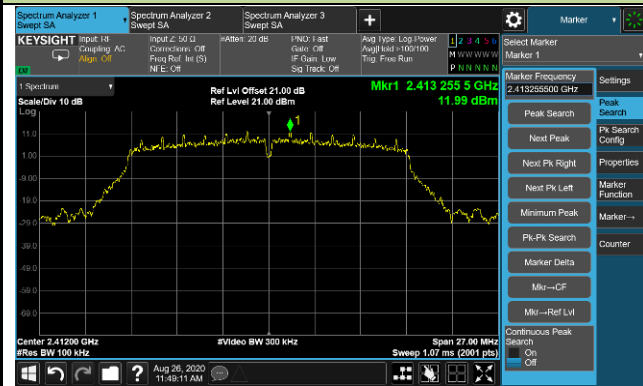


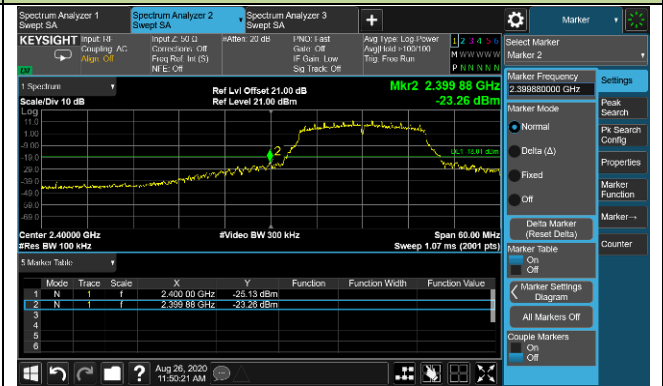
802.11g Out-of-Band Emissions –Ant 1/Ant 0+ 1

Channel 01 (2412MHz)

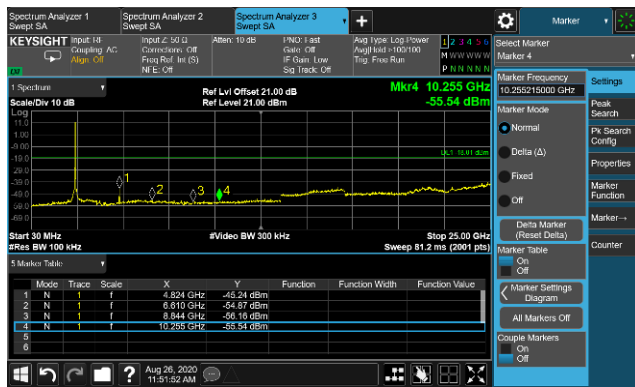
100kHz PSD Reference Level



Low Band Edge

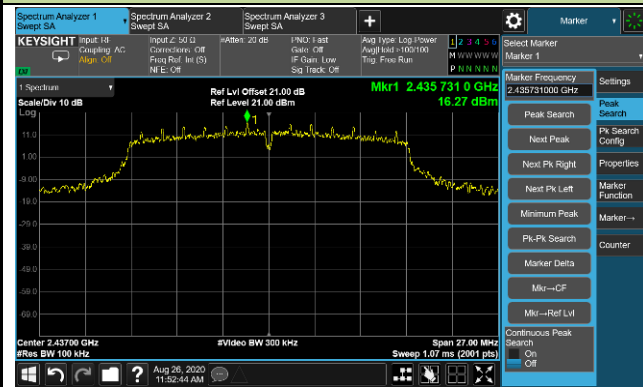


Spurious Emission

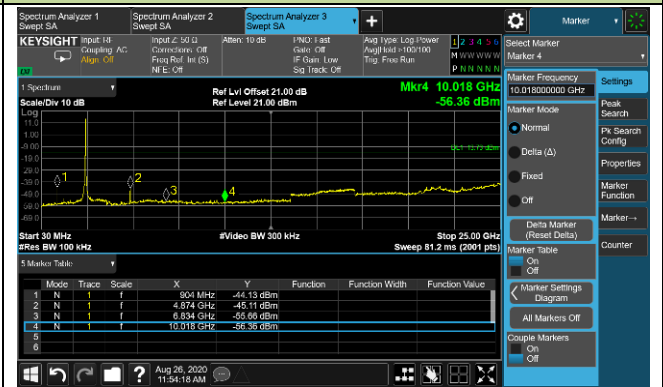


Channel 06 (2437MHz)

100kHz PSD Reference Level



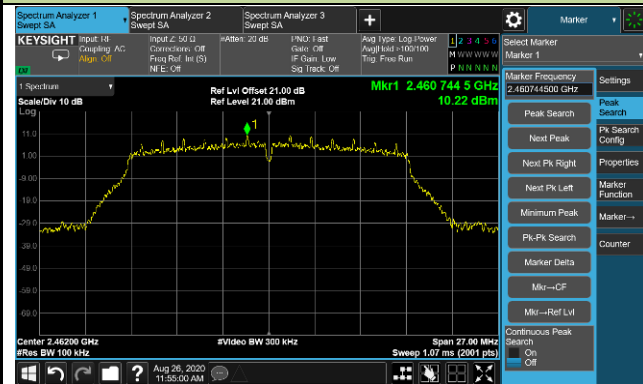
Spurious Emission



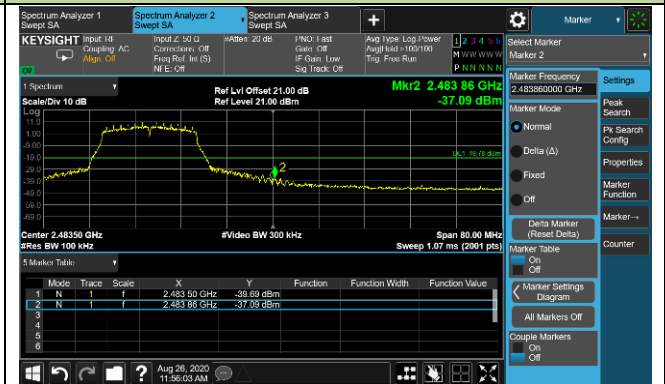
802.11g Out-of-Band Emissions –Ant 1/Ant 0+ 1

Channel 11 (2462MHz)

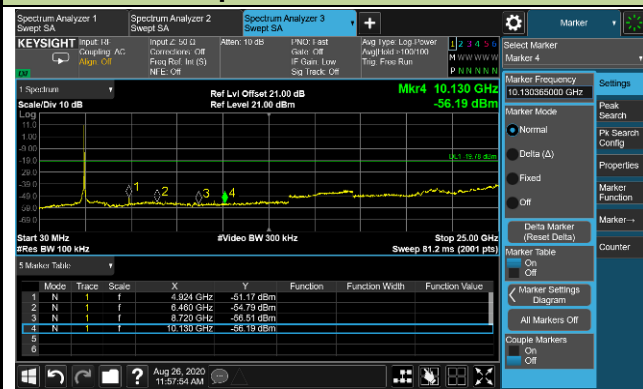
100kHz PSD Reference Level



High Band Edge



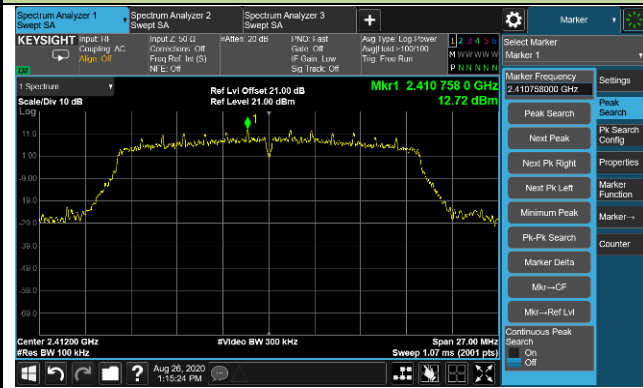
Spurious Emission



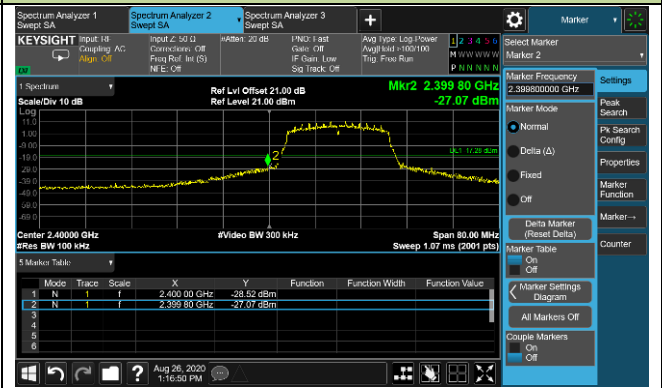
802.11n-HT20 Out-of-Band Emissions –Ant 1/Ant 0+ 1

Channel 01 (2412MHz)

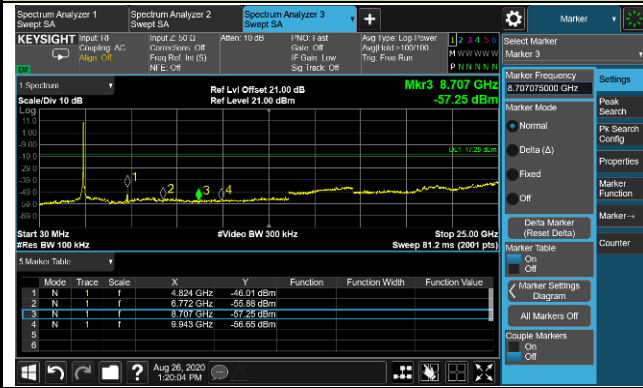
100kHz PSD Reference Level



Low Band Edge

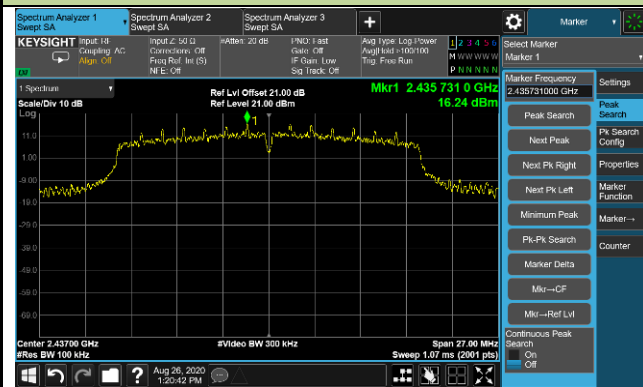


Spurious Emission

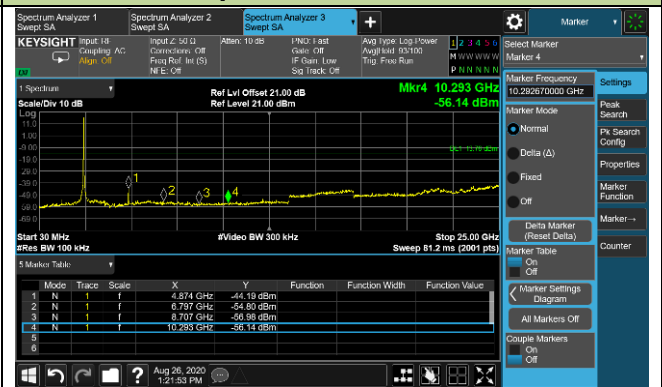


Channel 06 (2437MHz)

100kHz PSD Reference Level



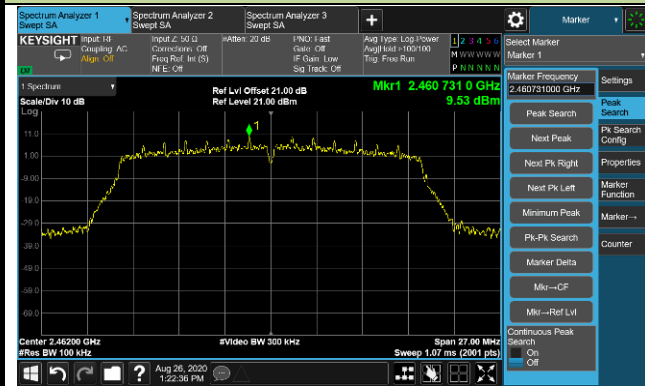
Spurious Emission



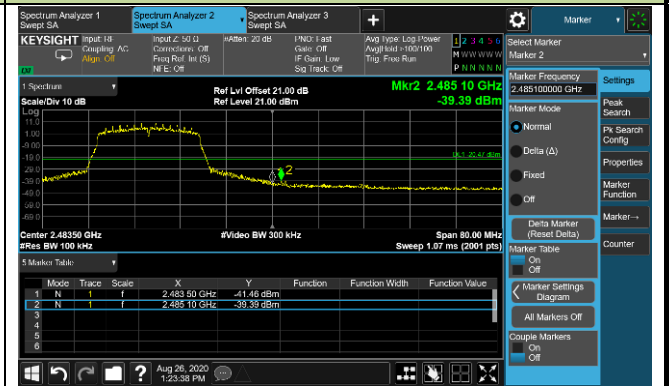
802.11n-HT20 Out-of-Band Emissions –Ant 1/Ant 0+ 1

Channel 11 (2462MHz)

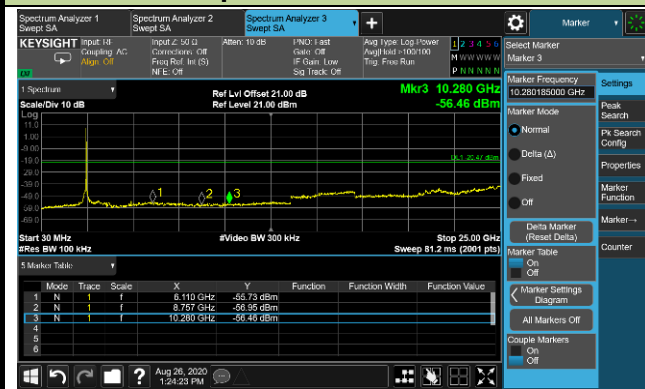
100kHz PSD Reference Level



High Band Edge



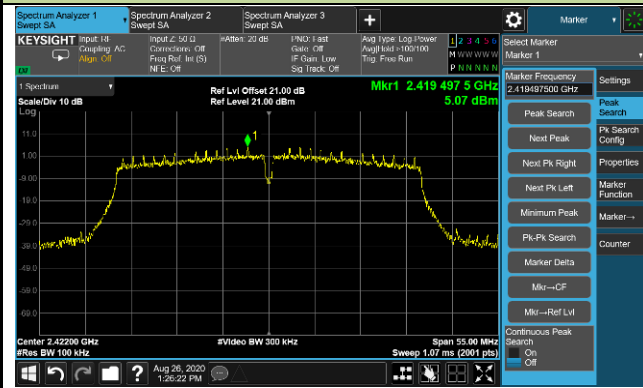
Spurious Emission



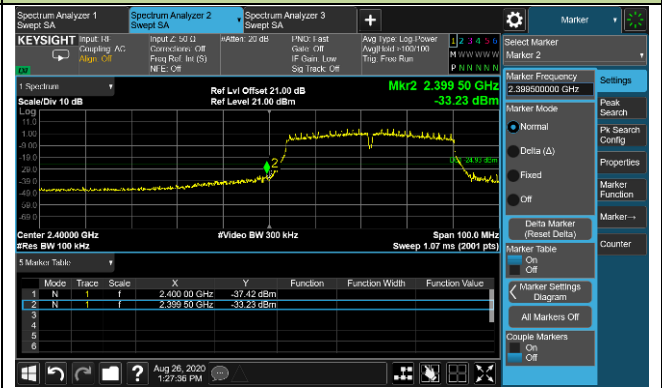
802.11n-HT40 Out-of-Band Emissions –Ant 1/Ant 0+ 1

Channel 03 (2422MHz)

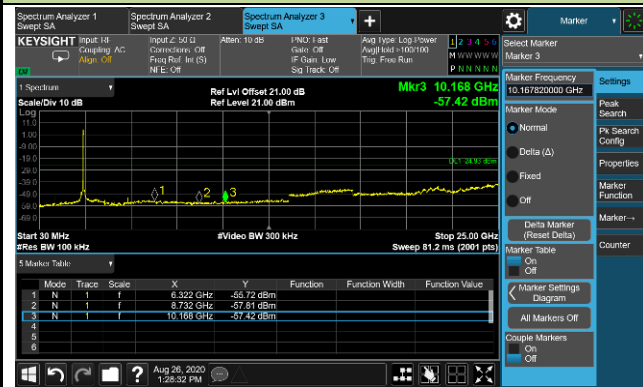
100kHz PSD Reference Level



Low Band Edge

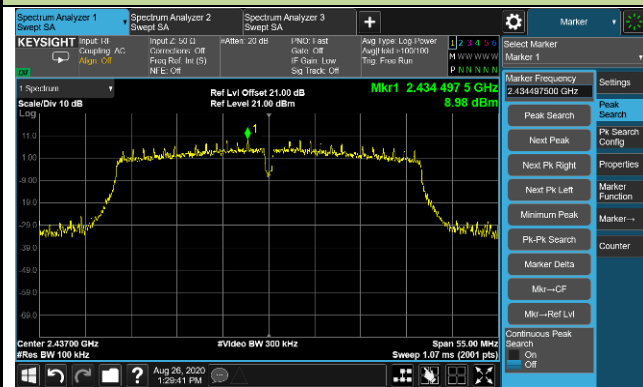


Spurious Emission

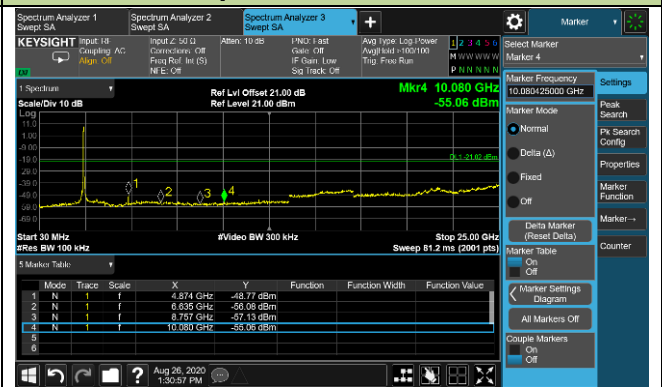


Channel 06 (2437MHz)

100kHz PSD Reference Level



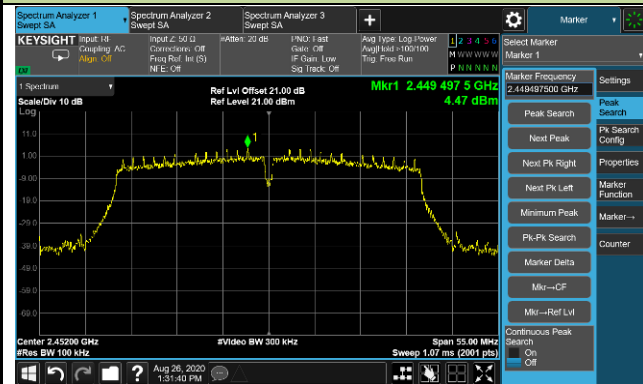
Spurious Emission



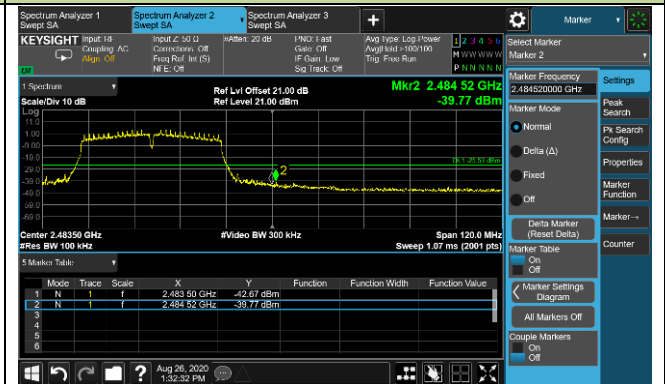
802.11n-HT40 Out-of-Band Emissions –Ant 1/Ant 0+ 1

Channel 09 (2452MHz)

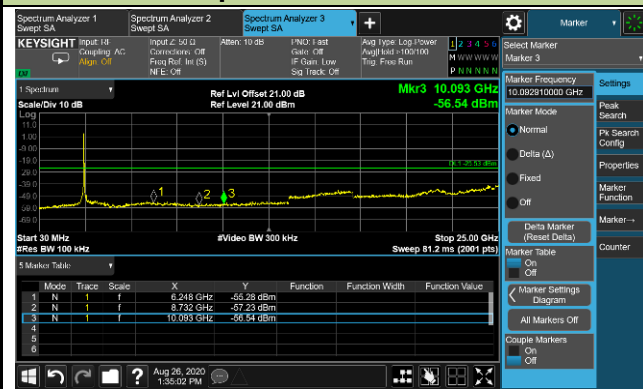
100kHz PSD Reference Level



High Band Edge



Spurious Emission



6.6. Radiated Spurious Emission Measurement

6.6.1. Test Limit

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR must not exceed the limits shown in Table per Section 15.209.

FCC Part 15 Subpart C Paragraph 15.209		
Frequency [MHz]	Field Strength [uV/m]	Measured Distance [Meters]
0.009 - 0.490	2400/F (kHz)	300
0.490 - 1.705	24000/F (kHz)	30
1.705 - 30	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

6.6.2. Test Procedure Used

ANSI C63.10-2013 Section 6.3&6.4

6.6.3. Test Setting

Table 1 - RBW as a function of frequency

Frequency	RBW
9 ~ 150 kHz	200 ~ 300 Hz
0.15 ~ 30 MHz	9 ~ 10 kHz
30 ~ 1000 MHz	100 ~ 120 kHz
> 1000MHz	1MHz

Quasi-Peak Measurements below 1GHz

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. Span was set greater than 1MHz
3. RBW = as specified in Table 1
4. Detector = CISPR quasi-peak
5. Sweep time = auto couple
6. Trace was allowed to stabilize

Peak Measurements above 1GHz

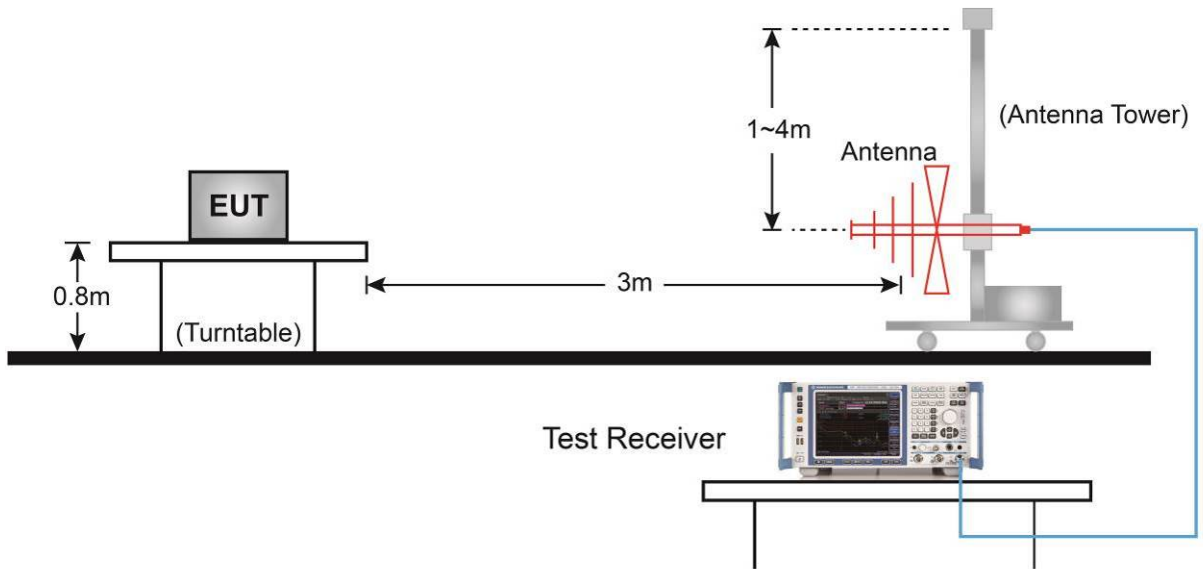
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

Average Measurements above 1GHz (Method VB)

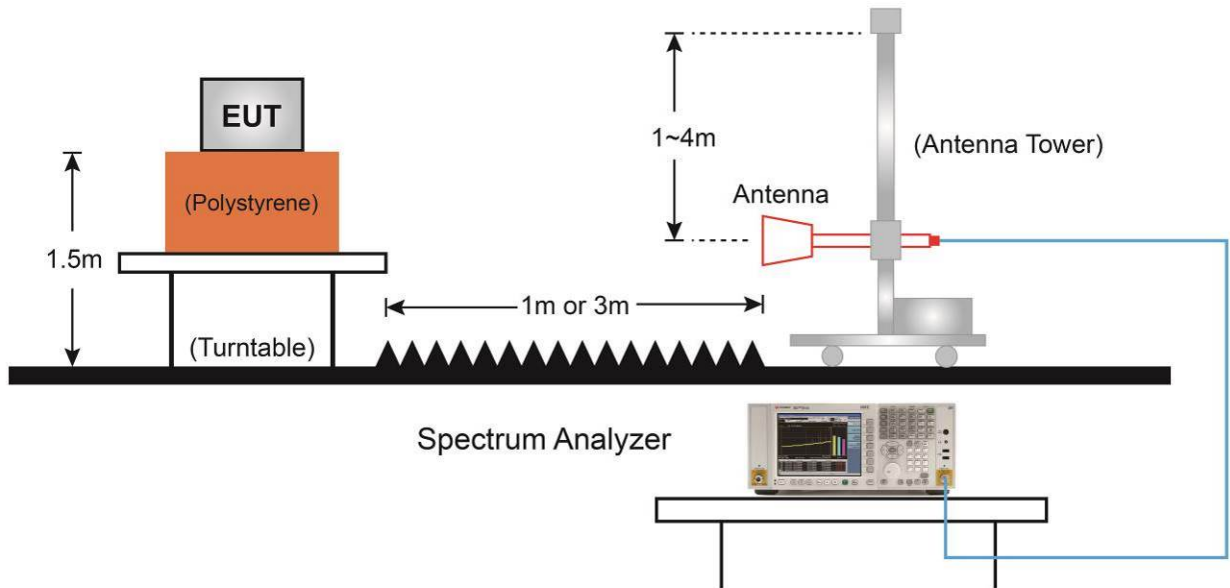
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW; If the EUT is configured to transmit with duty cycle $\geq 98\%$, set VBW = 10 Hz.
If the EUT duty cycle is $< 98\%$, set VBW $\geq 1/T$. T is the minimum transmission duration.
4. Detector = Peak
5. Sweep time = auto
6. Trace mode = max hold
7. Trace was allowed to stabilize

6.6.4. Test Setup

Below 1GHz Test Setup:



Above 1GHz Test Setup:



6.6.5. Test Result

Product	SUBSCRIBER END EQUIPMENT HGW	Test Engineer	Buter Shi
Test Site	AC1	Test Date	2020/08/19
Test Mode:	802.11b(CDD Mode)	Test Channel:	01
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	4824.1	45.3	5.7	51.0	54.0	-3.0	Average	Horizontal
	4824.1	47.7	5.7	53.4	74.0	-20.6	Peak	Horizontal
*	6312.5	37.8	7.6	45.4	74.0	-28.6	Peak	Horizontal
	7400.5	36.5	10.7	47.2	74.0	-26.8	Peak	Horizontal
*	7910.5	37.0	11.2	48.2	74.0	-25.8	Peak	Horizontal
	4824.1	47.1	5.7	52.8	54.0	-1.2	Average	Vertical
	4824.1	50.1	5.7	55.8	74.0	-18.2	Peak	Vertical
*	6669.5	37.8	8.6	46.4	74.0	-27.6	Peak	Vertical
	7511.0	36.5	10.9	47.4	74.0	-26.6	Peak	Vertical
*	8012.5	37.7	11.4	49.1	74.0	-24.9	Peak	Vertical

Note 1: "*" means test frequency did not fall into restricted band.

Note 2: Measure Level (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	SUBSCRIBER END EQUIPMENT HGW	Test Engineer	Buter Shi
Test Site	AC1	Test Date	2020/08/19
Test Mode:	802.11b (CDD Mode)	Test Channel:	06
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4874.0	46.3	5.5	51.8	54.0	-2.2	Average	Horizontal
	4874.0	48.2	5.5	53.7	74.0	-20.3	Peak	Horizontal
*	6958.5	38.5	9.4	47.9	74.0	-26.1	Peak	Horizontal
	7681.0	37.4	10.9	48.3	74.0	-25.7	Peak	Horizontal
*	7910.5	35.8	11.2	47.0	74.0	-27.0	Peak	Horizontal
	4874.1	47.5	5.5	53.0	54.0	-1.0	Average	Vertical
	4874.1	51.4	5.5	56.9	74.0	-17.1	Peak	Vertical
*	6950.0	36.1	9.4	45.5	74.0	-28.5	Peak	Vertical
	7443.0	38.3	11.0	49.3	74.0	-24.7	Peak	Vertical
*	8012.5	37.7	11.4	49.1	74.0	-24.9	Peak	Vertical

Note 1: "*" means test frequency did not fall into restricted band.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	SUBSCRIBER END EQUIPMENT HGW	Test Engineer	Buter Shi
Test Site	AC1	Test Date	2020/08/19
Test Mode:	802.11b (CDD Mode)	Test Channel:	11
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	4924.1	45.7	6.1	51.8	54.0	-2.2	Average	Horizontal
	4924.1	47.8	6.1	53.9	74.0	-20.1	Peak	Horizontal
*	6338.0	37.1	8.0	45.1	74.0	-28.9	Peak	Horizontal
	7434.5	36.4	10.9	47.3	74.0	-26.7	Peak	Horizontal
*	8786.0	35.2	12.8	48.0	74.0	-26.0	Peak	Horizontal
	4924.0	46.8	6.1	52.9	54.0	-1.1	Average	Vertical
	4924.0	49.7	6.1	55.8	74.0	-18.2	Peak	Vertical
*	7103.0	36.9	10.4	47.3	74.0	-26.7	Peak	Vertical
	7519.5	36.4	10.9	47.3	74.0	-26.7	Peak	Vertical
*	8726.5	35.2	12.8	48.0	74.0	-26.0	Peak	Vertical

Note 1: "*" means test frequency did not fall into restricted band.

Note 2: Measure Level (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	SUBSCRIBER END EQUIPMENT HGW	Test Engineer	Buter Shi
Test Site	AC1	Test Date	2020/08/19
Test Mode:	802.11g (CDD Mode)	Test Channel:	01
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4821.9	43.0	5.8	48.8	54.0	-5.2	Average	Horizontal
	4821.9	52.7	5.8	58.5	74.0	-15.5	Peak	Horizontal
*	5913.0	37.1	7.1	44.2	74.0	-29.8	Peak	Horizontal
	7417.5	37.2	10.8	48.0	74.0	-26.0	Peak	Horizontal
*	8658.5	35.8	12.8	48.6	74.0	-25.4	Peak	Horizontal
	4821.9	57.4	5.8	63.2	74.0	-10.8	Peak	Vertical
	4821.9	44.3	5.8	50.1	54.0	-3.9	Average	Vertical
*	6278.5	37.5	7.4	44.9	74.0	-29.1	Peak	Vertical
	7511.0	35.8	10.9	46.7	74.0	-27.3	Peak	Vertical
*	8769.0	35.5	12.9	48.4	74.0	-25.6	Peak	Vertical

Note 1: "*" means test frequency did not fall into restricted band.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	SUBSCRIBER END EQUIPMENT HGW	Test Engineer	Buter Shi
Test Site	AC1	Test Date	2020/08/19
Test Mode:	802.11g(CDD Mode)	Test Channel:	06
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4876.3	53.7	5.5	59.2	74.0	-14.8	Peak	Horizontal
	4876.3	42.7	5.5	48.2	54.0	-5.8	Average	Horizontal
*	6533.5	37.4	8.4	45.8	74.0	-28.2	Peak	Horizontal
	7502.5	36.9	10.8	47.7	74.0	-26.3	Peak	Horizontal
*	10120.5	35.3	15.6	50.9	74.0	-23.1	Peak	Horizontal
	4876.0	56.6	5.5	62.1	74.0	-11.9	Peak	Vertical
	4876.0	45.0	5.5	50.5	54.0	-3.5	Average	Vertical
*	6907.5	37.1	9.1	46.2	74.0	-27.8	Peak	Vertical
	7570.5	36.5	10.8	47.3	74.0	-26.7	Peak	Vertical
*	8743.5	36.5	12.8	49.3	74.0	-24.7	Peak	Vertical

Note 1: "*" means test frequency did not fall into restricted band.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	SUBSCRIBER END EQUIPMENT HGW	Test Engineer	Buter Shi
Test Site	AC1	Test Date	2020/08/19
Test Mode:	802.11g(CDD Mode)	Test Channel:	11
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	4918.5	45.7	5.9	51.6	74.0	-22.4	Peak	Horizontal
*	6499.5	36.6	8.4	45.0	74.0	-29.0	Peak	Horizontal
	7536.5	35.7	10.8	46.5	74.0	-27.5	Peak	Horizontal
*	8862.5	36.2	12.9	49.1	74.0	-24.9	Peak	Horizontal
	4925.7	49.0	6.1	55.1	74.0	-18.9	Peak	Vertical
	4925.7	36.3	6.1	42.4	54.0	-11.6	Average	Vertical
*	6508.0	37.2	8.6	45.8	74.0	-28.2	Peak	Vertical
	7468.5	35.6	10.9	46.5	74.0	-27.5	Peak	Vertical
*	8769.0	35.6	12.9	48.5	74.0	-25.5	Peak	Vertical

Note 1: "*" means test frequency did not fall into restricted band.

Note 2: Measure Level (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	SUBSCRIBER END EQUIPMENT HGW	Test Engineer	Buter Shi
Test Site	AC1	Test Date	2020/08/19
Test Mode:	802.11n-HT20 (CDD Mode)	Test Channel:	01
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	4825.0	39.9	5.8	45.7	54.0	-8.3	Average	Horizontal
	4825.0	51.8	5.8	57.6	74.0	-16.4	Peak	Horizontal
*	6873.5	37.1	9.0	46.1	74.0	-27.9	Peak	Horizontal
	7630.0	37.0	10.5	47.5	74.0	-26.5	Peak	Horizontal
*	8684.0	36.4	12.9	49.3	74.0	-24.7	Peak	Horizontal
	4822.4	56.0	5.8	61.8	74.0	-12.2	Peak	Vertical
	4822.4	42.1	5.8	47.9	54.0	-6.1	Average	Vertical
*	6431.5	37.2	8.3	45.5	74.0	-28.5	Peak	Vertical
	7545.0	36.8	10.8	47.6	74.0	-26.4	Peak	Vertical
*	7910.5	36.2	11.2	47.4	74.0	-26.6	Peak	Vertical

Note 1: "*" means test frequency did not fall into restricted band.

Note 2: Measure Level (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	SUBSCRIBER END EQUIPMENT HGW	Test Engineer	Buter Shi
Test Site	AC1	Test Date	2020/08/19
Test Mode:	802.11n-HT20 (CDD Mode)	Test Channel:	06
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	4877.9	53.5	5.5	59.0	74.0	-15.0	Peak	Horizontal
	4877.9	41.8	5.5	47.3	54.0	-6.7	Average	Horizontal
*	6542.0	37.6	8.4	46.0	74.0	-28.0	Peak	Horizontal
	7579.0	35.7	10.7	46.4	74.0	-27.6	Peak	Horizontal
*	8828.5	34.9	12.9	47.8	74.0	-26.2	Peak	Horizontal
	4872.4	55.7	5.6	61.3	74.0	-12.7	Peak	Vertical
	4872.4	44.1	5.6	49.7	54.0	-4.3	Average	Vertical
*	6601.5	37.0	8.6	45.6	74.0	-28.4	Peak	Vertical
	7307.0	38.6	10.6	49.2	74.0	-24.8	Peak	Vertical
*	7970.0	36.7	11.5	48.2	74.0	-25.8	Peak	Vertical

Note 1: "*" means test frequency did not fall into restricted band.

Note 2: Measure Level (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	SUBSCRIBER END EQUIPMENT HGW	Test Engineer	Buter Shi
Test Site	AC1	Test Date	2020/08/19
Test Mode:	802.11n-HT20 (CDD Mode)	Test Channel:	11
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	4927.0	44.9	6.2	51.1	74.0	-22.9	Peak	Horizontal
*	6508.0	36.9	8.6	45.5	74.0	-28.5	Peak	Horizontal
	7587.5	37.3	10.7	48.0	74.0	-26.0	Peak	Horizontal
*	9823.0	34.8	15.3	50.1	74.0	-23.9	Peak	Horizontal
	4918.5	46.4	5.9	52.3	74.0	-21.7	Peak	Vertical
*	6584.5	37.1	8.7	45.8	74.0	-28.2	Peak	Vertical
	7613.0	35.8	10.7	46.5	74.0	-27.5	Peak	Vertical
*	8769.0	35.2	12.9	48.1	74.0	-25.9	Peak	Vertical

Note 1: "*" means test frequency did not fall into restricted band.

Note 2: Measure Level (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	SUBSCRIBER END EQUIPMENT HGW	Test Engineer	Buter Shi
Test Site	AC1	Test Date	2020/08/19
Test Mode:	802.11n-HT40 (CDD Mode)	Test Channel:	03
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	4842.0	43.5	5.9	49.4	74.0	-24.6	Peak	Horizontal
*	6584.5	37.3	8.7	46.0	74.0	-28.0	Peak	Horizontal
	7553.5	36.6	10.8	47.4	74.0	-26.6	Peak	Horizontal
*	7910.5	35.7	11.2	46.9	74.0	-27.1	Peak	Horizontal
	4842.0	45.0	5.9	50.9	74.0	-23.1	Peak	Vertical
*	6618.5	37.4	8.4	45.8	74.0	-28.2	Peak	Vertical
	7689.5	37.2	10.8	48.0	74.0	-26.0	Peak	Vertical
*	8769.0	36.2	12.9	49.1	74.0	-24.9	Peak	Vertical

Note 1: "*" means test frequency did not fall into restricted band.

Note 2: Measure Level (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	SUBSCRIBER END EQUIPMENT HGW	Test Engineer	Buter Shi
Test Site	AC1	Test Date	2020/08/19
Test Mode:	802.11n-HT40 (CDD Mode)	Test Channel:	06
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4876.0	39.5	5.5	45.0	54.0	-9.0	Average	Horizontal
	4876.0	50.1	5.5	55.6	74.0	-18.4	Peak	Horizontal
*	6346.5	37.9	8.1	46.0	74.0	-28.0	Peak	Horizontal
	7511.0	35.5	10.9	46.4	74.0	-27.6	Peak	Horizontal
*	10061.0	33.5	14.9	48.4	74.0	-25.6	Peak	Horizontal
	4875.2	42.1	5.5	47.6	54.0	-6.4	Average	Vertical
	4875.2	53.1	5.5	58.6	74.0	-15.4	Peak	Vertical
*	6423.0	36.9	8.3	45.2	74.0	-28.8	Peak	Vertical
	7460.0	36.4	11.0	47.4	74.0	-26.6	Peak	Vertical
*	9908.0	36.2	15.2	51.4	74.0	-22.6	Peak	Vertical

Note 1: "*" means test frequency did not fall into restricted band.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	SUBSCRIBER END EQUIPMENT HGW	Test Engineer	Buter Shi
Test Site	AC1	Test Date	2020/08/19
Test Mode:	802.11n-HT40 (CDD Mode)	Test Channel:	09
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	4901.5	37.8	5.8	43.6	74.0	-30.4	Peak	Horizontal
*	6525.0	35.3	8.5	43.8	74.0	-30.2	Peak	Horizontal
	7570.5	36.0	10.8	46.8	74.0	-27.2	Peak	Horizontal
*	8854.0	36.8	12.8	49.6	74.0	-24.4	Peak	Horizontal
	4901.5	39.5	5.8	45.3	74.0	-28.7	Peak	Vertical
*	6508.0	36.5	8.6	45.1	74.0	-28.9	Peak	Vertical
	7468.5	36.8	10.9	47.7	74.0	-26.3	Peak	Vertical
*	8769.0	35.3	12.9	48.2	74.0	-25.8	Peak	Vertical

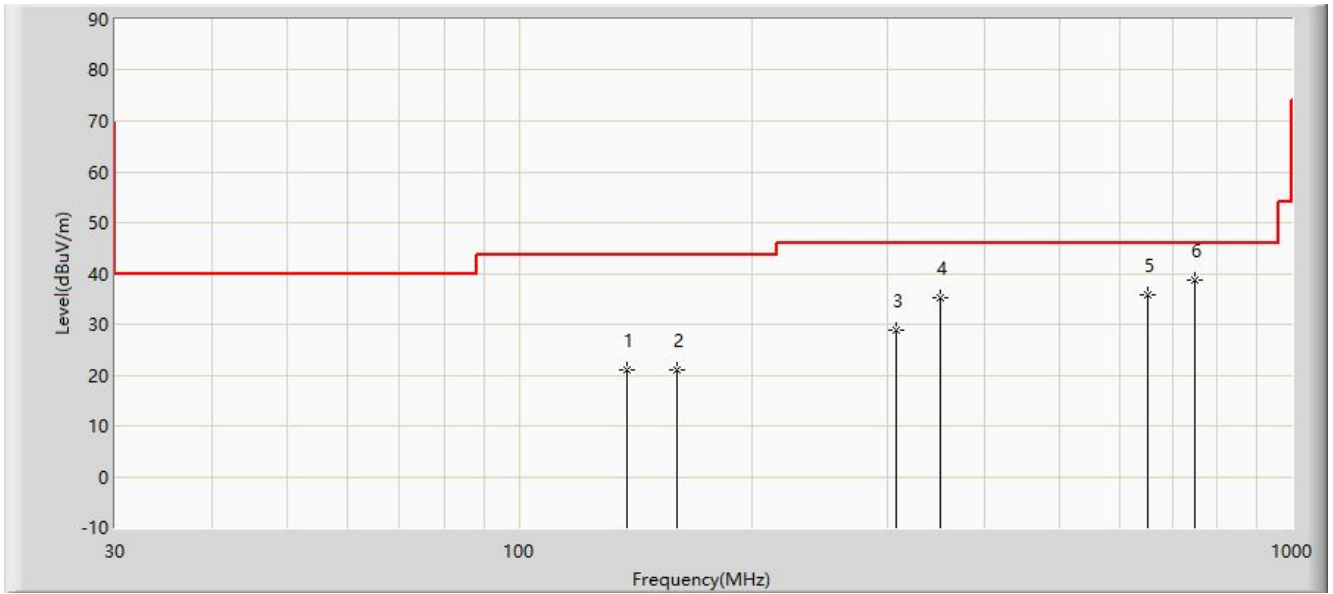
Note 1: "*" means test frequency did not fall into restricted band.

Note 2: Measure Level (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

The Result of Radiated Emission below 1GHz:

Site: AC1	Time: 2020/09/01 - 15:18
Limit: FCC_Part15.209_RSE(3m)	Engineer: Dillon Diao
Probe: AC1_VULB 9168 _30-1000MHz	Polarity: Horizontal
EUT: SUBSCRIBER END EQUIPMENT HGW	Power: AC 120V/60Hz
Worst Case Mode: Transmit by 802.11n-HT40 at channel 2422MHz	



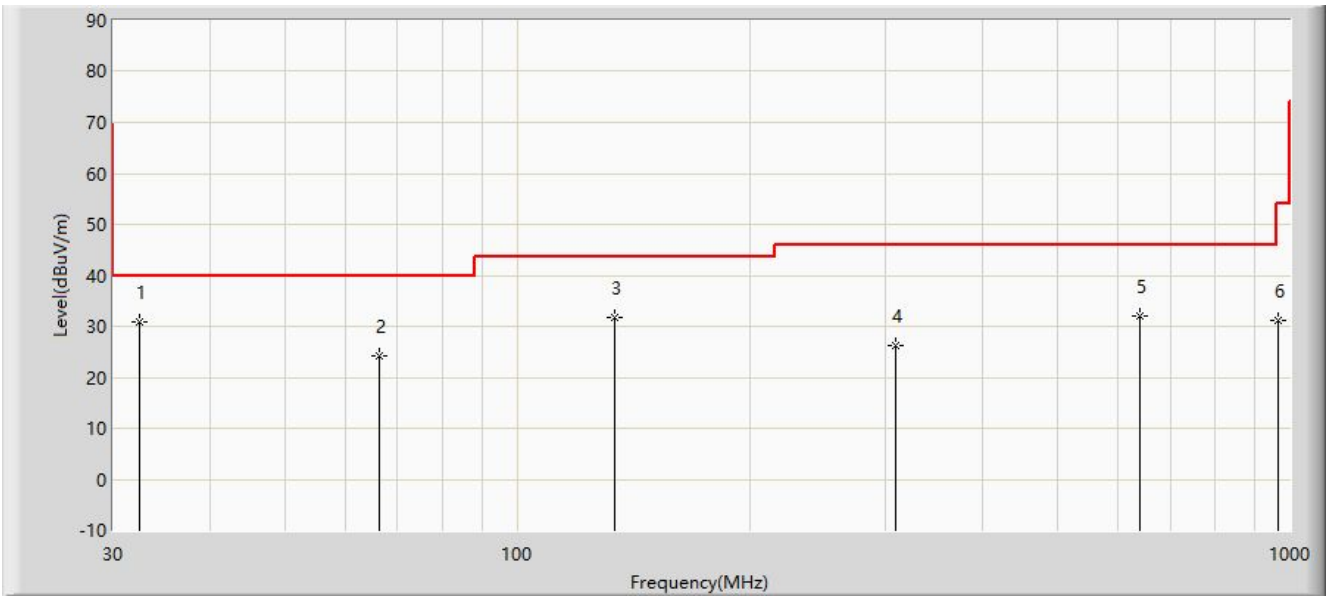
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			138.155	20.991	7.268	-22.509	43.500	13.723	PK
2			159.980	20.986	6.554	-22.514	43.500	14.432	PK
3			307.905	28.718	13.650	-17.282	46.000	15.068	PK
4			350.100	35.115	19.236	-10.885	46.000	15.879	PK
5			649.830	35.890	13.232	-10.110	46.000	22.658	PK
6		*	750.225	38.717	14.344	-7.283	46.000	24.373	PK

Note 1: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Note 2: The amplitude of radiated emissions (frequency range from 9kHz ~ 30MHz, 18GHz to 25GHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value. Therefore, the data is not presented in the report.

Site: AC1	Time: 2020/09/01 - 15:19
Limit: FCC_Part15.209_RSE(3m)	Engineer: Dillon Diao
Probe: AC1_VULB 9168_30-1000MHz	Polarity: Vertical
EUT: SUBSCRIBER END EQUIPMENT HGW	Power: AC 120V/60Hz
Worst Case Mode: Transmit by 802.11n-HT40 at channel 2422MHz	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	32.425	30.833	17.914	-9.167	40.000	12.920	PK
2			66.375	24.180	11.127	-15.820	40.000	13.053	PK
3			133.790	31.759	18.492	-11.741	43.500	13.267	PK
4			308.390	26.310	11.230	-19.690	46.000	15.080	PK
5			638.190	32.081	9.612	-13.919	46.000	22.469	PK
6			966.535	31.265	4.424	-22.735	54.000	26.841	PK

Note 1: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Note 2: The amplitude of radiated emissions (frequency range from 9kHz ~ 30MHz, 18GHz to 25GHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value. Therefore, the data is not presented in the report.

6.7. Radiated Restricted Band Edge Measurement

6.7.1. Test Limit

For 15.205 requirement:

Radiated emissions which fall in the restricted bands, as defined in Section 15.205(a) of FCC part 15, must also comply with the radiated emission limits specified in Section 15.209(a).

Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (GHz)
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
¹ 0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2310 - 2390	15.35 - 16.2
8.362 - 8.366	156.52475 - 156.52525	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.7 - 156.9	2690 - 2900	22.01 - 23.12
8.41425 - 8.41475	162.0125 - 167.17	3260 - 3267	23.6 - 24.0
12.29 - 12.293	167.72 - 173.2	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	240 - 285	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	322 - 335.4	3600 - 4400	(²)
13.36 - 13.41	--	--	--

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47CFR must not exceed the limits shown in Table per Section 15.209.

FCC Part 15 Subpart C Paragraph 15.209		
Frequency [MHz]	Field Strength [uV/m]	Measured Distance [Meters]
0.009 - 0.490	2400/F (kHz)	300
0.490 - 1.705	24000/F (kHz)	30
1.705 - 30	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

6.7.2. Test Procedure Used

ANSI C63.10-2013 Section 6.3&6.6.

6.7.3. Test Setting

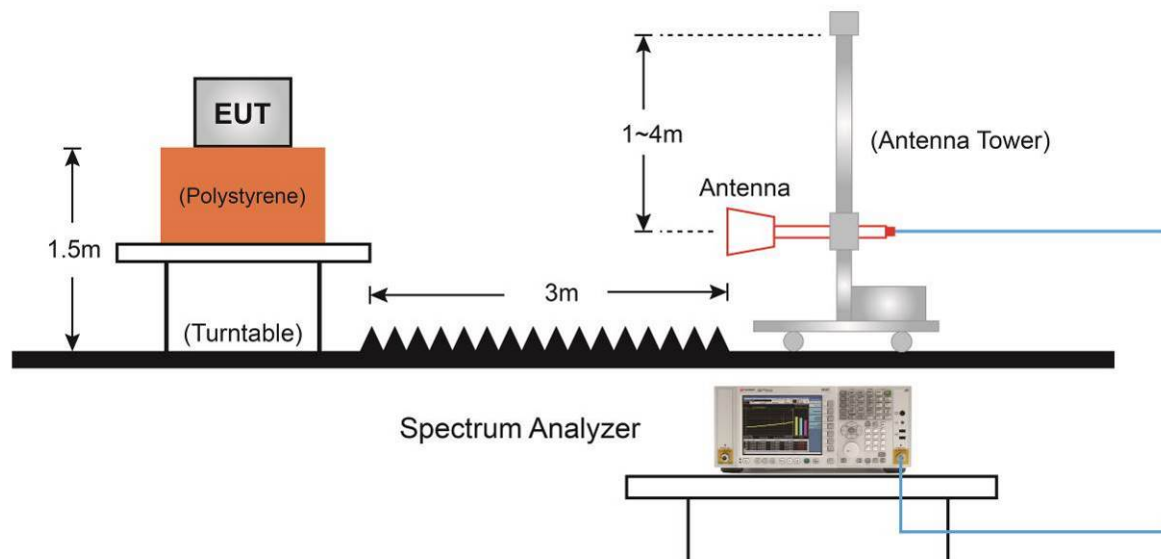
Peak Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

Average Field Strength Measurements

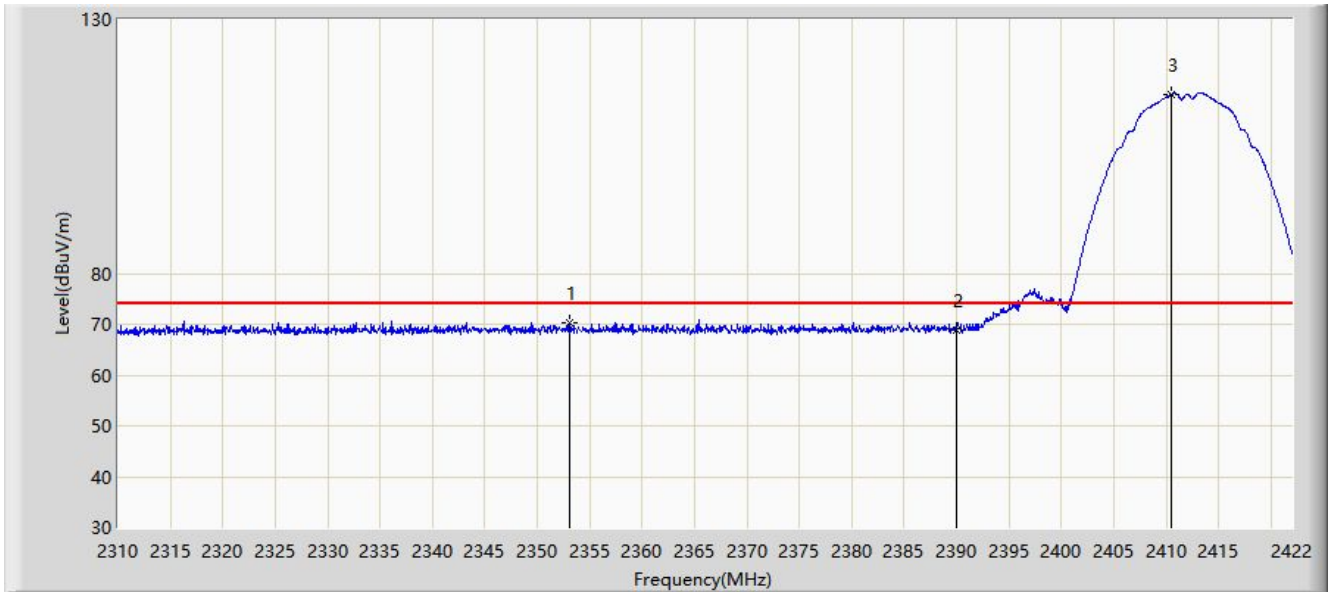
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW $\geq 1/T$
4. As an alternative, the instrument may be set to linear detector mode. Ensure that video filtering is applied in linear voltage domain (rather than in a log or dB domain). Some instruments require linear display mode in order to accomplish this. Others have a setting for Average-VBW Type, which can be set to "Voltage" regardless of the display mode
5. Detector = Peak
6. Sweep time = auto
7. Trace mode = max hold
8. Allow max hold to run for at least 50 times (1/duty cycle) traces

6.7.4. Test Setup



6.7.5. Test Result

Site: AC1	Time: 2020/08/07 - 00:21
Limit: FCC_Part15.209_RE (3m)	Engineer: Dillon Diao
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: SUBSCRIBER END EQUIPMENT HGW	Power: AC 120V/60Hz
Note: Transmit by 802.11b at channel 2412MHz (CDD Mode)	

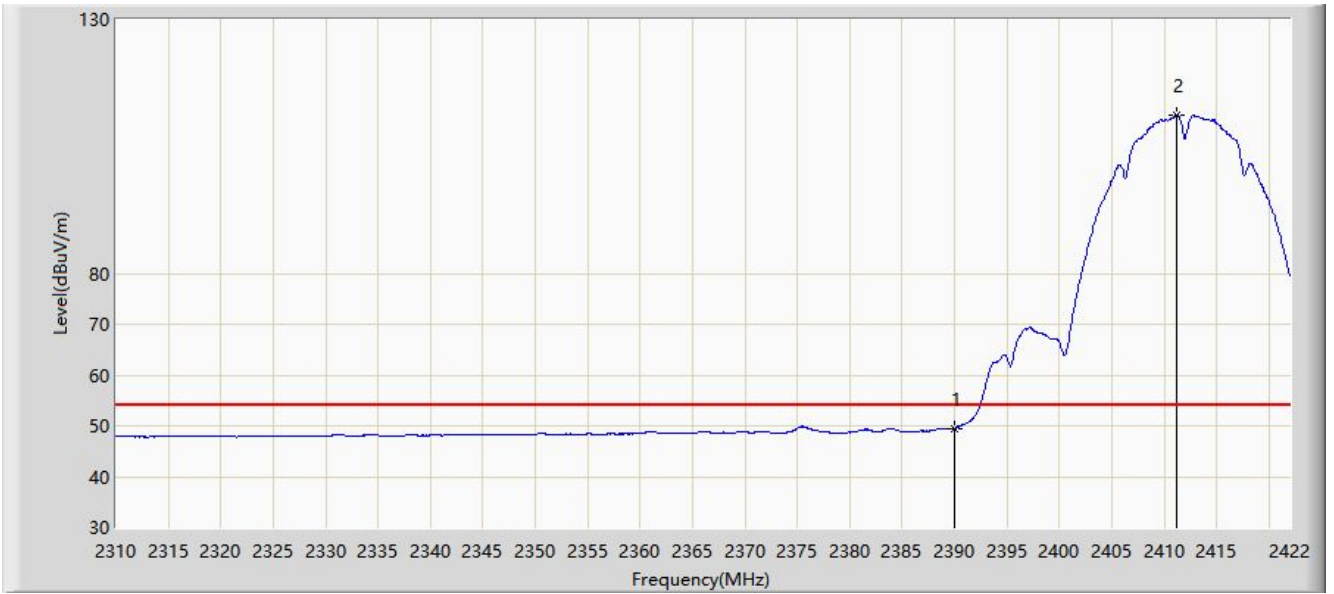


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2353.120	70.224	37.445	-3.776	74.000	32.779	PK
2			2390.000	68.868	36.156	-5.132	74.000	32.712	PK
3		*	2410.464	115.254	82.522	N/A	N/A	32.732	PK

Note: Measure Level (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2020/08/07 - 00:22
Limit: FCC_Part15.209_RE (3m)	Engineer: Dillon Diao
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: SUBSCRIBER END EQUIPMENT HGW	Power: AC 120V/60Hz
Note: Transmit by 802.11b at channel 2412MHz (CDD Mode)	

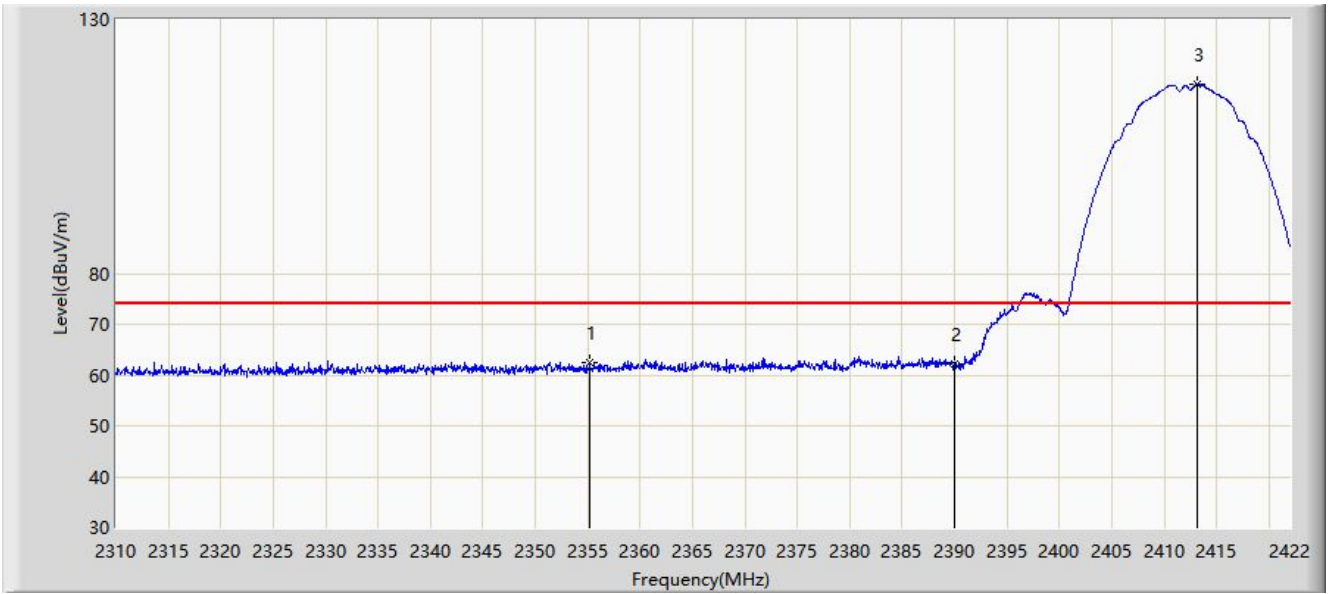


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	49.500	16.788	-4.500	54.000	32.712	AV
2	X	*	2411.136	111.213	78.482	N/A	N/A	32.731	AV

Note: Measure Level (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2020/08/07 - 00:29
Limit: FCC_Part15.209_RE (3m)	Engineer: Dillon Diao
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: SUBSCRIBER END EQUIPMENT HGW	Power: AC 120V/60Hz
Note: Transmit by 802.11b at channel 2412MHz (CDD Mode)	

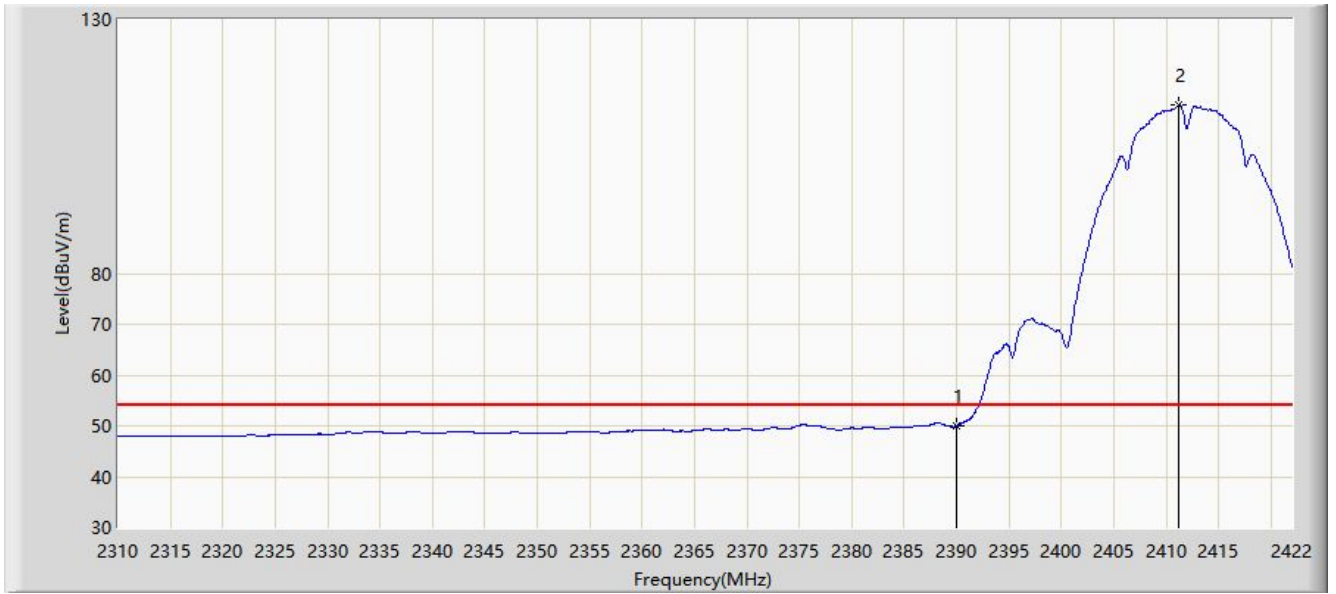


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2355.192	62.458	29.684	-11.542	74.000	32.775	PK
2			2390.000	62.314	29.602	-11.686	74.000	32.712	PK
3		*	2413.096	117.146	84.417	N/A	N/A	32.728	PK

Note: Measure Level (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2020/08/07 - 00:30
Limit: FCC_Part15.209_RE (3m)	Engineer: Dillon Diao
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: SUBSCRIBER END EQUIPMENT HGW	Power: AC 120V/60Hz
Note: Transmit by 802.11b at channel 2412MHz (CDD Mode)	

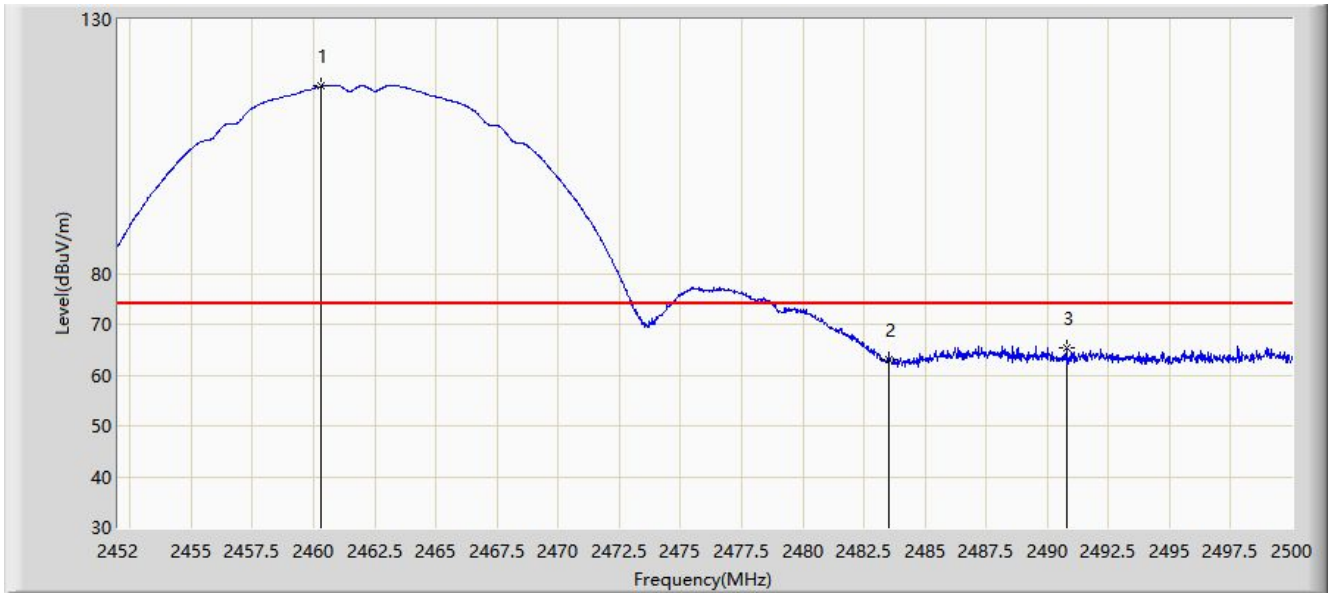


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	49.909	17.197	-4.091	54.000	32.712	AV
2	X	*	2411.192	113.097	80.366	N/A	N/A	32.731	AV

Note: Measure Level (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2020/08/07 - 01:14
Limit: FCC_Part15.209_RE (3m)	Engineer: Dillon Diao
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: SUBSCRIBER END EQUIPMENT HGW	Power: AC 120V/60Hz
Note: Transmit by 802.11b at channel 2462MHz (CDD Mode)	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2460.280	116.817	84.066	N/A	N/A	32.750	PK
2			2483.500	63.173	30.523	-10.827	74.000	32.651	PK
3			2490.784	65.274	32.658	-8.726	74.000	32.616	PK

Note: Measure Level (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2020/08/07 - 01:13
Limit: FCC_Part15.209_RE (3m)	Engineer: Dillon Diao
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: SUBSCRIBER END EQUIPMENT HGW	Power: AC 120V/60Hz
Note: Transmit by 802.11b at channel 2462MHz (CDD Mode)	

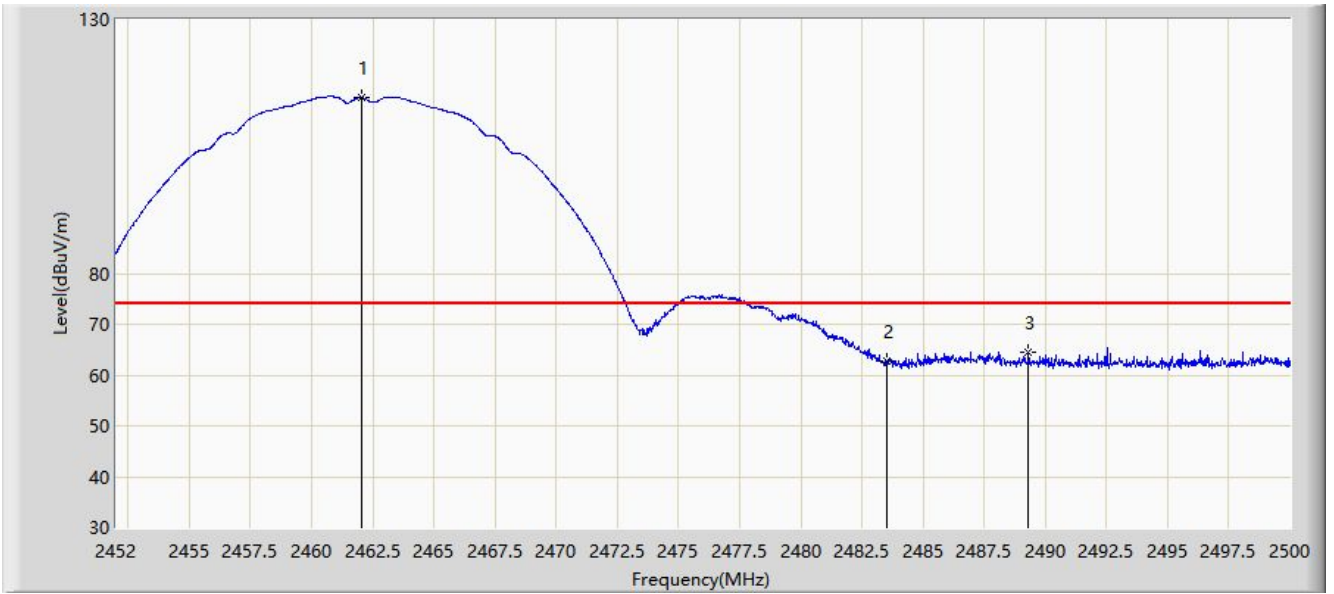


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	X	*	2461.168	113.102	80.348	N/A	N/A	32.754	AV
2			2483.500	51.389	18.739	-2.611	54.000	32.651	AV
3			2486.848	53.366	20.745	-0.634	54.000	32.621	AV

Note: Measure Level (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2020/08/07 - 01:17
Limit: FCC_Part15.209_RE (3m)	Engineer: Dillon Diao
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: SUBSCRIBER END EQUIPMENT HGW	Power: AC 120V/60Hz
Note: Transmit by 802.11b at channel 2462MHz (CDD Mode)	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2462.056	114.631	81.874	N/A	N/A	32.757	PK
2			2483.500	62.817	30.167	-11.183	74.000	32.651	PK
3			2489.320	64.385	31.769	-9.615	74.000	32.615	PK

Note: Measure Level (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2020/08/07 - 01:18
Limit: FCC_Part15.209_RE (3m)	Engineer: Dillon Diao
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: SUBSCRIBER END EQUIPMENT HGW	Power: AC 120V/60Hz
Note: Transmit by 802.11b at channel 2462MHz (CDD Mode)	

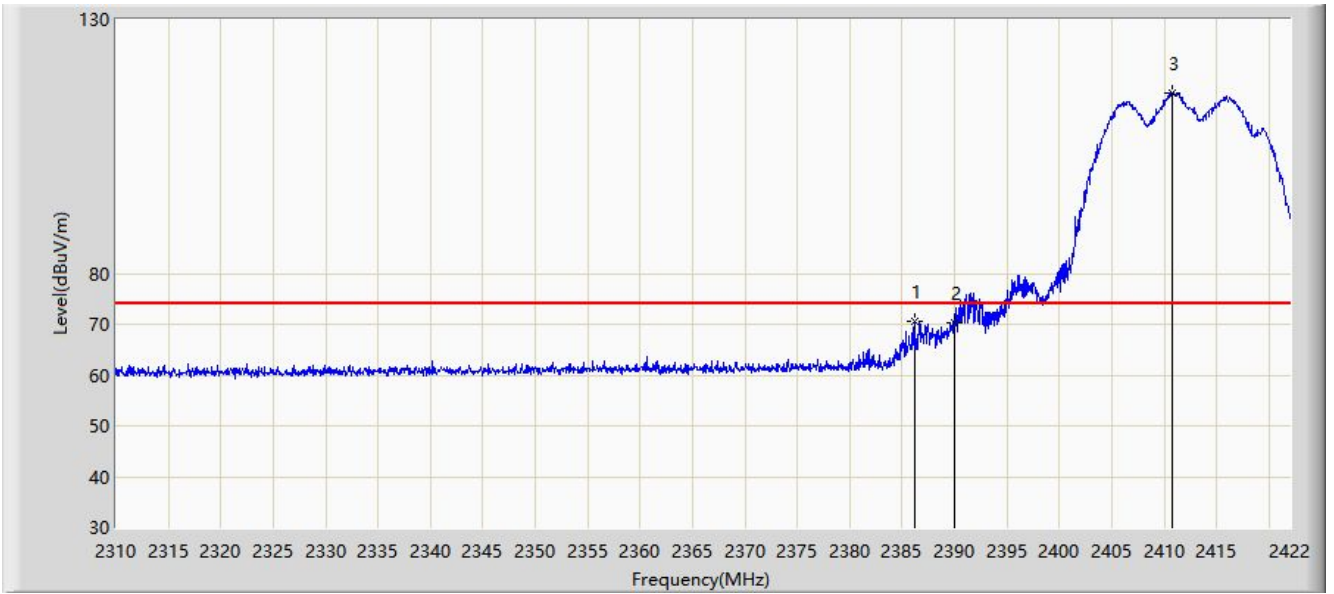


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	X	*	2462.800	110.634	77.875	N/A	N/A	32.759	AV
2			2483.500	50.298	17.648	-3.702	54.000	32.651	AV

Note: Measure Level (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2020/08/07 - 01:47
Limit: FCC_Part15.209_RE (3m)	Engineer: Dillon Diao
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: SUBSCRIBER END EQUIPMENT HGW	Power: AC 120V/60Hz
Note: Transmit by 802.11g at channel 2412MHz (CDD Mode)	

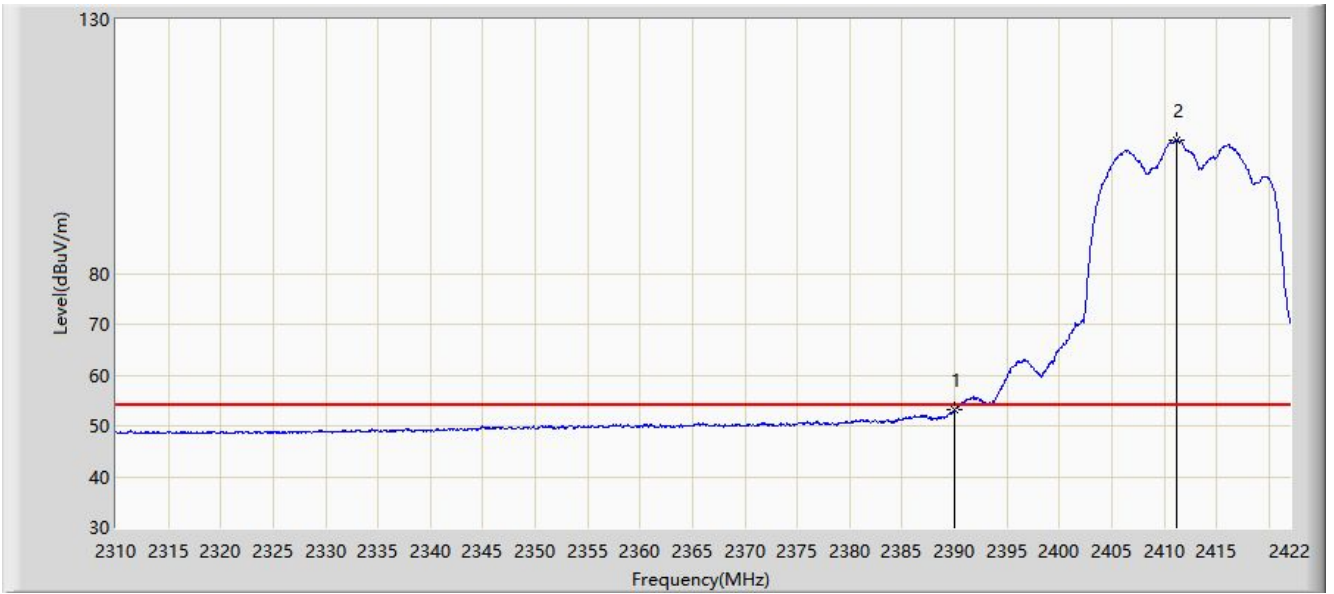


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2386.216	70.505	37.811	-3.495	74.000	32.694	PK
2			2390.000	70.239	37.527	-3.761	74.000	32.712	PK
3		*	2410.800	115.584	82.853	N/A	N/A	32.731	PK

Note: Measure Level (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2020/08/07 - 01:46
Limit: FCC_Part15.209_RE (3m)	Engineer: Dillon Diao
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: SUBSCRIBER END EQUIPMENT HGW	Power: AC 120V/60Hz
Note: Transmit by 802.11g at channel 2412MHz (CDD Mode)	

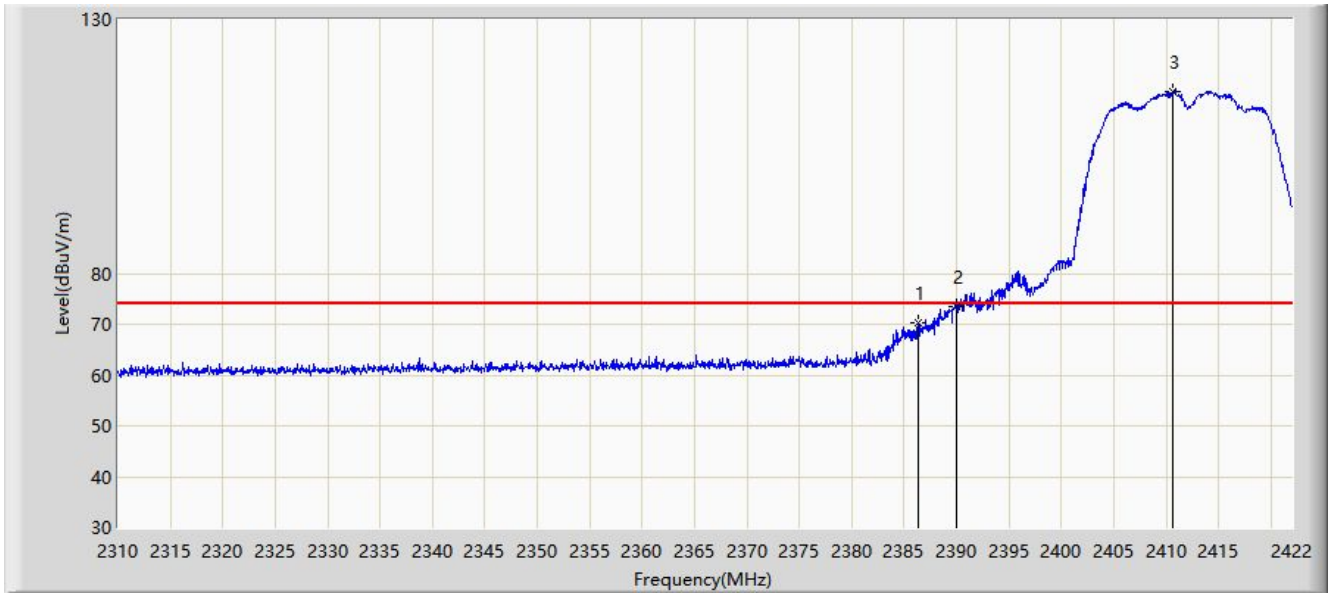


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	53.078	20.366	-0.922	54.000	32.712	AV
2		*	2411.136	106.304	73.573	N/A	N/A	32.731	AV

Note: Measure Level (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2020/08/07 - 01:48
Limit: FCC_Part15.209_RE (3m)	Engineer: Dillon Diao
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: SUBSCRIBER END EQUIPMENT HGW	Power: AC 120V/60Hz
Note: Transmit by 802.11g at channel 2412MHz (CDD Mode)	

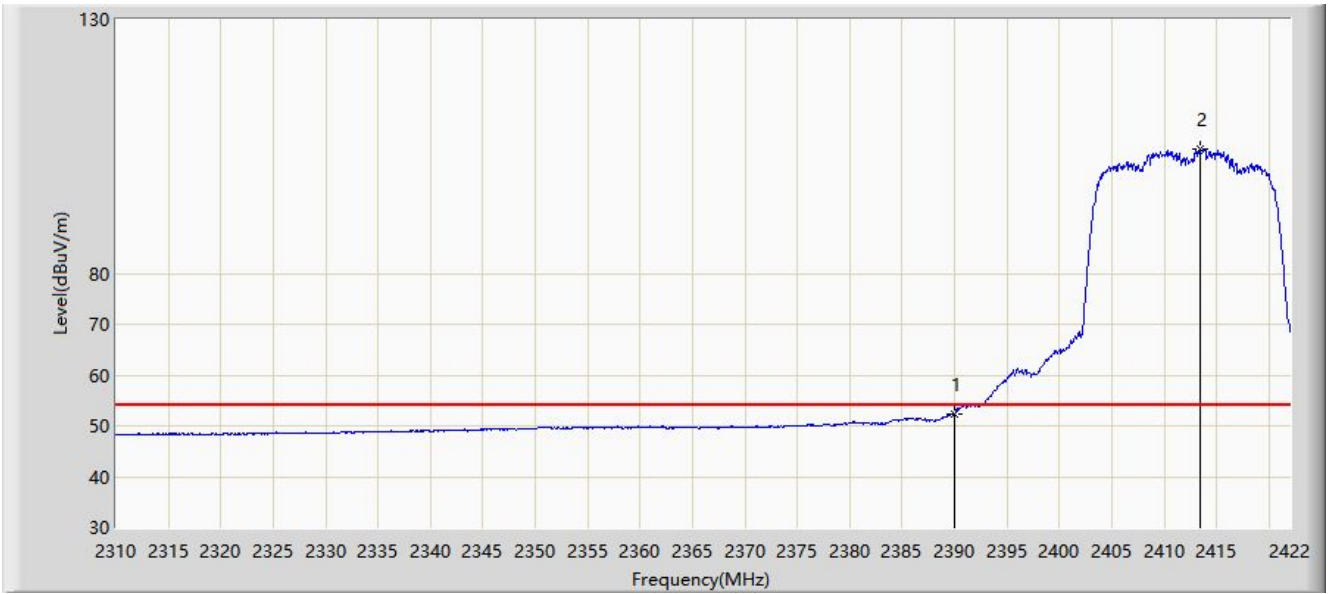


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2386.328	70.319	37.624	-3.681	74.000	32.695	PK
2			2390.000	73.371	40.659	-0.629	74.000	32.712	PK
3		*	2410.688	115.915	83.184	N/A	N/A	32.732	PK

Note: Measure Level (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2020/08/07 - 01:50
Limit: FCC_Part15.209_RE (3m)	Engineer: Dillon Diao
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: SUBSCRIBER END EQUIPMENT HGW	Power: AC 120V/60Hz
Note: Transmit by 802.11g at channel 2412MHz (CDD Mode)	

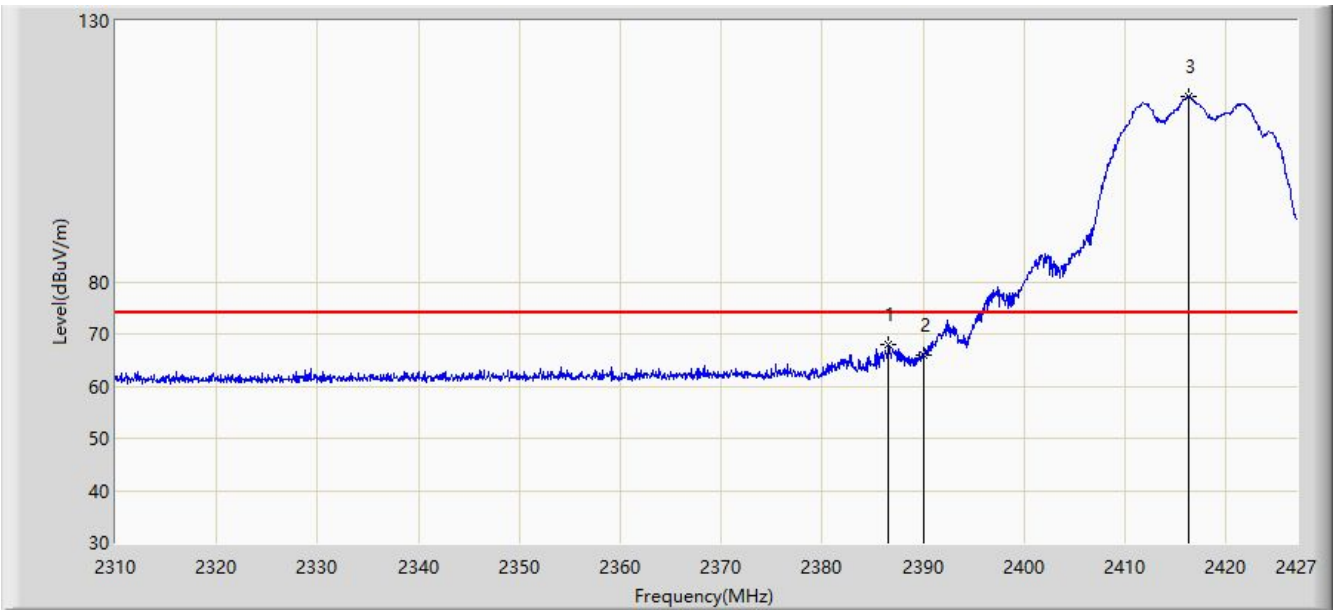


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	52.395	19.683	-1.605	54.000	32.712	AV
2		*	2413.376	104.395	71.666	N/A	N/A	32.728	AV

Note: Measure Level (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

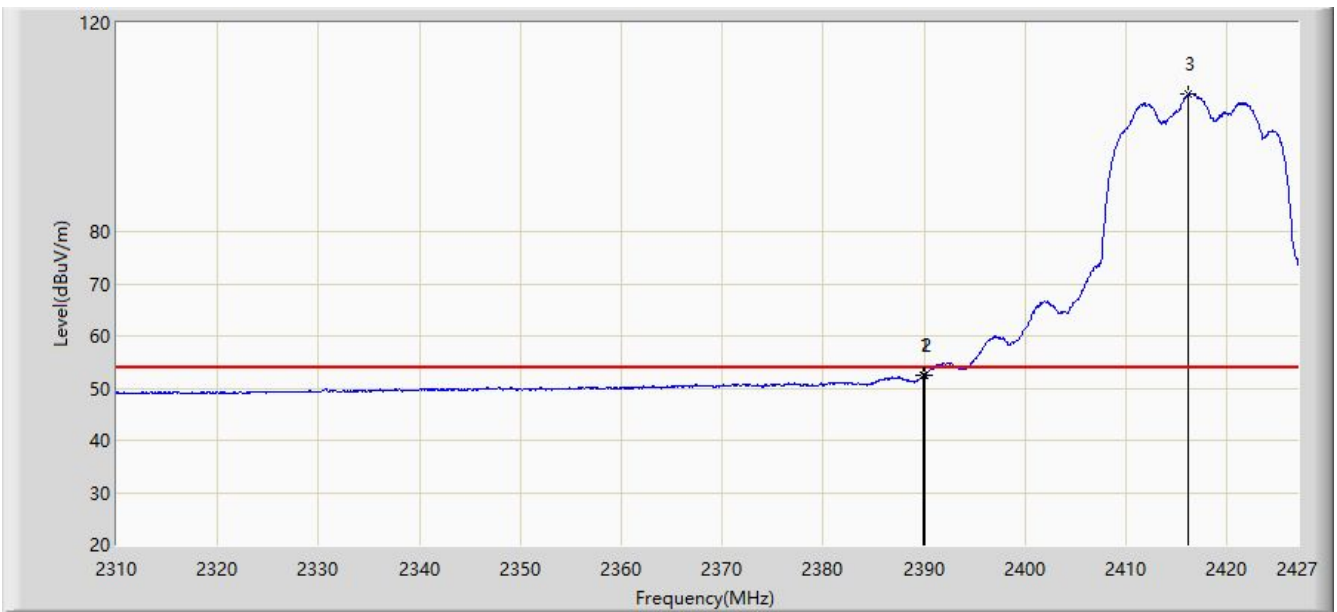
Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2020/08/20 - 17:23
Limit: FCC_Part15_Band Edge(3m)	Engineer: Buter Shi
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: SUBSCRIBER END EQUIPMENT HGW	Power: AC 120V/60Hz
Note: Transmit by 802.11g at channel 2417MHz (CDD Mode)	



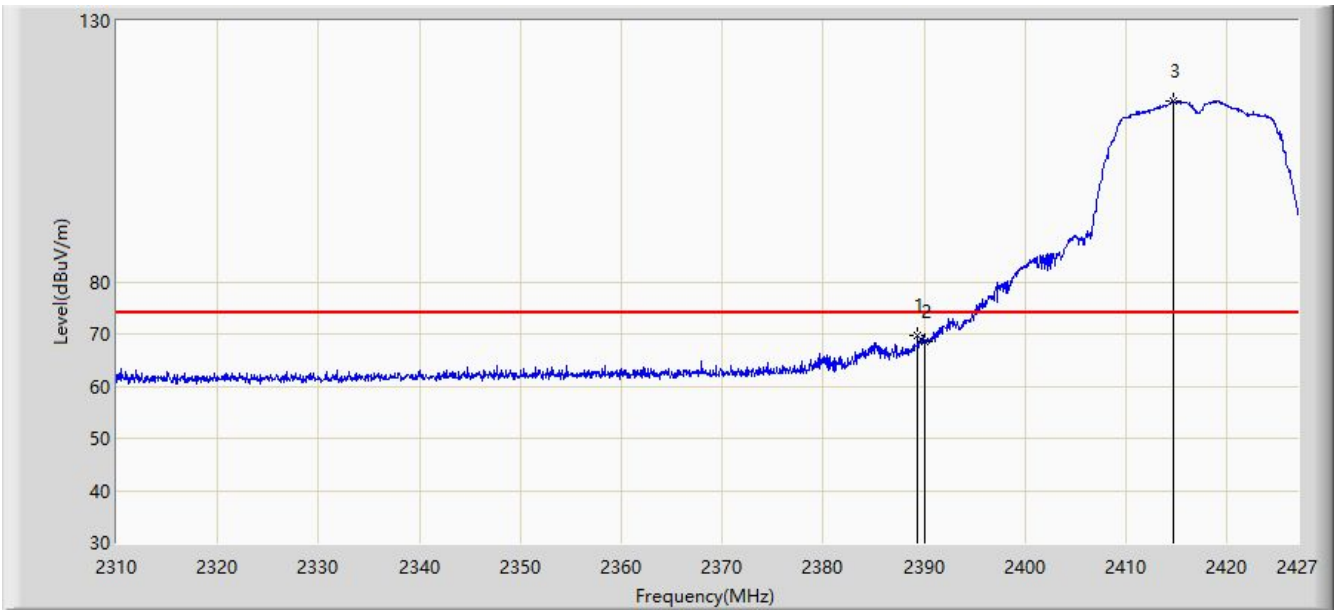
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2386.576	68.034	35.338	-5.966	74.000	32.696	PK
2			2390.000	65.971	33.259	-8.029	74.000	32.712	PK
3		*	2416.294	115.646	82.919	N/A	N/A	32.727	PK

Site: AC1	Time: 2020/08/20 - 17:25
Limit: FCC_Part15_Band Edge(3m)	Engineer: Buter Shi
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: SUBSCRIBER END EQUIPMENT HGW	Power: AC 120V/60Hz
Note: Transmit by 802.11g at channel 2417MHz (CDD Mode)	



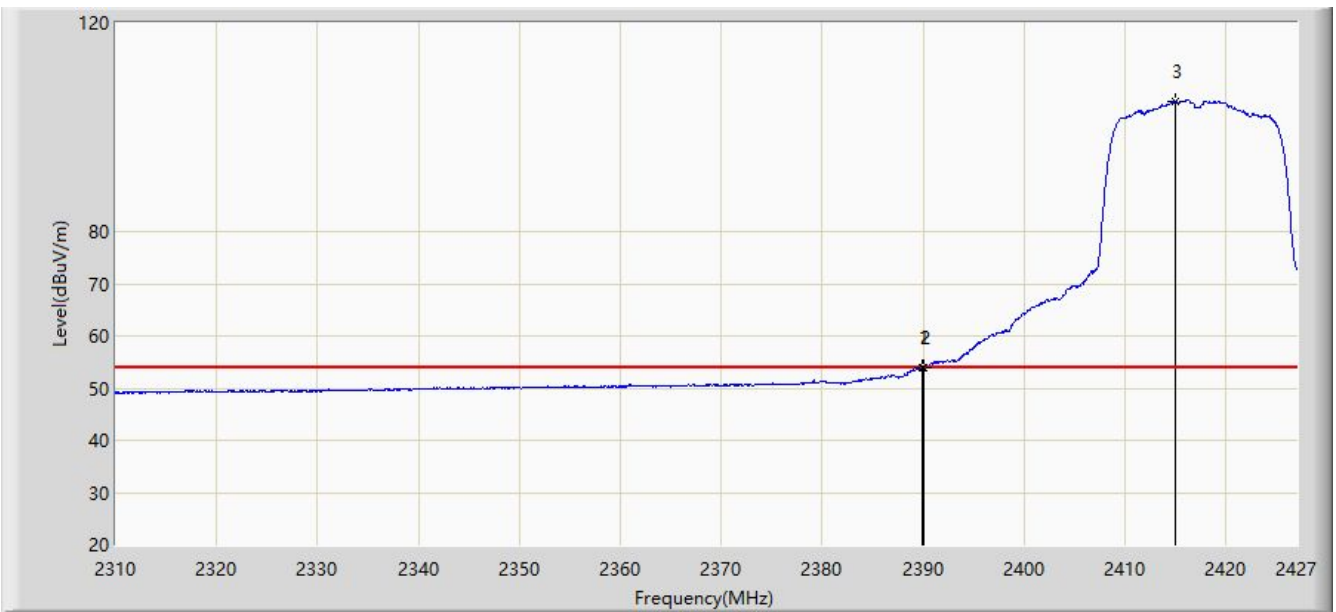
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2389.969	52.452	19.740	-1.548	54.000	32.712	AV
2			2390.000	52.434	19.722	-1.566	54.000	32.712	AV
3		*	2416.177	106.338	73.611	N/A	N/A	32.728	AV

Site: AC1	Time: 2020/08/20 - 17:27
Limit: FCC_Part15_Band Edge(3m)	Engineer: Buter Shi
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: SUBSCRIBER END EQUIPMENT HGW	Power: AC 120V/60Hz
Note: Transmit by 802.11g at channel 2417MHz (CDD Mode)	



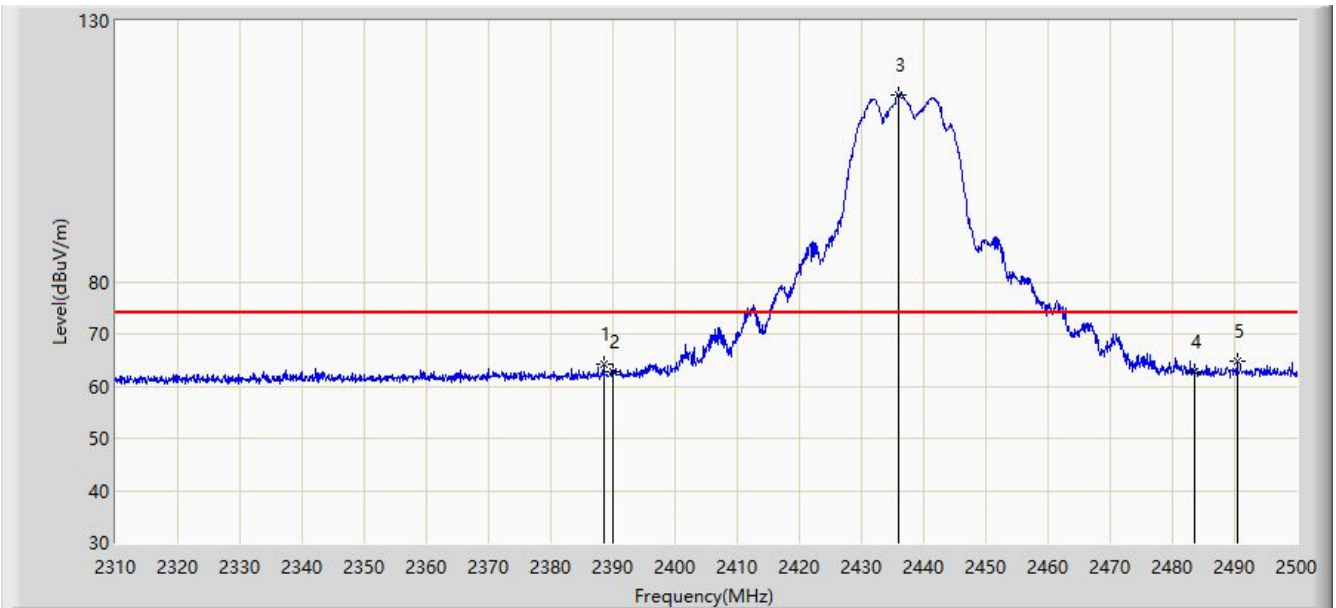
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2389.326	69.722	37.013	-4.278	74.000	32.708	PK
2			2390.000	68.427	35.715	-5.573	74.000	32.712	PK
3		*	2414.715	114.598	81.871	N/A	N/A	32.727	PK

Site: AC1	Time: 2020/08/20 - 17:28
Limit: FCC_Part15_Band Edge(3m)	Engineer: Buter Shi
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: SUBSCRIBER END EQUIPMENT HGW	Power: AC 120V/60Hz
Note: Transmit by 802.11g at channel 2417MHz (CDD Mode)	



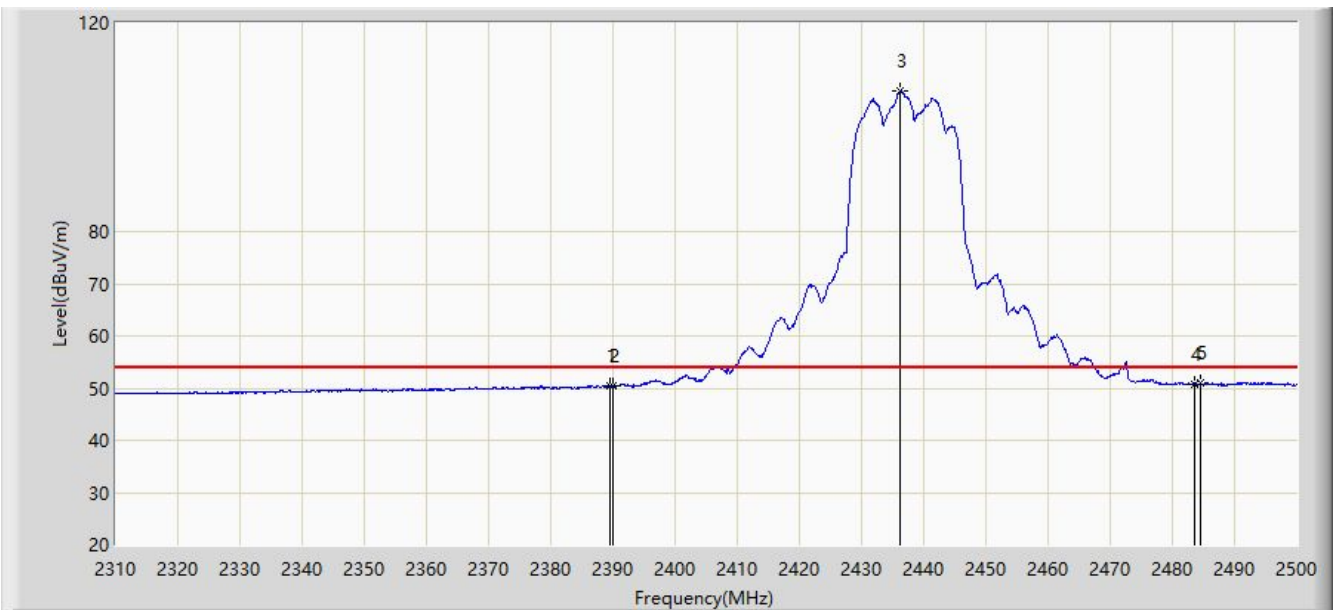
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2389.969	53.890	21.178	-0.110	54.000	32.712	AV
2			2390.000	53.881	21.169	-0.119	54.000	32.712	AV
3		*	2415.008	104.966	72.239	N/A	N/A	32.727	AV

Site: AC1	Time: 2020/08/20 - 17:30
Limit: FCC_Part15_Band Edge(3m)	Engineer: Buter Shi
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: SUBSCRIBER END EQUIPMENT HGW	Power: AC 120V/60Hz
Note: Transmit by 802.11g at channel 2437MHz (CDD Mode)	



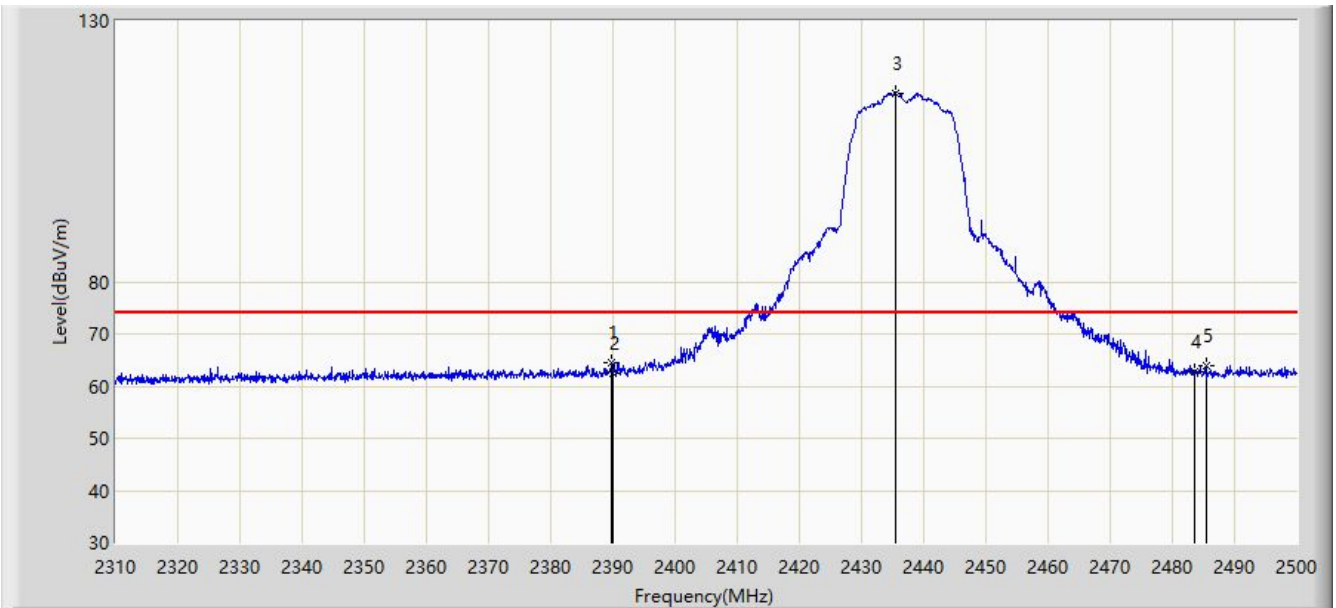
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2388.470	64.270	31.565	-9.730	74.000	32.704	PK
2			2390.000	62.746	30.034	-11.254	74.000	32.712	PK
3		*	2435.970	115.824	83.071	N/A	N/A	32.753	PK
4			2483.500	62.790	30.140	-11.210	74.000	32.651	PK
5			2490.500	64.758	32.142	-9.242	74.000	32.616	PK

Site: AC1	Time: 2020/08/20 - 17:35
Limit: FCC_Part15_Band Edge(3m)	Engineer: Buter Shi
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: SUBSCRIBER END EQUIPMENT HGW	Power: AC 120V/60Hz
Note: Transmit by 802.11g at channel 2437MHz (CDD Mode)	



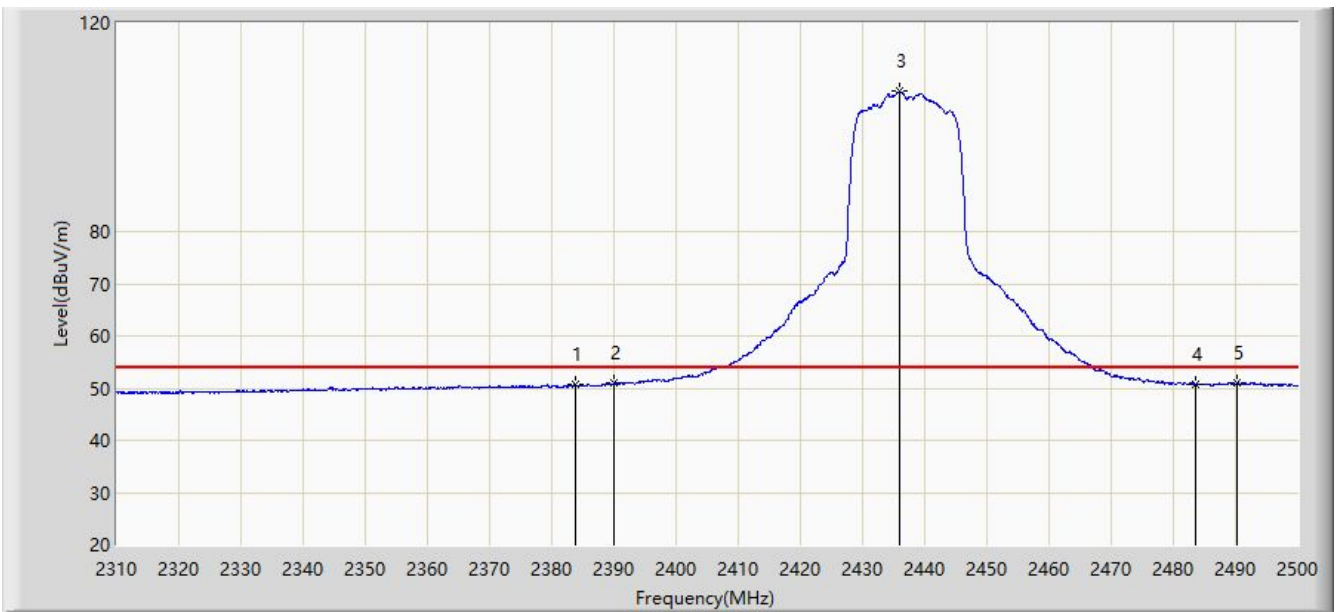
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2389.610	50.543	17.833	-3.457	54.000	32.710	AV
2			2390.000	50.331	17.619	-3.669	54.000	32.712	AV
3		*	2436.255	106.850	74.097	N/A	N/A	32.753	AV
4			2483.500	50.629	17.979	-3.371	54.000	32.651	AV
5			2484.515	50.904	18.262	-3.096	54.000	32.641	AV

Site: AC1	Time: 2020/08/20 - 17:37
Limit: FCC_Part15_Band Edge(3m)	Engineer: Buter Shi
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: SUBSCRIBER END EQUIPMENT HGW	Power: AC 120V/60Hz
Note: Transmit by 802.11g at channel 2437MHz (CDD Mode)	



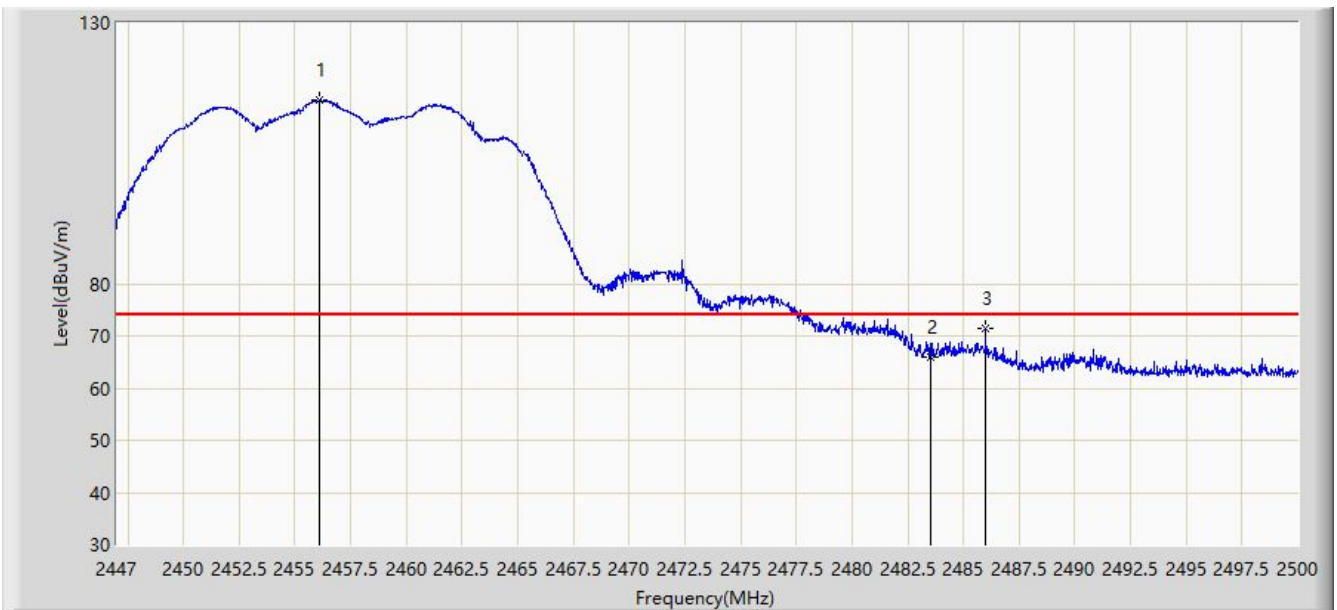
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2389.800	64.473	31.762	-9.527	74.000	32.711	PK
2			2390.000	62.462	29.750	-11.538	74.000	32.712	PK
3		*	2435.495	116.219	83.465	N/A	N/A	32.754	PK
4			2483.500	62.663	30.013	-11.337	74.000	32.651	PK
5			2485.370	64.047	31.413	-9.953	74.000	32.634	PK

Site: AC1	Time: 2020/08/20 - 17:40
Limit: FCC_Part15_Band Edge(3m)	Engineer: Buter Shi
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: SUBSCRIBER END EQUIPMENT HGW	Power: AC 120V/60Hz
Note: Transmit by 802.11g at channel 2437MHz (CDD Mode)	



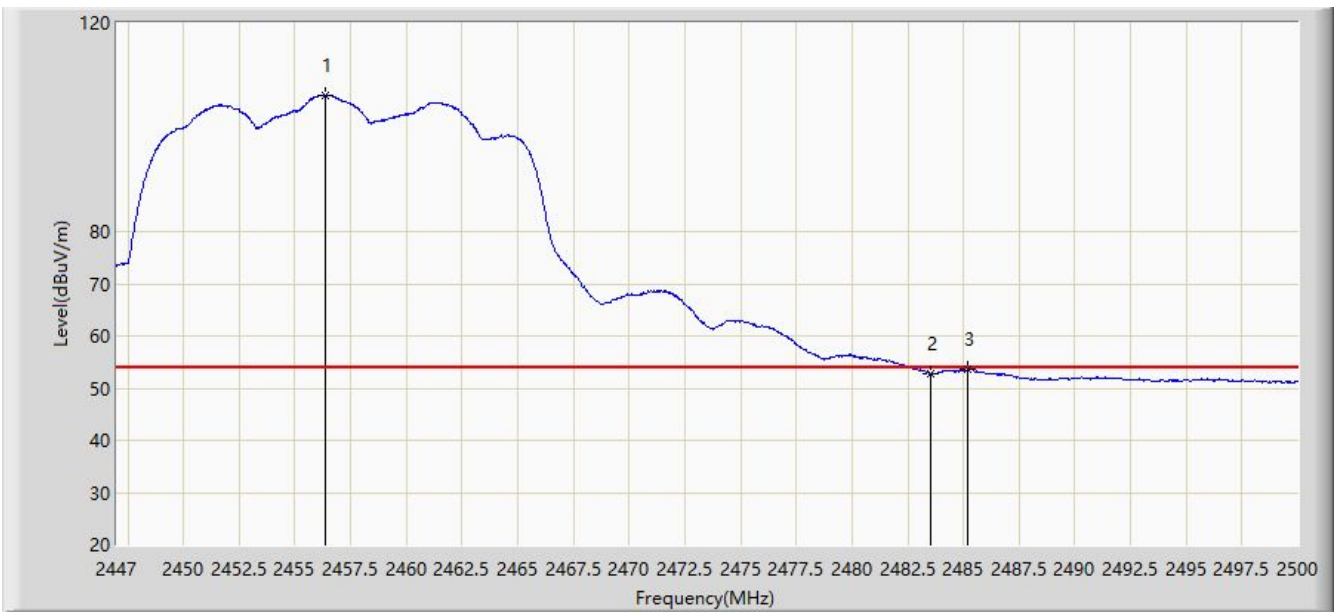
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2383.720	50.804	18.121	-3.196	54.000	32.683	AV
2			2390.000	50.875	18.163	-3.125	54.000	32.712	AV
3		*	2435.970	106.843	74.090	N/A	N/A	32.753	AV
4			2483.500	50.790	18.140	-3.210	54.000	32.651	AV
5			2490.215	51.060	18.444	-2.940	54.000	32.616	AV

Site: AC1	Time: 2020/08/20 - 17:54
Limit: FCC_Part15_Band Edge(3m)	Engineer: Buter Shi
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: SUBSCRIBER END EQUIPMENT HGW	Power: AC 120V/60Hz
Note: Transmit by 802.11g at channel 2457MHz (CDD Mode)	



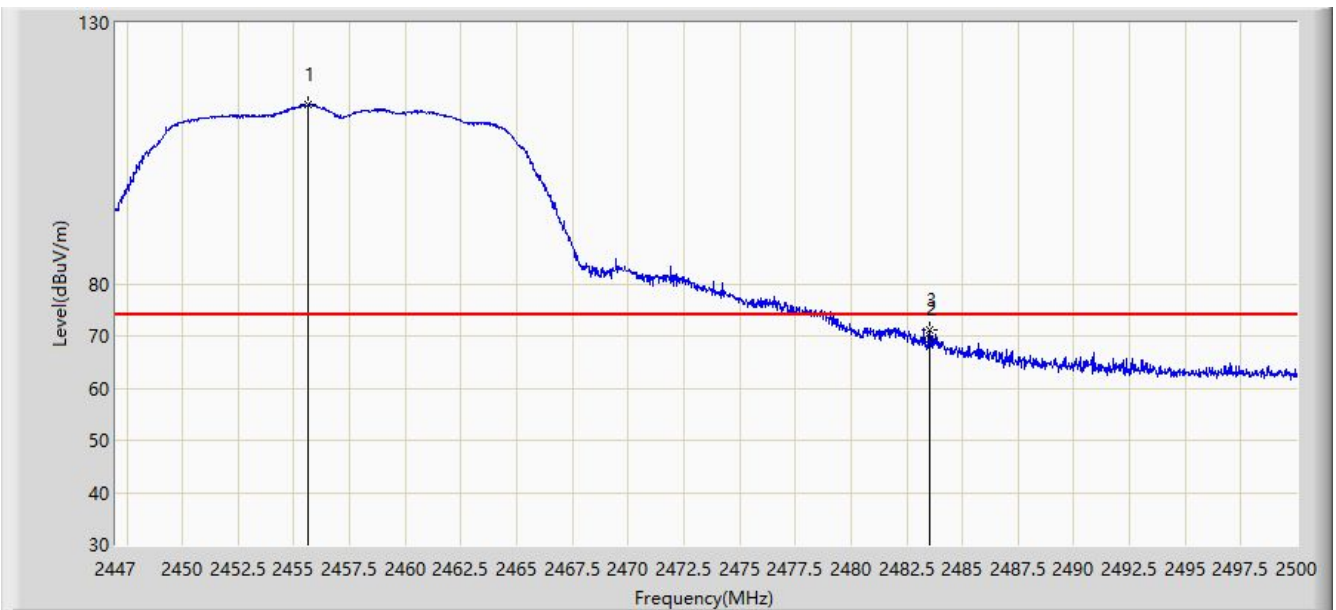
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2456.090	115.197	82.461	N/A	N/A	32.736	PK
2			2483.500	66.034	33.384	-7.966	74.000	32.651	PK
3			2485.981	71.352	38.723	-2.648	74.000	32.629	PK

Site: AC1	Time: 2020/08/20 - 17:56
Limit: FCC_Part15_Band Edge(3m)	Engineer: Buter Shi
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: SUBSCRIBER END EQUIPMENT HGW	Power: AC 120V/60Hz
Note: Transmit by 802.11g at channel 2457MHz (CDD Mode)	



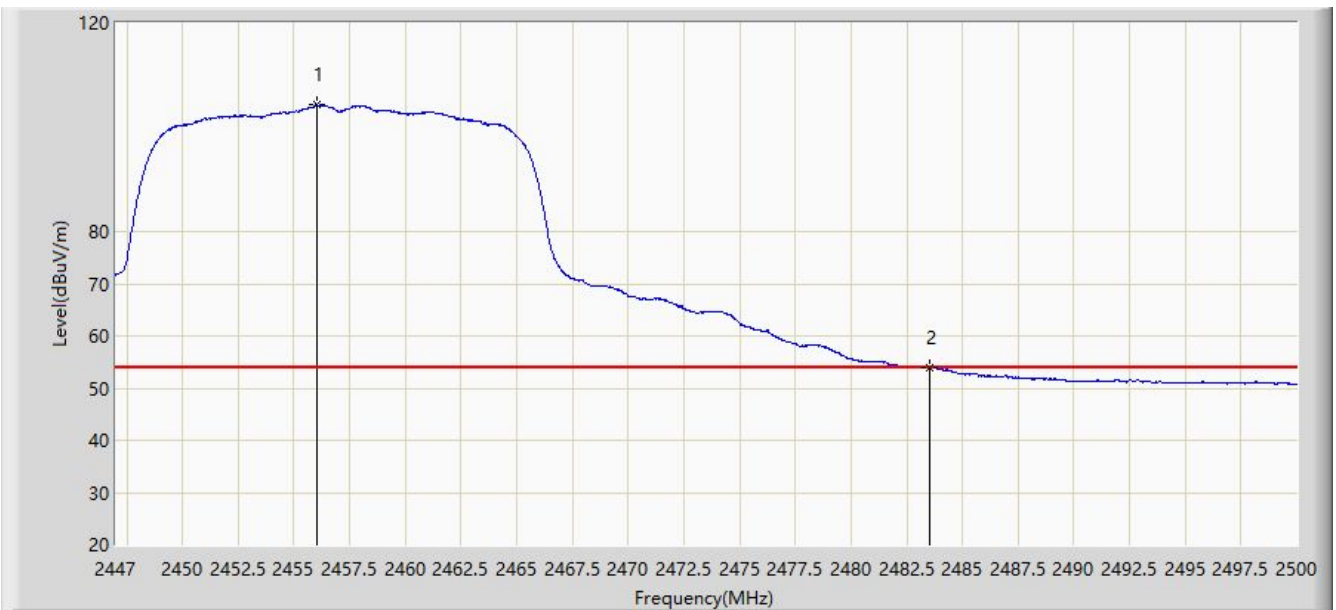
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2456.381	106.185	73.448	N/A	N/A	32.736	AV
2			2483.500	52.732	20.082	-1.268	54.000	32.651	AV
3			2485.187	53.608	20.972	-0.392	54.000	32.635	AV

Site: AC1	Time: 2020/08/20 - 17:57
Limit: FCC_Part15_Band Edge(3m)	Engineer: Buter Shi
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: SUBSCRIBER END EQUIPMENT HGW	Power: AC 120V/60Hz
Note: Transmit by 802.11g at channel 2457MHz (CDD Mode)	



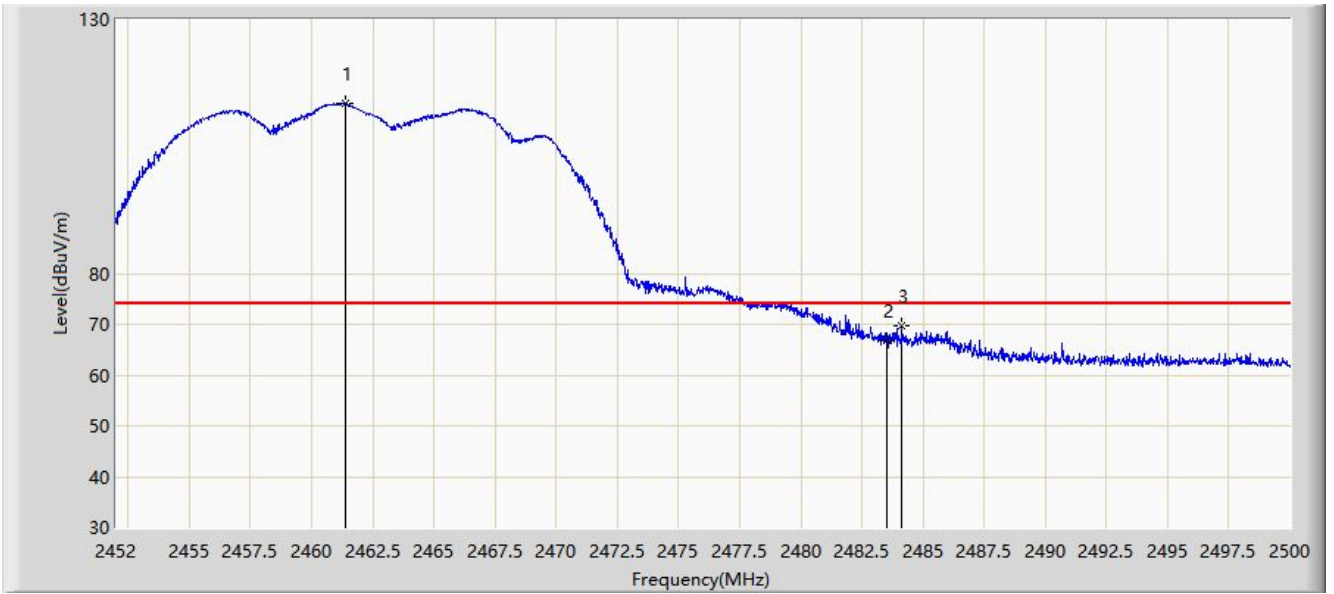
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2455.639	114.329	81.595	N/A	N/A	32.734	PK
2			2483.500	69.378	36.728	-4.622	74.000	32.651	PK
3			2483.517	71.228	38.578	-2.772	74.000	32.651	PK

Site: AC1	Time: 2020/08/20 - 17:52
Limit: FCC_Part15_Band Edge(3m)	Engineer: Buter Shi
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: SUBSCRIBER END EQUIPMENT HGW	Power: AC 120V/60Hz
Note: Transmit by 802.11g at channel 2457MHz (CDD Mode)	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2456.037	104.325	71.590	N/A	N/A	32.736	AV
2			2483.500	53.937	21.287	-0.063	54.000	32.651	AV

Site: AC1	Time: 2020/08/07 - 02:05
Limit: FCC_Part15.209_RE (3m)	Engineer: Dillon Diao
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: SUBSCRIBER END EQUIPMENT HGW	Power: AC 120V/60Hz
Note: Transmit by 802.11g at channel 2462MHz (CDD Mode)	

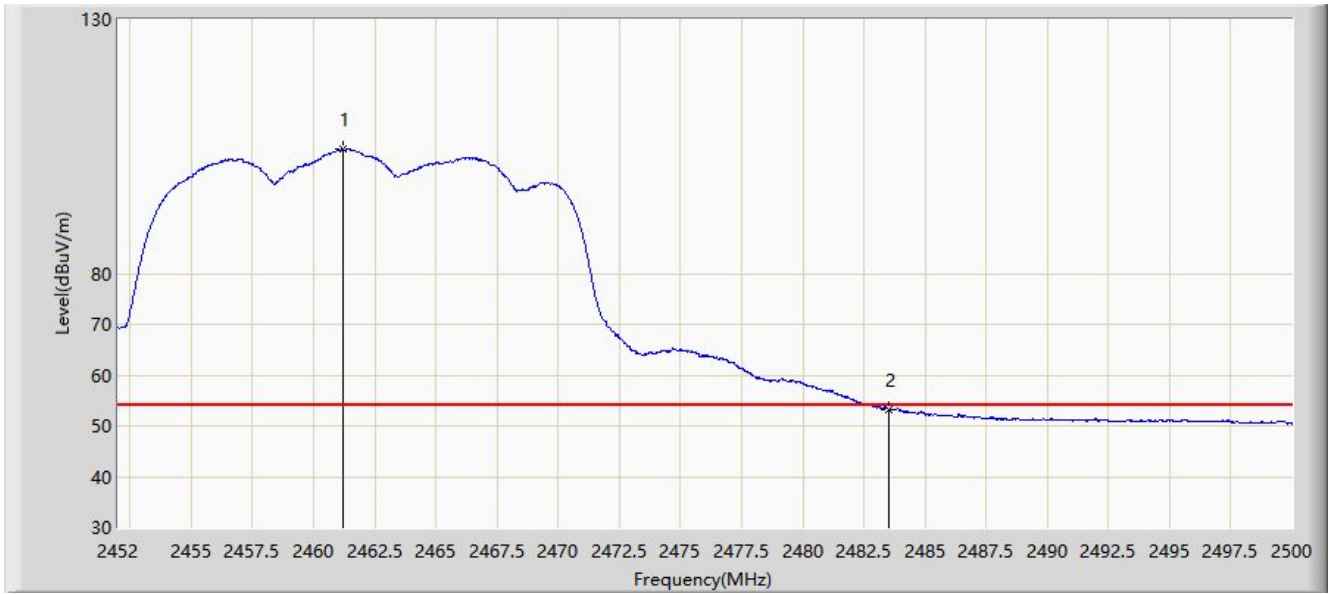


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2461.384	113.438	80.683	N/A	N/A	32.754	PK
2			2483.500	66.787	34.137	-7.213	74.000	32.651	PK
3			2484.136	69.610	36.965	-4.390	74.000	32.645	PK

Note: Measure Level (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2020/08/07 - 02:02
Limit: FCC_Part15.209_RE (3m)	Engineer: Dillon Diao
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: SUBSCRIBER END EQUIPMENT HGW	Power: AC 120V/60Hz
Note: Transmit by 802.11g at channel 2462MHz (CDD Mode)	

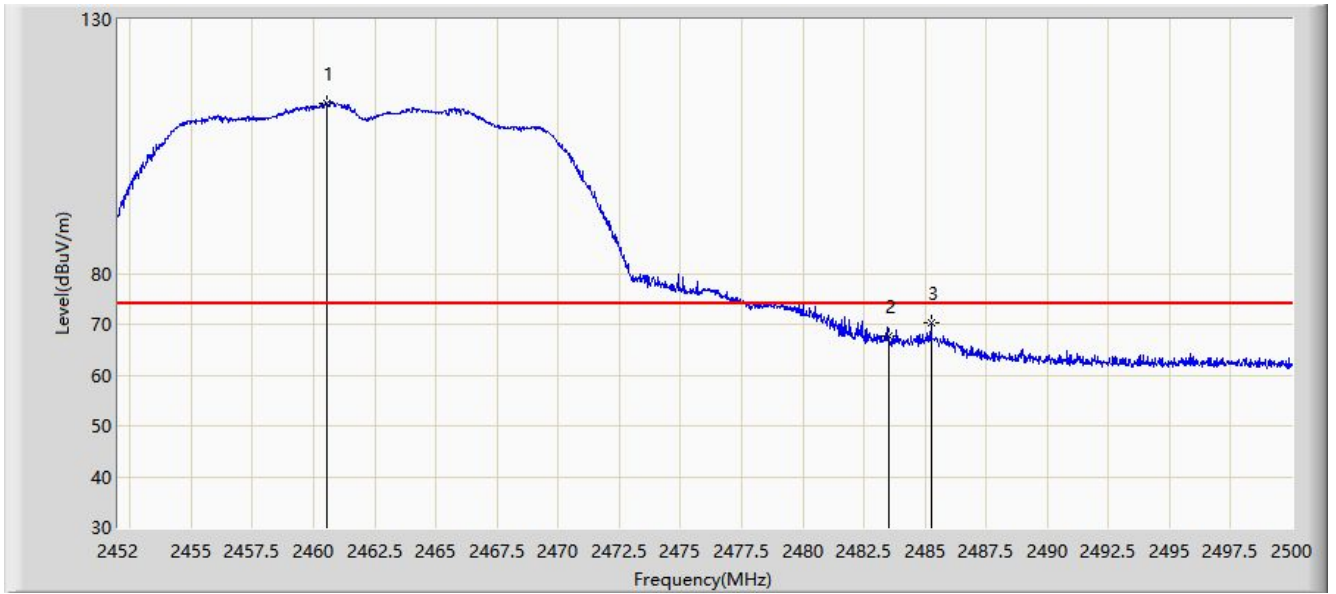


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2461.216	104.389	71.635	N/A	N/A	32.754	AV
2			2483.500	53.288	20.638	-0.712	54.000	32.651	AV

Note: Measure Level (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2020/08/07 - 02:08
Limit: FCC_Part15.209_RE (3m)	Engineer: Dillon Diao
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: SUBSCRIBER END EQUIPMENT HGW	Power: AC 120V/60Hz
Note: Transmit by 802.11g at channel 2462MHz (CDD Mode)	

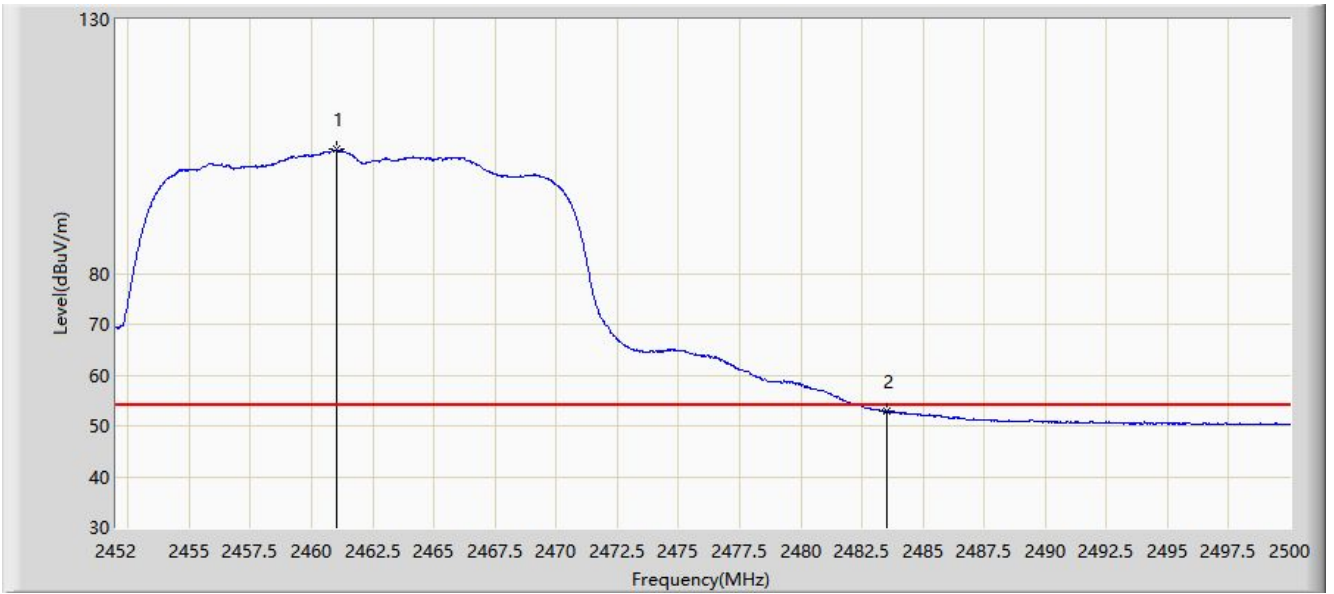


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2460.520	113.461	80.710	N/A	N/A	32.751	PK
2			2483.500	67.623	34.973	-6.377	74.000	32.651	PK
3			2485.240	70.252	37.617	-3.748	74.000	32.635	PK

Note: Measure Level (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2020/08/07 - 02:10
Limit: FCC_Part15.209_RE (3m)	Engineer: Dillon Diao
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: SUBSCRIBER END EQUIPMENT HGW	Power: AC 120V/60Hz
Note: Transmit by 802.11g at channel 2462MHz (CDD Mode)	

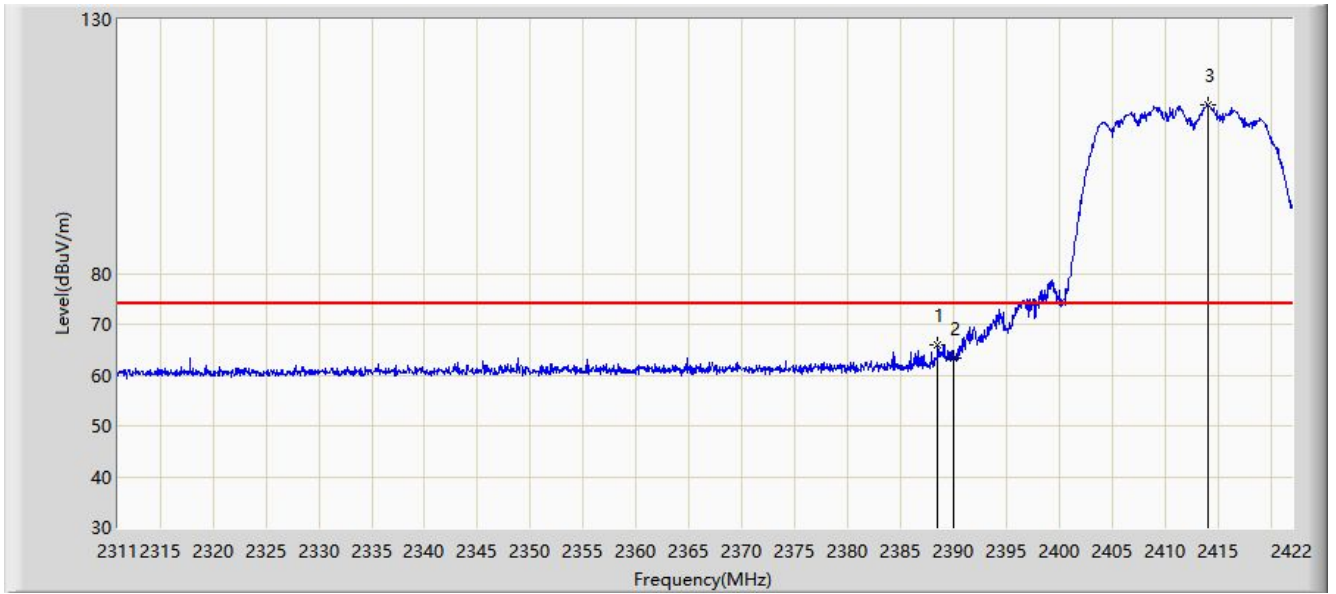


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2461.000	104.388	71.635	N/A	N/A	32.753	AV
2			2483.500	52.923	20.273	-1.077	54.000	32.651	AV

Note: Measure Level (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2020/08/07 - 02:35
Limit: FCC_Part15.209_RE (3m)	Engineer: Dillon Diao
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: SUBSCRIBER END EQUIPMENT HGW	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT20 at channel 2412MHz (CDD Mode)	

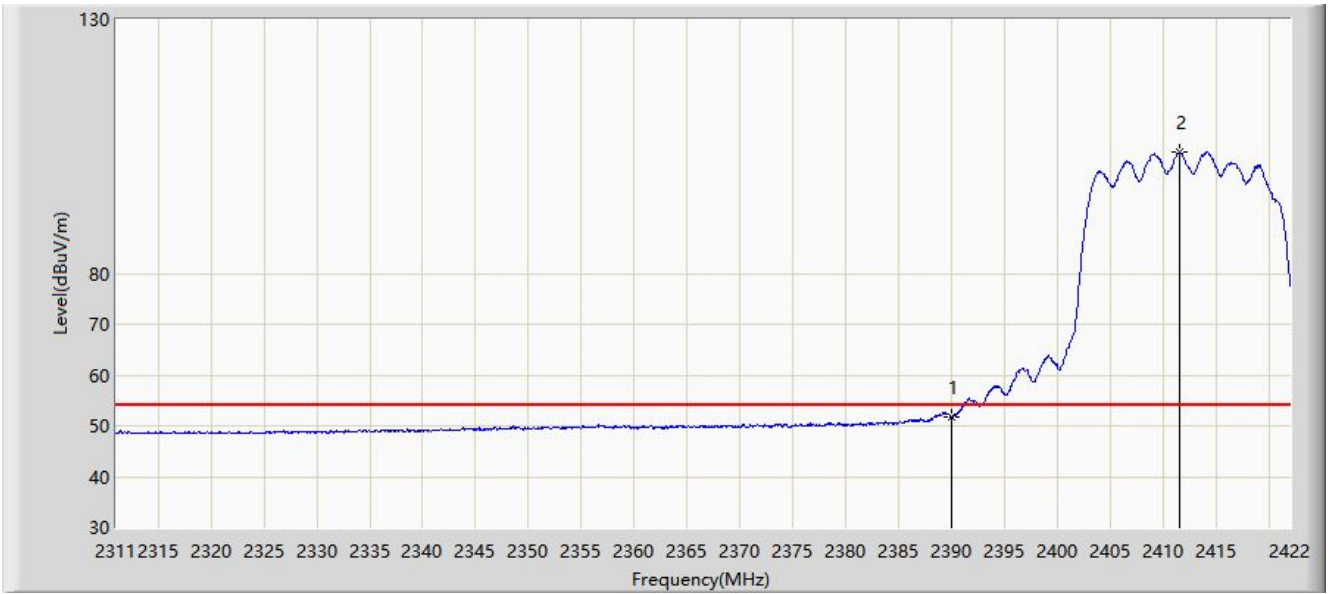


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2388.533	66.014	33.309	-7.986	74.000	32.705	PK
2			2390.000	63.301	30.589	-10.699	74.000	32.712	PK
3		*	2414.008	113.084	80.356	N/A	N/A	32.728	PK

Note: Measure Level (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2020/08/07 - 02:36
Limit: FCC_Part15.209_RE (3m)	Engineer: Dillon Diao
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: SUBSCRIBER END EQUIPMENT HGW	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT20 at channel 2412MHz (CDD Mode)	

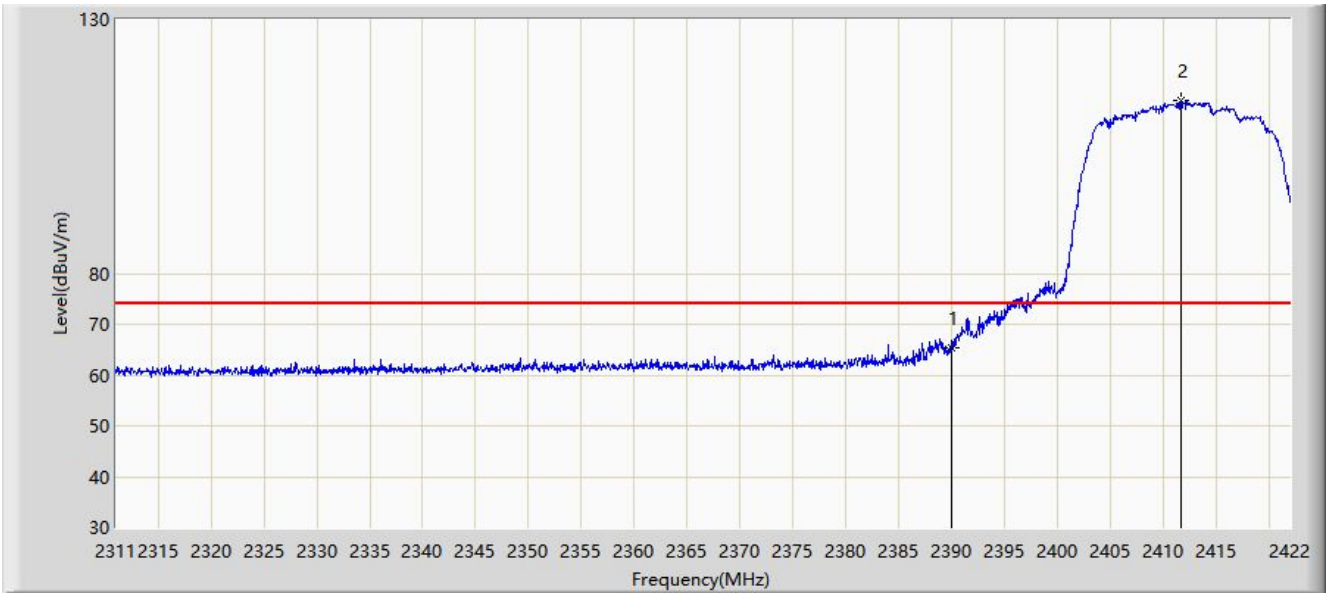


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	51.758	19.046	-2.242	54.000	32.712	AV
2		*	2411.566	103.842	71.112	N/A	N/A	32.730	AV

Note: Measure Level (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2020/08/07 - 02:34
Limit: FCC_Part15.209_RE (3m)	Engineer: Dillon Diao
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: SUBSCRIBER END EQUIPMENT HGW	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT20 at channel 2412MHz (CDD Mode)	

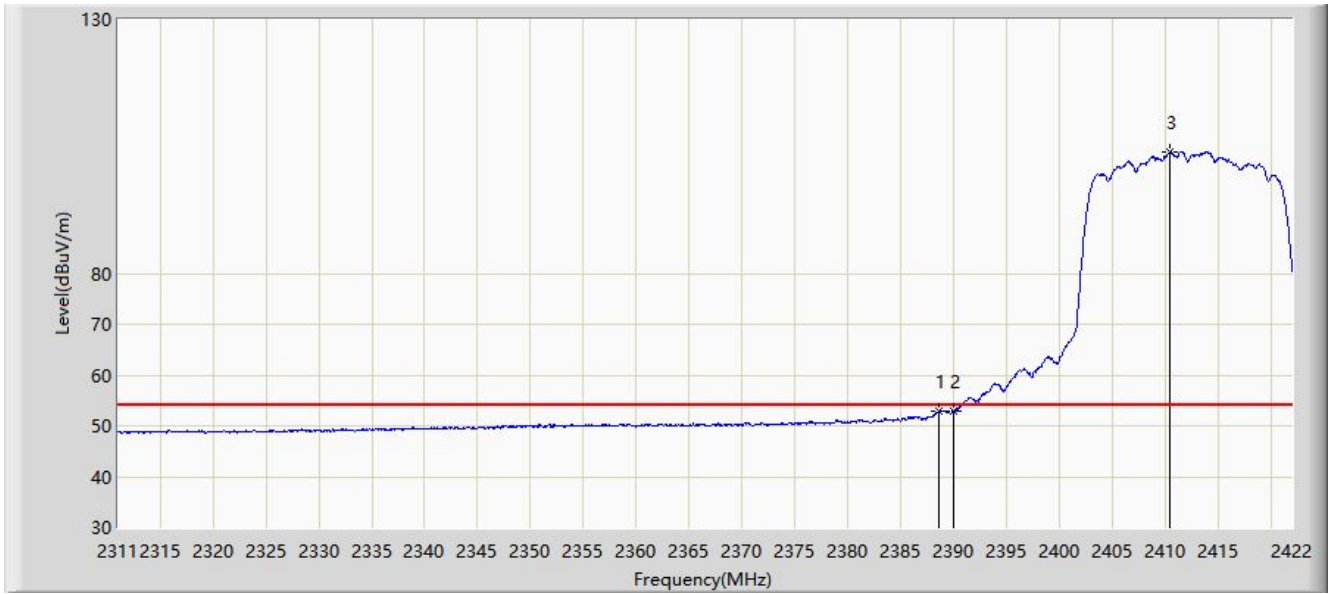


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	65.461	32.749	-8.539	74.000	32.712	PK
2		*	2411.732	114.055	81.325	N/A	N/A	32.730	PK

Note: Measure Level (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2020/08/07 - 02:33
Limit: FCC_Part15.209_RE (3m)	Engineer: Dillon Diao
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: SUBSCRIBER END EQUIPMENT HGW	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT20 at channel 2412MHz (CDD Mode)	

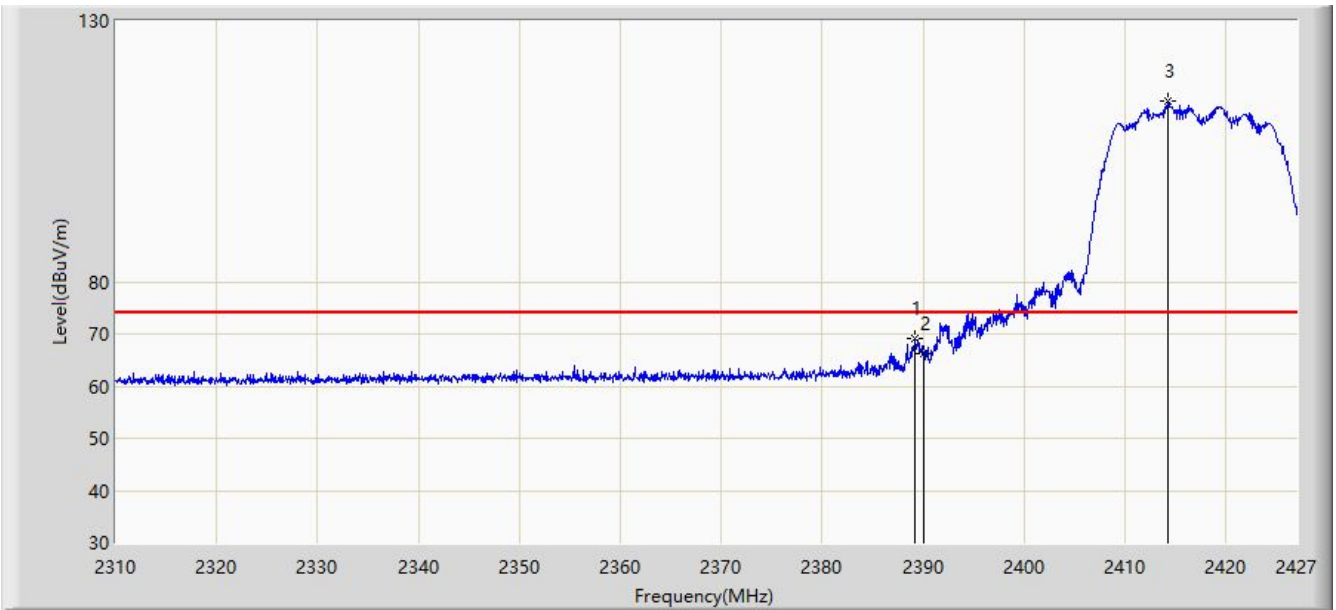


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2388.645	52.835	20.129	-1.165	54.000	32.706	AV
2			2390.000	52.810	20.098	-1.190	54.000	32.712	AV
3		*	2410.456	103.950	71.218	N/A	N/A	32.732	AV

Note: Measure Level (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

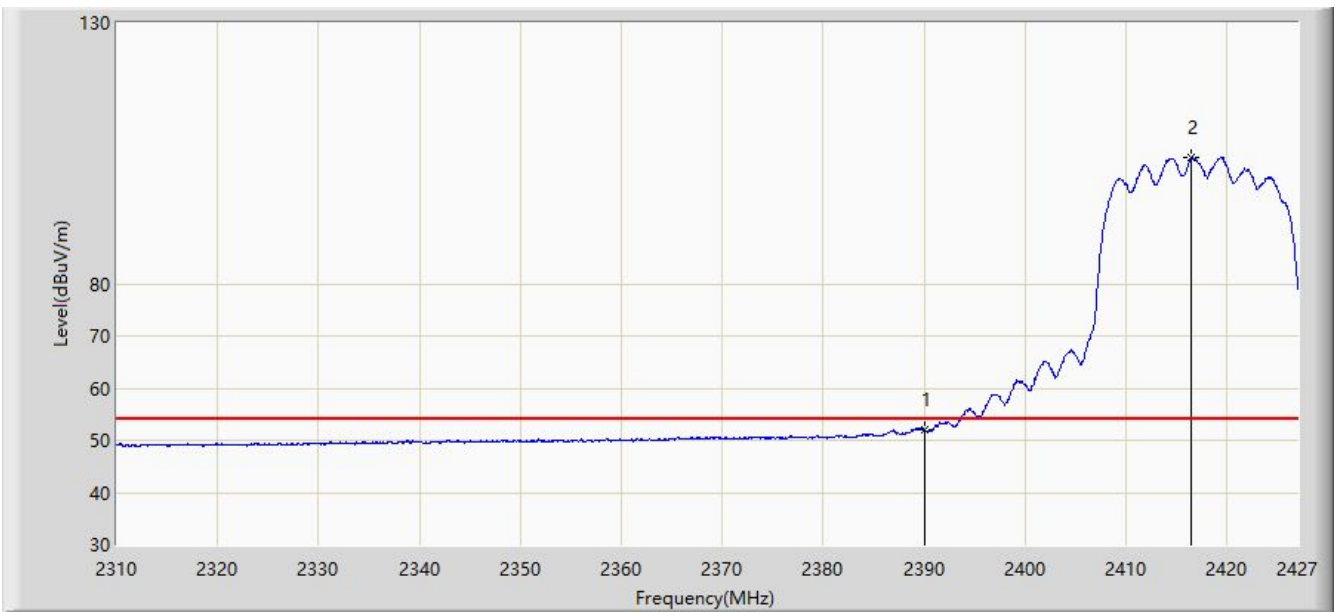
Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2020/08/20 - 18:57
Limit: FCC_Part15_Band Edge(3m)	Engineer: Buter Shi
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: SUBSCRIBER END EQUIPMENT HGW	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT20 at channel 2417MHz (CDD Mode)	



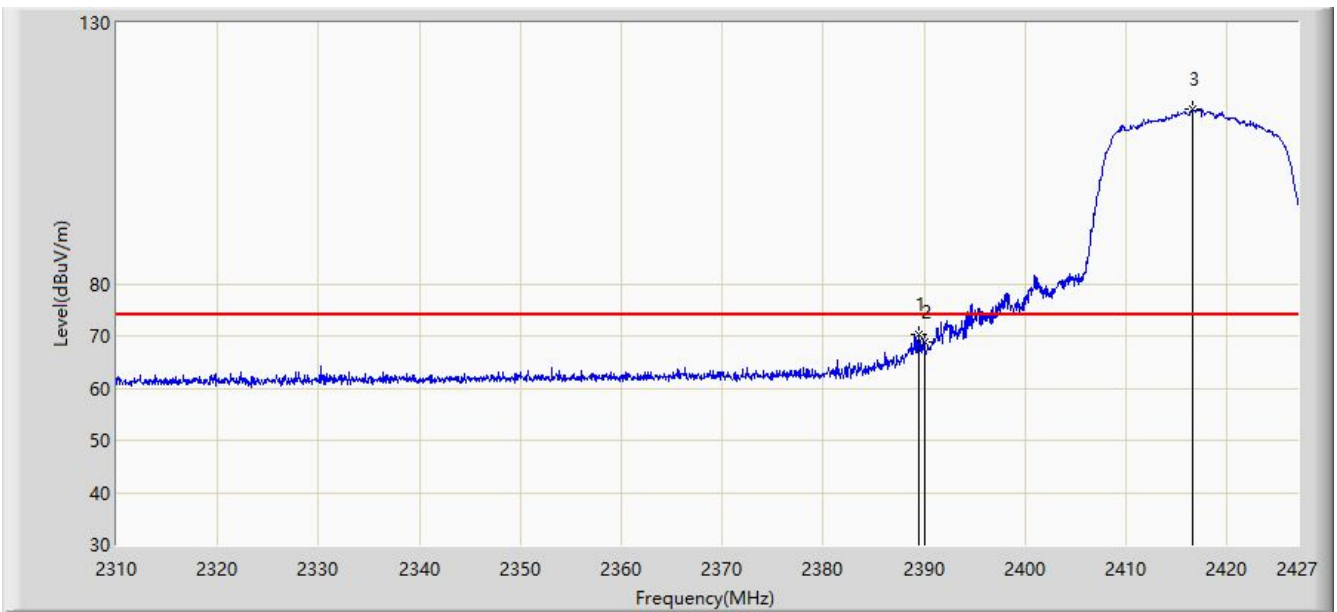
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2389.209	68.991	36.283	-5.009	74.000	32.708	PK
2			2390.000	66.272	33.560	-7.728	74.000	32.712	PK
3		*	2414.247	114.530	81.802	N/A	N/A	32.728	PK

Site: AC1	Time: 2020/08/20 - 18:58
Limit: FCC_Part15_Band Edge(3m)	Engineer: Buter Shi
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: SUBSCRIBER END EQUIPMENT HGW	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT20 at channel 2417MHz (CDD Mode)	



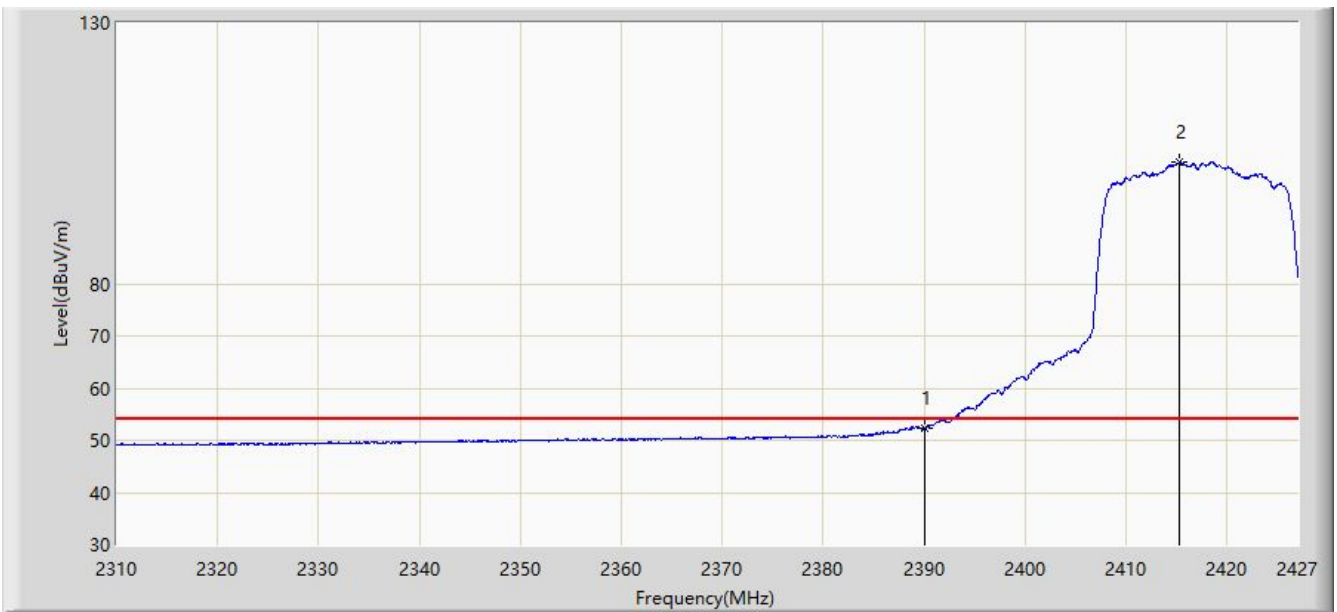
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	52.170	19.458	-1.830	54.000	32.712	AV
2		*	2416.470	104.146	71.418	N/A	N/A	32.727	AV

Site: AC1	Time: 2020/08/20 - 18:56
Limit: FCC_Part15_Band Edge(3m)	Engineer: Buter Shi
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: SUBSCRIBER END EQUIPMENT HGW	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT20 at channel 2417MHz (CDD Mode)	



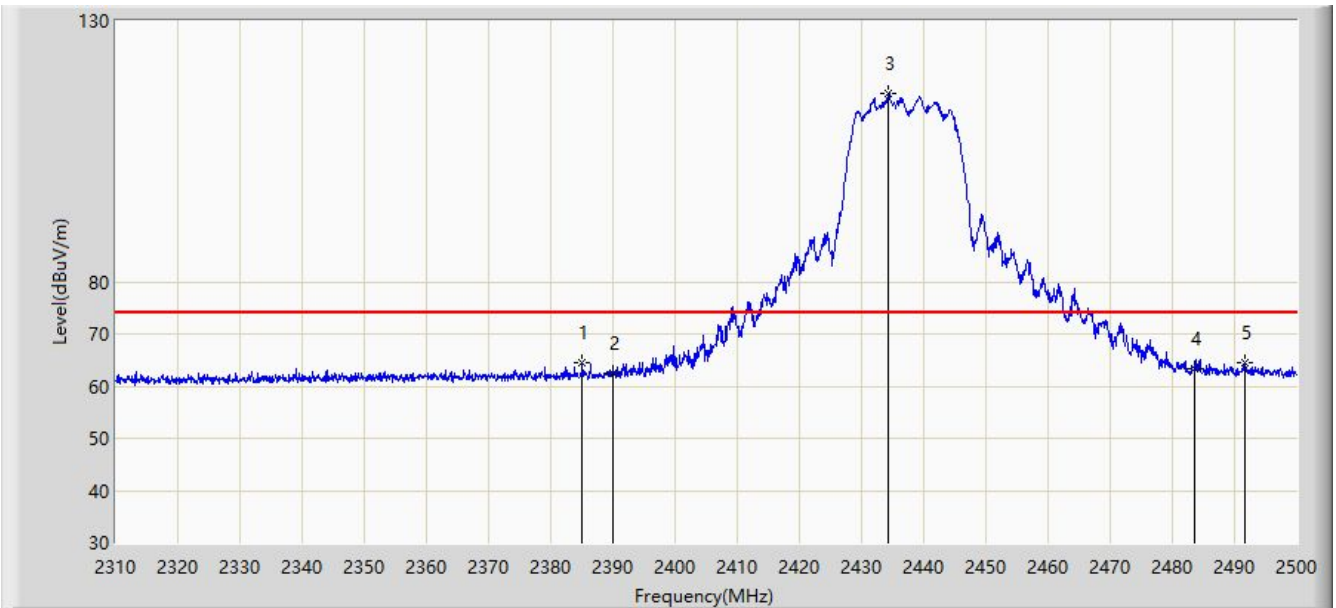
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2389.443	70.274	37.565	-3.726	74.000	32.709	PK
2			2390.000	68.707	35.995	-5.293	74.000	32.712	PK
3		*	2416.646	113.409	80.681	N/A	N/A	32.728	PK

Site: AC1	Time: 2020/08/20 - 18:55
Limit: FCC_Part15_Band Edge(3m)	Engineer: Buter Shi
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: SUBSCRIBER END EQUIPMENT HGW	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT20 at channel 2417MHz (CDD Mode)	



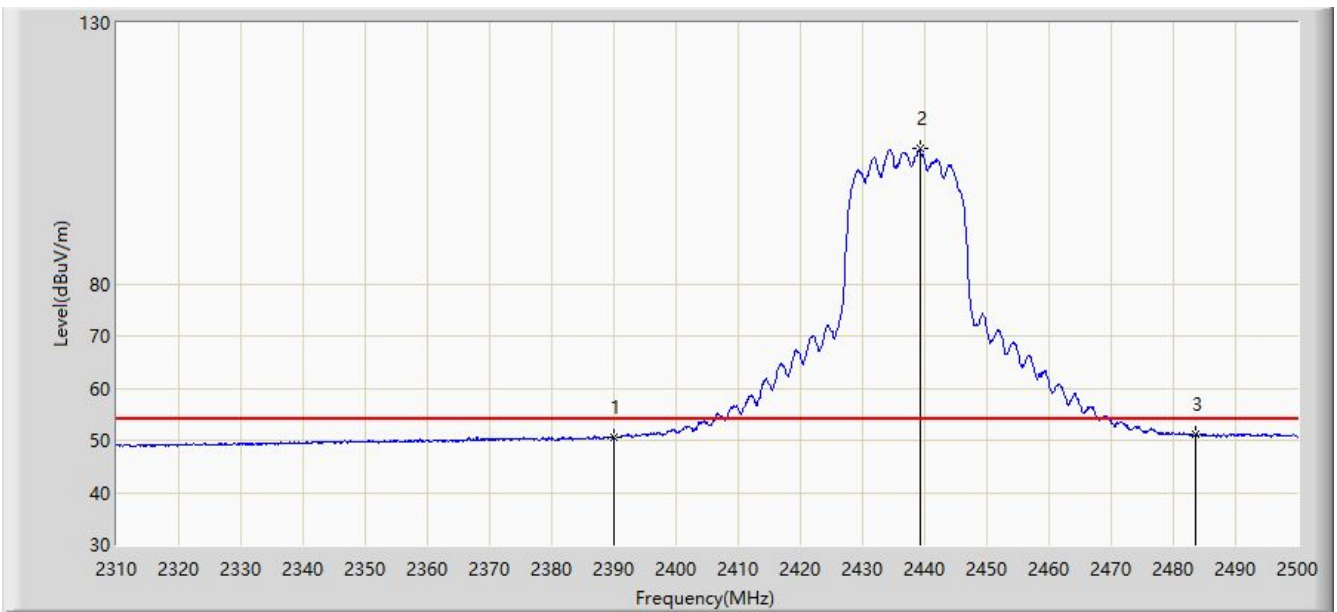
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	52.194	19.482	-1.806	54.000	32.712	AV
2		*	2415.300	103.219	70.492	N/A	N/A	32.727	AV

Site: AC1	Time: 2020/08/20 - 19:01
Limit: FCC_Part15_Band Edge(3m)	Engineer: Buter Shi
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: SUBSCRIBER END EQUIPMENT HGW	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT20 at channel 2437MHz (CDD Mode)	



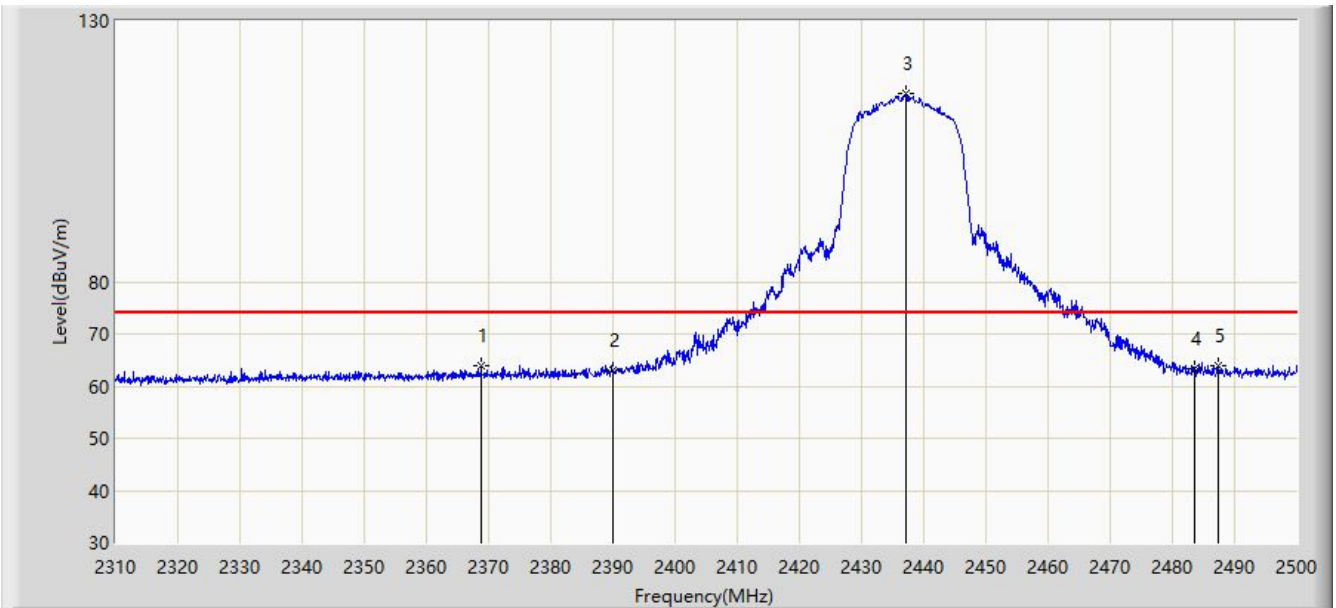
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2385.050	64.425	31.736	-9.575	74.000	32.689	PK
2			2390.000	62.363	29.651	-11.637	74.000	32.712	PK
3		*	2434.355	116.226	83.470	N/A	N/A	32.756	PK
4			2483.500	63.313	30.663	-10.687	74.000	32.651	PK
5			2491.640	64.353	31.736	-9.647	74.000	32.616	PK

Site: AC1	Time: 2020/08/20 - 19:03
Limit: FCC_Part15_Band Edge(3m)	Engineer: Buter Shi
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: SUBSCRIBER END EQUIPMENT HGW	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT20 at channel 2437MHz (CDD Mode)	



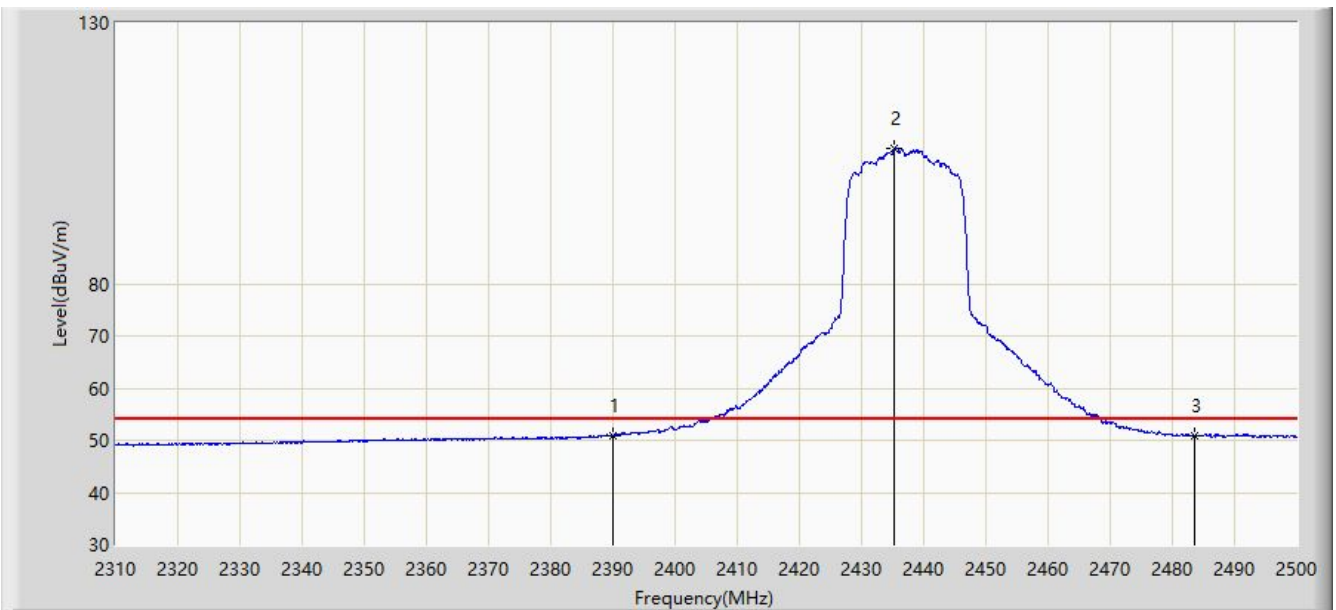
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	50.525	17.813	-3.475	54.000	32.712	AV
2		*	2439.295	106.040	73.293	N/A	N/A	32.747	AV
3			2483.500	51.111	18.461	-2.889	54.000	32.651	AV

Site: AC1	Time: 2020/08/20 - 19:04
Limit: FCC_Part15_Band Edge(3m)	Engineer: Buter Shi
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: SUBSCRIBER END EQUIPMENT HGW	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT20 at channel 2437MHz (CDD Mode)	



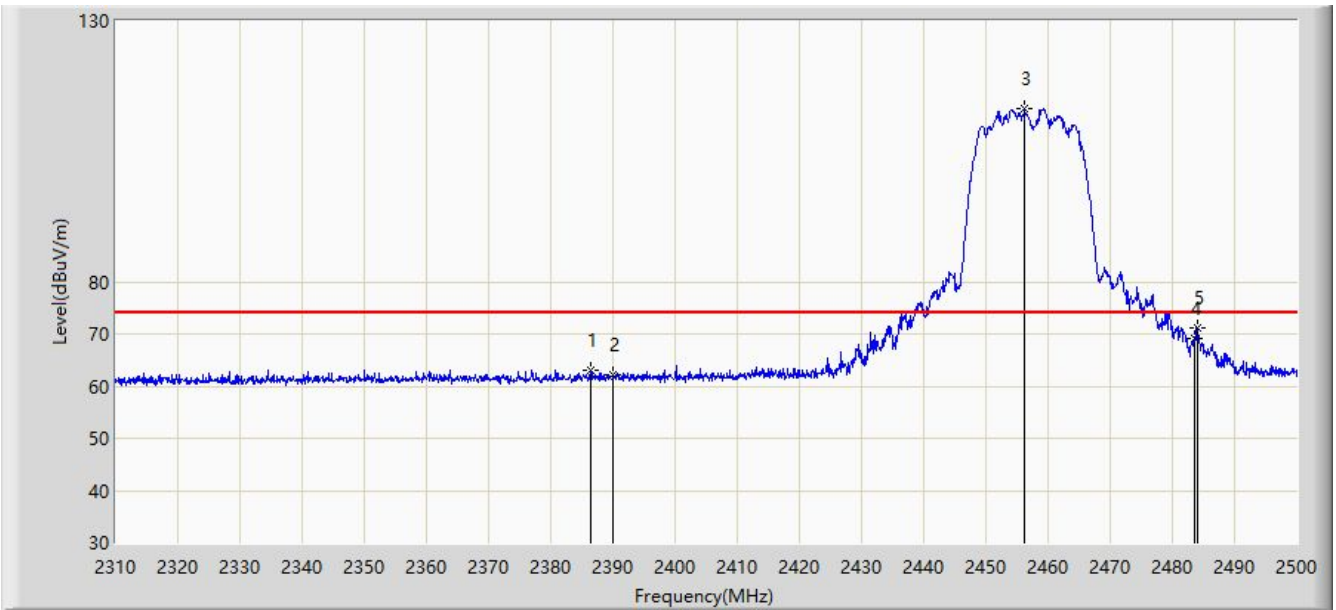
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2368.805	63.974	31.253	-10.026	74.000	32.721	PK
2			2390.000	63.037	30.325	-10.963	74.000	32.712	PK
3		*	2437.110	116.007	83.256	N/A	N/A	32.751	PK
4			2483.500	63.419	30.769	-10.581	74.000	32.651	PK
5			2487.460	63.888	31.272	-10.112	74.000	32.616	PK

Site: AC1	Time: 2020/08/20 - 19:06
Limit: FCC_Part15_Band Edge(3m)	Engineer: Buter Shi
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: SUBSCRIBER END EQUIPMENT HGW	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT20 at channel 2437MHz (CDD Mode)	



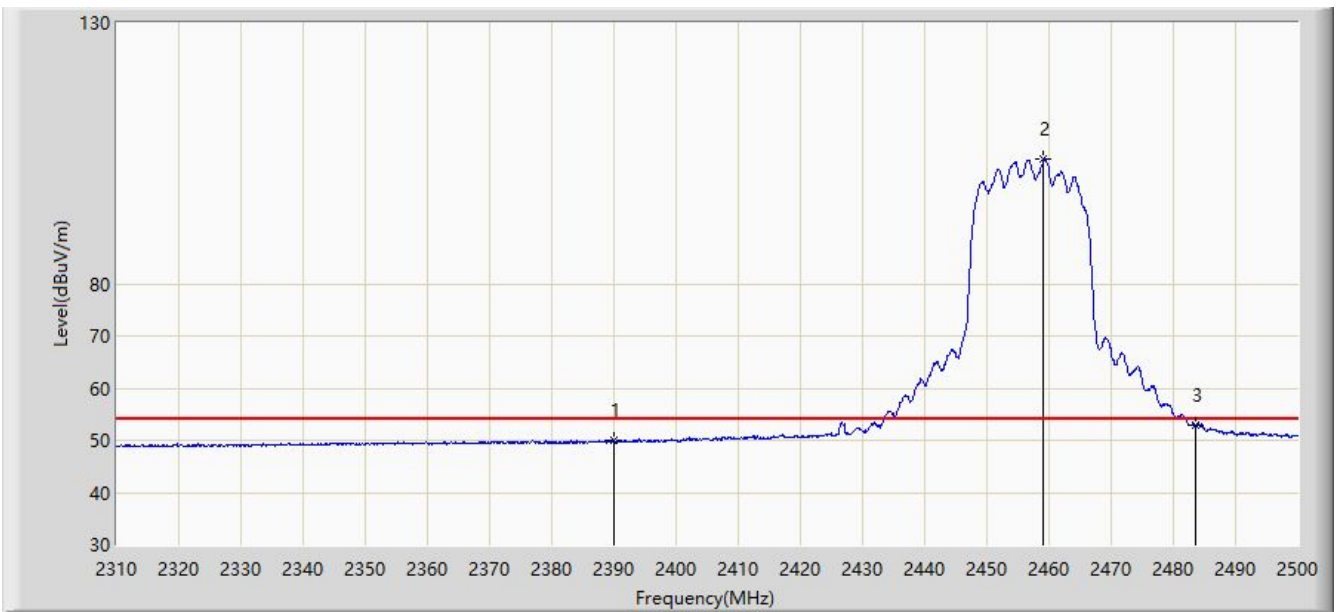
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	50.841	18.129	-3.159	54.000	32.712	AV
2		*	2435.305	106.078	73.324	N/A	N/A	32.754	AV
3			2483.500	50.752	18.102	-3.248	54.000	32.651	AV

Site: AC1	Time: 2020/08/20 - 19:20
Limit: FCC_Part15_Band Edge(3m)	Engineer: Buter Shi
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: SUBSCRIBER END EQUIPMENT HGW	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT20 at channel 2457MHz (CDD Mode)	



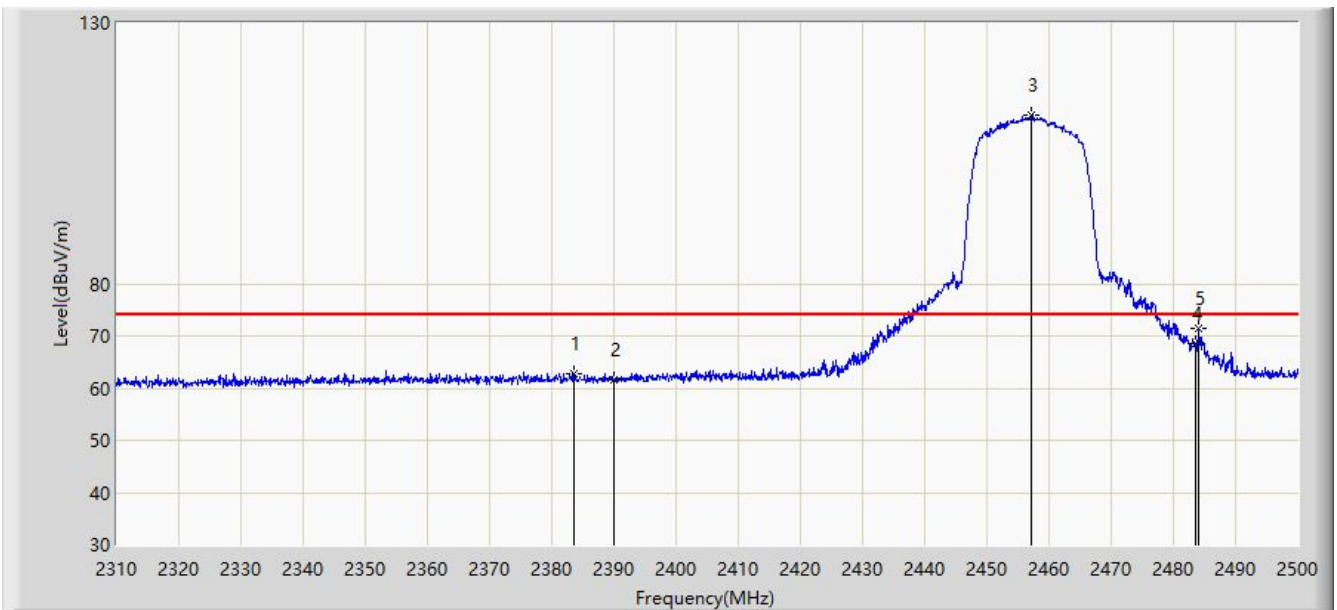
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2386.380	63.171	30.476	-10.829	74.000	32.695	PK
2			2390.000	62.095	29.383	-11.905	74.000	32.712	PK
3		*	2456.300	113.077	80.341	N/A	N/A	32.736	PK
4			2483.500	69.113	36.463	-4.887	74.000	32.651	PK
5			2483.945	71.206	38.560	-2.794	74.000	32.646	PK

Site: AC1	Time: 2020/08/20 - 19:35
Limit: FCC_Part15_Band Edge(3m)	Engineer: Buter Shi
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: SUBSCRIBER END EQUIPMENT HGW	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT20 at channel 2457MHz (CDD Mode)	



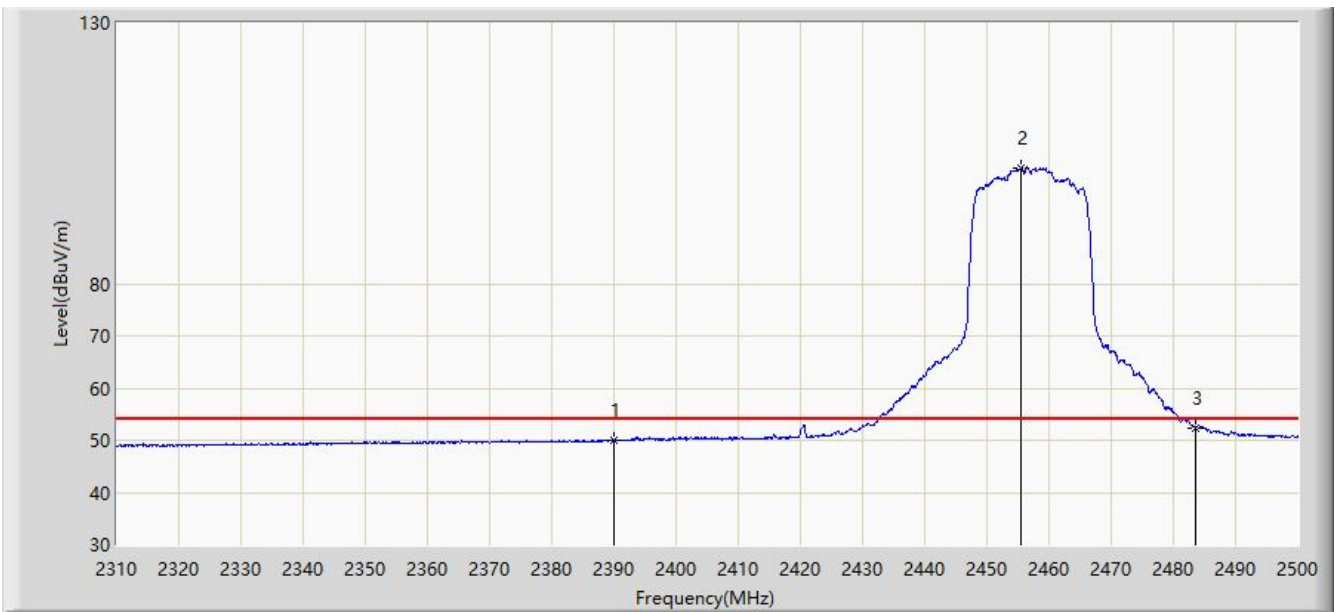
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	49.859	17.147	-4.141	54.000	32.712	AV
2		*	2459.150	103.830	71.083	N/A	N/A	32.747	AV
3			2483.500	52.773	20.123	-1.227	54.000	32.651	AV

Site: AC1	Time: 2020/08/20 - 19:38
Limit: FCC_Part15_Band Edge(3m)	Engineer: Buter Shi
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: SUBSCRIBER END EQUIPMENT HGW	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT20 at channel 2457MHz (CDD Mode)	



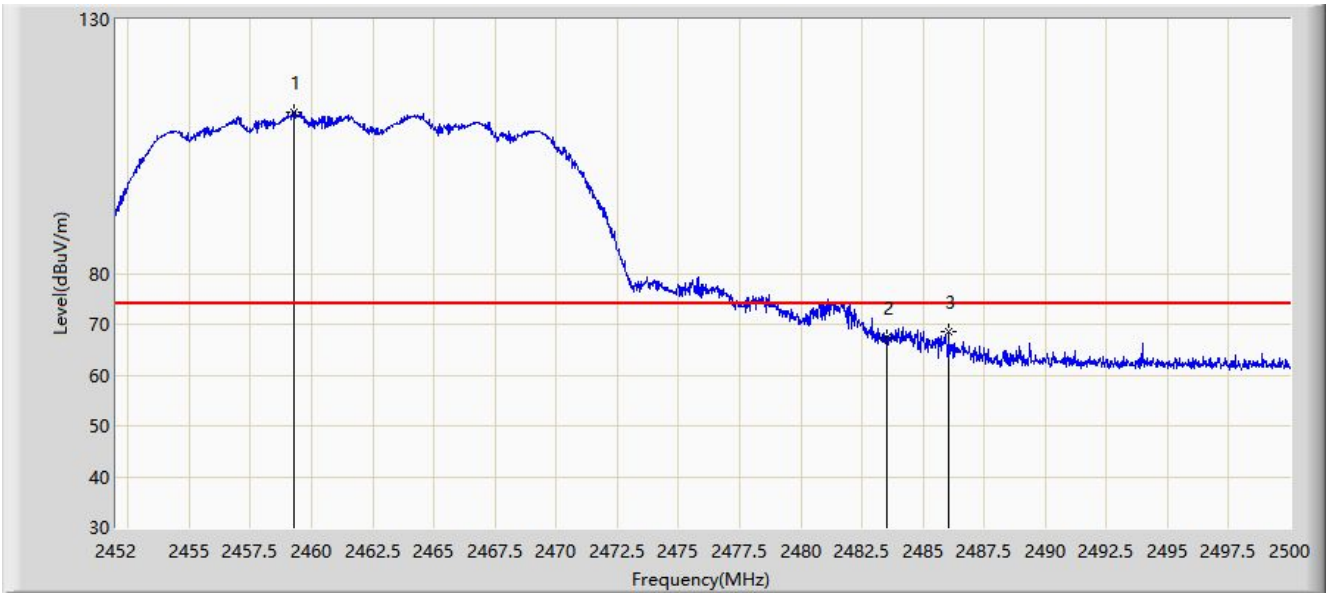
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2383.625	62.833	30.151	-11.167	74.000	32.682	PK
2			2390.000	61.526	28.814	-12.474	74.000	32.712	PK
3		*	2457.250	112.304	79.564	N/A	N/A	32.740	PK
4			2483.500	68.555	35.905	-5.445	74.000	32.651	PK
5			2484.135	71.334	38.689	-2.666	74.000	32.645	PK

Site: AC1	Time: 2020/08/20 - 19:39
Limit: FCC_Part15_Band Edge(3m)	Engineer: Buter Shi
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: SUBSCRIBER END EQUIPMENT HGW	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT20 at channel 2457MHz (CDD Mode)	



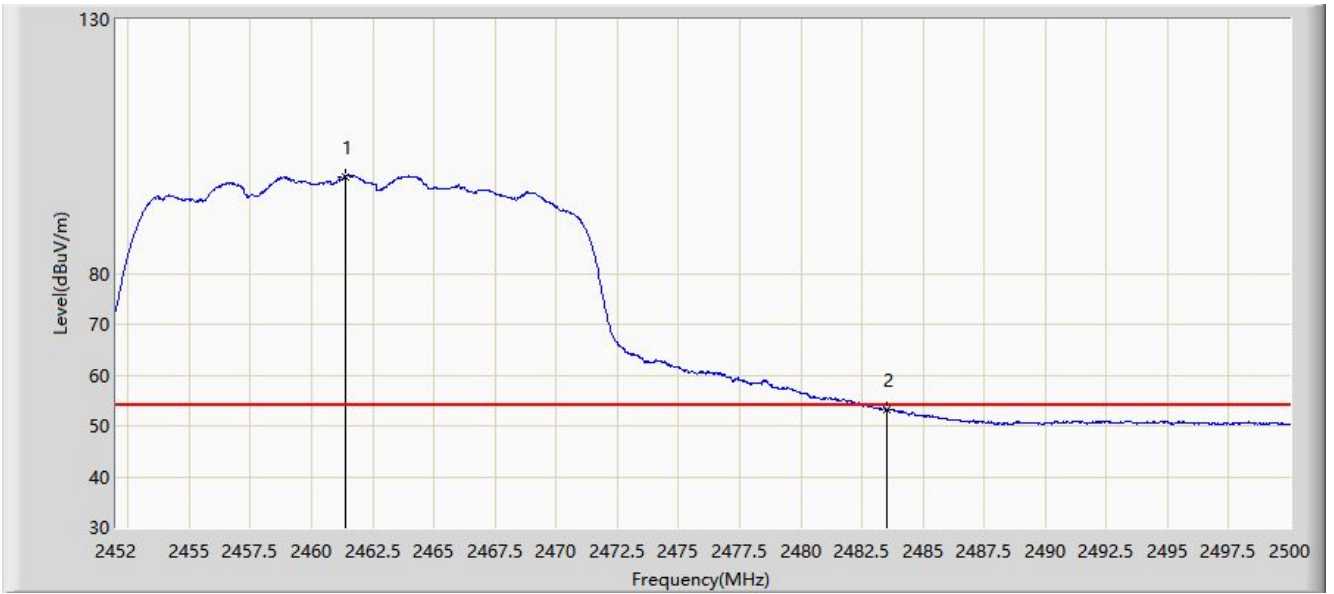
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	50.038	17.326	-3.962	54.000	32.712	AV
2		*	2455.540	102.262	69.528	N/A	N/A	32.734	AV
3			2483.500	52.416	19.766	-1.584	54.000	32.651	AV

Site: AC1	Time: 2020/08/07 - 02:46
Limit: FCC_Part15.209_RE (3m)	Engineer: Dillon Diao
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: SUBSCRIBER END EQUIPMENT HGW	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT20 at channel 2462MHz (CDD Mode)	



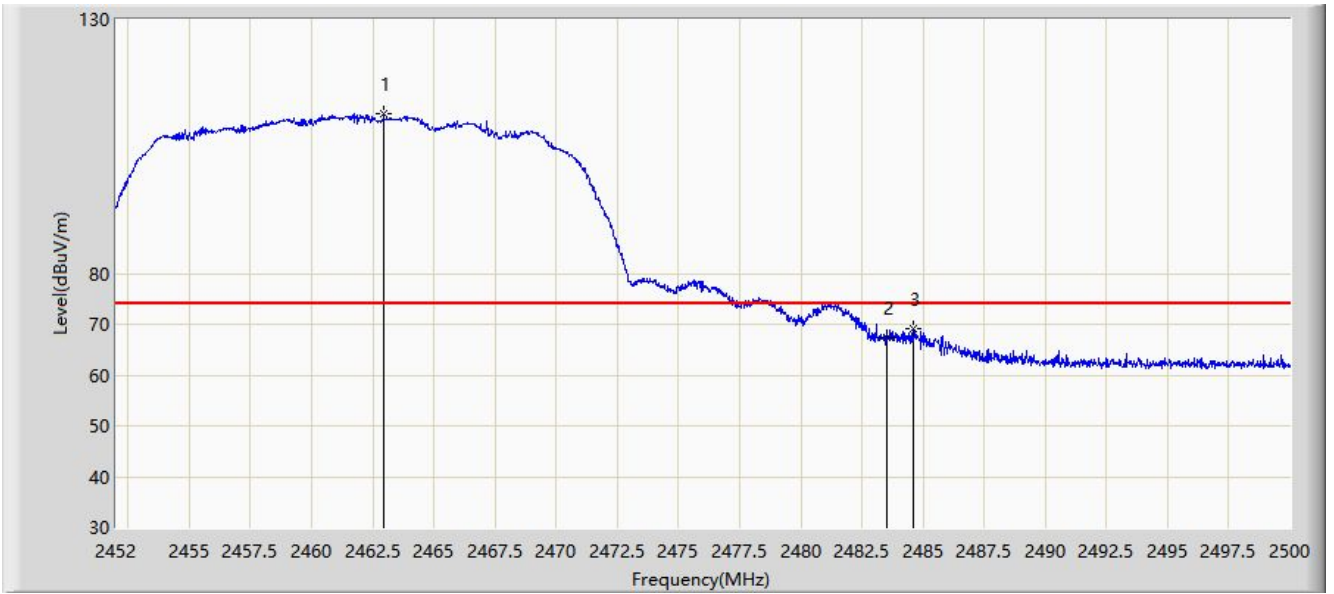
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2459.272	111.861	79.114	N/A	N/A	32.747	PK
2			2483.500	67.426	34.776	-6.574	74.000	32.651	PK
3			2486.032	68.605	35.977	-5.395	74.000	32.628	PK

Site: AC1	Time: 2020/08/07 - 02:46
Limit: FCC_Part15.209_RE (3m)	Engineer: Dillon Diao
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: SUBSCRIBER END EQUIPMENT HGW	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT20 at channel 2462MHz (CDD Mode)	



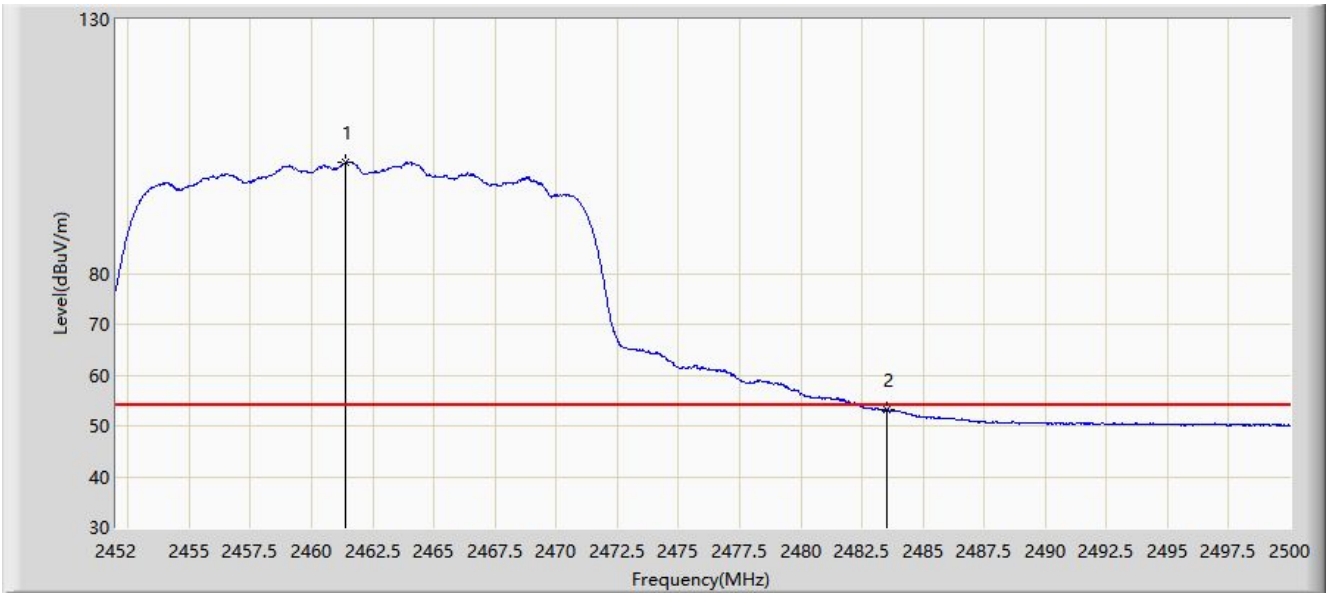
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2461.360	99.107	66.353	N/A	N/A	32.754	AV
2			2483.500	53.257	20.607	-0.743	54.000	32.651	AV

Site: AC1	Time: 2020/08/07 - 02:45
Limit: FCC_Part15.209_RE (3m)	Engineer: Dillon Diao
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: SUBSCRIBER END EQUIPMENT HGW	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT20 at channel 2462MHz (CDD Mode)	



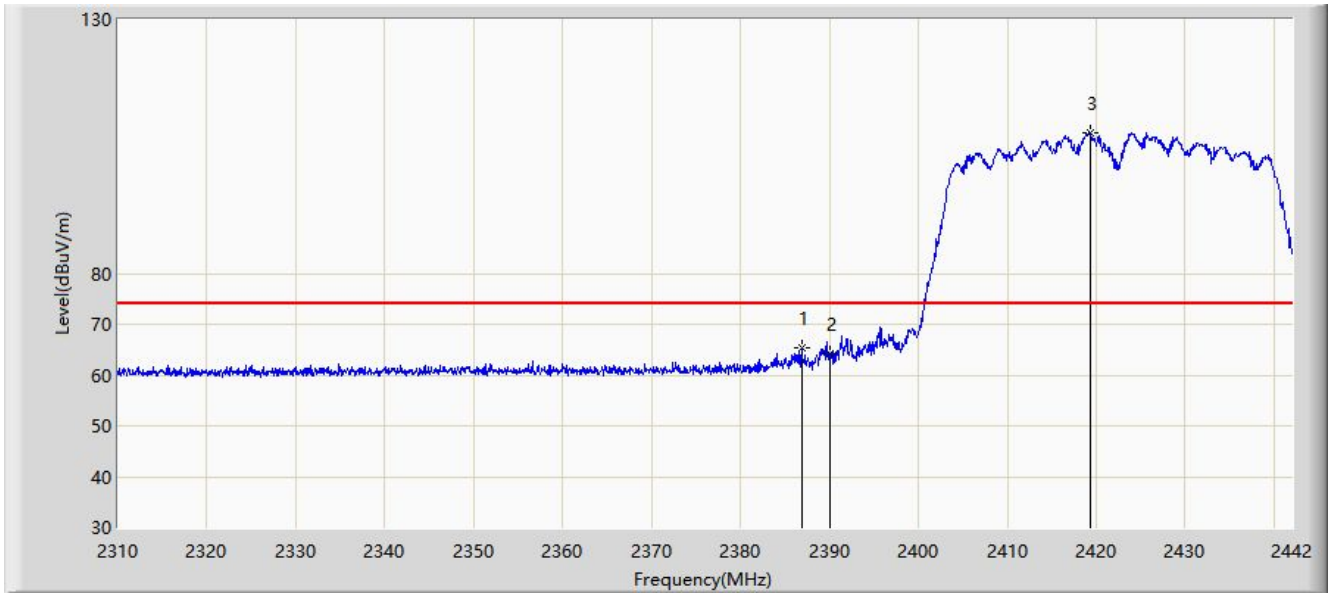
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2462.944	111.381	78.621	N/A	N/A	32.760	PK
2			2483.500	67.418	34.768	-6.582	74.000	32.651	PK
3			2484.592	68.993	36.352	-5.007	74.000	32.641	PK

Site: AC1	Time: 2020/08/07 - 02:43
Limit: FCC_Part15.209_RE (3m)	Engineer: Dillon Diao
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: SUBSCRIBER END EQUIPMENT HGW	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT20 at channel 2462MHz (CDD Mode)	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2461.384	101.909	69.154	N/A	N/A	32.754	AV
2			2483.500	53.088	20.438	-0.912	54.000	32.651	AV

Site: AC1	Time: 2020/08/07 - 03:03
Limit: FCC_Part15.209_RE (3m)	Engineer: Dillon Diao
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: SUBSCRIBER END EQUIPMENT HGW	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT40 at channel 2422MHz (CDD Mode)	

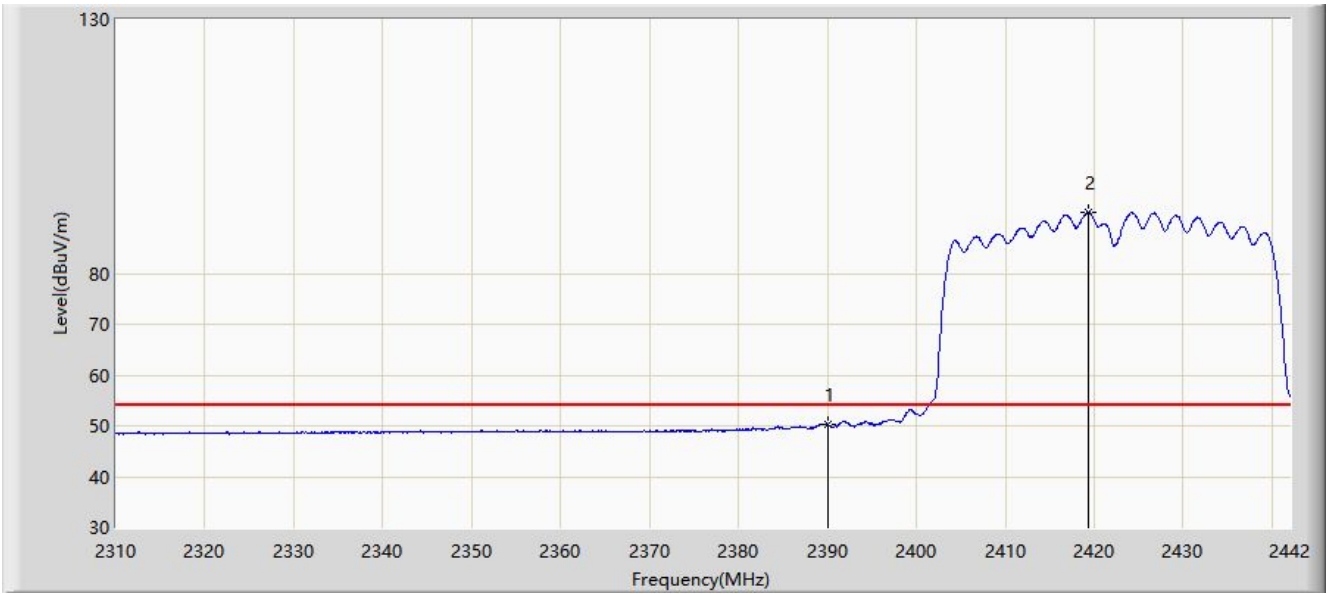


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2386.890	65.505	32.808	-8.495	74.000	32.697	PK
2			2390.000	64.132	31.420	-9.868	74.000	32.712	PK
3		*	2419.296	107.790	75.057	N/A	N/A	32.733	PK

Note: Measure Level (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2020/08/07 - 03:04
Limit: FCC_Part15.209_RE (3m)	Engineer: Dillon Diao
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: SUBSCRIBER END EQUIPMENT HGW	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT40 at channel 2422MHz (CDD Mode)	

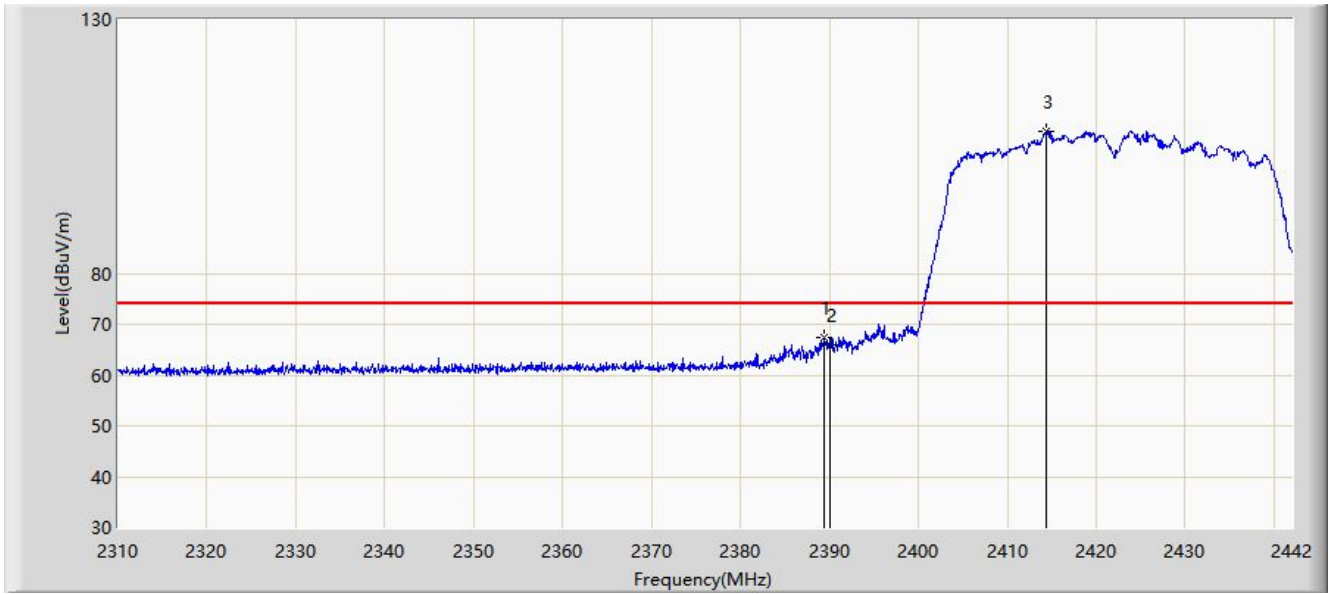


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	50.150	17.438	-3.850	54.000	32.712	AV
2		*	2419.362	92.039	59.306	N/A	N/A	32.733	AV

Note: Measure Level (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2020/08/07 - 03:02
Limit: FCC_Part15.209_RE (3m)	Engineer: Dillon Diao
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: SUBSCRIBER END EQUIPMENT HGW	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT40 at channel 2422MHz (CDD Mode)	

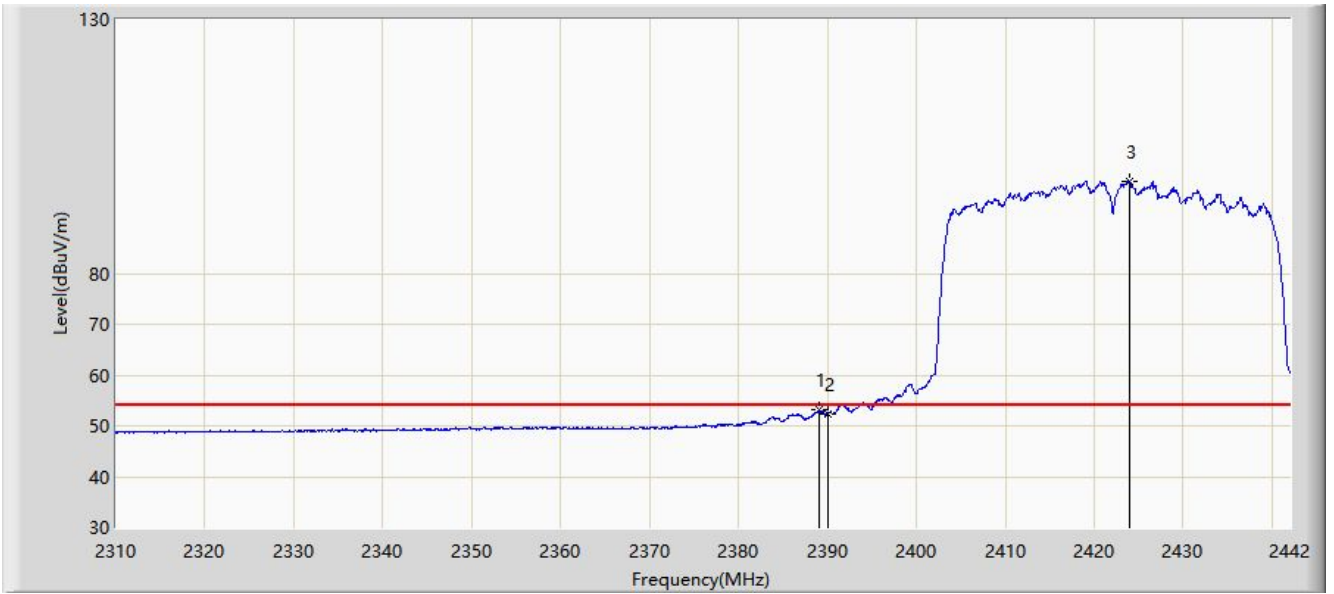


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2389.398	67.436	34.727	-6.564	74.000	32.709	PK
2			2390.000	66.039	33.327	-7.961	74.000	32.712	PK
3		*	2414.346	107.830	75.102	N/A	N/A	32.728	PK

Note: Measure Level (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2020/08/07 - 02:57
Limit: FCC_Part15.209_RE (3m)	Engineer: Dillon Diao
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: SUBSCRIBER END EQUIPMENT HGW	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT40 at channel 2422MHz (CDD Mode)	

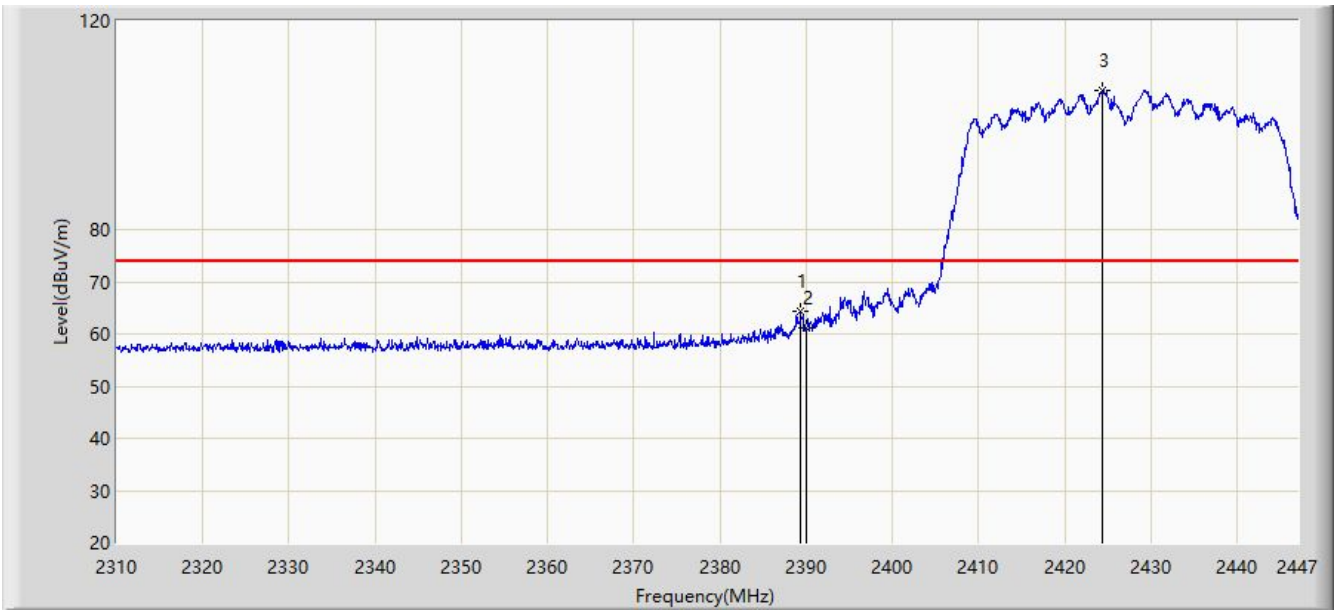


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2389.002	53.162	20.455	-0.838	54.000	32.707	AV
2			2390.000	52.387	19.675	-1.613	54.000	32.712	AV
3		*	2423.916	98.177	65.436	N/A	N/A	32.741	AV

Note: Measure Level (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

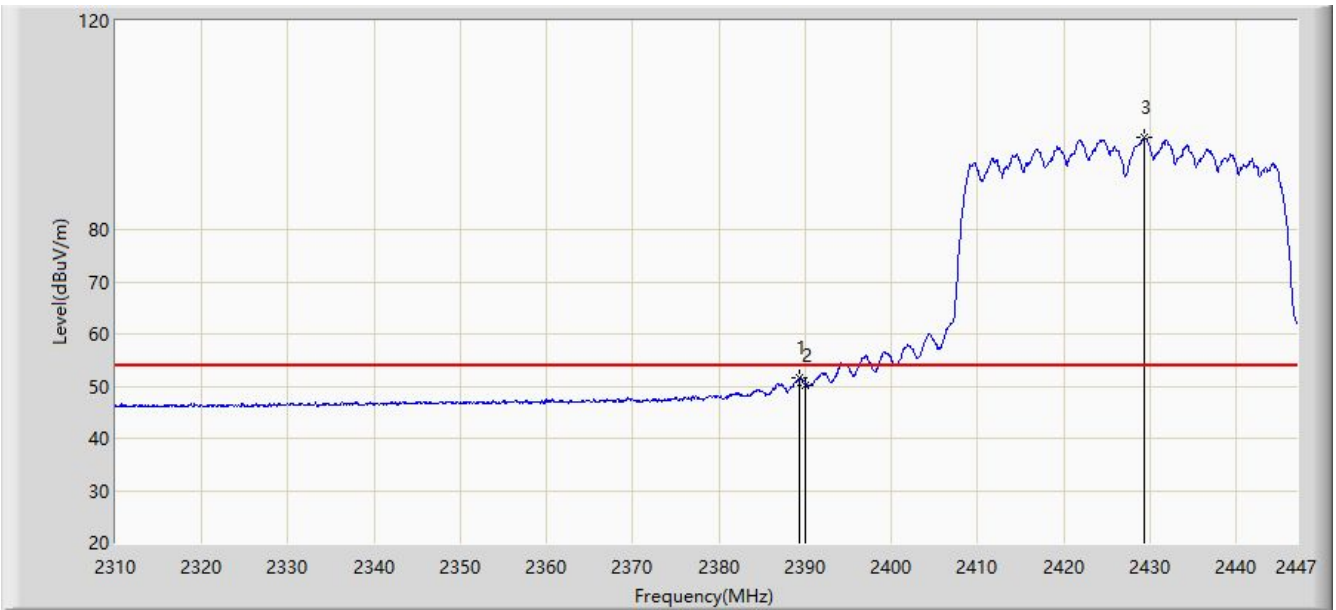
Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2020/08/26 - 21:59
Limit: FCC_Part15_Band Edge(3m)	Engineer: Antony Yang
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: SUBSCRIBER END EQUIPMENT HGW	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2427MHz (CDD Mode)	



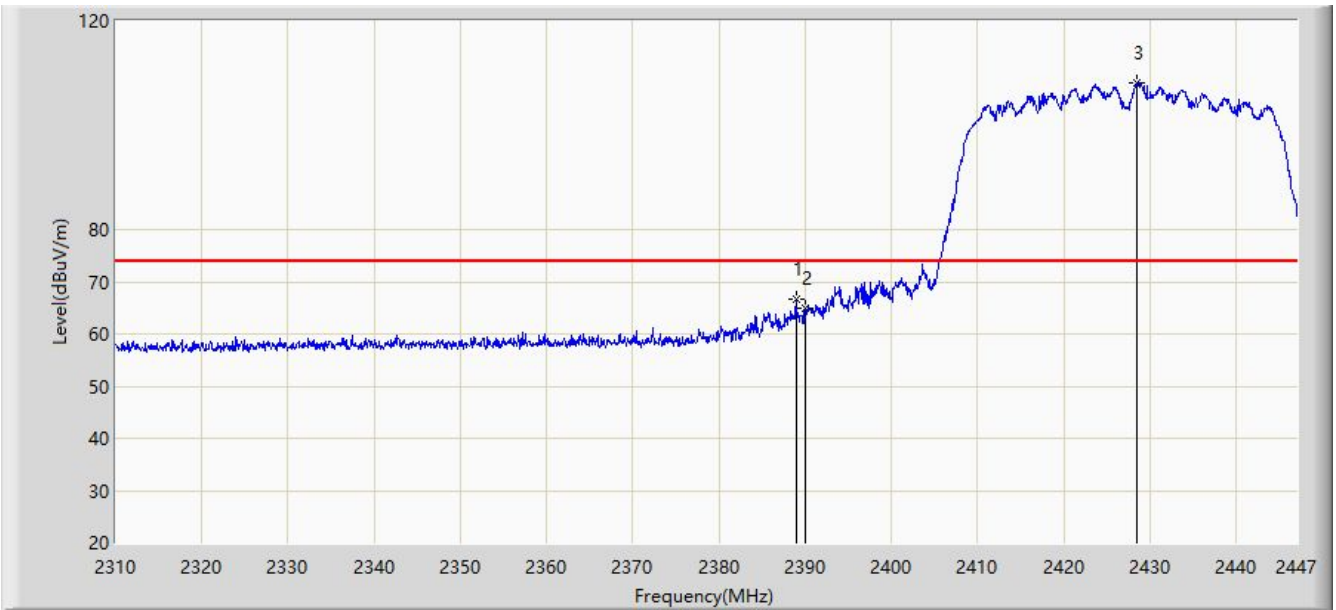
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2389.323	64.429	31.720	-9.571	74.000	32.708	PK
2			2390.000	61.226	28.514	-12.774	74.000	32.712	PK
3		*	2424.395	106.600	73.858	N/A	N/A	32.741	PK

Site: AC1	Time: 2020/08/26 - 22:00
Limit: FCC_Part15_Band Edge(3m)	Engineer: Antony Yang
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: SUBSCRIBER END EQUIPMENT HGW	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2427MHz (CDD Mode)	



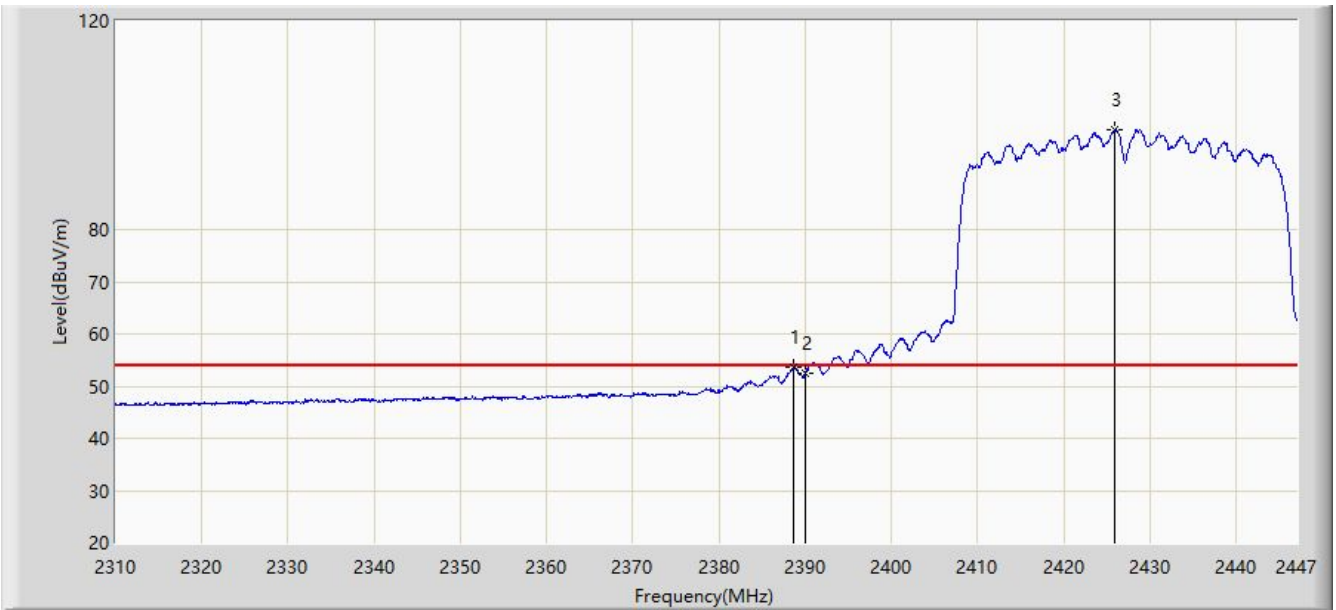
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2389.392	51.621	18.912	-2.379	54.000	32.709	AV
2			2390.000	50.266	17.554	-3.734	54.000	32.712	AV
3		*	2429.259	97.602	64.852	N/A	N/A	32.750	AV

Site: AC1	Time: 2020/08/26 - 22:01
Limit: FCC_Part15_Band Edge(3m)	Engineer: Antony Yang
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: SUBSCRIBER END EQUIPMENT HGW	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2427MHz (CDD Mode)	



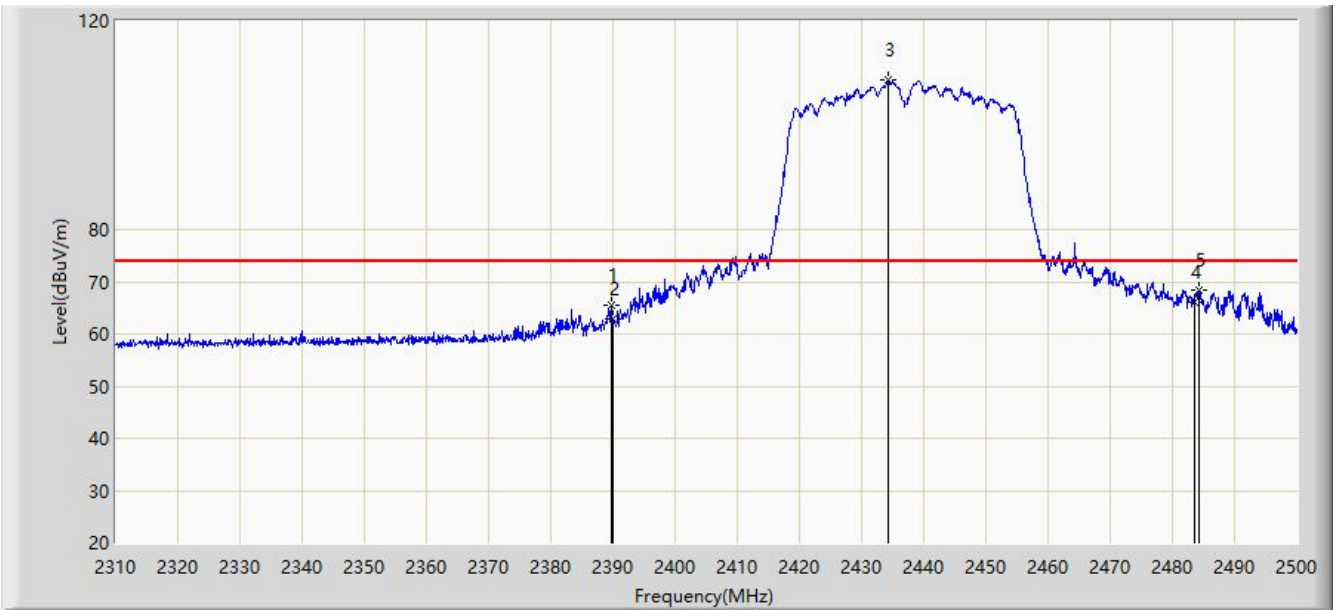
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2388.912	66.594	33.887	-7.406	74.000	32.706	PK
2			2390.000	65.027	32.315	-8.973	74.000	32.712	PK
3		*	2428.505	108.099	75.350	N/A	N/A	32.749	PK

Site: AC1	Time: 2020/08/26 - 22:02
Limit: FCC_Part15_Band Edge(3m)	Engineer: Antony Yang
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: SUBSCRIBER END EQUIPMENT HGW	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2427MHz (CDD Mode)	



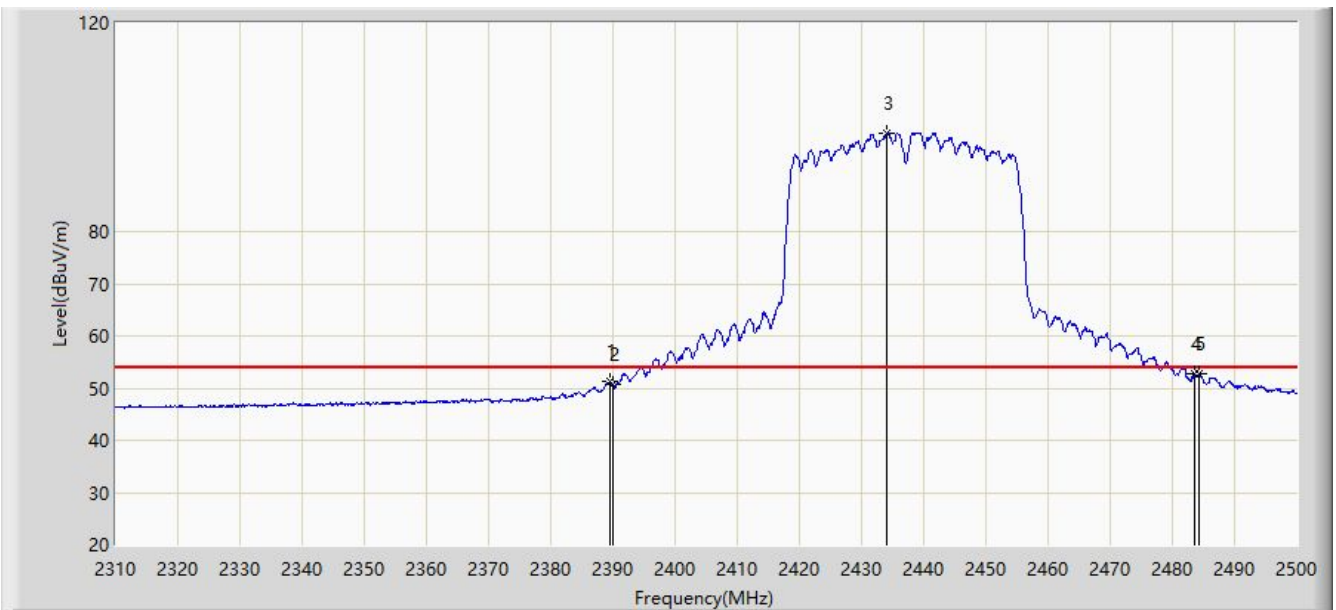
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2388.707	53.590	20.884	-0.410	54.000	32.706	AV
2			2390.000	52.328	19.616	-1.672	54.000	32.712	AV
3		*	2425.902	99.243	66.499	N/A	N/A	32.745	AV

Site: AC1	Time: 2020/08/27 - 11:50
Limit: FCC_Part15_Band Edge(3m)	Engineer: Antony Yang
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: SUBSCRIBER END EQUIPMENT HGW	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2437MHz (CDD Mode)	



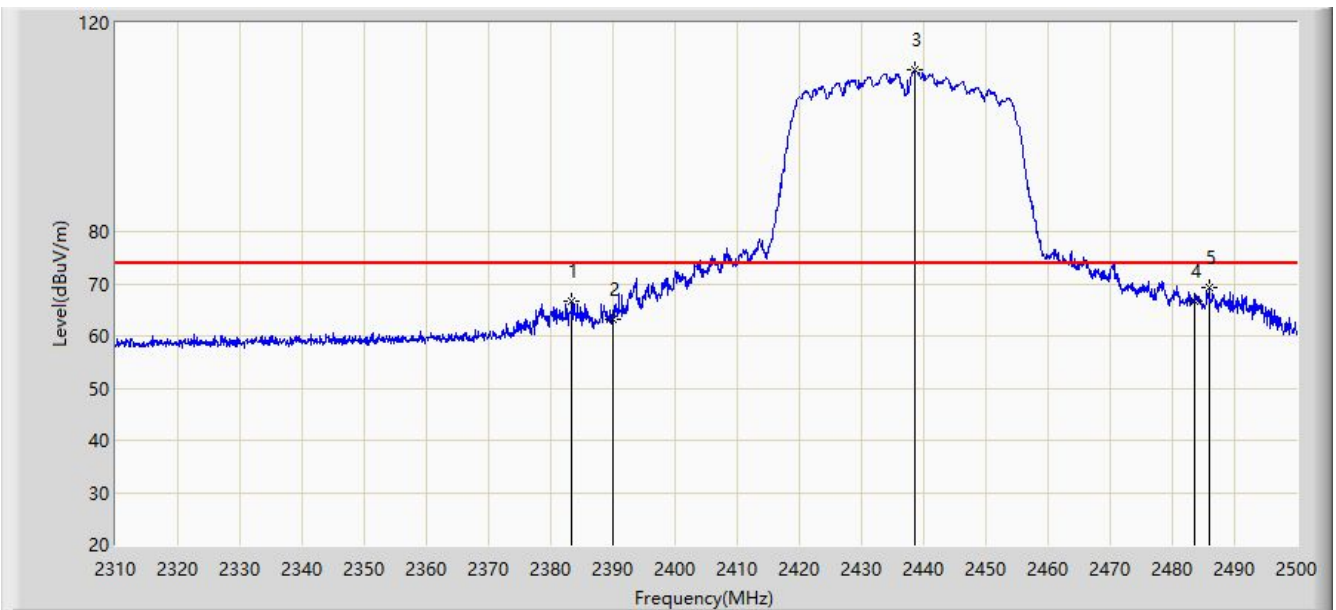
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2389.705	65.575	32.865	-8.425	74.000	32.711	PK
2			2390.000	62.950	30.238	-11.050	74.000	32.712	PK
3		*	2434.355	108.807	76.051	N/A	N/A	32.756	PK
4			2483.500	66.052	33.402	-7.948	74.000	32.651	PK
5			2484.325	68.430	35.787	-5.570	74.000	32.643	PK

Site: AC1	Time: 2020/08/27 - 11:52
Limit: FCC_Part15_Band Edge(3m)	Engineer: Antony Yang
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: SUBSCRIBER END EQUIPMENT HGW	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2437MHz (CDD Mode)	



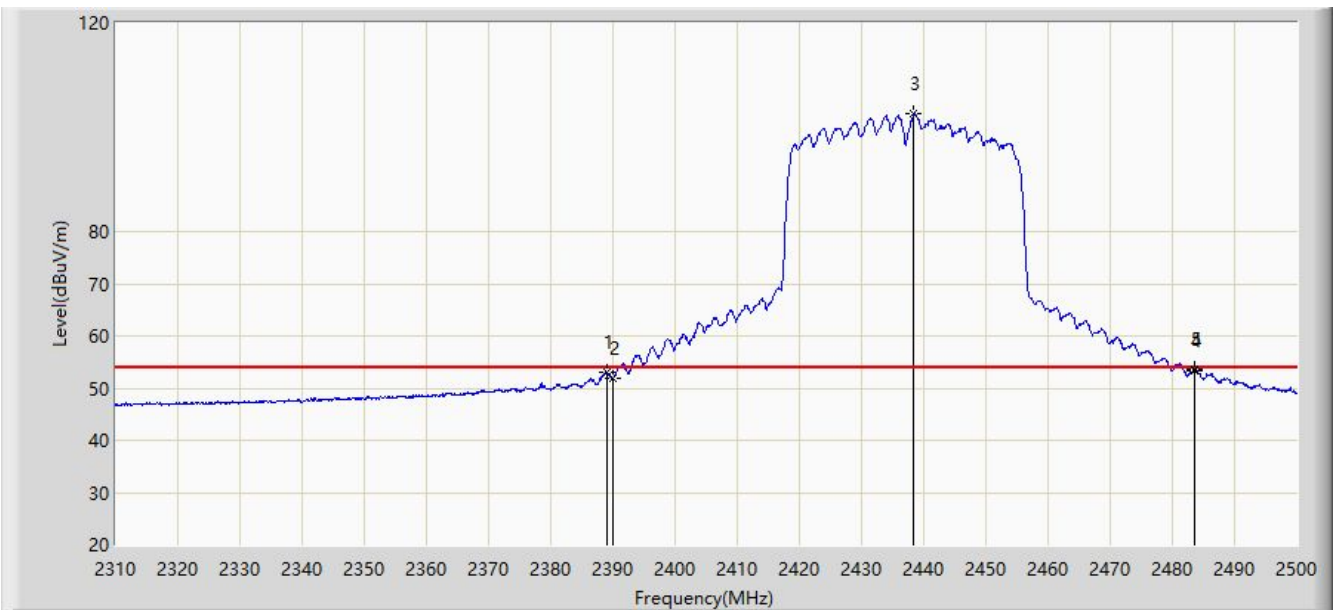
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2389.515	51.173	18.463	-2.827	54.000	32.710	AV
2			2390.000	50.768	18.056	-3.232	54.000	32.712	AV
3		*	2434.165	98.877	66.121	N/A	N/A	32.757	AV
4			2483.500	52.648	19.998	-1.352	54.000	32.651	AV
5			2484.325	52.701	20.058	-1.299	54.000	32.643	AV

Site: AC1	Time: 2020/08/27 - 11:54
Limit: FCC_Part15_Band Edge(3m)	Engineer: Antony Yang
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: SUBSCRIBER END EQUIPMENT HGW	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2437MHz (CDD Mode)	



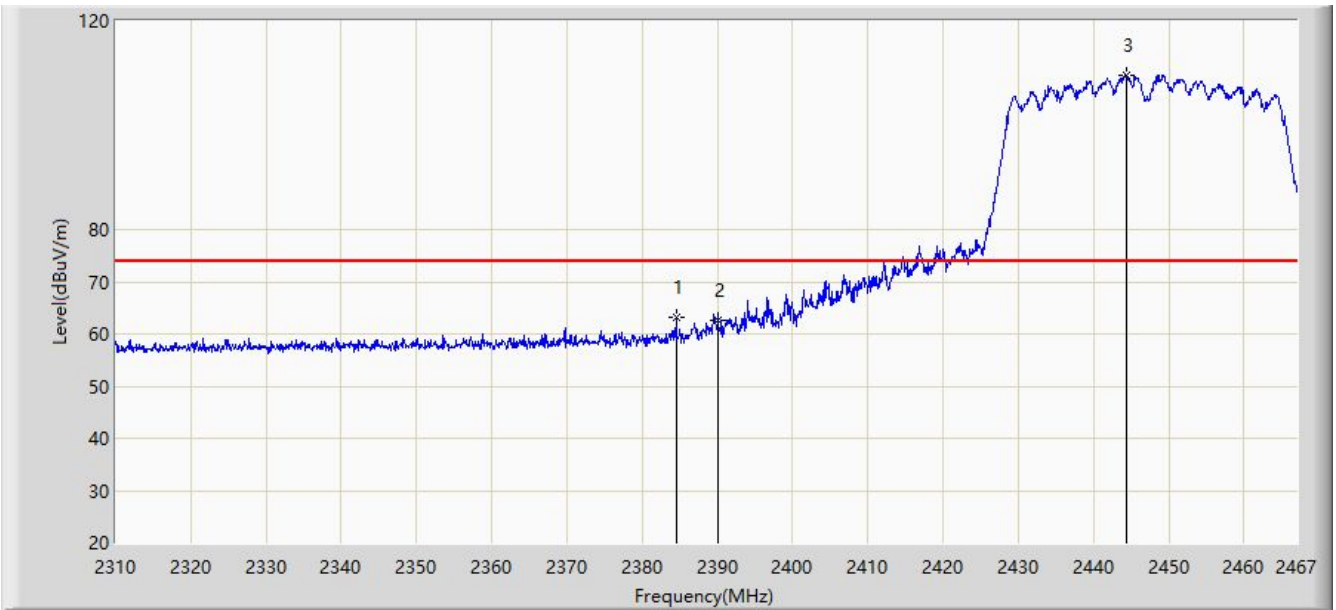
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2383.340	66.733	34.052	-7.267	74.000	32.681	PK
2			2390.000	63.303	30.591	-10.697	74.000	32.712	PK
3		*	2438.535	110.924	78.176	N/A	N/A	32.749	PK
4			2483.500	66.571	33.921	-7.429	74.000	32.651	PK
5			2485.845	69.330	36.700	-4.670	74.000	32.630	PK

Site: AC1	Time: 2020/08/27 - 11:56
Limit: FCC_Part15_Band Edge(3m)	Engineer: Antony Yang
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: SUBSCRIBER END EQUIPMENT HGW	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2437MHz (CDD Mode)	



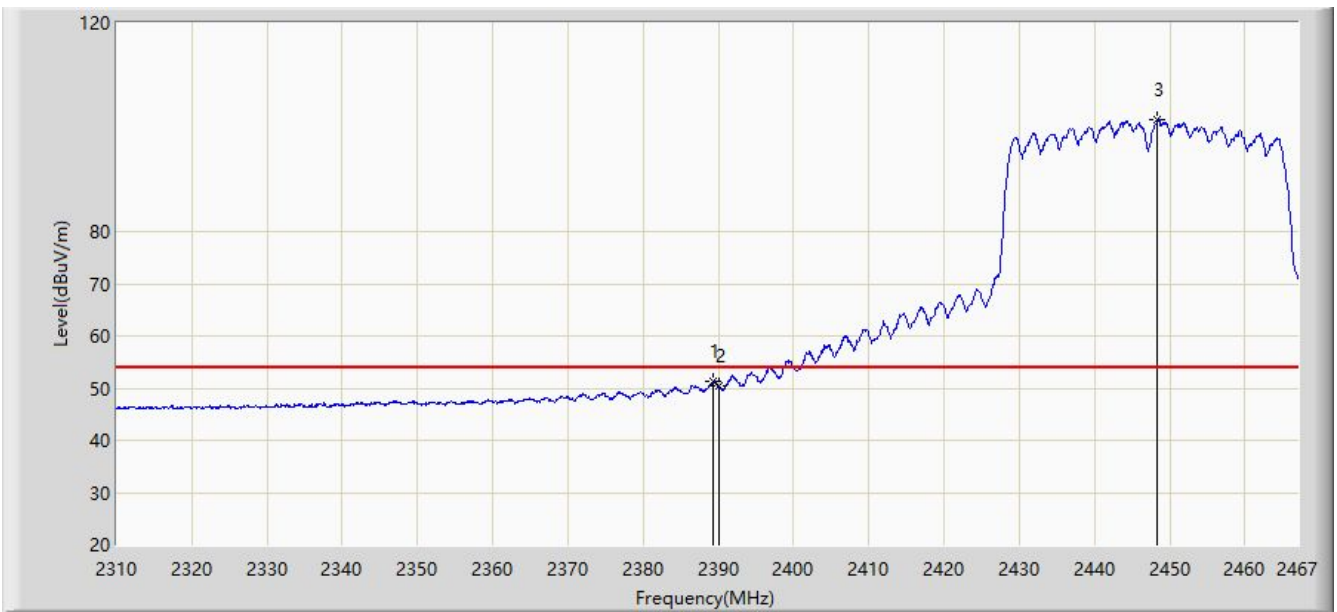
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2388.945	53.051	20.344	-0.949	54.000	32.707	AV
2			2390.000	51.943	19.231	-2.057	54.000	32.712	AV
3		*	2438.440	102.561	69.813	N/A	N/A	32.749	AV
4			2483.500	53.406	20.756	-0.594	54.000	32.651	AV
5			2483.660	53.763	21.114	-0.237	54.000	32.649	AV

Site: AC1	Time: 2020/08/26 - 22:19
Limit: FCC_Part15_Band Edge(3m)	Engineer: Antony Yang
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: SUBSCRIBER END EQUIPMENT HGW	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2447MHz (CDD Mode)	



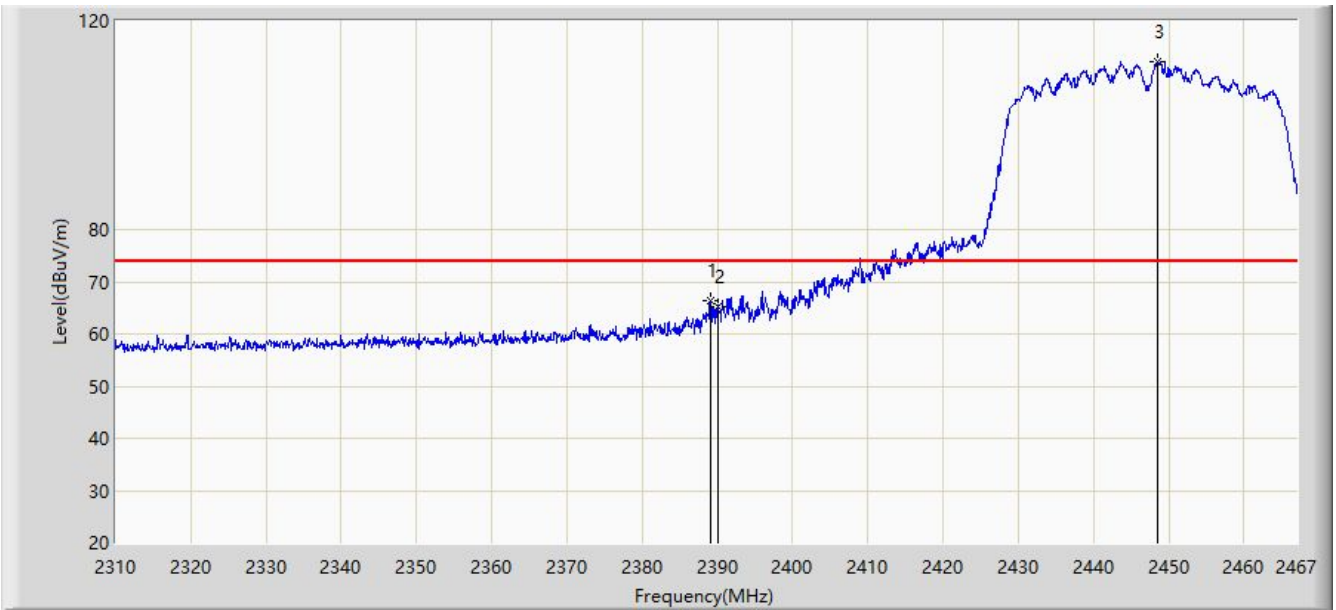
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2384.497	63.198	30.512	-10.802	74.000	32.686	PK
2			2390.000	62.673	29.961	-11.327	74.000	32.712	PK
3		*	2444.313	109.597	76.859	N/A	N/A	32.738	PK

Site: AC1	Time: 2020/08/26 - 22:21
Limit: FCC_Part15_Band Edge(3m)	Engineer: Antony Yang
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: SUBSCRIBER END EQUIPMENT HGW	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2447MHz (CDD Mode)	



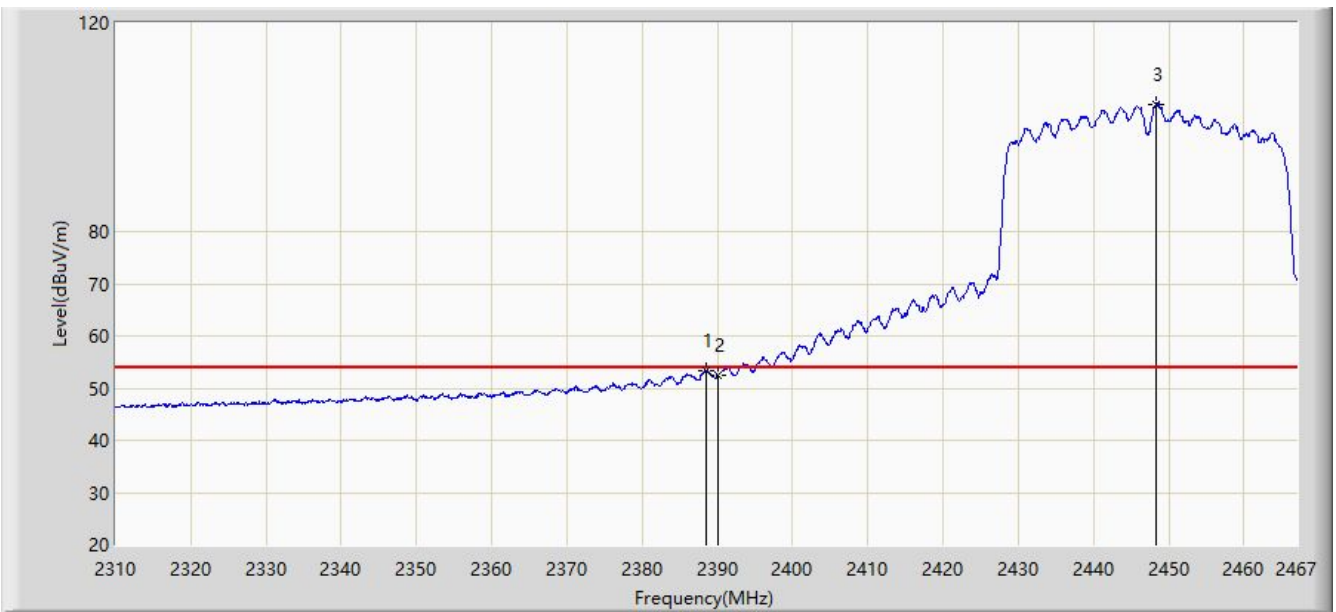
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2389.364	51.272	18.563	-2.728	54.000	32.708	AV
2			2390.000	50.306	17.594	-3.694	54.000	32.712	AV
3		*	2448.317	101.423	68.695	N/A	N/A	32.728	AV

Site: AC1	Time: 2020/08/26 - 22:22
Limit: FCC_Part15_Band Edge(3m)	Engineer: Antony Yang
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: SUBSCRIBER END EQUIPMENT HGW	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2447MHz (CDD Mode)	



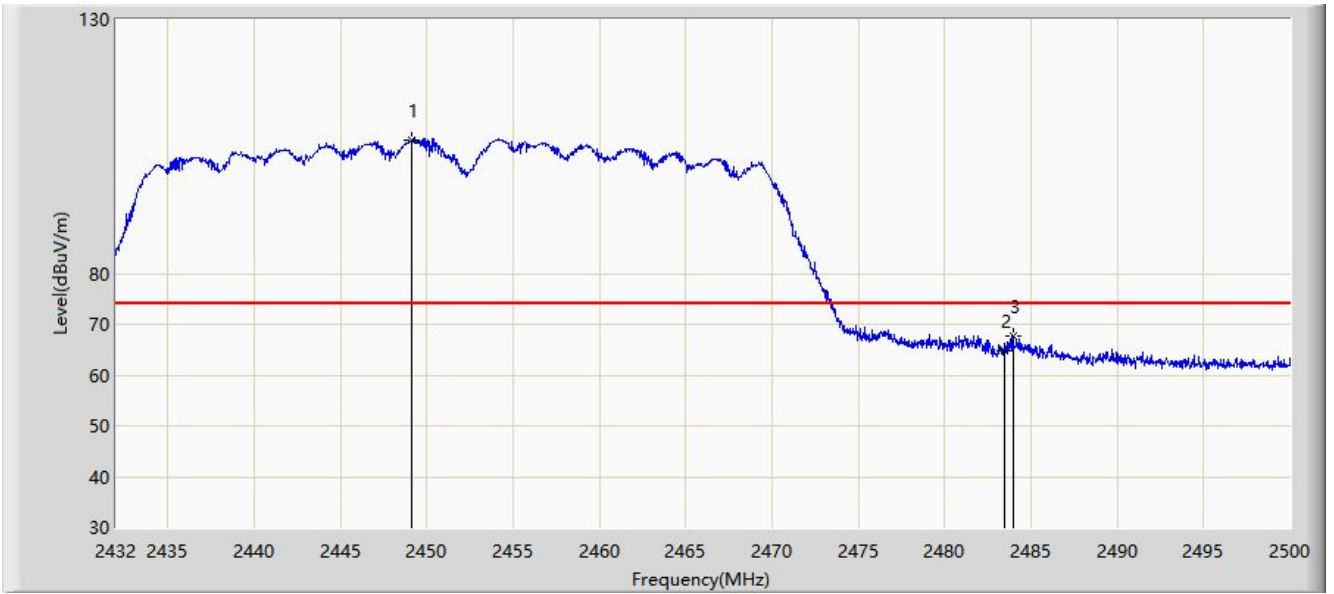
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2389.128	66.345	33.637	-7.655	74.000	32.708	PK
2			2390.000	65.245	32.533	-8.755	74.000	32.712	PK
3		*	2448.474	112.168	79.440	N/A	N/A	32.728	PK

Site: AC1	Time: 2020/08/26 - 22:23
Limit: FCC_Part15_Band Edge(3m)	Engineer: Antony Yang
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: SUBSCRIBER END EQUIPMENT HGW	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2447MHz (CDD Mode)	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2388.500	53.359	20.654	-0.641	54.000	32.705	AV
2			2390.000	52.334	19.622	-1.666	54.000	32.712	AV
3		*	2448.317	104.427	71.699	N/A	N/A	32.728	AV

Site: AC1	Time: 2020/08/07 - 03:23
Limit: FCC_Part15.209_RE (3m)	Engineer: Dillon Diao
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: SUBSCRIBER END EQUIPMENT HGW	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT40 at channel 2452MHz (CDD Mode)	

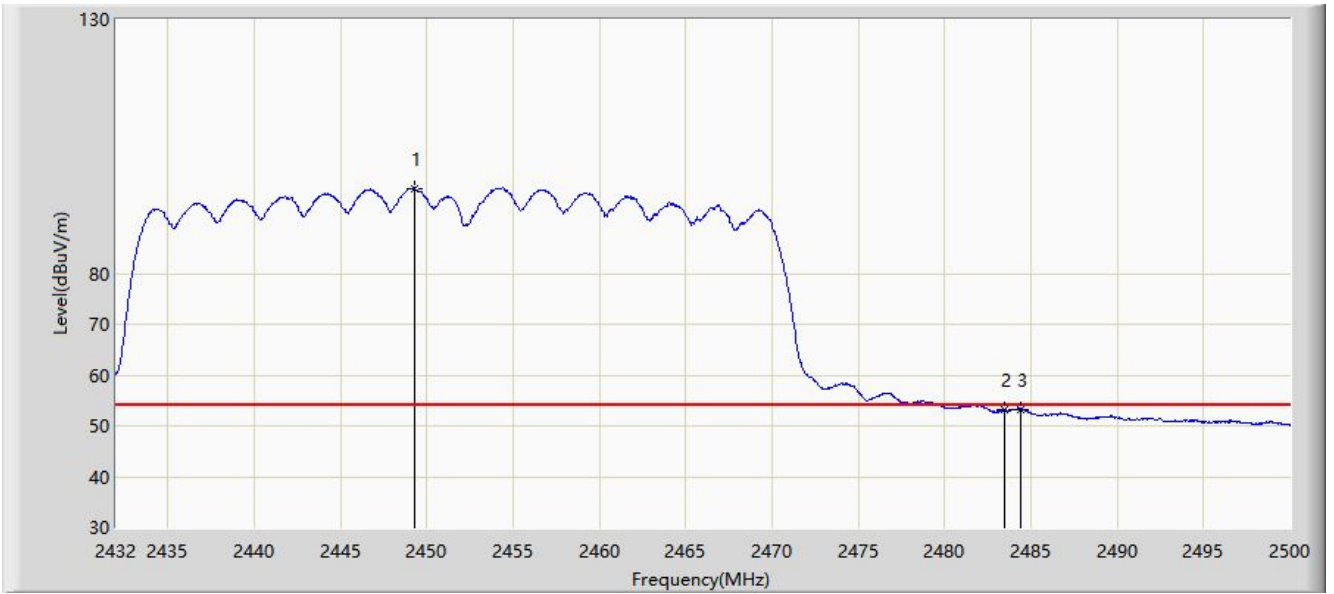


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2449.170	106.322	73.596	N/A	N/A	32.726	PK
2			2483.500	64.873	32.223	-9.127	74.000	32.651	PK
3			2483.986	67.721	35.075	-6.279	74.000	32.646	PK

Note: Measure Level (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2020/08/07 - 03:21
Limit: FCC_Part15.209_RE (3m)	Engineer: Dillon Diao
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: SUBSCRIBER END EQUIPMENT HGW	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT40 at channel 2452MHz (CDD Mode)	

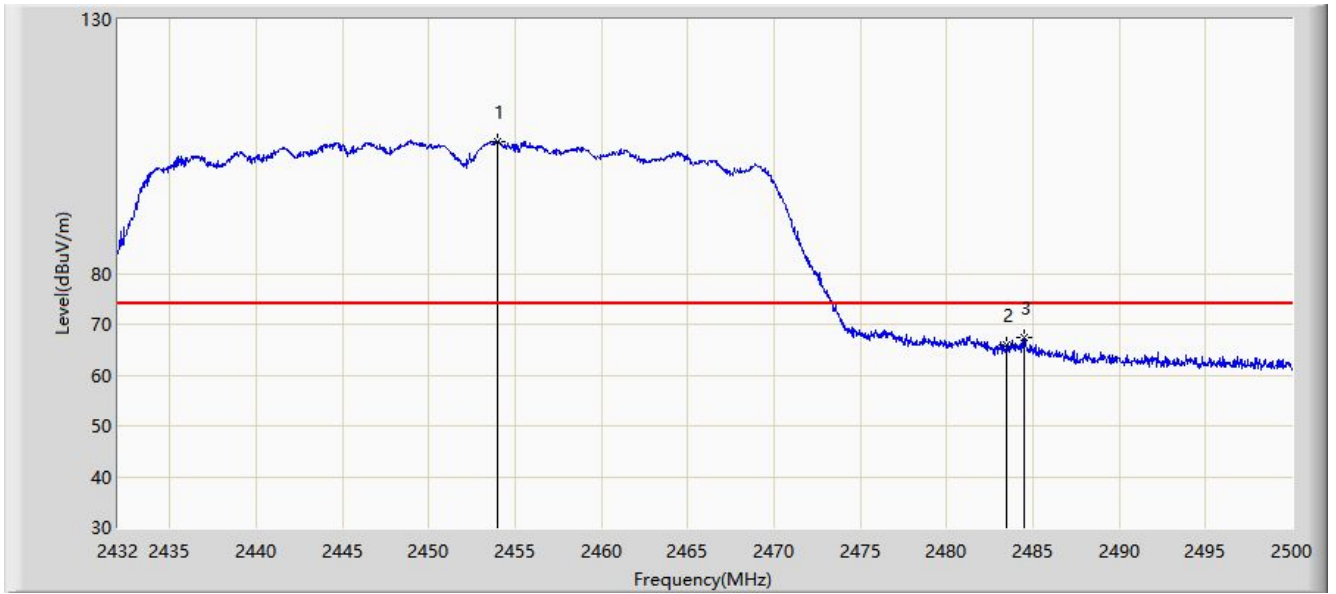


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2449.306	96.759	64.033	N/A	N/A	32.725	AV
2			2483.500	53.063	20.413	-0.937	54.000	32.651	AV
3			2484.428	53.187	20.545	-0.813	54.000	32.642	AV

Note: Measure Level (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2020/08/07 - 03:25
Limit: FCC_Part15.209_RE (3m)	Engineer: Dillon Diao
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: SUBSCRIBER END EQUIPMENT HGW	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT40 at channel 2452MHz (CDD Mode)	

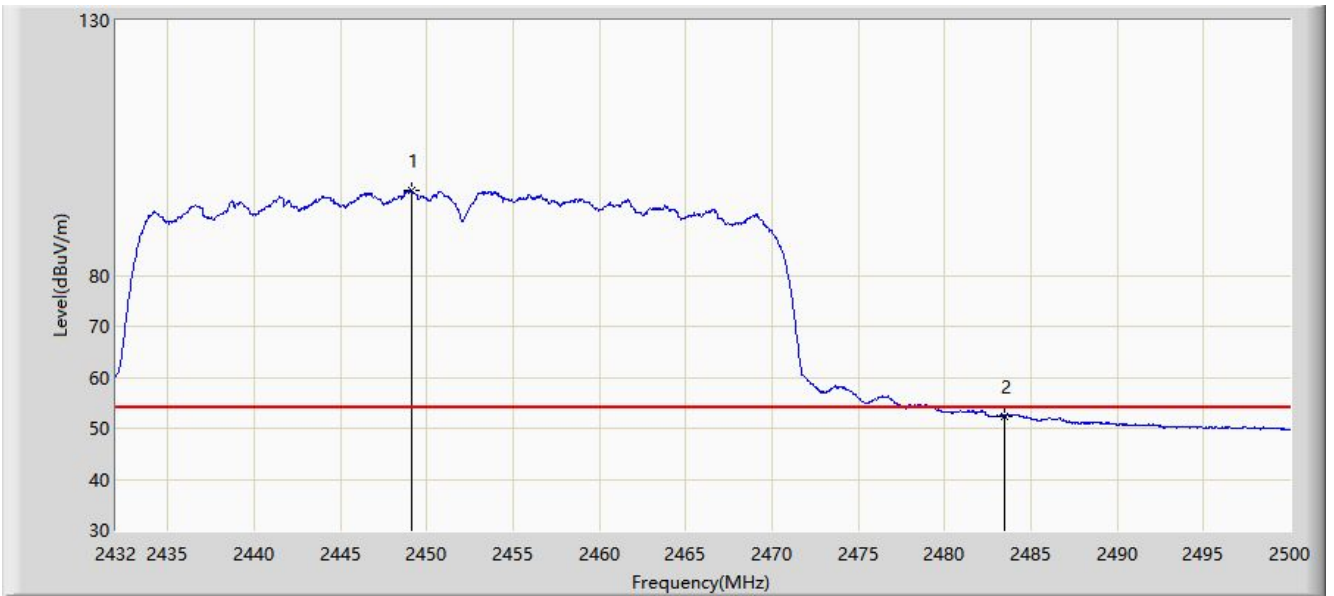


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2453.998	105.998	73.270	N/A	N/A	32.728	PK
2			2483.500	65.991	33.341	-8.009	74.000	32.651	PK
3			2484.530	67.420	34.779	-6.580	74.000	32.641	PK

Note: Measure Level (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2020/08/07 - 03:26
Limit: FCC_Part15.209_RE (3m)	Engineer: Dillon Diao
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: SUBSCRIBER END EQUIPMENT HGW	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT40 at channel 2452MHz (CDD Mode)	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2449.102	96.736	64.010	N/A	N/A	32.726	AV
2			2483.500	52.389	19.739	-1.611	54.000	32.651	AV

Note: Measure Level (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

6.8. AC Conducted Emissions Measurement

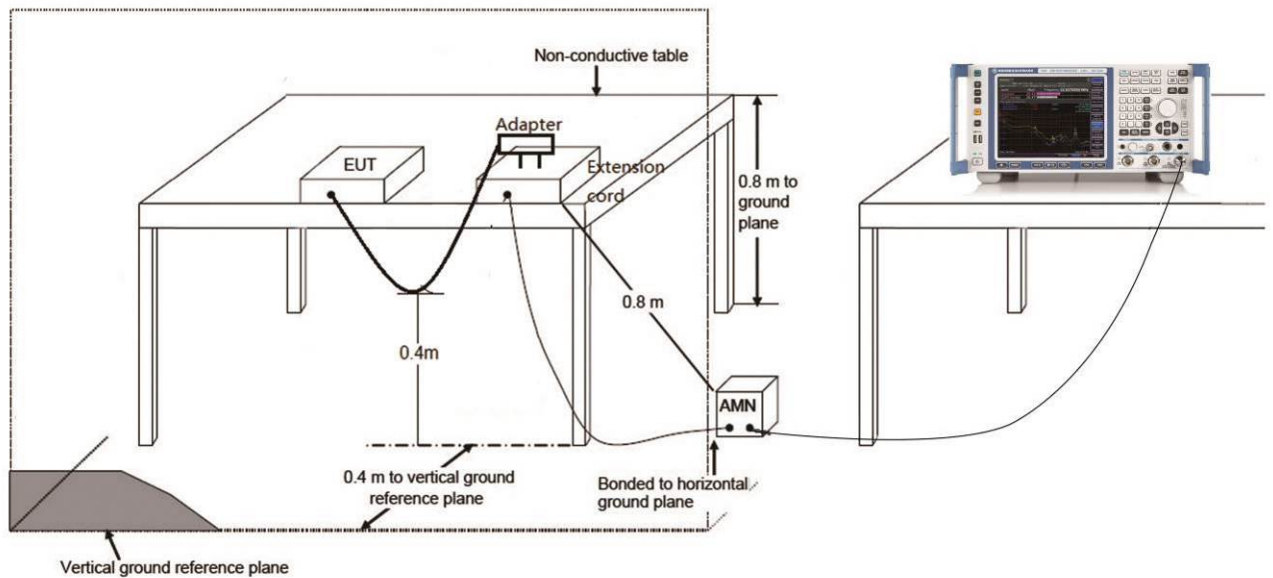
6.8.1. Test Limit

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

Note 1: The lower limit shall apply at the transition frequencies.

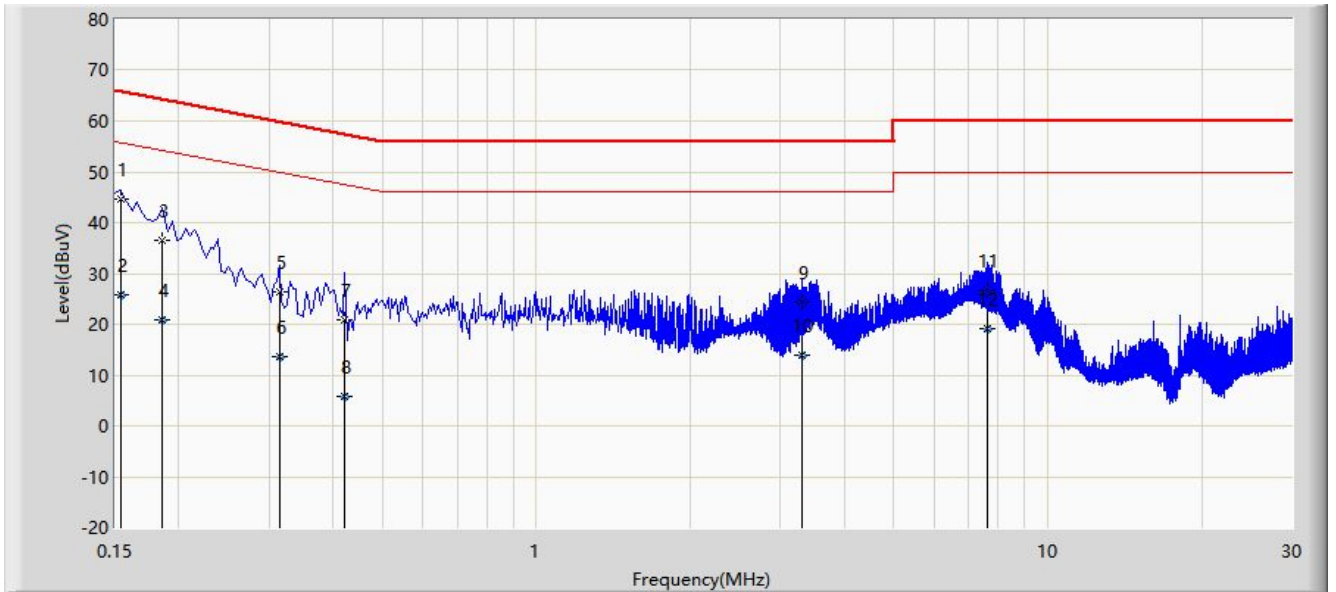
Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.5MHz.

6.8.2. Test Setup



6.8.3. Test Result

Site: SR2	Time: 2020/09/01 - 15:49
Limit: FCC_Part15.207_CE_AC Power	Engineer: Linda Wei
Probe: ENV216_101683_Filter On	Polarity: Line
EUT: SUBSCRIBER END EQUIPMENT HGW	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at channel 2422MHz	

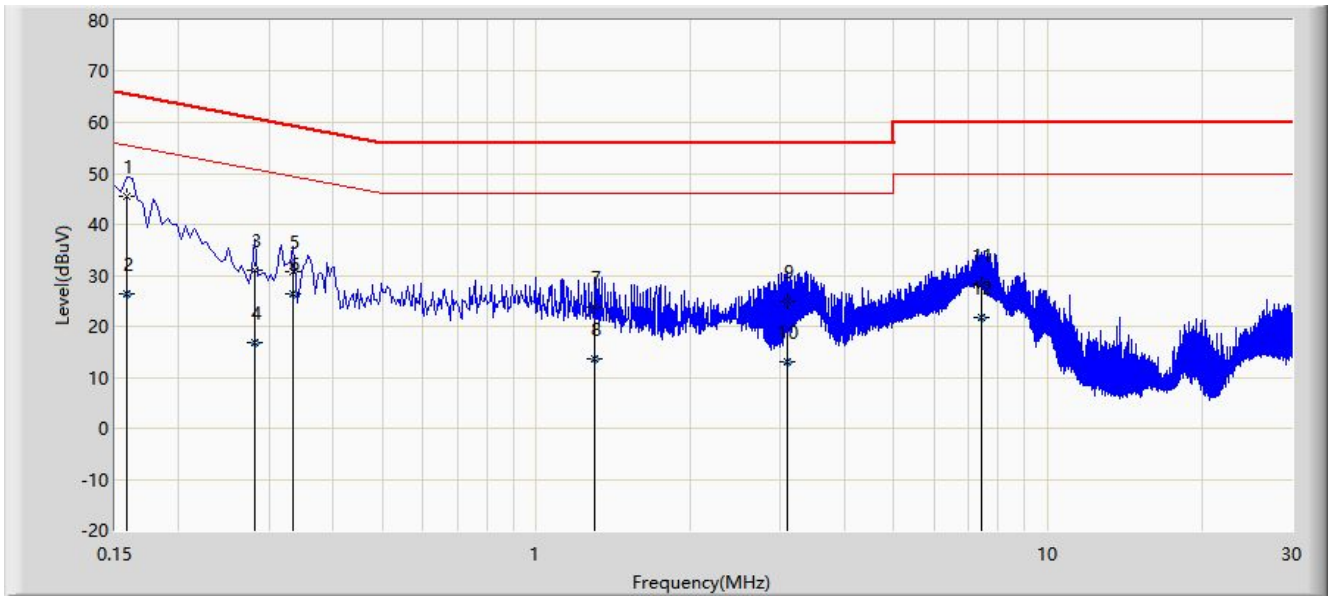


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV)	Factor (dB)	Type
1		*	0.154	44.728	35.113	-21.053	65.781	9.616	QP
2			0.154	25.703	16.088	-30.079	55.781	9.616	AV
3			0.186	36.599	26.968	-27.614	64.213	9.632	QP
4			0.186	20.899	11.268	-33.314	54.213	9.632	AV
5			0.314	26.263	16.601	-33.601	59.864	9.661	QP
6			0.314	13.745	4.083	-36.119	49.864	9.661	AV
7			0.422	20.847	11.165	-36.562	57.409	9.682	QP
8			0.422	5.704	-3.978	-41.705	47.409	9.682	AV
9			3.298	24.297	14.492	-31.703	56.000	9.805	QP
10			3.298	14.030	4.225	-31.970	46.000	9.805	AV
11			7.614	26.608	16.633	-33.392	60.000	9.976	QP
12			7.614	19.158	9.182	-30.842	50.000	9.976	AV

Note: Measure Level (dBμV) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + LISN Factor (dB)

Site: SR2	Time: 2020/09/01 - 15:55
Limit: FCC_Part15.207_CE_AC Power	Engineer: Linda Wei
Probe: ENV216_101683_Filter On	Polarity: Neutral
EUT: SUBSCRIBER END EQUIPMENT HGW	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at channel 2422MHz	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV)	Factor (dB)	Type
1		*	0.158	45.625	36.017	-19.944	65.568	9.607	QP
2			0.158	26.437	16.830	-29.132	55.568	9.607	AV
3			0.282	30.985	21.339	-29.772	60.757	9.645	QP
4			0.282	16.831	7.185	-33.926	50.757	9.645	AV
5			0.334	30.735	21.079	-28.617	59.351	9.655	QP
6			0.334	26.403	16.748	-22.948	49.351	9.655	AV
7			1.302	23.706	13.959	-32.294	56.000	9.747	QP
8			1.302	13.567	3.820	-32.433	46.000	9.747	AV
9			3.090	24.951	15.156	-31.049	56.000	9.795	QP
10			3.090	13.103	3.308	-32.897	46.000	9.795	AV
11			7.438	28.170	18.209	-31.830	60.000	9.962	QP
12			7.438	21.776	11.814	-28.224	50.000	9.962	AV

Note: Measure Level (dBμV) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + LISN Factor (dB)

7. CONCLUSION

The data collected relate only the item(s) tested and show that the device is in compliance with Part 15C of the FCC rules.

————— The End —————

Appendix A - Test Setup Photograph

Refer to "2008RSU008-UT" file.

Appendix B - EUT Photograph

Refer to "2008RSU008-UE" file.