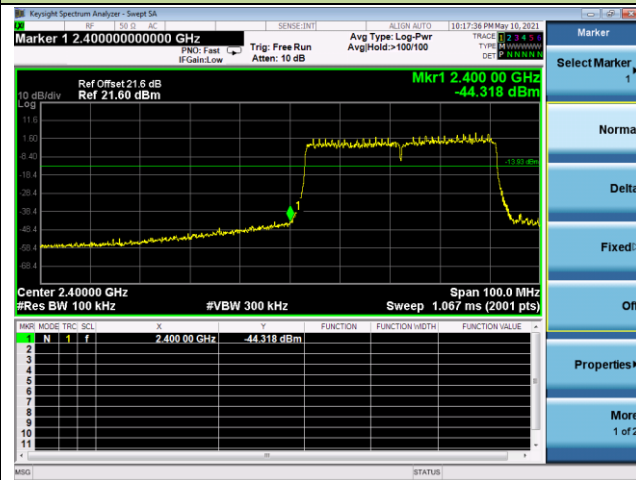


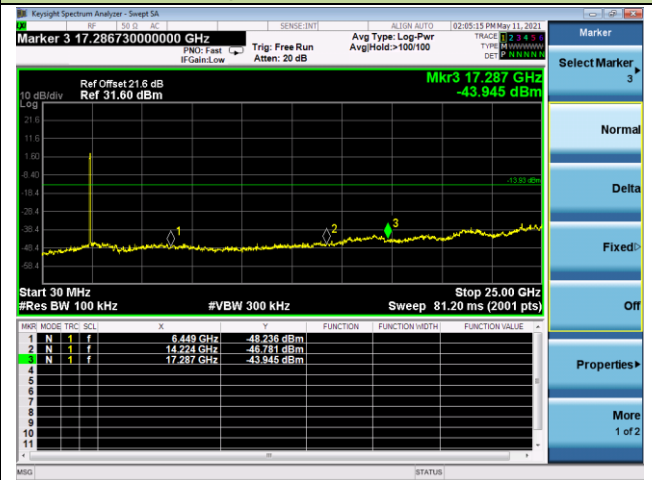
802.11ax-HE40 Out-of-Band Emissions - Ant 2

Channel 03 (2422MHz)

Low Band Edge

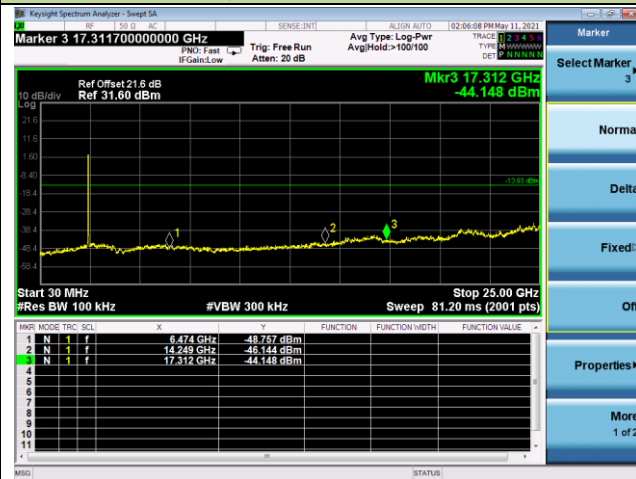


Spurious Emission



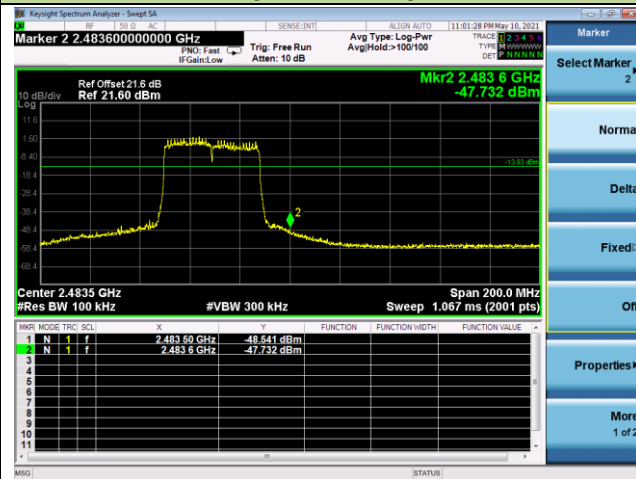
Channel 06 (2437MHz)

Spurious Emission

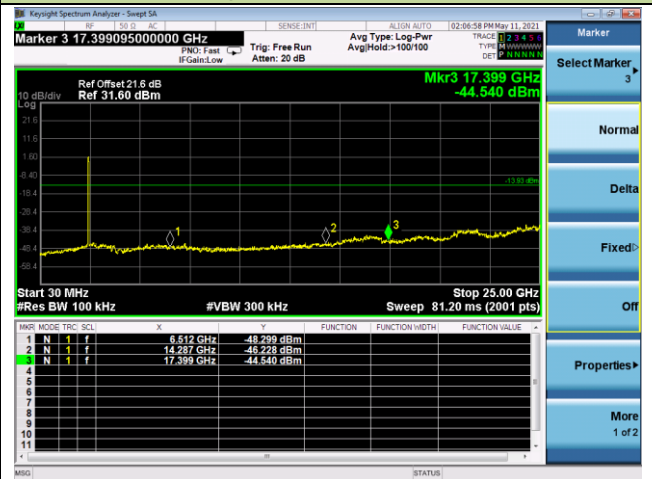


Channel 09 (2452MHz)

High Band Edge



Spurious Emission



5.6. Radiated Spurious Emission Measurement

5.6.1. 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 [$\mu\text{V}/\text{m}$]	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

5.6.2. Test Procedure

ANSI C63.10 - 2013 - Section 11.11 & 11.12

ANSI C63.10 - 2013 - Section 6.3 (General Requirements)

ANSI C63.10 - 2013 - Section 6.4 (Standard test method below 30MHz)

ANSI C63.10 - 2013 - Section 6.5 (Standard test method above 30MHz to 1GHz)

ANSI C63.10 - 2013 - Section 6.6 (Standard test method above 1GHz)

5.6.3. 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

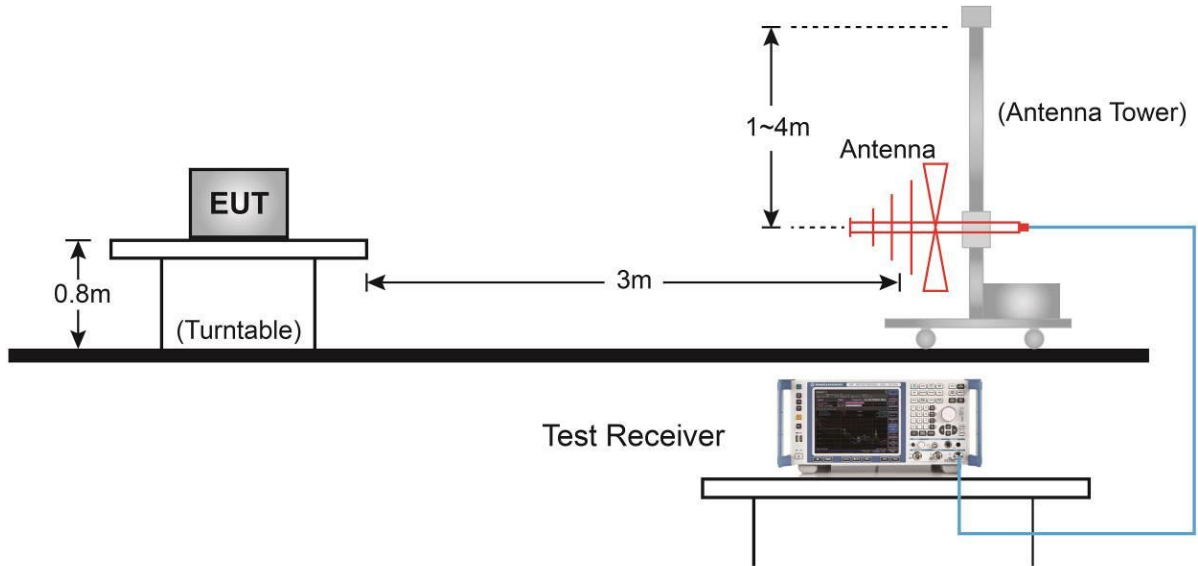
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

Average Measurements above 1GHz (Method VB)

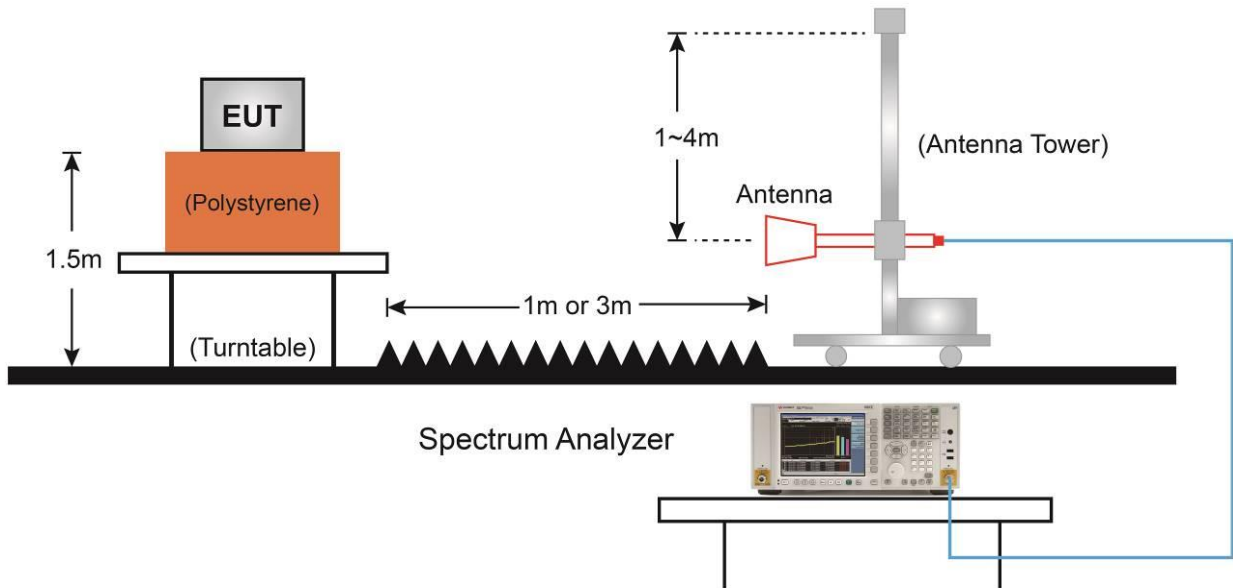
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW; If the EUT is configured to transmit with duty cycle $\geq 98\%$, set VBW = 10 Hz.
If the EUT duty cycle is $< 98\%$, set VBW $\geq 1/T$. T is the minimum transmission duration.
4.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

5.6.4. Test Setup

Below 1GHz Test Setup:



Above 1GHz Test Setup:



5.6.5. Test Result

Product	Kinetic VoIP Modem	Test Engineer	Hyde Yu
Test Date	2021/05/08	Test Site	WZ-AC2
Test Mode	802.11b	Test Channel	01
Note	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
	3907.0	42.8	0.8	43.6	74.0	-30.4	Peak	Horizontal
	4000.5	44.3	1.1	45.4	74.0	-28.6	Peak	Horizontal
	4825.0	39.9	4.4	44.3	74.0	-29.7	Peak	Horizontal
	4000.5	42.3	1.1	43.4	74.0	-30.6	Peak	Vertical
	4825.0	35.7	4.4	40.1	74.0	-33.9	Peak	Vertical
	7290.0	34.2	12.2	46.4	74.0	-27.6	Peak	Vertical

Note: 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	Kinetic VoIP Modem	Test Engineer	Hyde Yu
Test Date	2021/05/08	Test Site	WZ-AC2
Test Mode	802.11b	Test Channel	06
Note	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
	3907.0	42.2	0.8	43.0	74.0	-31.0	Peak	Horizontal
	4000.5	43.4	1.1	44.5	74.0	-29.5	Peak	Horizontal
	4876.0	42.1	4.4	46.5	74.0	-27.5	Peak	Horizontal
	4000.5	42.4	1.1	43.5	74.0	-30.5	Peak	Vertical
	4876.0	36.3	4.4	40.7	74.0	-33.3	Peak	Vertical
	7553.5	32.9	12.1	45.0	74.0	-29.0	Peak	Vertical

Note: 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	Kinetic VoIP Modem	Test Engineer	Hyde Yu
Test Date	2021/05/08	Test Site	WZ-AC2
Test Mode	802.11b	Test Channel	11
Note	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
	3907.0	42.3	0.8	43.1	74.0	-30.9	Peak	Horizontal
	4000.5	43.2	1.1	44.3	74.0	-29.7	Peak	Horizontal
	4927.0	44.7	4.6	49.3	74.0	-24.7	Peak	Horizontal
	4000.5	42.4	1.1	43.5	74.0	-30.5	Peak	Vertical
	4927.0	38.6	4.6	43.2	74.0	-30.8	Peak	Vertical
	7494.0	33.2	12.3	45.5	74.0	-28.5	Peak	Vertical

Note: 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	Kinetic VoIP Modem	Test Engineer	Hyde Yu
Test Date	2021/05/08	Test Site	WZ-AC2
Test Mode	802.11g	Test Channel	01
Note	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
	3907.0	42.6	0.8	43.4	74.0	-30.6	Peak	Horizontal
	4000.5	43.8	1.1	44.9	74.0	-29.1	Peak	Horizontal
	7587.5	33.5	12.2	45.7	74.0	-28.3	Peak	Horizontal
	4000.5	41.6	1.1	42.7	74.0	-31.3	Peak	Vertical
	4816.5	34.6	4.4	39.0	74.0	-35.0	Peak	Vertical
	7536.5	31.9	12.1	44.0	74.0	-30.0	Peak	Vertical

Note: 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	Kinetic VoIP Modem	Test Engineer	Hyde Yu
Test Date	2021/05/08	Test Site	WZ-AC2
Test Mode	802.11g	Test Channel	06
Note	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
	3907.0	42.6	0.8	43.4	74.0	-30.6	Peak	Horizontal
	4000.5	43.5	1.1	44.6	74.0	-29.4	Peak	Horizontal
	4867.5	37.0	4.5	41.5	74.0	-32.5	Peak	Horizontal
	4000.5	43.1	1.1	44.2	74.0	-29.8	Peak	Vertical
	4791.0	36.2	4.5	40.7	74.0	-33.3	Peak	Vertical
	7417.5	33.4	12.5	45.9	74.0	-28.1	Peak	Vertical

Note: 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	Kinetic VoIP Modem	Test Engineer	Hyde Yu
Test Date	2021/05/08	Test Site	WZ-AC2
Test Mode	802.11g	Test Channel	11
Note	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
	3907.0	43.2	0.8	44.0	74.0	-30.0	Peak	Horizontal
	4000.5	43.8	1.1	44.9	74.0	-29.1	Peak	Horizontal
	4782.5	35.8	4.5	40.3	74.0	-33.7	Peak	Horizontal
	4000.5	41.3	1.1	42.4	74.0	-31.6	Peak	Vertical
	4816.5	36.4	4.4	40.8	74.0	-33.2	Peak	Vertical
	7485.5	33.5	12.3	45.8	74.0	-28.2	Peak	Vertical

Note: 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	Kinetic VoIP Modem	Test Engineer	Hyde Yu
Test Date	2021/05/08	Test Site	WZ-AC2
Test Mode	802.11n-HT20	Test Channel	01
Note	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
	3907.0	42.8	0.8	43.6	74.0	-30.4	Peak	Horizontal
	4000.5	43.2	1.1	44.3	74.0	-29.7	Peak	Horizontal
	5139.5	35.9	4.8	40.7	74.0	-33.3	Peak	Horizontal
	4000.5	41.7	1.1	42.8	74.0	-31.2	Peak	Vertical
	4765.5	34.6	4.4	39.0	74.0	-35.0	Peak	Vertical
	7468.5	31.4	12.1	43.5	74.0	-30.5	Peak	Vertical

Note: 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	Kinetic VoIP Modem	Test Engineer	Hyde Yu
Test Date	2021/05/08	Test Site	WZ-AC2
Test Mode	802.11n-HT20	Test Channel	06
Note	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
	3907.0	43.4	0.8	44.2	74.0	-29.8	Peak	Horizontal
	4000.5	43.7	1.1	44.8	74.0	-29.2	Peak	Horizontal
	5088.5	36.5	4.7	41.2	74.0	-32.8	Peak	Horizontal
	4000.5	42.2	1.1	43.3	74.0	-30.7	Peak	Vertical
	5080.0	36.9	4.8	41.7	74.0	-32.3	Peak	Vertical
	7375.0	33.8	12.1	45.9	74.0	-28.1	Peak	Vertical

Note: 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	Kinetic VoIP Modem	Test Engineer	Hyde Yu
Test Date	2021/05/08	Test Site	WZ-AC2
Test Mode	802.11n-HT20	Test Channel	11
Note	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
	3907.0	43.6	0.8	44.4	74.0	-29.6	Peak	Horizontal
	4000.5	43.6	1.1	44.7	74.0	-29.3	Peak	Horizontal
	4918.5	35.7	4.6	40.3	74.0	-33.7	Peak	Horizontal
	4000.5	42.5	1.1	43.6	74.0	-30.4	Peak	Vertical
	4995.0	35.7	4.7	40.4	74.0	-33.6	Peak	Vertical
	7664.0	33.5	12.1	45.6	74.0	-28.4	Peak	Vertical

Note: 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	Kinetic VoIP Modem	Test Engineer	Hyde Yu
Test Date	2021/05/08	Test Site	WZ-AC2
Test Mode	802.11n-HT40	Test Channel	03
Note	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
	3907.0	43.2	0.8	44.0	74.0	-30.0	Peak	Horizontal
	4000.5	43.5	1.1	44.6	74.0	-29.4	Peak	Horizontal
	4927.0	34.9	4.6	39.5	74.0	-34.5	Peak	Horizontal
	4000.5	42.1	1.1	43.2	74.0	-30.8	Peak	Vertical
	4918.5	36.3	4.6	40.9	74.0	-33.1	Peak	Vertical
	7434.5	33.3	12.4	45.7	74.0	-28.3	Peak	Vertical

Note: 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	Kinetic VoIP Modem	Test Engineer	Hyde Yu
Test Date	2021/05/08	Test Site	WZ-AC2
Test Mode	802.11n-HT40	Test Channel	06
Note	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
	3907.0	44.0	0.8	44.8	74.0	-29.2	Peak	Horizontal
	4000.5	44.6	1.1	45.7	74.0	-28.3	Peak	Horizontal
	4782.5	35.7	4.5	40.2	74.0	-33.8	Peak	Horizontal
	4000.5	42.4	1.1	43.5	74.0	-30.5	Peak	Vertical
	4799.5	35.6	4.5	40.1	74.0	-33.9	Peak	Vertical
	7519.5	33.5	12.1	45.6	74.0	-28.4	Peak	Vertical

Note: 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	Kinetic VoIP Modem	Test Engineer	Hyde Yu
Test Date	2021/05/08	Test Site	WZ-AC2
Test Mode	802.11n-HT40	Test Channel	09
Note	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
	3907.0	43.9	0.8	44.7	74.0	-29.3	Peak	Horizontal
	4000.5	43.8	1.1	44.9	74.0	-29.1	Peak	Horizontal
	5071.5	36.0	4.9	40.9	74.0	-33.1	Peak	Horizontal
	4000.5	43.0	1.1	44.1	74.0	-29.9	Peak	Vertical
	5003.5	36.7	4.6	41.3	74.0	-32.7	Peak	Vertical
	7502.5	33.6	12.3	45.9	74.0	-28.1	Peak	Vertical

Note: 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	Kinetic VoIP Modem	Test Engineer	Hyde Yu
Test Date	2021/05/08	Test Site	WZ-AC2
Test Mode	802.11ax-HE20	Test Channel	01
Note	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
	3907.0	44.4	0.8	45.2	74.0	-28.8	Peak	Horizontal
	4000.5	44.3	1.1	45.4	74.0	-28.6	Peak	Horizontal
	5071.5	35.7	4.9	40.6	74.0	-33.4	Peak	Horizontal
	4000.5	42.3	1.1	43.4	74.0	-30.6	Peak	Vertical
	5003.5	36.6	4.6	41.2	74.0	-32.8	Peak	Vertical
	7536.5	31.6	12.1	43.7	74.0	-30.3	Peak	Vertical

Note: 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	Kinetic VoIP Modem	Test Engineer	Hyde Yu
Test Date	2021/05/08	Test Site	WZ-AC2
Test Mode	802.11ax-HE20	Test Channel	06
Note	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
	3907.0	44.2	0.8	45.0	74.0	-29.0	Peak	Horizontal
	4000.5	44.1	1.1	45.2	74.0	-28.8	Peak	Horizontal
	5105.5	36.5	4.7	41.2	74.0	-32.8	Peak	Horizontal
	4000.5	42.0	1.1	43.1	74.0	-30.9	Peak	Vertical
	4876.0	35.8	4.4	40.2	74.0	-33.8	Peak	Vertical
	7341.0	33.9	12.3	46.2	74.0	-27.8	Peak	Vertical

Note: 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	Kinetic VoIP Modem	Test Engineer	Hyde Yu
Test Date	2021/05/08	Test Site	WZ-AC2
Test Mode	802.11ax-HE20	Test Channel	11
Note	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
	3907.0	44.0	0.8	44.8	74.0	-29.2	Peak	Horizontal
	4000.5	43.6	1.1	44.7	74.0	-29.3	Peak	Horizontal
	4757.0	35.7	4.4	40.1	74.0	-33.9	Peak	Horizontal
	4000.5	42.8	1.1	43.9	74.0	-30.1	Peak	Vertical
	5003.5	36.7	4.6	41.3	74.0	-32.7	Peak	Vertical
	7485.5	34.0	12.3	46.3	74.0	-27.7	Peak	Vertical

Note: 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	Kinetic VoIP Modem	Test Engineer	Hyde Yu
Test Date	2021/05/08	Test Site	WZ-AC2
Test Mode	802.11ax-HE40	Test Channel	03
Note	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
	3907.0	44.6	0.8	45.4	74.0	-28.6	Peak	Horizontal
	4000.5	45.0	1.1	46.1	74.0	-27.9	Peak	Horizontal
	4833.5	36.2	4.4	40.6	74.0	-33.4	Peak	Horizontal
	4000.5	42.4	1.1	43.5	74.0	-30.5	Peak	Vertical
	5122.5	37.5	4.8	42.3	74.0	-31.7	Peak	Vertical
	7426.0	33.4	12.5	45.9	74.0	-28.1	Peak	Vertical

Note: 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	Kinetic VoIP Modem	Test Engineer	Hyde Yu
Test Date	2021/05/08	Test Site	WZ-AC2
Test Mode	802.11ax-HE40	Test Channel	06
Note	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
	3907.0	45.4	0.8	46.2	74.0	-27.8	Peak	Horizontal
	4000.5	43.7	1.1	44.8	74.0	-29.2	Peak	Horizontal
	4859.0	35.9	4.5	40.4	74.0	-33.6	Peak	Horizontal
	4000.5	42.2	1.1	43.3	74.0	-30.7	Peak	Vertical
	4757.0	36.3	4.4	40.7	74.0	-33.3	Peak	Vertical
	7562.0	33.7	12.2	45.9	74.0	-28.1	Peak	Vertical

Note: 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	Kinetic VoIP Modem	Test Engineer	Hyde Yu
Test Date	2021/05/08	Test Site	WZ-AC2
Test Mode	802.11ax-HE40	Test Channel	09
Note	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.		

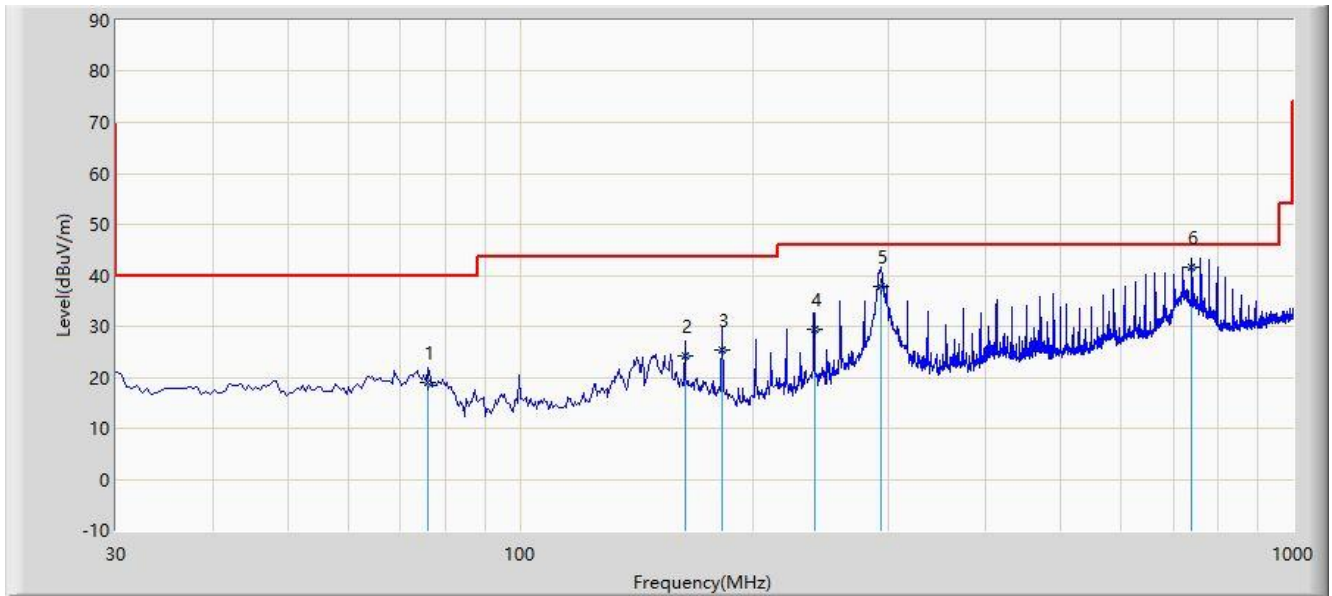
Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	3907.0	44.0	0.8	44.8	74.0	-29.2	Peak	Horizontal
	4000.5	43.0	1.1	44.1	74.0	-29.9	Peak	Horizontal
	5063.0	36.0	4.9	40.9	74.0	-33.1	Peak	Horizontal
	4000.5	42.0	1.1	43.1	74.0	-30.9	Peak	Vertical
	5003.5	36.6	4.6	41.2	74.0	-32.8	Peak	Vertical
	7553.5	33.6	12.1	45.7	74.0	-28.3	Peak	Vertical

Note: 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 Worst Case of Radiated Emission below 1GHz:

Site: WZ-AC1	Time: 2021/05/11 - 20:44
Limit: FCC_Part15.209_RE(3m)	Engineer: Tommy Tang
Probe: WZ-AC1_VULB 9168 _30-1000MHz	Polarity: Horizontal
EUT: Kinetic VoIP Modem	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2437MHz	



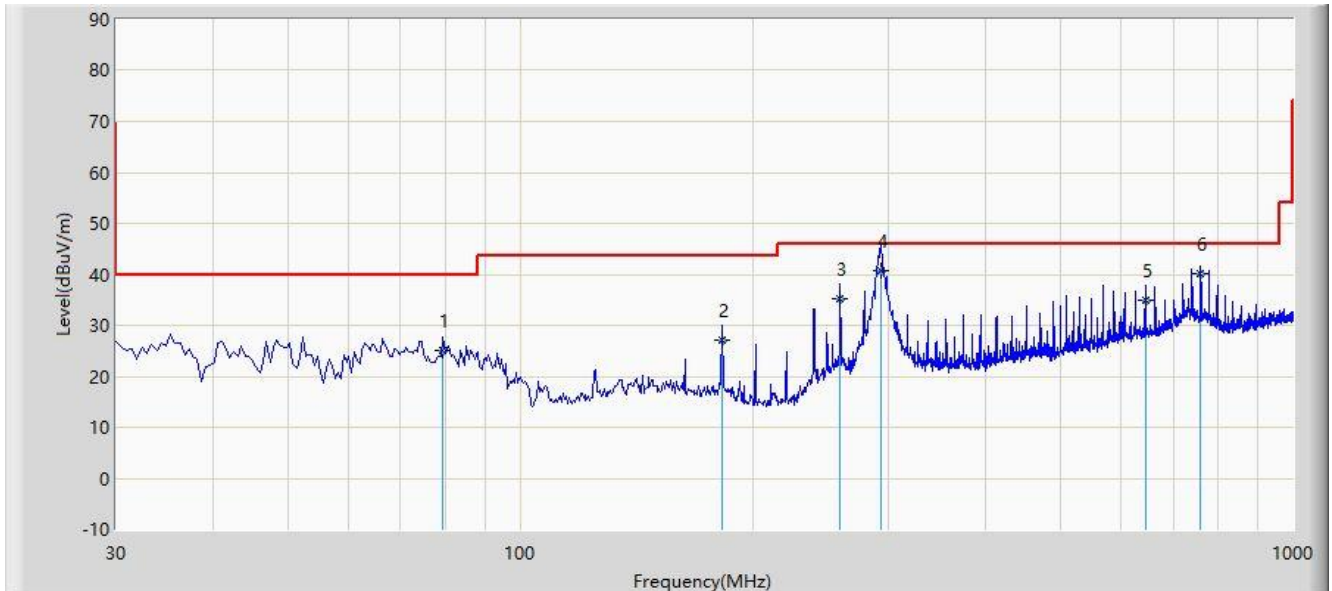
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			76.075	18.849	4.100	-21.151	40.000	14.749	QP
2			163.375	24.276	6.500	-19.224	43.500	17.775	QP
3			182.290	25.375	9.200	-18.125	43.500	16.175	QP
4			240.490	29.520	13.200	-16.480	46.000	16.320	QP
5			292.870	37.845	19.700	-8.155	46.000	18.145	QP
6		*	740.525	41.637	13.700	-4.363	46.000	27.937	QP

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: WZ-AC1	Time: 2021/05/11 - 20:48
Limit: FCC_Part15.209_RE(3m)	Engineer: Tommy Tang
Probe: WZ-AC1_VULB 9168 _30-1000MHz	Polarity: Vertical
EUT: Kinetic VoIP Modem	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2437MHz	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			79.470	24.935	11.300	-15.065	40.000	13.635	QP
2			182.290	27.075	10.900	-16.425	43.500	16.175	QP
3			259.405	35.097	18.300	-10.903	46.000	16.797	QP
4		*	292.870	40.845	22.700	-5.155	46.000	18.145	QP
5			644.495	34.948	8.700	-11.052	46.000	26.248	QP
6			759.925	40.268	12.100	-5.732	46.000	28.168	QP

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.

5.7. Radiated Restricted Band Edge Measurement

5.7.1. 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 [$\mu\text{V}/\text{m}$]	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

5.7.2. Test Procedure

ANSI C63.10-2013 Section 6.3

ANSI C63.10-2013 Section 6.6

ANSI C63.10-2013 Section 11.13

5.7.3. Test Setting

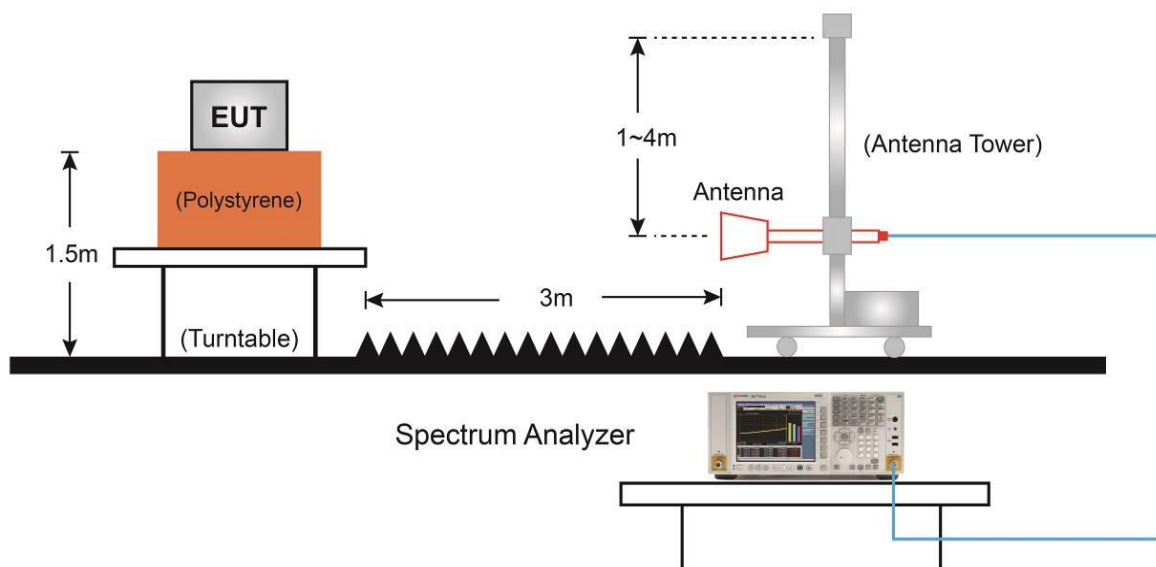
Peak Field Strength Measurements

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

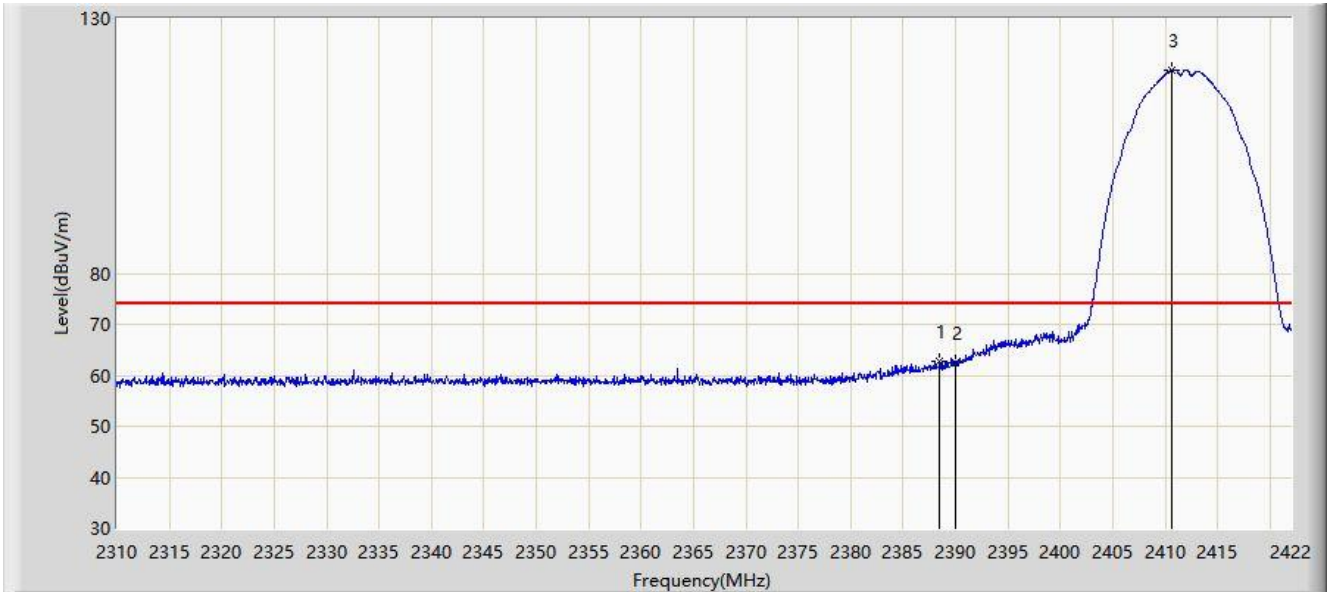
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW $\geq 1/T$
4. As an alternative, the instrument may be set to linear detector mode. Ensure that video filtering is applied in linear voltage domain (rather than in a log or dB domain). 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

5.7.4. Test Setup



5.7.5. Test Result

Site: WZ-AC1	Time: 2021/04/30 - 00:21
Limit: FCC_Part15.209_RE(3m)	Engineer: Tommy Tang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Kinetic VoIP Modem	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2412MHz	

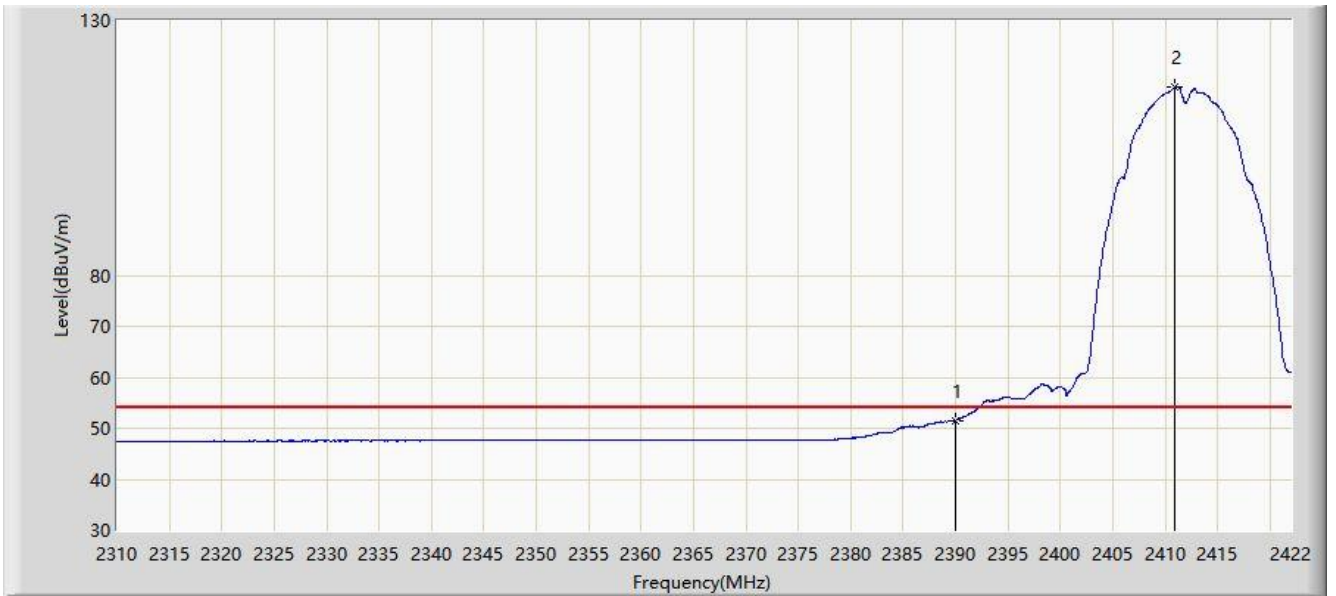


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB)	Type
1			2388.456	62.801	31.736	-11.199	74.000	31.065	PK
2			2390.000	62.407	31.343	-11.593	74.000	31.064	PK
3		*	2410.688	119.918	88.927	N/A	N/A	30.991	PK

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

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

Site: WZ-AC1	Time: 2021/04/30 - 00:19
Limit: FCC_Part15.209_RE(3m)	Engineer: Tommy Tang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Kinetic VoIP Modem	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2412MHz	

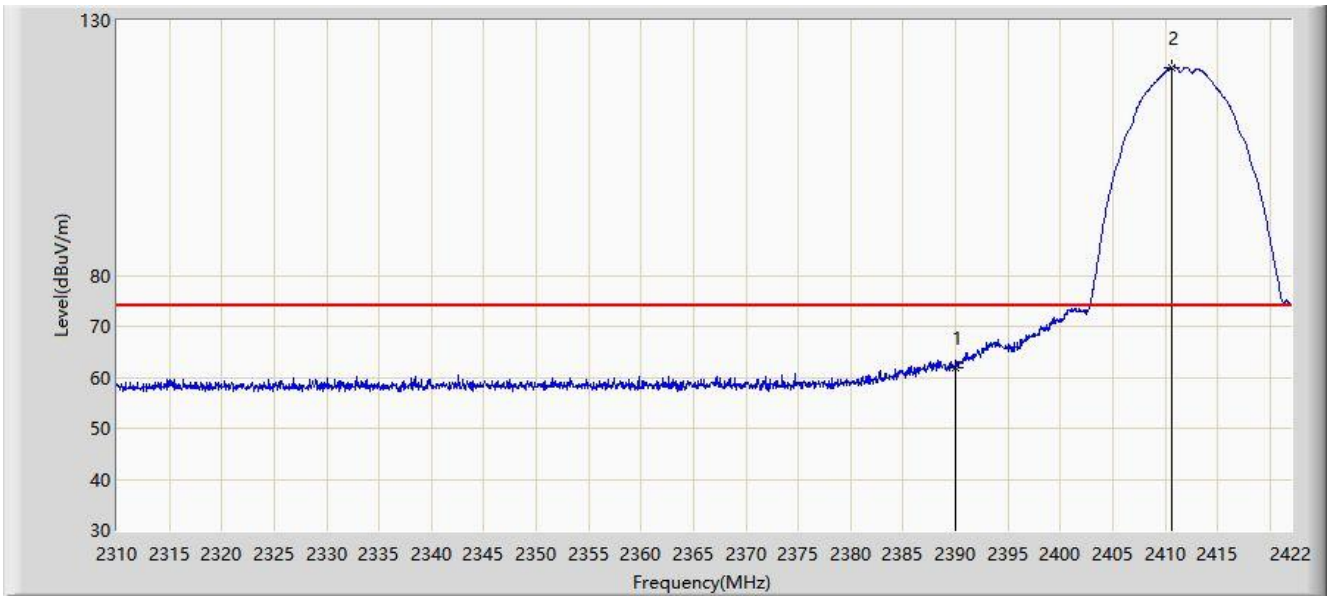


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB)	Type
1			2390.000	51.537	20.473	-2.463	54.000	31.064	AV
2	X	*	2410.968	116.813	85.823	N/A	N/A	30.990	AV

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

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

Site: WZ-AC1	Time: 2021/04/30 - 00:22
Limit: FCC_Part15.209_RE(3m)	Engineer: Tommy Tang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Kinetic VoIP Modem	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2412MHz	

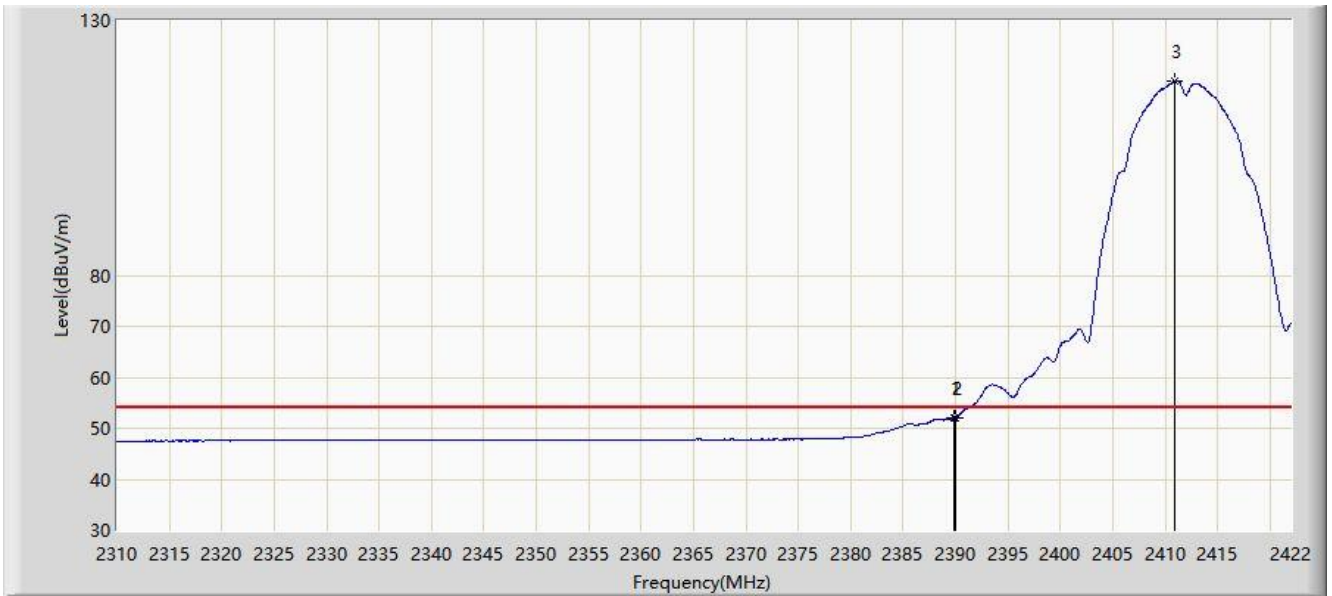


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB)	Type
1			2390.000	61.960	30.896	-12.040	74.000	31.064	PK
2		*	2410.688	120.848	89.857	N/A	N/A	30.991	PK

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

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

Site: WZ-AC1	Time: 2021/04/30 - 00:15
Limit: FCC_Part15.209_RE(3m)	Engineer: Tommy Tang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Kinetic VoIP Modem	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2412MHz	

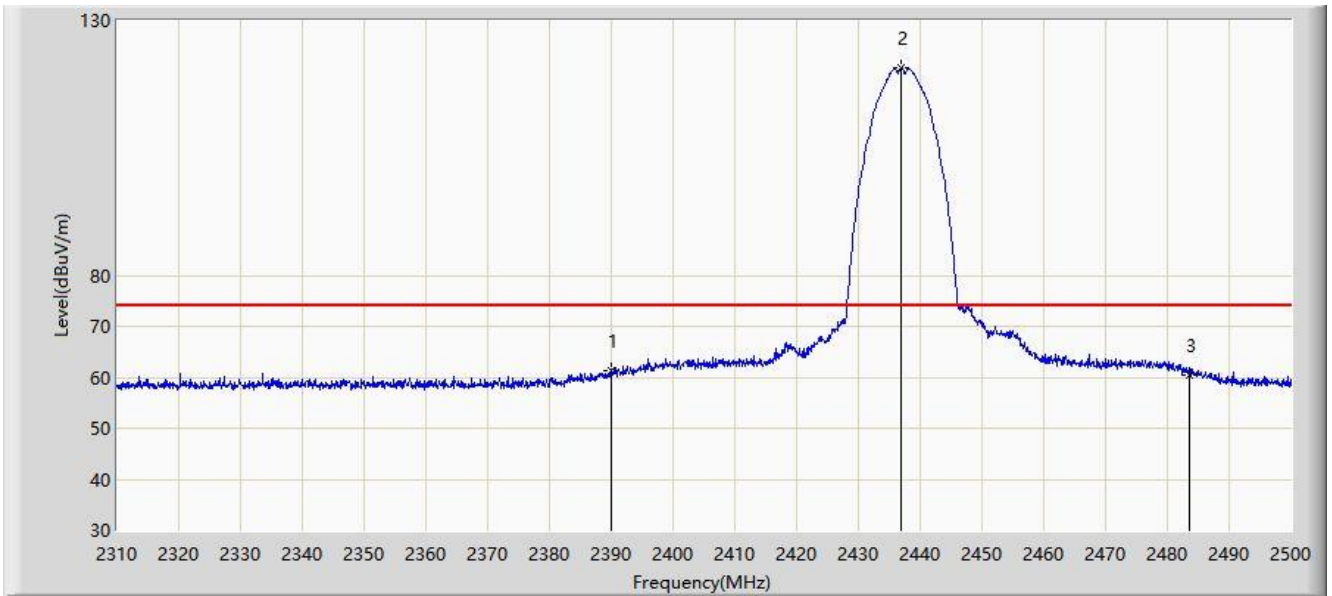


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			2389.856	52.093	21.029	-1.907	54.000	31.064	AV
2			2390.000	51.970	20.906	-2.030	54.000	31.064	AV
3	X	*	2410.856	118.062	87.072	N/A	N/A	30.991	AV

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

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

Site: WZ-AC1	Time: 2021/04/30 - 00:31
Limit: FCC_Part15.209_RE(3m)	Engineer: Tommy Tang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Kinetic VoIP Modem	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2437MHz	

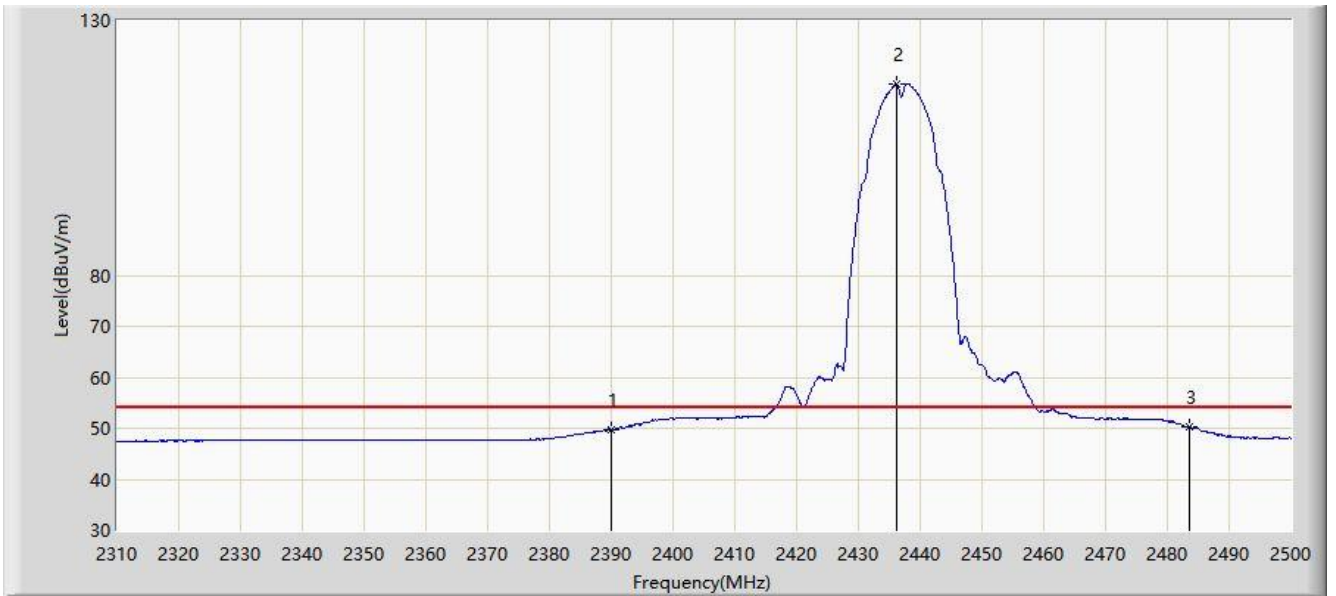


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB)	Type
1			2390.000	61.383	30.319	-12.617	74.000	31.064	PK
2		*	2436.825	120.606	89.669	N/A	N/A	30.937	PK
3			2483.500	60.458	29.528	-13.542	74.000	30.931	PK

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

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

Site: WZ-AC1	Time: 2021/04/30 - 00:28
Limit: FCC_Part15.209_RE(3m)	Engineer: Tommy Tang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Kinetic VoIP Modem	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2437MHz	

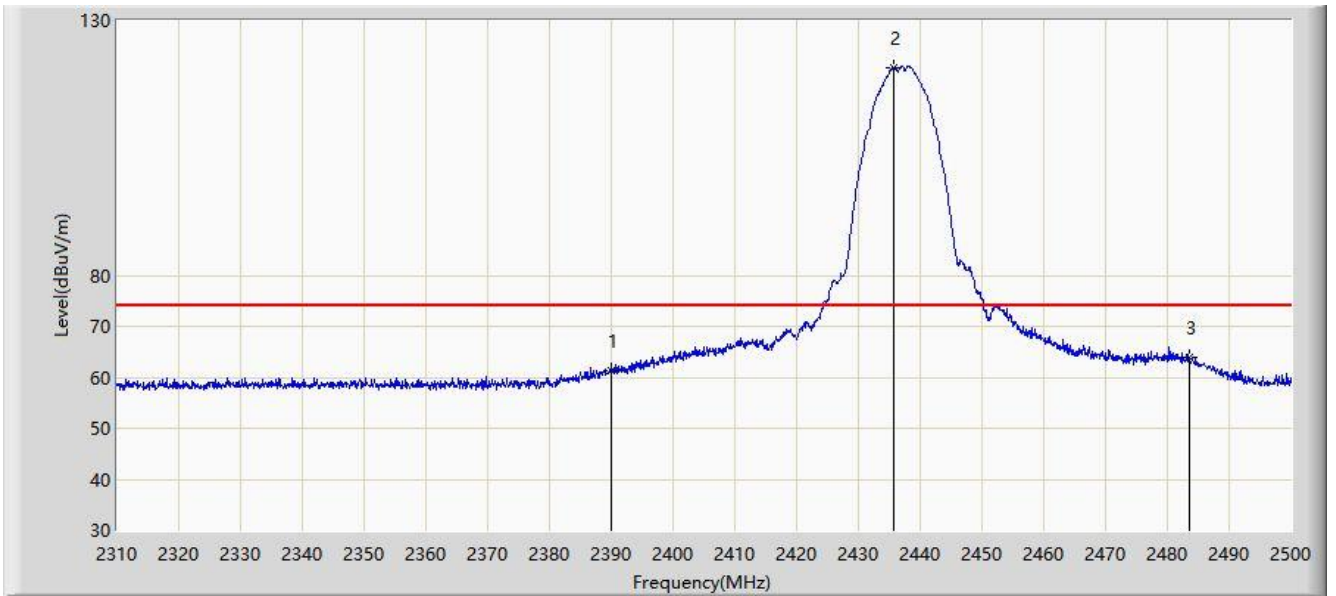


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			2390.000	49.769	18.705	-4.231	54.000	31.064	AV
2	X	*	2436.160	117.425	86.489	N/A	N/A	30.936	AV
3			2483.500	50.245	19.315	-3.755	54.000	30.931	AV

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

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

Site: WZ-AC1	Time: 2021/04/30 - 00:32
Limit: FCC_Part15.209_RE(3m)	Engineer: Tommy Tang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Kinetic VoIP Modem	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2437MHz	

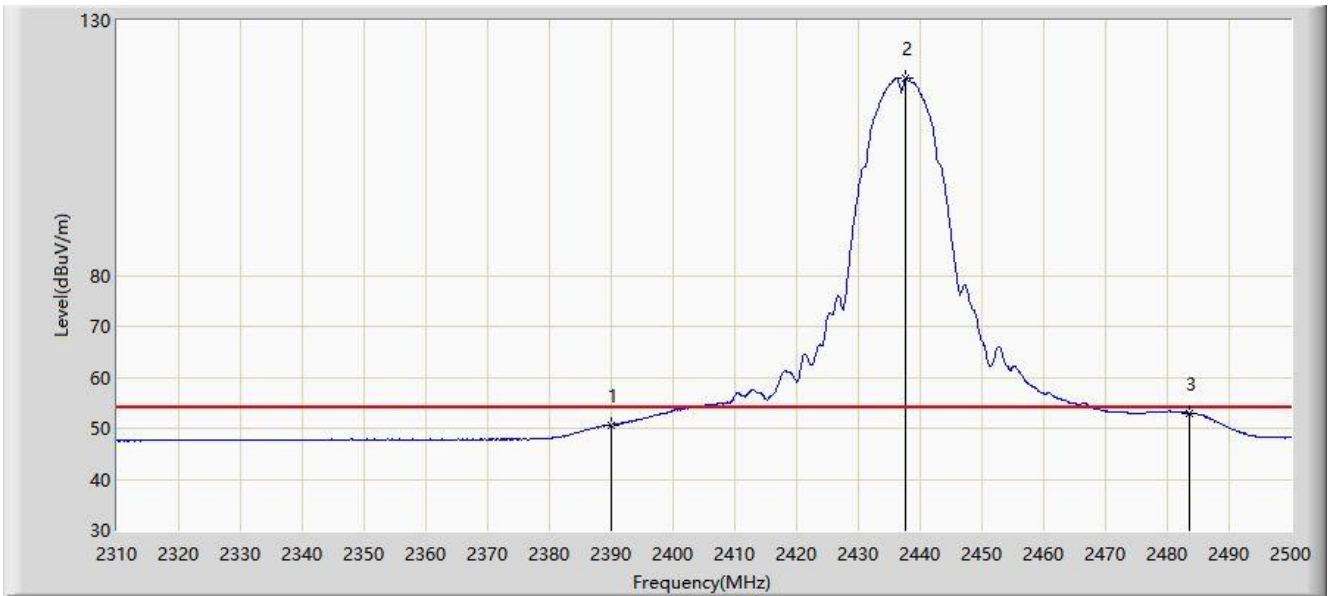


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB)	Type
1			2390.000	61.277	30.213	-12.723	74.000	31.064	PK
2		*	2435.780	120.857	89.922	N/A	N/A	30.936	PK
3			2483.500	63.823	32.893	-10.177	74.000	30.931	PK

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

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

Site: WZ-AC1	Time: 2021/04/30 - 00:24
Limit: FCC_Part15.209_RE(3m)	Engineer: Tommy Tang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Kinetic VoIP Modem	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2437MHz	

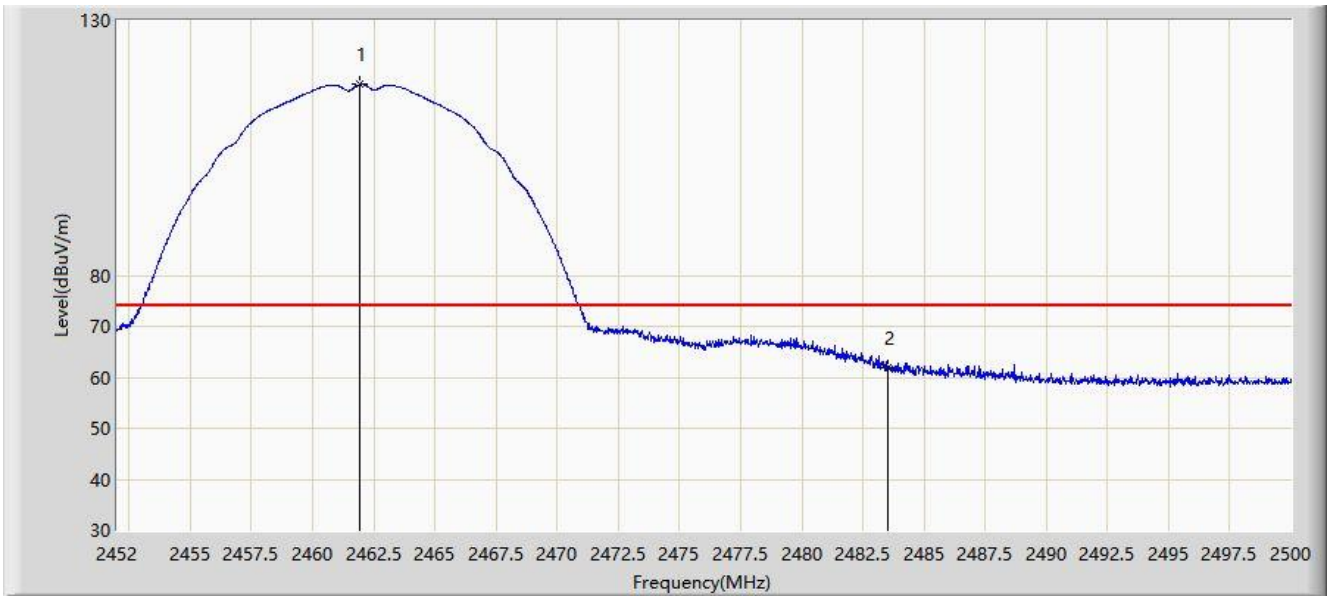


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			2390.000	50.708	19.644	-3.292	54.000	31.064	AV
2	X	*	2437.680	118.665	87.727	N/A	N/A	30.938	AV
3			2483.500	52.915	21.985	-1.085	54.000	30.931	AV

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

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

Site: WZ-AC1	Time: 2021/04/30 - 00:43
Limit: FCC_Part15.209_RE(3m)	Engineer: Tommy Tang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Kinetic VoIP Modem	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2462MHz	

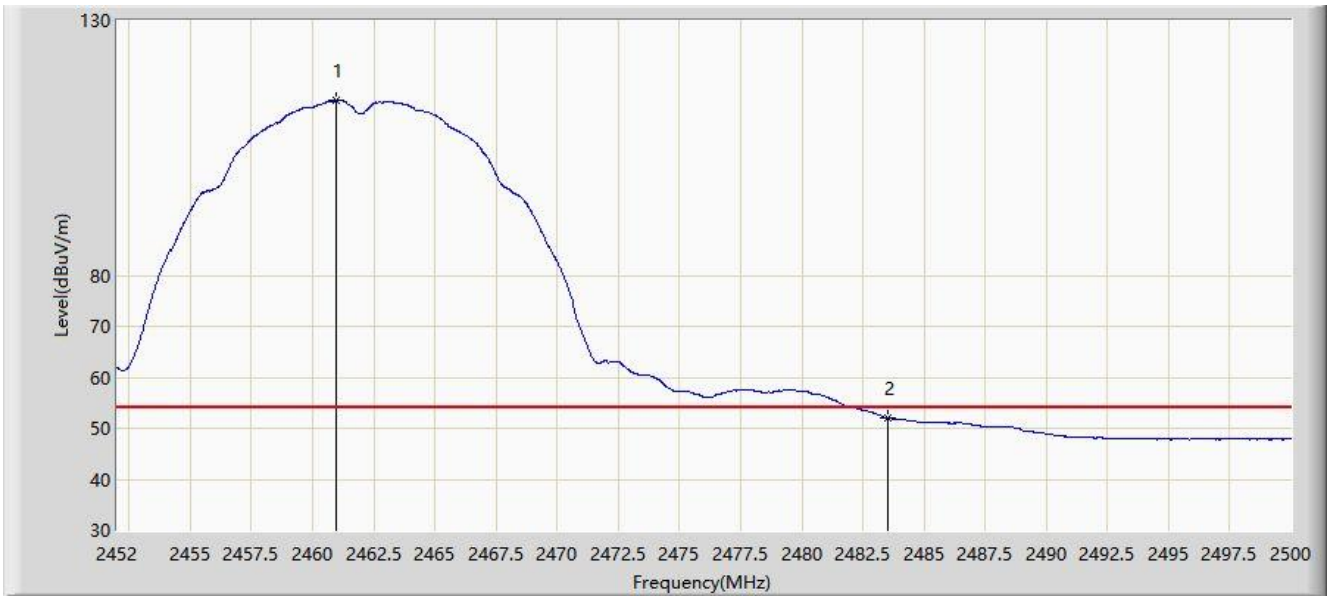


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB)	Type
1		*	2461.936	117.425	86.515	N/A	N/A	30.910	PK
2			2483.500	61.764	30.834	-12.236	74.000	30.931	PK

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

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

Site: WZ-AC1	Time: 2021/04/30 - 00:42
Limit: FCC_Part15.209_RE(3m)	Engineer: Tommy Tang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Kinetic VoIP Modem	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2462MHz	

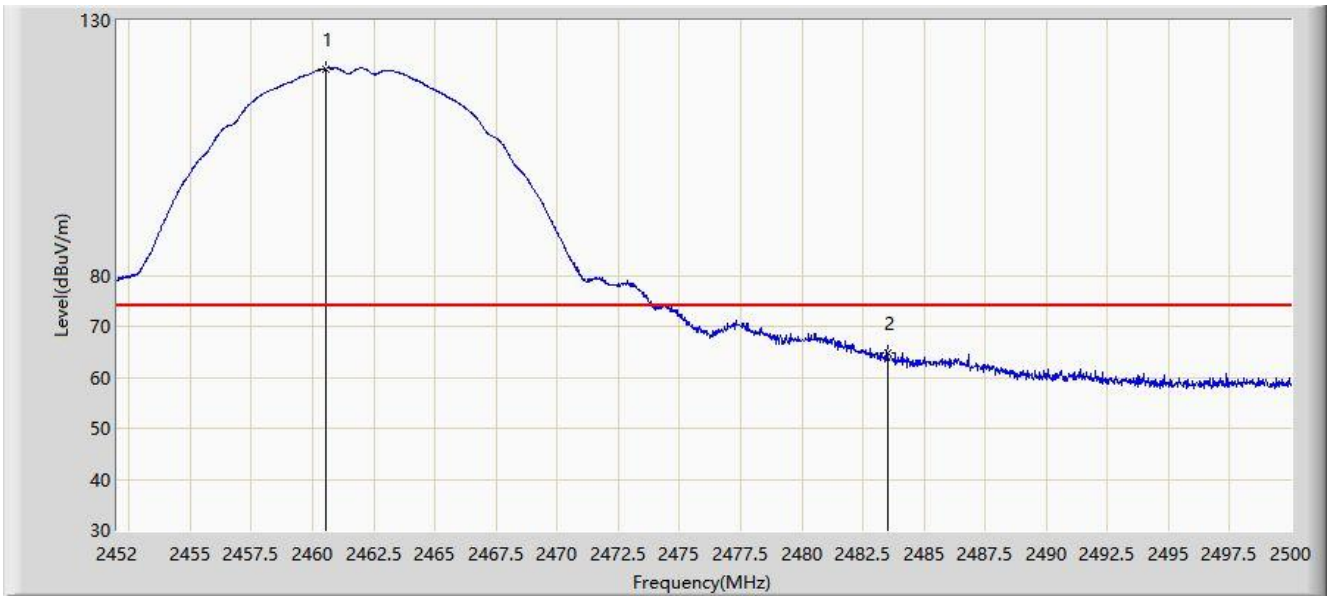


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	X	*	2460.952	114.333	83.422	N/A	N/A	30.911	AV
2			2483.500	51.922	20.992	-2.078	54.000	30.931	AV

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

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

Site: WZ-AC1	Time: 2021/04/30 - 00:45
Limit: FCC_Part15.209_RE(3m)	Engineer: Tommy Tang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Kinetic VoIP Modem	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2462MHz	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB)	Type
1		*	2460.544	120.561	89.649	N/A	N/A	30.912	PK
2			2483.500	64.802	33.872	-9.198	74.000	30.931	PK

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

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

Site: WZ-AC1	Time: 2021/04/30 - 00:41
Limit: FCC_Part15.209_RE(3m)	Engineer: Tommy Tang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Kinetic VoIP Modem	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2462MHz	

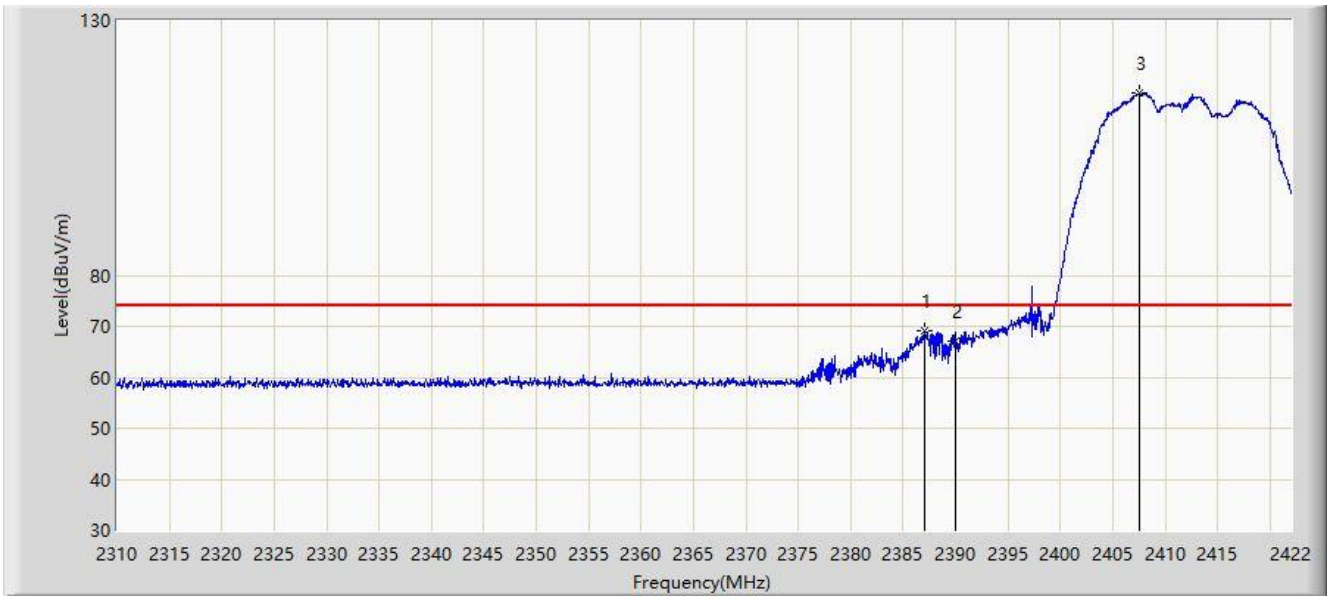


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	X	*	2461.120	117.740	86.829	N/A	N/A	30.911	AV
2			2483.500	53.701	22.771	-0.299	54.000	30.931	AV

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

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

Site: WZ-AC1	Time: 2021/04/30 - 01:09
Limit: FCC_Part15.209_RE(3m)	Engineer: Tommy Tang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Kinetic VoIP Modem	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2412MHz	

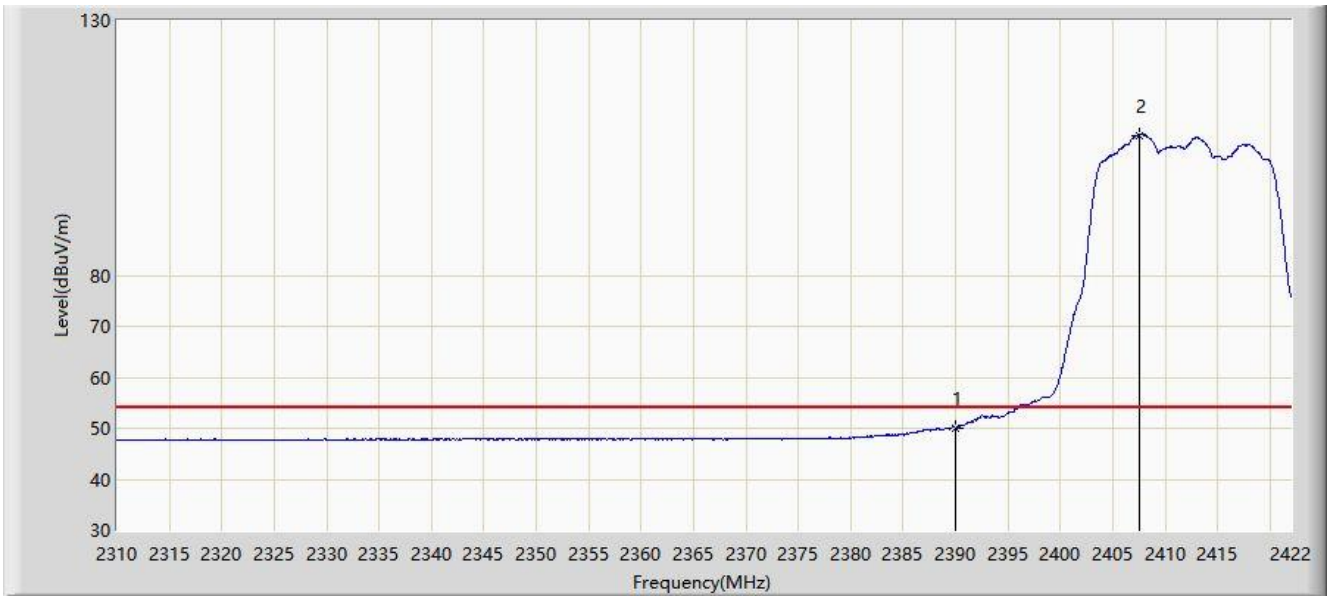


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2387.112	69.132	38.066	-4.868	74.000	31.066	PK
2			2390.000	67.034	35.970	-6.966	74.000	31.064	PK
3		*	2407.496	115.755	84.777	N/A	N/A	30.978	PK

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

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

Site: WZ-AC1	Time: 2021/04/30 - 01:12
Limit: FCC_Part15.209_RE(3m)	Engineer: Tommy Tang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Kinetic VoIP Modem	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2412MHz	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB)	Type
1			2390.000	50.128	19.064	-3.872	54.000	31.064	AV
2		*	2407.496	107.510	76.500	N/A	N/A	31.010	AV

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

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

Site: WZ-AC1	Time: 2021/04/30 - 01:07
Limit: FCC_Part15.209_RE(3m)	Engineer: Tommy Tang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Kinetic VoIP Modem	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2412MHz	

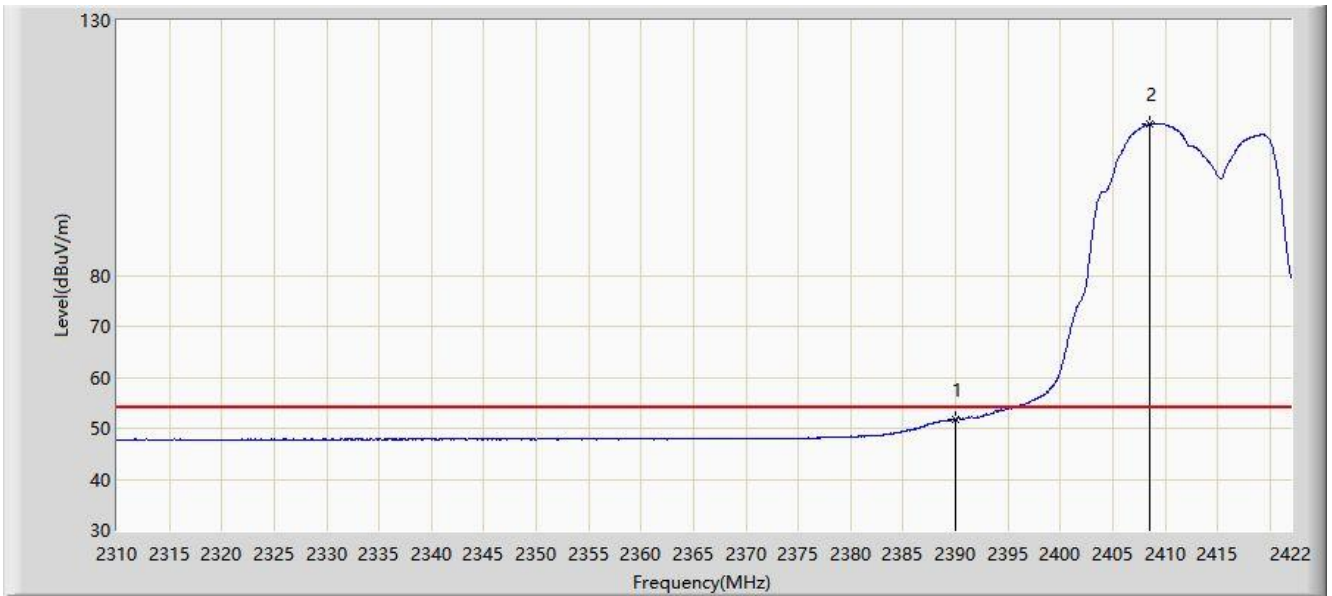


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB)	Type
1			2382.184	69.625	38.555	-4.375	74.000	31.070	PK
2			2390.000	69.649	38.585	-4.351	74.000	31.064	PK
3		*	2405.760	116.872	85.885	N/A	N/A	30.987	PK

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

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

Site: WZ-AC1	Time: 2021/04/30 - 01:13
Limit: FCC_Part15.209_RE(3m)	Engineer: Tommy Tang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Kinetic VoIP Modem	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2412MHz	

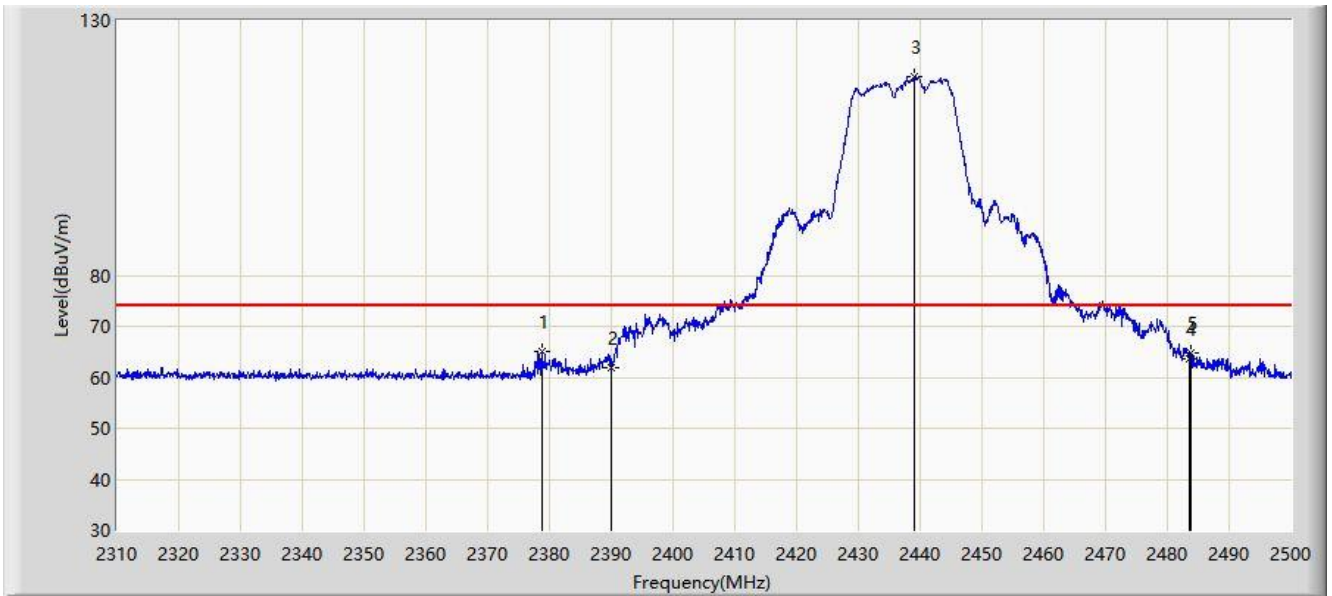


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	51.705	20.641	-2.295	54.000	31.064	AV
2		*	2408.504	109.679	78.675	N/A	N/A	31.004	AV

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

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

Site: WZ-AC1	Time: 2021/04/30 - 14:37
Limit: FCC_Part15.209_RE(3m)	Engineer: Tommy Tang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Kinetic VoIP Modem	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2437MHz	

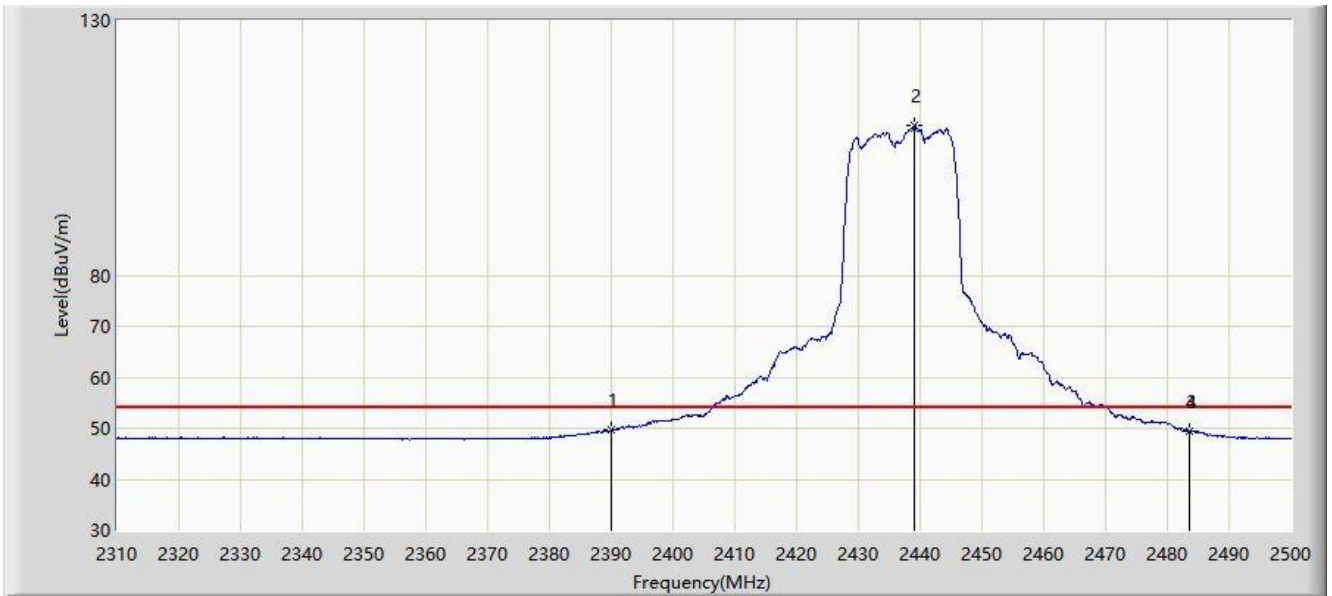


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2378.780	64.934	33.859	-9.066	74.000	31.075	PK
2			2390.000	61.837	30.773	-12.163	74.000	31.064	PK
3		*	2439.105	118.848	87.910	N/A	N/A	30.938	PK
4			2483.500	63.577	32.647	-10.423	74.000	30.931	PK
5			2483.850	64.654	33.723	-9.346	74.000	30.931	PK

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

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

Site: WZ-AC1	Time: 2021/04/30 - 14:38
Limit: FCC_Part15.209_RE(3m)	Engineer: Tommy Tang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Kinetic VoIP Modem	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2437MHz	

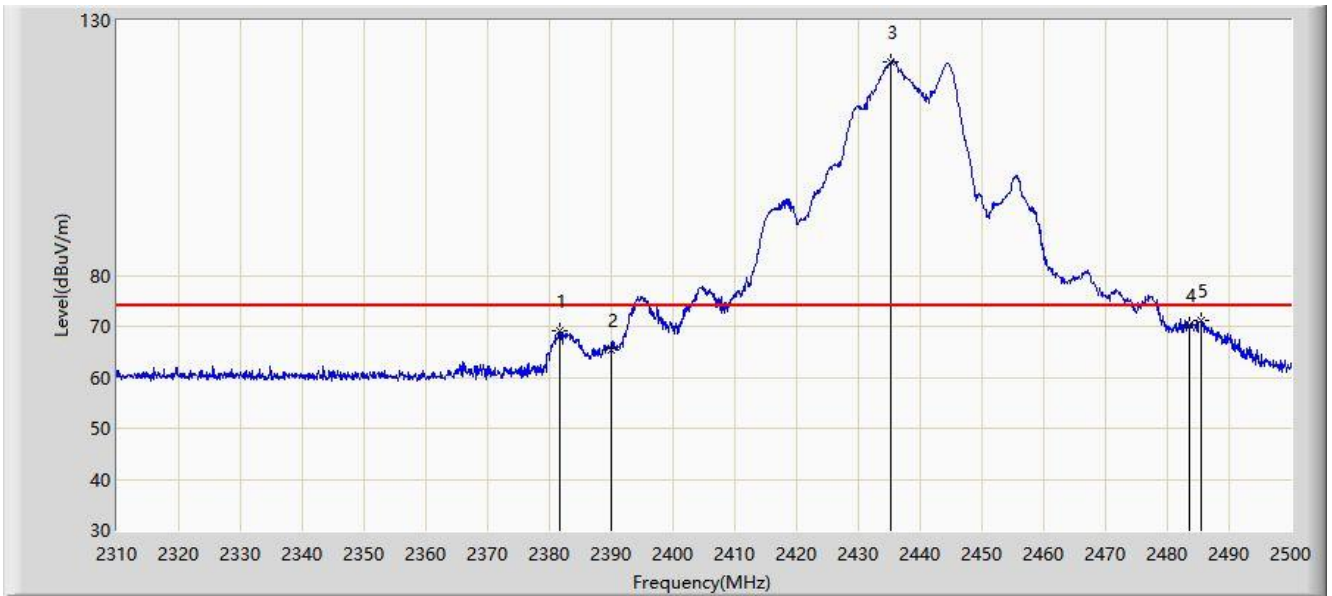


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	49.638	18.574	-4.362	54.000	31.064	AV
2	X	*	2439.105	109.374	78.436	N/A	N/A	30.938	AV
3			2483.500	49.532	18.602	-4.468	54.000	30.931	AV
4			2483.565	49.539	18.608	-4.461	54.000	30.931	AV

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

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

Site: WZ-AC1	Time: 2021/04/30 - 14:38
Limit: FCC_Part15.209_RE(3m)	Engineer: Tommy Tang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Kinetic VoIP Modem	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2437MHz	

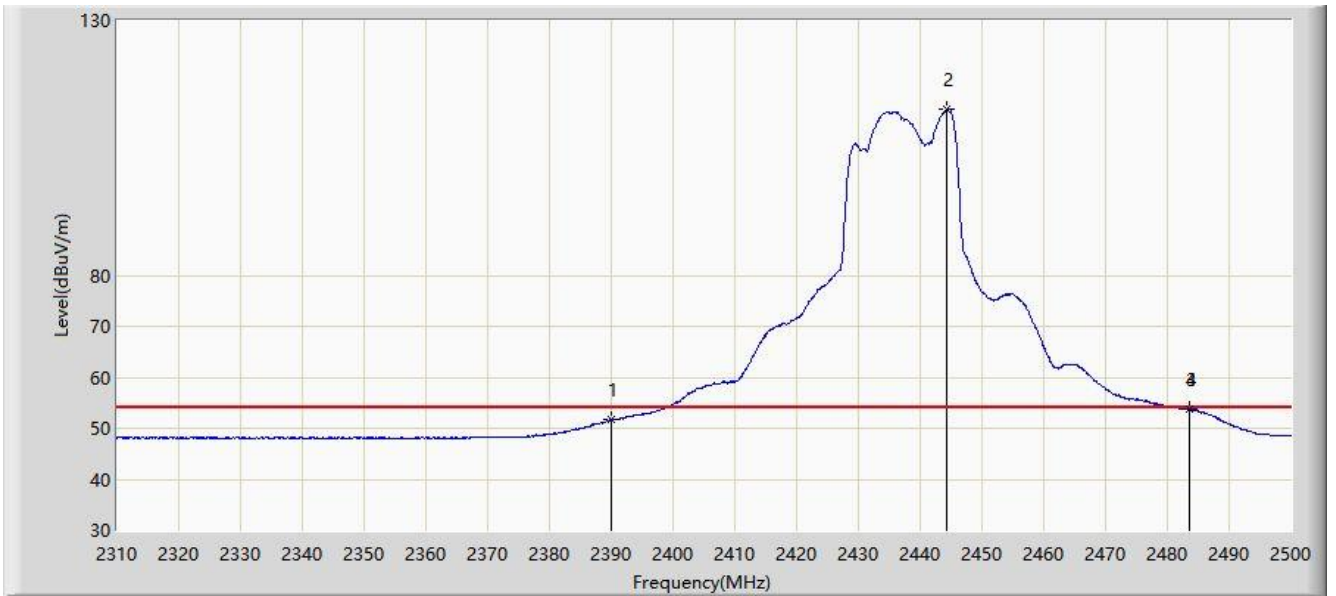


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2381.630	69.017	37.946	-4.983	74.000	31.071	PK
2			2390.000	65.440	34.376	-8.560	74.000	31.064	PK
3		*	2435.305	121.850	90.915	N/A	N/A	30.935	PK
4			2483.500	70.195	39.265	-3.805	74.000	30.931	PK
5			2485.370	71.111	40.176	-2.889	74.000	30.935	PK

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

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

Site: WZ-AC1	Time: 2021/04/30 - 14:41
Limit: FCC_Part15.209_RE(3m)	Engineer: Tommy Tang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Kinetic VoIP Modem	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2437MHz	

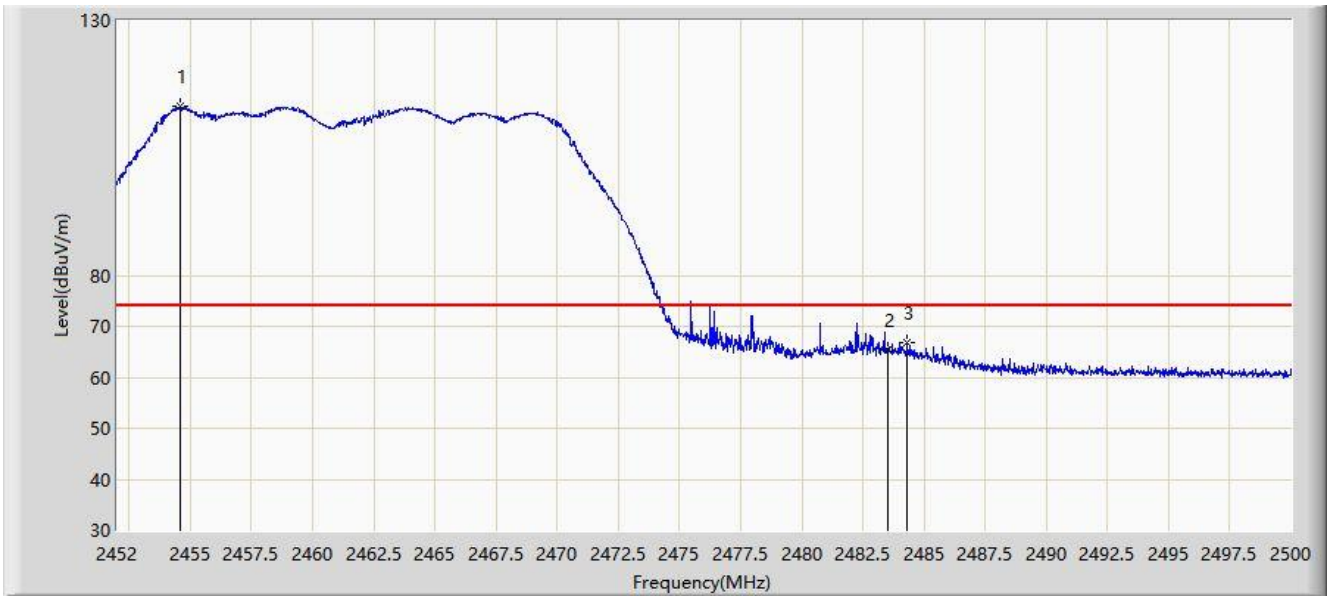


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB)	Type
1			2390.000	51.674	20.610	-2.326	54.000	31.064	AV
2	X	*	2444.235	112.612	81.675	N/A	N/A	30.937	AV
3			2483.500	53.741	22.811	-0.259	54.000	30.931	AV
4			2483.660	53.873	22.942	-0.127	54.000	30.931	AV

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

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

Site: WZ-AC1	Time: 2021/04/30 - 15:48
Limit: FCC_Part15.209_RE(3m)	Engineer: Tommy Tang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Kinetic VoIP Modem	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2462MHz	

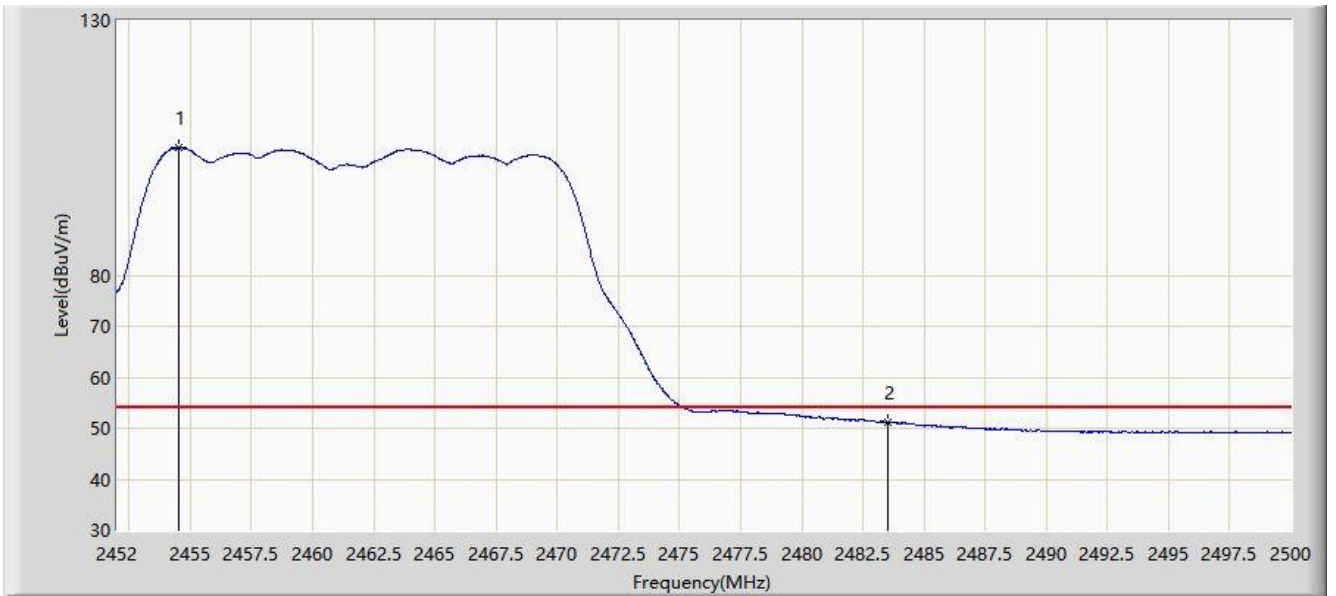


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB)	Type
1		*	2454.616	113.220	82.300	N/A	N/A	30.920	PK
2			2483.500	65.274	34.344	-8.726	74.000	30.931	PK
3			2484.328	66.818	35.886	-7.182	74.000	30.933	PK

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

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

Site: WZ-AC1	Time: 2021/04/30 - 15:46
Limit: FCC_Part15.209_RE(3m)	Engineer: Tommy Tang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Kinetic VoIP Modem	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2462MHz	

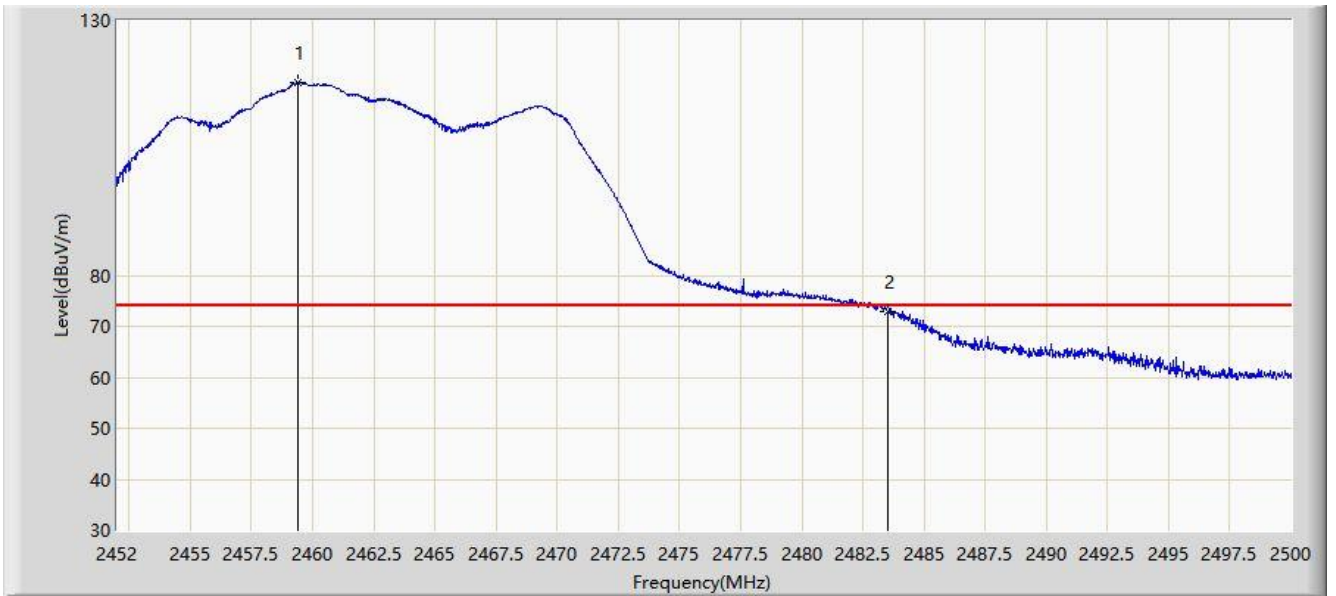


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB)	Type
1		*	2454.520	105.006	74.086	N/A	N/A	30.920	AV
2			2483.500	51.203	20.273	-2.797	54.000	30.931	AV

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

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

Site: WZ-AC1	Time: 2021/04/30 - 15:34
Limit: FCC_Part15.209_RE(3m)	Engineer: Tommy Tang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Kinetic VoIP Modem	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2462MHz	

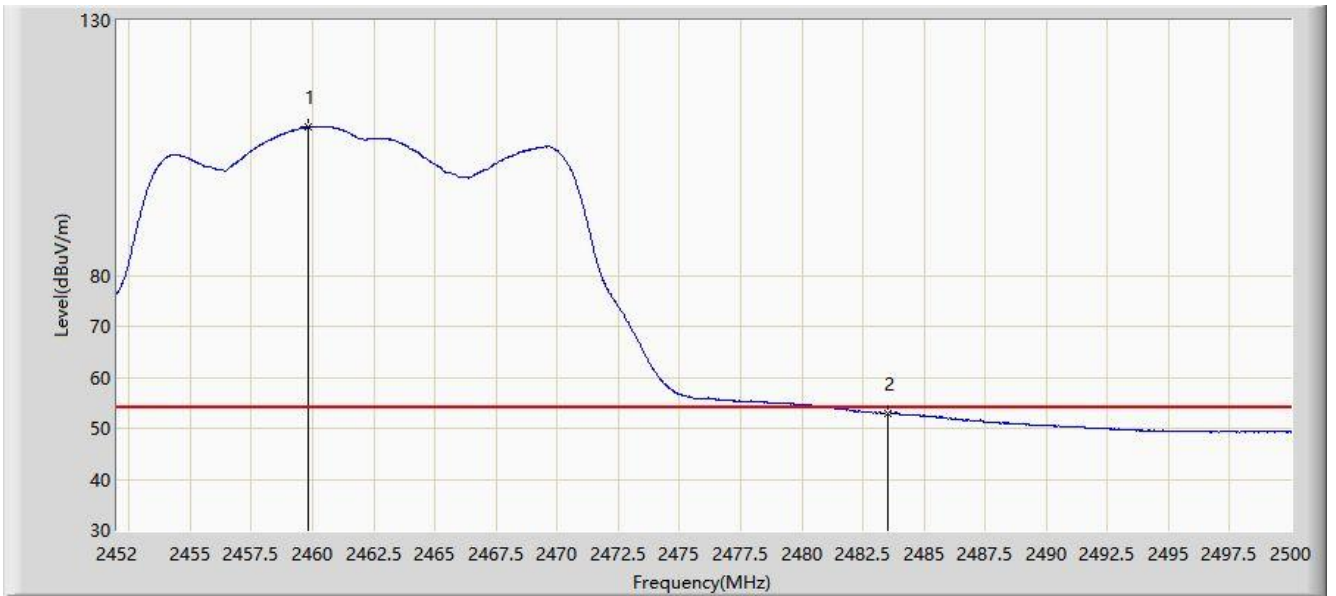


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2459.392	117.750	86.837	N/A	N/A	30.913	PK
2			2483.500	73.021	42.091	-0.979	74.000	30.931	PK

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

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

Site: WZ-AC1	Time: 2021/04/30 - 15:39
Limit: FCC_Part15.209_RE(3m)	Engineer: Tommy Tang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Kinetic VoIP Modem	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2462MHz	

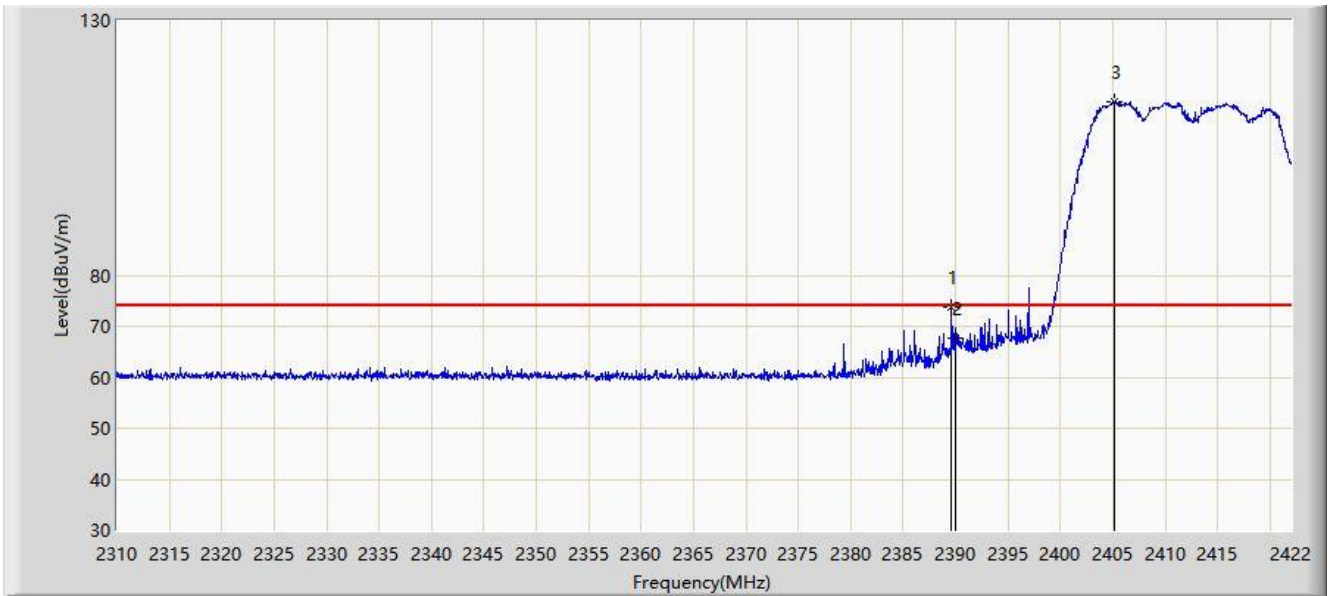


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2459.800	109.055	78.142	N/A	N/A	30.913	AV
2			2483.500	53.042	22.112	-0.958	54.000	30.931	AV

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

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

Site: WZ-AC1	Time: 2021/04/30 - 16:18
Limit: FCC_Part15.209_RE(3m)	Engineer: Tommy Tang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Kinetic VoIP Modem	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2412MHz	

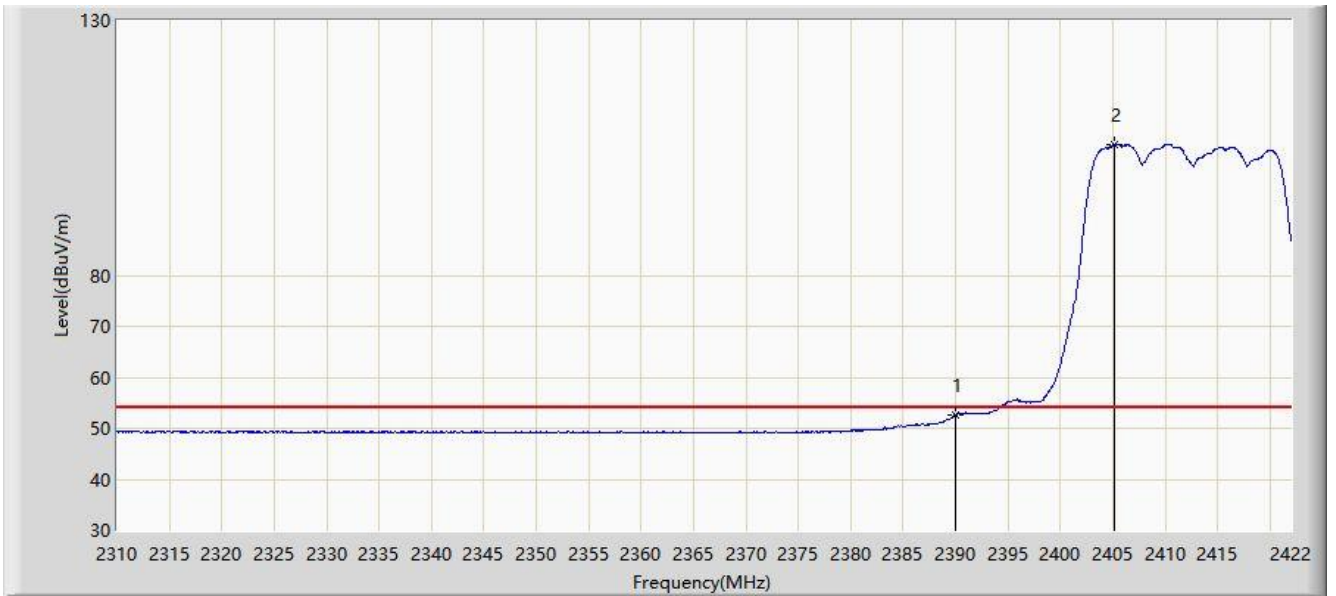


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			2389.632	73.778	42.714	-0.222	74.000	31.064	PK
2			2390.000	67.766	36.702	-6.234	74.000	31.064	PK
3		*	2405.200	114.015	82.992	N/A	N/A	31.023	PK

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

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

Site: WZ-AC1	Time: 2021/04/30 - 16:16
Limit: FCC_Part15.209_RE(3m)	Engineer: Tommy Tang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Kinetic VoIP Modem	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2412MHz	

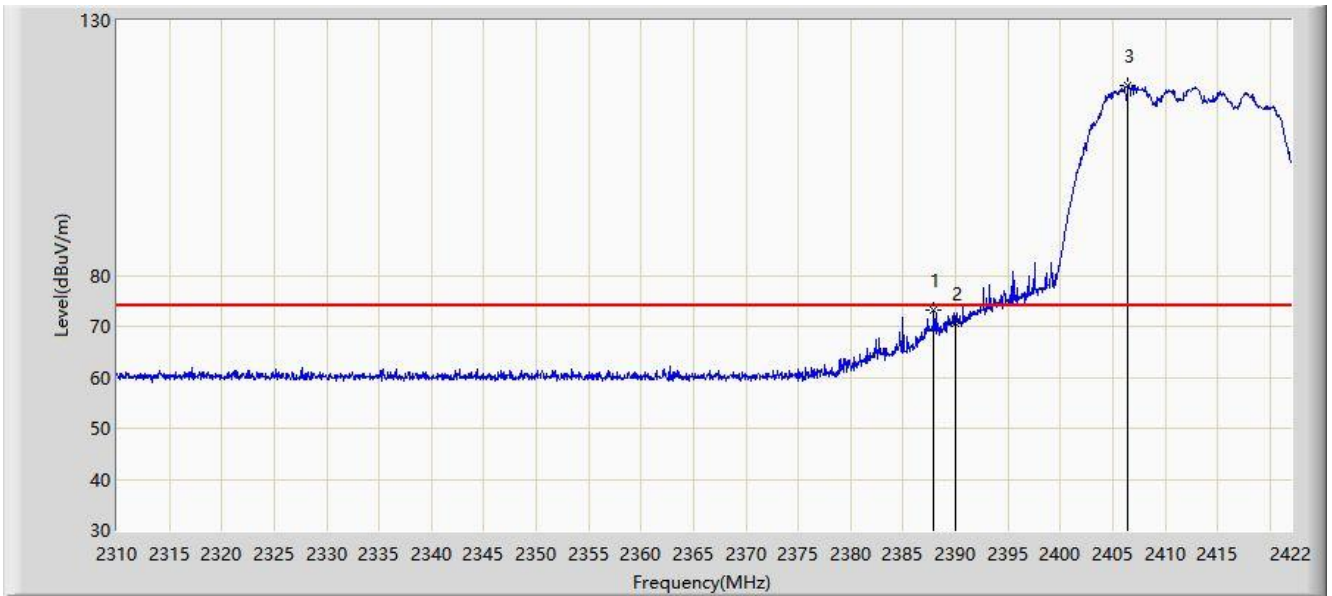


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB)	Type
1			2390.000	52.709	21.645	-1.291	54.000	31.064	AV
2		*	2405.088	105.677	74.653	N/A	N/A	31.023	AV

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

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

Site: WZ-AC1	Time: 2021/04/30 - 16:11
Limit: FCC_Part15.209_RE(3m)	Engineer: Tommy Tang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Kinetic VoIP Modem	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2412MHz	

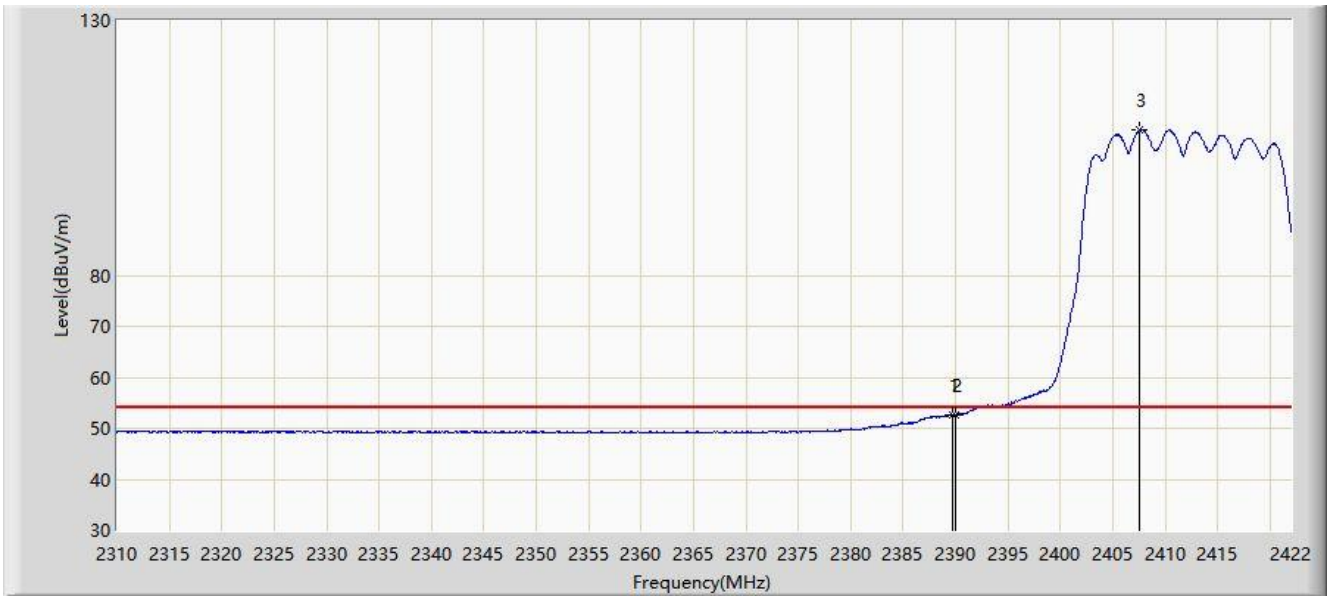


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2387.952	73.102	42.037	-0.898	74.000	31.065	PK
2			2390.000	70.661	39.597	-3.339	74.000	31.064	PK
3		*	2406.432	117.228	86.212	N/A	N/A	31.015	PK

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

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

Site: WZ-AC1	Time: 2021/04/30 - 16:12
Limit: FCC_Part15.209_RE(3m)	Engineer: Tommy Tang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Kinetic VoIP Modem	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2412MHz	

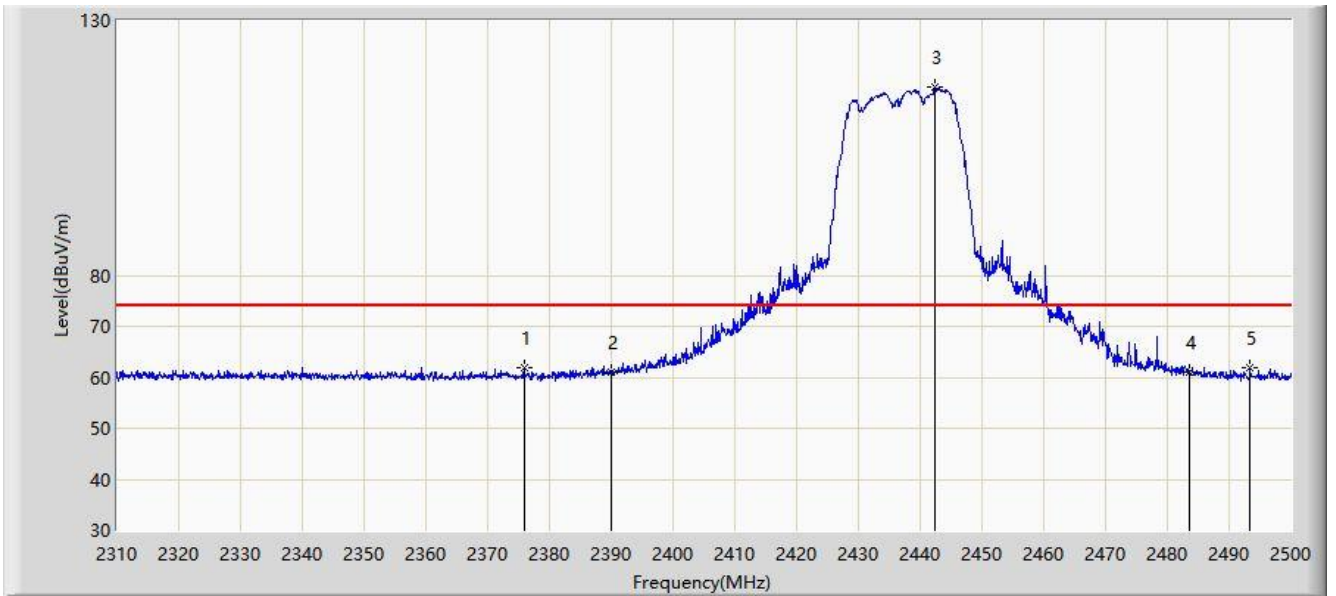


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB)	Type
1			2389.744	52.743	21.679	-1.257	54.000	31.064	AV
2			2390.000	52.667	21.603	-1.333	54.000	31.064	AV
3		*	2407.552	108.487	77.478	N/A	N/A	31.009	AV

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

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

Site: WZ-AC1	Time: 2021/04/30 - 16:47
Limit: FCC_Part15.209_RE(3m)	Engineer: Tommy Tang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Kinetic VoIP Modem	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2437MHz	

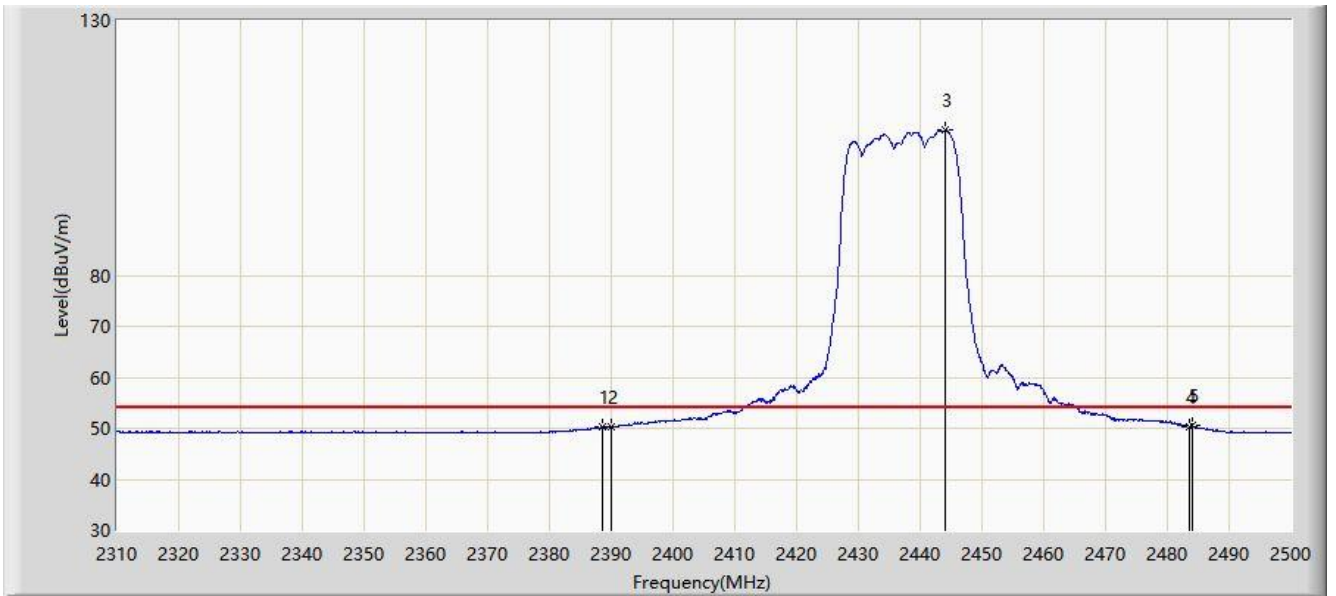


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB)	Type
1			2375.930	61.849	30.769	-12.151	74.000	31.079	PK
2			2390.000	61.151	30.087	-12.849	74.000	31.064	PK
3		*	2442.430	117.041	86.103	N/A	N/A	30.937	PK
4			2483.500	60.980	30.050	-13.020	74.000	30.931	PK
5			2493.445	61.849	30.898	-12.151	74.000	30.952	PK

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

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

Site: WZ-AC1	Time: 2021/04/30 - 16:49
Limit: FCC_Part15.209_RE(3m)	Engineer: Tommy Tang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Kinetic VoIP Modem	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2437MHz	

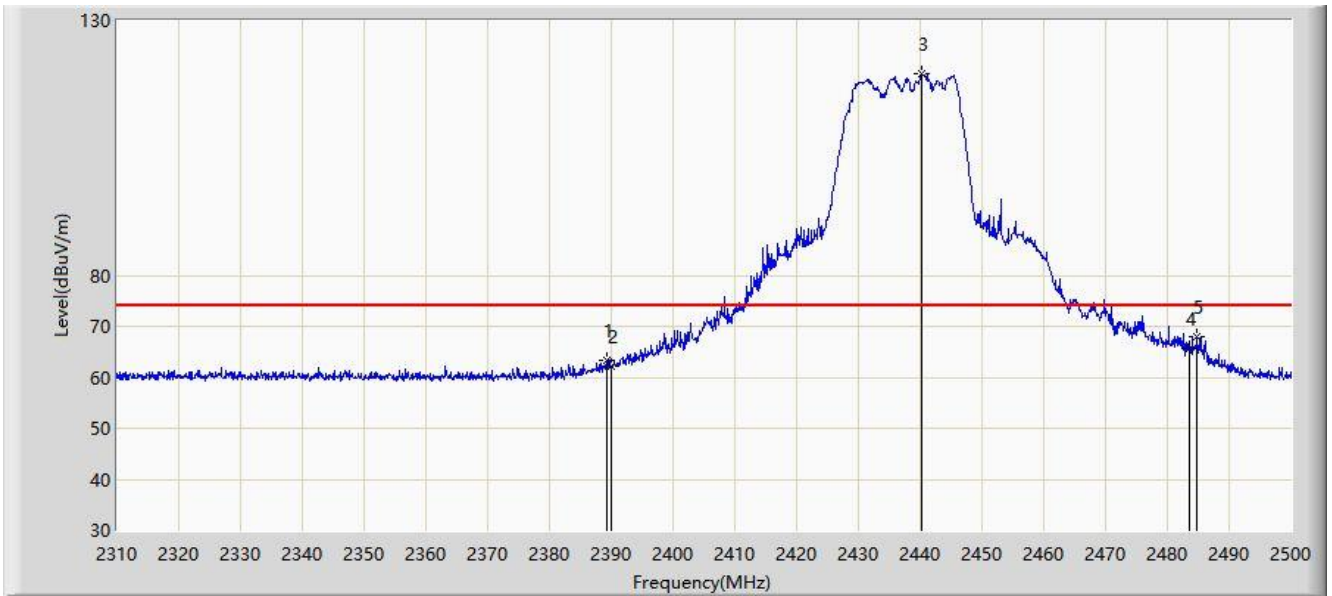


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2388.470	50.297	19.232	-3.703	54.000	31.065	AV
2			2390.000	50.209	19.145	-3.791	54.000	31.064	AV
3		*	2443.950	108.421	77.483	N/A	N/A	30.938	AV
4			2483.500	50.390	19.460	-3.610	54.000	30.931	AV
5			2483.945	50.532	19.600	-3.468	54.000	30.931	AV

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

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

Site: WZ-AC1	Time: 2021/04/30 - 16:45
Limit: FCC_Part15.209_RE(3m)	Engineer: Tommy Tang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Kinetic VoIP Modem	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2437MHz	

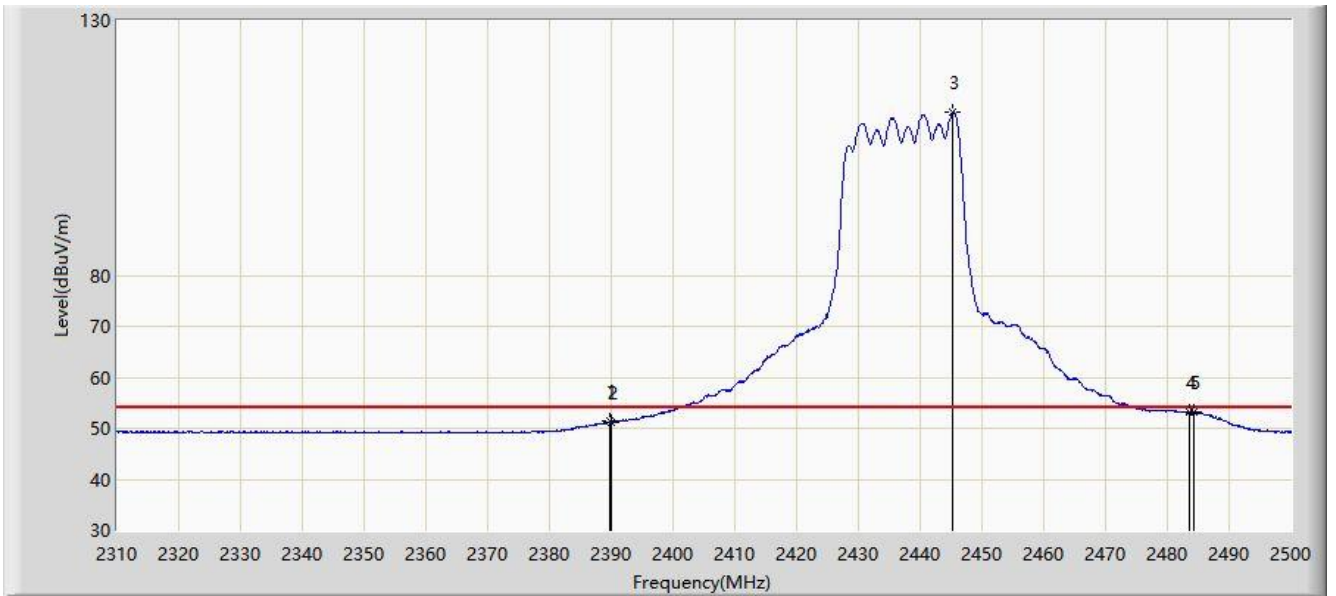


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2389.325	63.390	32.326	-10.610	74.000	31.065	PK
2			2390.000	62.093	31.029	-11.907	74.000	31.064	PK
3		*	2440.150	119.504	88.566	N/A	N/A	30.939	PK
4			2483.500	65.617	34.687	-8.383	74.000	30.931	PK
5			2484.800	67.870	36.936	-6.130	74.000	30.934	PK

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

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

Site: WZ-AC1	Time: 2021/04/30 - 16:43
Limit: FCC_Part15.209_RE(3m)	Engineer: Tommy Tang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Kinetic VoIP Modem	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2437MHz	

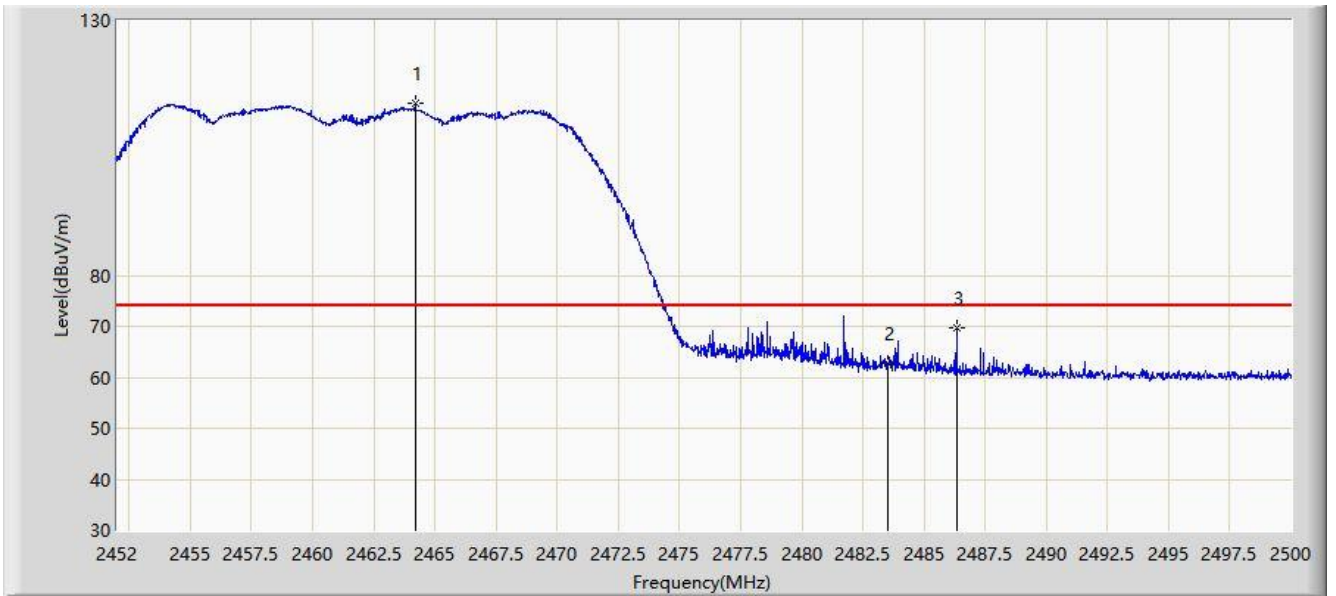


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			2389.800	51.428	20.364	-2.572	54.000	31.063	AV
2			2390.000	51.265	20.201	-2.735	54.000	31.064	AV
3		*	2445.280	111.912	80.975	N/A	N/A	30.936	AV
4			2483.500	53.213	22.283	-0.787	54.000	30.931	AV
5			2484.325	53.261	22.329	-0.739	54.000	30.933	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: WZ-AC1	Time: 2021/04/30 - 17:24
Limit: FCC_Part15.209_RE(3m)	Engineer: Tommy Tang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Kinetic VoIP Modem	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2462MHz	

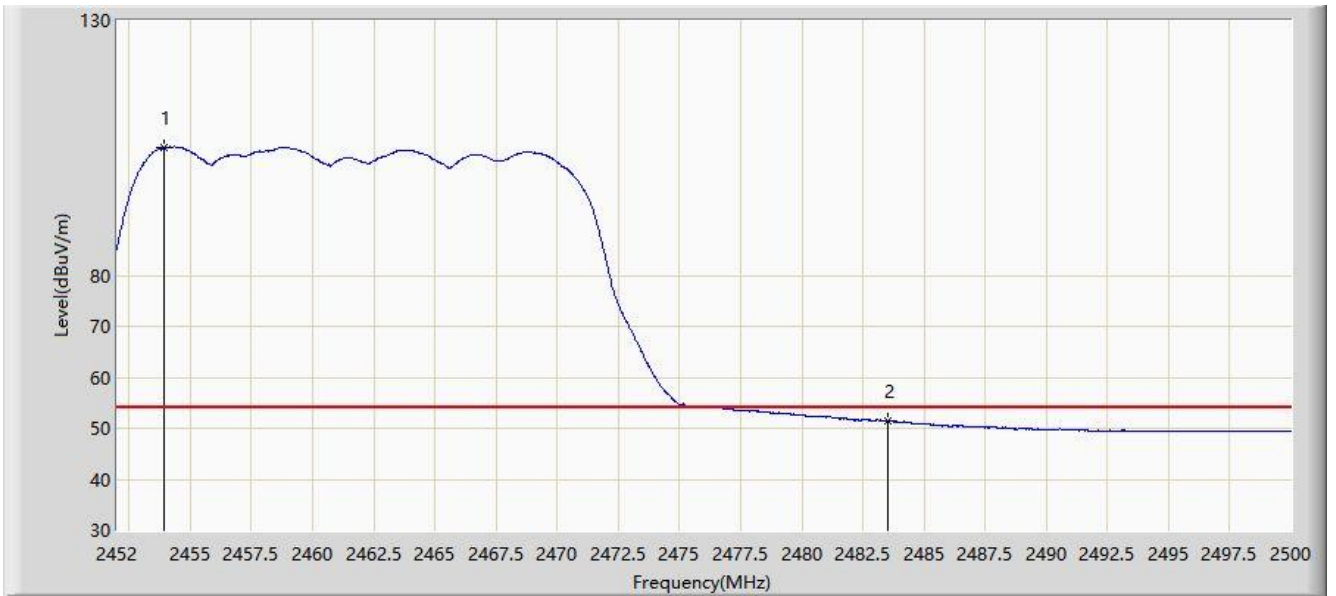


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB)	Type
1		*	2464.192	113.763	82.852	N/A	N/A	30.911	PK
2			2483.500	62.744	31.814	-11.256	74.000	30.931	PK
3			2486.344	69.688	38.751	-4.312	74.000	30.938	PK

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

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

Site: WZ-AC1	Time: 2021/04/30 - 16:58
Limit: FCC_Part15.209_RE(3m)	Engineer: Tommy Tang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Kinetic VoIP Modem	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2462MHz	

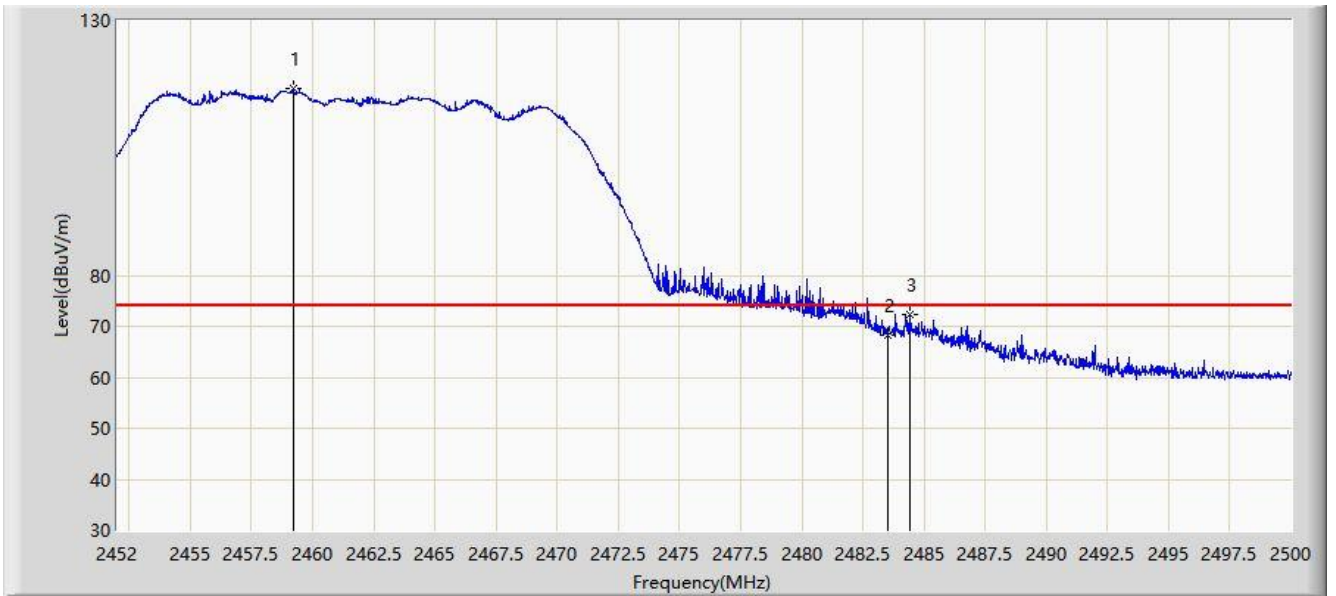


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB)	Type
1		*	2453.896	105.006	74.085	N/A	N/A	30.921	AV
2			2483.500	51.376	20.446	-2.624	54.000	30.931	AV

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

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

Site: WZ-AC1	Time: 2021/04/30 - 16:54
Limit: FCC_Part15.209_RE(3m)	Engineer: Tommy Tang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Kinetic VoIP Modem	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2462MHz	

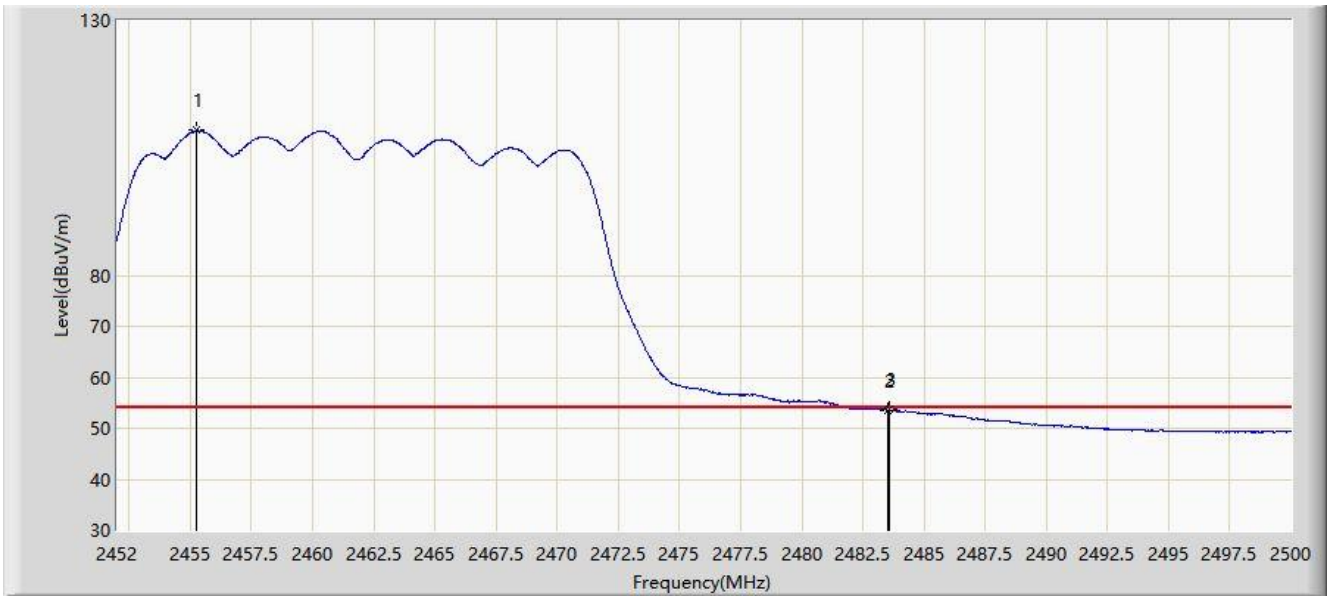


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB)	Type
1		*	2459.200	116.610	85.697	N/A	N/A	30.913	PK
2			2483.500	68.276	37.346	-5.724	74.000	30.931	PK
3			2484.400	72.367	41.434	-1.633	74.000	30.933	PK

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

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

Site: WZ-AC1	Time: 2021/04/30 - 16:57
Limit: FCC_Part15.209_RE(3m)	Engineer: Tommy Tang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Kinetic VoIP Modem	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2462MHz	

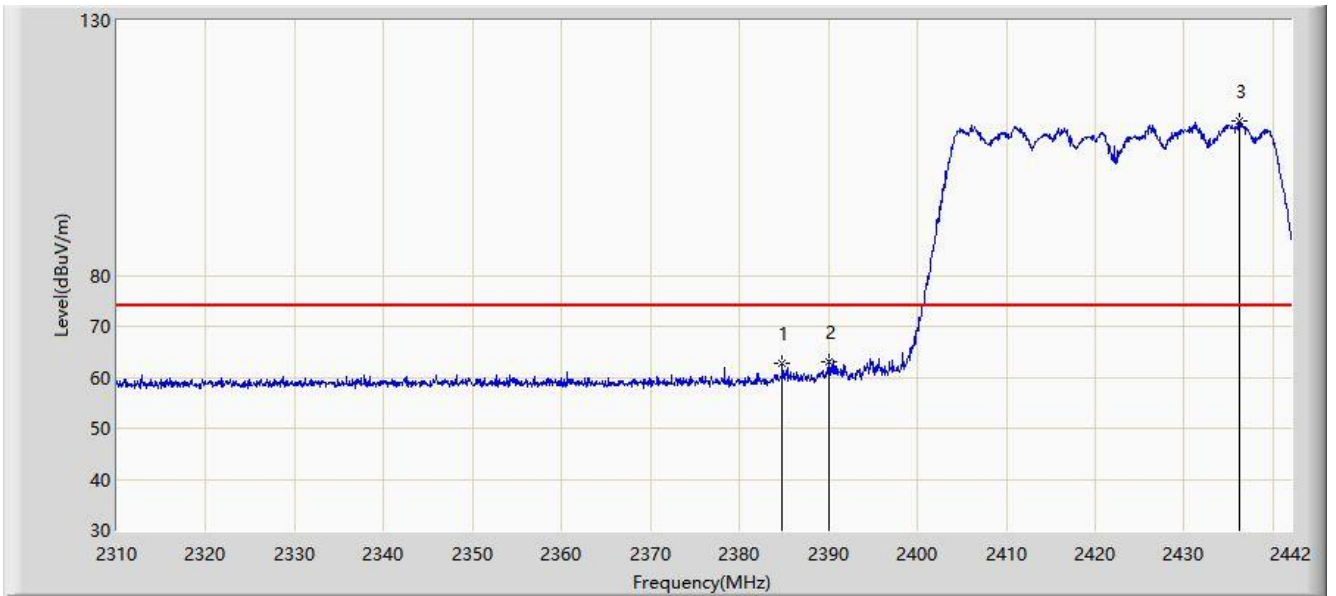


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB)	Type
1		*	2455.240	108.427	77.509	N/A	N/A	30.919	AV
2			2483.500	53.553	22.623	-0.447	54.000	30.931	AV
3			2483.608	53.666	22.735	-0.334	54.000	30.931	AV

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

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

Site: WZ-AC1	Time: 2021/04/30 - 22:46
Limit: FCC_Part15.209_RE(3m)	Engineer: Tommy Tang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Kinetic VoIP Modem	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2412MHz	

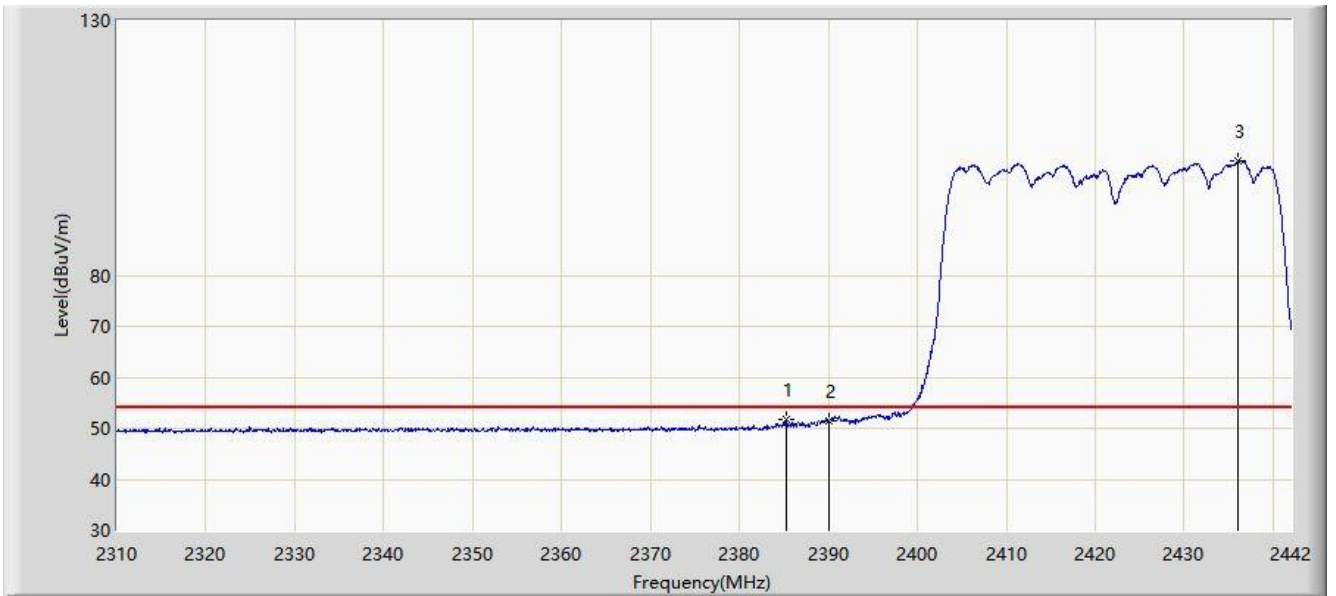


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB)	Type
1			2384.778	62.611	31.544	-11.389	74.000	31.067	PK
2			2390.000	63.111	32.047	-10.889	74.000	31.064	PK
3		*	2436.192	110.157	79.221	N/A	N/A	30.936	PK

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

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

Site: WZ-AC1	Time: 2021/04/30 - 22:43
Limit: FCC_Part15.209_RE(3m)	Engineer: Tommy Tang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Kinetic VoIP Modem	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2412MHz	

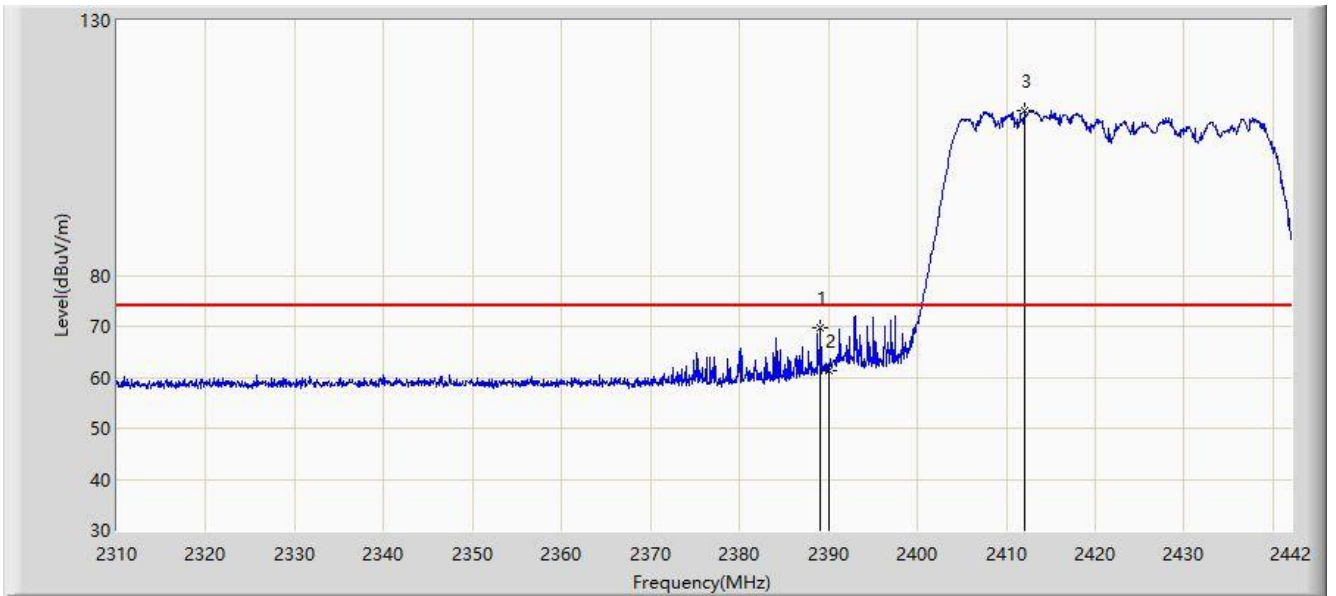


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB)	Type
1			2385.240	51.675	20.608	-2.325	54.000	31.067	AV
2			2390.000	51.515	20.451	-2.485	54.000	31.064	AV
3		*	2436.126	102.608	71.672	N/A	N/A	30.936	AV

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

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

Site: WZ-AC1	Time: 2021/04/30 - 22:47
Limit: FCC_Part15.209_RE(3m)	Engineer: Tommy Tang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Kinetic VoIP Modem	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2412MHz	

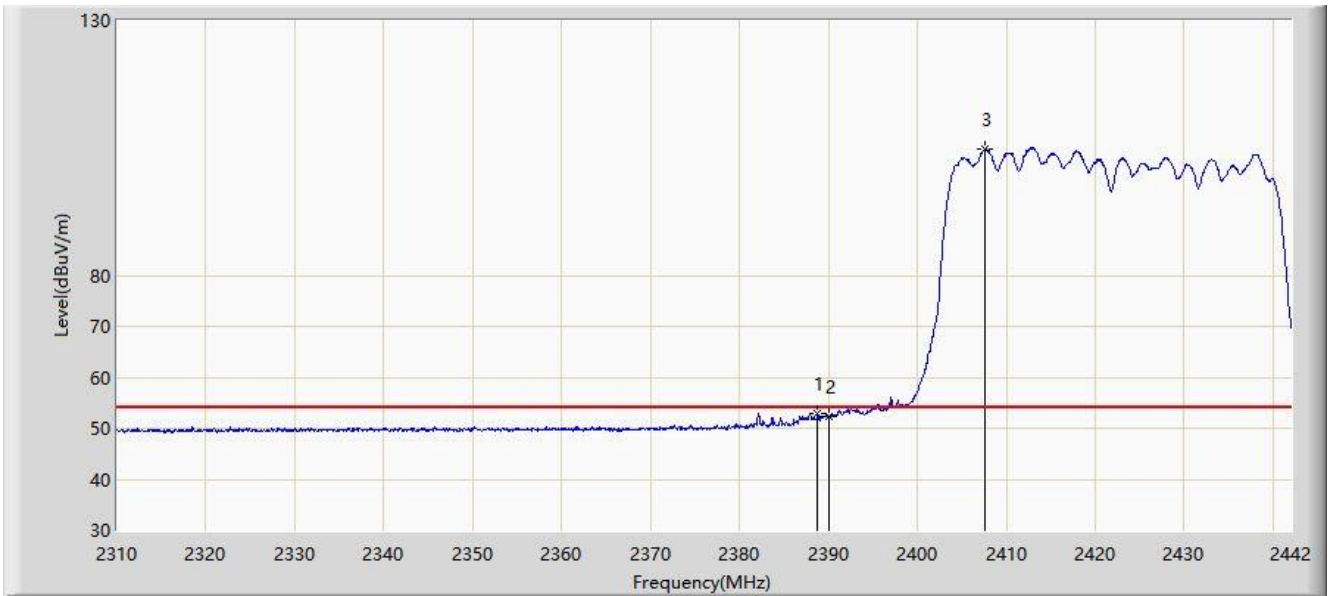


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			2389.068	69.804	38.740	-4.196	74.000	31.064	PK
2			2390.000	61.319	30.255	-12.681	74.000	31.064	PK
3		*	2412.102	112.456	81.504	N/A	N/A	30.952	PK

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

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

Site: WZ-AC1	Time: 2021/04/30 - 22:40
Limit: FCC_Part15.209_RE(3m)	Engineer: Tommy Tang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Kinetic VoIP Modem	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2412MHz	

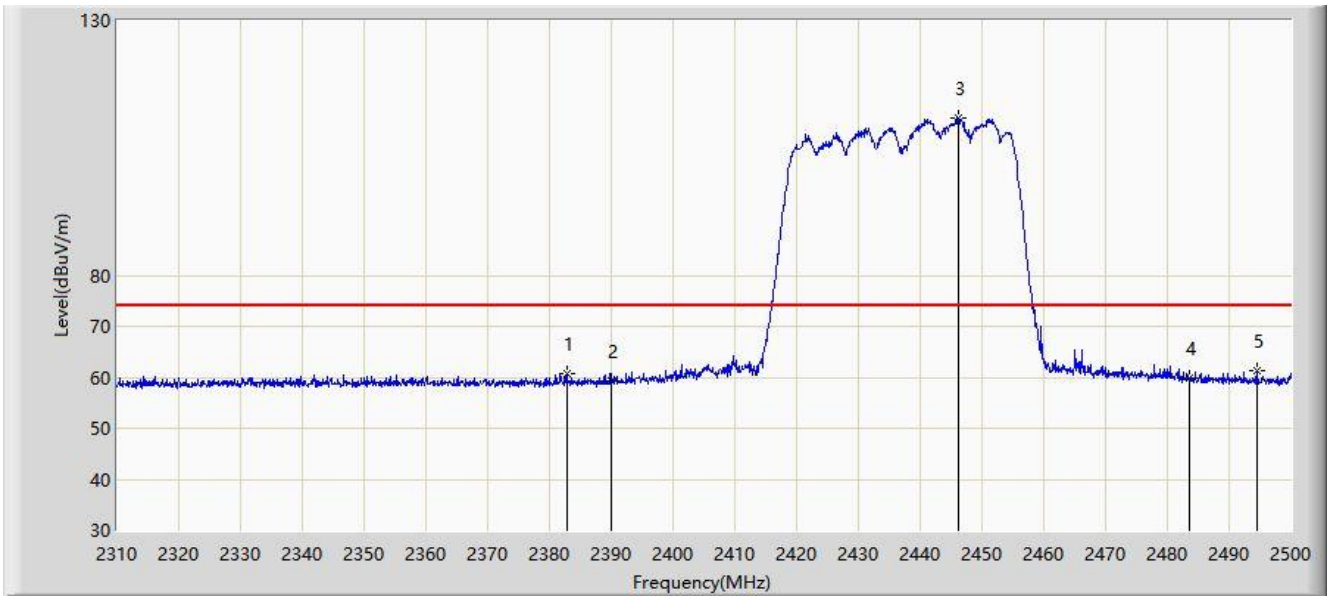


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB)	Type
1			2388.738	53.016	21.951	-0.984	54.000	31.064	AV
2			2390.000	52.357	21.293	-1.643	54.000	31.064	AV
3		*	2407.614	104.726	73.717	N/A	N/A	31.009	AV

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

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

Site: WZ-AC1	Time: 2021/04/30 - 22:24
Limit: FCC_Part15.209_RE(3m)	Engineer: Tommy Tang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Kinetic VoIP Modem	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2437MHz	

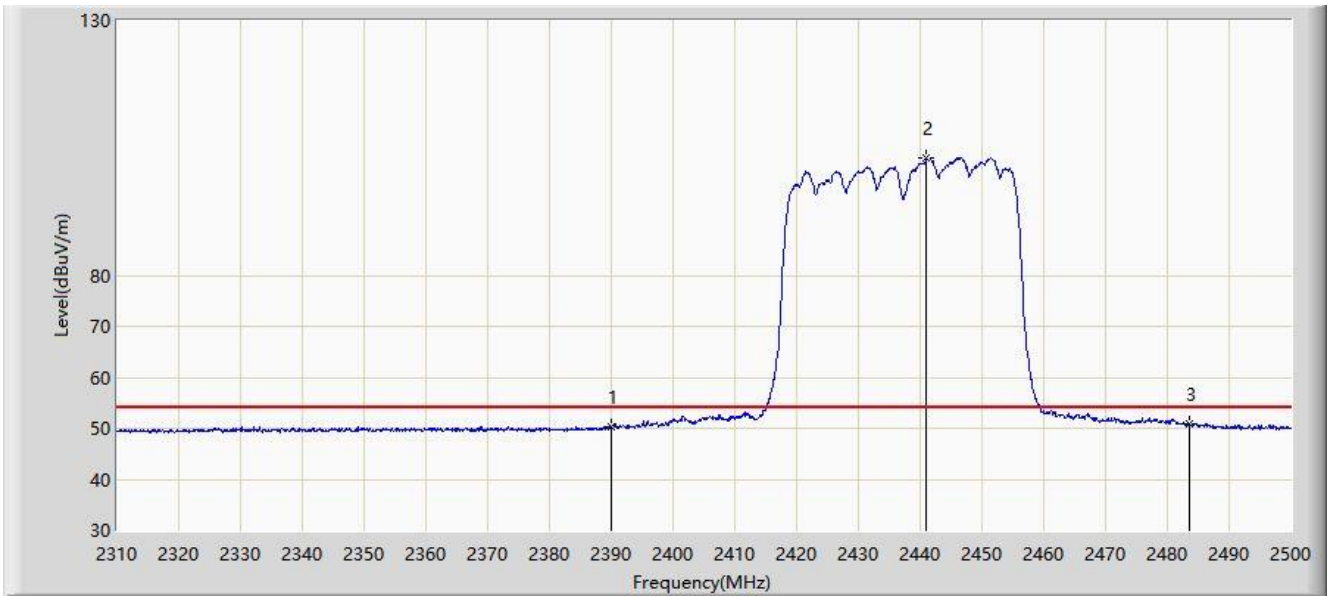


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			2382.865	60.850	29.780	-13.150	74.000	31.069	PK
2			2390.000	59.307	28.243	-14.693	74.000	31.064	PK
3		*	2446.135	110.946	80.011	N/A	N/A	30.936	PK
4			2483.500	59.727	28.797	-14.273	74.000	30.931	PK
5			2494.490	61.311	30.359	-12.689	74.000	30.952	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: WZ-AC1	Time: 2021/04/30 - 22:23
Limit: FCC_Part15.209_RE(3m)	Engineer: Tommy Tang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Kinetic VoIP Modem	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2437MHz	

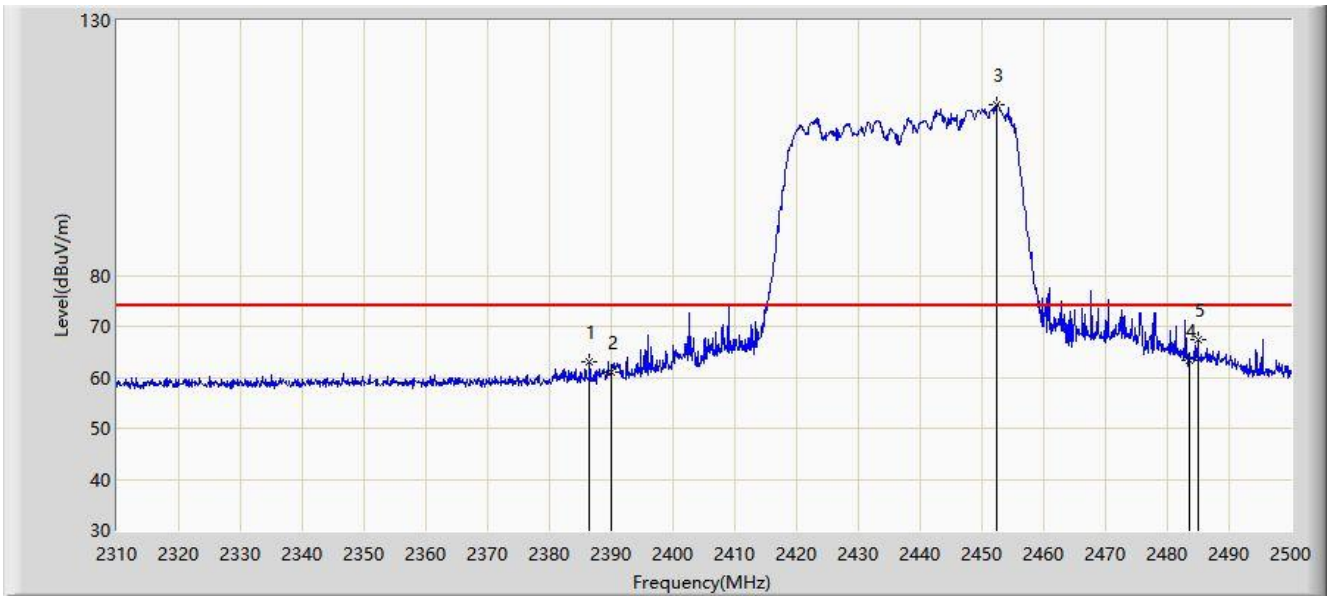


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	50.407	19.343	-3.593	54.000	31.064	AV
2		*	2441.005	102.977	72.039	N/A	N/A	30.938	AV
3			2483.500	50.920	19.990	-3.080	54.000	30.931	AV

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

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

Site: WZ-AC1	Time: 2021/04/30 - 22:25
Limit: FCC_Part15.209_RE(3m)	Engineer: Tommy Tang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Kinetic VoIP Modem	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2437MHz	

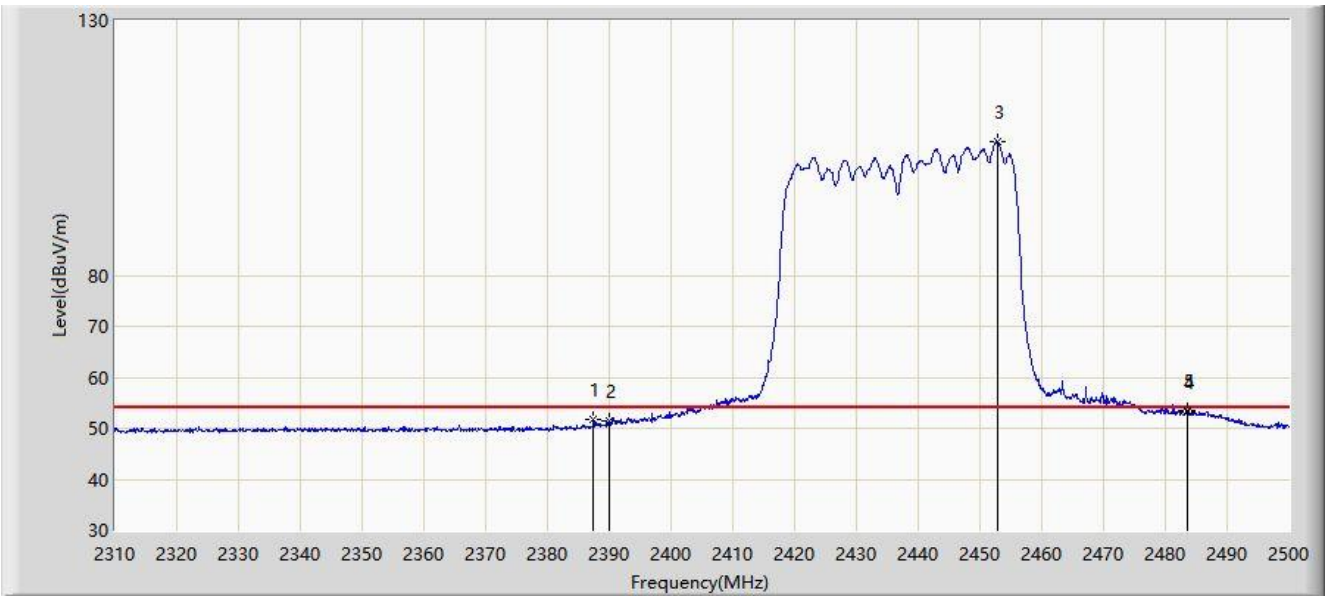


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2386.475	63.095	32.029	-10.905	74.000	31.066	PK
2			2390.000	61.122	30.058	-12.878	74.000	31.064	PK
3		*	2452.310	113.491	82.567	N/A	N/A	30.924	PK
4			2483.500	63.374	32.444	-10.626	74.000	30.931	PK
5			2484.895	67.456	36.522	-6.544	74.000	30.934	PK

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

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

Site: WZ-AC1	Time: 2021/04/30 - 22:20
Limit: FCC_Part15.209_RE(3m)	Engineer: Tommy Tang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Kinetic VoIP Modem	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2437MHz	

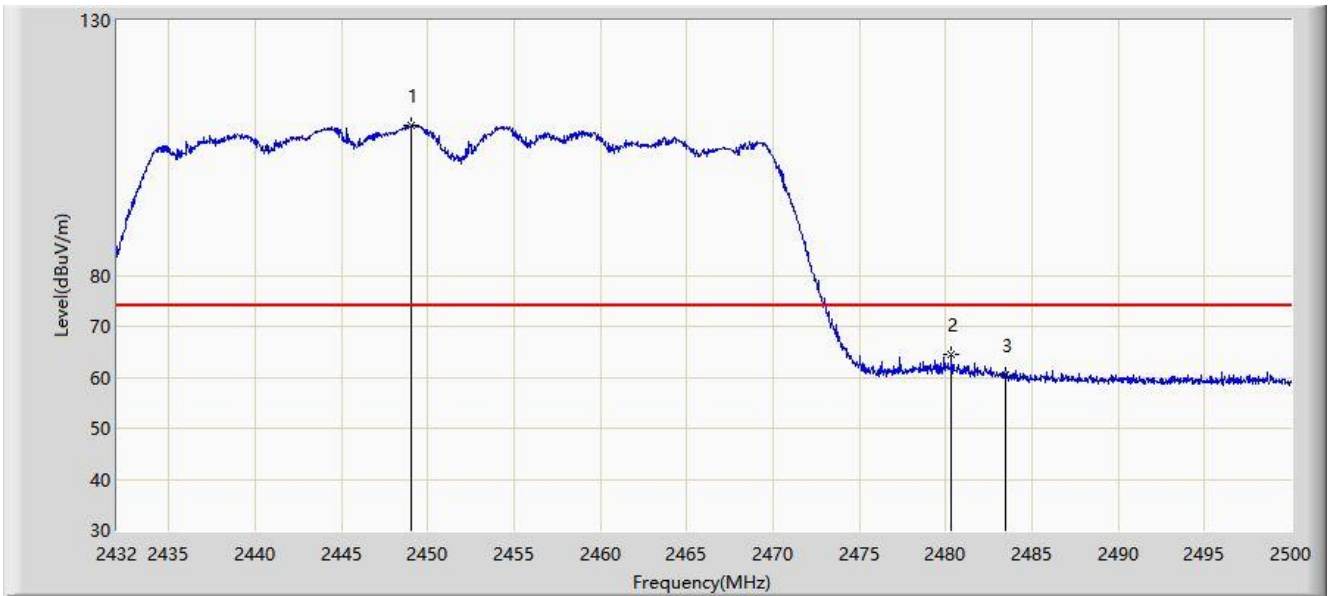


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB)	Type
1			2387.425	51.817	20.751	-2.183	54.000	31.066	AV
2			2390.000	51.361	20.297	-2.639	54.000	31.064	AV
3		*	2452.785	106.287	75.364	N/A	N/A	30.923	AV
4			2483.500	53.315	22.385	-0.685	54.000	30.931	AV
5			2483.565	53.578	22.647	-0.422	54.000	30.931	AV

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

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

Site: WZ-AC1	Time: 2021/04/30 - 22:56
Limit: FCC_Part15.209_RE(3m)	Engineer: Tommy Tang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Kinetic VoIP Modem	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2452MHz	

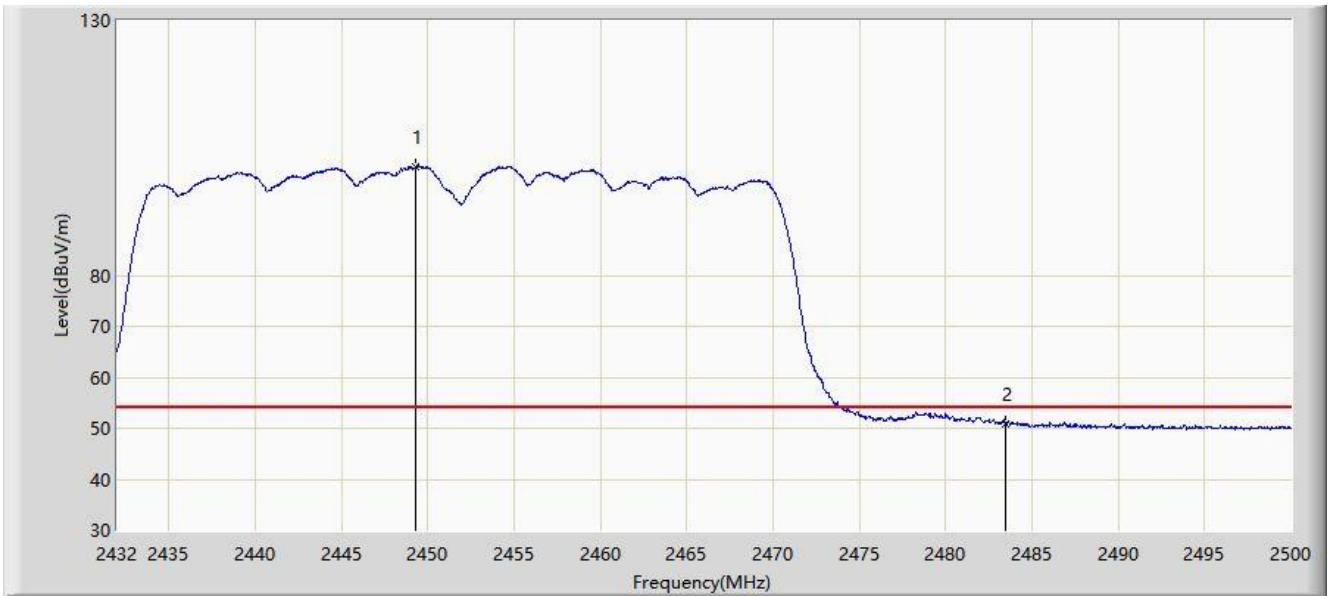


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB)	Type
1		*	2449.034	109.538	78.608	N/A	N/A	30.930	PK
2			2480.314	64.510	33.587	-9.490	74.000	30.923	PK
3			2483.500	60.451	29.521	-13.549	74.000	30.931	PK

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

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

Site: WZ-AC1	Time: 2021/04/30 - 22:55
Limit: FCC_Part15.209_RE(3m)	Engineer: Tommy Tang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Kinetic VoIP Modem	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2452MHz	

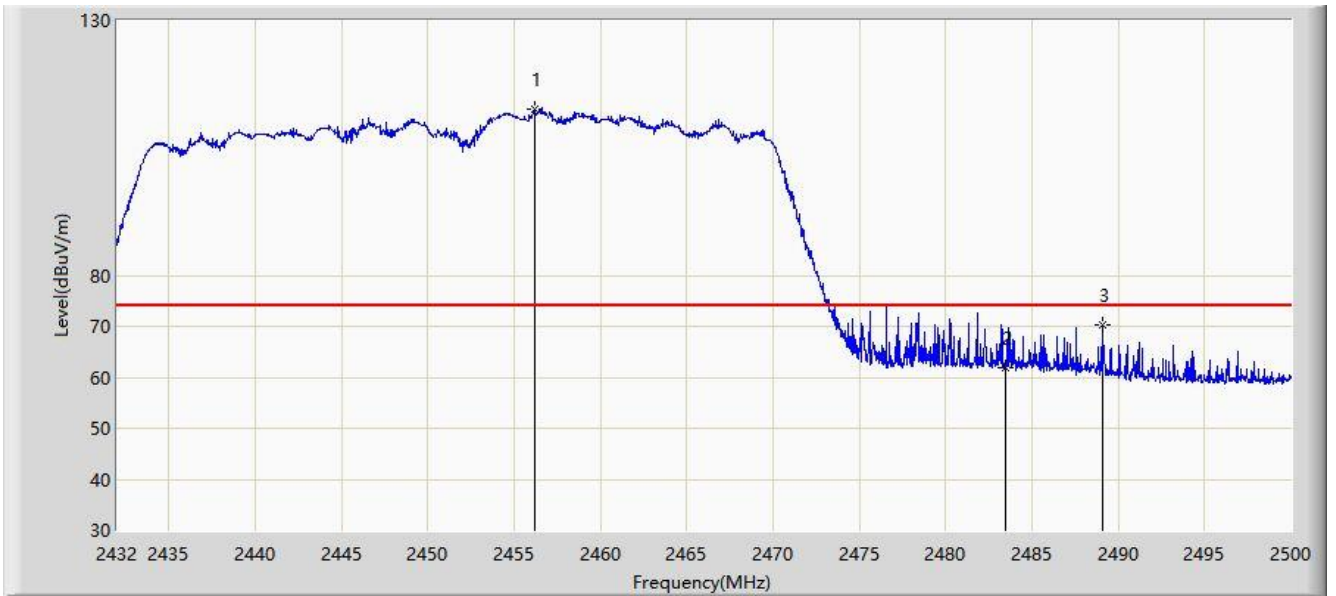


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB)	Type
1		*	2449.340	101.274	70.345	N/A	N/A	30.930	AV
2			2483.500	50.962	20.032	-3.038	54.000	30.931	AV

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

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

Site: WZ-AC1	Time: 2021/04/30 - 22:57
Limit: FCC_Part15.209_RE(3m)	Engineer: Tommy Tang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Kinetic VoIP Modem	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2452MHz	

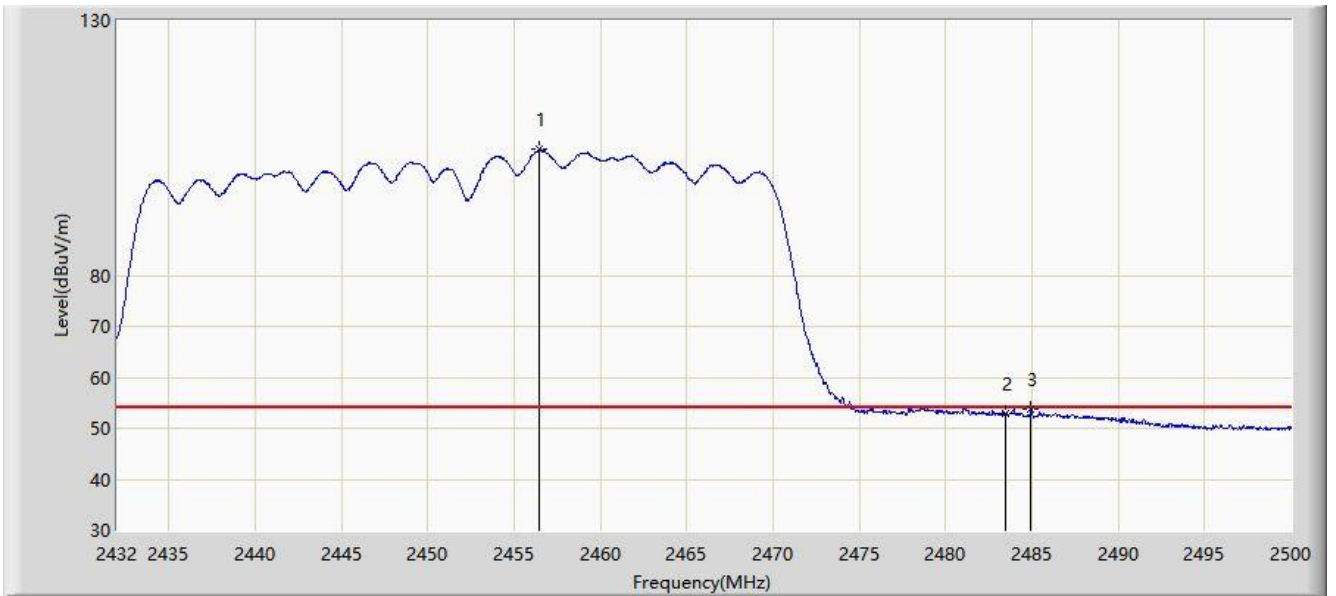


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB)	Type
1		*	2456.208	112.652	81.735	N/A	N/A	30.917	PK
2			2483.500	61.908	30.978	-12.092	74.000	30.931	PK
3			2489.052	70.253	39.309	-3.747	74.000	30.944	PK

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

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

Site: WZ-AC1	Time: 2021/04/30 - 22:54
Limit: FCC_Part15.209_RE(3m)	Engineer: Tommy Tang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Kinetic VoIP Modem	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2452MHz	

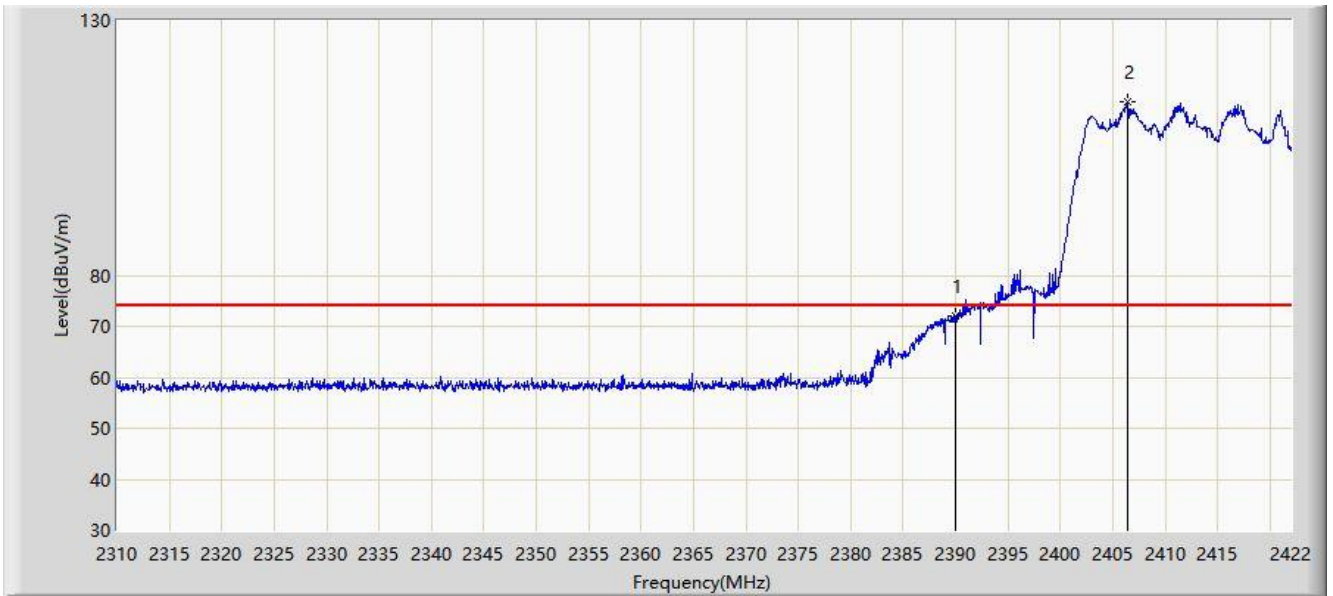


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB)	Type
1		*	2456.480	104.690	73.773	N/A	N/A	30.917	AV
2			2483.500	52.944	22.014	-1.056	54.000	30.931	AV
3			2484.938	53.875	22.941	-0.125	54.000	30.934	AV

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

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

Site: WZ-AC1	Time: 2021/04/30 - 23:25
Limit: FCC_Part15.209_RE(3m)	Engineer: Tommy Tang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Kinetic VoIP Modem	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE20 at Channel 2412MHz	

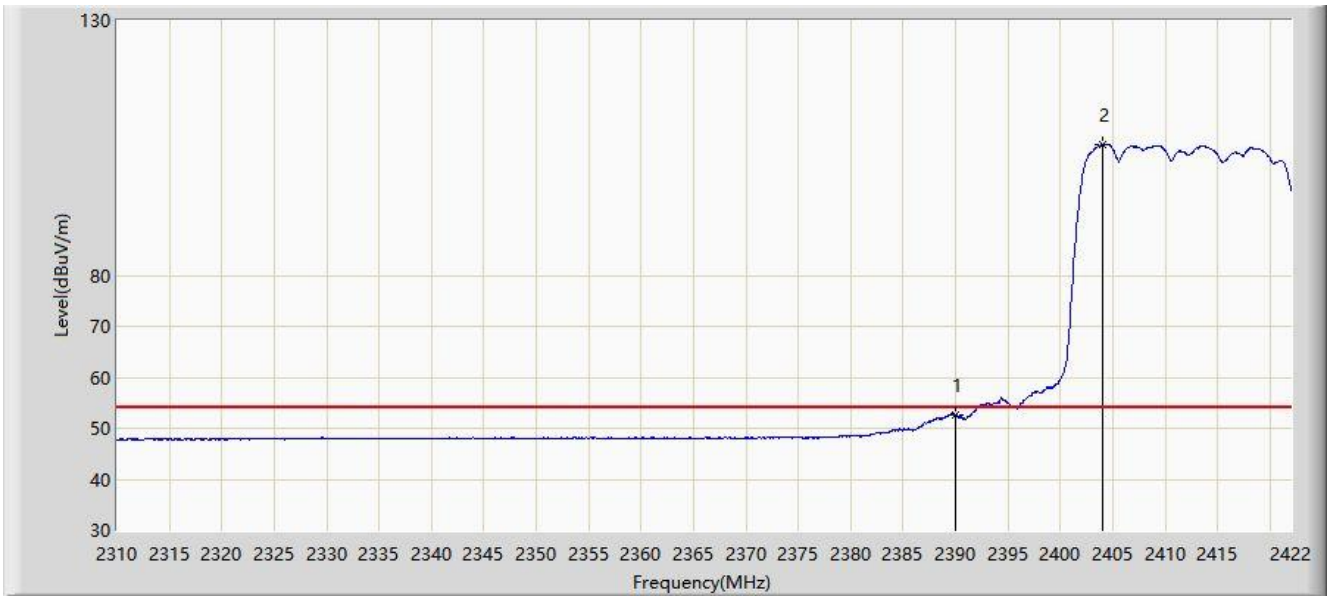


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB)	Type
1			2390.000	72.014	40.950	-1.986	74.000	31.064	PK
2		*	2406.432	114.073	83.057	N/A	N/A	31.015	PK

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

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

Site: WZ-AC1	Time: 2021/04/30 - 23:23
Limit: FCC_Part15.209_RE(3m)	Engineer: Tommy Tang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Kinetic VoIP Modem	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE20 at Channel 2412MHz	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB)	Type
1			2390.000	52.578	21.514	-1.422	54.000	31.064	AV
2		*	2404.080	105.631	74.602	N/A	N/A	31.029	AV

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

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

Site: WZ-AC1	Time: 2021/04/30 - 23:28
Limit: FCC_Part15.209_RE(3m)	Engineer: Tommy Tang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Kinetic VoIP Modem	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE20 at Channel 2412MHz	

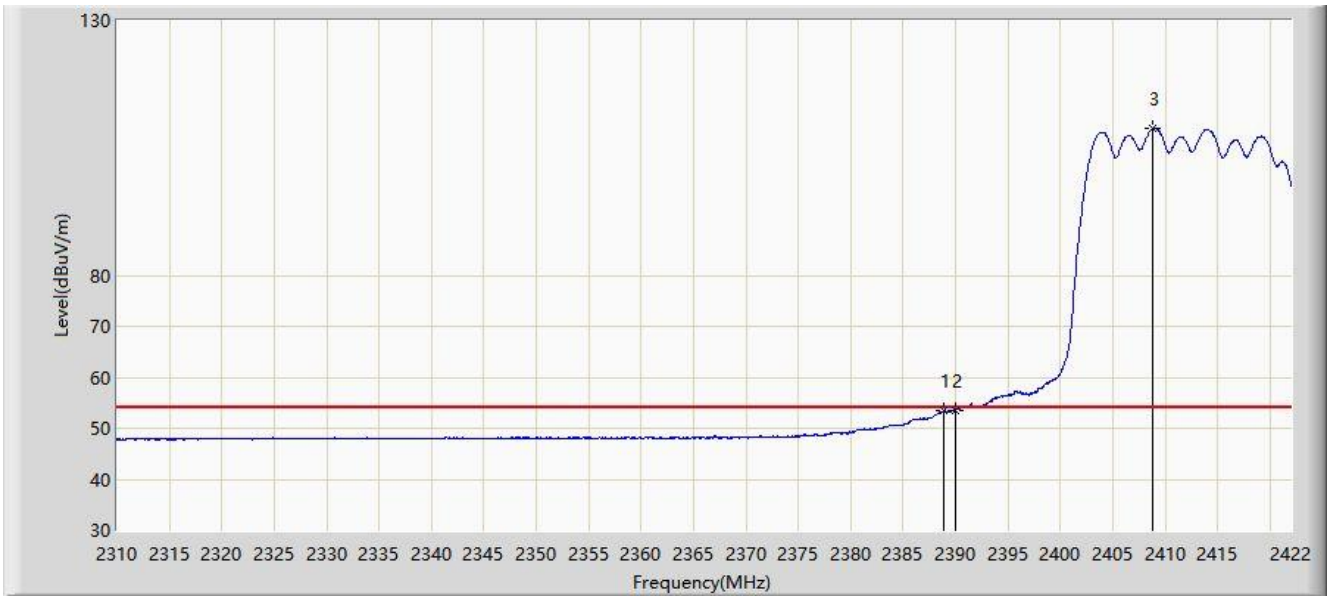


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			2388.120	72.936	41.871	-1.064	74.000	31.065	PK
2			2390.000	71.738	40.674	-2.262	74.000	31.064	PK
3		*	2408.784	118.484	87.482	N/A	N/A	31.002	PK

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

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

Site: WZ-AC1	Time: 2021/04/30 - 23:22
Limit: FCC_Part15.209_RE(3m)	Engineer: Tommy Tang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Kinetic VoIP Modem	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE20 at Channel 2412MHz	

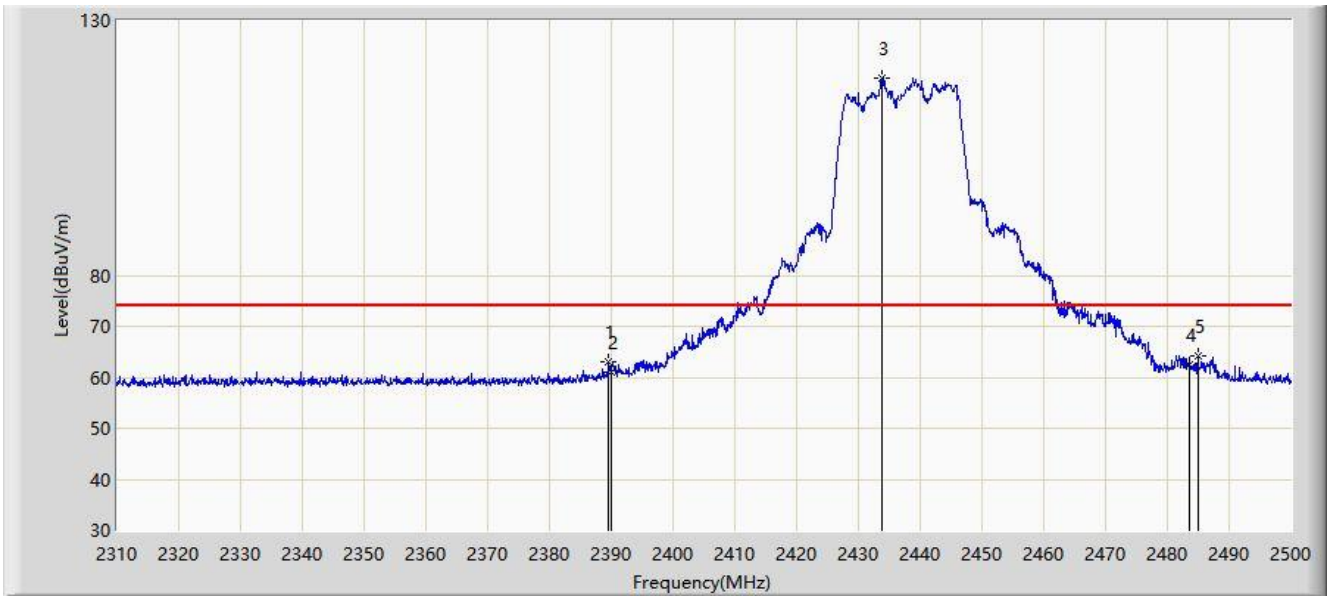


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB)	Type
1			2388.904	53.534	22.470	-0.466	54.000	31.065	AV
2			2390.000	53.621	22.557	-0.379	54.000	31.064	AV
3	X	*	2408.784	108.751	77.749	N/A	N/A	31.002	AV

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

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

Site: WZ-AC1	Time: 2021/04/30 - 23:50
Limit: FCC_Part15.209_RE(3m)	Engineer: Tommy Tang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Kinetic VoIP Modem	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE20 at Channel 2437MHz	

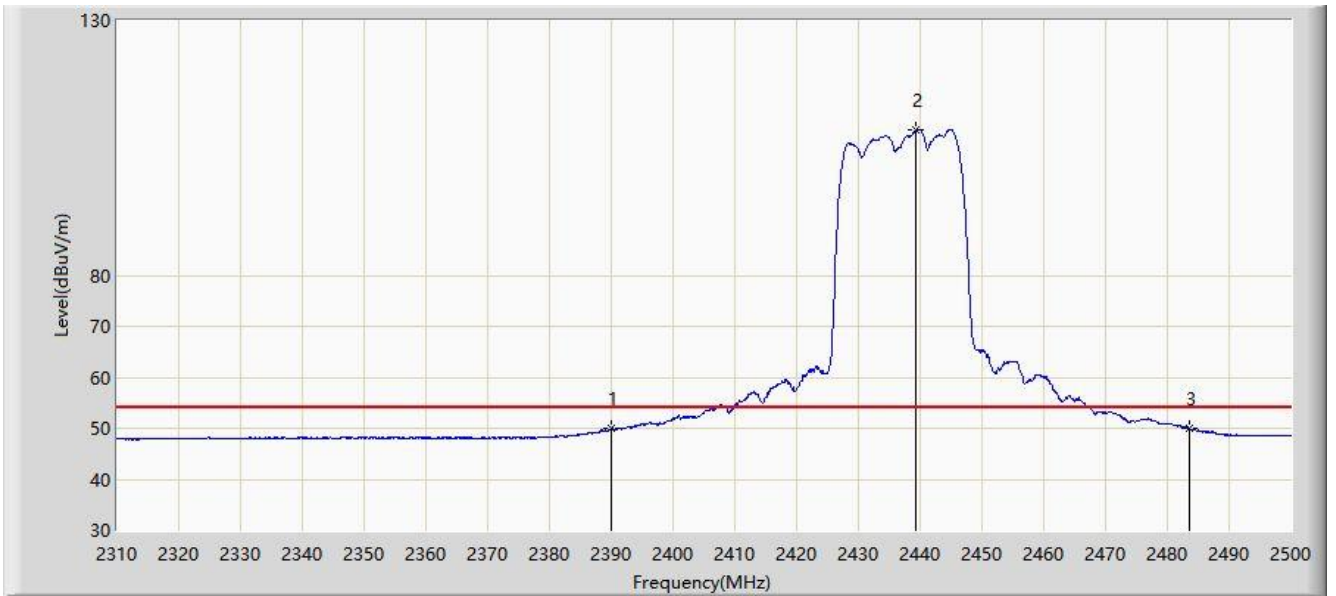


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB)	Type
1			2389.610	63.032	31.968	-10.968	74.000	31.064	PK
2			2390.000	60.875	29.811	-13.125	74.000	31.064	PK
3		*	2433.880	118.768	87.835	N/A	N/A	30.933	PK
4			2483.500	62.579	31.649	-11.421	74.000	30.931	PK
5			2484.895	64.318	33.384	-9.682	74.000	30.934	PK

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

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

Site: WZ-AC1	Time: 2021/04/30 - 23:49
Limit: FCC_Part15.209_RE(3m)	Engineer: Tommy Tang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Kinetic VoIP Modem	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE20 at Channel 2437MHz	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	49.931	18.867	-4.069	54.000	31.064	AV
2	X	*	2439.390	108.483	77.545	N/A	N/A	30.938	AV
3			2483.500	49.984	19.054	-4.016	54.000	30.931	AV

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

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

Site: WZ-AC1	Time: 2021/04/30 - 23:54
Limit: FCC_Part15.209_RE(3m)	Engineer: Tommy Tang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Kinetic VoIP Modem	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE20 at Channel 2437MHz	

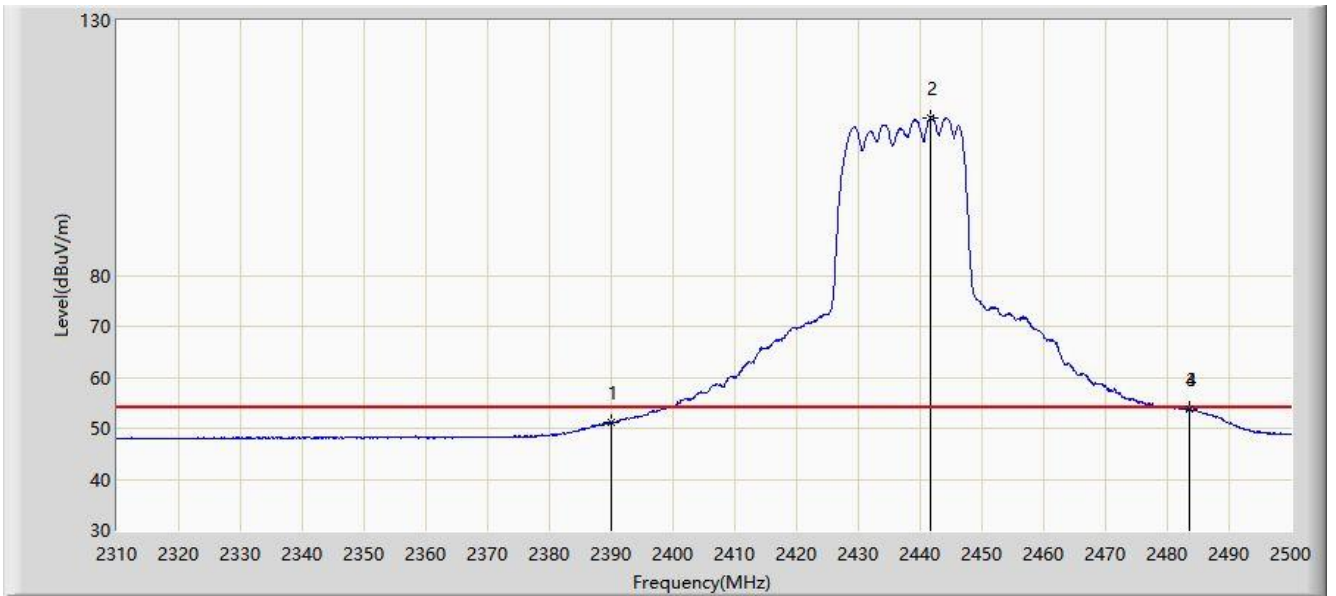


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2388.280	66.867	35.802	-7.133	74.000	31.064	PK
2			2390.000	63.949	32.885	-10.051	74.000	31.064	PK
3		*	2441.480	121.464	90.526	N/A	N/A	30.938	PK
4			2483.500	68.081	37.151	-5.919	74.000	30.931	PK
5			2484.800	69.753	38.819	-4.247	74.000	30.934	PK

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

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

Site: WZ-AC1	Time: 2021/04/30 - 23:47
Limit: FCC_Part15.209_RE(3m)	Engineer: Tommy Tang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Kinetic VoIP Modem	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE20 at Channel 2437MHz	

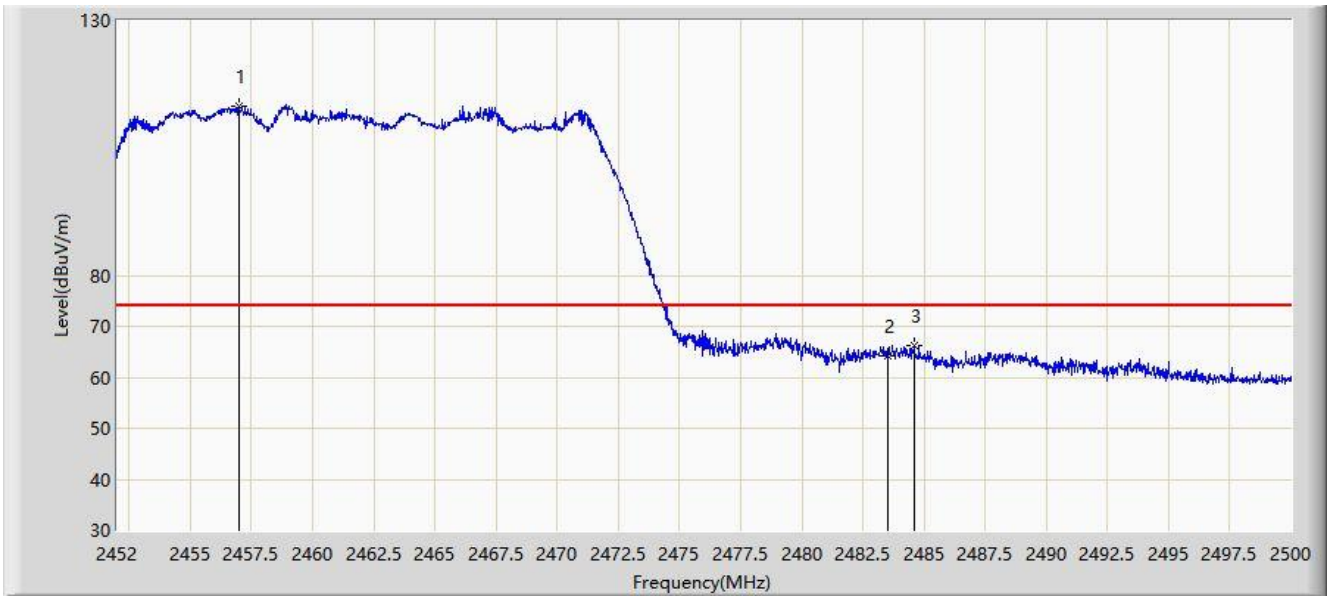


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB)	Type
1			2390.000	51.107	20.043	-2.893	54.000	31.064	AV
2	X	*	2441.670	110.964	80.026	N/A	N/A	30.938	AV
3			2483.500	53.633	22.703	-0.367	54.000	30.931	AV
4			2483.660	53.688	22.757	-0.312	54.000	30.931	AV

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

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

Site: WZ-AC1	Time: 2021/05/01 - 00:20
Limit: FCC_Part15.209_RE(3m)	Engineer: Tommy Tang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Kinetic VoIP Modem	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE20 at Channel 2462MHz	

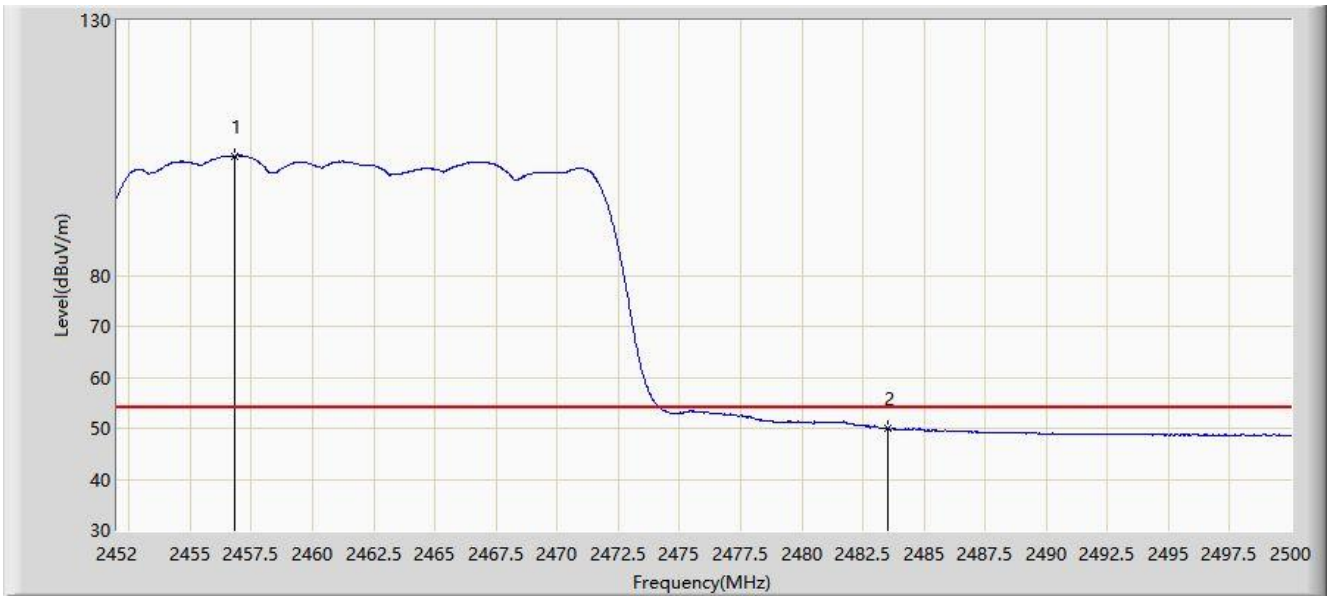


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB)	Type
1		*	2456.992	113.090	82.174	N/A	N/A	30.916	PK
2			2483.500	64.185	33.255	-9.815	74.000	30.931	PK
3			2484.592	66.229	35.296	-7.771	74.000	30.933	PK

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

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

Site: WZ-AC1	Time: 2021/05/01 - 00:22
Limit: FCC_Part15.209_RE(3m)	Engineer: Tommy Tang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Kinetic VoIP Modem	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE20 at Channel 2462MHz	

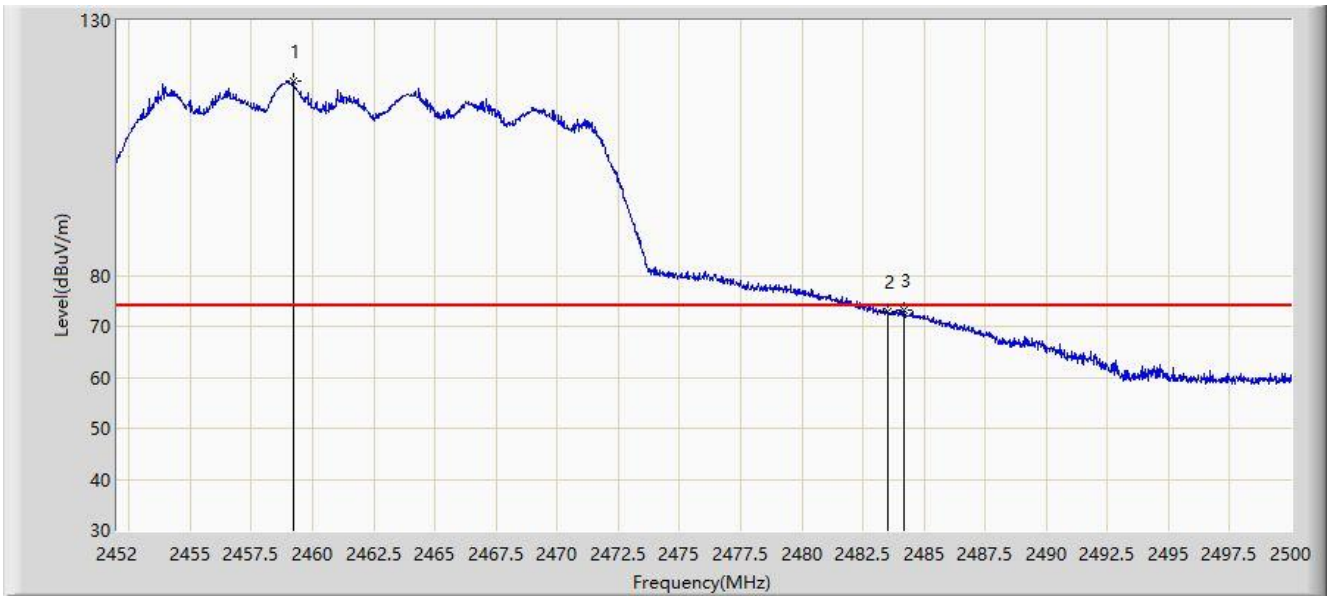


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB)	Type
1		*	2456.824	103.463	72.547	N/A	N/A	30.916	AV
2			2483.500	49.878	18.948	-4.122	54.000	30.931	AV

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

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

Site: WZ-AC1	Time: 2021/05/01 - 00:18
Limit: FCC_Part15.209_RE(3m)	Engineer: Tommy Tang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Kinetic VoIP Modem	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE20 at Channel 2462MHz	

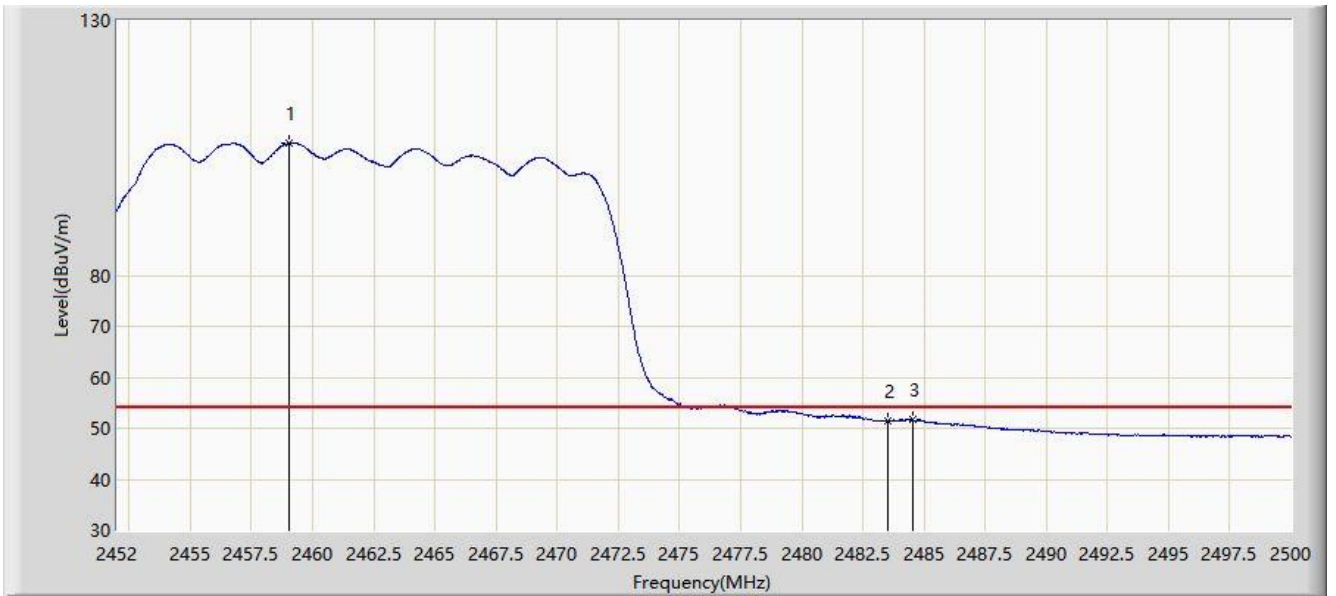


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2459.224	118.159	87.272	44.159	74.000	30.887	PK
2			2483.500	72.761	41.831	-1.239	74.000	30.931	PK
3			2484.184	73.161	42.229	-0.839	74.000	30.932	PK

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

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

Site: WZ-AC1	Time: 2021/05/01 - 00:27
Limit: FCC_Part15.209_RE(3m)	Engineer: Tommy Tang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Kinetic VoIP Modem	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE20 at Channel 2462MHz	

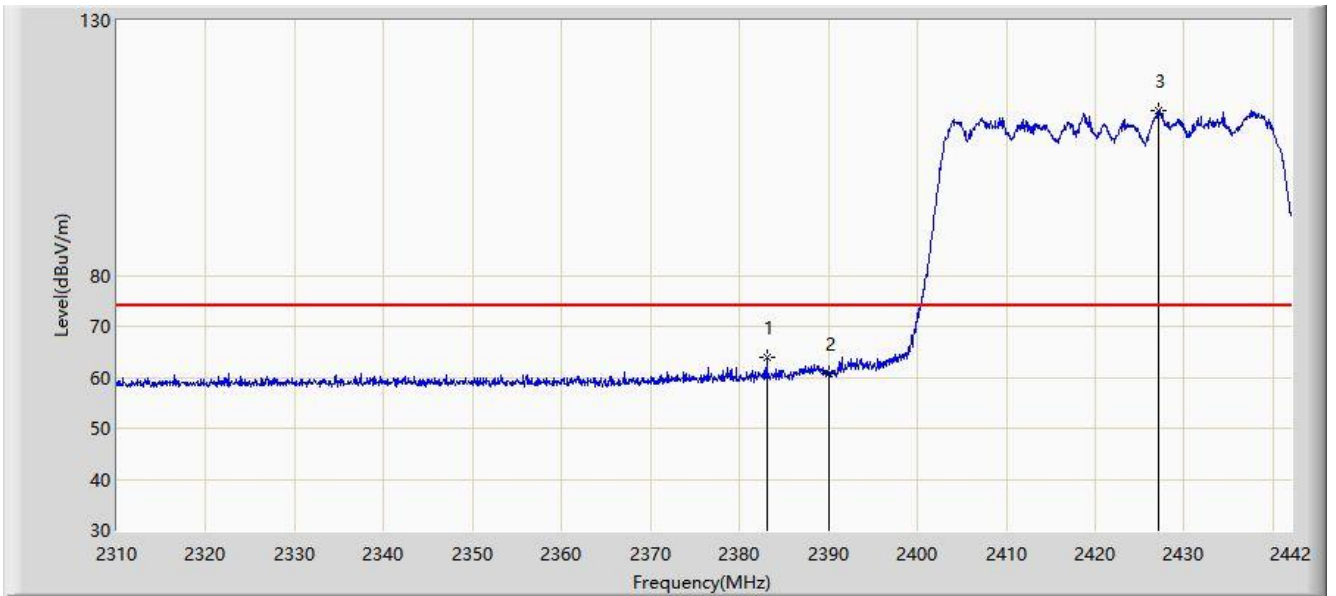


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB)	Type
1		*	2459.032	105.937	75.023	N/A	N/A	30.913	AV
2			2483.500	51.394	20.464	-2.606	54.000	30.931	AV
3			2484.520	51.664	20.731	-2.336	54.000	30.933	AV

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

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

Site: WZ-AC1	Time: 2021/05/01 - 00:43
Limit: FCC_Part15.209_RE(3m)	Engineer: Tommy Tang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Kinetic VoIP Modem	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE40 at Channel 2422MHz	

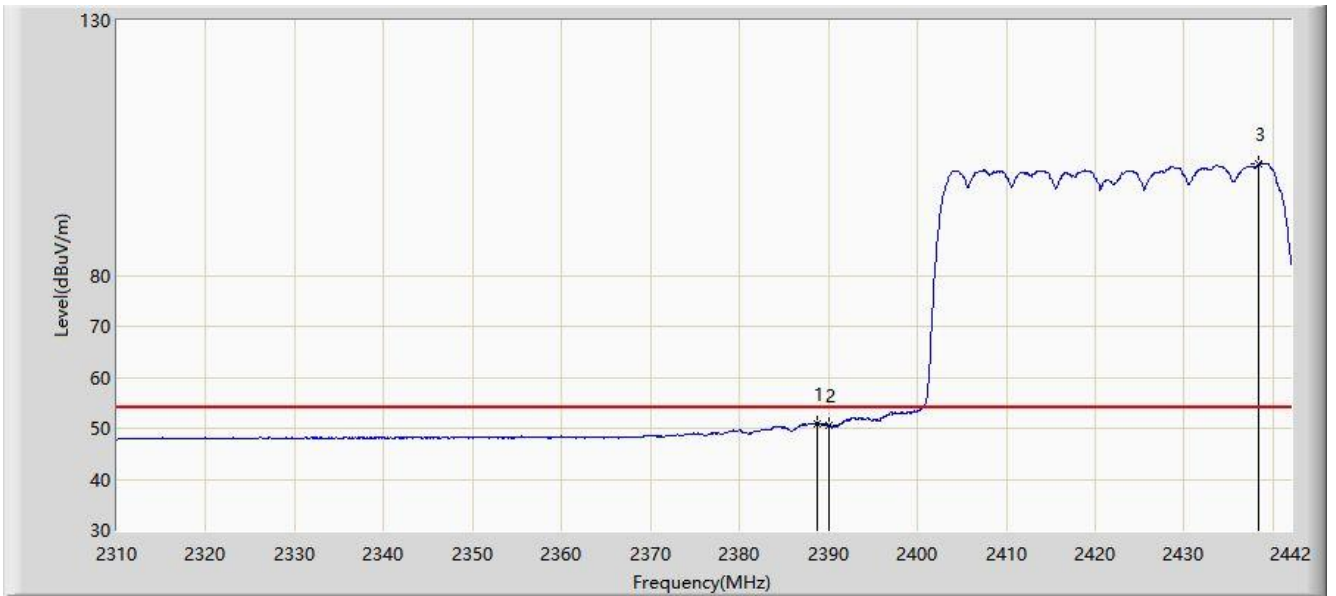


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB)	Type
1			2383.062	63.992	32.923	-10.008	74.000	31.070	PK
2			2390.000	60.606	29.542	-13.394	74.000	31.064	PK
3		*	2427.150	112.258	81.332	N/A	N/A	30.926	PK

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

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

Site: WZ-AC1	Time: 2021/05/01 - 00:42
Limit: FCC_Part15.209_RE(3m)	Engineer: Tommy Tang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Kinetic VoIP Modem	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE40 at Channel 2422MHz	

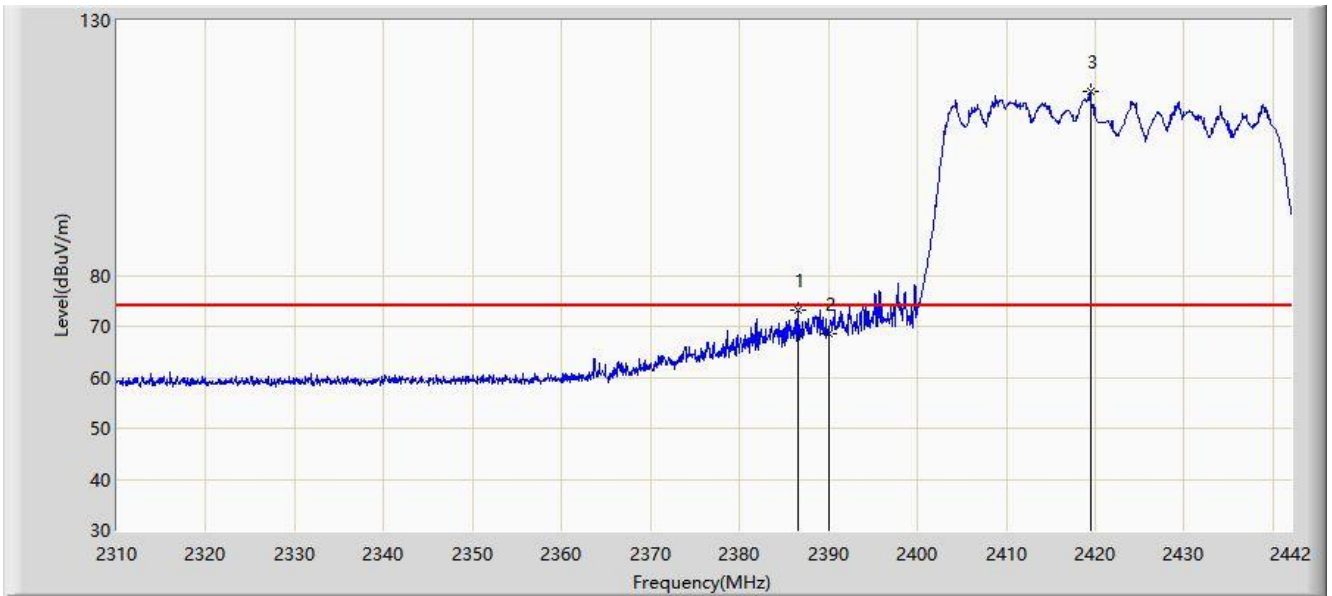


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB)	Type
1			2388.738	50.967	19.902	-3.033	54.000	31.064	AV
2			2390.000	50.554	19.490	-3.446	54.000	31.064	AV
3		*	2438.370	101.932	70.993	N/A	N/A	30.939	AV

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

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

Site: WZ-AC1	Time: 2021/05/01 - 00:45
Limit: FCC_Part15.209_RE(3m)	Engineer: Tommy Tang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Kinetic VoIP Modem	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE40 at Channel 2422MHz	

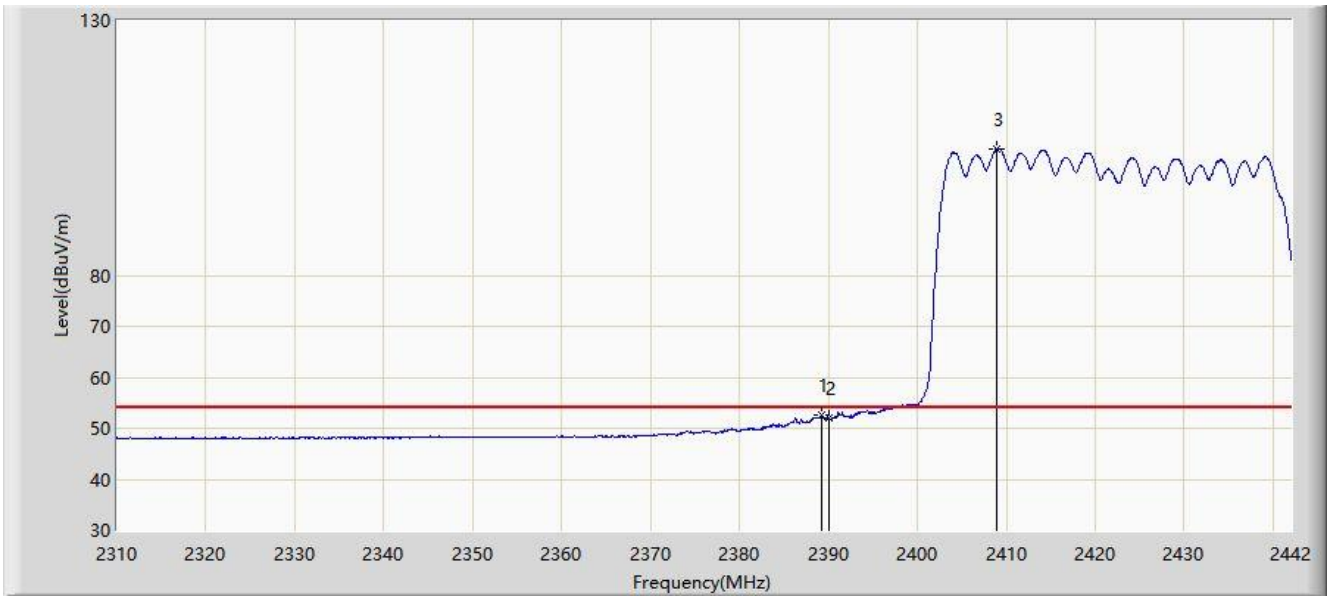


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			2386.560	73.214	42.148	-0.786	74.000	31.066	PK
2			2390.000	68.600	37.536	-5.400	74.000	31.064	PK
3		*	2419.428	116.100	85.156	N/A	N/A	30.944	PK

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

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

Site: WZ-AC1	Time: 2021/05/01 - 00:40
Limit: FCC_Part15.209_RE(3m)	Engineer: Tommy Tang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Kinetic VoIP Modem	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE40 at Channel 2422MHz	

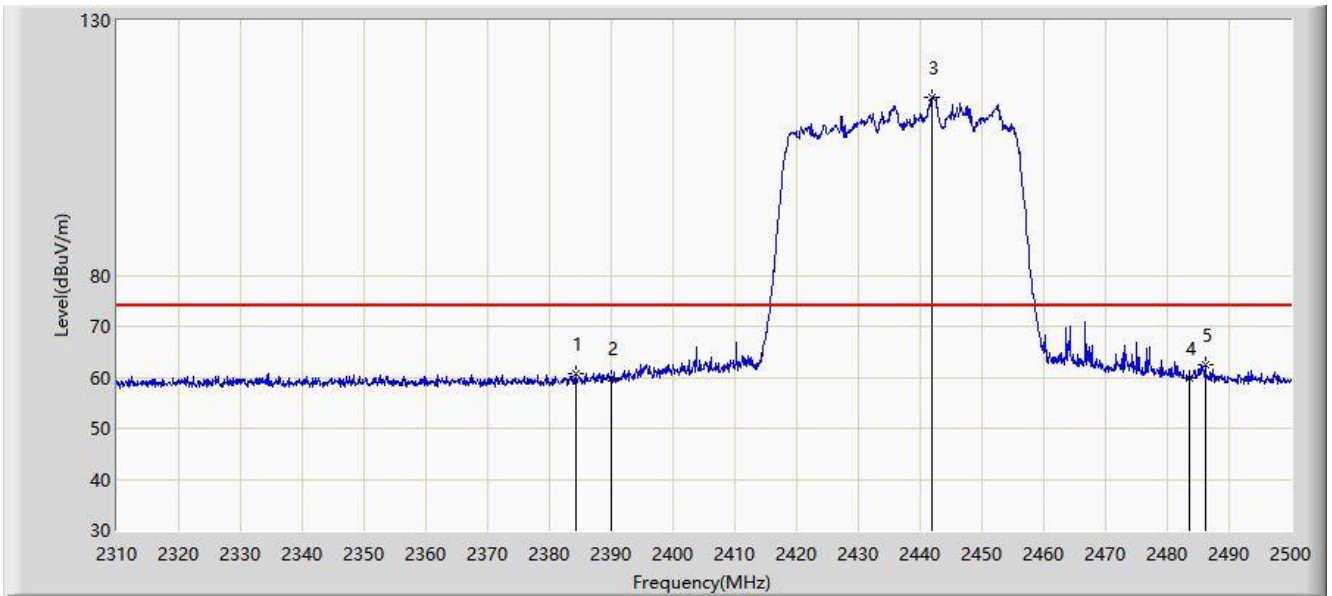


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB)	Type
1			2389.266	52.543	21.479	-1.457	54.000	31.064	AV
2			2390.000	51.954	20.890	-2.046	54.000	31.064	AV
3		*	2408.868	104.762	73.760	N/A	N/A	31.002	AV

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

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

Site: WZ-AC1	Time: 2021/05/04 - 12:39
Limit: FCC_Part15.209_RE(3m)	Engineer: Tommy Tang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Kinetic VoIP Modem	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE40 at Channel 2437MHz	

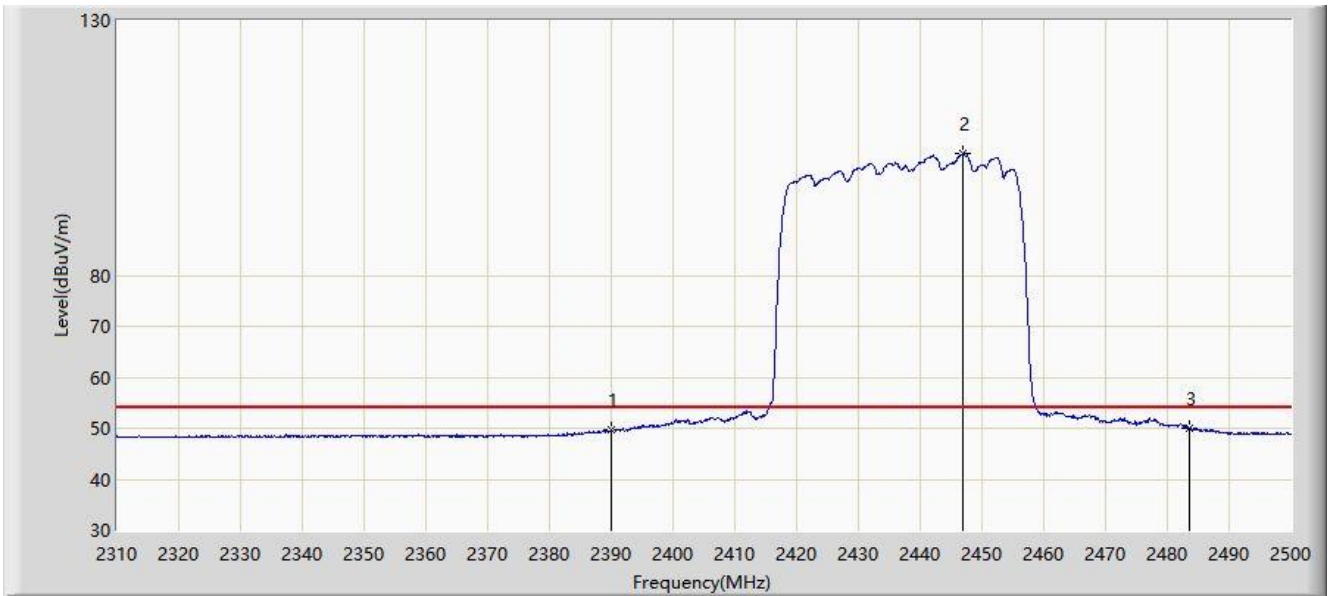


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2384.195	60.647	29.579	-13.353	74.000	31.068	PK
2			2390.000	59.804	28.740	-14.196	74.000	31.064	PK
3		*	2441.955	115.062	84.124	N/A	N/A	30.938	PK
4			2483.500	59.711	28.781	-14.289	74.000	30.931	PK
5			2486.130	62.582	31.645	-11.418	74.000	30.937	PK

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

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

Site: WZ-AC1	Time: 2021/05/04 - 12:38
Limit: FCC_Part15.209_RE(3m)	Engineer: Tommy Tang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Kinetic VoIP Modem	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE40 at Channel 2437MHz	

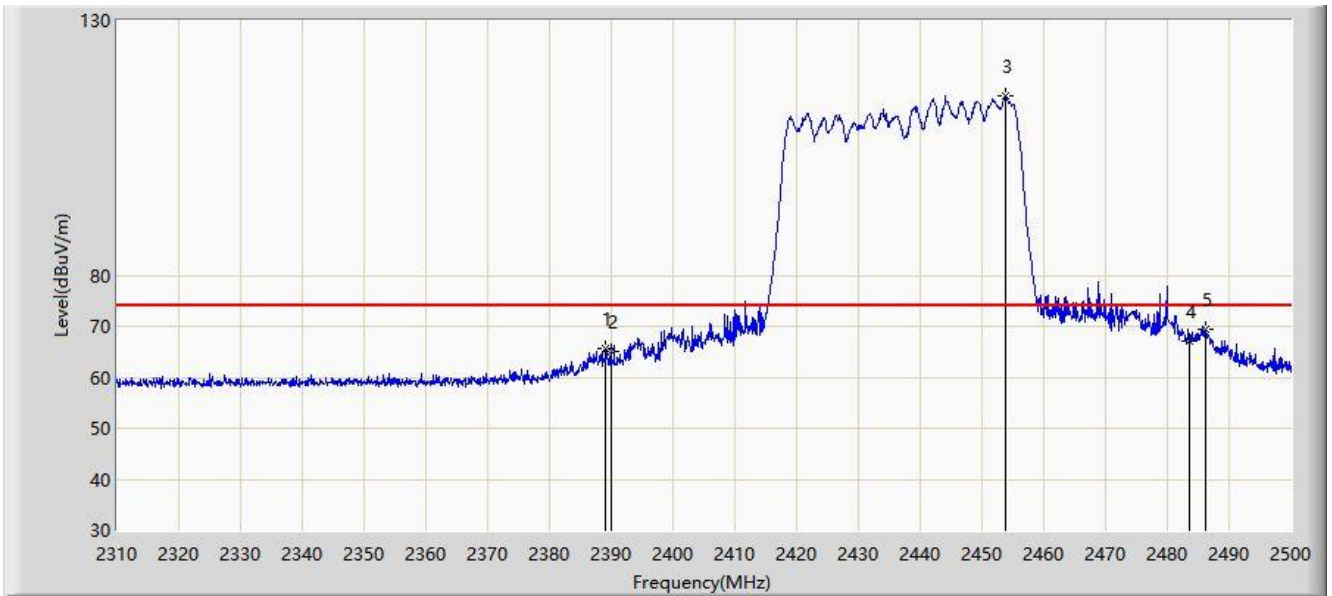


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB)	Type
1			2390.000	49.625	18.561	-4.375	54.000	31.064	AV
2		*	2446.990	103.875	72.941	N/A	N/A	30.934	AV
3			2483.500	50.078	19.148	-3.922	54.000	30.931	AV

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

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

Site: WZ-AC1	Time: 2021/05/04 - 12:40
Limit: FCC_Part15.209_RE(3m)	Engineer: Tommy Tang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Kinetic VoIP Modem	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE40 at Channel 2437MHz	

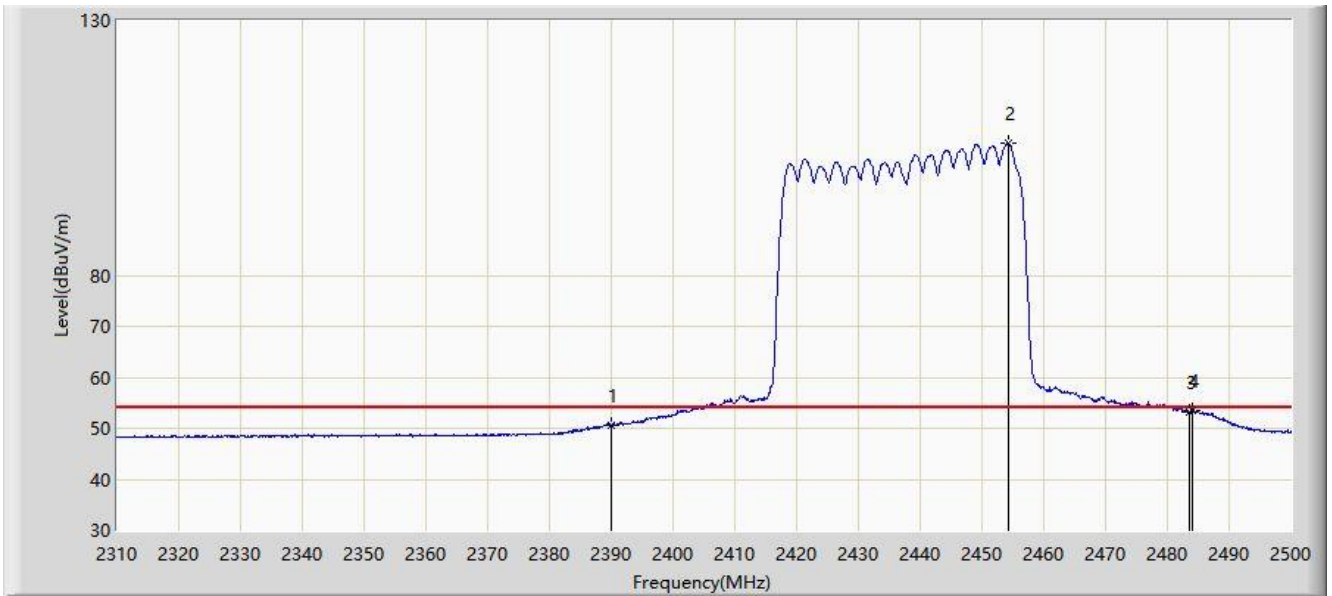


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2389.040	65.722	34.658	-8.278	74.000	31.064	PK
2			2390.000	65.029	33.965	-8.971	74.000	31.064	PK
3		*	2453.830	115.291	84.370	N/A	N/A	30.921	PK
4			2483.500	67.077	36.147	-6.923	74.000	30.931	PK
5			2486.225	69.335	38.398	-4.665	74.000	30.937	PK

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

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

Site: WZ-AC1	Time: 2021/05/04 - 12:36
Limit: FCC_Part15.209_RE(3m)	Engineer: Tommy Tang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Kinetic VoIP Modem	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE40 at Channel 2437MHz	

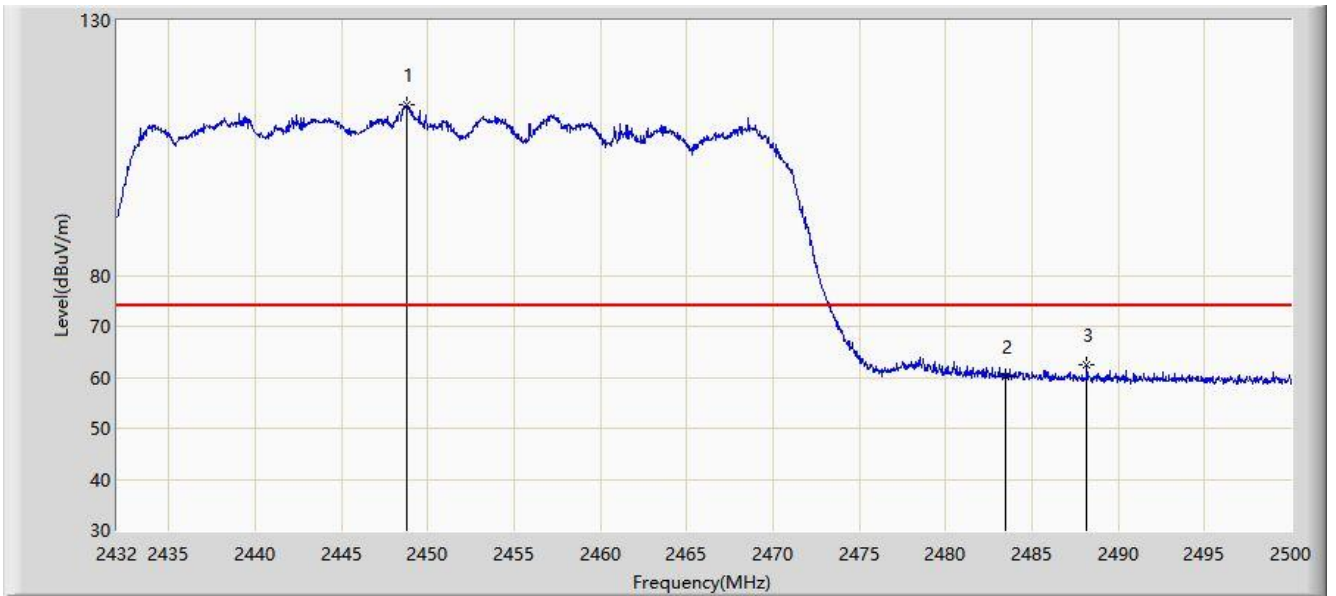


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB)	Type
1			2390.000	50.496	19.432	-3.504	54.000	31.064	AV
2		*	2454.305	105.968	75.048	N/A	N/A	30.920	AV
3			2483.500	53.255	22.325	-0.745	54.000	30.931	AV
4			2484.040	53.488	22.556	-0.512	54.000	30.932	AV

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

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

Site: WZ-AC1	Time: 2021/05/04 - 13:31
Limit: FCC_Part15.209_RE(3m)	Engineer: Tommy Tang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Kinetic VoIP Modem	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE40 at Channel 2452MHz	

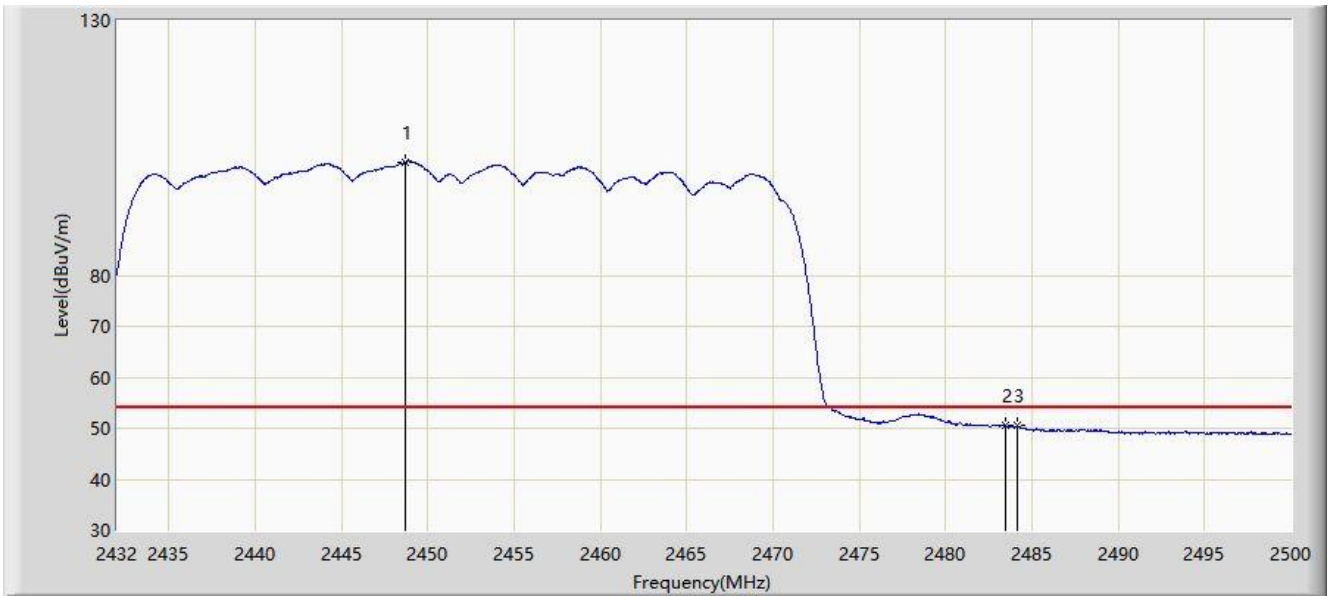


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB)	Type
1		*	2448.762	113.414	82.484	N/A	N/A	30.931	PK
2			2483.500	60.187	29.257	-13.813	74.000	30.931	PK
3			2488.168	62.341	31.399	-11.659	74.000	30.942	PK

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

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

Site: WZ-AC1	Time: 2021/05/04 - 13:29
Limit: FCC_Part15.209_RE(3m)	Engineer: Tommy Tang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Kinetic VoIP Modem	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE40 at Channel 2452MHz	

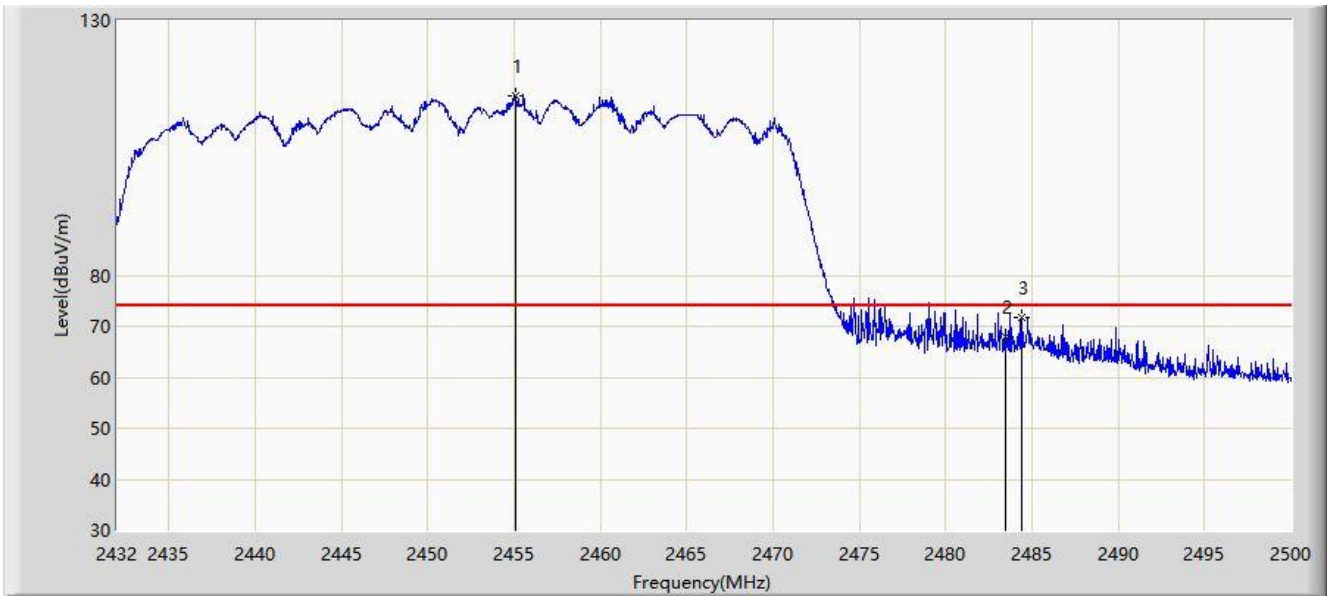


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB)	Type
1		*	2448.728	102.237	71.307	N/A	N/A	30.931	AV
2			2483.500	50.435	19.505	-3.565	54.000	30.931	AV
3			2484.190	50.475	19.543	-3.525	54.000	30.932	AV

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

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

Site: WZ-AC1	Time: 2021/05/04 - 13:32
Limit: FCC_Part15.209_RE(3m)	Engineer: Tommy Tang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Kinetic VoIP Modem	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE40 at Channel 2452MHz	

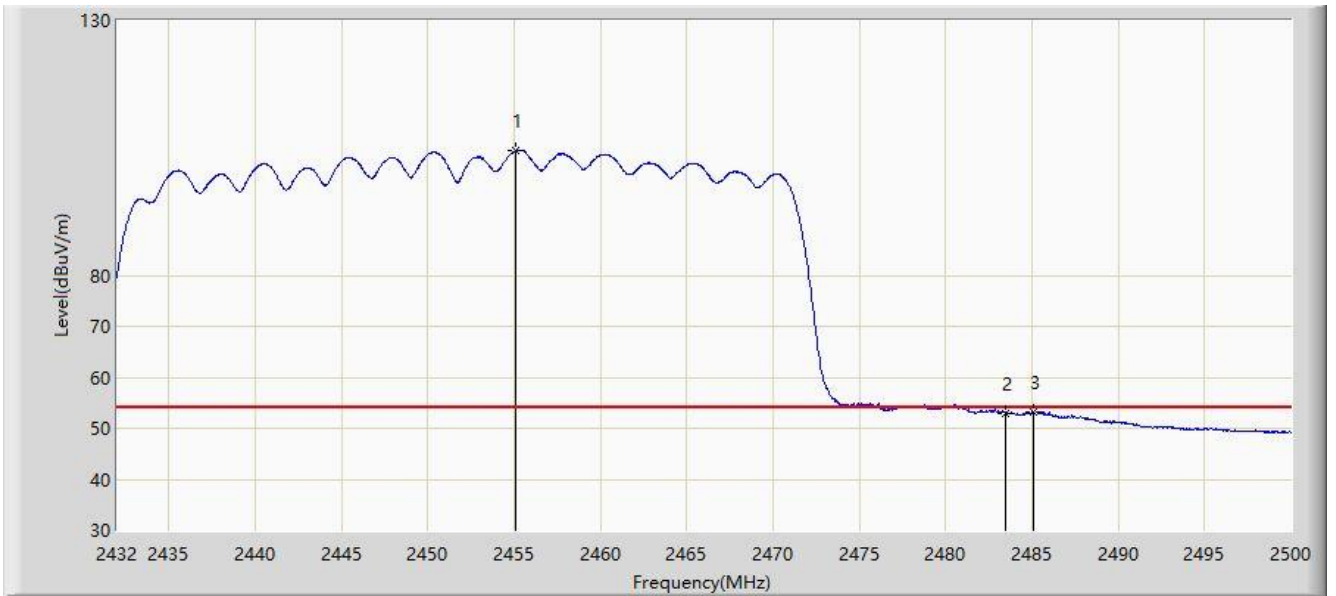


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB)	Type
1		*	2455.120	115.329	84.410	N/A	N/A	30.919	PK
2			2483.500	68.038	37.108	-5.962	74.000	30.931	PK
3			2484.428	71.684	40.751	-2.316	74.000	30.933	PK

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

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

Site: WZ-AC1	Time: 2021/05/04 - 13:13
Limit: FCC_Part15.209_RE(3m)	Engineer: Tommy Tang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Kinetic VoIP Modem	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE40 at Channel 2452MHz	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB)	Type
1		*	2455.120	104.390	73.493	N/A	N/A	30.897	AV
2			2483.500	52.922	21.992	-1.078	54.000	30.931	AV
3			2485.108	53.277	22.343	-0.723	54.000	30.934	AV

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

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

5.8. AC Conducted Emission Measurement

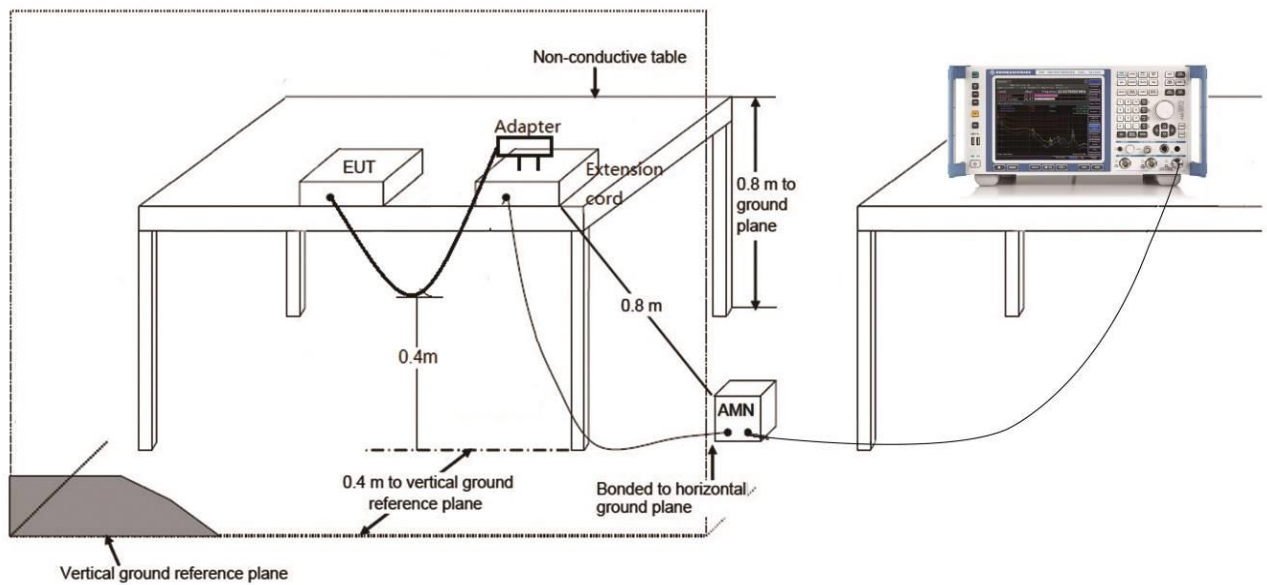
5.8.1. Test Limit

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.

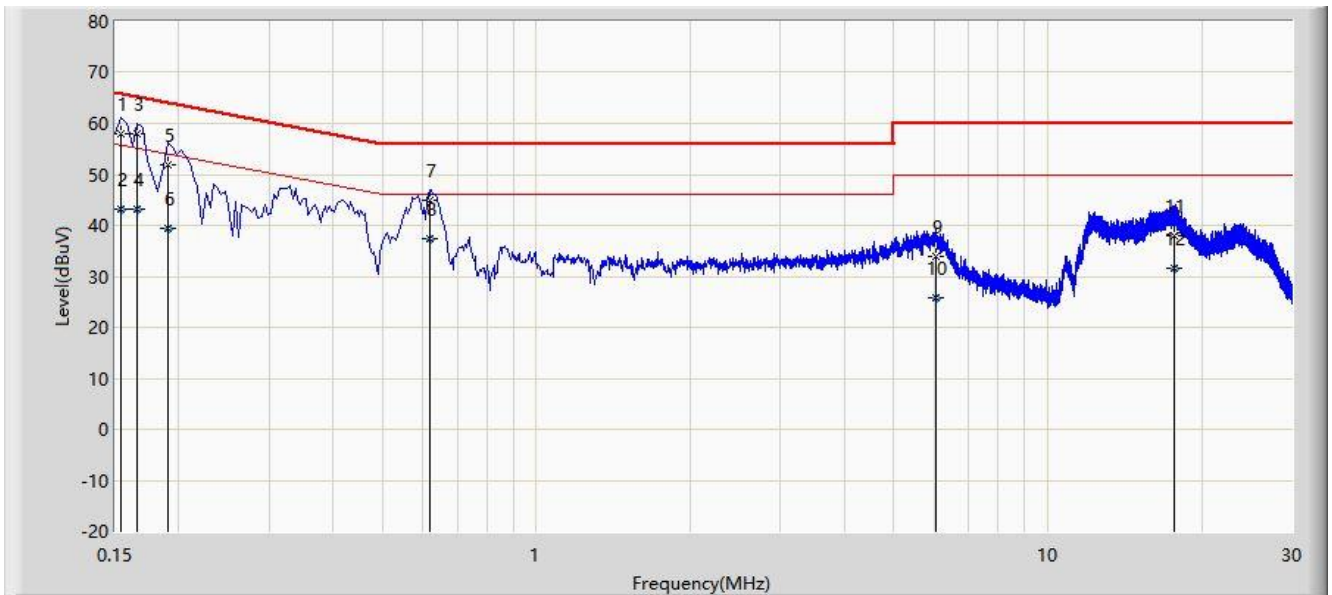
Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.5MHz.

5.8.2. Test Setup



5.8.3. Test Result

Site: WZ-SR2	Time: 2021/05/11 - 14:26
Limit: FCC_Part15.207_CE_AC Power	Engineer: Antony Yang
Probe: ENV216_101683_Filter Off_Without Adapter	Polarity: Line
EUT: Kinetic VoIP Modem	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2437MHz	

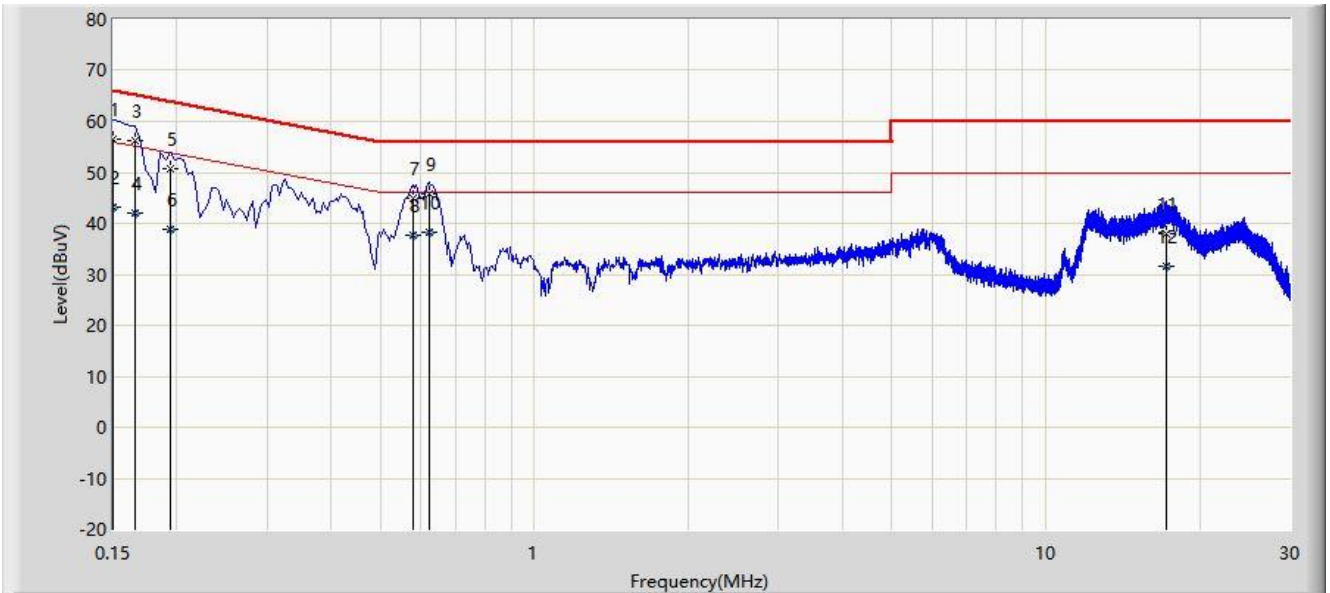


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV)	Factor (dB)	Type
1			0.154	57.934	48.133	-7.848	65.781	9.800	QP
2			0.154	43.220	33.420	-12.561	55.781	9.800	AV
3		*	0.166	57.870	48.063	-7.288	65.158	9.807	QP
4			0.166	43.304	33.497	-11.855	55.158	9.807	AV
5			0.190	51.855	42.039	-12.182	64.037	9.816	QP
6			0.190	39.555	29.739	-14.481	54.037	9.816	AV
7			0.618	44.821	34.941	-11.179	56.000	9.881	QP
8			0.618	37.497	27.617	-8.503	46.000	9.881	AV
9			6.034	33.899	23.431	-26.101	60.000	10.468	QP
10			6.034	25.854	15.386	-24.146	50.000	10.468	AV
11			17.658	37.923	27.214	-22.077	60.000	10.708	QP
12			17.658	31.496	20.787	-18.504	50.000	10.708	AV

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

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

Site: WZ-SR2	Time: 2021/05/11 - 14:30
Limit: FCC_Part15.207_CE_AC Power	Engineer: Antony Yang
Probe: ENV216_101683_Filter Off_Without Adapter	Polarity: Neutral
EUT: Kinetic VoIP Modem	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2437MHz	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV)	Factor (dB)	Type
1			0.150	56.409	46.621	-9.591	66.000	9.788	QP
2			0.150	43.046	33.258	-12.954	56.000	9.788	AV
3			0.166	56.201	46.404	-8.958	65.158	9.797	QP
4			0.166	42.075	32.279	-13.083	55.158	9.797	AV
5			0.194	50.735	40.928	-13.128	63.864	9.807	QP
6			0.194	38.730	28.923	-15.134	53.864	9.807	AV
7			0.578	44.941	35.074	-11.059	56.000	9.867	QP
8			0.578	37.630	27.763	-8.370	46.000	9.867	AV
9			0.622	45.829	35.958	-10.171	56.000	9.871	QP
10		*	0.622	38.284	28.413	-7.716	46.000	9.871	AV
11			17.254	37.970	27.322	-22.030	60.000	10.648	QP
12			17.254	31.562	20.914	-18.438	50.000	10.648	AV

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

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

6. CONCLUSION

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

The End

Appendix A - Test Setup Photograph

Refer to "2103RSU011-UT" file.

Appendix B - EUT Photograph

Refer to "2103RSU011-UE" file.