35	35.44	1.21	QP
4	499.965	31.38	46.00	-14.62	27.60	3.78	QP
5	729.370	34.15	46.00	-11.85	27.69	6.46	QP
6	921.915	31.22	46.00	-14.78	22.28	8.94	QP

Note:

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

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/2/19
Test Mode	Mode 1: Transmit_Non-BF_EBM552U	Engineer	Scott Chang
Polarity	Vertical	Temperature (°C)	22.3
Test Condition	802.11b,Ch6,2.437G,BW20M	Humidity (%RH)	53.9

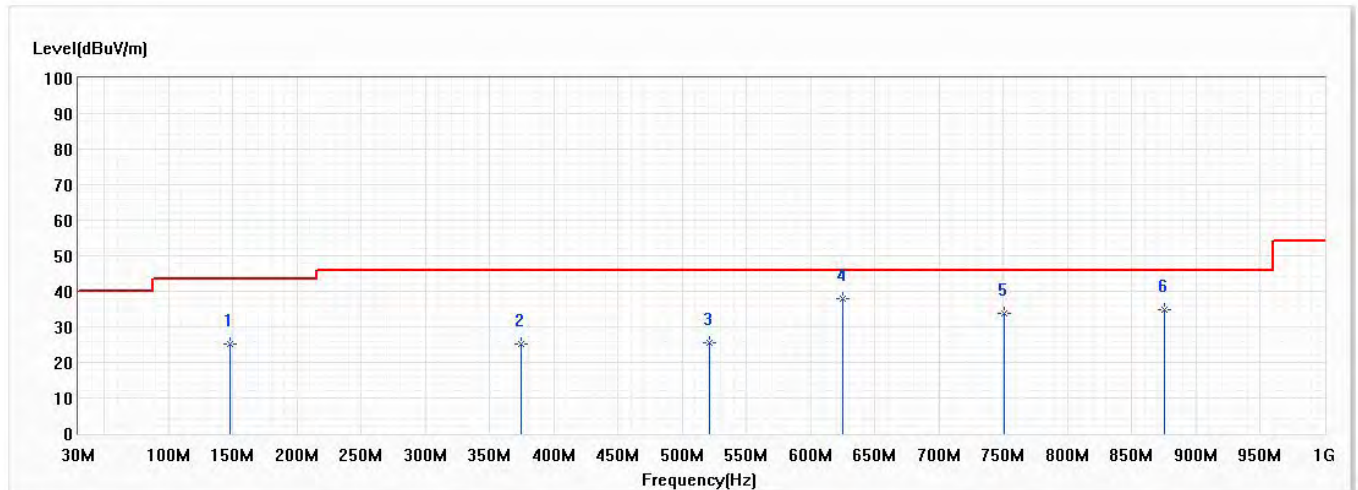


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	78.015	29.86	40.00	-10.14	37.83	-7.97	QP
2	146.885	26.17	43.50	-17.33	29.50	-3.33	QP
3	199.750	23.41	43.50	-20.09	28.26	-4.85	QP
* 4	374.835	36.65	46.00	-9.35	35.44	1.21	QP
5	499.965	31.38	46.00	-14.62	27.60	3.78	QP
6	675.050	31.23	46.00	-14.77	25.38	5.85	QP

Note:

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

Model No	EBM552	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/2/19
Test Mode	Mode 2: Transmit_Non-BF_EBM552	Engineer	Scott Chang
Polarity	Horizontal	Temperature (°C)	22.3
Test Condition	802.11b,Ch6,2.437G,BW20M	Humidity (%RH)	53.9

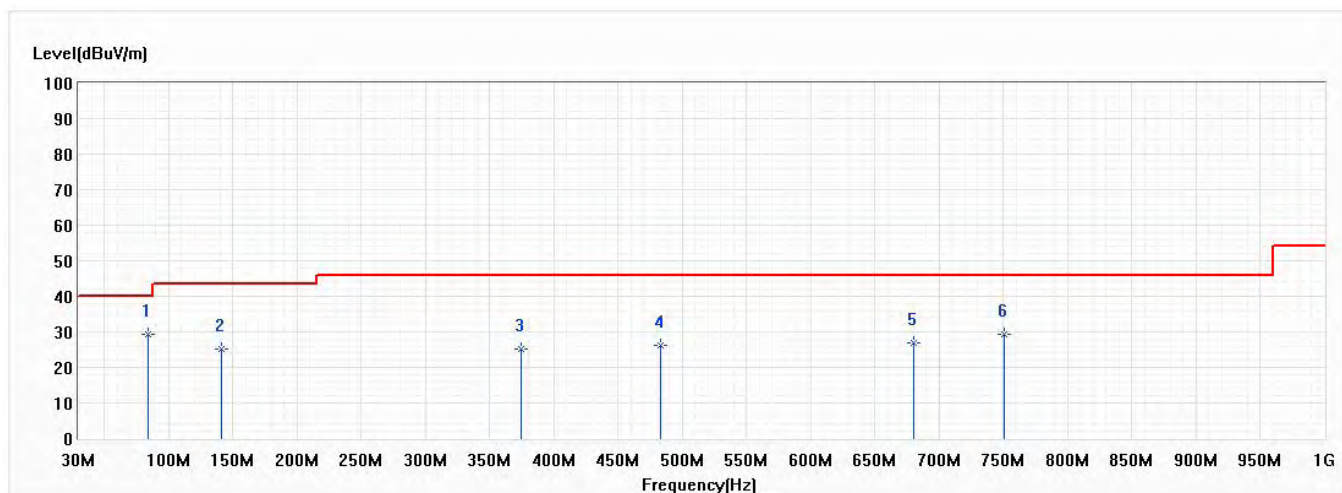


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	148.340	25.27	43.50	-18.23	28.69	-3.42	QP
2	374.835	25.28	46.00	-20.72	24.07	1.21	QP
3	521.305	25.68	46.00	-20.32	21.63	4.05	QP
* 4	625.095	38.10	46.00	-7.90	32.76	5.34	QP
5	750.225	33.79	46.00	-12.21	27.07	6.72	QP
6	875.355	34.69	46.00	-11.31	26.40	8.29	QP

Note:

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

Model No	EBM552	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/2/19
Test Mode	Mode 2: Transmit_Non-BF_EBM552	Engineer	Scott Chang
Polarity	Vertical	Temperature (°C)	22.3
Test Condition	802.11b,Ch6,2.437G,BW20M	Humidity (%RH)	53.9



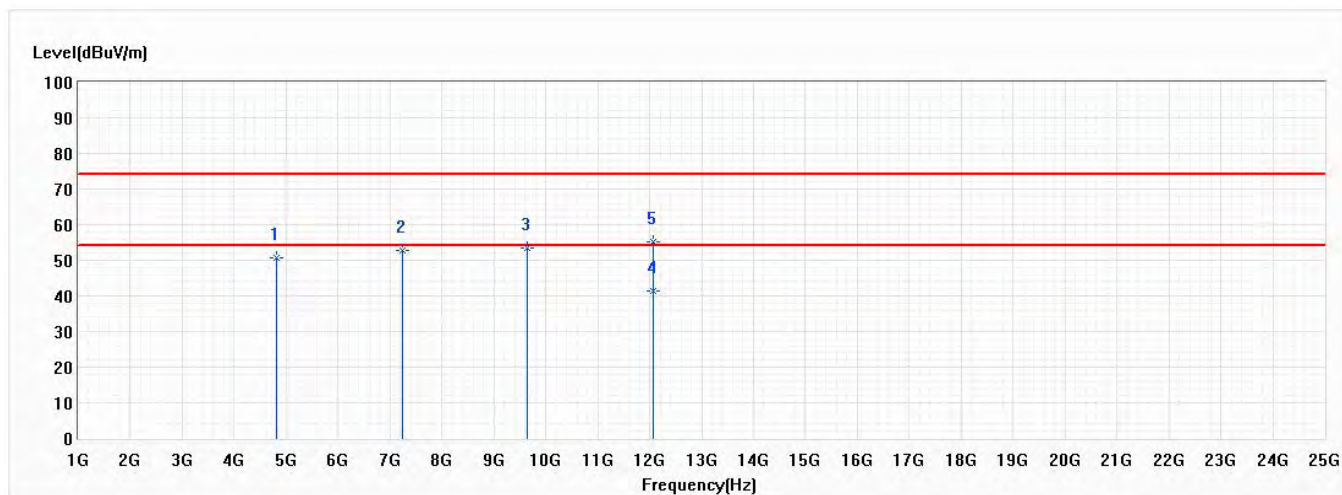
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	83.835	29.40	40.00	-10.60	36.69	-7.29	QP
2	141.550	25.01	43.50	-18.49	28.01	-3.00	QP
3	374.835	25.23	46.00	-20.77	24.02	1.21	QP
4	482.990	26.16	46.00	-19.84	22.67	3.49	QP
5	680.385	27.04	46.00	-18.96	21.15	5.89	QP
6	750.225	29.44	46.00	-16.56	22.72	6.72	QP

Note:

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

Above 1GHz Spurious

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/1/13
Test Mode	Mode 1: Transmit_Non-BF_EBM552U	Engineer	Carlos Chen
Polarity	Horizontal	Temperature (°C)	22.3
Test Condition	802.11b,Ch1,2.412G,BW20M	Humidity (%RH)	53.9

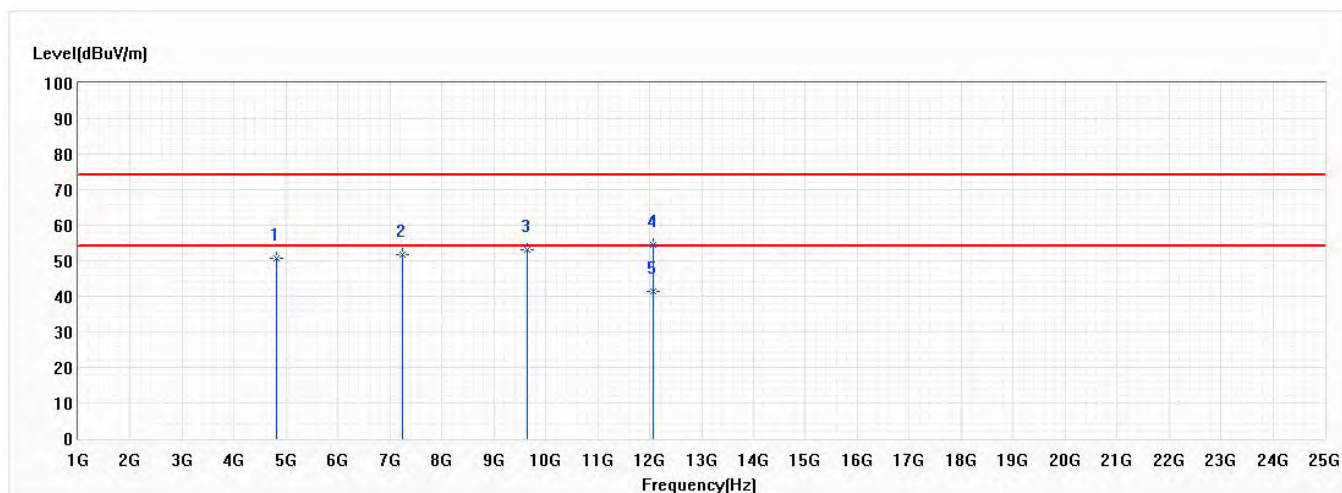


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	4824.000	50.57	74.00	-23.43	62.55	-11.98	PK
2	7236.000	52.92	74.00	-21.08	57.52	-4.60	PK
3	9648.000	53.50	74.00	-20.50	54.81	-1.31	PK
* 4	12060.000	41.45	54.00	-12.55	38.70	2.75	AV
5	12060.000	55.30	74.00	-18.70	52.55	2.75	PK

Note:

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

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/1/13
Test Mode	Mode 1: Transmit_Non-BF_EBM552U	Engineer	Carlos Chen
Polarity	Vertical	Temperature (°C)	22.3
Test Condition	802.11b,Ch1,2.412G,BW20M	Humidity (%RH)	53.9

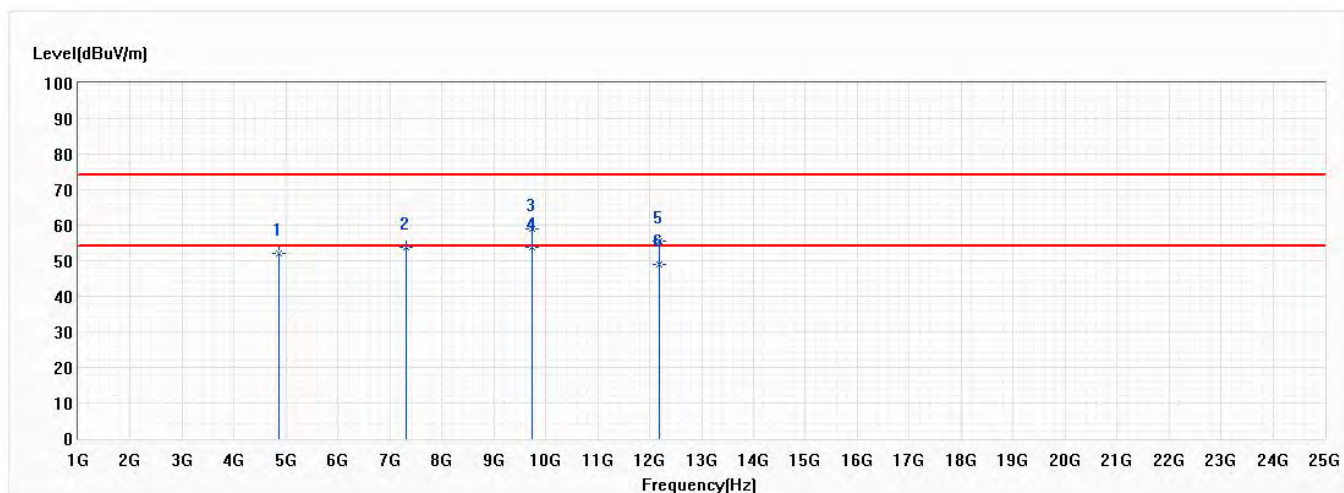


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	4824.000	50.54	74.00	-23.46	62.52	-11.98	PK
2	7236.000	51.67	74.00	-22.33	56.27	-4.60	PK
3	9648.000	53.14	74.00	-20.86	54.45	-1.31	PK
4	12060.000	54.57	74.00	-19.43	51.82	2.75	PK
* 5	12060.000	41.36	54.00	-12.64	38.61	2.75	AV

Note:

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

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/1/13
Test Mode	Mode 1: Transmit_Non-BF_EBM552U	Engineer	Carlos Chen
Polarity	Horizontal	Temperature (°C)	22.3
Test Condition	802.11b,Ch6,2.437G,BW20M	Humidity (%RH)	53.9

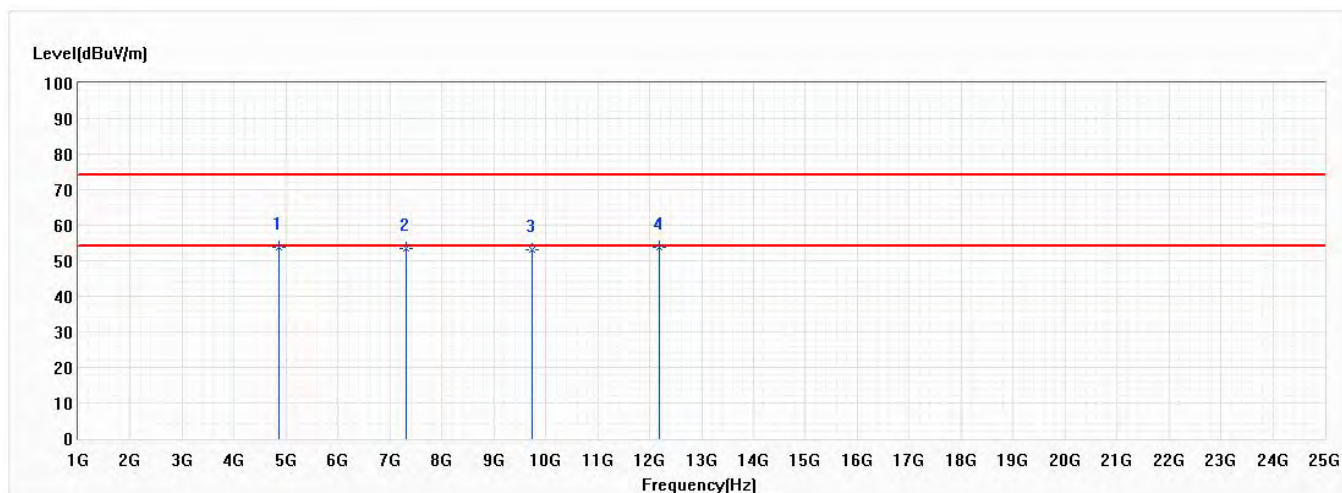


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	4874.000	52.22	74.00	-21.78	64.06	-11.84	PK
2	7311.000	53.78	74.00	-20.22	58.16	-4.38	PK
3	9748.000	59.12	74.00	-14.88	60.39	-1.27	PK
* 4	9748.000	53.91	54.00	-0.09	55.18	-1.27	AV
5	12185.000	55.46	74.00	-18.54	52.86	2.60	PK
6	12185.000	48.85	54.00	-5.15	46.25	2.60	AV

Note:

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

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/1/13
Test Mode	Mode 1: Transmit_Non-BF_EBM552U	Engineer	Carlos Chen
Polarity	Vertical	Temperature (°C)	22.3
Test Condition	802.11b,Ch6,2.437G,BW20M	Humidity (%RH)	53.9

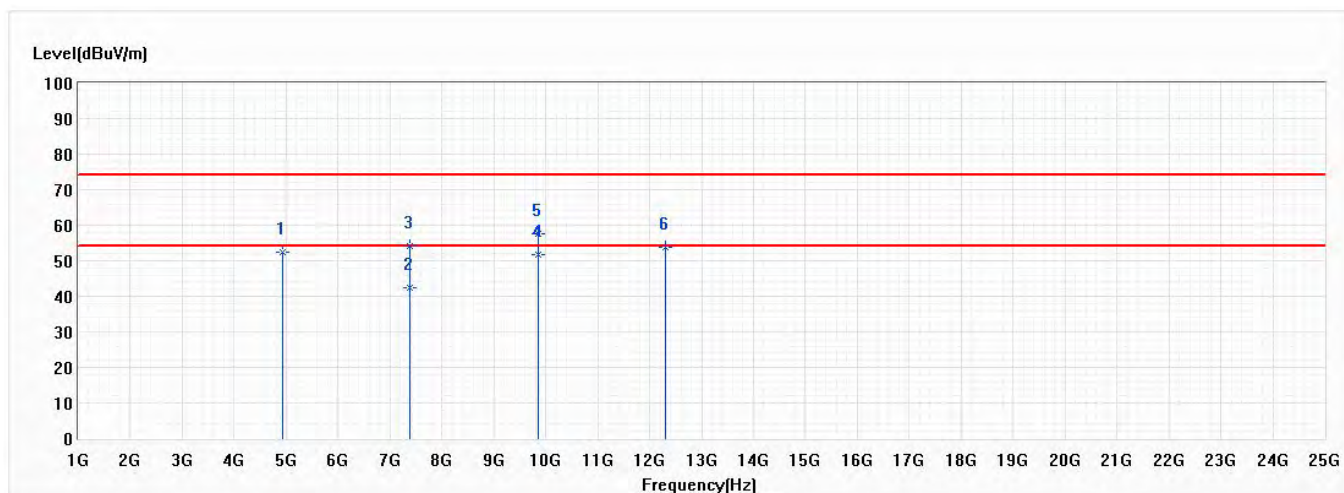


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	4874.000	53.72	74.00	-20.28	65.56	-11.84	PK
2	7311.000	53.39	74.00	-20.61	57.77	-4.38	PK
3	9748.000	53.09	74.00	-20.91	54.36	-1.27	PK
* 4	12185.000	53.83	74.00	-20.17	51.23	2.60	PK

Note:

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

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/1/13
Test Mode	Mode 1: Transmit_Non-BF_EBM552U	Engineer	Carlos Chen
Polarity	Horizontal	Temperature (°C)	22.3
Test Condition	802.11b,Ch11,2.462G,BW20M	Humidity (%RH)	53.9

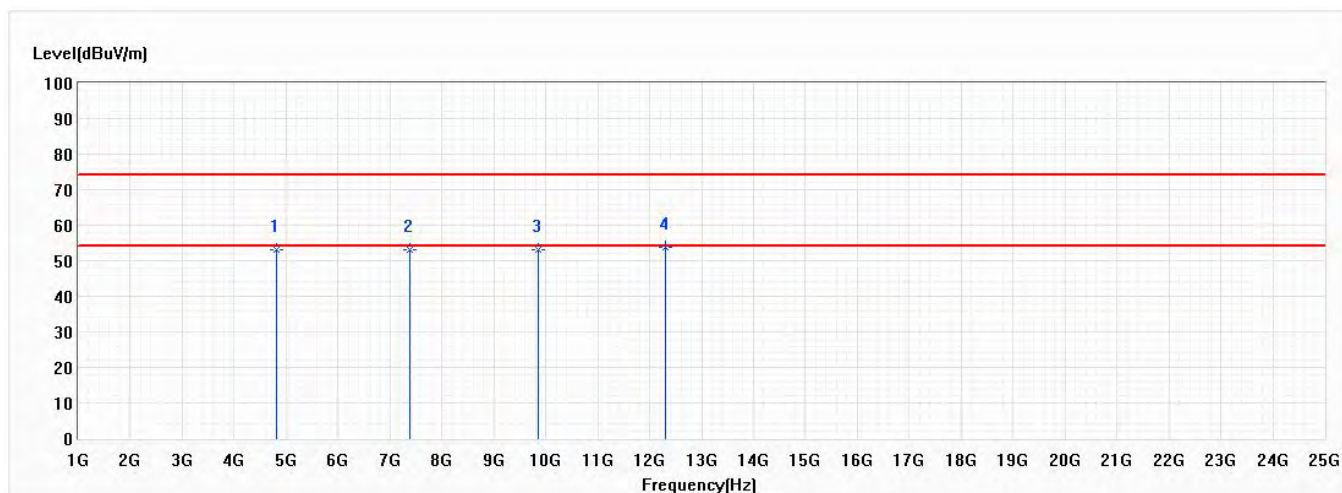


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	4924.000	52.48	74.00	-21.52	64.18	-11.70	PK
2	7386.000	42.44	54.00	-11.56	46.61	-4.17	AV
3	7386.000	54.13	74.00	-19.87	58.30	-4.17	PK
* 4	9848.000	51.68	54.00	-2.32	52.90	-1.22	AV
5	9848.000	57.56	74.00	-16.44	58.78	-1.22	PK
6	12310.000	53.76	74.00	-20.24	51.30	2.46	PK

Note:

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

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/1/13
Test Mode	Mode 1: Transmit_Non-BF_EBM552U	Engineer	Carlos Chen
Polarity	Vertical	Temperature (°C)	22.3
Test Condition	802.11b,Ch11,2.462G,BW20M	Humidity (%RH)	53.9

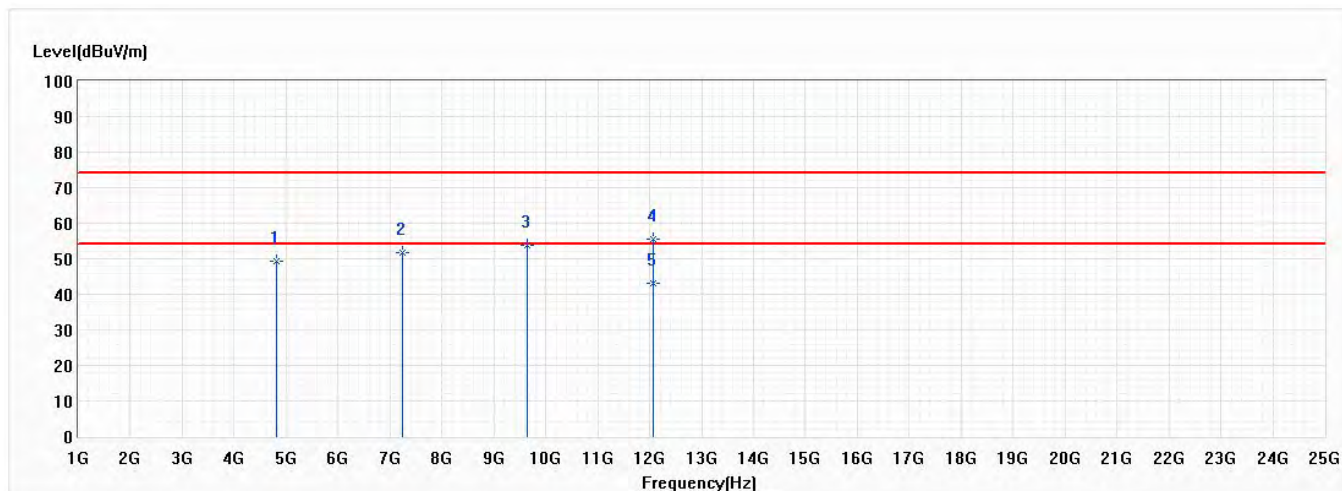


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	4824.000	53.08	74.00	-20.92	65.06	-11.98	PK
2	7386.000	53.02	74.00	-20.98	57.19	-4.17	PK
3	9848.000	53.21	74.00	-20.79	54.43	-1.22	PK
* 4	12310.000	53.91	74.00	-20.09	51.45	2.46	PK

Note:

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

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/1/13
Test Mode	Mode 1: Transmit_Non-BF_EBM552U	Engineer	Carlos Chen
Polarity	Horizontal	Temperature (°C)	22.3
Test Condition	802.11g,Ch1,2.412G,BW20M	Humidity (%RH)	53.9

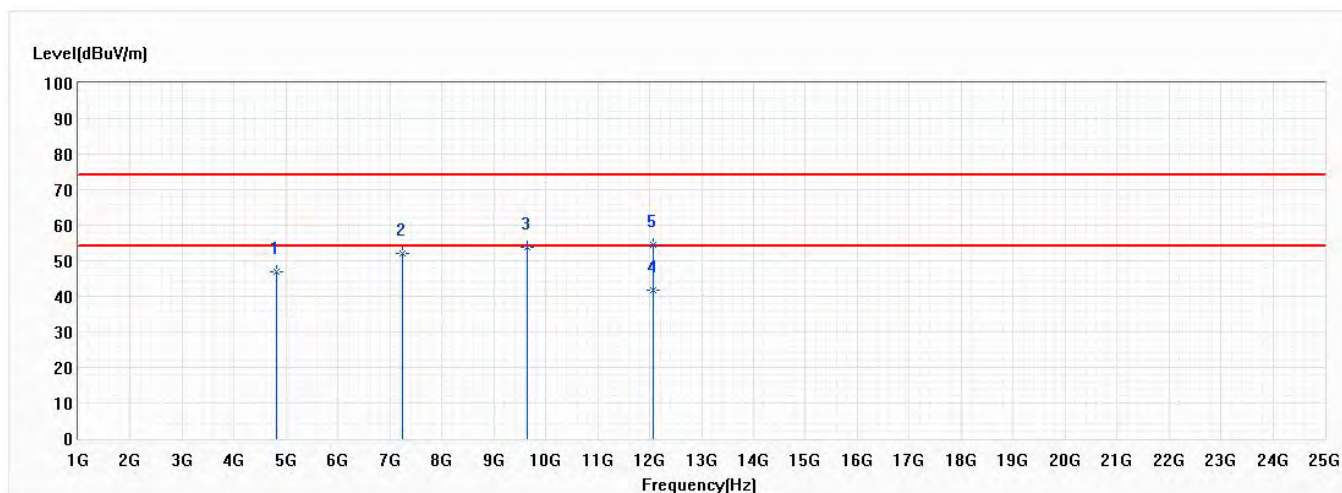


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	4824.000	49.36	74.00	-24.64	61.34	-11.98	PK
2	7236.000	51.63	74.00	-22.37	56.23	-4.60	PK
3	9648.000	53.88	74.00	-20.12	55.19	-1.31	PK
4	12060.000	55.37	74.00	-18.63	52.62	2.75	PK
* 5	12060.000	43.09	54.00	-10.91	40.34	2.75	AV

Note:

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

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/1/13
Test Mode	Mode 1: Transmit_Non-BF_EBM552U	Engineer	Carlos Chen
Polarity	Vertical	Temperature (°C)	22.3
Test Condition	802.11g,Ch1,2.412G,BW20M	Humidity (%RH)	53.9

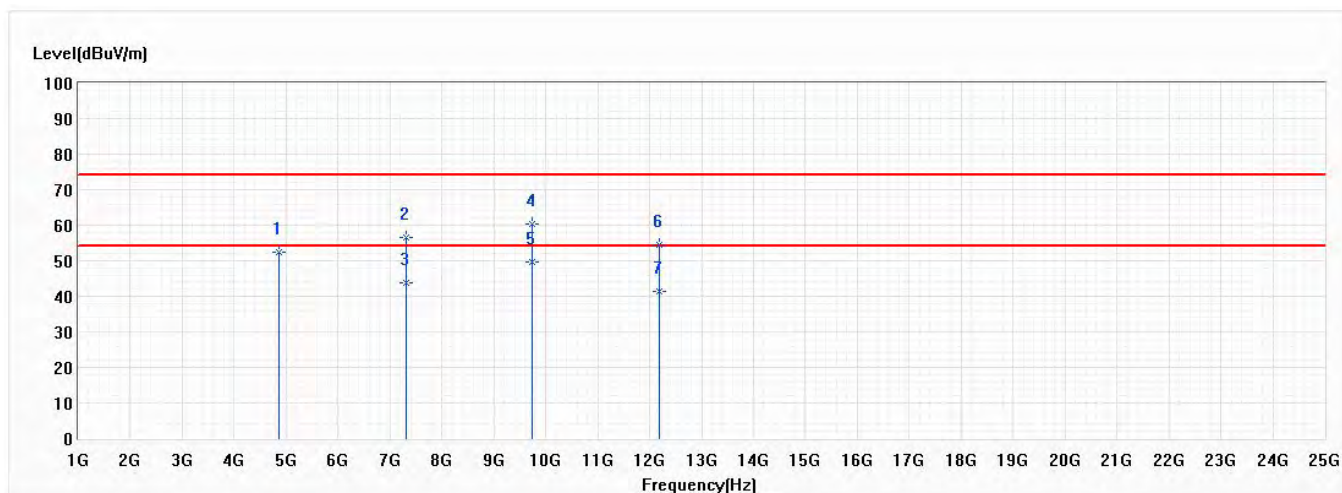


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	4824.000	47.06	74.00	-26.94	59.04	-11.98	PK
2	7236.000	51.92	74.00	-22.08	56.52	-4.60	PK
3	9648.000	53.66	74.00	-20.34	54.97	-1.31	PK
* 4	12060.000	41.87	54.00	-12.13	39.12	2.75	AV
5	12060.000	54.56	74.00	-19.44	51.81	2.75	PK

Note:

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

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/1/14
Test Mode	Mode 1: Transmit_Non-BF_EBM552U	Engineer	Carlos Chen
Polarity	Horizontal	Temperature (°C)	22.3
Test Condition	802.11g,Ch6,2.437G,BW20M	Humidity (%RH)	53.9

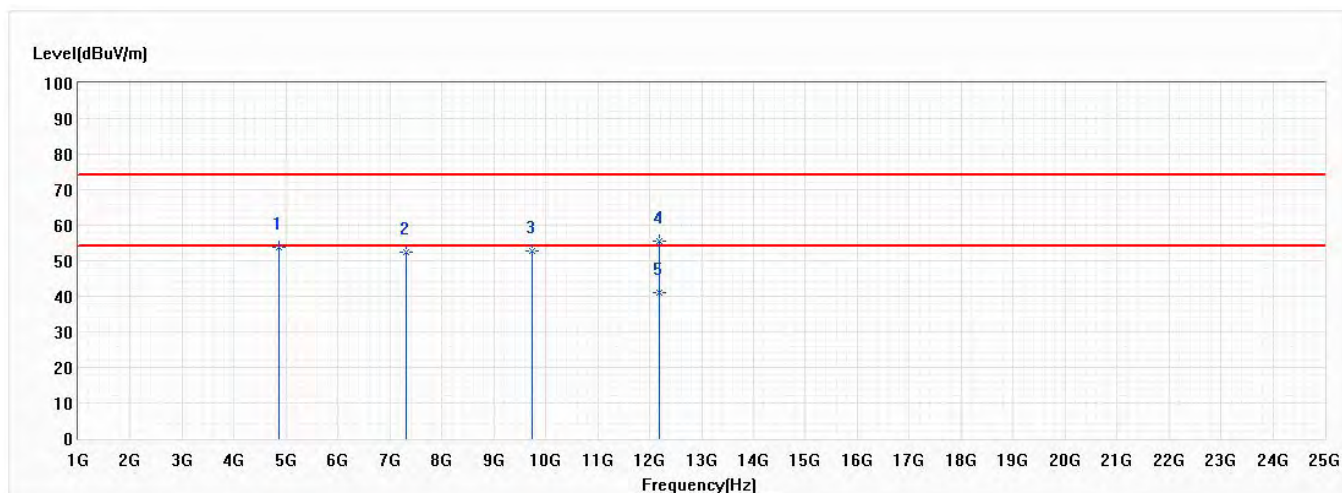


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	4874.000	52.37	74.00	-21.63	64.21	-11.84	PK
2	7311.000	56.65	74.00	-17.35	61.03	-4.38	PK
3	7311.000	43.86	54.00	-10.14	48.24	-4.38	AV
4	9748.000	60.26	74.00	-13.74	61.53	-1.27	PK
* 5	9748.000	49.56	54.00	-4.44	50.83	-1.27	AV
6	12185.000	54.46	74.00	-19.54	51.86	2.60	PK
7	12185.000	41.45	54.00	-12.55	38.85	2.60	AV

Note:

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

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/1/14
Test Mode	Mode 1: Transmit_Non-BF_EBM552U	Engineer	Carlos Chen
Polarity	Vertical	Temperature (°C)	22.3
Test Condition	802.11g,Ch6,2.437G,BW20M	Humidity (%RH)	53.9

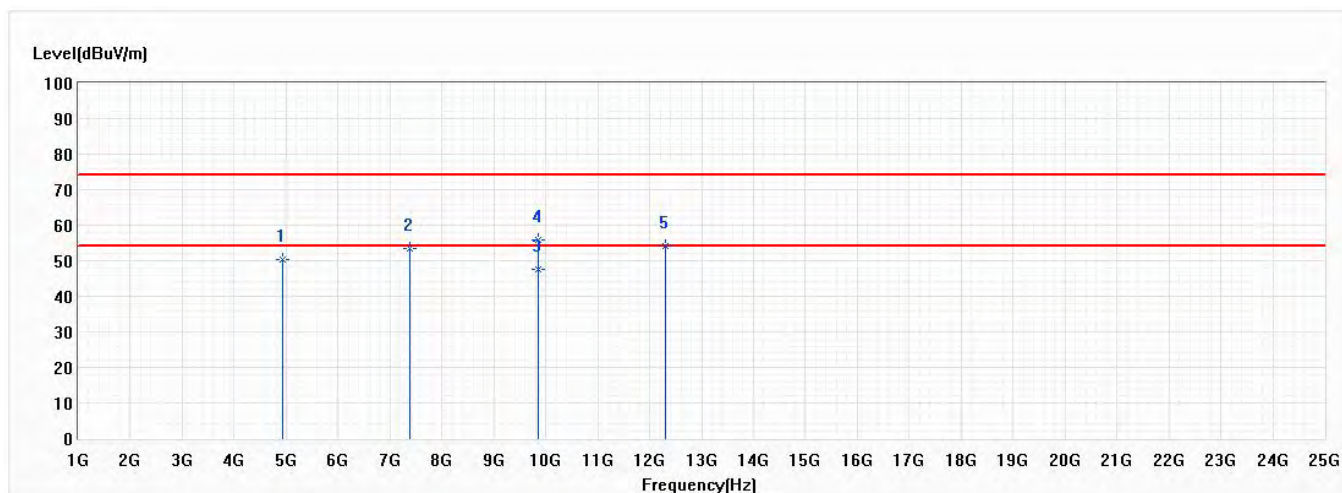


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	4874.000	53.67	74.00	-20.33	65.51	-11.84	PK
2	7311.000	52.53	74.00	-21.47	56.91	-4.38	PK
3	9748.000	52.77	74.00	-21.23	54.04	-1.27	PK
4	12185.000	55.45	74.00	-18.55	52.85	2.60	PK
* 5	12185.000	41.15	54.00	-12.85	38.55	2.60	AV

Note:

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

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/1/14
Test Mode	Mode 1: Transmit_Non-BF_EBM552U	Engineer	Carlos Chen
Polarity	Horizontal	Temperature (°C)	22.3
Test Condition	802.11g,Ch11,2.462G,BW20M	Humidity (%RH)	53.9

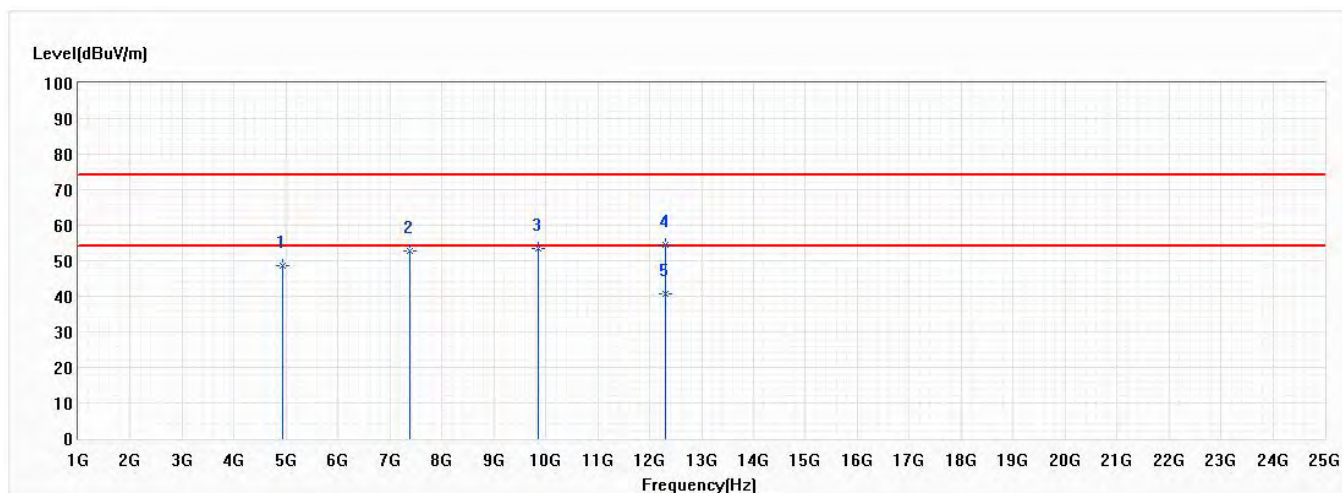


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	4924.000	50.34	74.00	-23.66	62.04	-11.70	PK
2	7386.000	53.56	74.00	-20.44	57.73	-4.17	PK
* 3	9848.000	47.72	54.00	-6.28	48.94	-1.22	AV
4	9848.000	55.89	74.00	-18.11	57.11	-1.22	PK
5	12310.000	53.98	74.00	-20.02	51.52	2.46	PK

Note:

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

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/1/14
Test Mode	Mode 1: Transmit_Non-BF_EBM552U	Engineer	Carlos Chen
Polarity	Vertical	Temperature (°C)	22.3
Test Condition	802.11g,Ch11,2.462G,BW20M	Humidity (%RH)	53.9

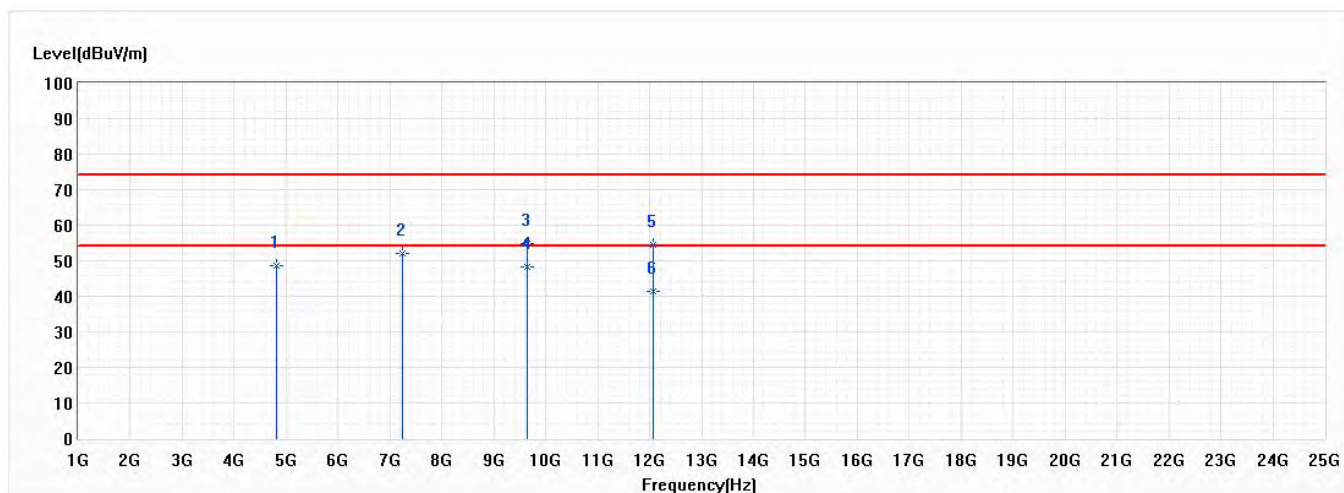


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	4924.000	48.60	74.00	-25.40	60.30	-11.70	PK
2	7386.000	52.64	74.00	-21.36	56.81	-4.17	PK
3	9848.000	53.62	74.00	-20.38	54.84	-1.22	PK
4	12310.000	54.57	74.00	-19.43	52.11	2.46	PK
* 5	12310.000	40.85	54.00	-13.15	38.39	2.46	AV

Note:

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

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/1/14
Test Mode	Mode 1: Transmit_Non-BF_EBM552U	Engineer	Carlos Chen
Polarity	Horizontal	Temperature (°C)	22.3
Test Condition	802.11ax20,Ch1,2.412G,BW20M	Humidity (%RH)	53.9

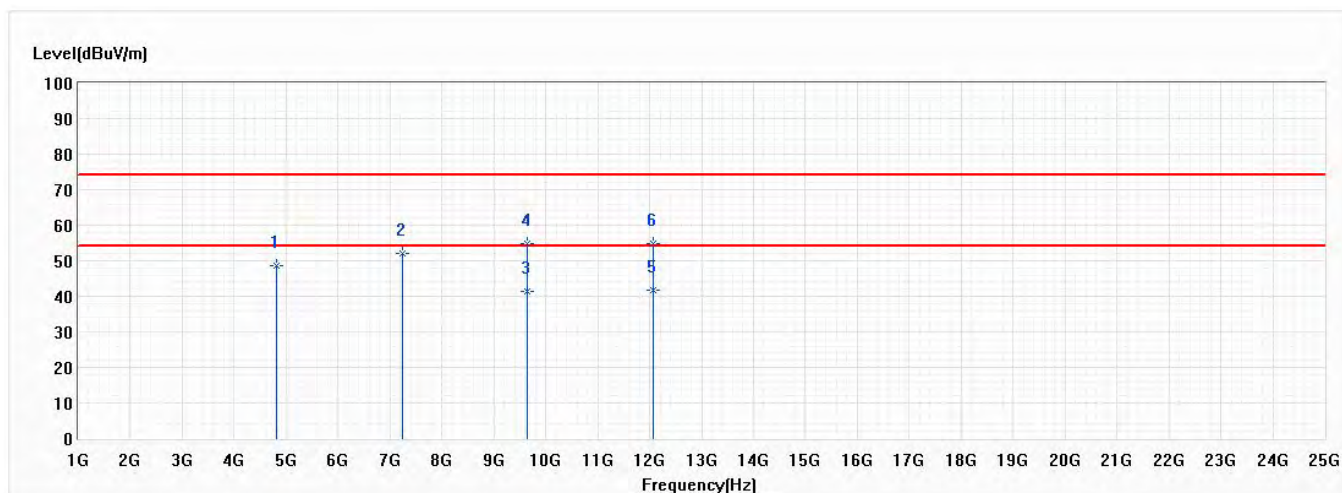


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	4824.000	48.65	74.00	-25.35	60.63	-11.98	PK
2	7236.000	51.94	74.00	-22.06	56.54	-4.60	PK
3	9648.000	54.67	74.00	-19.33	55.98	-1.31	PK
* 4	9648.000	48.28	54.00	-5.72	49.59	-1.31	AV
5	12060.000	54.59	74.00	-19.41	51.84	2.75	PK
6	12060.000	41.35	54.00	-12.65	38.60	2.75	AV

Note:

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

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/1/14
Test Mode	Mode 1: Transmit_Non-BF_EBM552U	Engineer	Carlos Chen
Polarity	Vertical	Temperature (°C)	22.3
Test Condition	802.11ax20,Ch1,2.412G,BW20M	Humidity (%RH)	53.9



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	4824.000	48.56	74.00	-25.44	60.54	-11.98	PK
2	7236.000	51.96	74.00	-22.04	56.56	-4.60	PK
3	9648.000	41.55	54.00	-12.45	42.86	-1.31	AV
4	9648.000	54.78	74.00	-19.22	56.09	-1.31	PK
* 5	12060.000	41.56	54.00	-12.44	38.81	2.75	AV
6	12060.000	54.78	74.00	-19.22	52.03	2.75	PK

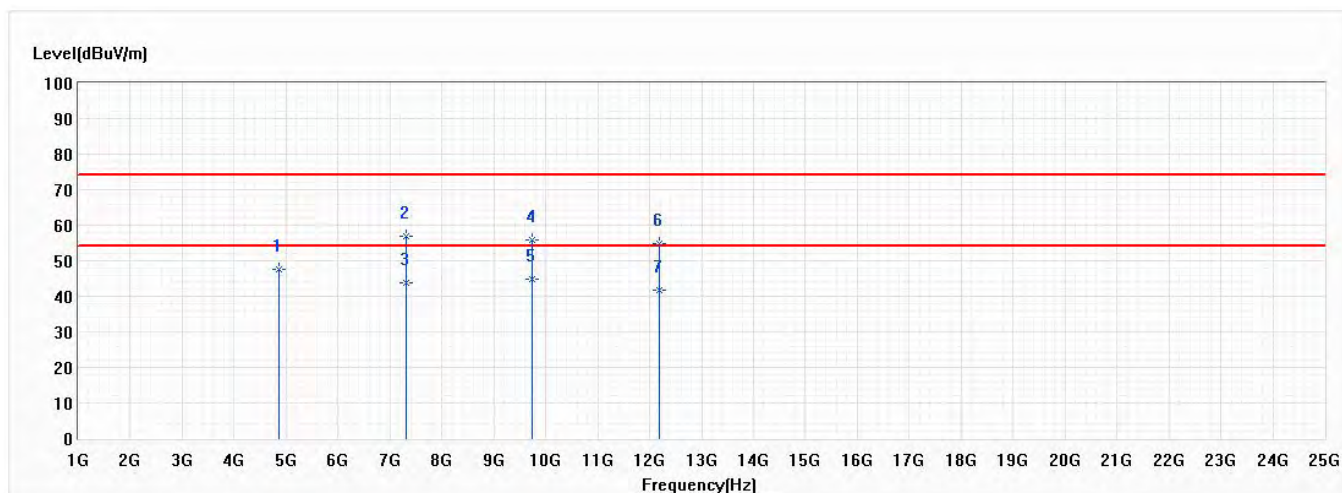
Note:

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

Note:

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

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/1/14
Test Mode	Mode 1: Transmit_Non-BF_EBM552U	Engineer	Carlos Chen
Polarity	Horizontal	Temperature (°C)	22.3
Test Condition	802.11ax20,Ch6,2.437G,BW20M	Humidity (%RH)	53.9

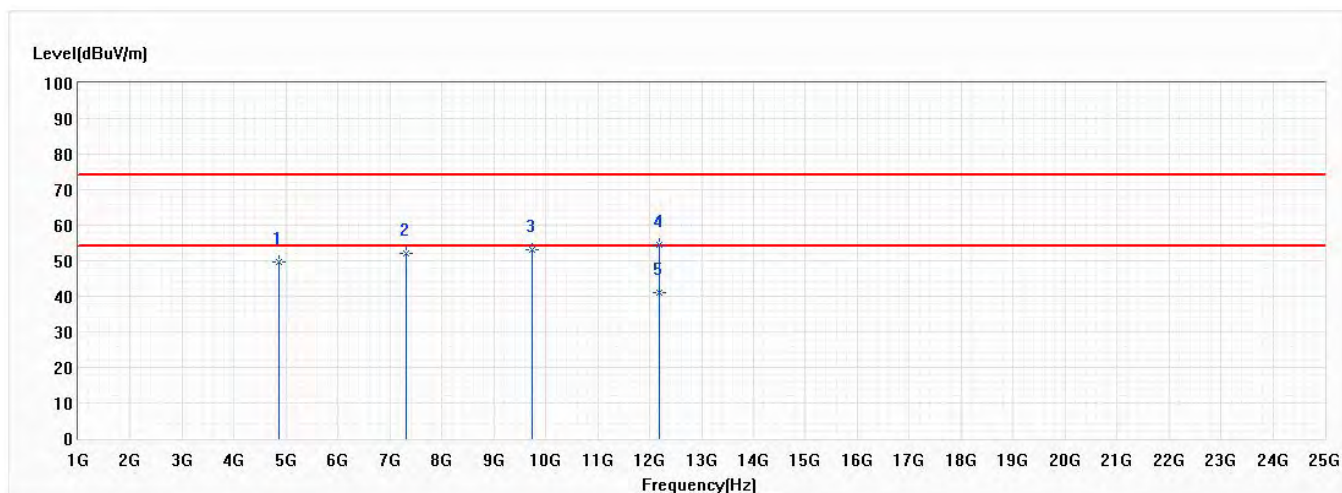


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	4874.000	47.53	74.00	-26.47	59.37	-11.84	PK
2	7311.000	56.95	74.00	-17.05	61.33	-4.38	PK
3	7311.000	43.81	54.00	-10.19	48.19	-4.38	AV
4	9748.000	55.96	74.00	-18.04	57.23	-1.27	PK
* 5	9748.000	44.82	54.00	-9.18	46.09	-1.27	AV
6	12185.000	54.81	74.00	-19.19	52.21	2.60	PK
7	12185.000	41.56	54.00	-12.44	38.96	2.60	AV

Note:

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

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/1/14
Test Mode	Mode 1: Transmit_Non-BF_EBM552U	Engineer	Carlos Chen
Polarity	Vertical	Temperature (°C)	22.3
Test Condition	802.11ax20,Ch6,2.437G,BW20M	Humidity (%RH)	53.9

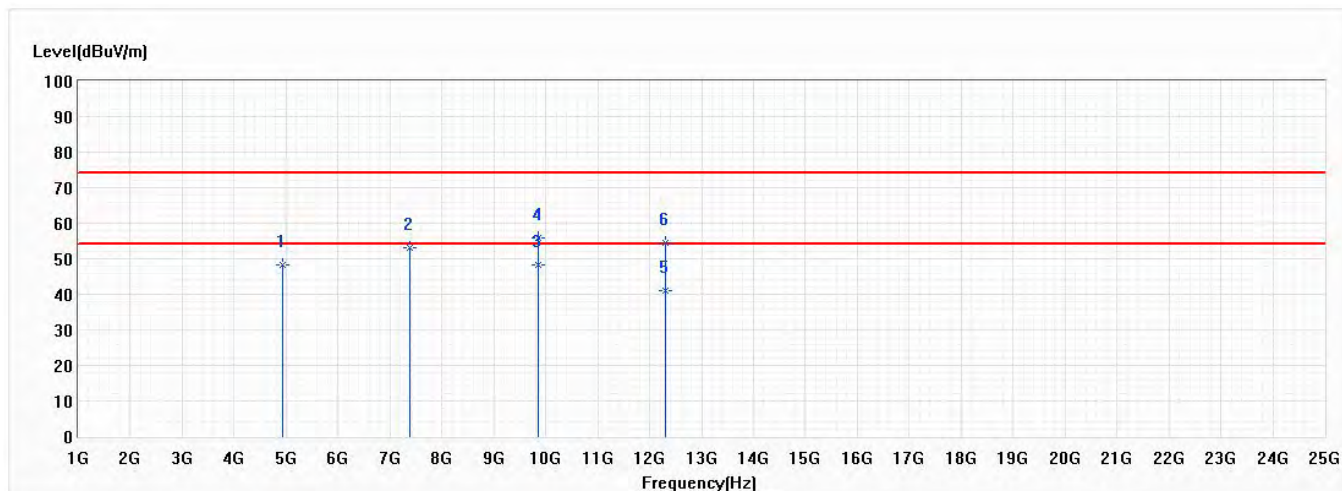


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	4874.000	49.65	74.00	-24.35	61.49	-11.84	PK
2	7311.000	52.09	74.00	-21.91	56.47	-4.38	PK
3	9748.000	53.24	74.00	-20.76	54.51	-1.27	PK
4	12185.000	54.52	74.00	-19.48	51.92	2.60	PK
* 5	12185.000	40.93	54.00	-13.07	38.33	2.60	AV

Note:

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

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/1/14
Test Mode	Mode 1: Transmit_Non-BF_EBM552U	Engineer	Carlos Chen
Polarity	Horizontal	Temperature (°C)	22.3
Test Condition	802.11ax20,Ch11,2.462G,BW20M	Humidity (%RH)	53.9

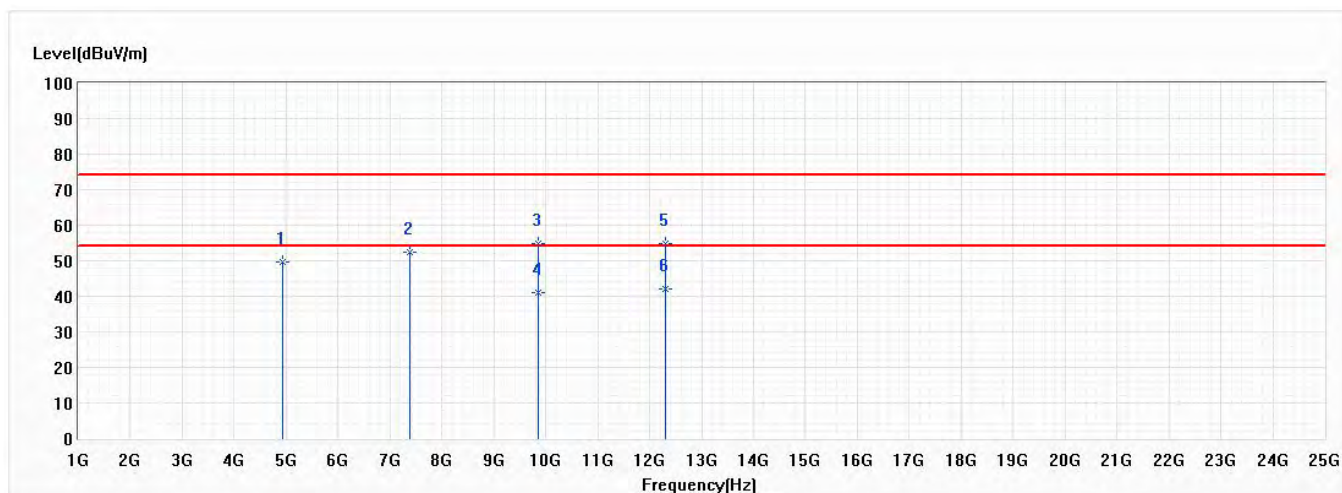


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	4924.000	48.22	74.00	-25.78	59.92	-11.70	PK
2	7386.000	53.22	74.00	-20.78	57.39	-4.17	PK
* 3	9848.000	48.11	54.00	-5.89	49.33	-1.22	AV
4	9848.000	55.75	74.00	-18.25	56.97	-1.22	PK
5	12310.000	40.90	54.00	-13.10	38.44	2.46	AV
6	12310.000	54.34	74.00	-19.66	51.88	2.46	PK

Note:

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

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/1/14
Test Mode	Mode 1: Transmit_Non-BF_EBM552U	Engineer	Carlos Chen
Polarity	Vertical	Temperature (°C)	22.3
Test Condition	802.11ax20,Ch11,2.462G,BW20M	Humidity (%RH)	53.9

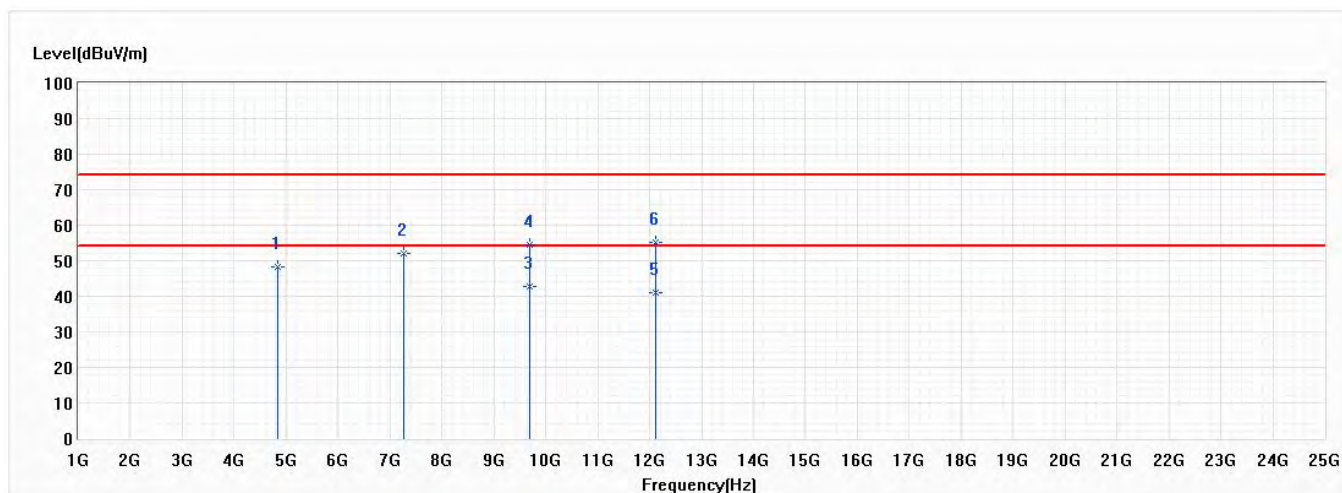


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	4924.000	49.63	74.00	-24.37	61.33	-11.70	PK
2	7386.000	52.45	74.00	-21.55	56.62	-4.17	PK
3	9848.000	54.86	74.00	-19.14	56.08	-1.22	PK
4	9848.000	41.08	54.00	-12.92	42.30	-1.22	AV
5	12310.000	54.96	74.00	-19.04	52.50	2.46	PK
* 6	12310.000	42.04	54.00	-11.96	39.58	2.46	AV

Note:

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

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/1/14
Test Mode	Mode 1: Transmit_Non-BF_EBM552U	Engineer	Carlos Chen
Polarity	Horizontal	Temperature (°C)	22.3
Test Condition	802.11ax40,Ch3,2.422G,BW40M	Humidity (%RH)	53.9

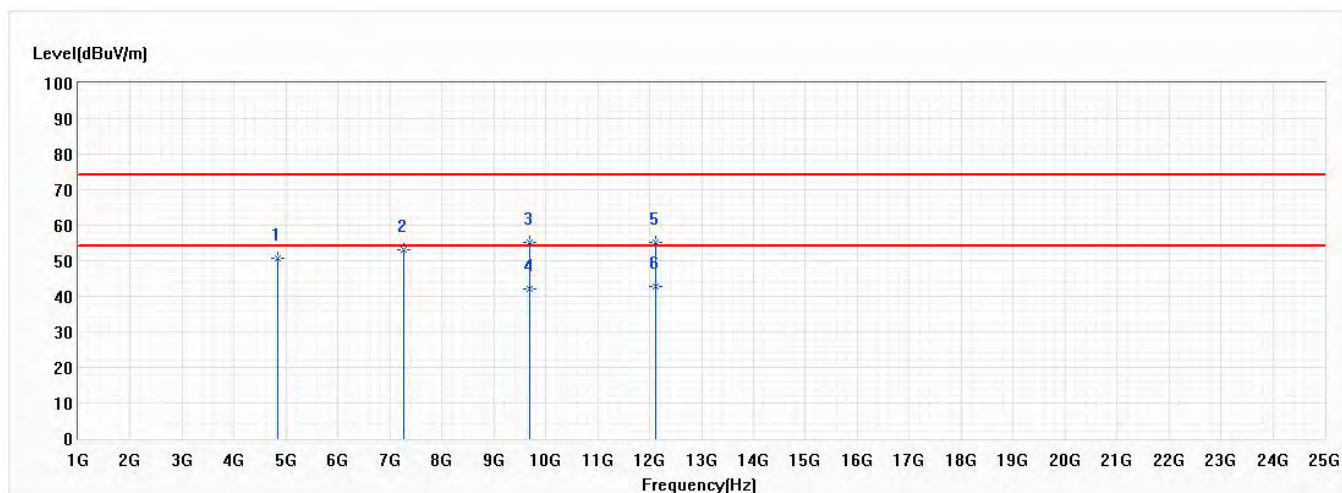


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	4844.000	48.29	74.00	-25.71	60.22	-11.93	PK
2	7266.000	52.19	74.00	-21.81	56.70	-4.51	PK
* 3	9688.000	42.93	54.00	-11.07	44.23	-1.30	AV
4	9688.000	54.59	74.00	-19.41	55.89	-1.30	PK
5	12110.000	41.06	54.00	-12.94	38.38	2.68	AV
6	12110.000	55.10	74.00	-18.90	52.42	2.68	PK

Note:

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

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/1/14
Test Mode	Mode 1: Transmit_Non-BF_EBM552U	Engineer	Carlos Chen
Polarity	Vertical	Temperature (°C)	22.3
Test Condition	802.11ax40,Ch3,2.422G,BW40M	Humidity (%RH)	53.9

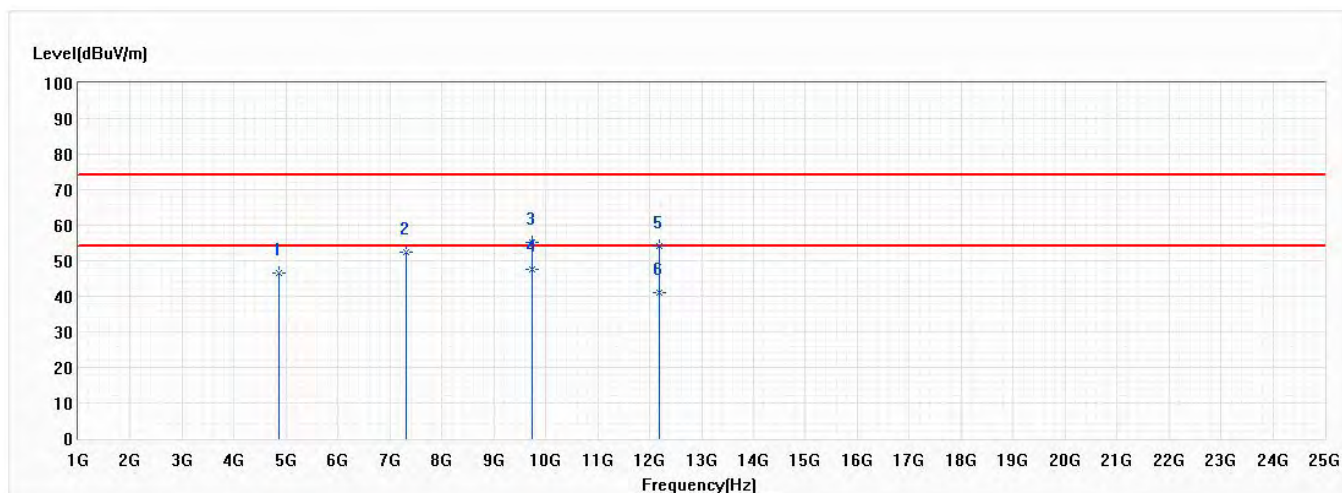


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	4844.000	50.63	74.00	-23.37	62.56	-11.93	PK
2	7266.000	53.07	74.00	-20.93	57.58	-4.51	PK
3	9688.000	55.06	74.00	-18.94	56.36	-1.30	PK
4	9688.000	42.08	54.00	-11.92	43.38	-1.30	AV
5	12110.000	55.18	74.00	-18.82	52.50	2.68	PK
* 6	12110.000	42.63	54.00	-11.37	39.95	2.68	AV

Note:

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

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/1/15
Test Mode	Mode 1: Transmit_Non-BF_EBM552U	Engineer	Carlos Chen
Polarity	Horizontal	Temperature (°C)	22.3
Test Condition	802.11ax40,Ch6,2.437G,BW40M	Humidity (%RH)	53.9

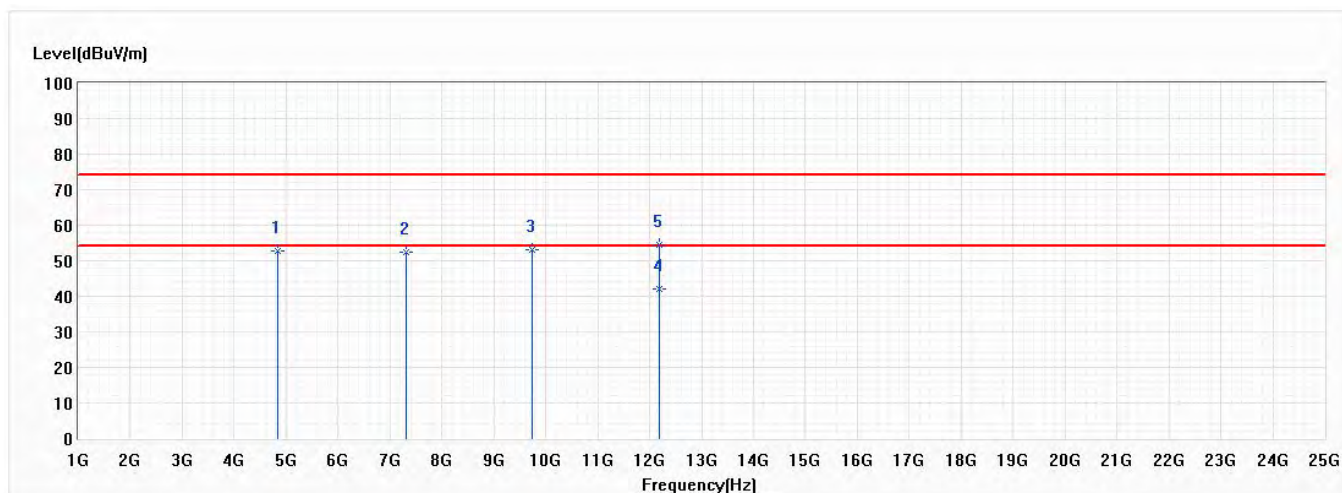


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	4874.000	46.60	74.00	-27.40	58.44	-11.84	PK
2	7311.000	52.55	74.00	-21.45	56.93	-4.38	PK
3	9748.000	55.26	74.00	-18.74	56.53	-1.27	PK
* 4	9748.000	47.55	54.00	-6.45	48.82	-1.27	AV
5	12185.000	54.19	74.00	-19.81	51.59	2.60	PK
6	12185.000	40.91	54.00	-13.09	38.31	2.60	AV

Note:

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

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/1/15
Test Mode	Mode 1: Transmit_Non-BF_EBM552U	Engineer	Carlos Chen
Polarity	Vertical	Temperature (°C)	22.3
Test Condition	802.11ax40,Ch6,2.437G,BW40M	Humidity (%RH)	53.9

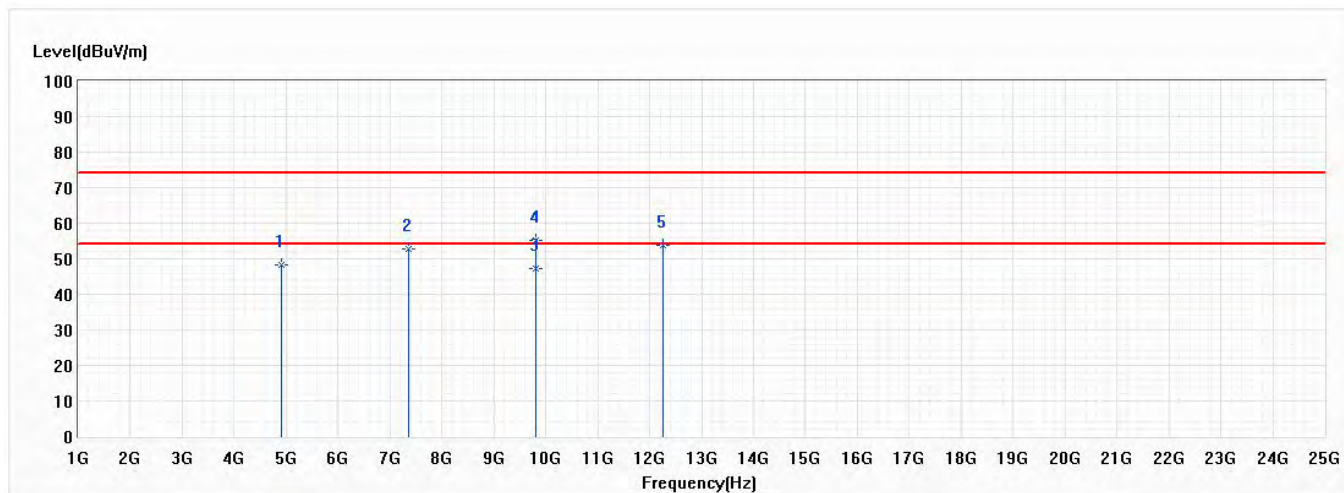


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	4844.000	52.79	74.00	-21.21	64.72	-11.93	PK
2	7311.000	52.28	74.00	-21.72	56.66	-4.38	PK
3	9748.000	53.17	74.00	-20.83	54.44	-1.27	PK
* 4	12185.000	42.09	54.00	-11.91	39.49	2.60	AV
5	12185.000	54.56	74.00	-19.44	51.96	2.60	PK

Note:

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

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/1/15
Test Mode	Mode 1: Transmit_Non-BF_EBM552U	Engineer	Carlos Chen
Polarity	Horizontal	Temperature (°C)	22.3
Test Condition	802.11ax40,Ch9,2.452G,BW40M	Humidity (%RH)	53.9

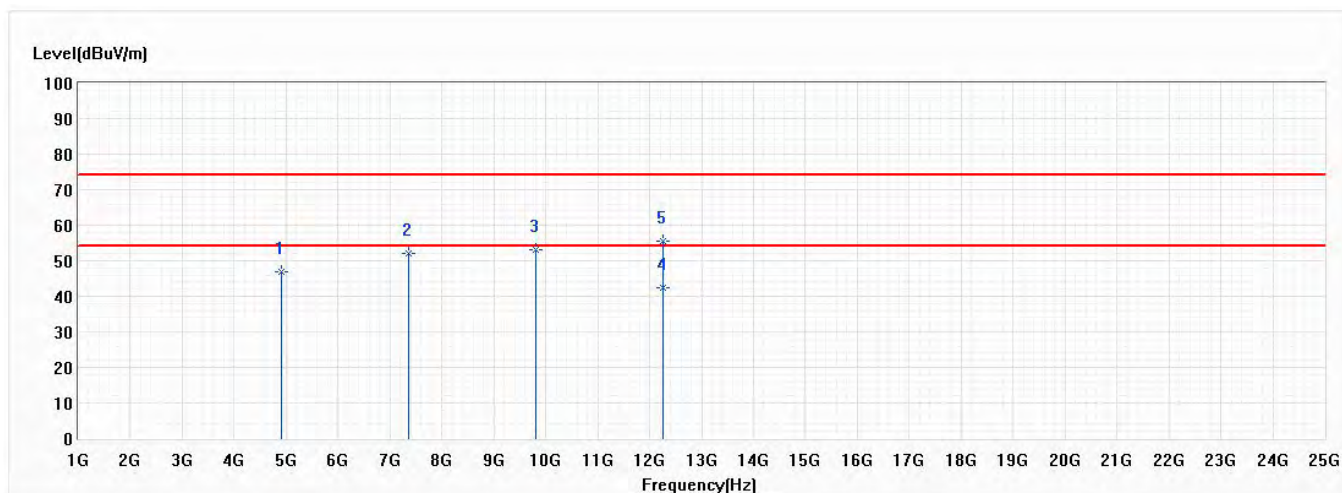


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	4904.000	48.23	74.00	-25.77	59.99	-11.76	PK
2	7356.000	52.89	74.00	-21.11	57.14	-4.25	PK
* 3	9808.000	47.21	54.00	-6.79	48.45	-1.24	AV
4	9808.000	55.19	74.00	-18.81	56.43	-1.24	PK
5	12260.000	53.79	74.00	-20.21	51.28	2.51	PK

Note:

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

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/1/15
Test Mode	Mode 1: Transmit_Non-BF_EBM552U	Engineer	Carlos Chen
Polarity	Vertical	Temperature (°C)	22.3
Test Condition	802.11ax40,Ch9,2.452G,BW40M	Humidity (%RH)	53.9



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	4904.000	47.06	74.00	-26.94	58.82	-11.76	PK
2	7356.000	51.90	74.00	-22.10	56.15	-4.25	PK
3	9808.000	53.14	74.00	-20.86	54.38	-1.24	PK
* 4	12260.000	42.46	54.00	-11.54	39.95	2.51	AV
5	12260.000	55.59	74.00	-18.41	53.08	2.51	PK

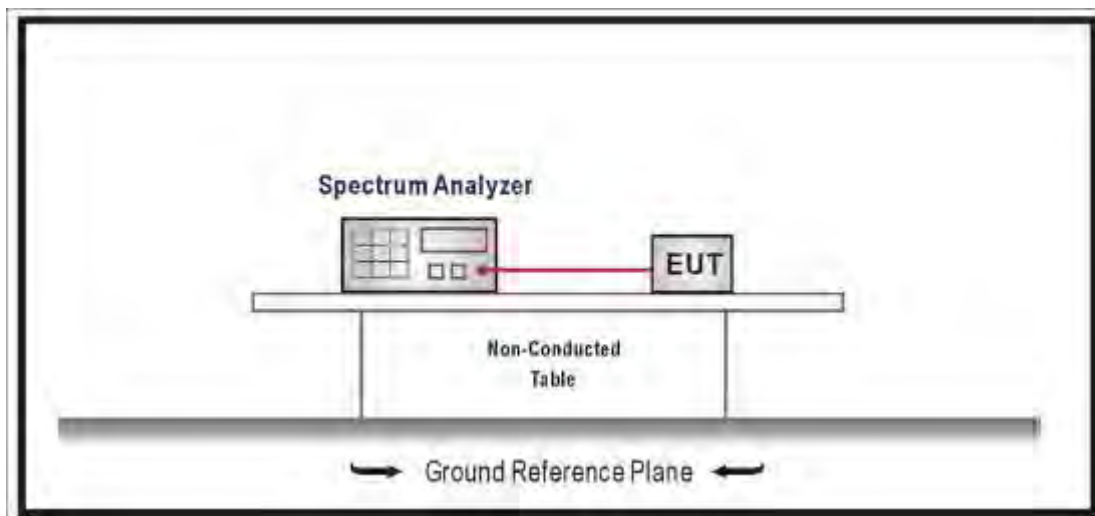
Note:

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

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

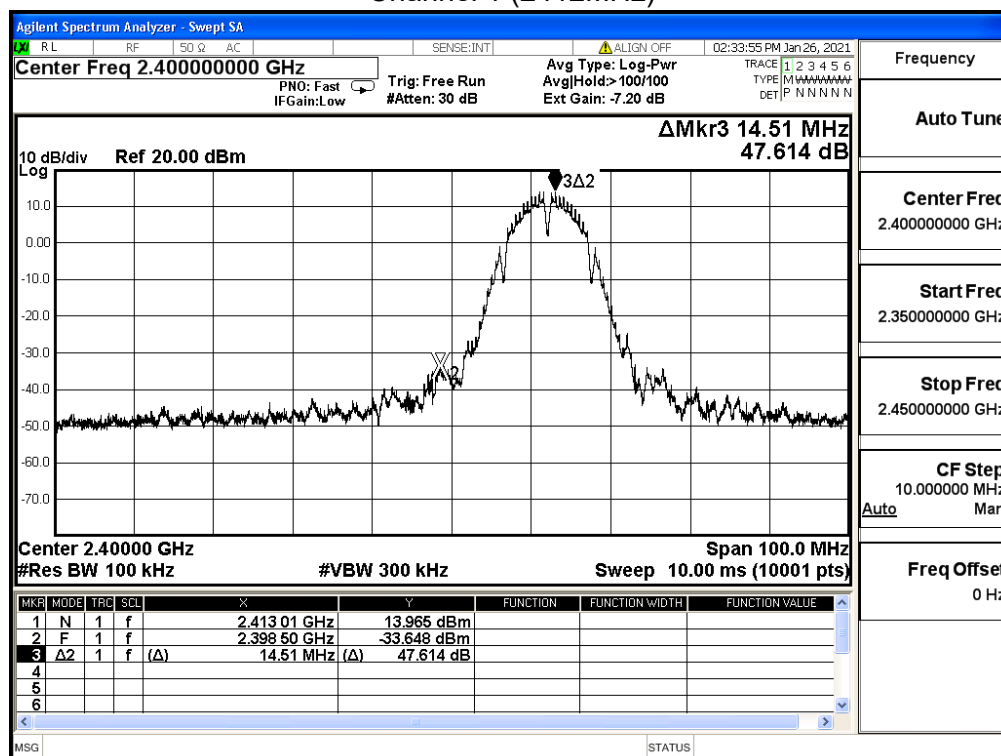
According to FCC Part 15 Subpart C Paragraph 15.247: 2019

5.5. Test Result

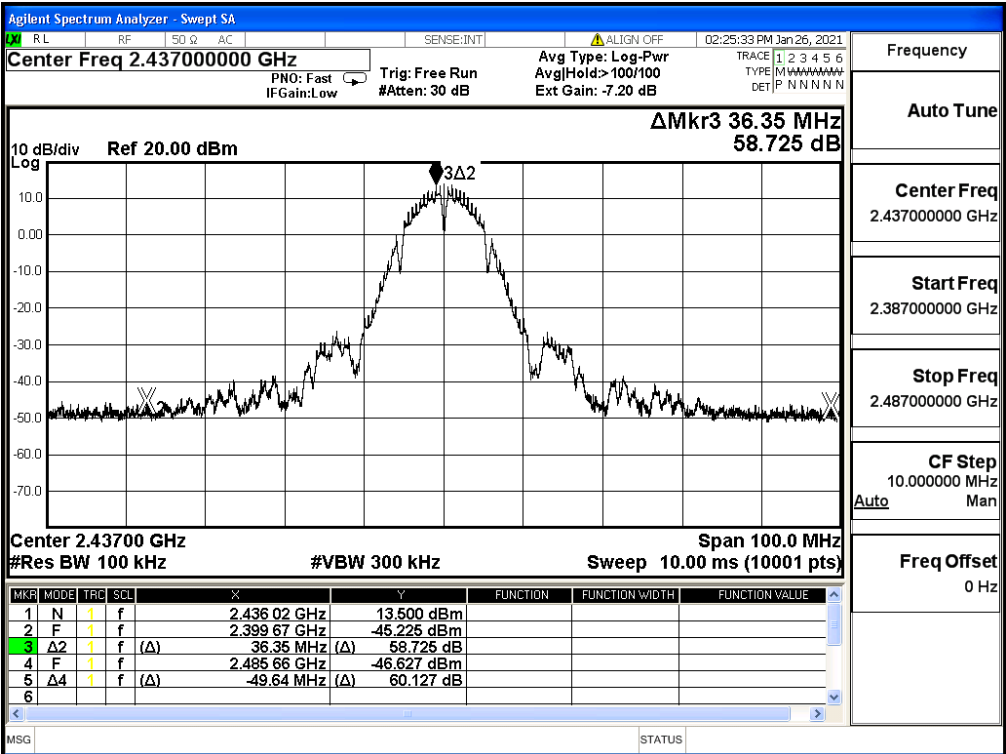
Product	Mesh Wi-Fi Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit_Non-BF_EBM552U		
Date of Test	2021/01/26~2021/01/28	Test Site	SR12-H
Temperature (°C)	21.0	Humidity (%RH)	66.0

IEEE 802.11b (ANT 0)				
Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	47.614	≥ 30	Pass
6	2437	58.725	≥ 30	Pass
11	2462	53.923	≥ 30	Pass

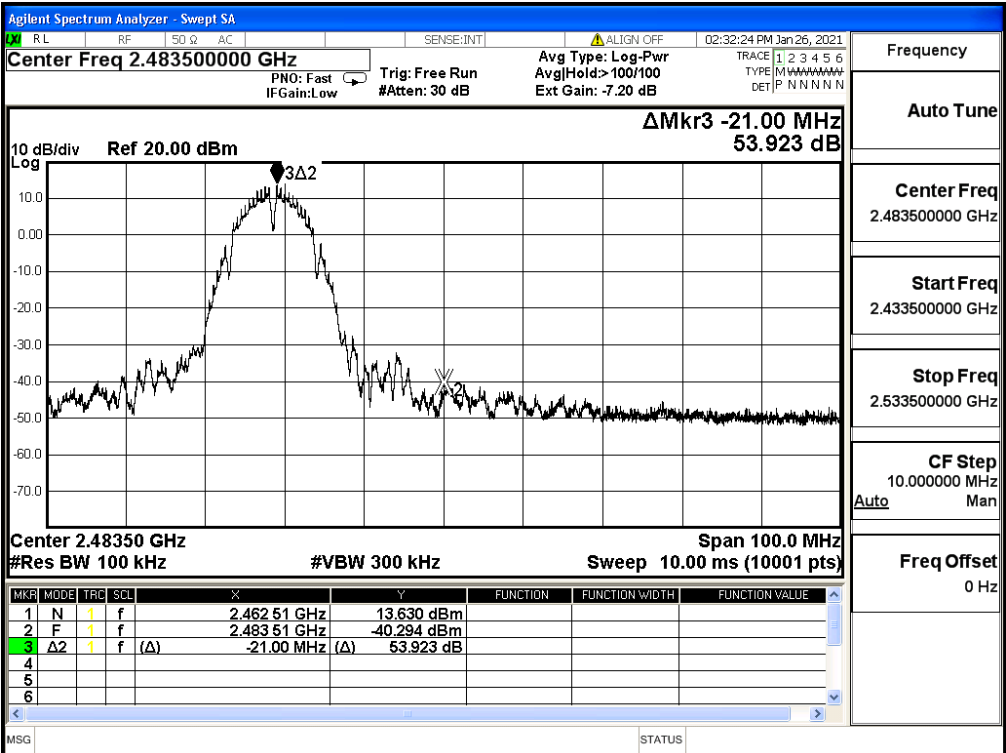
Channel 1 (2412MHz)



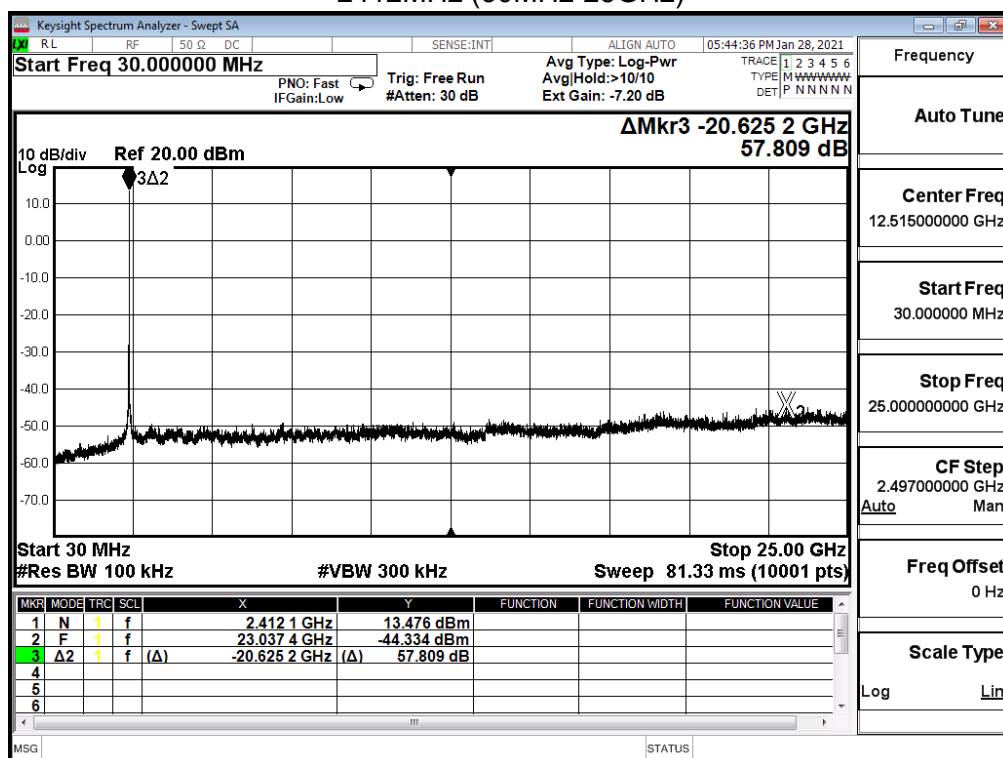
Channel 6 (2437MHz)



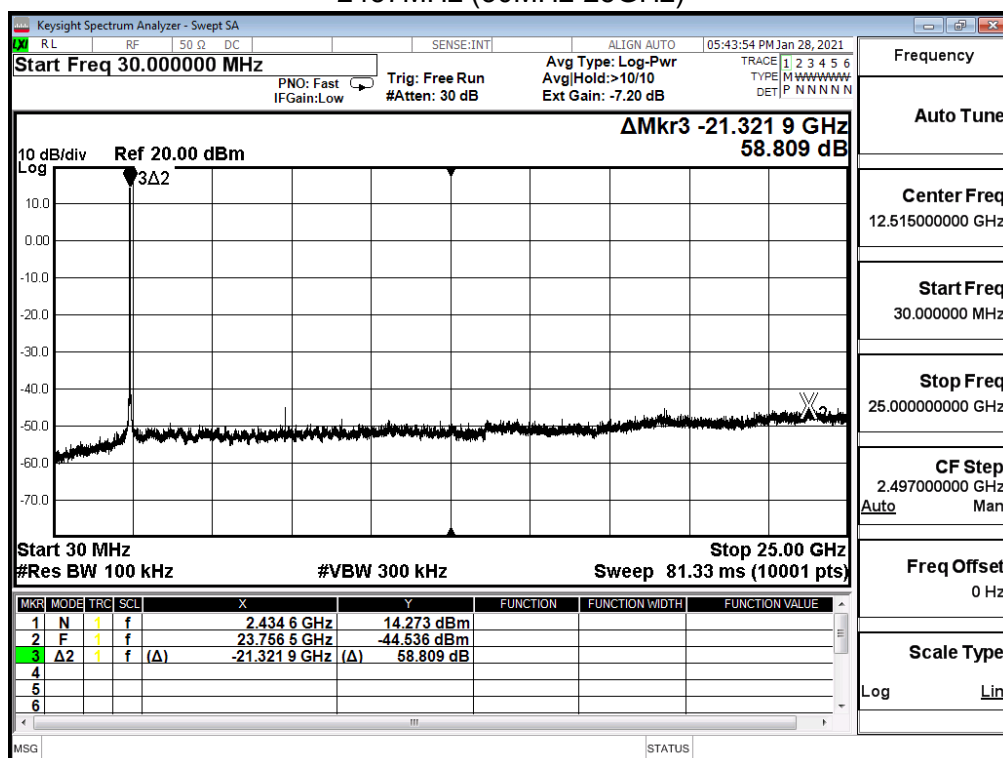
Channel 11 (2462MHz)



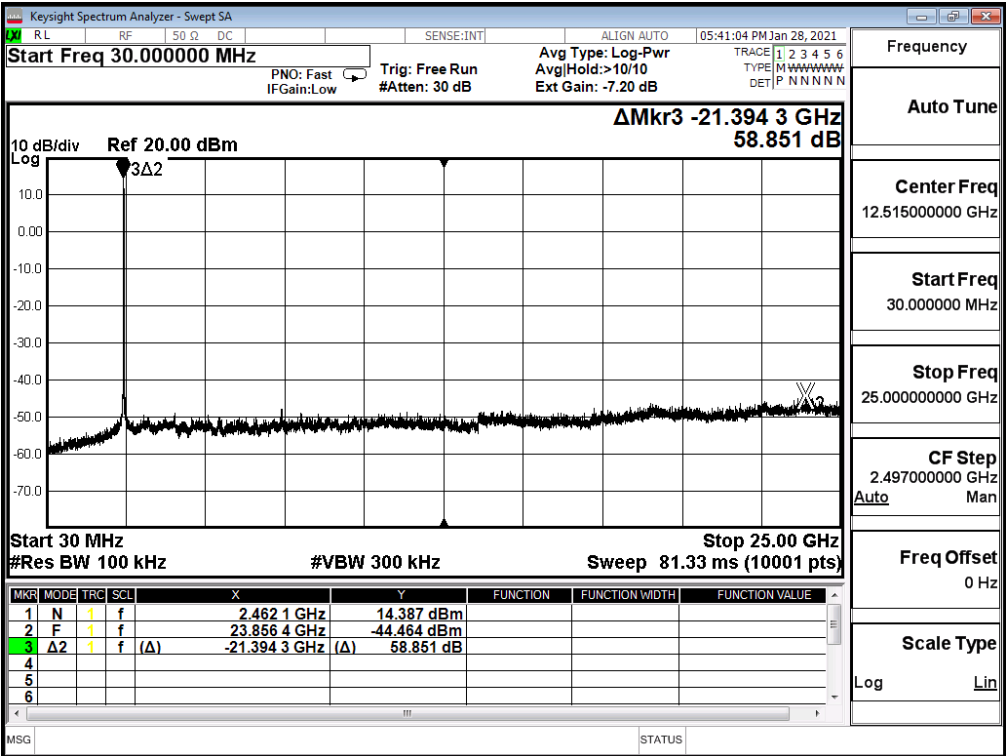
2412MHz (30MHz-25GHz)



2437MHz (30MHz-25GHz)



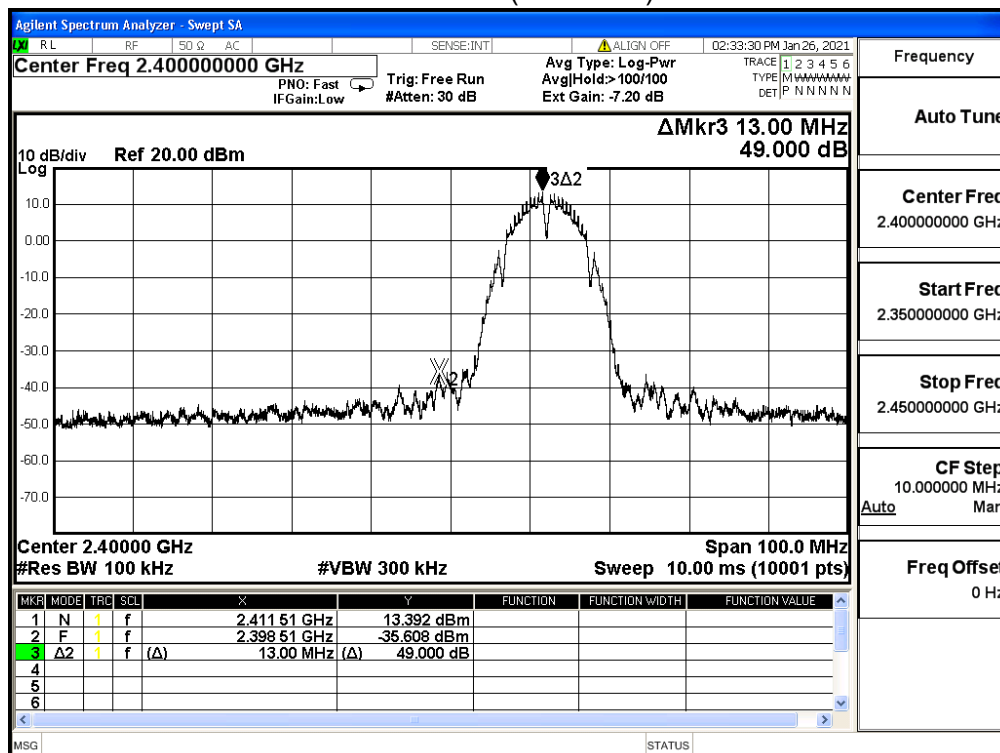
2462MHz (30MHz-25GHz)



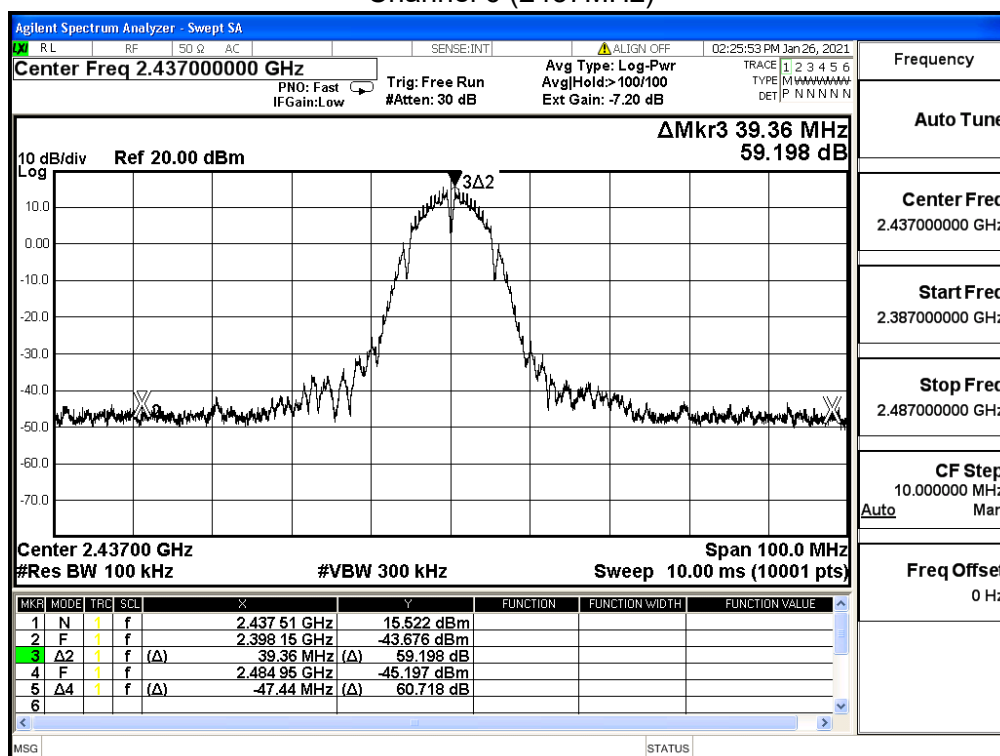
Product	Mesh Wi-Fi Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit_Non-BF_EBM552U		
Date of Test	2021/01/26~2021/01/28	Test Site	SR12-H
Test Temperature	21.0	Humidity (%RH)	66.0

IEEE 802.11b (ANT 1)				
Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	49.000	≥ 30	Pass
6	2437	58.645	≥ 30	Pass
11	2462	56.005	≥ 30	Pass

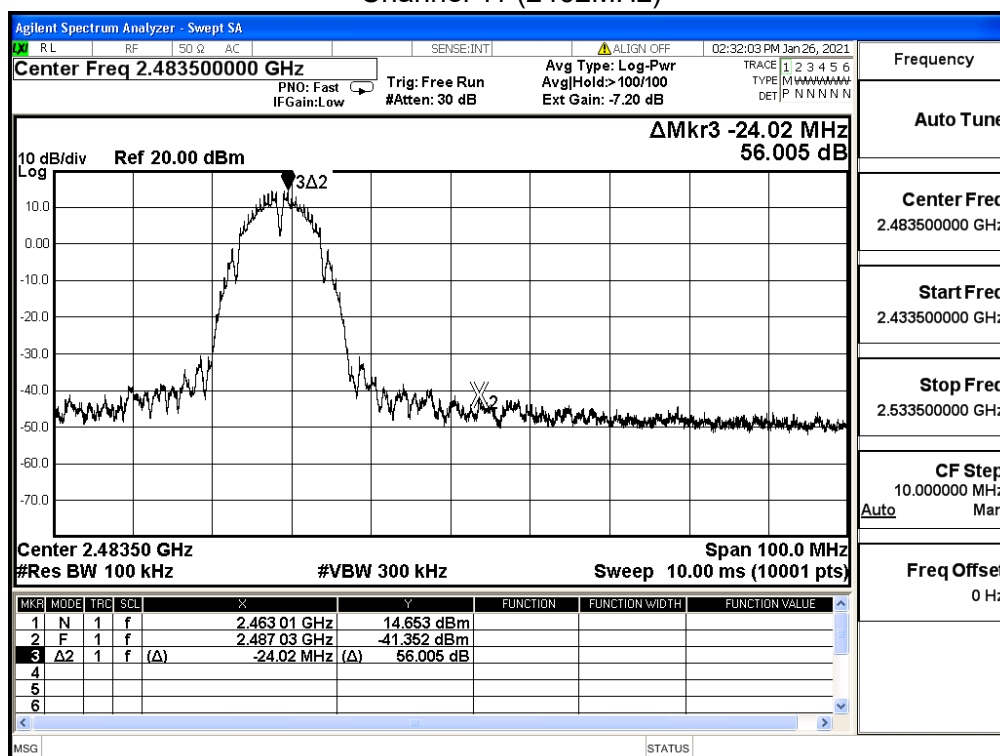
Channel 1 (2412MHz)



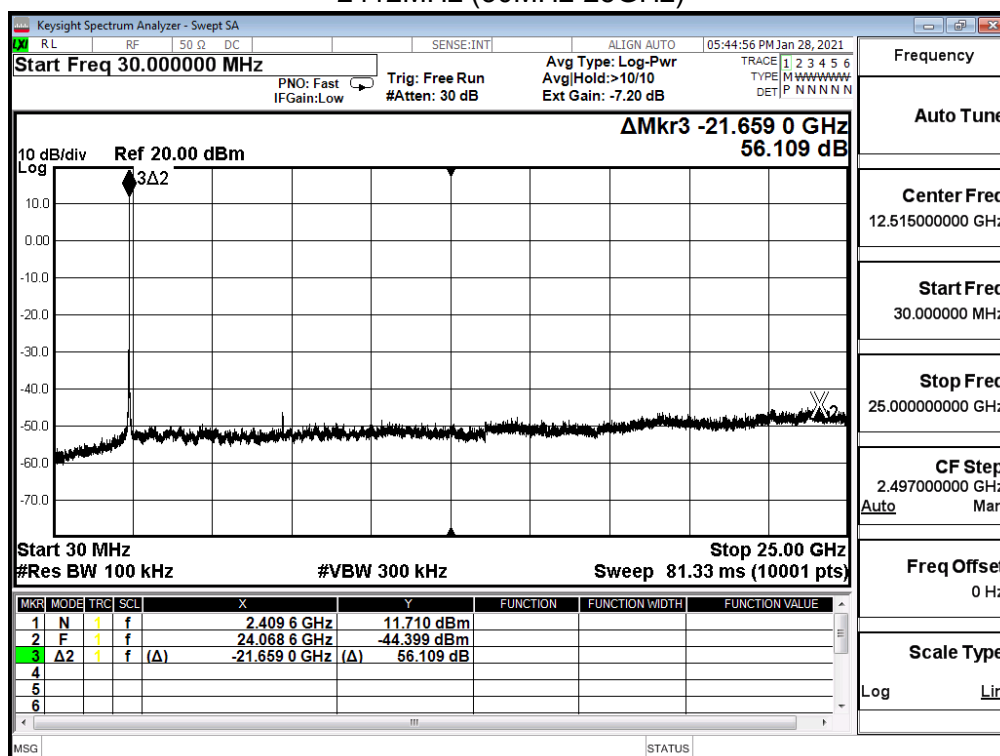
Channel 6 (2437MHz)



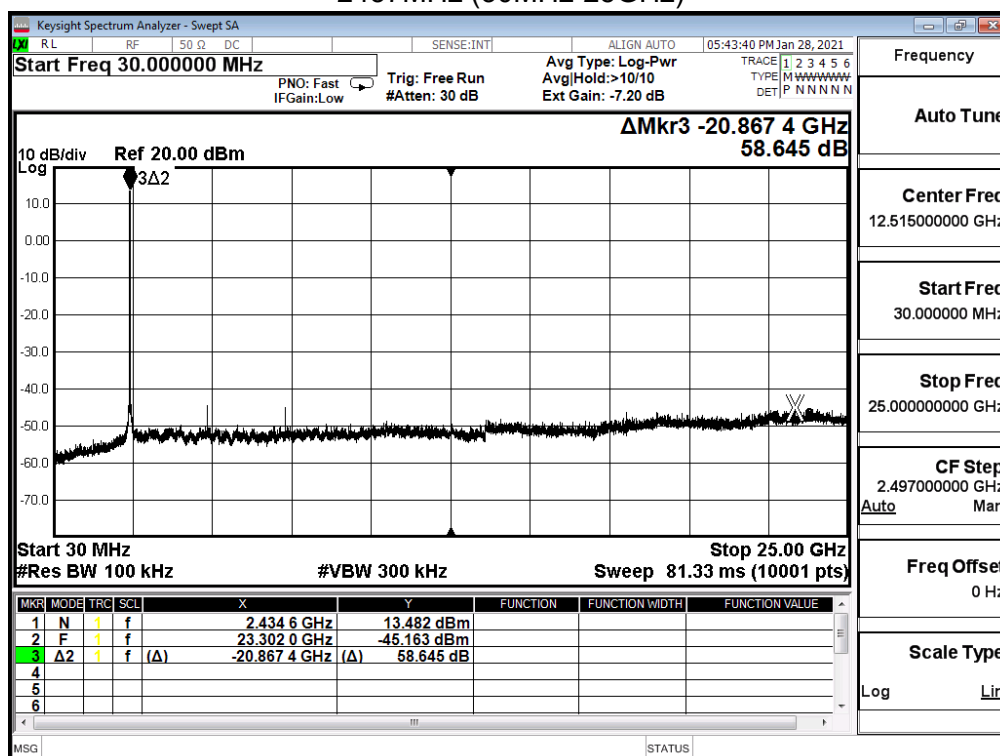
Channel 11 (2462MHz)



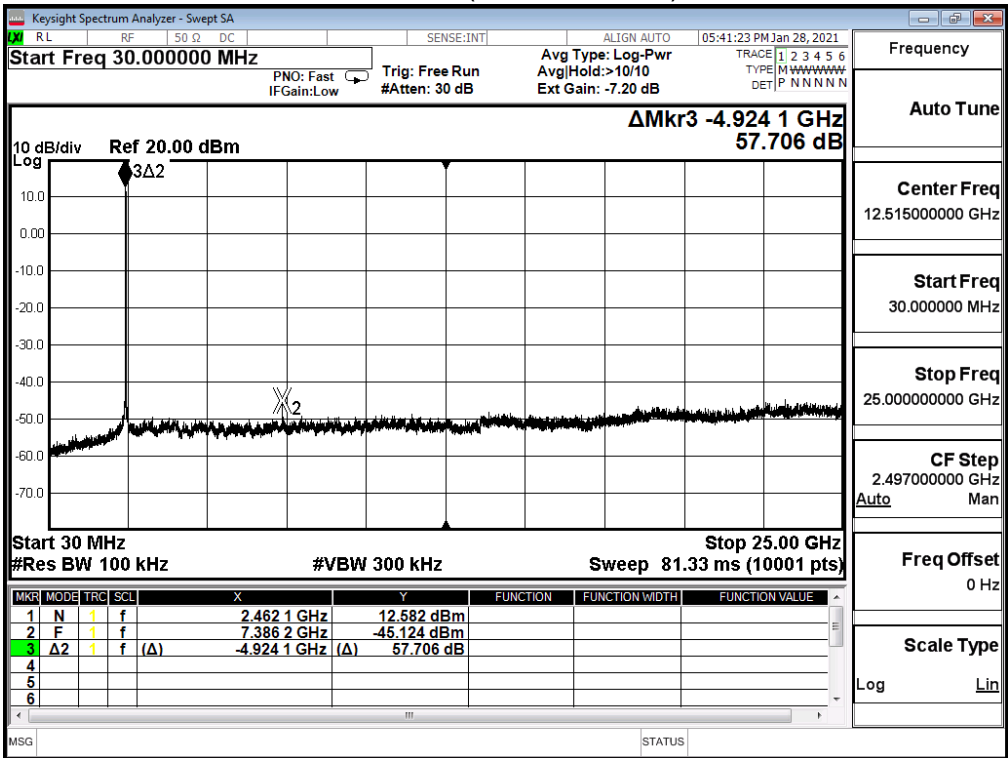
2412MHz (30MHz-25GHz)



2437MHz (30MHz-25GHz)



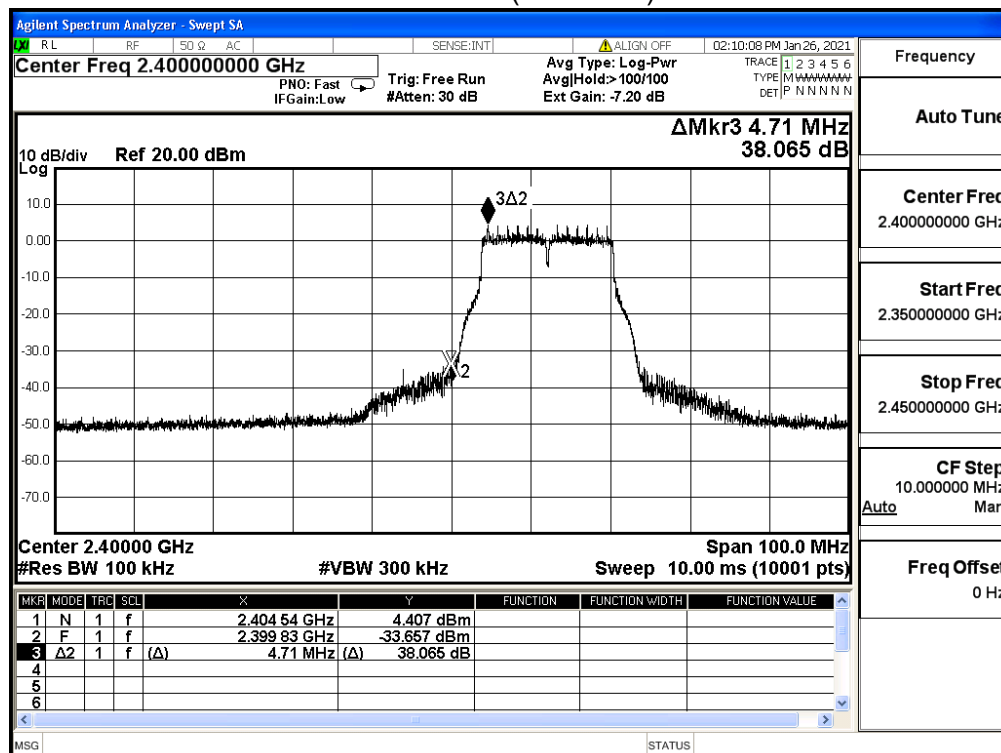
2462MHz (30MHz-25GHz)



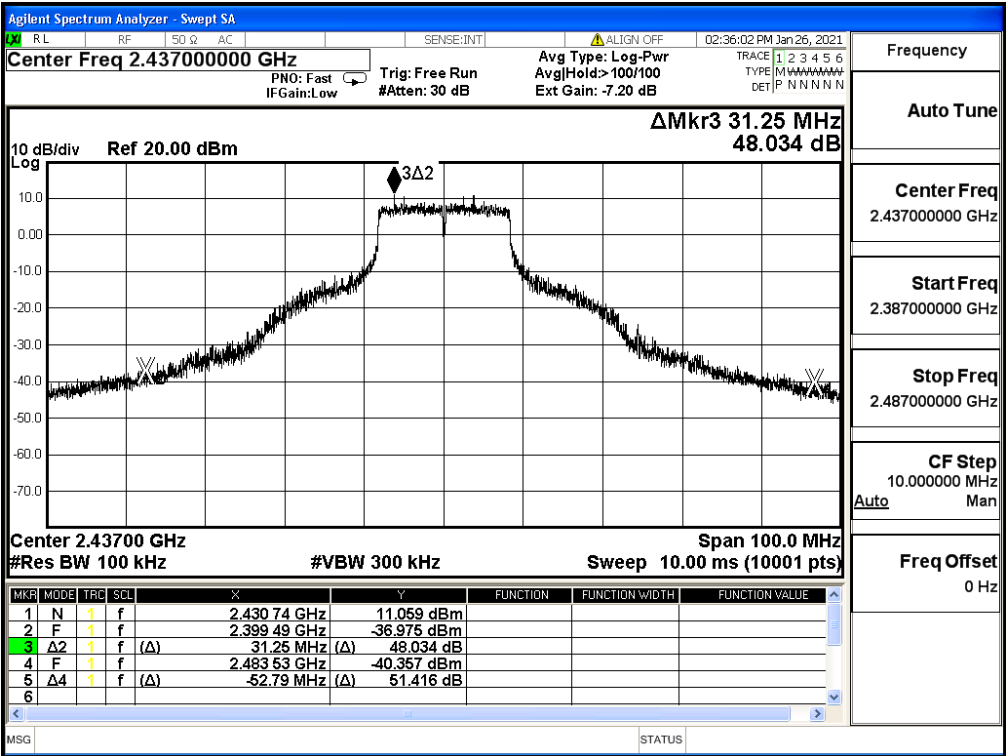
Product	Mesh Wi-Fi Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit_Non-BF_EBM552U		
Date of Test	2021/01/26~2021/01/28	Test Site	SR12-H
Test Temperature	21.0	Humidity (%RH)	66.0

IEEE 802.11g (ANT 0)				
Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	38.065	≥ 30	Pass
6	2437	48.034	≥ 30	Pass
11	2462	44.392	≥ 30	Pass

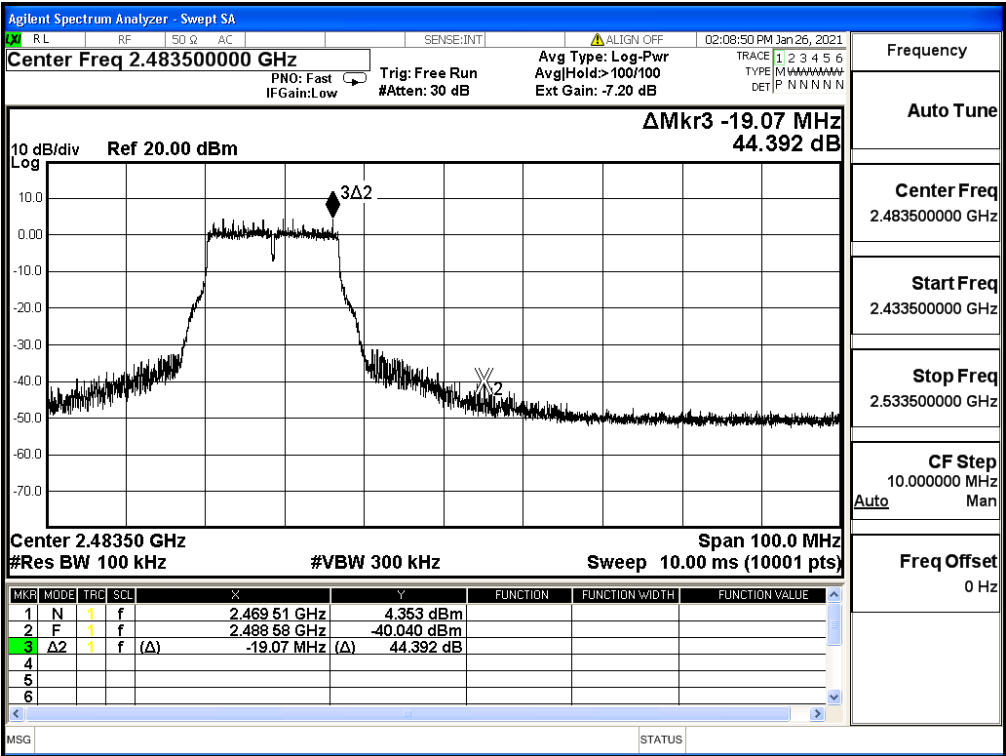
Channel 1 (2412MHz)



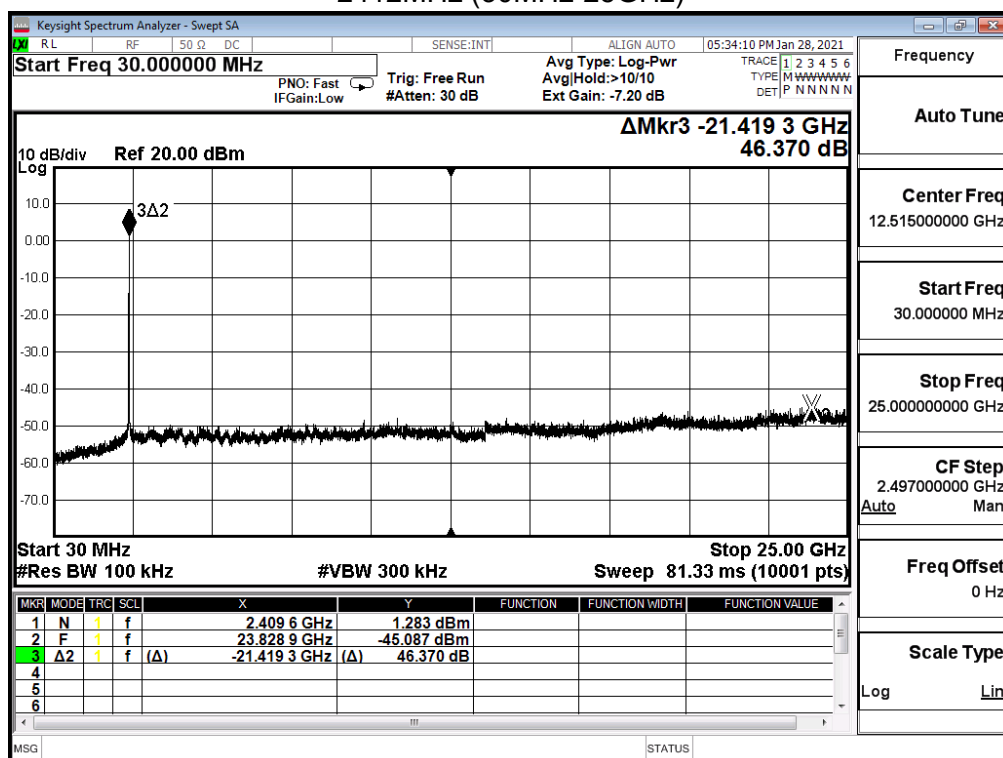
Channel 6 (2437MHz)



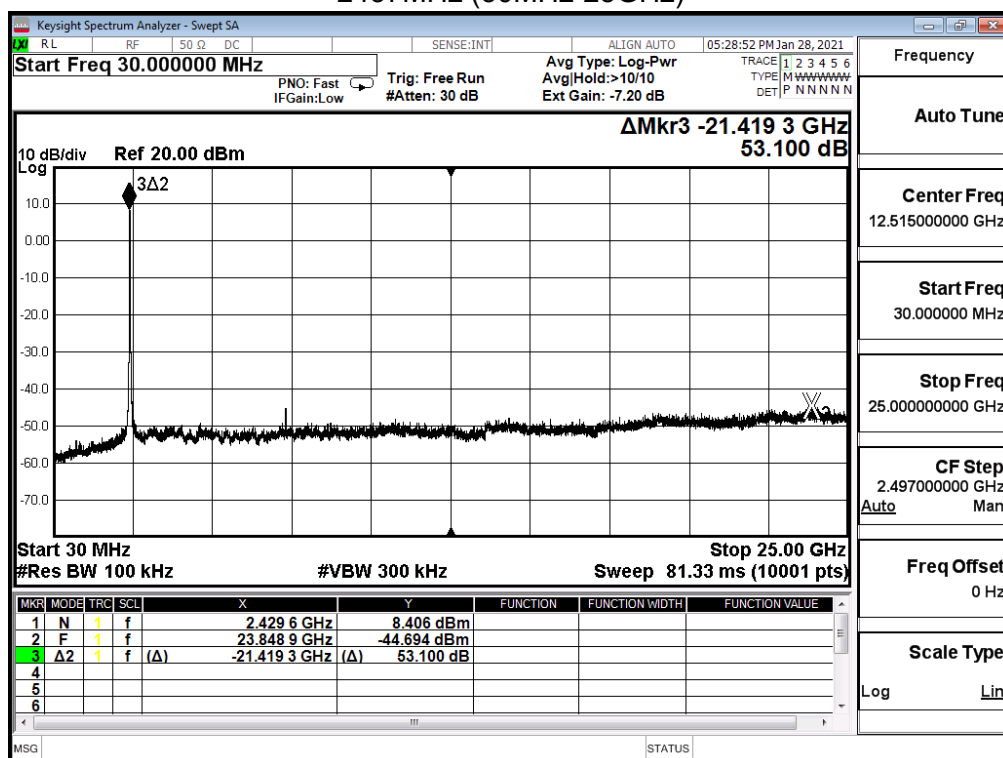
Channel 11 (2462MHz)



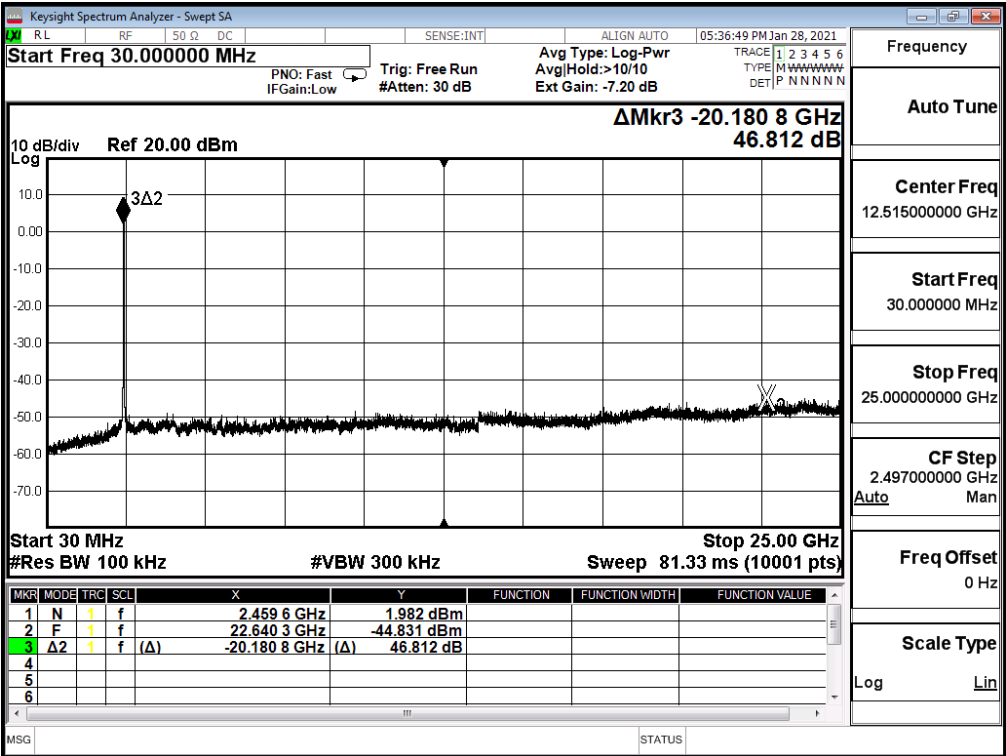
2412MHz (30MHz-25GHz)



2437MHz (30MHz-25GHz)



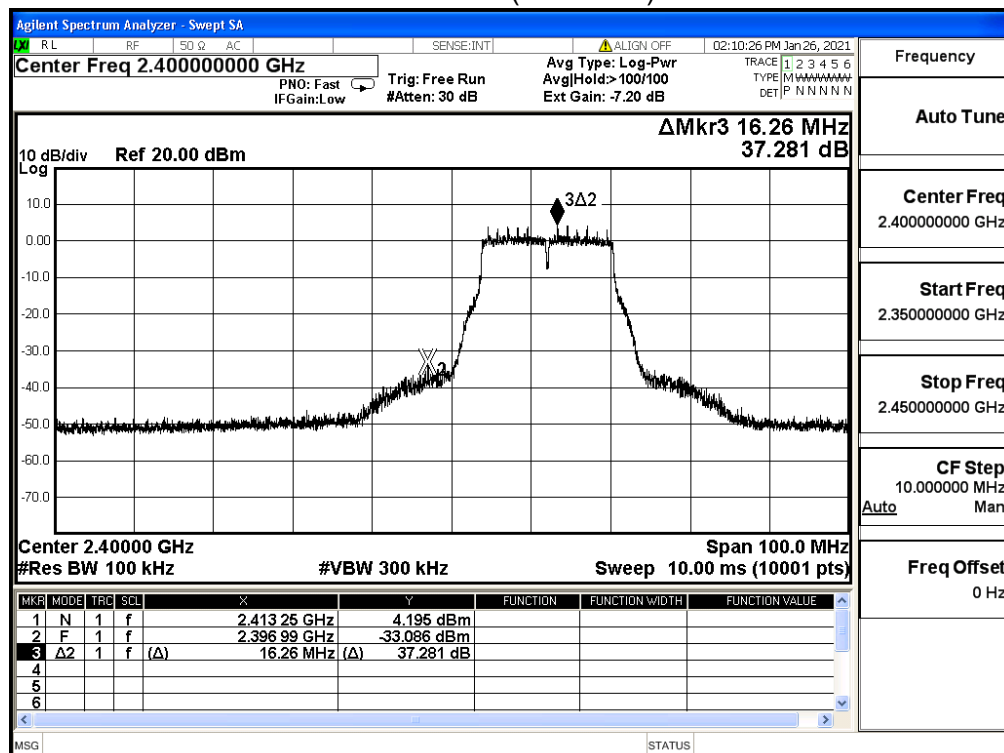
2462MHz (30MHz-25GHz)



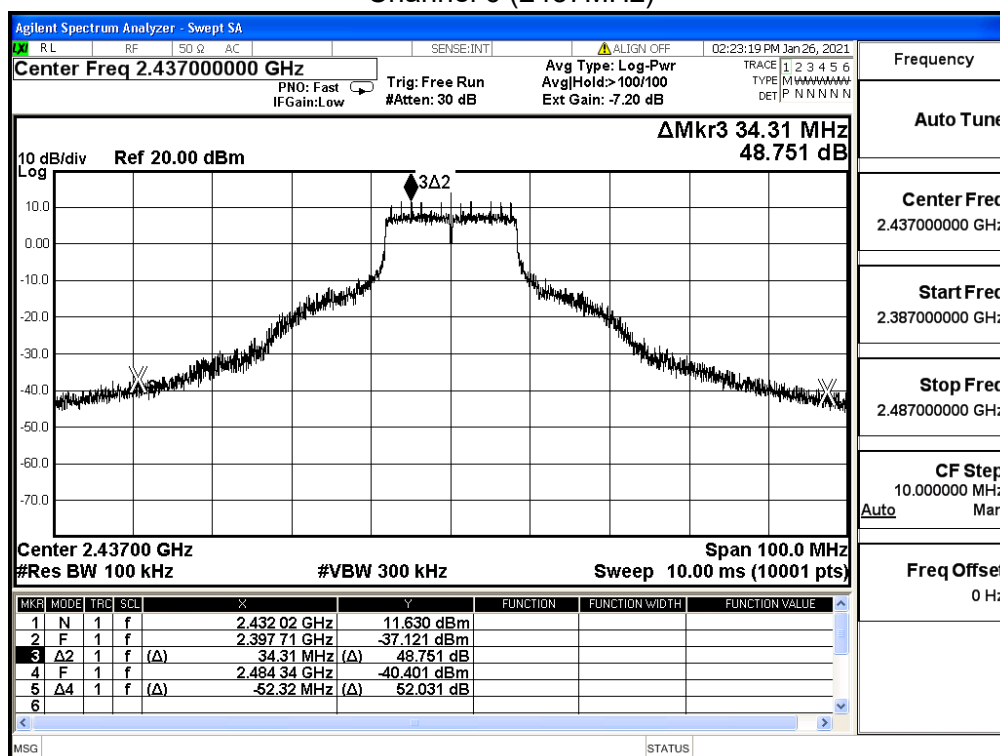
Product	Mesh Wi-Fi Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit_Non-BF_EBM552U		
Date of Test	2021/01/26~2021/01/28	Test Site	SR12-H
Test Temperature	21.0	Humidity (%RH)	66.0

IEEE 802.11g (ANT 1)				
Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	37.281	≥ 30	Pass
6	2437	48.751	≥ 30	Pass
11	2462	49.194	≥ 30	Pass

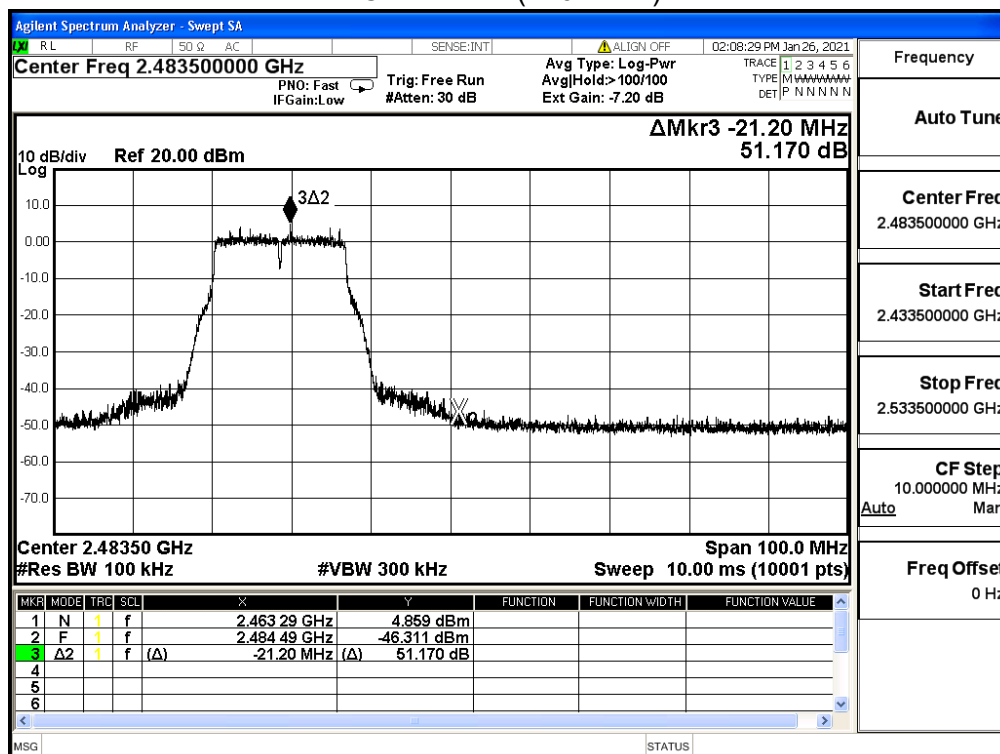
Channel 1 (2412MHz)



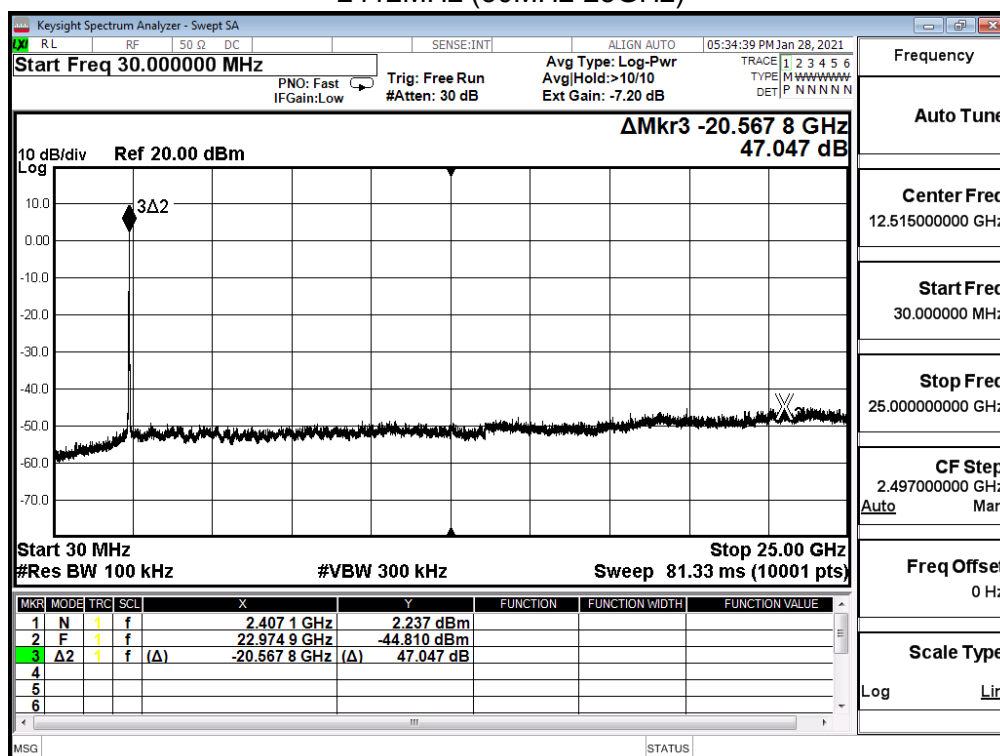
Channel 6 (2437MHz)



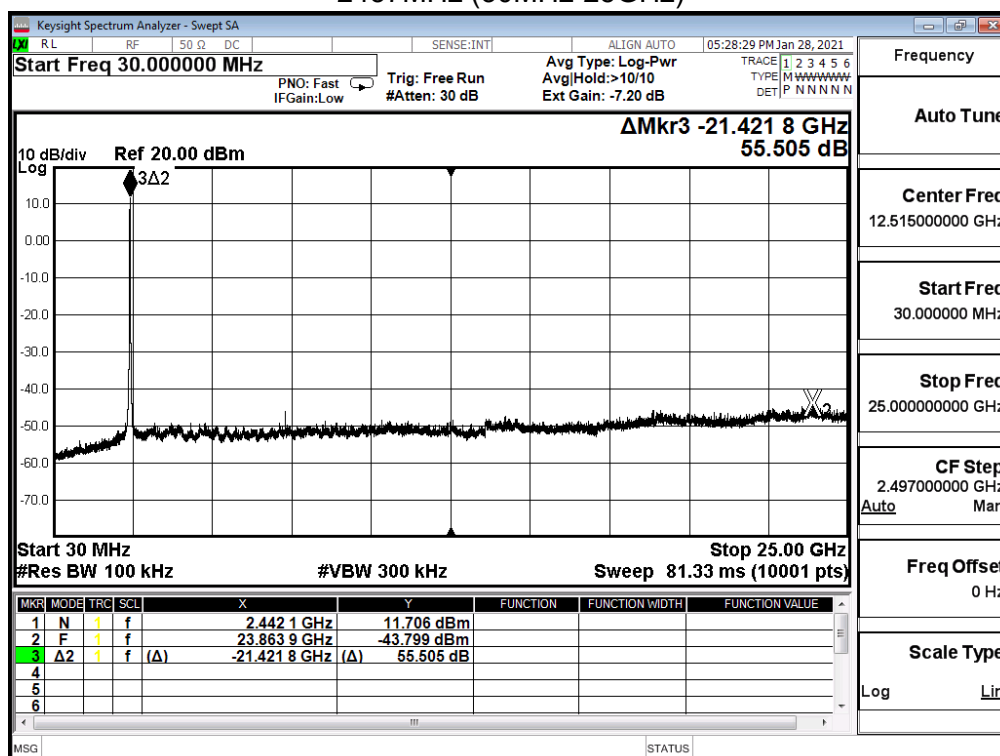
Channel 11 (2462MHz)



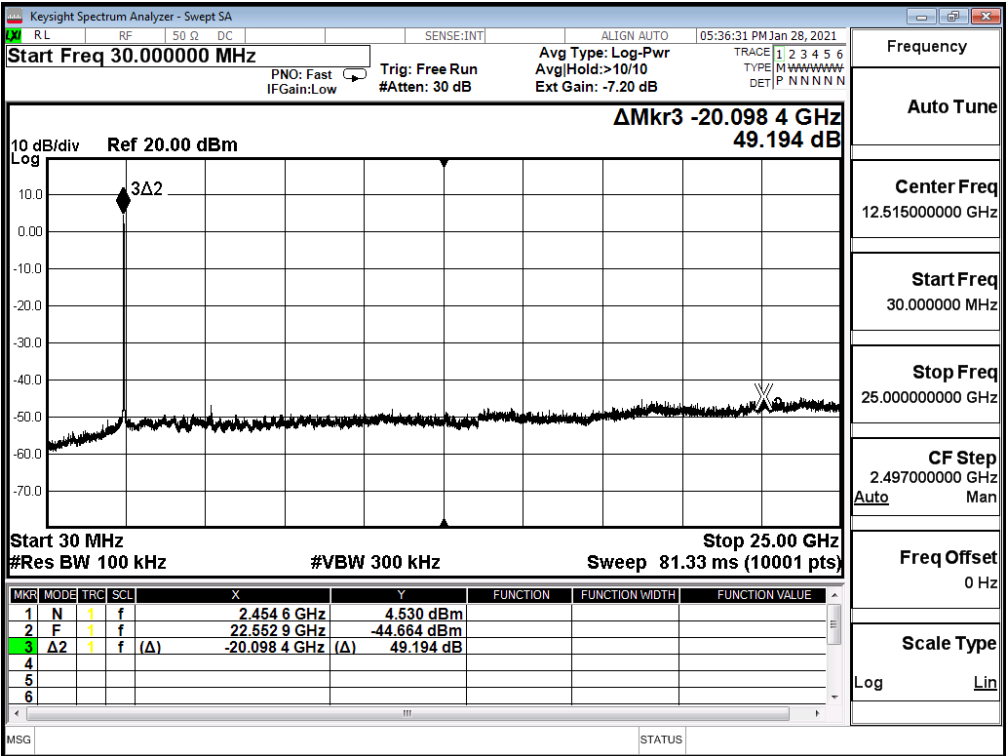
2412MHz (30MHz-25GHz)



2437MHz (30MHz-25GHz)



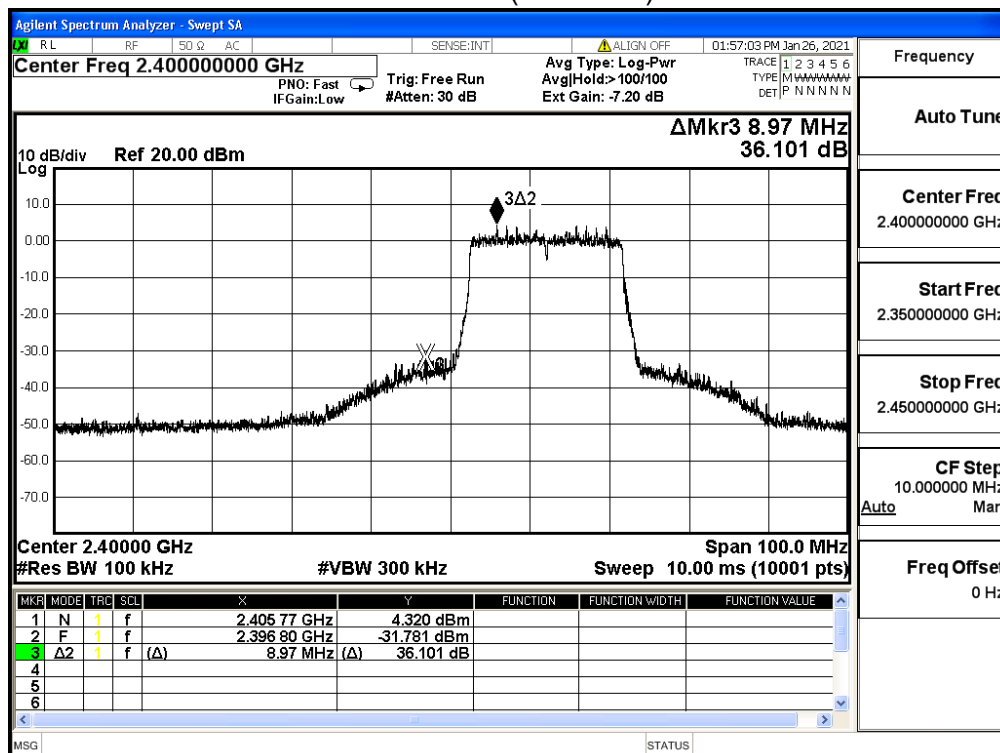
2462MHz (30MHz-25GHz)



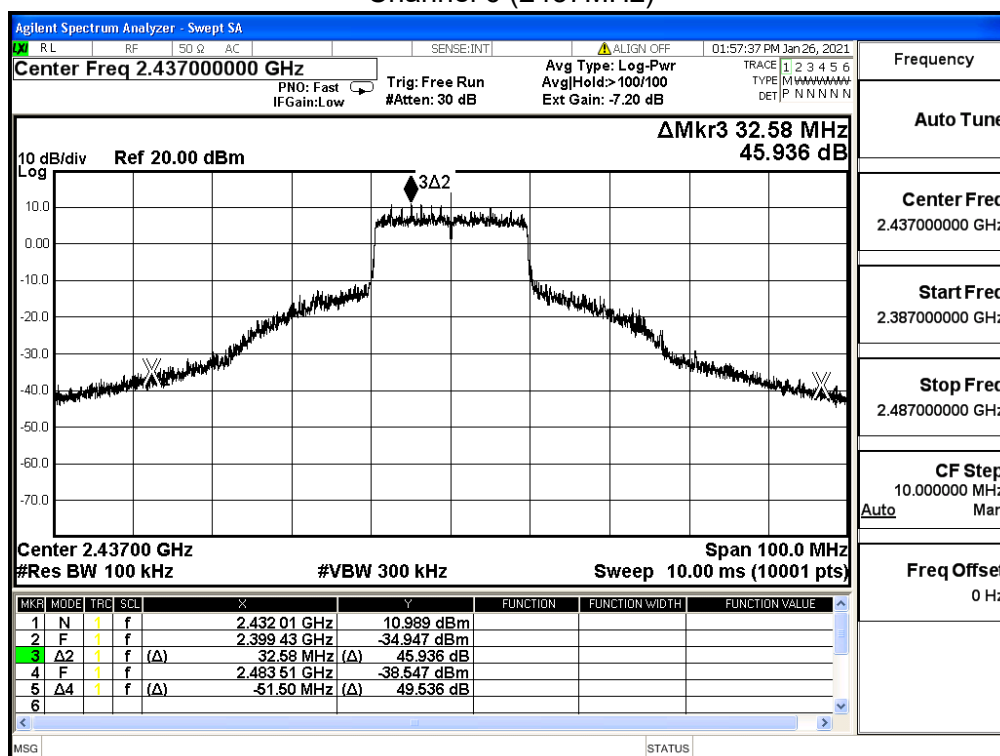
Product	Mesh Wi-Fi Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit_Non-BF_EBM552U		
Date of Test	2021/01/26~2021/01/28	Test Site	SR12-H
Test Temperature	21.0	Humidity (%RH)	66.0

IEEE 802.11ax(20M)(ANT 0)				
Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	36.101	≥ 30	Pass
6	2437	45.936	≥ 30	Pass
11	2462	36.010	≥ 30	Pass

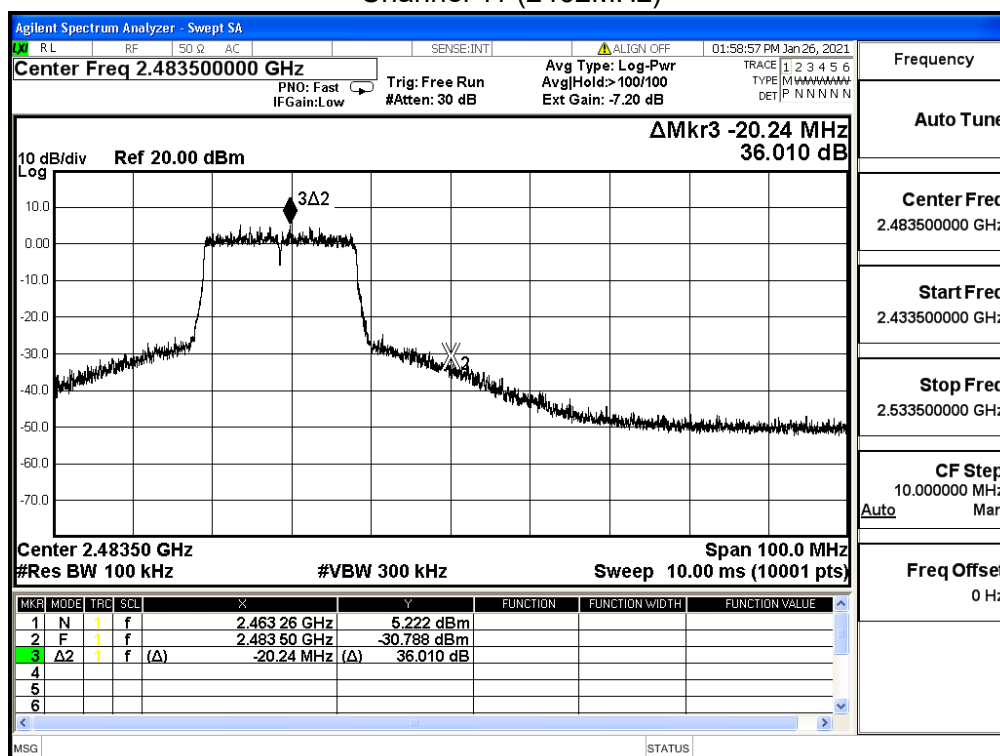
Channel 1 (2412MHz)



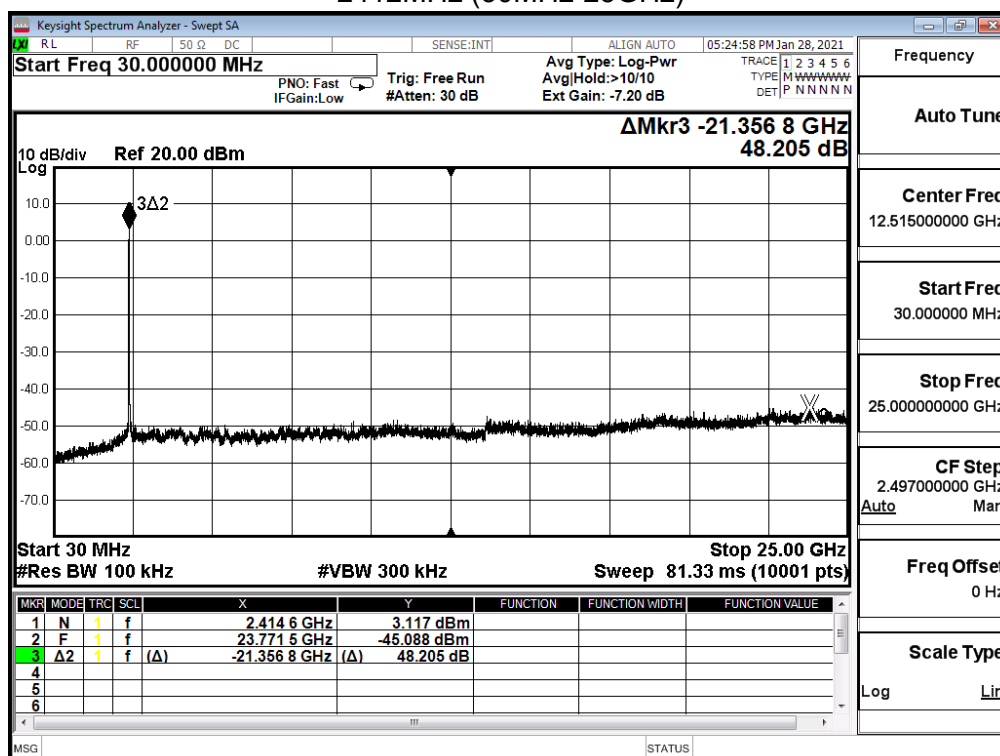
Channel 6 (2437MHz)



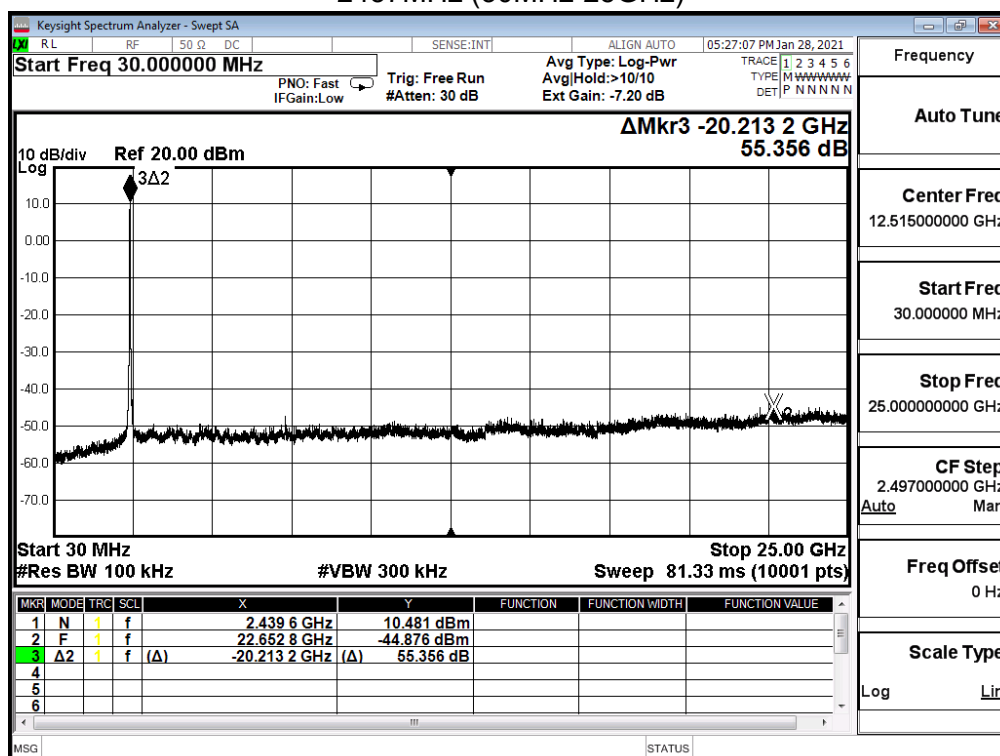
Channel 11 (2462MHz)



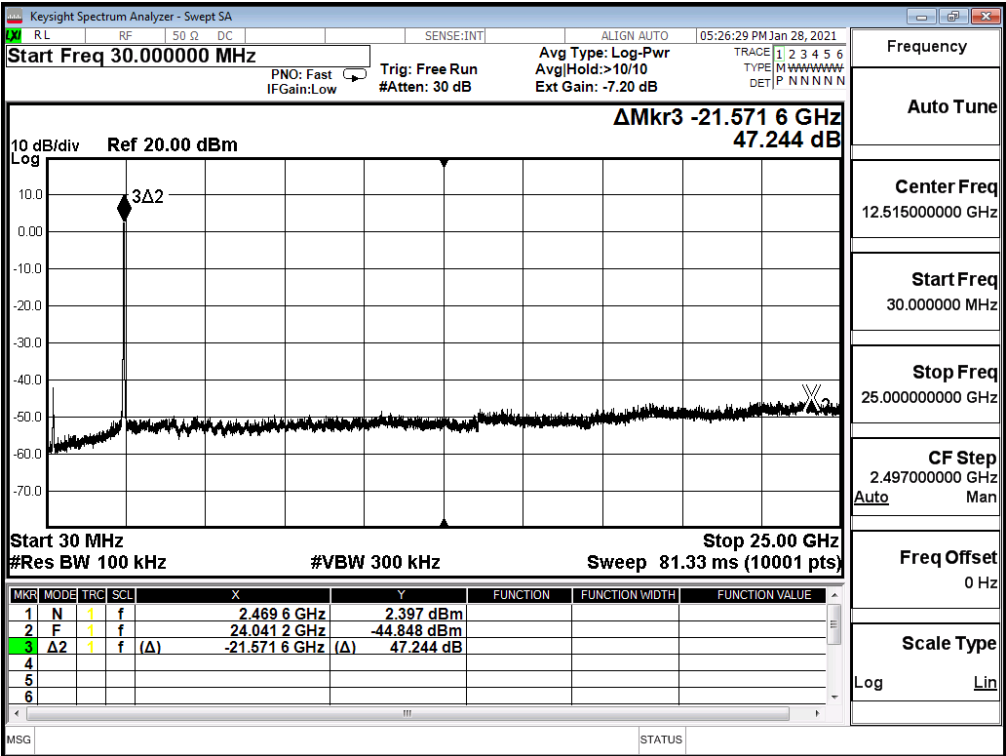
2412MHz (30MHz-25GHz)



2437MHz (30MHz-25GHz)



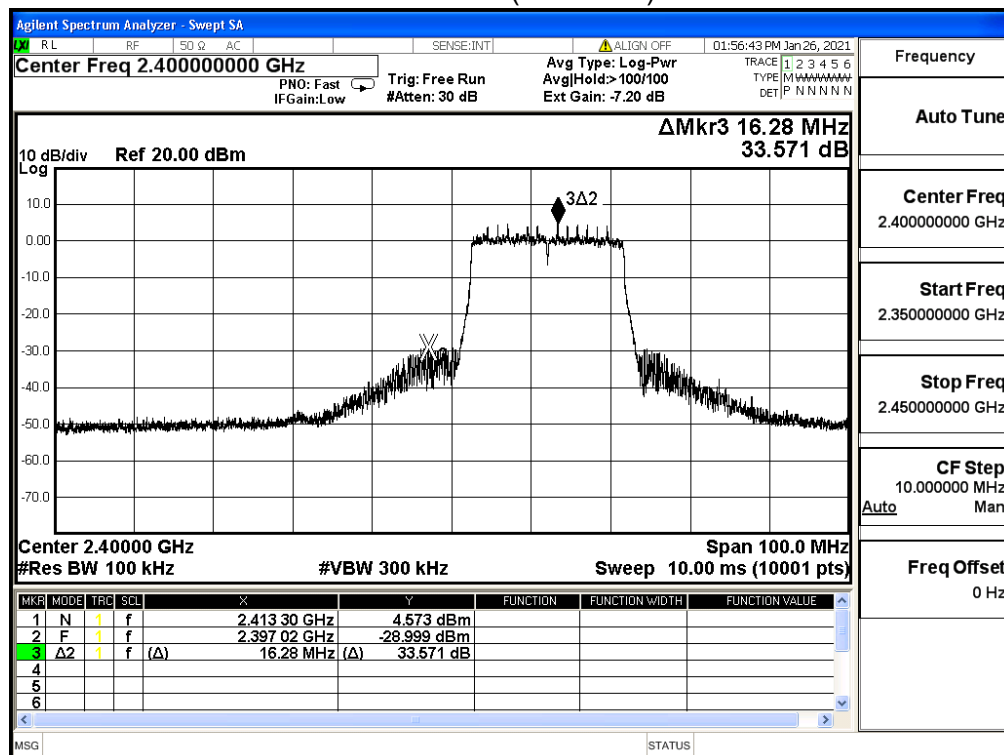
2462MHz (30MHz-25GHz)



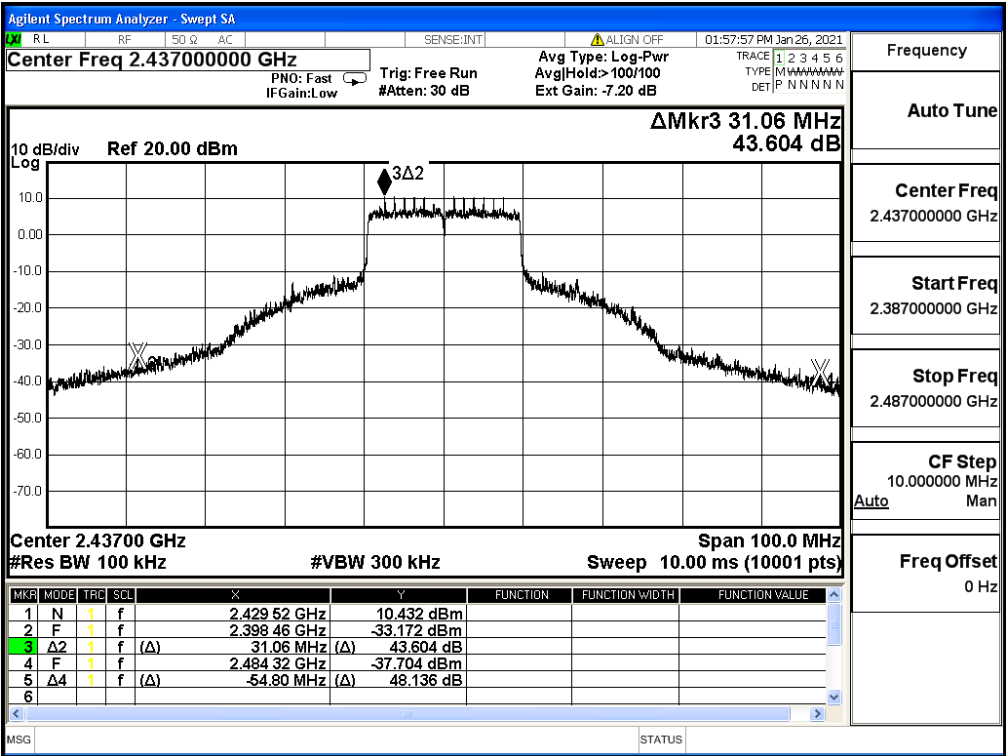
Product	Mesh Wi-Fi Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit_Non-BF_EBM552U		
Date of Test	2021/01/26~2021/01/28	Test Site	SR12-H
Test Temperature	21.0	Humidity (%RH)	66.0

IEEE 802.11ax(20M)(ANT 1)				
Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	33.571	≥ 30	Pass
6	2437	43.604	≥ 30	Pass
11	2462	42.561	≥ 30	Pass

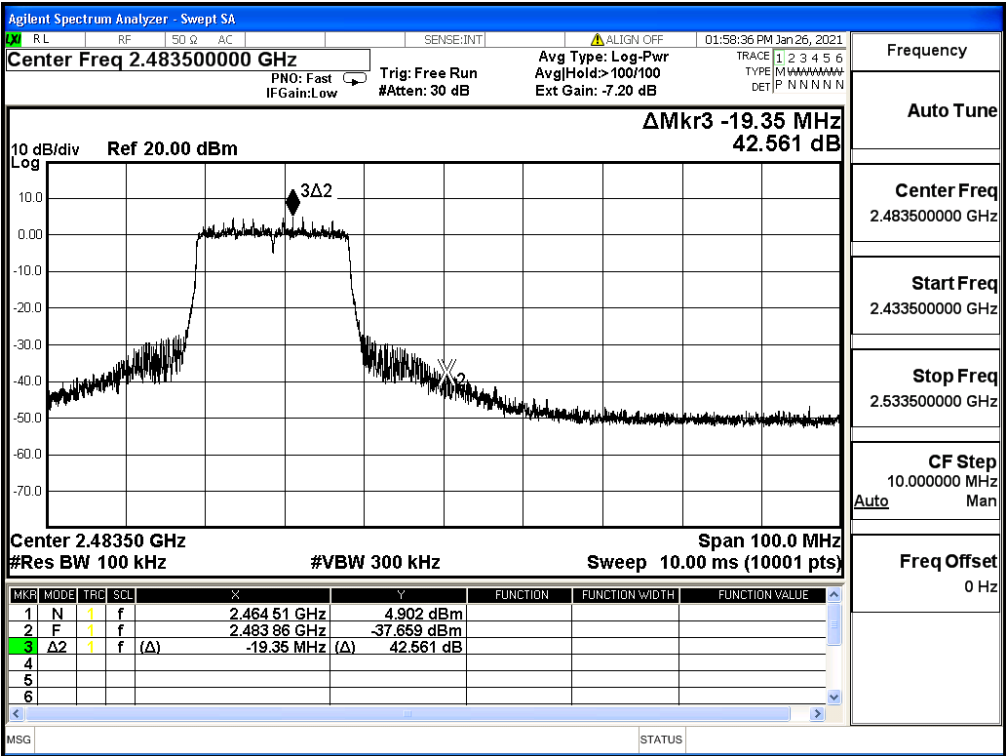
Channel 1 (2412MHz)



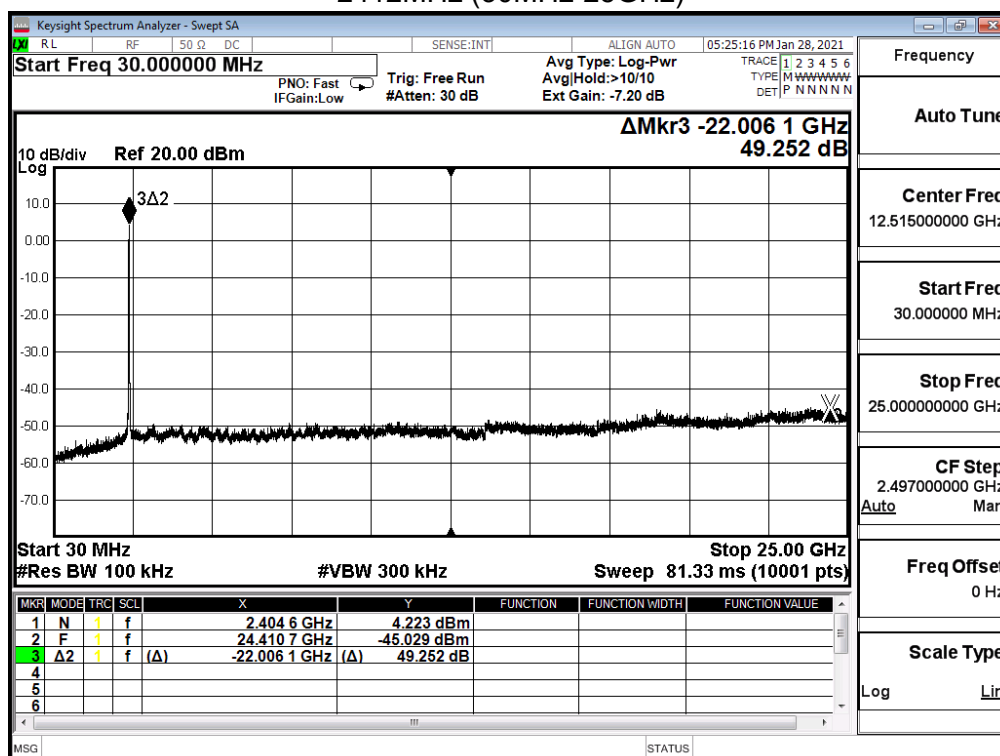
Channel 6 (2437MHz)



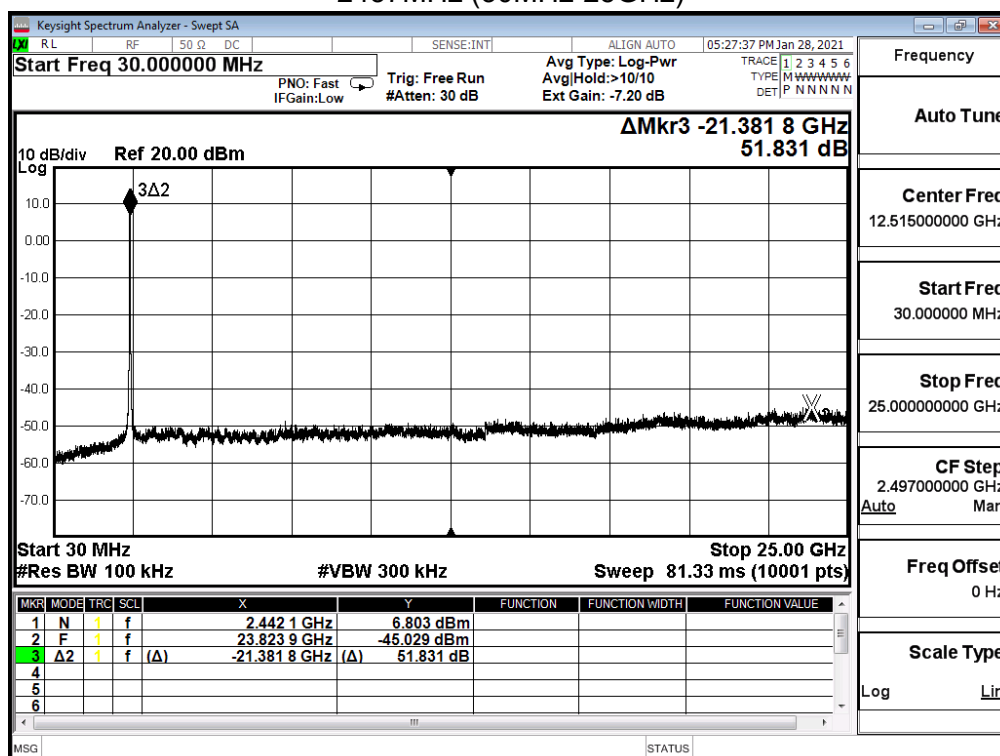
Channel 11 (2462MHz)



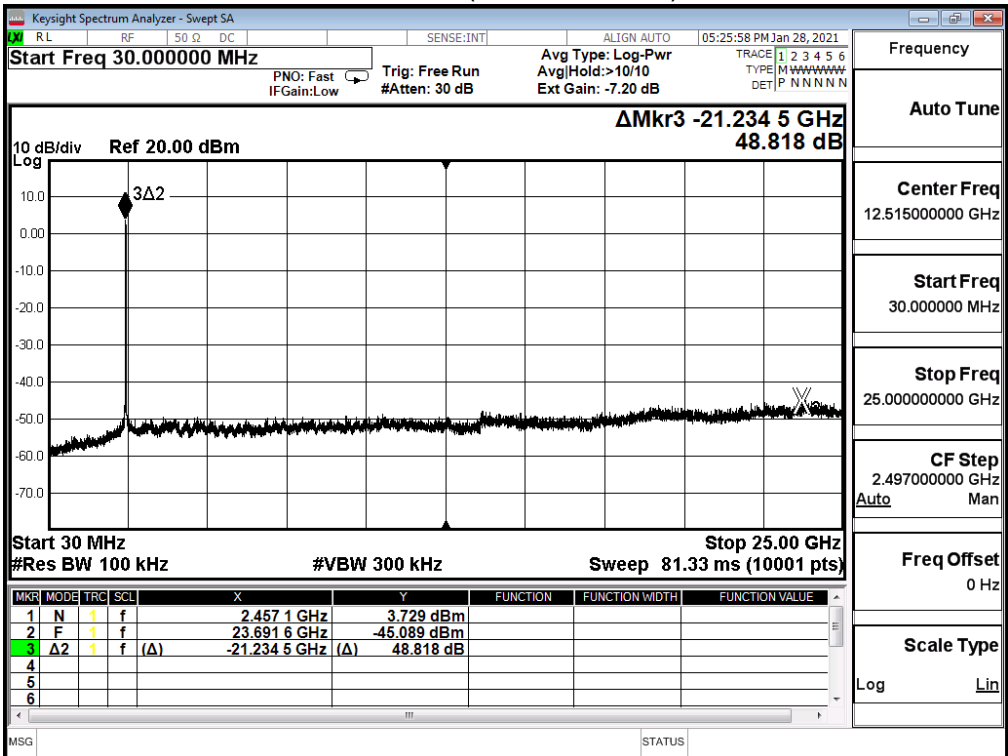
2412MHz (30MHz-25GHz)



2437MHz (30MHz-25GHz)



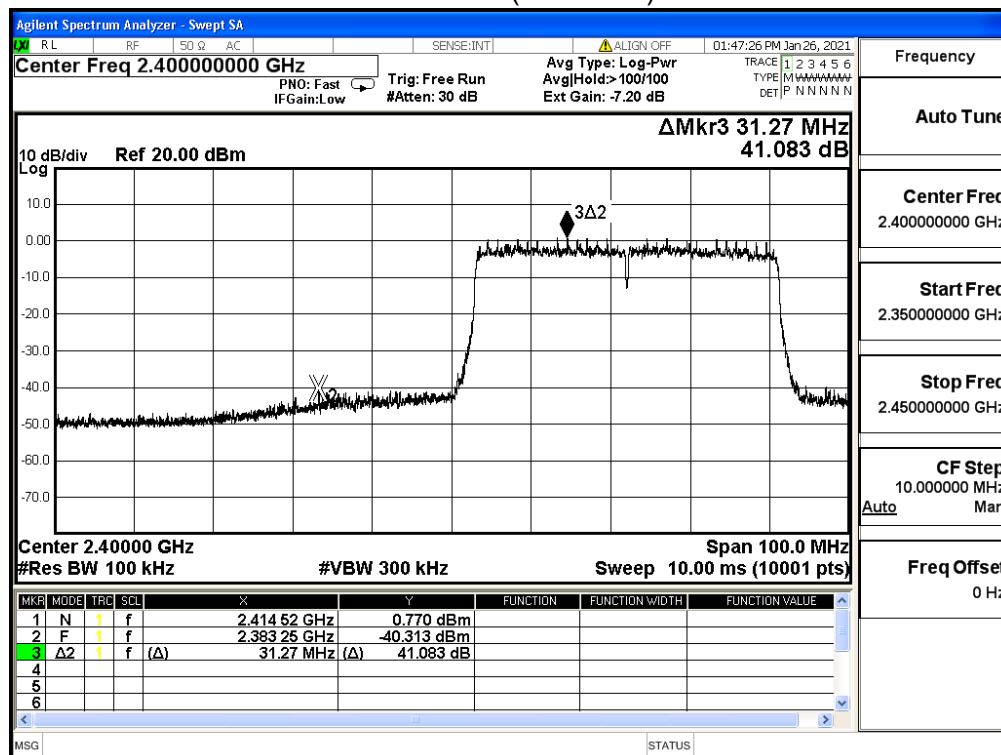
2462MHz (30MHz-25GHz)



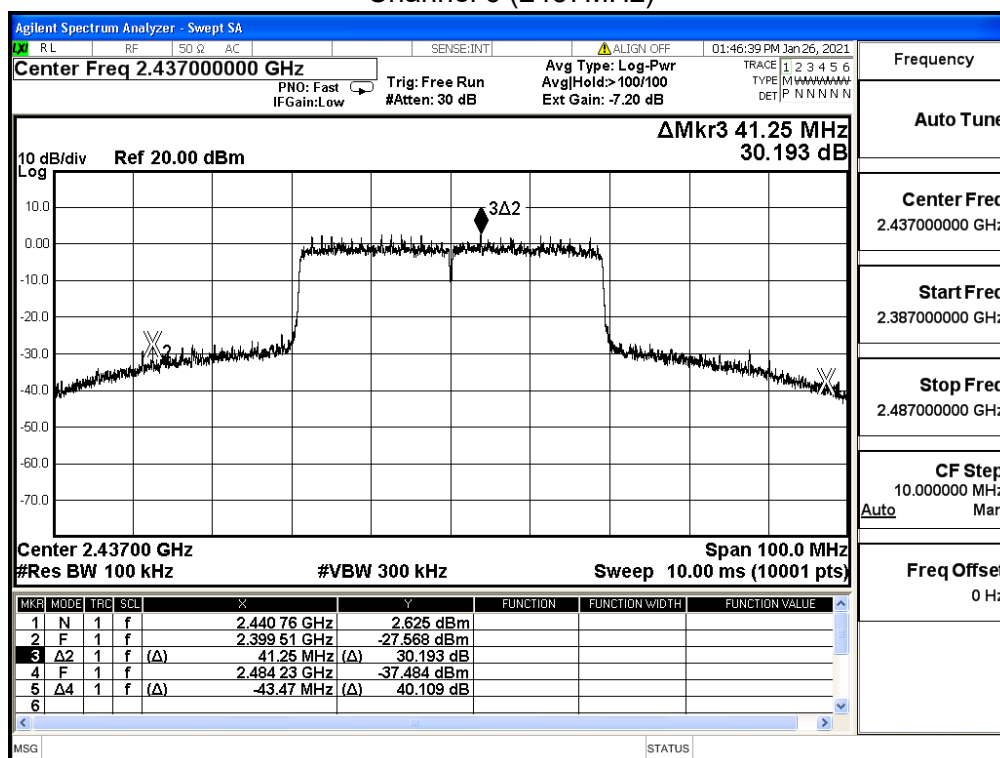
Product	Mesh Wi-Fi Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit_Non-BF_EBM552U		
Date of Test	2021/01/26~2021/01/28	Test Site	SR12-H
Test Temperature	21.0	Humidity (%RH)	66.0

IEEE 802.11ax(40M)(ANT 0)				
Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
3	2422	41.083	≥ 30	Pass
6	2437	30.193	≥ 30	Pass
9	2452	41.918	≥ 30	Pass

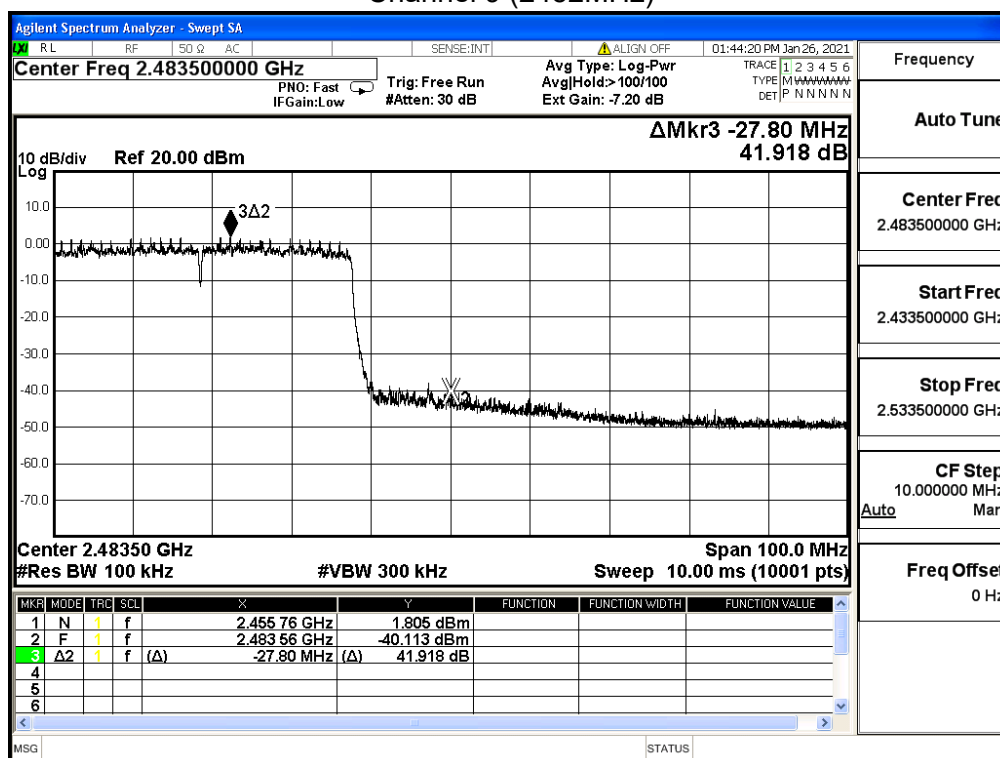
Channel 3 (2422MHz)



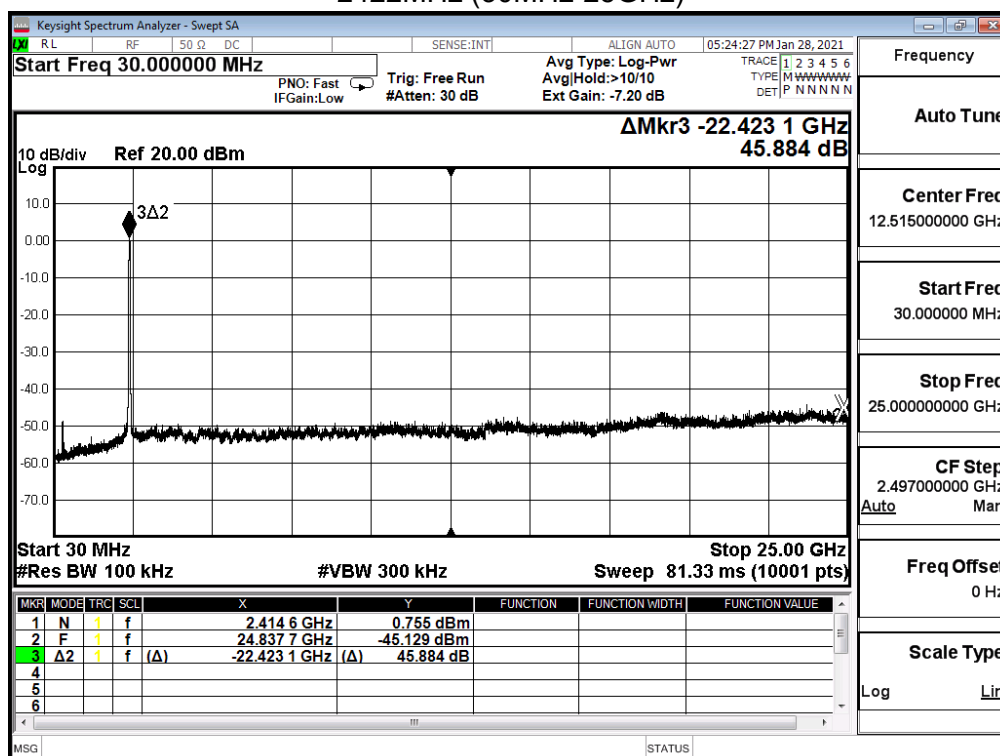
Channel 6 (2437MHz)



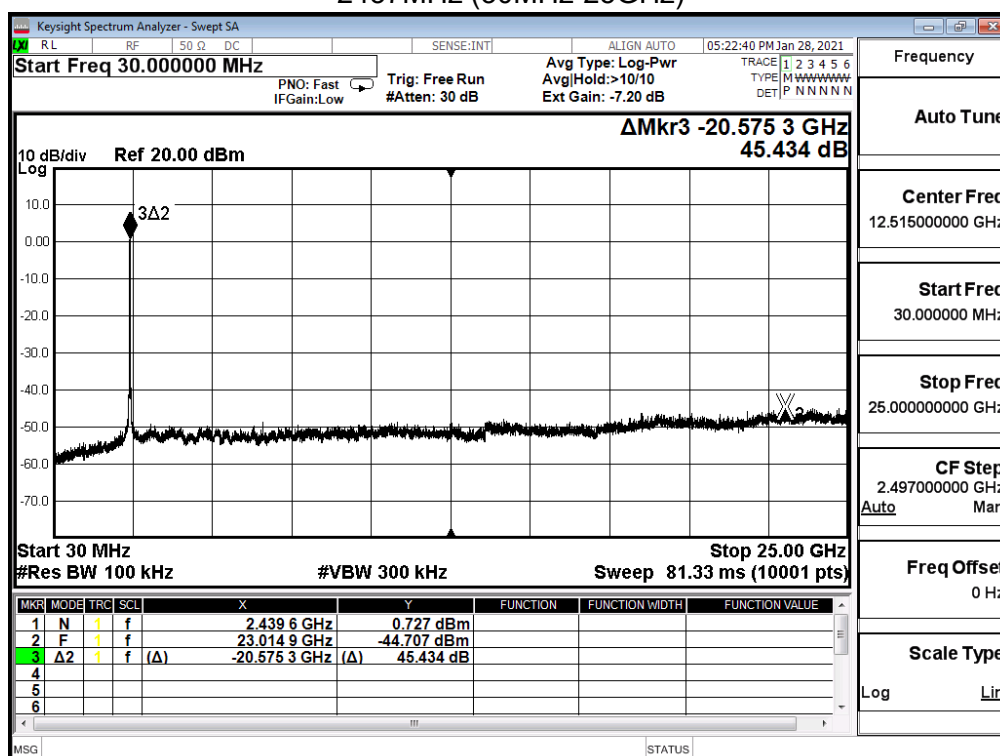
Channel 9 (2452MHz)



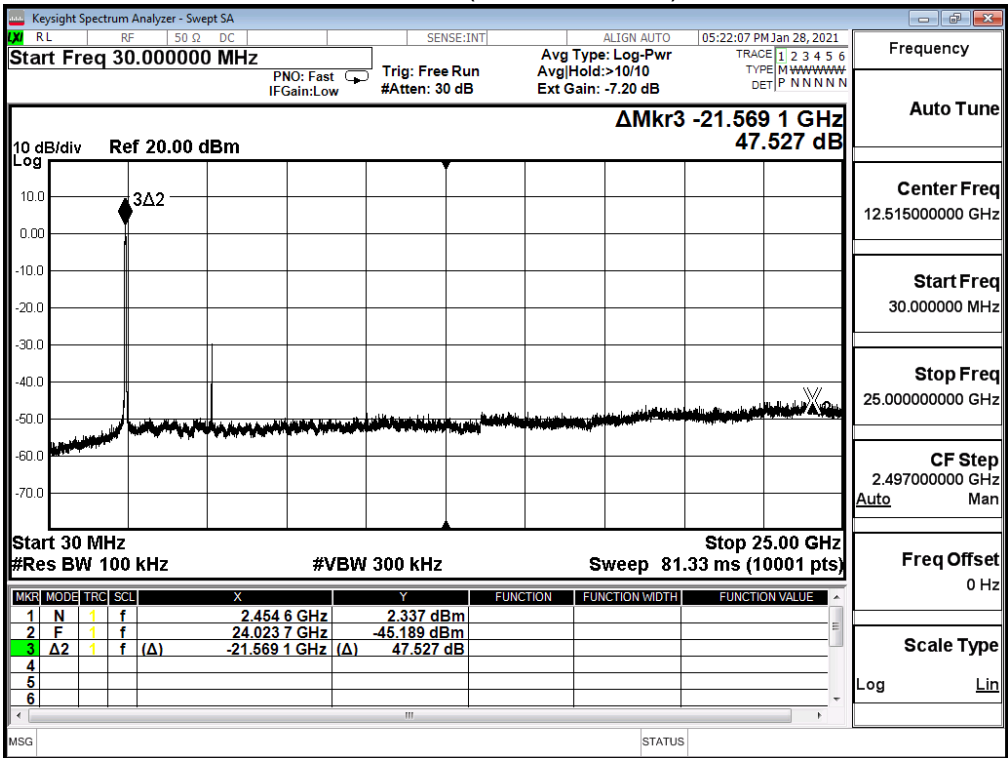
2422MHz (30MHz-25GHz)



2437MHz (30MHz-25GHz)



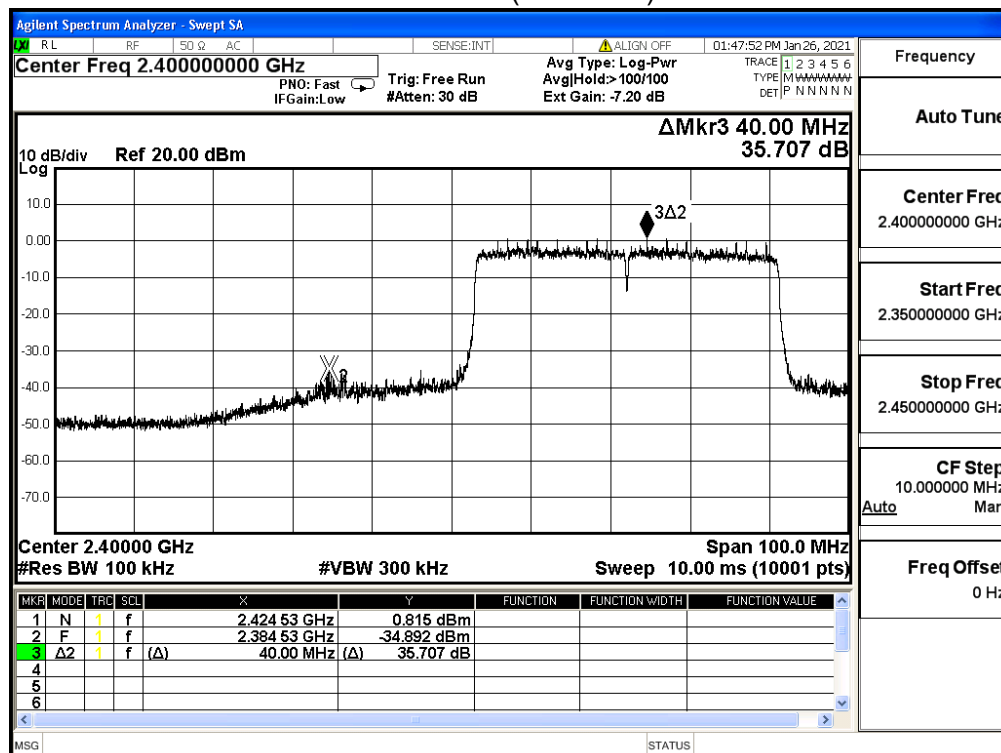
2452MHz (30MHz-25GHz)



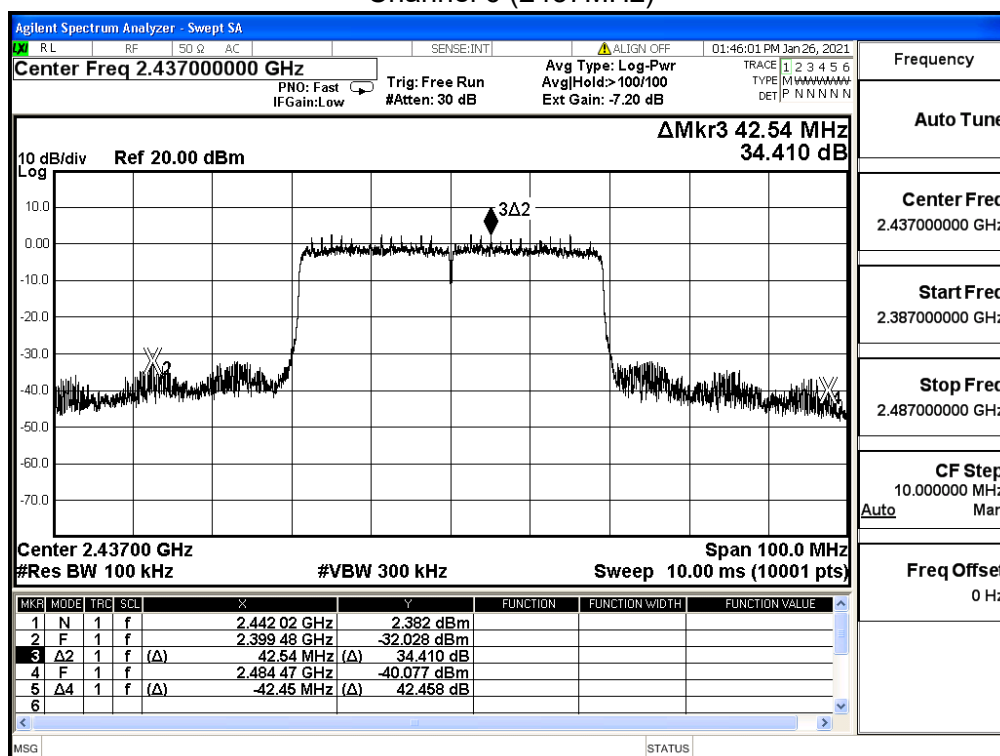
Product	Mesh Wi-Fi Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit_Non-BF_EBM552U		
Date of Test	2021/01/26~2021/01/28	Test Site	SR12-H
Test Temperature	21.0	Humidity (%RH)	66.0

IEEE 802.11ax(40M)(ANT 1)				
Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
3	2422	35.707	≥ 30	Pass
6	2437	34.410	≥ 30	Pass
9	2452	35.337	≥ 30	Pass

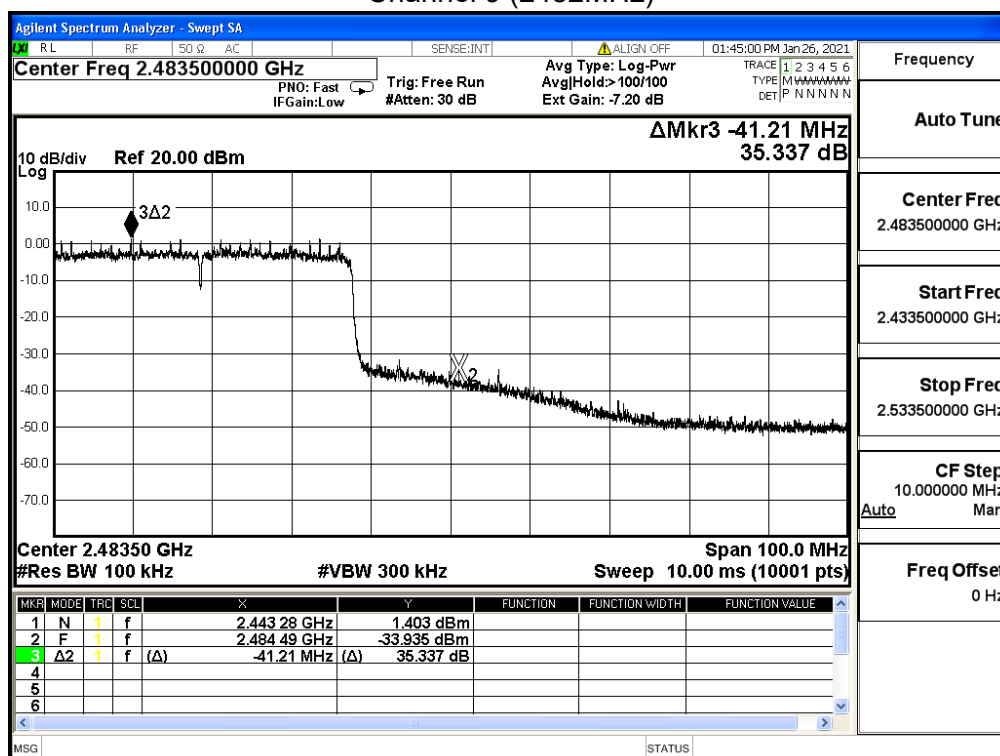
Channel 3 (2422MHz)



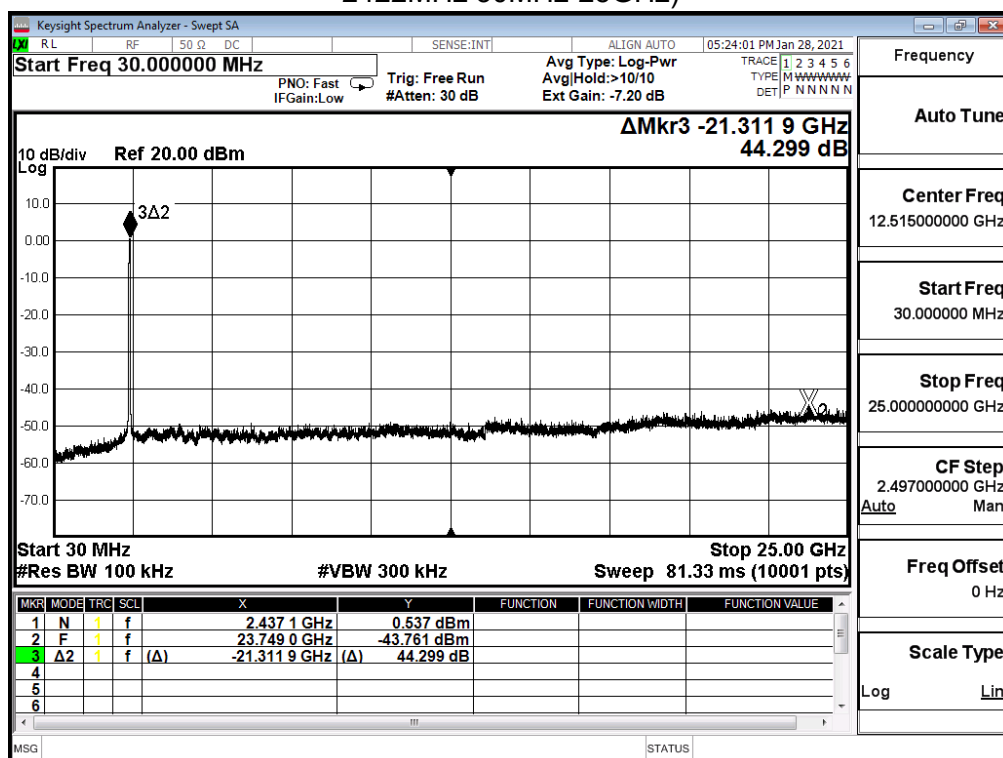
Channel 6 (2437MHz)



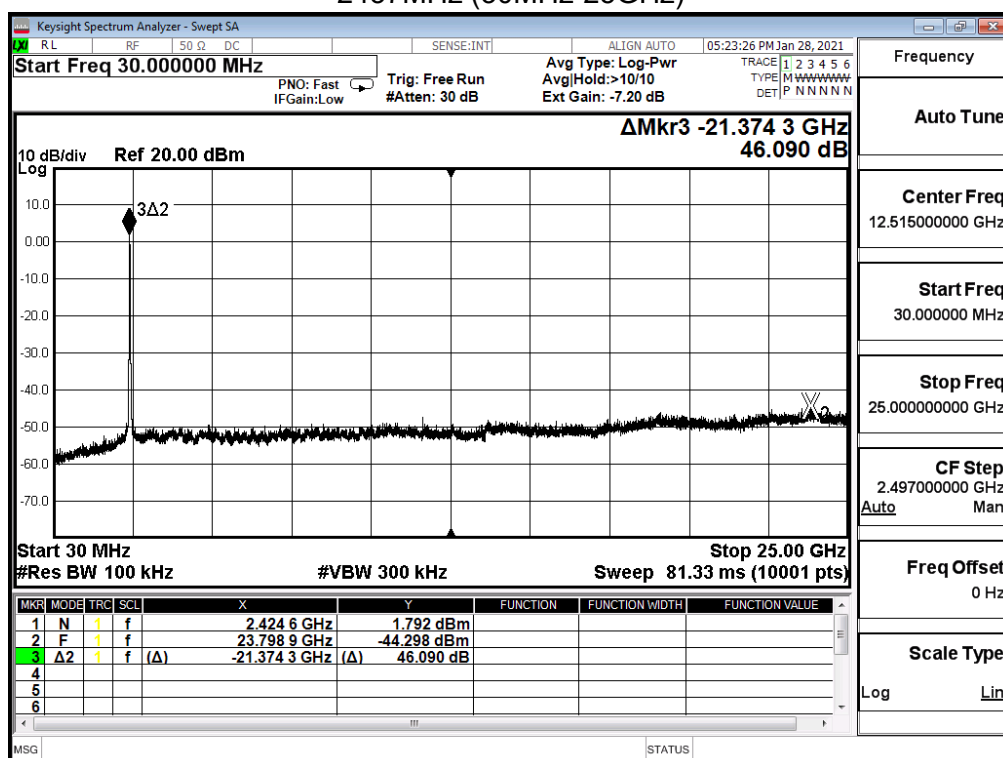
Channel 9 (2452MHz)



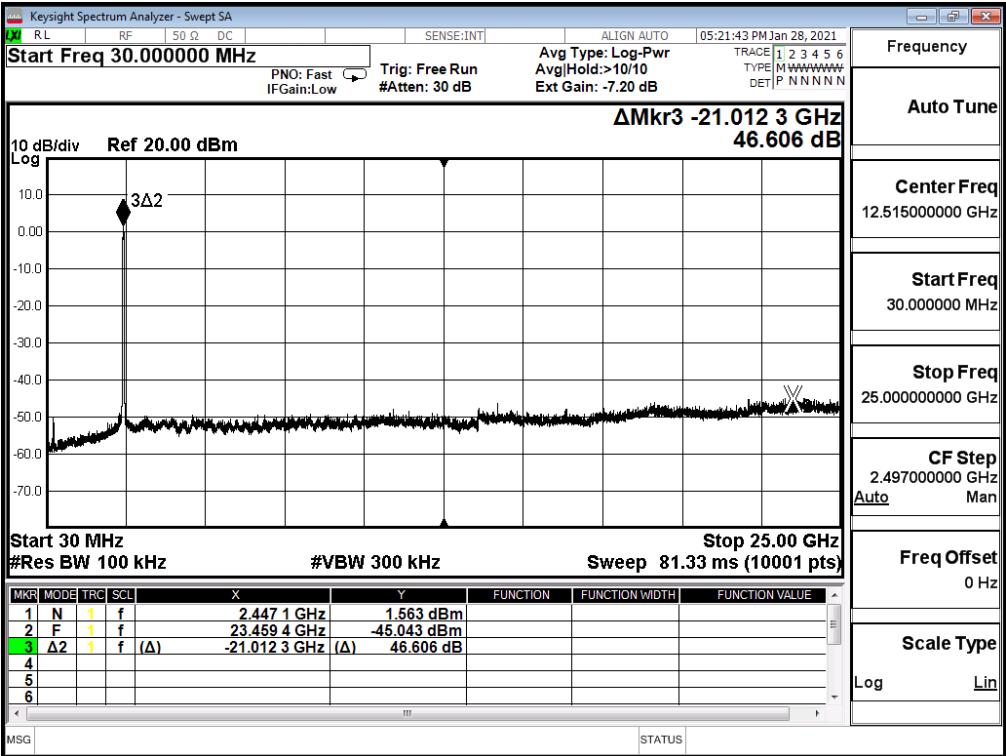
2422MHz 30MHz-25GHz)



2437MHz (30MHz-25GHz)

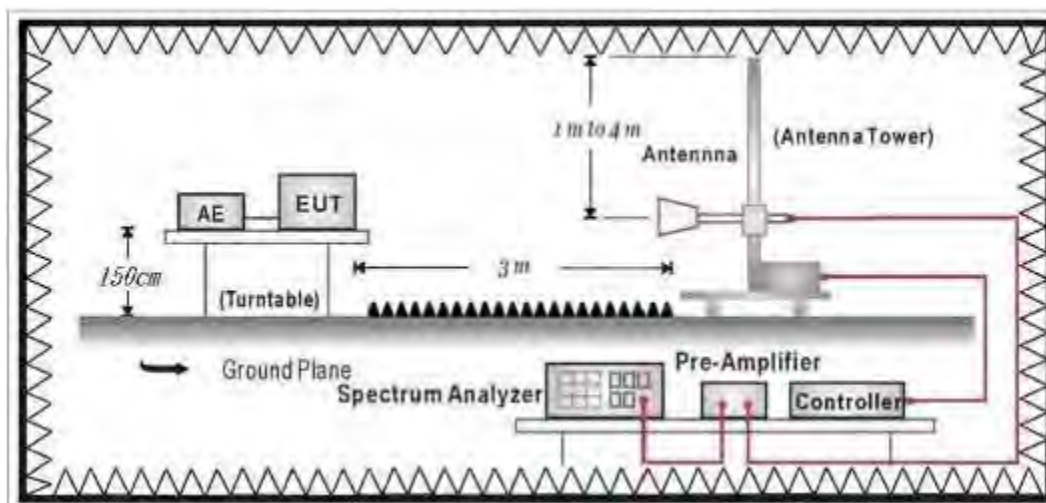


2452MHz (30MHz-25GHz)



6. Radiated Emission Band Edge

6.1. Test Setup



6.2. Limits

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

6.3. Test Procedure

The EUT was setup according to ANSI C63.10: 2013 and tested according to DTS test procedure of KDB 558074 D01 v05r02 for compliance to FCC 47CFR 15.247 requirements. The EUT and its simulators are placed on a turn table which is 1.5 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that the distance from antenna to the EUT was 3 meters. The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.

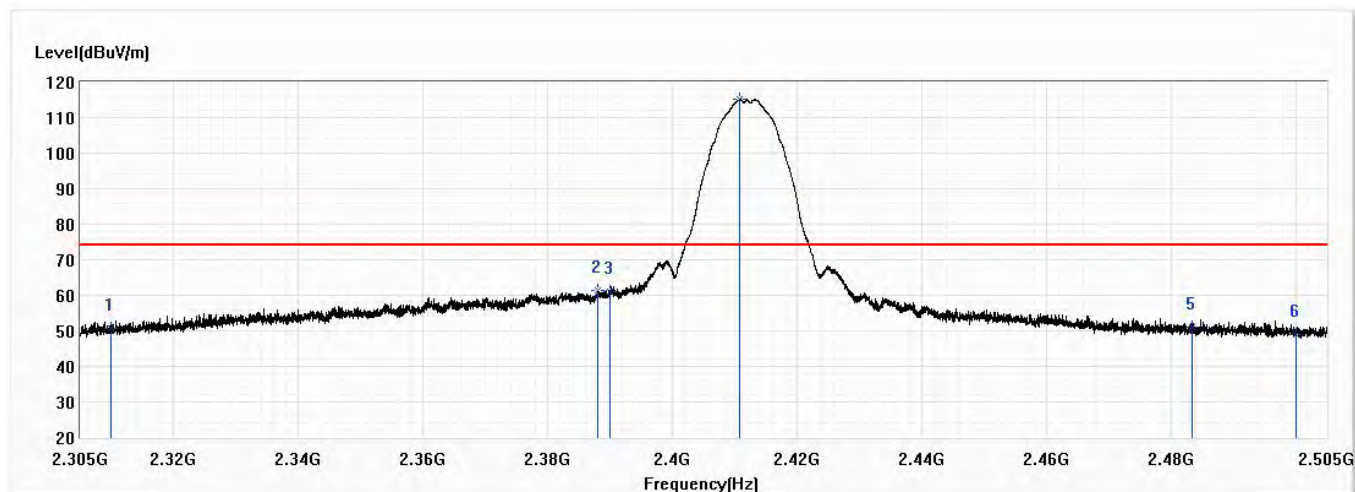
Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.10: 2013 on radiated measurement.

6.4. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2019

6.5. Test Result

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/1/12
Test Mode	Mode 1: Transmit_Non-BF_EBM552U	Engineer	Carlos Chen
Polarity	Horizontal	Temperature (°C)	22.3
Test Condition	802.11b,Ch 1,2.412G,BW20M	Humidity (%RH)	53.9

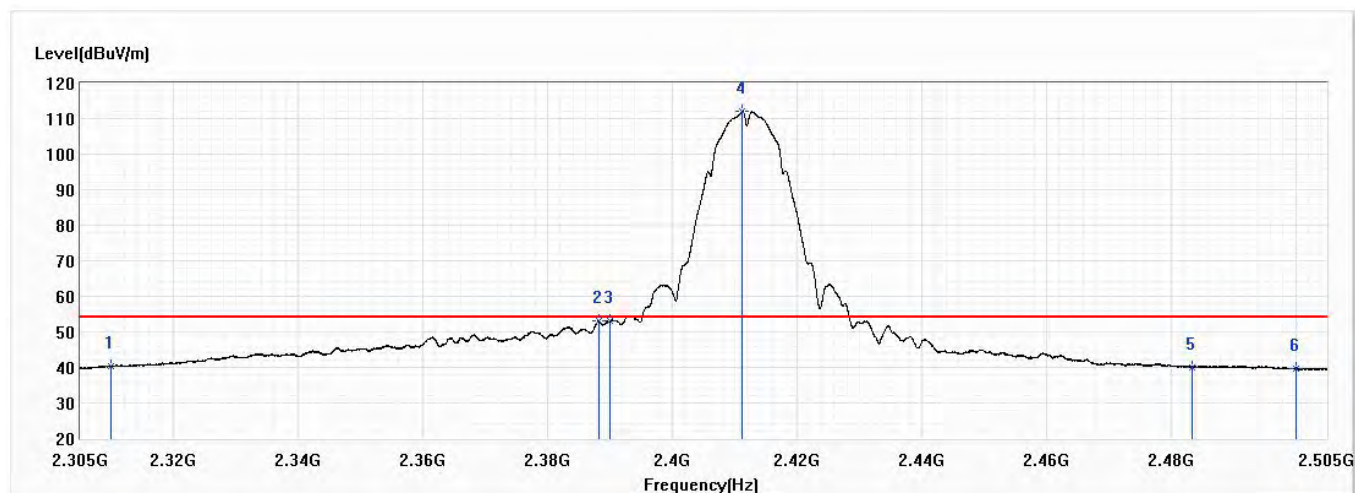


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	50.81	74.00	-23.19	37.66	13.15	PK
2	2387.975	61.34	74.00	-12.66	47.64	13.70	PK
3	2390.000	60.98	74.00	-13.02	47.28	13.70	PK
! 4	2410.875	115.08	74.00	41.08	101.23	13.85	PK
5	2483.500	50.99	74.00	-23.01	36.63	14.36	PK
6	2500.000	48.90	74.00	-25.10	34.42	14.48	PK

Note:

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

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/1/12
Test Mode	Mode 1: Transmit_Non-BF_EBM552U	Engineer	Carlos Chen
Polarity	Horizontal	Temperature (°C)	22.3
Test Condition	802.11b,Ch 1,2.412G,BW20M	Humidity (%RH)	53.9

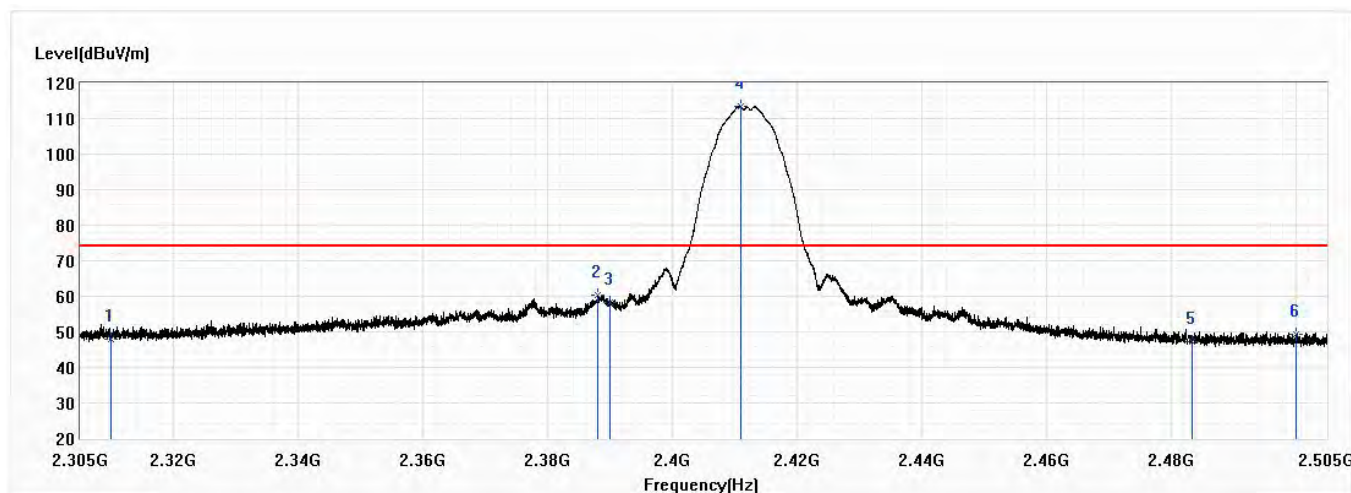


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	40.26	54.00	-13.74	27.11	13.15	AV
2	2388.125	53.17	54.00	-0.83	39.47	13.70	AV
3	2390.000	52.95	54.00	-1.05	39.25	13.70	AV
! 4	2411.200	112.08	54.00	58.08	98.23	13.85	AV
5	2483.500	40.13	54.00	-13.87	25.77	14.36	AV
6	2500.000	39.76	54.00	-14.24	25.28	14.48	AV

Note:

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

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/1/12
Test Mode	Mode 1: Transmit_Non-BF_EBM552U	Engineer	Carlos Chen
Polarity	Vertical	Temperature (°C)	22.3
Test Condition	802.11b,Ch 1,2.412G,BW20M	Humidity (%RH)	53.9

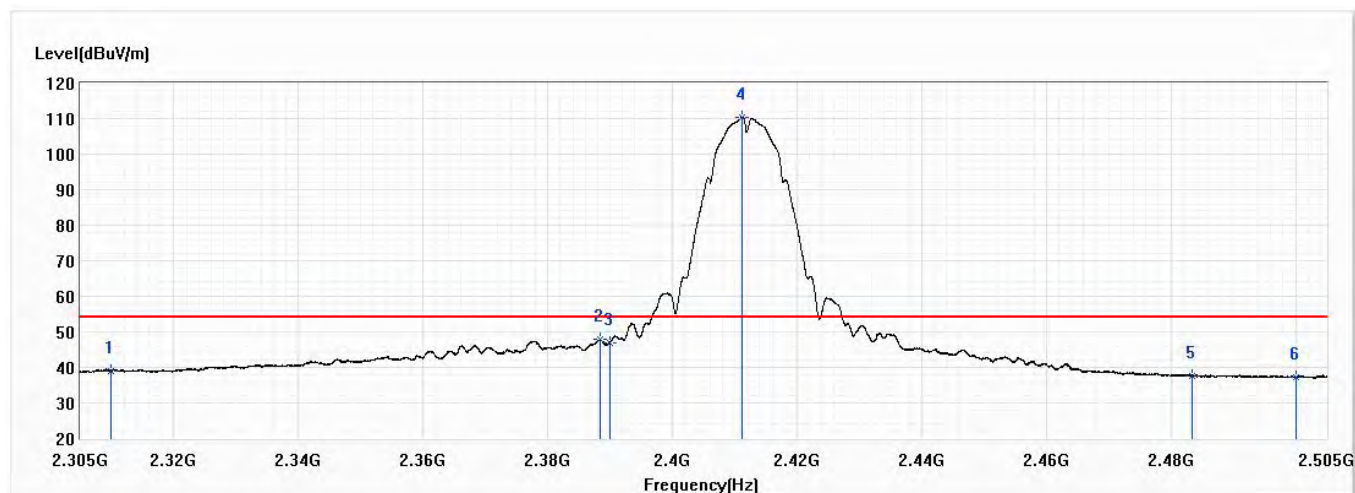


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	47.97	74.00	-26.03	34.82	13.15	PK
2	2388.000	60.34	74.00	-13.66	46.64	13.70	PK
3	2390.000	58.27	74.00	-15.73	44.57	13.70	PK
! 4	2410.975	113.49	74.00	39.49	99.64	13.85	PK
5	2483.500	47.40	74.00	-26.60	33.04	14.36	PK
6	2500.000	49.38	74.00	-24.62	34.90	14.48	PK

Note:

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

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/1/12
Test Mode	Mode 1: Transmit_Non-BF_EBM552U	Engineer	Carlos Chen
Polarity	Vertical	Temperature (°C)	22.3
Test Condition	802.11b,Ch 1,2.412G,BW20M	Humidity (%RH)	53.9

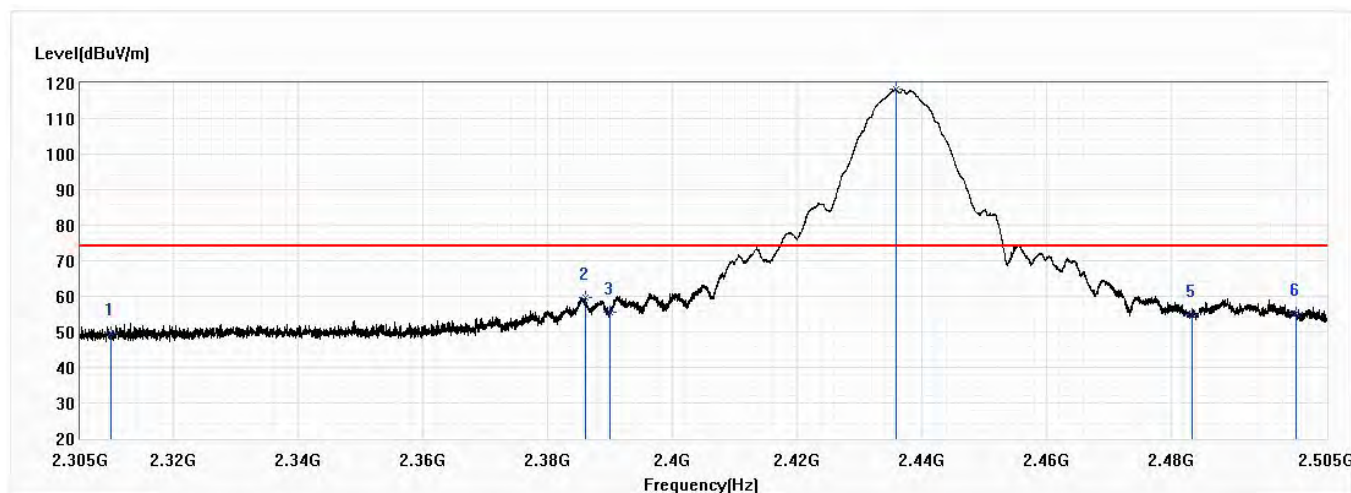


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	38.93	54.00	-15.07	25.78	13.15	AV
2	2388.350	47.93	54.00	-6.07	34.23	13.70	AV
3	2390.000	46.87	54.00	-7.13	33.17	13.70	AV
! 4	2411.275	110.42	54.00	56.42	96.57	13.85	AV
5	2483.500	37.73	54.00	-16.27	23.37	14.36	AV
6	2500.000	37.24	54.00	-16.76	22.76	14.48	AV

Note:

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

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/1/12
Test Mode	Mode 1: Transmit_Non-BF_EBM552U	Engineer	Carlos Chen
Polarity	Horizontal	Temperature (°C)	22.3
Test Condition	802.11b,Ch 6,2.437G,BW20M	Humidity (%RH)	53.9

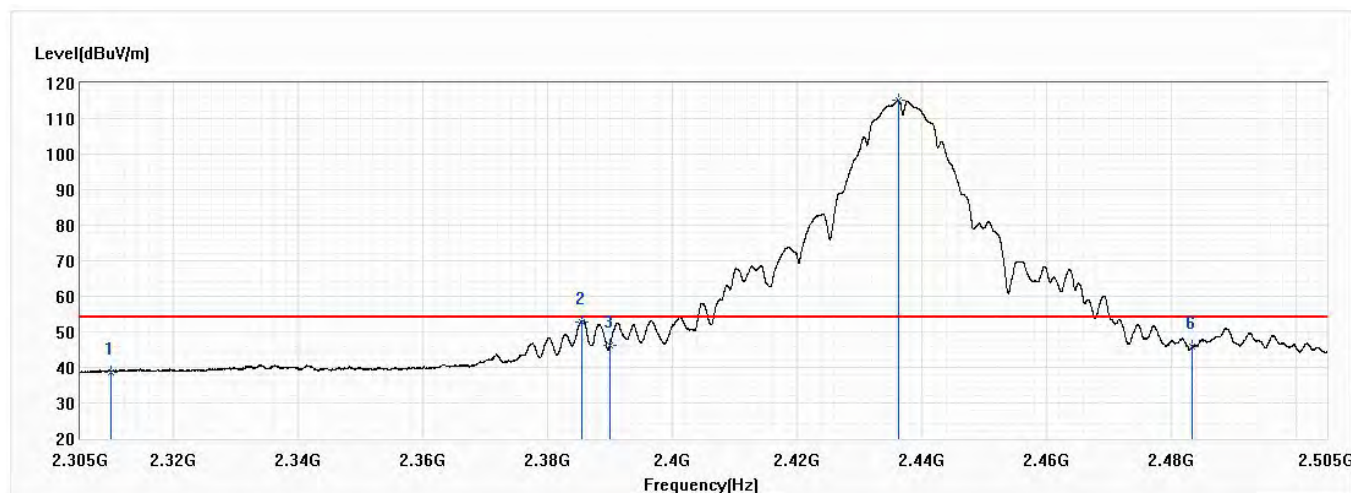


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	49.75	74.00	-24.25	36.60	13.15	PK
2	2386.075	59.51	74.00	-14.49	45.84	13.67	PK
3	2390.000	55.53	74.00	-18.47	41.83	13.70	PK
! 4	2435.900	118.14	74.00	44.14	104.12	14.02	PK
5	2483.500	55.00	74.00	-19.00	40.64	14.36	PK
6	2500.000	55.15	74.00	-18.85	40.67	14.48	PK

Note:

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

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/1/12
Test Mode	Mode 1: Transmit_Non-BF_EBM552U	Engineer	Carlos Chen
Polarity	Horizontal	Temperature (°C)	22.3
Test Condition	802.11b,Ch 6,2.437G,BW20M	Humidity (%RH)	53.9

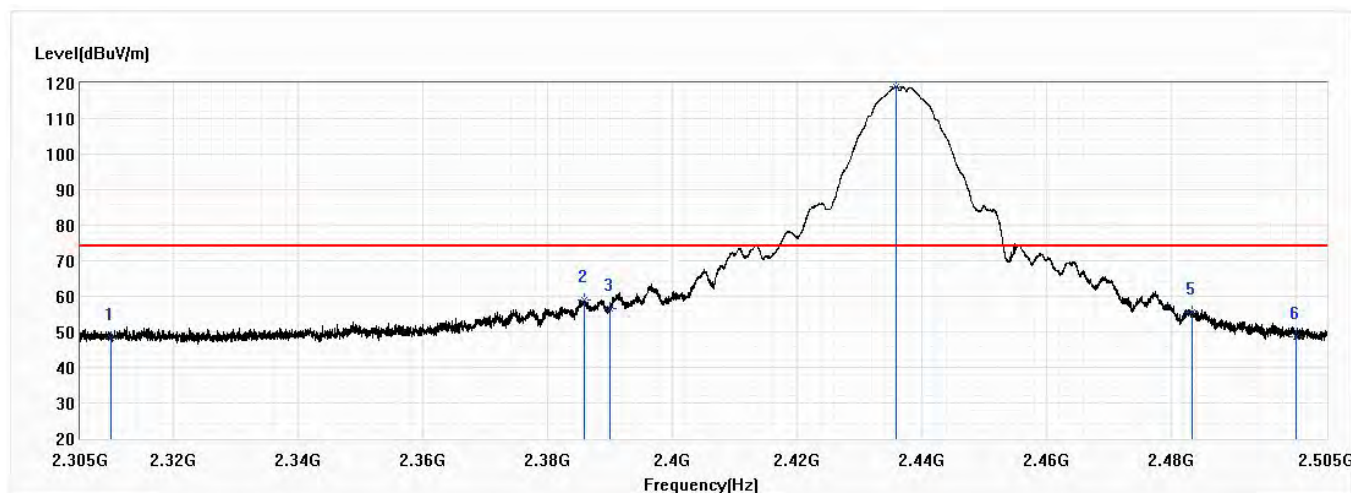


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	38.76	54.00	-15.24	25.61	13.15	AV
2	2385.475	52.91	54.00	-1.09	39.24	13.67	AV
3	2390.000	46.16	54.00	-7.84	32.46	13.70	AV
! 4	2436.275	115.28	54.00	61.28	101.24	14.04	AV
5	2483.500	45.86	54.00	-8.14	31.50	14.36	AV
6	2483.500	45.86	54.00	-8.14	31.50	14.36	AV

Note:

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

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/1/12
Test Mode	Mode 1: Transmit_Non-BF_EBM552U	Engineer	Carlos Chen
Polarity	Vertical	Temperature (°C)	22.3
Test Condition	802.11b,Ch 6,2.437G,BW20M	Humidity (%RH)	53.9

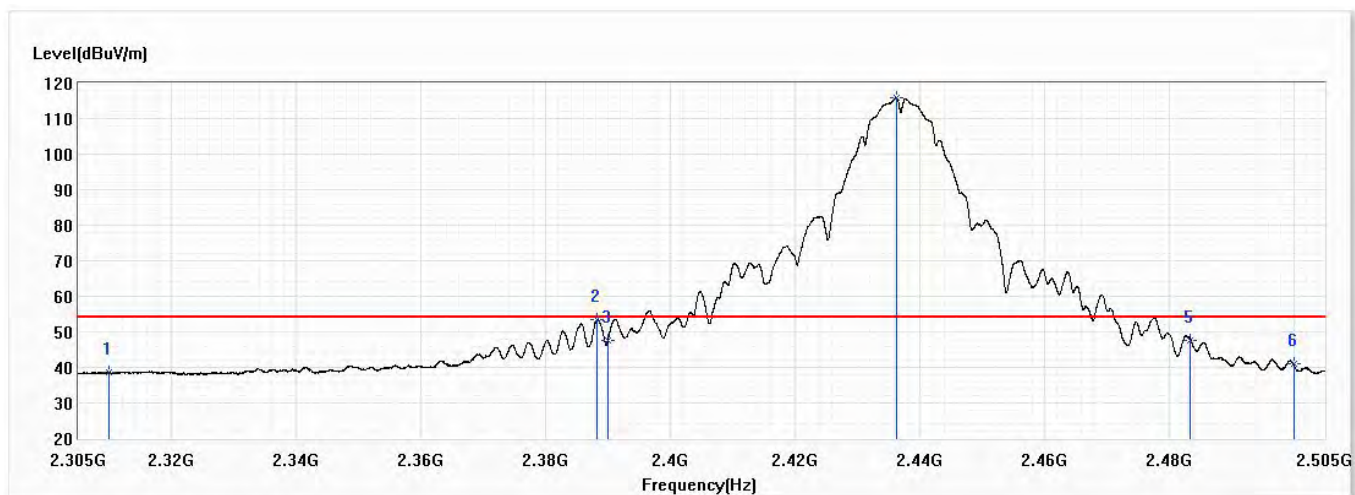


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	48.32	74.00	-25.68	35.17	13.15	PK
2	2385.900	59.04	74.00	-14.96	45.37	13.67	PK
3	2390.000	56.41	74.00	-17.59	42.71	13.70	PK
! 4	2435.900	118.90	74.00	44.90	104.88	14.02	PK
5	2483.500	55.54	74.00	-18.46	41.18	14.36	PK
6	2500.000	48.63	74.00	-25.37	34.15	14.48	PK

Note:

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

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/1/12
Test Mode	Mode 1: Transmit_Non-BF_EBM552U	Engineer	Carlos Chen
Polarity	Vertical	Temperature (°C)	22.3
Test Condition	802.11b,Ch 6,2.437G,BW20M	Humidity (%RH)	53.9

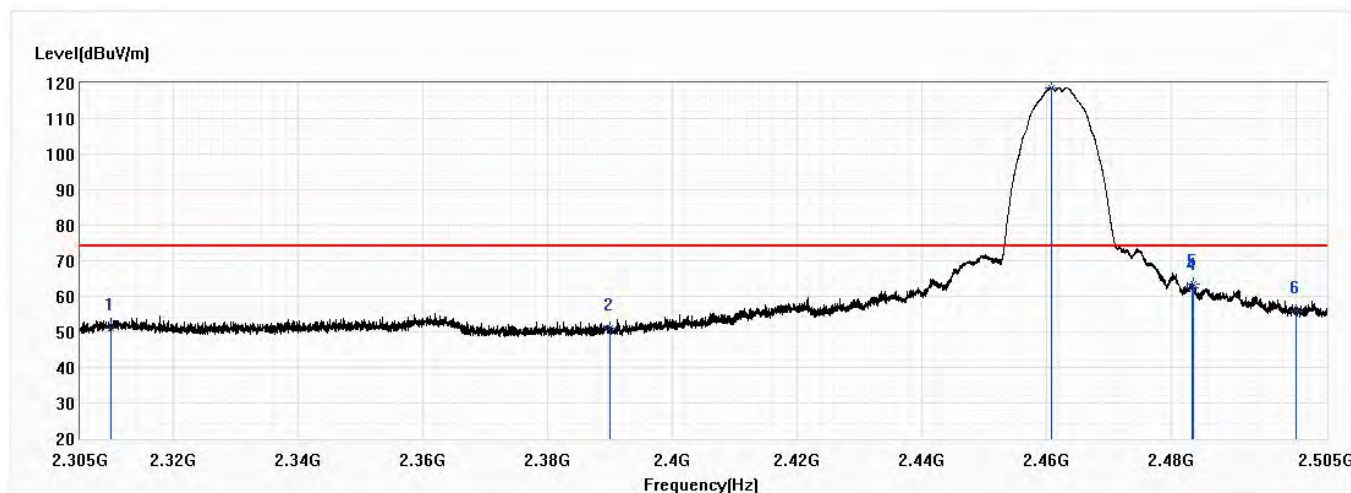


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	38.69	54.00	-15.31	25.54	13.15	AV
2	2388.225	53.43	54.00	-0.57	39.73	13.70	AV
3	2390.000	47.48	54.00	-6.52	33.78	13.70	AV
! 4	2436.275	115.98	54.00	61.98	101.94	14.04	AV
5	2483.500	47.45	54.00	-6.55	33.09	14.36	AV
6	2500.000	41.05	54.00	-12.95	26.57	14.48	AV

Note:

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

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/1/12
Test Mode	Mode 1: Transmit_Non-BF_EBM552U	Engineer	Carlos Chen
Polarity	Horizontal	Temperature (°C)	22.3
Test Condition	802.11b,Ch 11,2.462G,BW20M	Humidity (%RH)	53.9

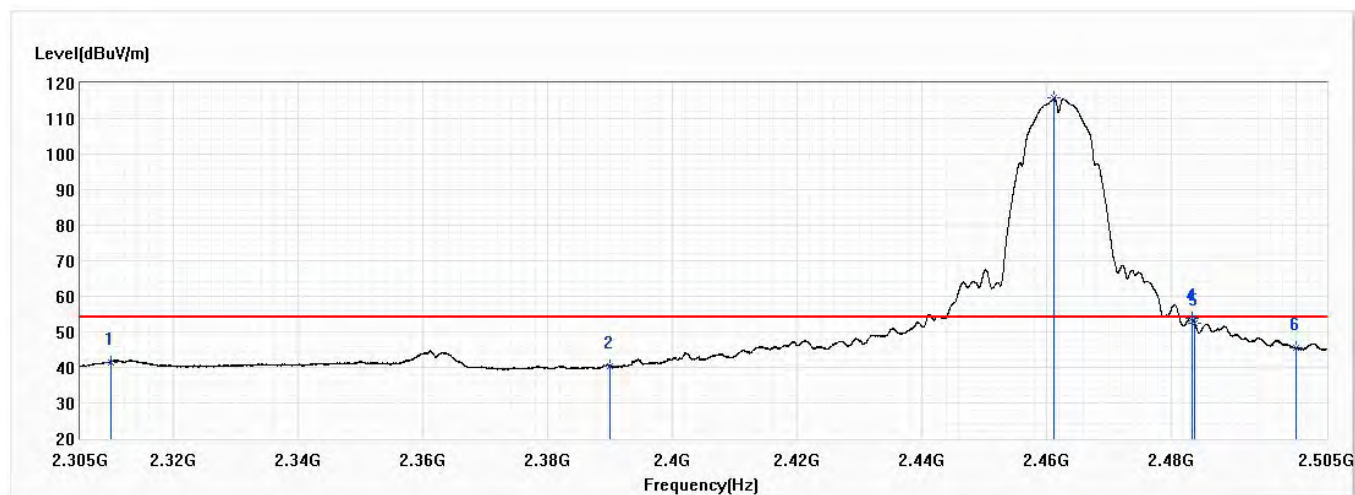


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	50.89	74.00	-23.11	37.74	13.15	PK
2	2390.000	51.19	74.00	-22.81	37.49	13.70	PK
! 3	2460.800	118.78	74.00	44.78	104.57	14.21	PK
4	2483.500	62.43	74.00	-11.57	48.07	14.36	PK
5	2483.600	63.37	74.00	-10.63	49.01	14.36	PK
6	2500.000	55.71	74.00	-18.29	41.23	14.48	PK

Note:

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

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/1/12
Test Mode	Mode 1: Transmit_Non-BF_EBM552U	Engineer	Carlos Chen
Polarity	Horizontal	Temperature (°C)	22.3
Test Condition	802.11b,Ch 11,2.462G,BW20M	Humidity (%RH)	53.9

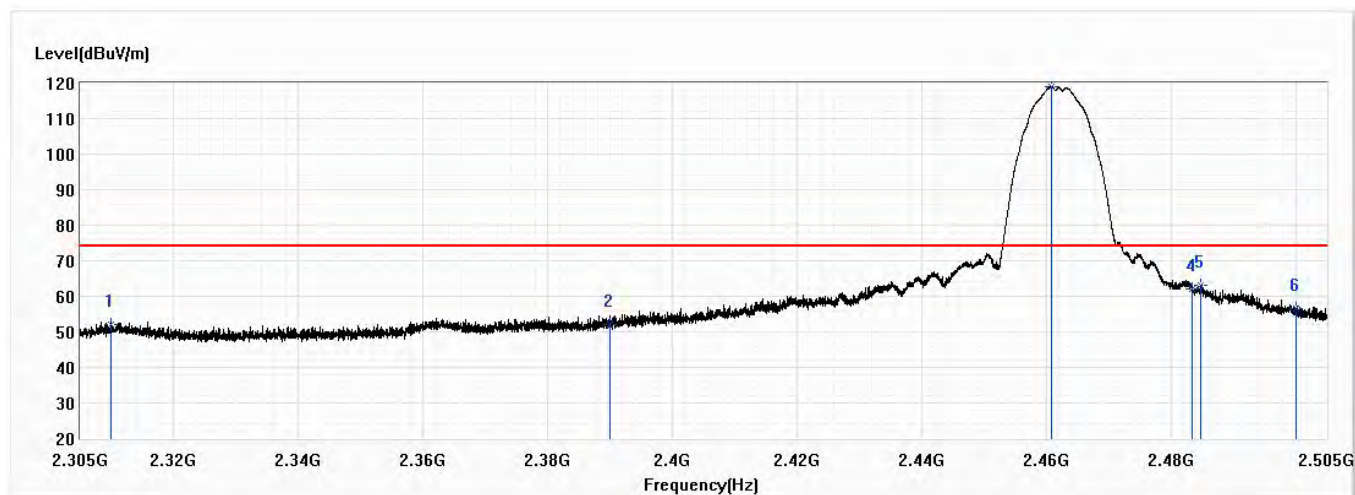


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	41.51	54.00	-12.49	28.36	13.15	AV
2	2390.000	40.38	54.00	-13.62	26.68	13.70	AV
! 3	2461.250	115.78	54.00	61.78	101.57	14.21	AV
4	2483.500	53.67	54.00	-0.33	39.31	14.36	AV
5	2483.775	52.49	54.00	-1.51	38.13	14.36	AV
6	2500.000	45.47	54.00	-8.53	30.99	14.48	AV

Note:

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

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/1/12
Test Mode	Mode 1: Transmit_Non-BF_EBM552U	Engineer	Carlos Chen
Polarity	Vertical	Temperature (°C)	22.3
Test Condition	802.11b,Ch 11,2.462G,BW20M	Humidity (%RH)	53.9

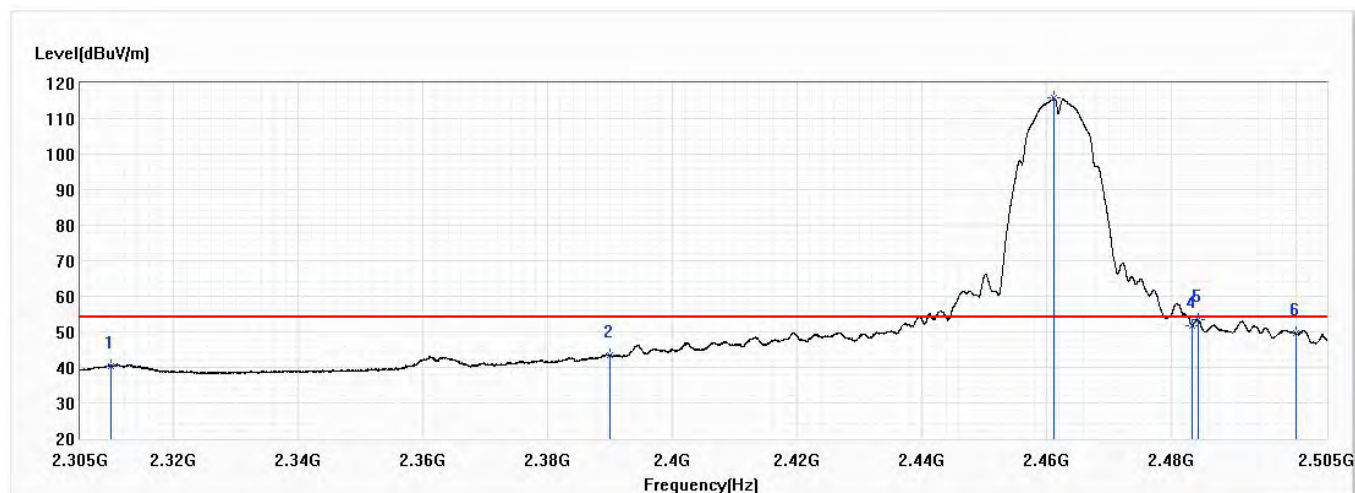


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	51.91	74.00	-22.09	38.76	13.15	PK
2	2390.000	52.14	74.00	-21.86	38.44	13.70	PK
! 3	2460.875	118.93	74.00	44.93	104.72	14.21	PK
4	2483.500	61.97	74.00	-12.03	47.61	14.36	PK
5	2484.875	62.97	74.00	-11.03	48.60	14.37	PK
6	2500.000	56.68	74.00	-17.32	42.20	14.48	PK

Note:

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

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/1/12
Test Mode	Mode 1: Transmit_Non-BF_EBM552U	Engineer	Carlos Chen
Polarity	Vertical	Temperature (°C)	22.3
Test Condition	802.11b,Ch 11,2.462G,BW20M	Humidity (%RH)	53.9

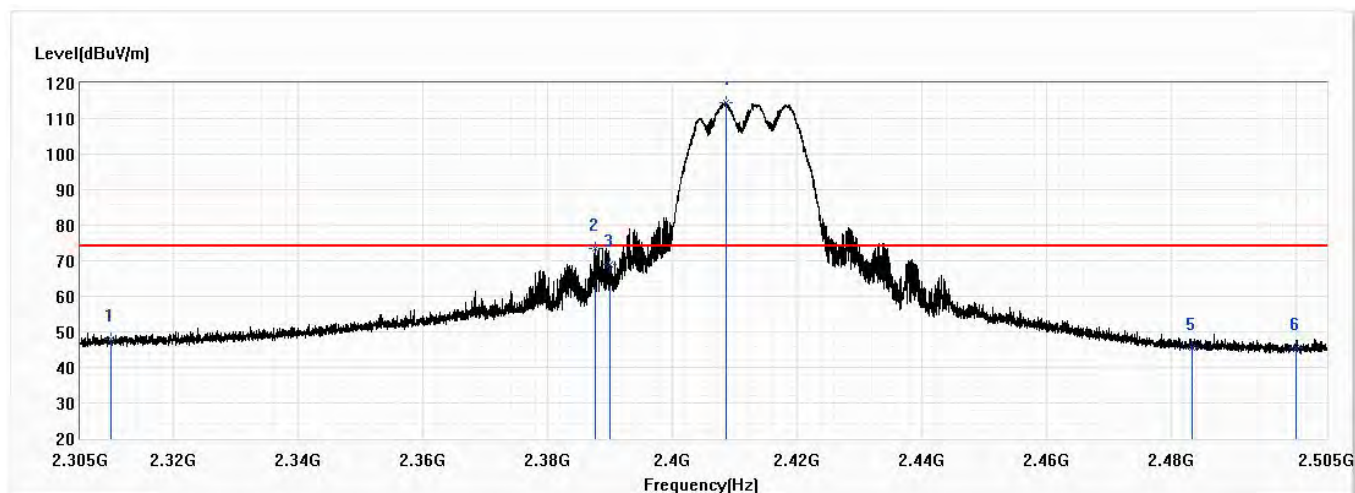


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	40.38	54.00	-13.62	27.23	13.15	AV
2	2390.000	43.32	54.00	-10.68	29.62	13.70	AV
! 3	2461.200	115.81	54.00	61.81	101.60	14.21	AV
4	2483.500	51.84	54.00	-2.16	37.48	14.36	AV
5	2484.325	53.50	54.00	-0.50	39.14	14.36	AV
6	2500.000	49.56	54.00	-4.44	35.08	14.48	AV

Note:

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

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/1/12
Test Mode	Mode 1: Transmit_Non-BF_EBM552U	Engineer	Carlos Chen
Polarity	Horizontal	Temperature (°C)	22.3
Test Condition	802.11g,Ch1,2.412G,BW20M	Humidity (%RH)	53.9

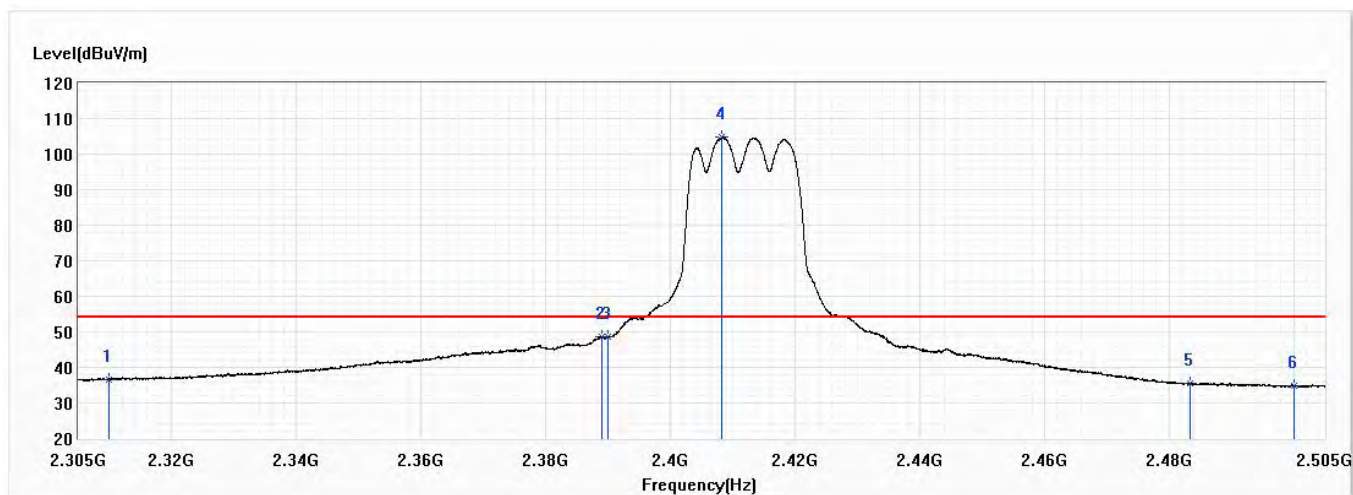


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	47.79	74.00	-26.21	34.64	13.15	PK
2	2387.625	73.49	74.00	-0.51	59.79	13.70	PK
3	2390.000	69.00	74.00	-5.00	55.30	13.70	PK
! 4	2408.600	114.52	74.00	40.52	100.68	13.84	PK
5	2483.500	45.61	74.00	-28.39	31.25	14.36	PK
6	2500.000	45.43	74.00	-28.57	30.95	14.48	PK

Note:

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

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/1/12
Test Mode	Mode 1: Transmit_Non-BF_EBM552U	Engineer	Carlos Chen
Polarity	Horizontal	Temperature (°C)	22.3
Test Condition	802.11g,Ch1,2.412G,BW20M	Humidity (%RH)	53.9

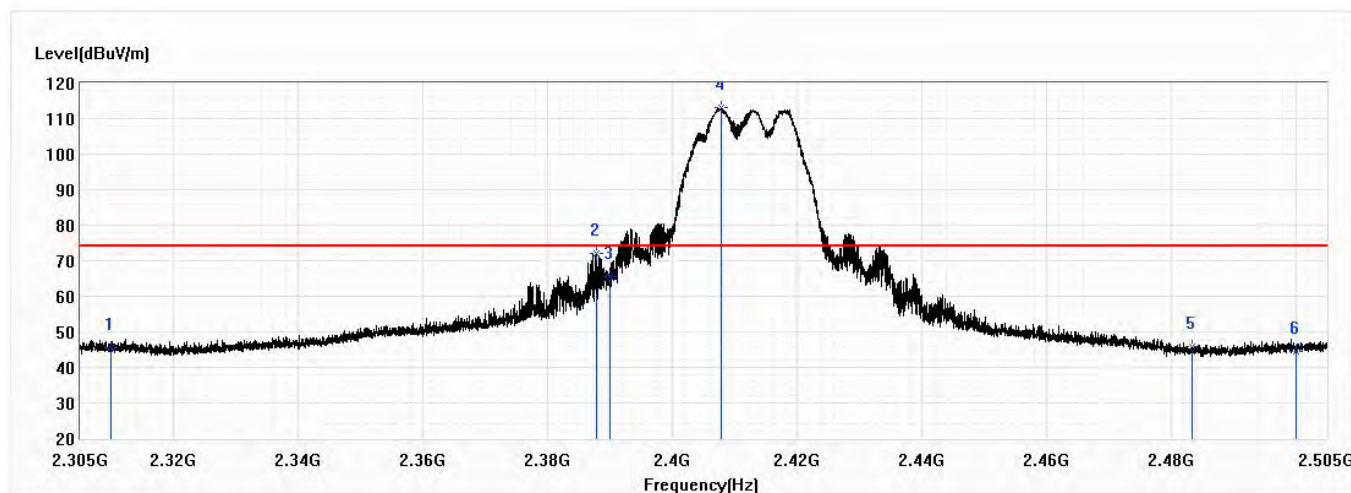


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	36.58	54.00	-17.42	23.43	13.15	AV
2	2389.025	48.65	54.00	-5.35	34.95	13.70	AV
3	2390.000	48.77	54.00	-5.23	35.07	13.70	AV
! 4	2408.300	104.68	54.00	50.68	90.85	13.83	AV
5	2483.500	35.36	54.00	-18.64	21.00	14.36	AV
6	2500.000	34.91	54.00	-19.09	20.43	14.48	AV

Note:

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

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/1/12
Test Mode	Mode 1: Transmit_Non-BF_EBM552U	Engineer	Carlos Chen
Polarity	Vertical	Temperature (°C)	22.3
Test Condition	802.11g,Ch1,2.412G,BW20M	Humidity (%RH)	53.9

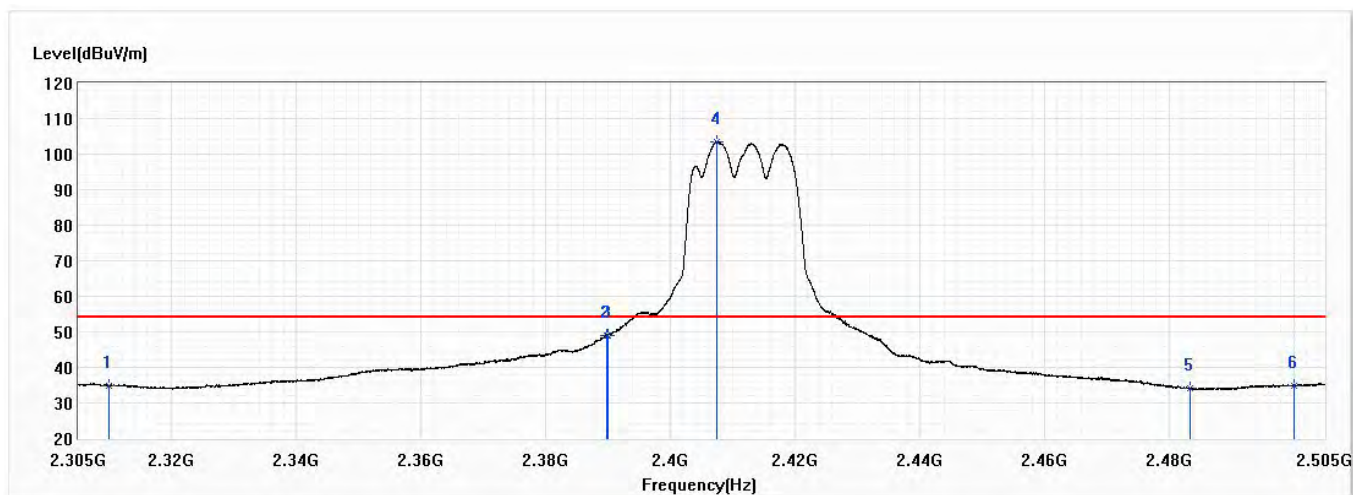


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	45.63	74.00	-28.37	32.48	13.15	PK
2	2387.800	72.16	74.00	-1.84	58.46	13.70	PK
3	2390.000	65.63	74.00	-8.37	51.93	13.70	PK
! 4	2407.800	112.96	74.00	38.96	99.13	13.83	PK
5	2483.500	45.72	74.00	-28.28	31.36	14.36	PK
6	2500.000	44.55	74.00	-29.45	30.07	14.48	PK

Note:

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

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/1/12
Test Mode	Mode 1: Transmit_Non-BF_EBM552U	Engineer	Carlos Chen
Polarity	Vertical	Temperature (°C)	22.3
Test Condition	802.11g,Ch1,2.412G,BW20M	Humidity (%RH)	53.9

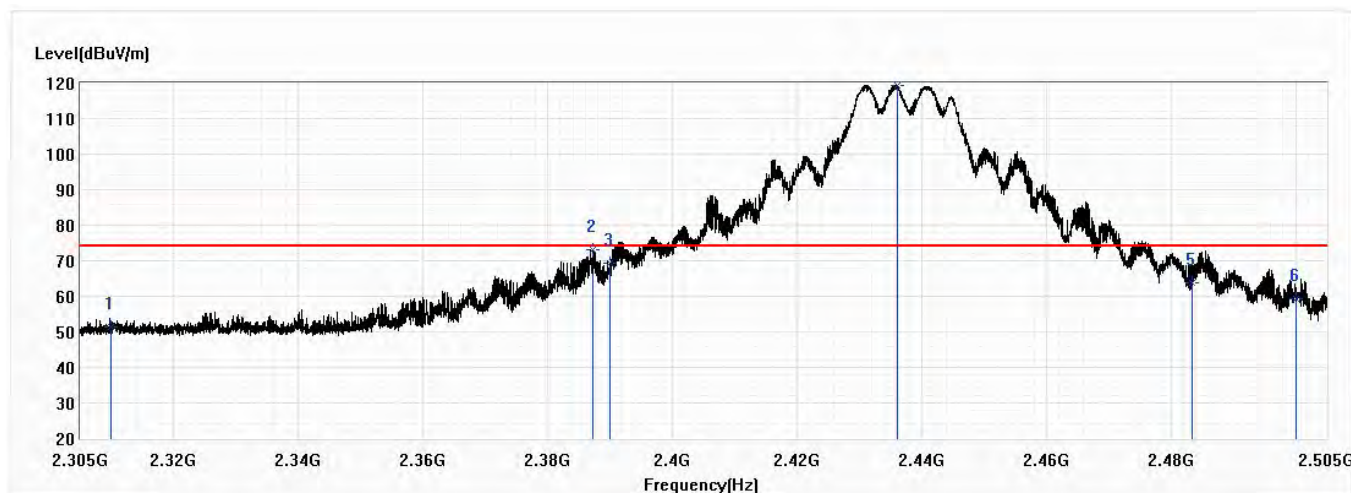


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	34.78	54.00	-19.22	21.63	13.15	AV
2	2389.700	49.13	54.00	-4.87	35.43	13.70	AV
3	2390.000	49.10	54.00	-4.90	35.40	13.70	AV
! 4	2407.450	103.56	54.00	49.56	89.73	13.83	AV
5	2483.500	34.08	54.00	-19.92	19.72	14.36	AV
6	2500.000	34.86	54.00	-19.14	20.38	14.48	AV

Note:

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

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/1/12
Test Mode	Mode 1: Transmit_Non-BF_EBM552U	Engineer	Carlos Chen
Polarity	Horizontal	Temperature (°C)	22.3
Test Condition	802.11g,Ch6,2.437G,BW20M	Humidity (%RH)	53.9

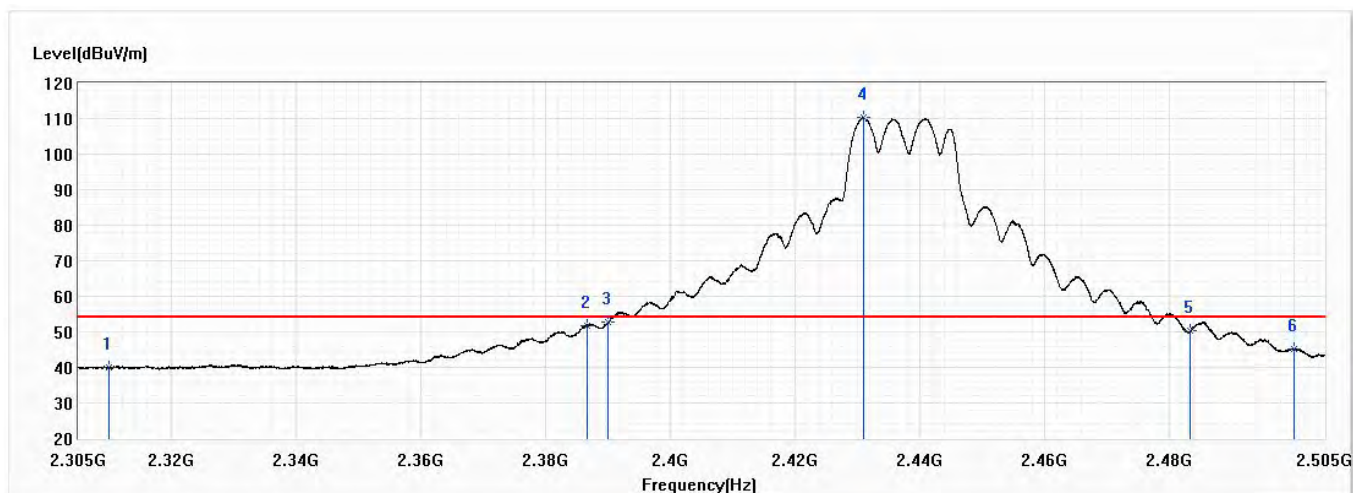


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	51.24	74.00	-22.76	38.09	13.15	PK
2	2387.300	73.22	74.00	-0.78	59.53	13.69	PK
3	2390.000	69.42	74.00	-4.58	55.72	13.70	PK
! 4	2436.025	119.35	74.00	45.35	105.33	14.02	PK
5	2483.500	63.73	74.00	-10.27	49.37	14.36	PK
6	2500.000	59.17	74.00	-14.83	44.69	14.48	PK

Note:

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

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/1/12
Test Mode	Mode 1: Transmit_Non-BF_EBM552U	Engineer	Carlos Chen
Polarity	Horizontal	Temperature (°C)	22.3
Test Condition	802.11g,Ch6,2.437G,BW20M	Humidity (%RH)	53.9

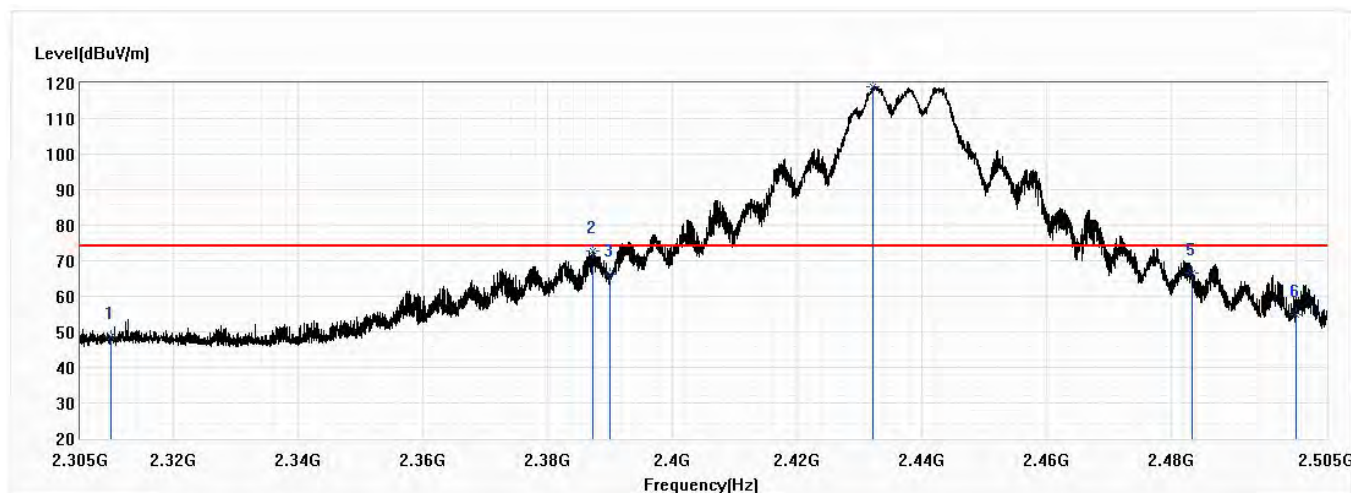


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	39.95	54.00	-14.05	26.80	13.15	AV
2	2386.650	51.89	54.00	-2.11	38.21	13.68	AV
3	2390.000	52.60	54.00	-1.40	38.90	13.70	AV
! 4	2431.025	110.33	54.00	56.33	96.33	14.00	AV
5	2483.500	50.46	54.00	-3.54	36.10	14.36	AV
6	2500.000	45.01	54.00	-8.99	30.53	14.48	AV

Note:

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

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/1/12
Test Mode	Mode 1: Transmit_Non-BF_EBM552U	Engineer	Carlos Chen
Polarity	Vertical	Temperature (°C)	22.3
Test Condition	802.11g,Ch6,2.437G,BW20M	Humidity (%RH)	53.9

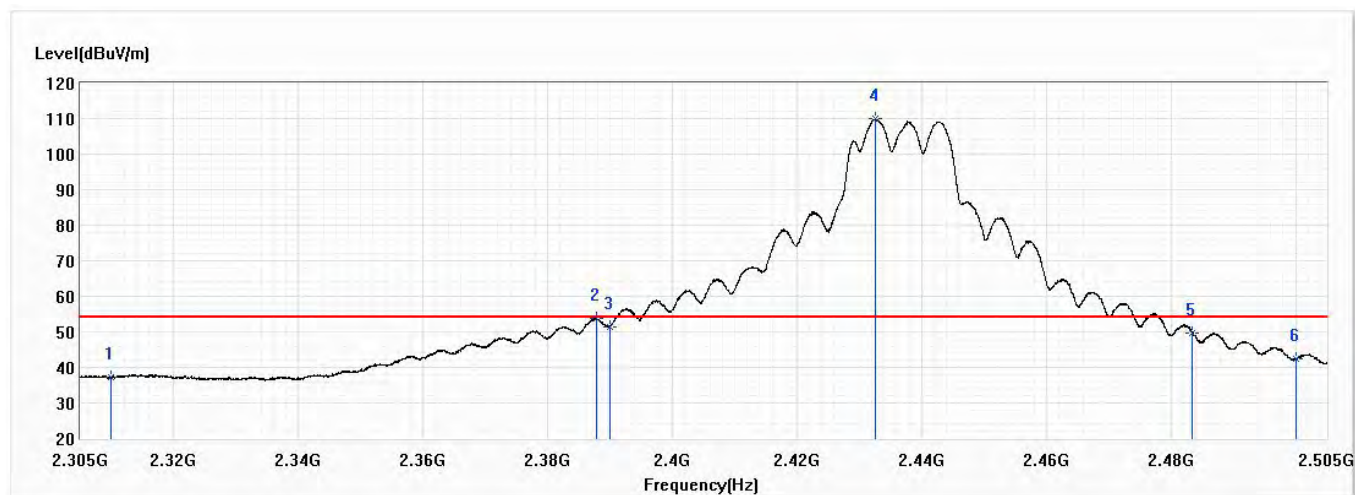


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	48.48	74.00	-25.52	35.33	13.15	PK
2	2387.250	72.86	74.00	-1.14	59.17	13.69	PK
3	2390.000	66.25	74.00	-7.75	52.55	13.70	PK
! 4	2432.275	119.07	74.00	45.07	105.06	14.01	PK
5	2483.500	66.69	74.00	-7.31	52.33	14.36	PK
6	2500.000	54.74	74.00	-19.26	40.26	14.48	PK

Note:

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

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/1/12
Test Mode	Mode 1: Transmit_Non-BF_EBM552U	Engineer	Carlos Chen
Polarity	Vertical	Temperature (°C)	22.3
Test Condition	802.11g,Ch6,2.437G,BW20M	Humidity (%RH)	53.9

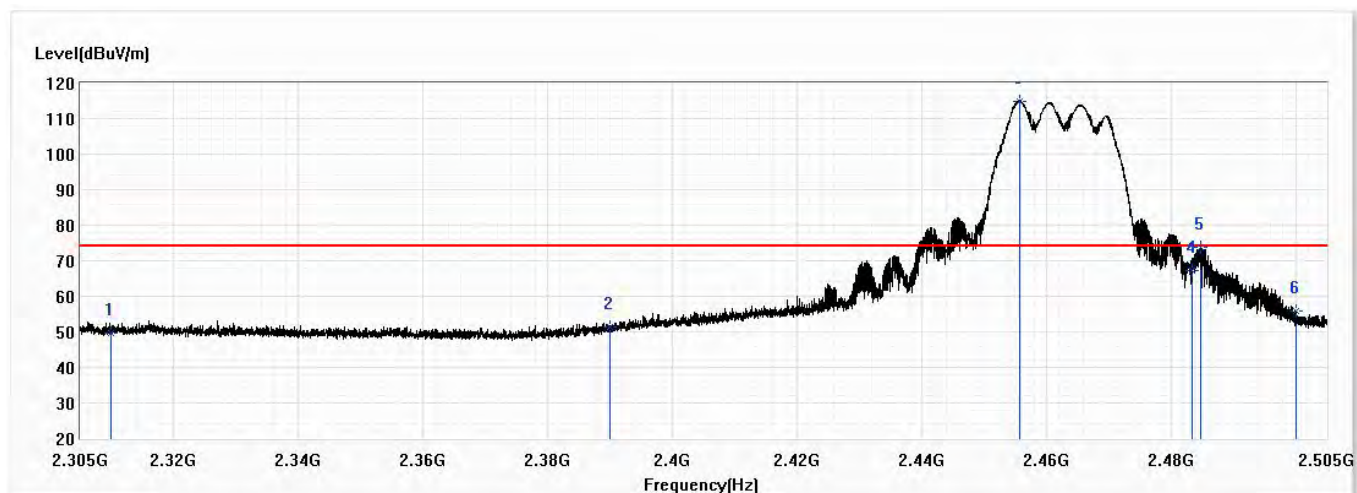


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	37.28	54.00	-16.72	24.13	13.15	AV
2	2387.800	53.65	54.00	-0.35	39.95	13.70	AV
3	2390.000	51.39	54.00	-2.61	37.69	13.70	AV
! 4	2432.500	109.83	54.00	55.83	95.82	14.01	AV
5	2483.500	49.62	54.00	-4.38	35.26	14.36	AV
6	2500.000	42.32	54.00	-11.68	27.84	14.48	AV

Note:

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

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/1/12
Test Mode	Mode 1: Transmit_Non-BF_EBM552U	Engineer	Carlos Chen
Polarity	Horizontal	Temperature (°C)	22.3
Test Condition	802.11g,Ch11,2.462G,BW20M	Humidity (%RH)	53.9

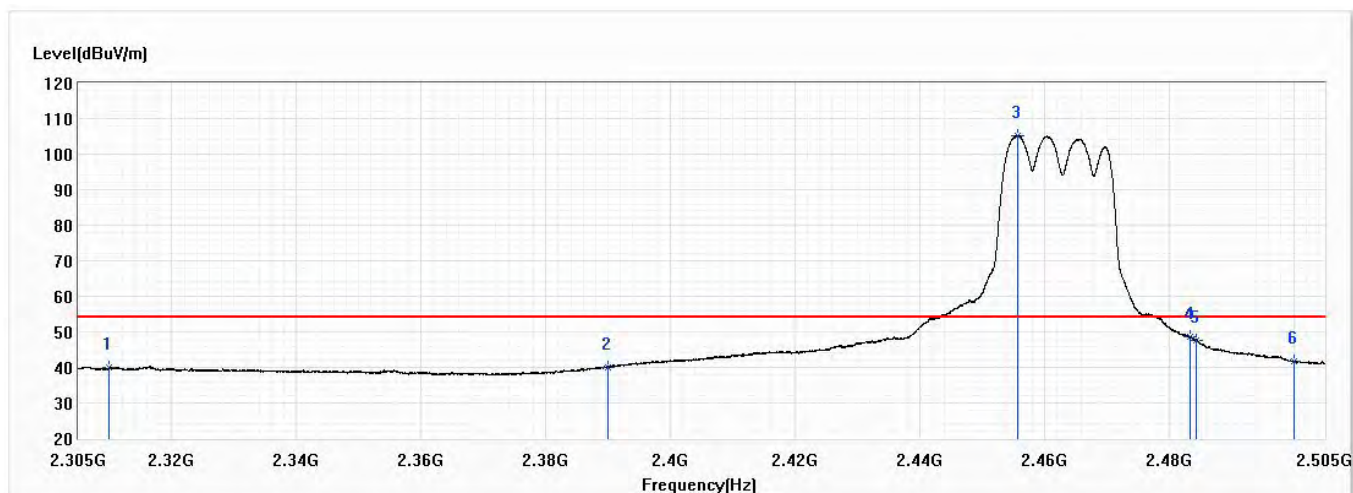


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	49.81	74.00	-24.19	36.66	13.15	PK
2	2390.000	51.43	74.00	-22.57	37.73	13.70	PK
! 3	2455.750	114.74	74.00	40.74	100.57	14.17	PK
4	2483.500	67.32	74.00	-6.68	52.96	14.36	PK
5	2484.825	73.93	74.00	-0.07	59.56	14.37	PK
6	2500.000	55.98	74.00	-18.02	41.50	14.48	PK

Note:

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

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/1/12
Test Mode	Mode 1: Transmit_Non-BF_EBM552U	Engineer	Carlos Chen
Polarity	Horizontal	Temperature (°C)	22.3
Test Condition	802.11g,Ch11,2.462G,BW20M	Humidity (%RH)	53.9

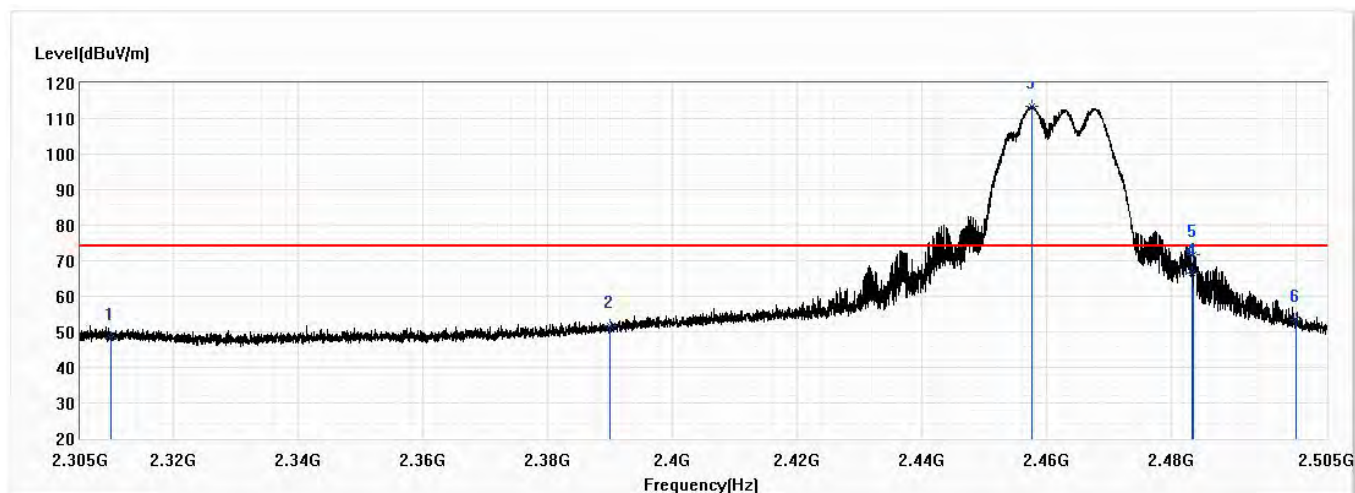


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	39.86	54.00	-14.14	26.71	13.15	AV
2	2390.000	40.03	54.00	-13.97	26.33	13.70	AV
! 3	2455.650	105.31	54.00	51.31	91.14	14.17	AV
4	2483.500	48.50	54.00	-5.50	34.14	14.36	AV
5	2484.400	47.68	54.00	-6.32	33.32	14.36	AV
6	2500.000	41.73	54.00	-12.27	27.25	14.48	AV

Note:

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

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/1/12
Test Mode	Mode 1: Transmit_Non-BF_EBM552U	Engineer	Carlos Chen
Polarity	Vertical	Temperature (°C)	22.3
Test Condition	802.11g,Ch11,2.462G,BW20M	Humidity (%RH)	53.9

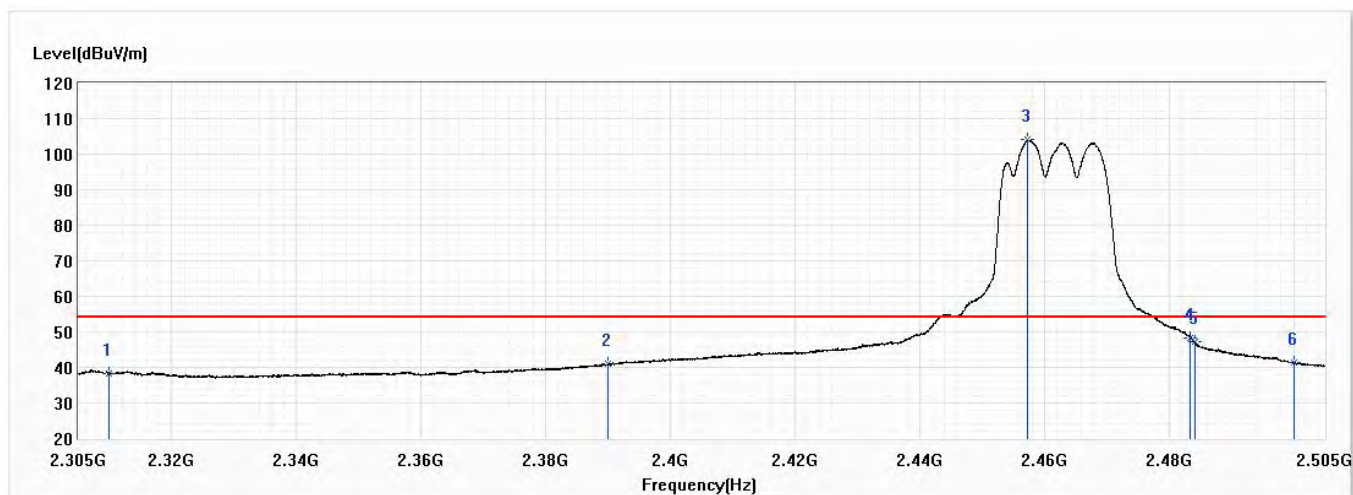


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	48.26	74.00	-25.74	35.11	13.15	PK
2	2390.000	51.76	74.00	-22.24	38.06	13.70	PK
! 3	2457.625	113.44	74.00	39.44	99.26	14.18	PK
4	2483.500	66.62	74.00	-7.38	52.26	14.36	PK
5	2483.600	71.80	74.00	-2.20	57.44	14.36	PK
6	2500.000	53.57	74.00	-20.43	39.09	14.48	PK

Note:

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

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/1/12
Test Mode	Mode 1: Transmit_Non-BF_EBM552U	Engineer	Carlos Chen
Polarity	Vertical	Temperature (°C)	22.3
Test Condition	802.11g,Ch11,2.462G,BW20M	Humidity (%RH)	53.9

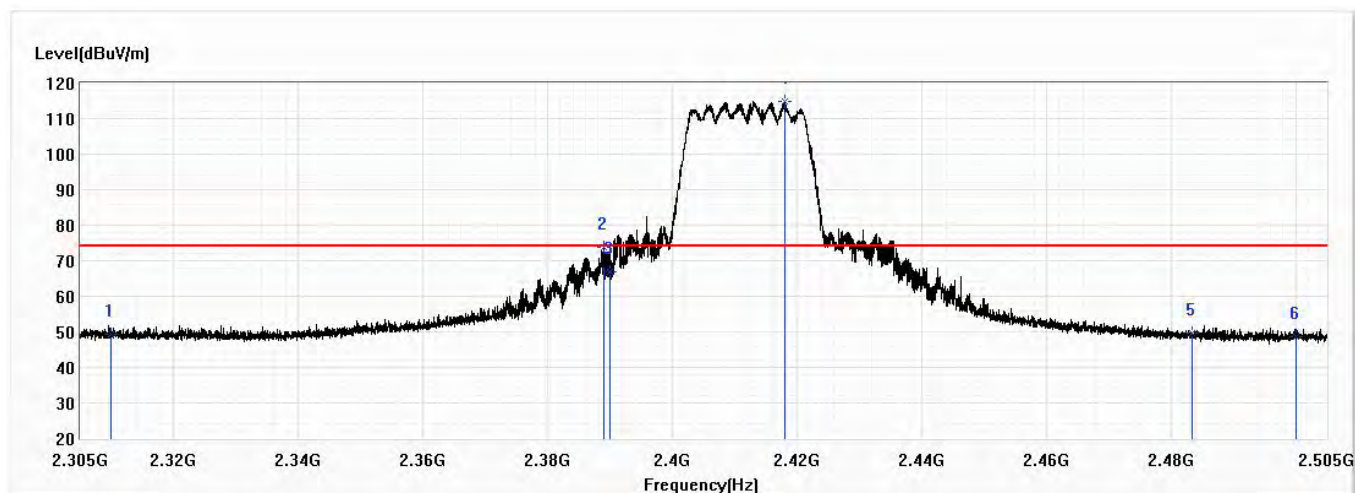


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	38.21	54.00	-15.79	25.06	13.15	AV
2	2390.000	40.91	54.00	-13.09	27.21	13.70	AV
! 3	2457.350	104.00	54.00	50.00	89.82	14.18	AV
4	2483.500	48.19	54.00	-5.81	33.83	14.36	AV
5	2484.150	47.27	54.00	-6.73	32.91	14.36	AV
6	2500.000	41.38	54.00	-12.62	26.90	14.48	AV

Note:

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

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/1/13
Test Mode	Mode 1: Transmit_Non-BF_EBM552U	Engineer	Carlos Chen
Polarity	Horizontal	Temperature (°C)	22.3
Test Condition	802.11ax20,Ch1,2.412G,BW20M	Humidity (%RH)	53.9

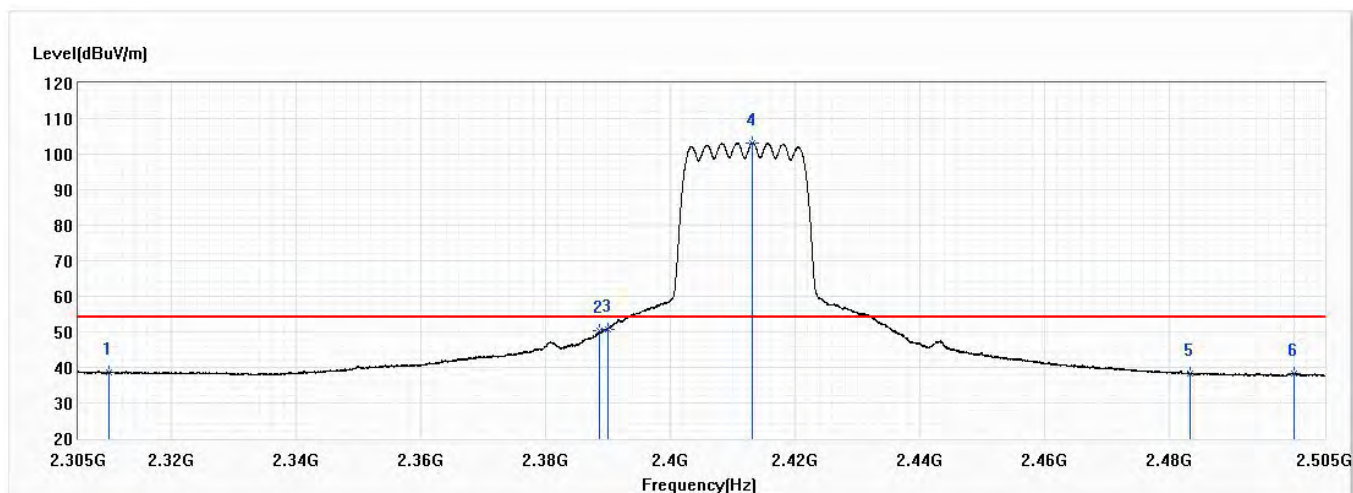


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	49.26	74.00	-24.74	36.11	13.15	PK
2	2389.075	73.67	74.00	-0.33	59.97	13.70	PK
3	2390.000	66.91	74.00	-7.09	53.21	13.70	PK
! 4	2418.025	114.83	74.00	40.83	100.93	13.90	PK
5	2483.500	49.63	74.00	-24.37	35.27	14.36	PK
6	2500.000	48.73	74.00	-25.27	34.25	14.48	PK

Note:

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

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/1/13
Test Mode	Mode 1: Transmit_Non-BF_EBM552U	Engineer	Carlos Chen
Polarity	Horizontal	Temperature (°C)	22.3
Test Condition	802.11ax20,Ch1,2.412G,BW20M	Humidity (%RH)	53.9

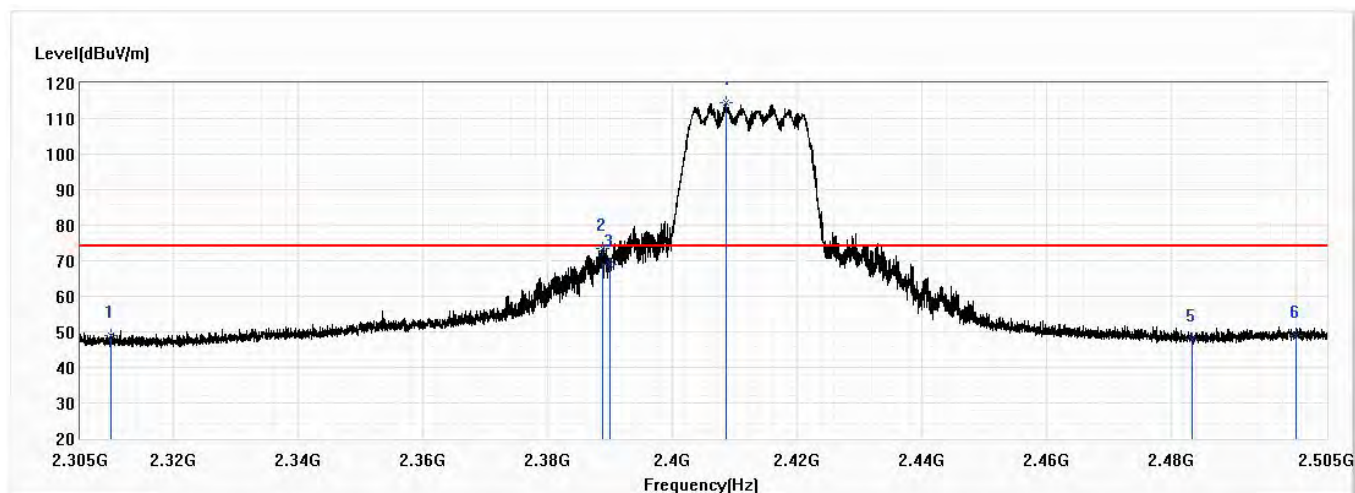


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	38.55	54.00	-15.45	25.40	13.15	AV
2	2388.525	50.28	54.00	-3.72	36.58	13.70	AV
3	2390.000	50.86	54.00	-3.14	37.16	13.70	AV
! 4	2413.175	103.12	54.00	49.12	89.25	13.87	AV
5	2483.500	38.35	54.00	-15.65	23.99	14.36	AV
6	2500.000	38.34	54.00	-15.66	23.86	14.48	AV

Note:

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

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/1/13
Test Mode	Mode 1: Transmit_Non-BF_EBM552U	Engineer	Carlos Chen
Polarity	Vertical	Temperature (°C)	22.3
Test Condition	802.11ax20,Ch1,2.412G,BW20M	Humidity (%RH)	53.9

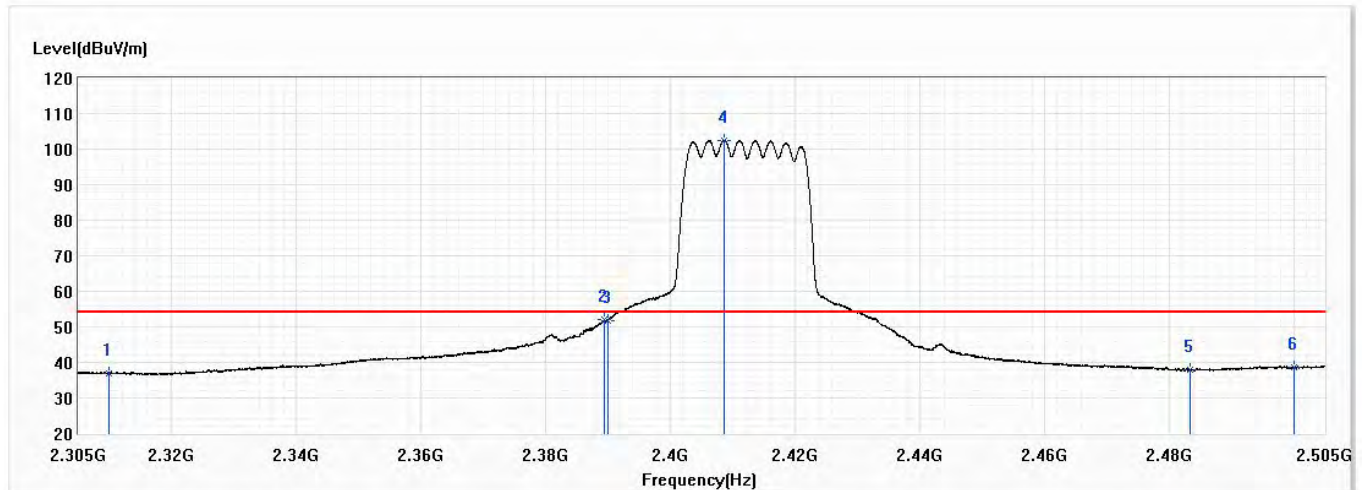


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	49.12	74.00	-24.88	35.97	13.15	PK
2	2388.850	73.29	74.00	-0.71	59.59	13.70	PK
3	2390.000	69.09	74.00	-4.91	55.39	13.70	PK
! 4	2408.700	114.50	74.00	40.50	100.66	13.84	PK
5	2483.500	47.83	74.00	-26.17	33.47	14.36	PK
6	2500.000	48.93	74.00	-25.07	34.45	14.48	PK

Note:

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

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/1/13
Test Mode	Mode 1: Transmit_Non-BF_EBM552U	Engineer	Carlos Chen
Polarity	Vertical	Temperature (°C)	22.3
Test Condition	802.11ax20,Ch1,2.412G,BW20M	Humidity (%RH)	53.9

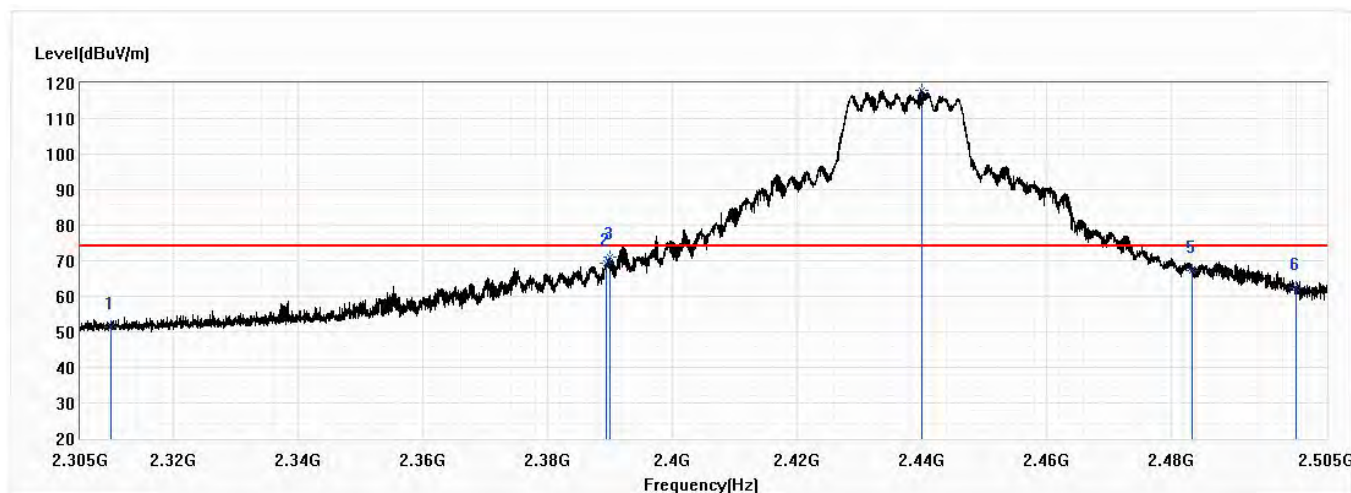


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	37.02	54.00	-16.98	23.87	13.15	AV
2	2389.350	51.93	54.00	-2.07	38.23	13.70	AV
3	2390.000	51.88	54.00	-2.12	38.18	13.70	AV
! 4	2408.550	102.51	54.00	48.51	88.67	13.84	AV
5	2483.500	38.09	54.00	-15.91	23.73	14.36	AV
6	2500.000	38.47	54.00	-15.53	23.99	14.48	AV

Note:

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

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/1/13
Test Mode	Mode 1: Transmit_Non-BF_EBM552U	Engineer	Carlos Chen
Polarity	Horizontal	Temperature (°C)	22.3
Test Condition	802.11ax20,Ch6,2.437G,BW20M	Humidity (%RH)	53.9

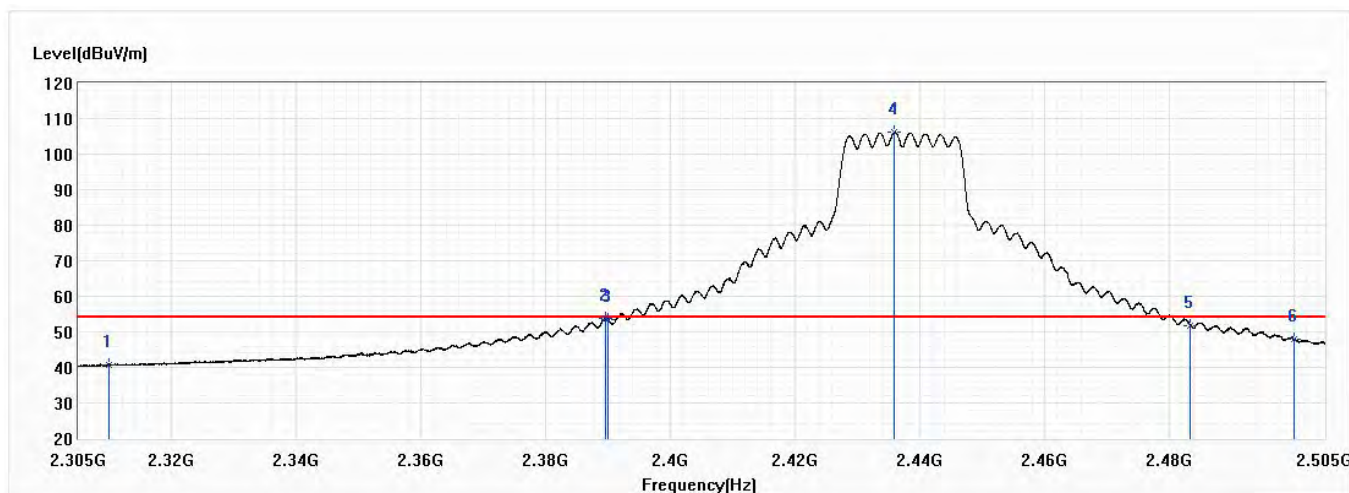


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	51.24	74.00	-22.76	38.09	13.15	PK
2	2389.375	69.18	74.00	-4.82	55.48	13.70	PK
3	2390.000	70.96	74.00	-3.04	57.26	13.70	PK
! 4	2439.975	118.02	74.00	44.02	103.97	14.05	PK
5	2483.500	67.26	74.00	-6.74	52.90	14.36	PK
6	2500.000	62.33	74.00	-11.67	47.85	14.48	PK

Note:

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

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/1/13
Test Mode	Mode 1: Transmit_Non-BF_EBM552U	Engineer	Carlos Chen
Polarity	Horizontal	Temperature (°C)	22.3
Test Condition	802.11ax20,Ch6,2.437G,BW20M	Humidity (%RH)	53.9

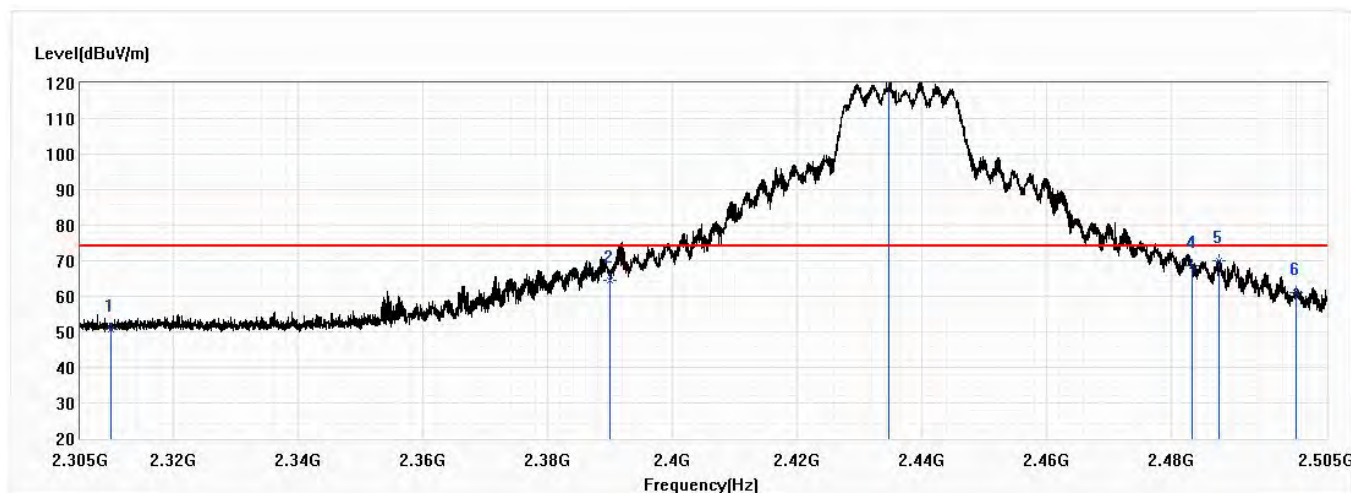


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	40.77	54.00	-13.23	27.62	13.15	AV
2	2389.625	53.88	54.00	-0.12	40.18	13.70	AV
3	2390.000	53.45	54.00	-0.55	39.75	13.70	AV
! 4	2435.975	106.12	54.00	52.12	92.10	14.02	AV
5	2483.500	51.70	54.00	-2.30	37.34	14.36	AV
6	2500.000	48.04	54.00	-5.96	33.56	14.48	AV

Note:

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

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/1/13
Test Mode	Mode 1: Transmit_Non-BF_EBM552U	Engineer	Carlos Chen
Polarity	Vertical	Temperature (°C)	22.3
Test Condition	802.11ax20,Ch6,2.437G,BW20M	Humidity (%RH)	53.9

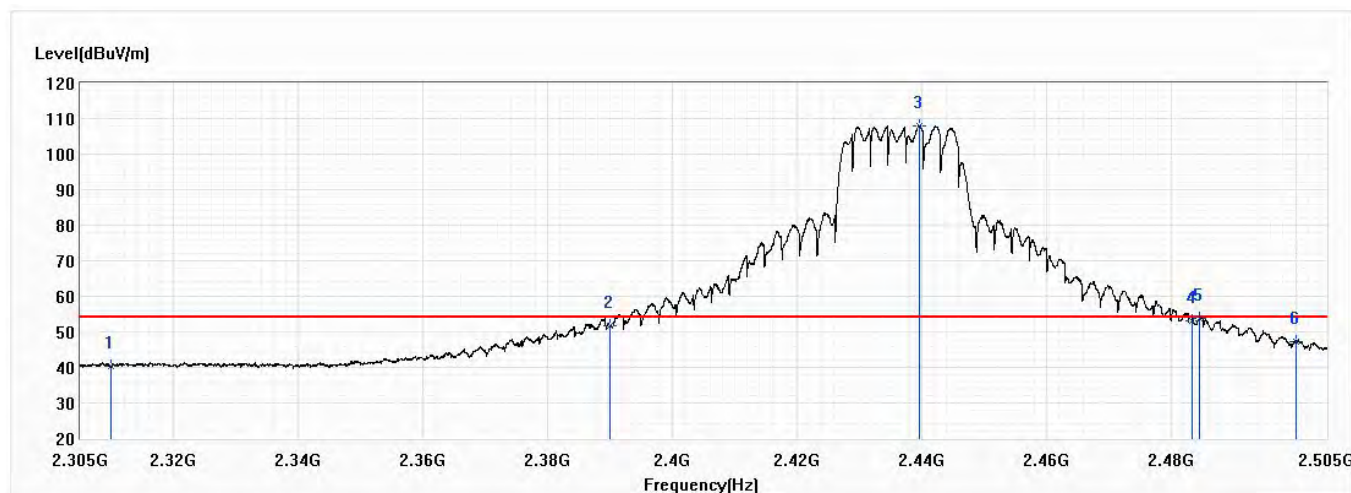


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	50.78	74.00	-23.22	37.63	13.15	PK
2	2390.000	64.41	74.00	-9.59	50.71	13.70	PK
! 3	2434.700	121.22	74.00	47.22	107.21	14.01	PK
4	2483.500	68.65	74.00	-5.35	54.29	14.36	PK
5	2487.800	69.96	74.00	-4.04	55.56	14.40	PK
6	2500.000	60.93	74.00	-13.07	46.45	14.48	PK

Note:

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

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/1/13
Test Mode	Mode 1: Transmit_Non-BF_EBM552U	Engineer	Carlos Chen
Polarity	Vertical	Temperature (°C)	22.3
Test Condition	802.11ax20,Ch6,2.437G,BW20M	Humidity (%RH)	53.9

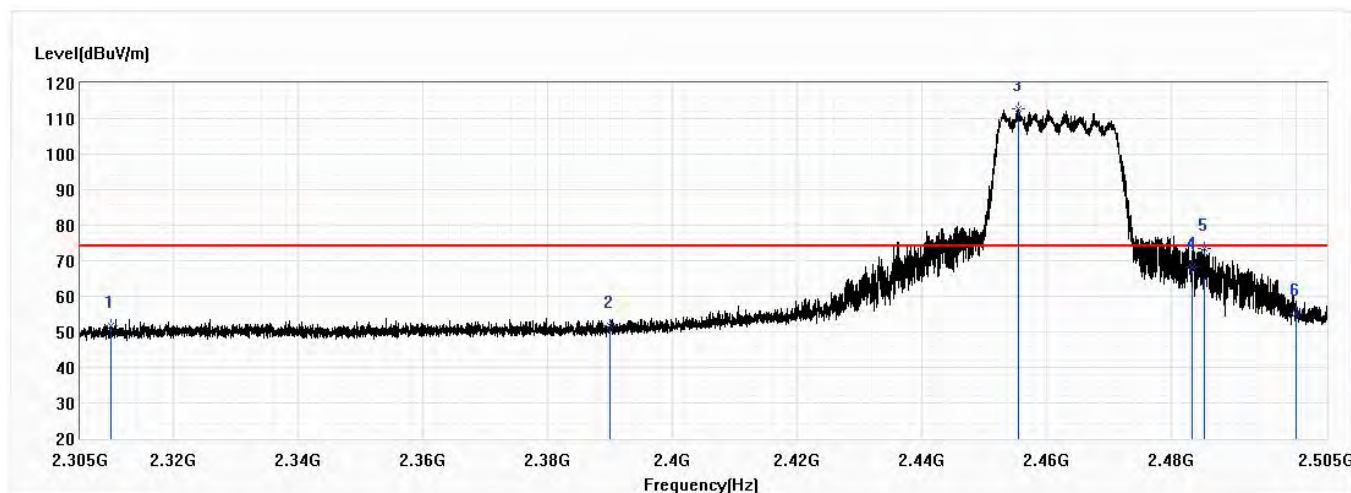


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	40.19	54.00	-13.81	27.04	13.15	AV
2	2390.000	51.59	54.00	-2.41	37.89	13.70	AV
! 3	2439.675	108.00	54.00	54.00	93.95	14.05	AV
4	2483.500	53.20	54.00	-0.80	38.84	14.36	AV
5	2484.550	53.64	54.00	-0.36	39.28	14.36	AV
6	2500.000	47.15	54.00	-6.85	32.67	14.48	AV

Note:

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

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/1/13
Test Mode	Mode 1: Transmit_Non-BF_EBM552U	Engineer	Carlos Chen
Polarity	Horizontal	Temperature (°C)	22.3
Test Condition	802.11ax20,Ch11,2.462G,BW20M	Humidity (%RH)	53.9

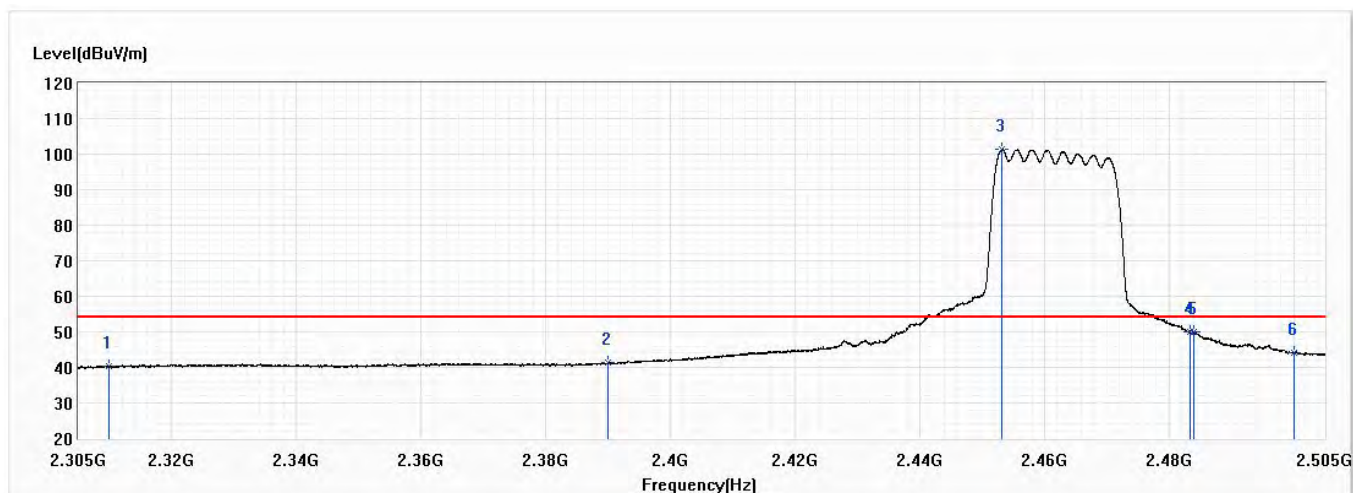


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	51.64	74.00	-22.36	38.49	13.15	PK
2	2390.000	51.58	74.00	-22.42	37.88	13.70	PK
! 3	2455.525	112.83	74.00	38.83	98.66	14.17	PK
4	2483.500	68.19	74.00	-5.81	53.83	14.36	PK
5	2485.400	73.29	74.00	-0.71	58.91	14.38	PK
6	2500.000	55.24	74.00	-18.76	40.76	14.48	PK

Note:

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

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/1/13
Test Mode	Mode 1: Transmit_Non-BF_EBM552U	Engineer	Carlos Chen
Polarity	Horizontal	Temperature (°C)	22.3
Test Condition	802.11ax20,Ch11,2.462G,BW20M	Humidity (%RH)	53.9

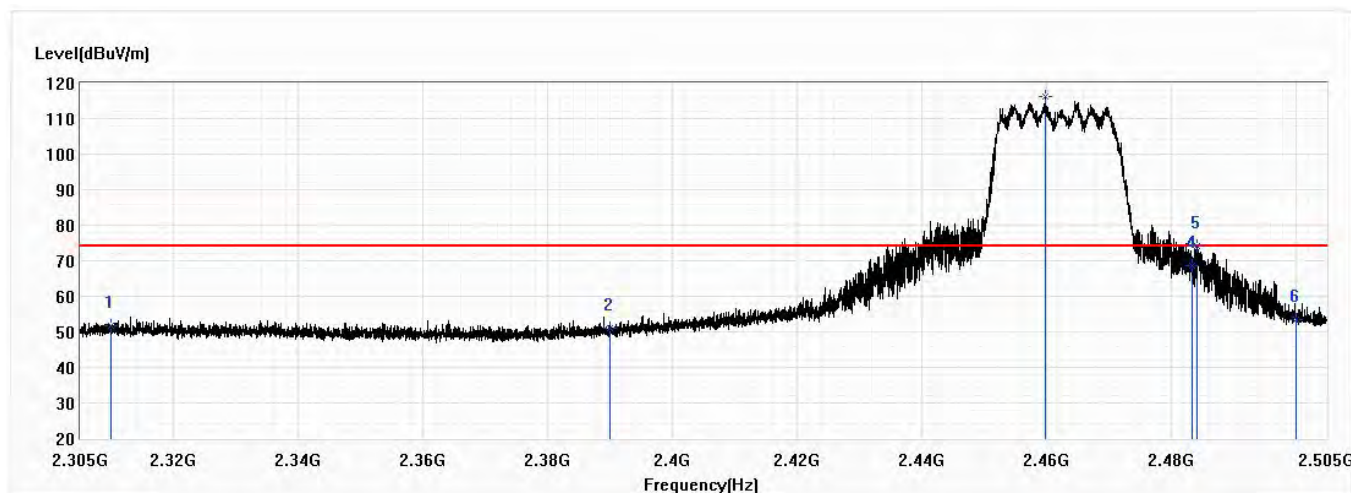


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	40.18	54.00	-13.82	27.03	13.15	AV
2	2390.000	41.23	54.00	-12.77	27.53	13.70	AV
! 3	2453.225	101.36	54.00	47.36	87.21	14.15	AV
4	2483.500	49.84	54.00	-4.16	35.48	14.36	AV
5	2484.000	49.91	54.00	-4.09	35.55	14.36	AV
6	2500.000	44.22	54.00	-9.78	29.74	14.48	AV

Note:

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

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/1/13
Test Mode	Mode 1: Transmit_Non-BF_EBM552U	Engineer	Carlos Chen
Polarity	Vertical	Temperature (°C)	22.3
Test Condition	802.11ax20,Ch11,2.462G,BW20M	Humidity (%RH)	53.9

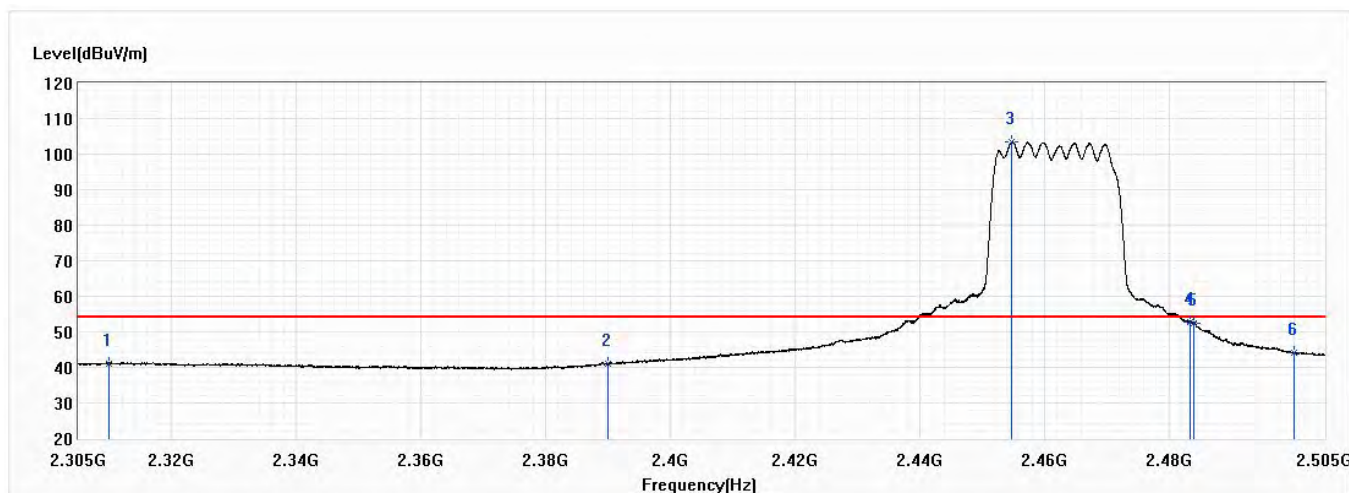


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	51.69	74.00	-22.31	38.54	13.15	PK
2	2390.000	50.88	74.00	-23.12	37.18	13.70	PK
! 3	2459.775	116.27	74.00	42.27	102.07	14.20	PK
4	2483.500	68.46	74.00	-5.54	54.10	14.36	PK
5	2484.175	73.99	74.00	-0.01	59.63	14.36	PK
6	2500.000	53.46	74.00	-20.54	38.98	14.48	PK

Note:

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

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/1/13
Test Mode	Mode 1: Transmit_Non-BF_EBM552U	Engineer	Carlos Chen
Polarity	Vertical	Temperature (°C)	22.3
Test Condition	802.11ax20,Ch11,2.462G,BW20M	Humidity (%RH)	53.9

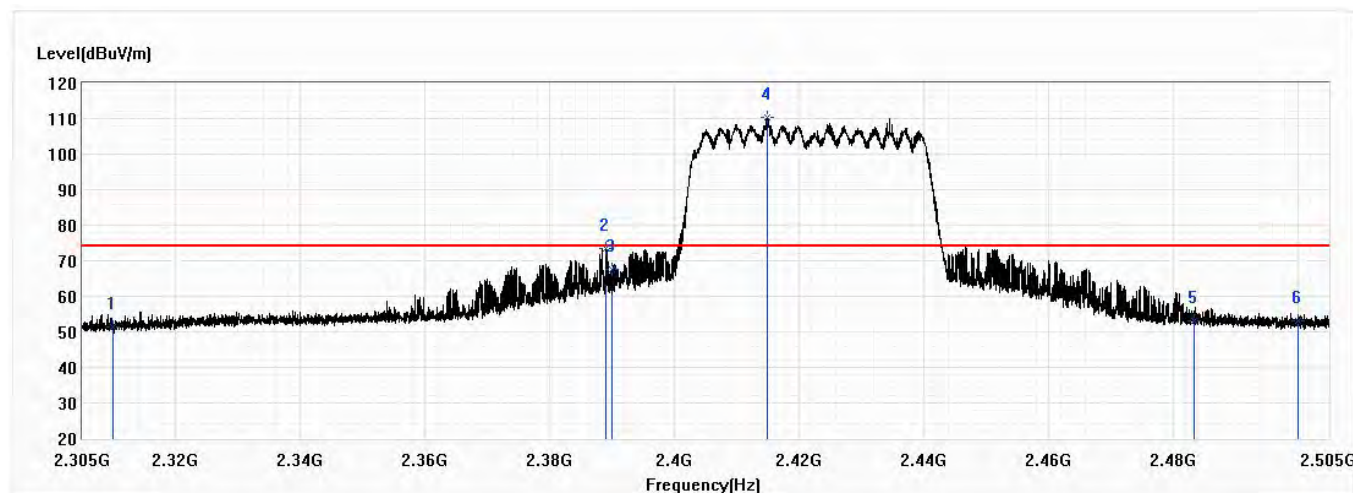


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	41.14	54.00	-12.86	27.99	13.15	AV
2	2390.000	40.87	54.00	-13.13	27.17	13.70	AV
! 3	2454.850	103.33	54.00	49.33	89.16	14.17	AV
4	2483.500	52.77	54.00	-1.23	38.41	14.36	AV
5	2483.950	52.51	54.00	-1.49	38.15	14.36	AV
6	2500.000	44.14	54.00	-9.86	29.66	14.48	AV

Note:

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

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/1/13
Test Mode	Mode 1: Transmit_Non-BF_EBM552U	Engineer	Carlos Chen
Polarity	Horizontal	Temperature (°C)	22.3
Test Condition	802.11ax40,Ch3,2.422G,BW40M	Humidity (%RH)	53.9

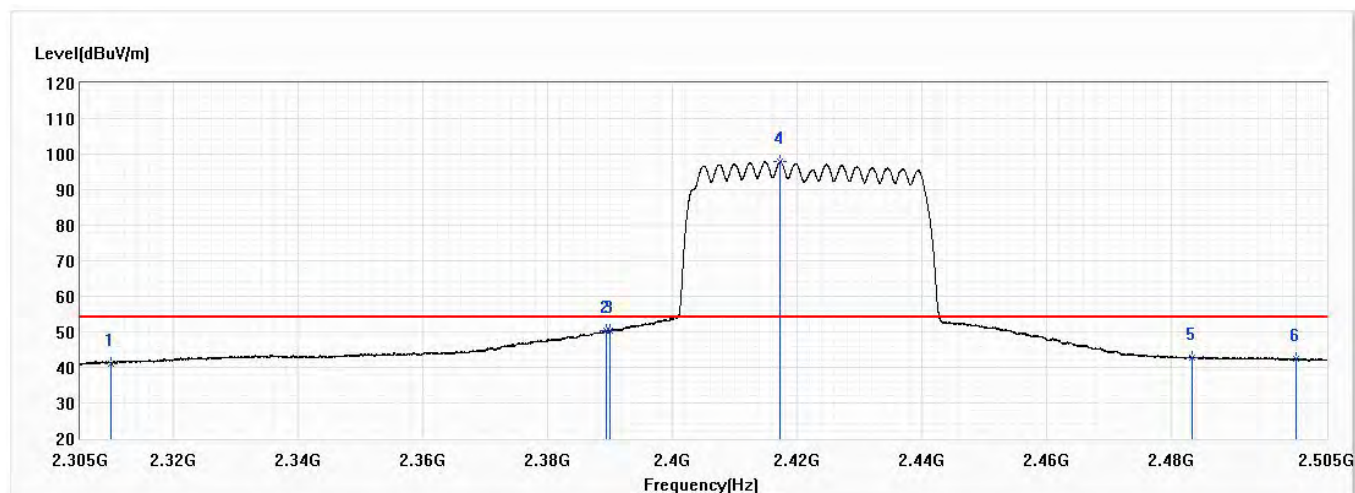


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	51.28	74.00	-22.72	38.13	13.15	PK
2	2389.000	73.29	74.00	-0.71	59.59	13.70	PK
3	2390.000	67.51	74.00	-6.49	53.81	13.70	PK
! 4	2414.975	110.37	74.00	36.37	96.49	13.88	PK
5	2483.500	53.05	74.00	-20.95	38.69	14.36	PK
6	2500.000	53.27	74.00	-20.73	38.79	14.48	PK

Note:

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

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/1/13
Test Mode	Mode 1: Transmit_Non-BF_EBM552U	Engineer	Carlos Chen
Polarity	Horizontal	Temperature (°C)	22.3
Test Condition	802.11ax40,Ch3,2.422G,BW40M	Humidity (%RH)	53.9

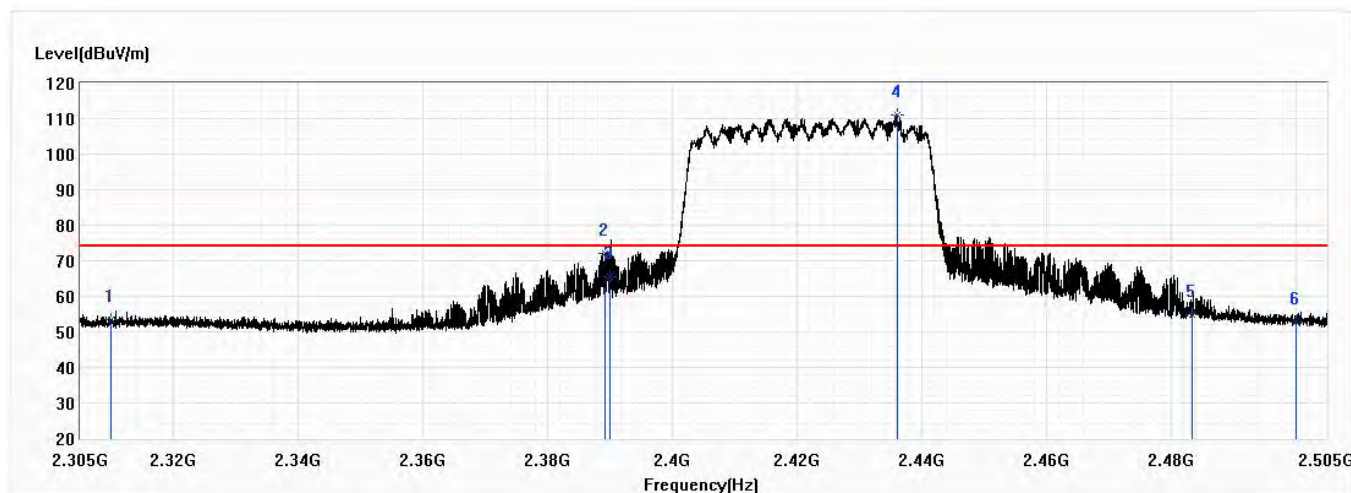


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	41.19	54.00	-12.81	28.04	13.15	AV
2	2389.450	50.20	54.00	-3.80	36.50	13.70	AV
3	2390.000	50.45	54.00	-3.55	36.75	13.70	AV
! 4	2417.325	97.91	54.00	43.91	84.02	13.89	AV
5	2483.500	42.76	54.00	-11.24	28.40	14.36	AV
6	2500.000	42.39	54.00	-11.61	27.91	14.48	AV

Note:

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

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/1/13
Test Mode	Mode 1: Transmit_Non-BF_EBM552U	Engineer	Carlos Chen
Polarity	Vertical	Temperature (°C)	22.3
Test Condition	802.11ax40,Ch3,2.422G,BW40M	Humidity (%RH)	53.9

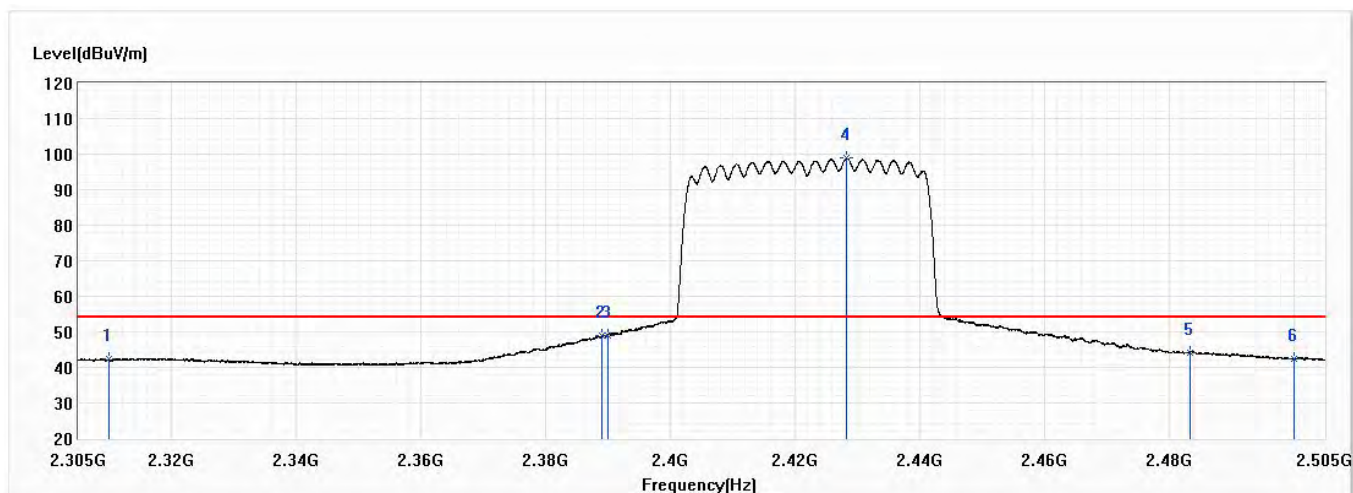


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	53.42	74.00	-20.58	40.27	13.15	PK
2	2389.175	72.14	74.00	-1.86	58.44	13.70	PK
3	2390.000	65.55	74.00	-8.45	51.85	13.70	PK
! 4	2436.050	111.16	74.00	37.16	97.14	14.02	PK
5	2483.500	54.74	74.00	-19.26	40.38	14.36	PK
6	2500.000	52.60	74.00	-21.40	38.12	14.48	PK

Note:

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

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/1/13
Test Mode	Mode 1: Transmit_Non-BF_EBM552U	Engineer	Carlos Chen
Polarity	Vertical	Temperature (°C)	22.3
Test Condition	802.11ax40,Ch3,2.422G,BW40M	Humidity (%RH)	53.9

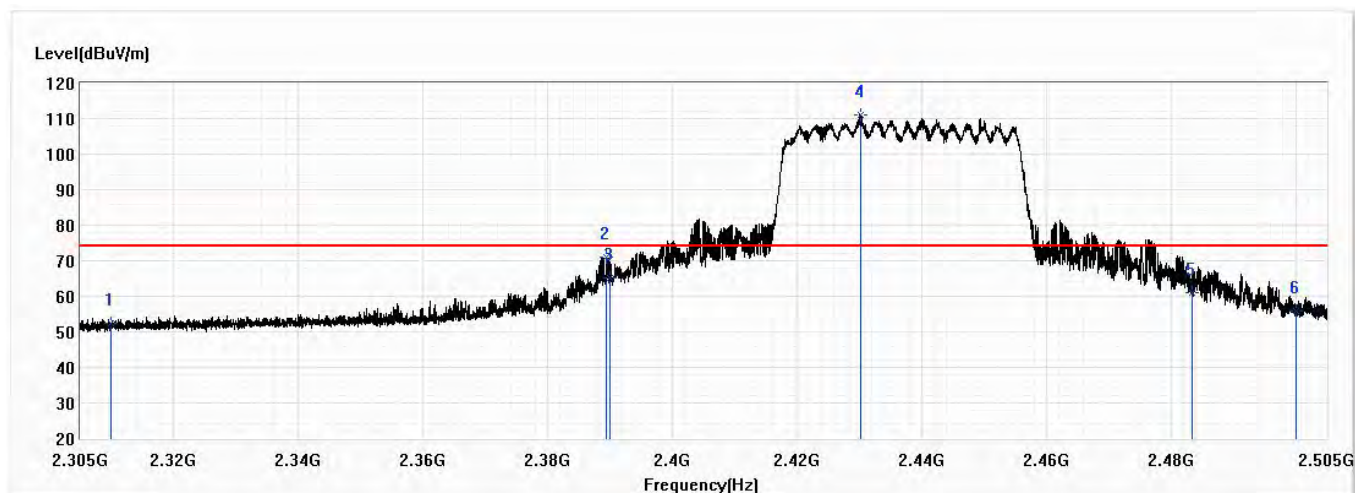


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	42.32	54.00	-11.68	29.17	13.15	AV
2	2389.050	48.88	54.00	-5.12	35.18	13.70	AV
3	2390.000	49.01	54.00	-4.99	35.31	13.70	AV
! 4	2428.275	98.82	54.00	44.82	84.85	13.97	AV
5	2483.500	44.22	54.00	-9.78	29.86	14.36	AV
6	2500.000	42.39	54.00	-11.61	27.91	14.48	AV

Note:

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

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/1/13
Test Mode	Mode 1: Transmit_Non-BF_EBM552U	Engineer	Carlos Chen
Polarity	Horizontal	Temperature (°C)	22.3
Test Condition	802.11ax40,Ch6,2.437G,BW40M	Humidity (%RH)	53.9

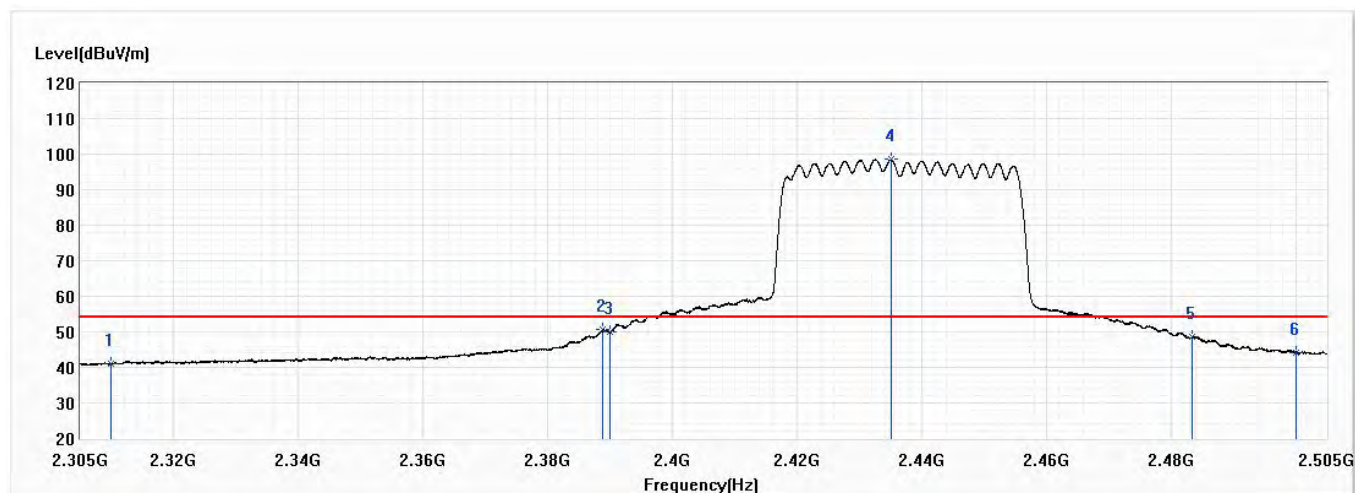


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	52.37	74.00	-21.63	39.22	13.15	PK
2	2389.375	70.88	74.00	-3.12	57.18	13.70	PK
3	2390.000	65.30	74.00	-8.70	51.60	13.70	PK
! 4	2430.200	111.11	74.00	37.11	97.12	13.99	PK
5	2483.500	61.09	74.00	-12.91	46.73	14.36	PK
6	2500.000	55.84	74.00	-18.16	41.36	14.48	PK

Note:

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

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/1/13
Test Mode	Mode 1: Transmit_Non-BF_EBM552U	Engineer	Carlos Chen
Polarity	Horizontal	Temperature (°C)	22.3
Test Condition	802.11ax40,Ch6,2.437G,BW40M	Humidity (%RH)	53.9

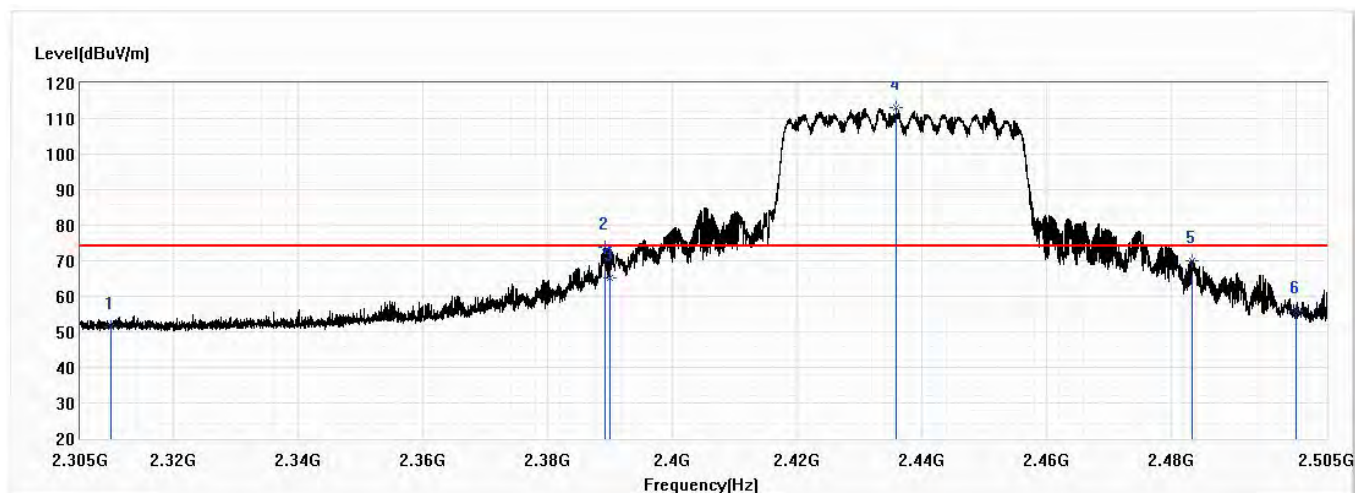


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	41.00	54.00	-13.00	27.85	13.15	AV
2	2388.875	50.79	54.00	-3.21	37.09	13.70	AV
3	2390.000	49.88	54.00	-4.12	36.18	13.70	AV
! 4	2435.050	98.53	54.00	44.53	84.51	14.02	AV
5	2483.500	48.55	54.00	-5.45	34.19	14.36	AV
6	2500.000	44.30	54.00	-9.70	29.82	14.48	AV

Note:

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

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/1/13
Test Mode	Mode 1: Transmit_Non-BF_EBM552U	Engineer	Carlos Chen
Polarity	Vertical	Temperature (°C)	22.3
Test Condition	802.11ax40,Ch6,2.437G,BW40M	Humidity (%RH)	53.9

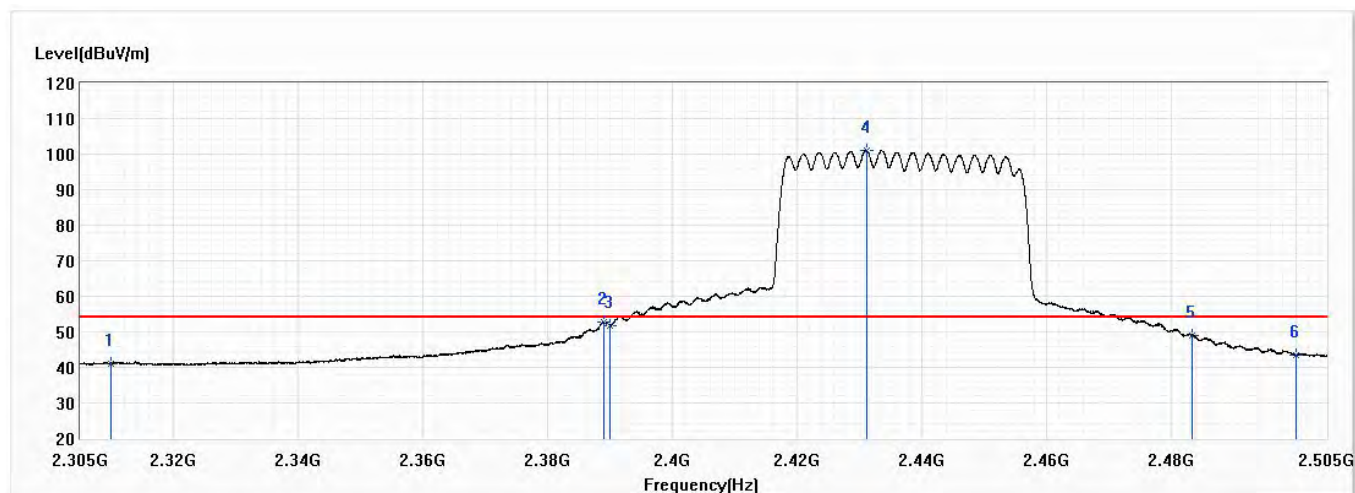


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	51.24	74.00	-22.76	38.09	13.15	PK
2	2389.225	73.64	74.00	-0.36	59.94	13.70	PK
3	2390.000	65.32	74.00	-8.68	51.62	13.70	PK
! 4	2435.975	113.03	74.00	39.03	99.01	14.02	PK
5	2483.500	70.11	74.00	-3.89	55.75	14.36	PK
6	2500.000	55.75	74.00	-18.25	41.27	14.48	PK

Note:

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

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/1/13
Test Mode	Mode 1: Transmit_Non-BF_EBM552U	Engineer	Carlos Chen
Polarity	Vertical	Temperature (°C)	22.3
Test Condition	802.11ax40,Ch6,2.437G,BW40M	Humidity (%RH)	53.9

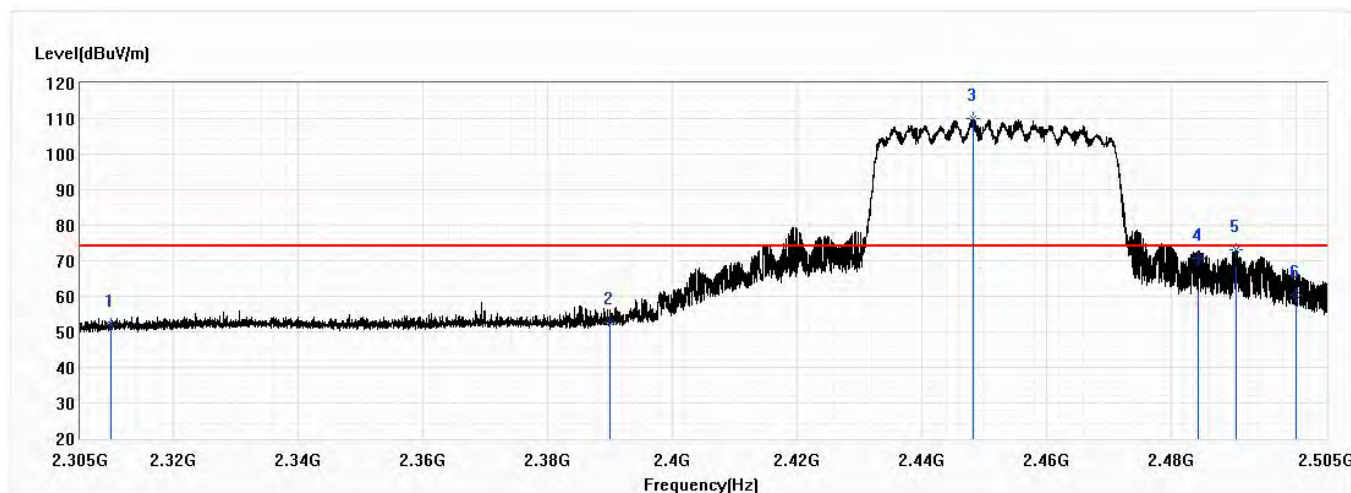


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	41.16	54.00	-12.84	28.01	13.15	AV
2	2389.100	52.63	54.00	-1.37	38.93	13.70	AV
3	2390.000	51.86	54.00	-2.14	38.16	13.70	AV
! 4	2431.150	101.04	54.00	47.04	87.04	14.00	AV
5	2483.500	48.97	54.00	-5.03	34.61	14.36	AV
6	2500.000	43.54	54.00	-10.46	29.06	14.48	AV

Note:

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

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/1/13
Test Mode	Mode 1: Transmit_Non-BF_EBM552U	Engineer	Carlos Chen
Polarity	Horizontal	Temperature (°C)	22.3
Test Condition	802.11ax40,Ch9,2.452G,BW40M	Humidity (%RH)	53.9

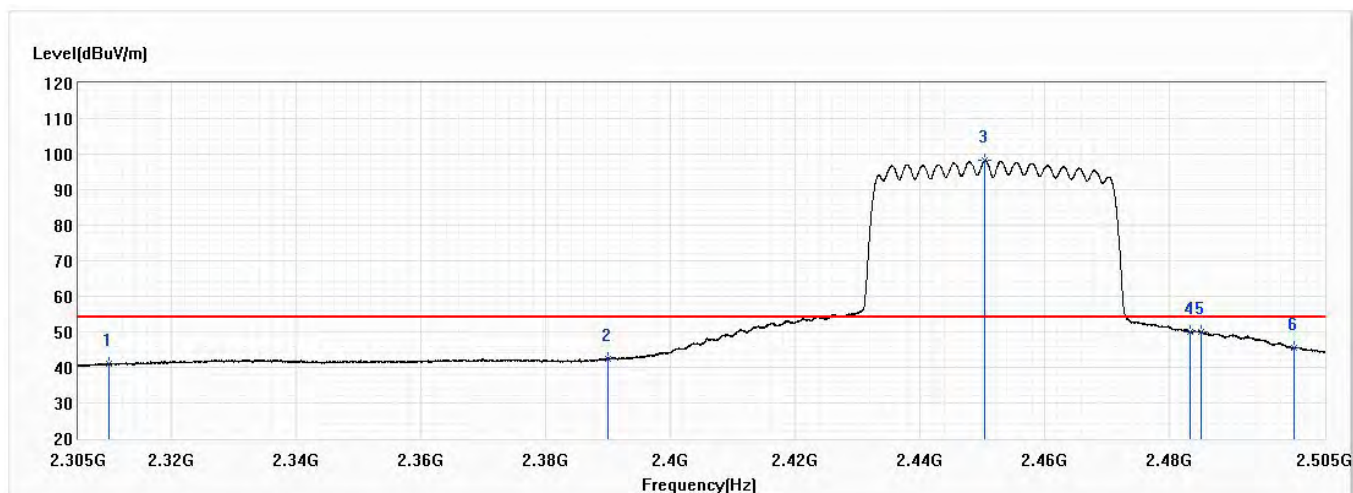


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	51.94	74.00	-22.06	38.79	13.15	PK
2	2390.000	52.84	74.00	-21.16	39.14	13.70	PK
! 3	2448.225	109.97	74.00	35.97	95.86	14.11	PK
4	2484.350	70.85	74.00	-3.15	56.49	14.36	PK
5	2490.500	73.19	74.00	-0.81	58.78	14.41	PK
6	2500.000	60.33	74.00	-13.67	45.85	14.48	PK

Note:

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

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/1/13
Test Mode	Mode 1: Transmit_Non-BF_EBM552U	Engineer	Carlos Chen
Polarity	Horizontal	Temperature (°C)	22.3
Test Condition	802.11ax40,Ch9,2.452G,BW40M	Humidity (%RH)	53.9

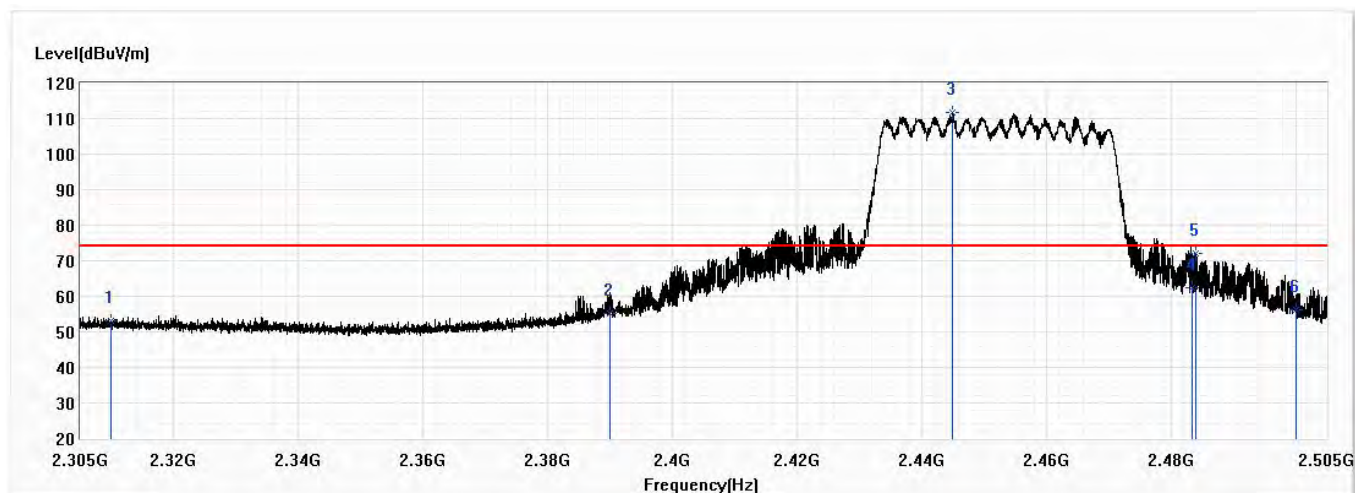


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	41.11	54.00	-12.89	27.96	13.15	AV
2	2390.000	42.38	54.00	-11.62	28.68	13.70	AV
! 3	2450.525	98.28	54.00	44.28	84.15	14.13	AV
4	2483.500	50.10	54.00	-3.90	35.74	14.36	AV
5	2485.175	50.13	54.00	-3.87	35.76	14.37	AV
6	2500.000	45.55	54.00	-8.45	31.07	14.48	AV

Note:

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

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/1/13
Test Mode	Mode 1: Transmit_Non-BF_EBM552U	Engineer	Carlos Chen
Polarity	Vertical	Temperature (°C)	22.3
Test Condition	802.11ax40,Ch9,2.452G,BW40M	Humidity (%RH)	53.9

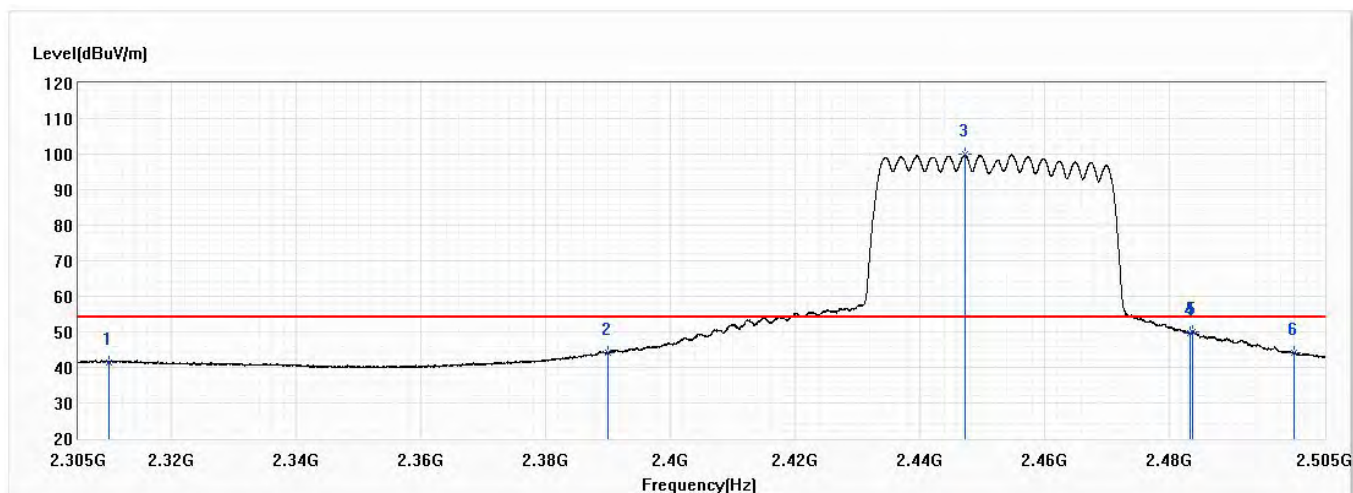


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	53.04	74.00	-20.96	39.89	13.15	PK
2	2390.000	55.04	74.00	-18.96	41.34	13.70	PK
! 3	2444.925	111.62	74.00	37.62	97.53	14.09	PK
4	2483.500	62.56	74.00	-11.44	48.20	14.36	PK
5	2484.025	72.13	74.00	-1.87	57.77	14.36	PK
6	2500.000	56.17	74.00	-17.83	41.69	14.48	PK

Note:

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

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/1/13
Test Mode	Mode 1: Transmit_Non-BF_EBM552U	Engineer	Carlos Chen
Polarity	Vertical	Temperature (°C)	22.3
Test Condition	802.11ax40,Ch9,2.452G,BW40M	Humidity (%RH)	53.9

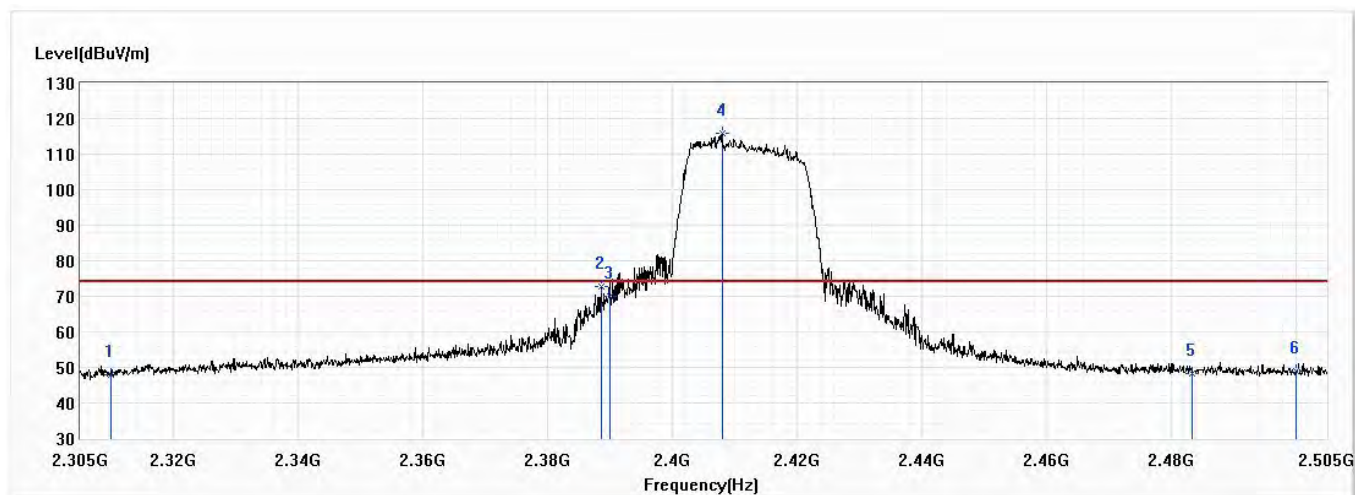


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	41.47	54.00	-12.53	28.32	13.15	AV
2	2390.000	43.98	54.00	-10.02	30.28	13.70	AV
! 3	2447.275	99.92	54.00	45.92	85.81	14.11	AV
4	2483.500	49.60	54.00	-4.40	35.24	14.36	AV
5	2483.875	49.90	54.00	-4.10	35.54	14.36	AV
6	2500.000	44.03	54.00	-9.97	29.55	14.48	AV

Note:

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

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/2/4
Test Mode	Mode 3: Transmit_BF	Engineer	Scott Chang
Polarity	Horizontal	Temperature (°C)	22.5
Test Condition	802.11ax,Ch 1,2.412G,BW20M	Humidity (%RH)	58.0

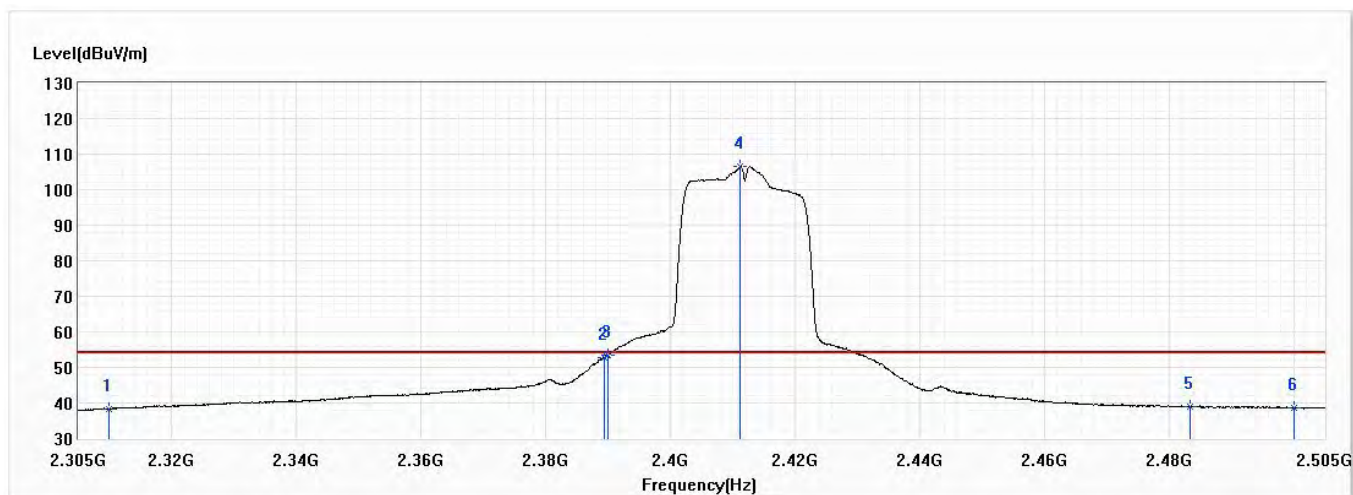


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	48.04	74.00	-25.96	34.89	13.15	PK
2	2388.600	72.60	74.00	-1.40	58.90	13.70	PK
3	2390.000	69.88	74.00	-4.12	56.18	13.70	PK
! 4	2408.000	116.03	74.00	42.03	102.20	13.83	PK
5	2483.500	48.23	74.00	-25.77	33.87	14.36	PK
6	2500.000	49.13	74.00	-24.87	34.65	14.48	PK

Note:

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

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/2/4
Test Mode	Mode 3: Transmit_BF	Engineer	Scott Chang
Polarity	Horizontal	Temperature (°C)	22.5
Test Condition	802.11ax,Ch 1,2.412G,BW20M	Humidity (%RH)	58.0

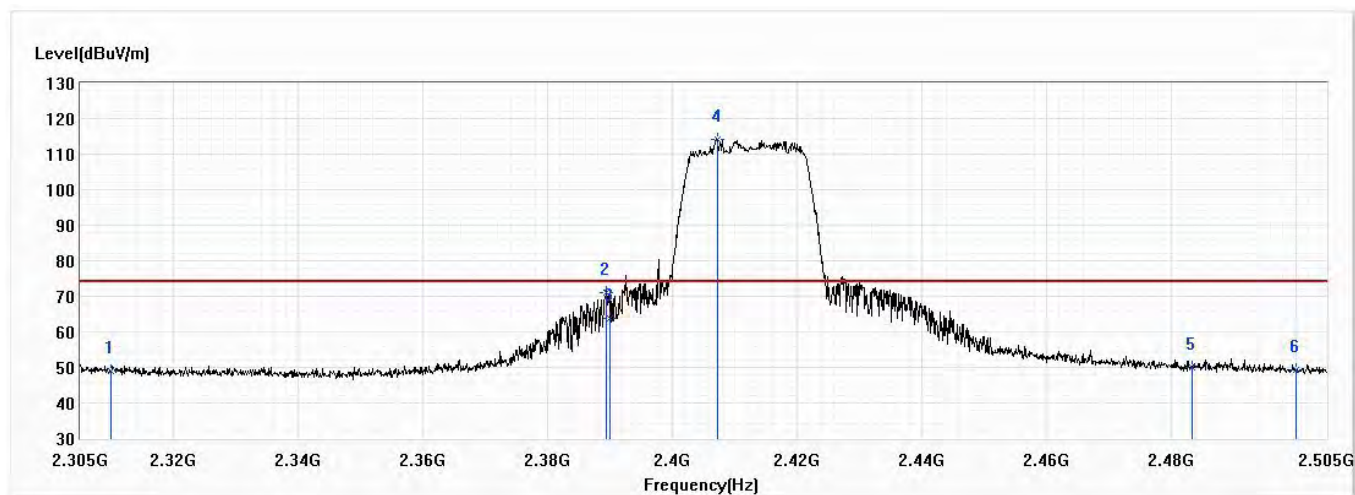


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	38.27	54.00	-15.73	25.12	13.15	AV
2	2389.400	52.84	54.00	-1.16	39.14	13.70	AV
3	2390.000	53.52	54.00	-0.48	39.82	13.70	AV
! 4	2411.200	106.52	54.00	52.52	92.67	13.85	AV
5	2483.500	38.90	54.00	-15.10	24.54	14.36	AV
6	2500.000	38.63	54.00	-15.37	24.15	14.48	AV

Note:

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

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/2/4
Test Mode	Mode 3: Transmit_BF	Engineer	Scott Chang
Polarity	Vertical	Temperature (°C)	22.5
Test Condition	802.11ax,Ch 1,2.412G,BW20M	Humidity (%RH)	58.0

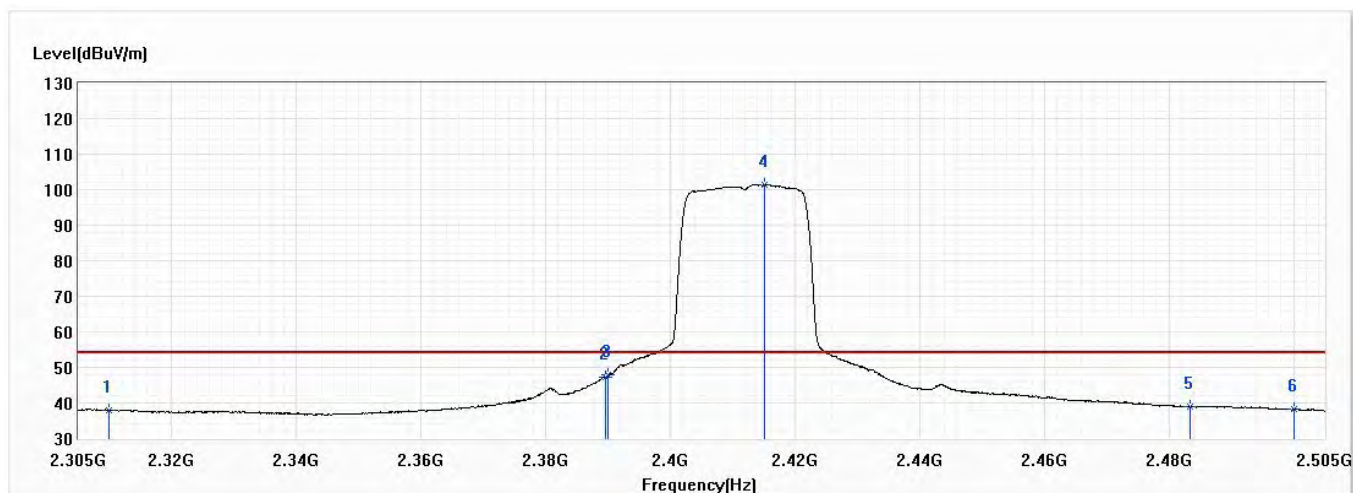


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	48.91	74.00	-25.09	35.76	13.15	PK
2	2389.300	71.18	74.00	-2.82	57.48	13.70	PK
3	2390.000	63.70	74.00	-10.30	50.00	13.70	PK
! 4	2407.200	114.28	74.00	40.28	100.45	13.83	PK
5	2483.500	50.03	74.00	-23.97	35.67	14.36	PK
6	2500.000	49.40	74.00	-24.60	34.92	14.48	PK

Note:

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

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/2/4
Test Mode	Mode 3: Transmit_BF	Engineer	Scott Chang
Polarity	Vertical	Temperature (°C)	22.5
Test Condition	802.11ax,Ch 1,2.412G,BW20M	Humidity (%RH)	58.0

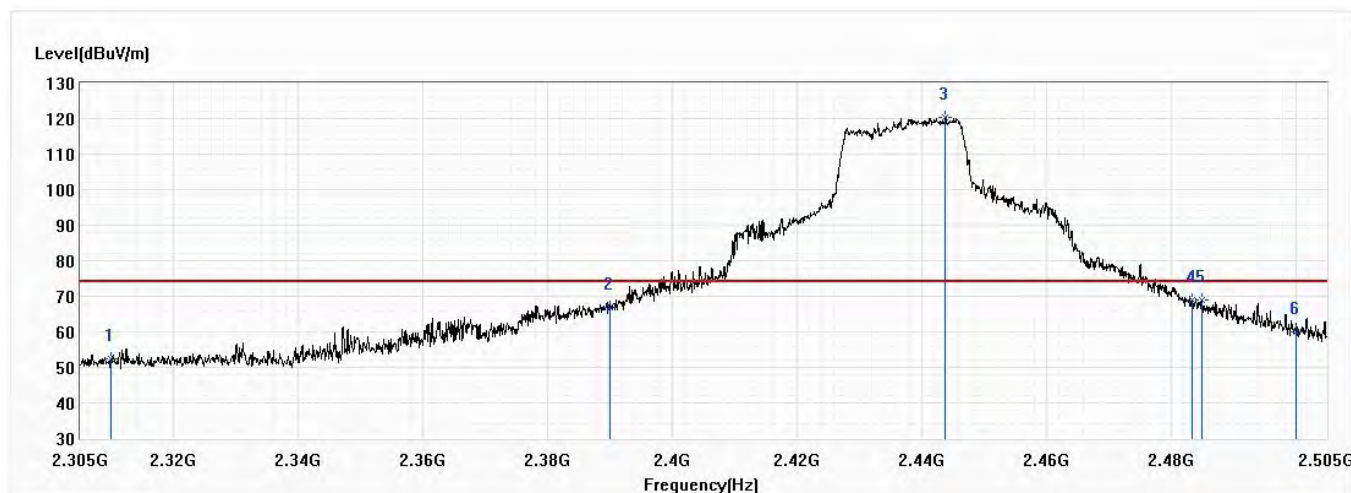


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	38.03	54.00	-15.97	24.88	13.15	AV
2	2389.500	47.15	54.00	-6.85	33.45	13.70	AV
3	2390.000	47.88	54.00	-6.12	34.18	13.70	AV
! 4	2415.100	101.34	54.00	47.34	87.46	13.88	AV
5	2483.500	38.89	54.00	-15.11	24.53	14.36	AV
6	2500.000	38.13	54.00	-15.87	23.65	14.48	AV

Note:

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

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/2/5
Test Mode	Mode 3: Transmit_BF	Engineer	Scott Chang
Polarity	Horizontal	Temperature (°C)	22.5
Test Condition	802.11ax,Ch 6,2.437G,BW20M	Humidity (%RH)	58.0

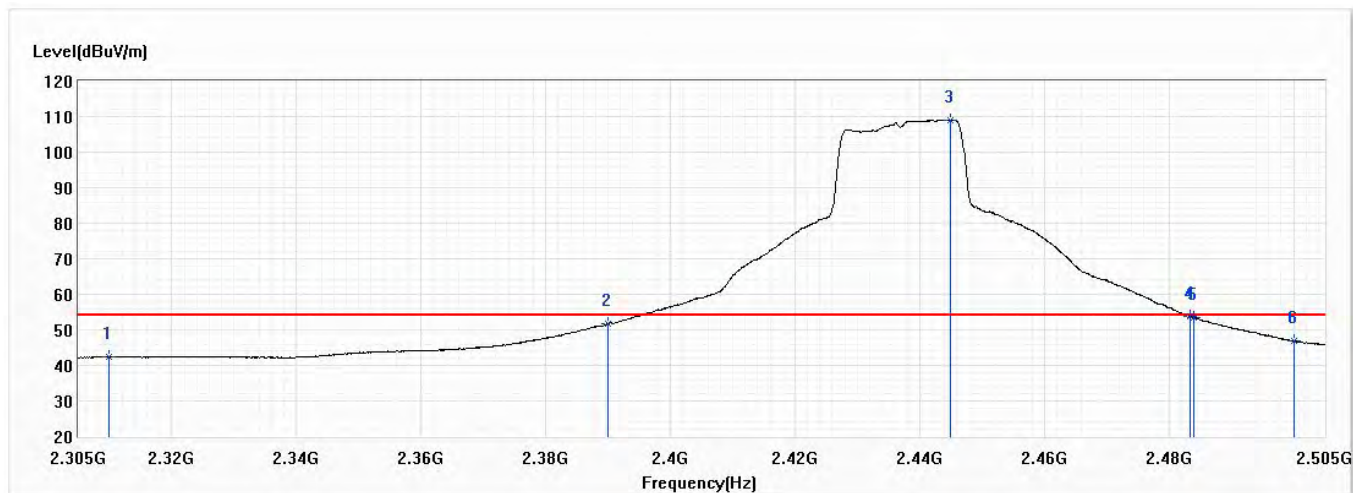


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	52.44	74.00	-21.56	39.29	13.15	PK
2	2390.000	67.02	74.00	-6.98	53.32	13.70	PK
! 3	2443.800	120.25	74.00	46.25	106.16	14.09	PK
4	2483.500	68.92	74.00	-5.08	54.56	14.36	PK
5	2484.900	69.04	74.00	-4.96	54.67	14.37	PK
6	2500.000	59.98	74.00	-14.02	45.50	14.48	PK

Note:

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

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/2/5
Test Mode	Mode 3: Transmit_BF	Engineer	Scott Chang
Polarity	Horizontal	Temperature (°C)	22.5
Test Condition	802.11ax,Ch 6,2.437G,BW20M	Humidity (%RH)	58.0

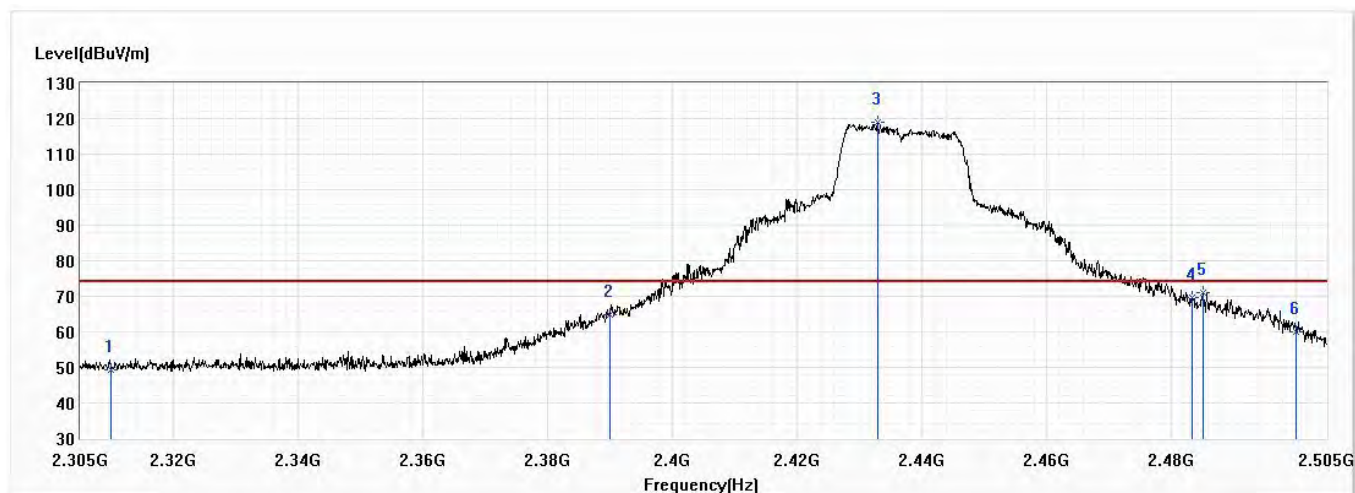


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	42.29	54.00	-11.71	29.14	13.15	AV
2	2390.000	51.66	54.00	-2.34	37.96	13.70	AV
! 3	2445.000	109.06	54.00	55.06	94.97	14.09	AV
4	2483.500	53.74	54.00	-0.26	39.38	14.36	AV
5	2484.000	53.51	54.00	-0.49	39.15	14.36	AV
6	2500.000	46.85	54.00	-7.15	32.37	14.48	AV

Note:

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

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/2/5
Test Mode	Mode 3: Transmit_BF	Engineer	Scott Chang
Polarity	Vertical	Temperature (°C)	22.5
Test Condition	802.11ax,Ch 6,2.437G,BW20M	Humidity (%RH)	58.0

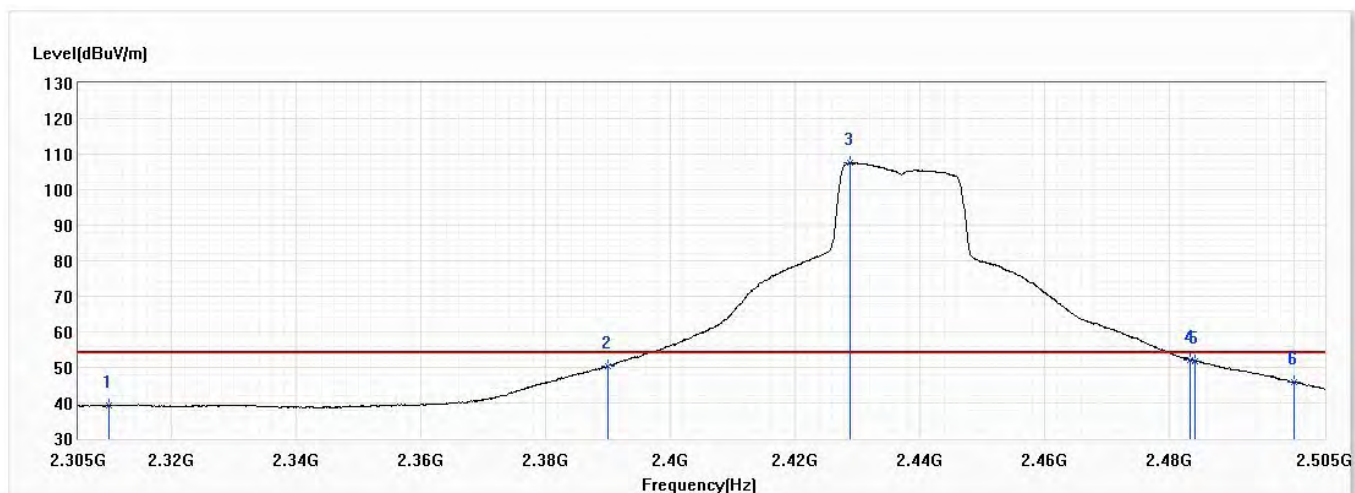


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	49.19	74.00	-24.81	36.04	13.15	PK
2	2390.000	64.67	74.00	-9.33	50.97	13.70	PK
! 3	2432.900	119.10	74.00	45.10	105.09	14.01	PK
4	2483.500	69.56	74.00	-4.44	55.20	14.36	PK
5	2485.100	71.15	74.00	-2.85	56.78	14.37	PK
6	2500.000	59.83	74.00	-14.17	45.35	14.48	PK

Note:

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

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/2/5
Test Mode	Mode 3: Transmit_BF	Engineer	Scott Chang
Polarity	Vertical	Temperature (°C)	22.5
Test Condition	802.11ax,Ch 6,2.437G,BW20M	Humidity (%RH)	58.0

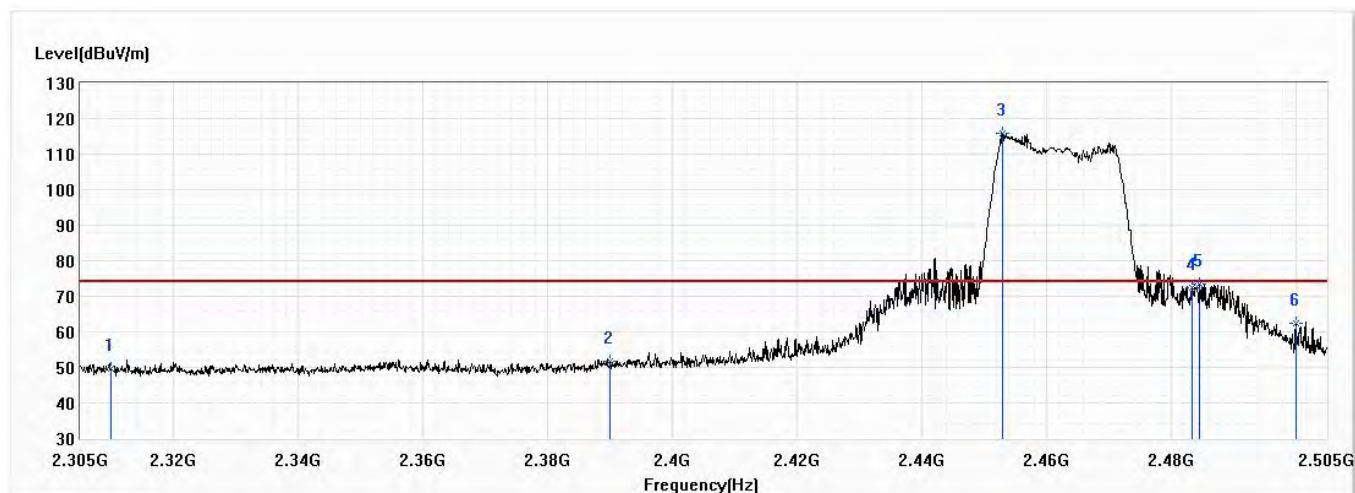


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	39.24	54.00	-14.76	26.09	13.15	AV
2	2390.000	50.49	54.00	-3.51	36.79	13.70	AV
! 3	2428.800	107.48	54.00	53.48	93.51	13.97	AV
4	2483.500	52.17	54.00	-1.83	37.81	14.36	AV
5	2484.200	51.71	54.00	-2.29	37.35	14.36	AV
6	2500.000	45.83	54.00	-8.17	31.35	14.48	AV

Note:

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

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/2/5
Test Mode	Mode 3: Transmit_BF	Engineer	Scott Chang
Polarity	Horizontal	Temperature (°C)	22.5
Test Condition	802.11ax,Ch 11,2.462G,BW20M	Humidity (%RH)	58.0

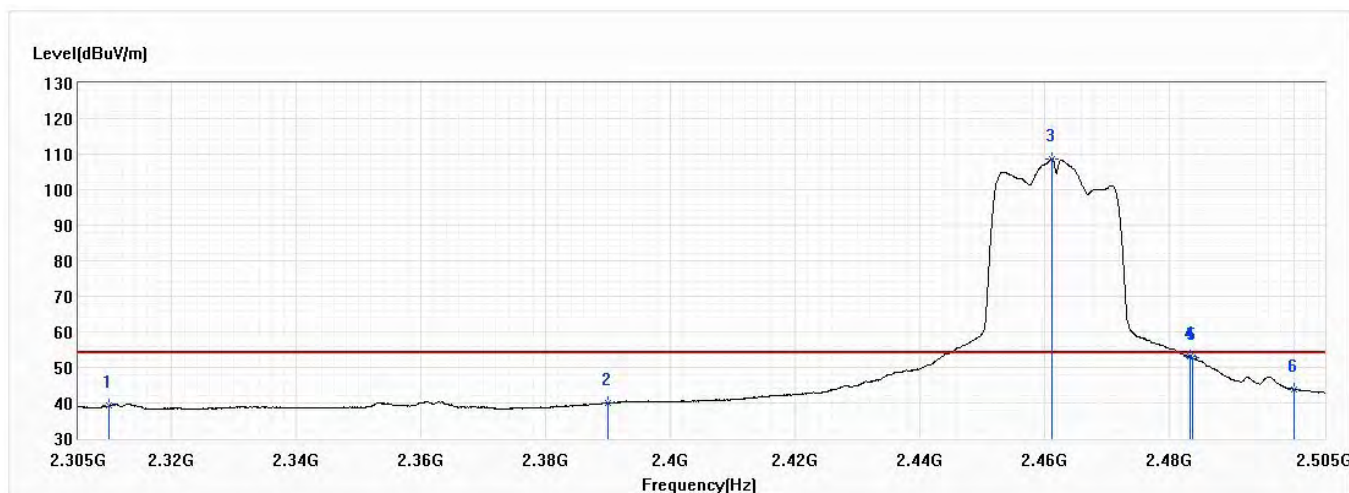


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	49.70	74.00	-24.30	36.55	13.15	PK
2	2390.000	51.76	74.00	-22.24	38.06	13.70	PK
! 3	2452.900	115.72	74.00	41.72	101.57	14.15	PK
4	2483.500	72.31	74.00	-1.69	57.95	14.36	PK
5	2484.600	73.59	74.00	-0.41	59.23	14.36	PK
6	2500.000	62.39	74.00	-11.61	47.91	14.48	PK

Note:

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

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/2/5
Test Mode	Mode 3: Transmit_BF	Engineer	Scott Chang
Polarity	Horizontal	Temperature (°C)	22.5
Test Condition	802.11ax, Ch 11, 2.462G, BW20M	Humidity (%RH)	58.0



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	39.23	54.00	-14.77	26.08	13.15	AV
2	2390.000	39.99	54.00	-14.01	26.29	13.70	AV
! 3	2461.300	108.61	54.00	54.61	94.40	14.21	AV
4	2483.500	53.02	54.00	-0.98	38.66	14.36	AV
5	2483.800	52.70	54.00	-1.30	38.34	14.36	AV
6	2500.000	43.86	54.00	-10.14	29.38	14.48	AV

Note:

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