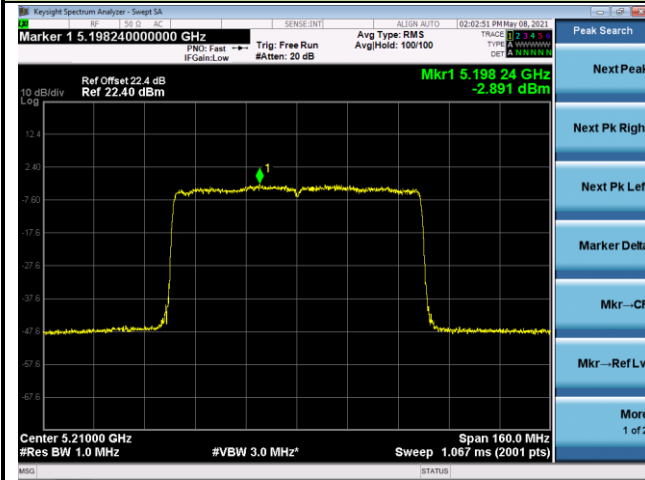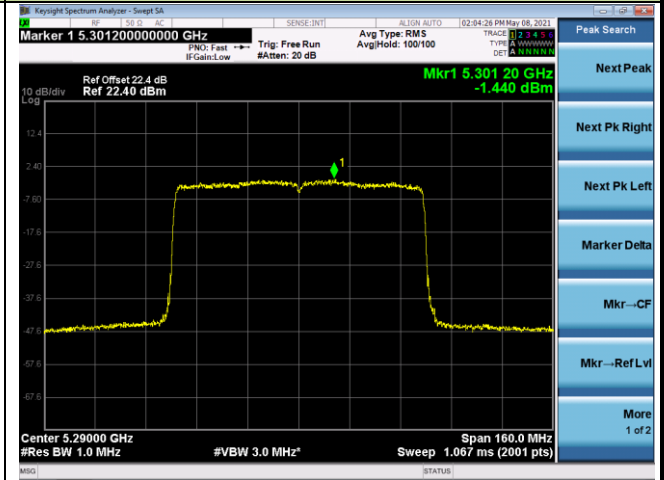## 802.11ax-HE80 Power Spectral Density - Ant 3
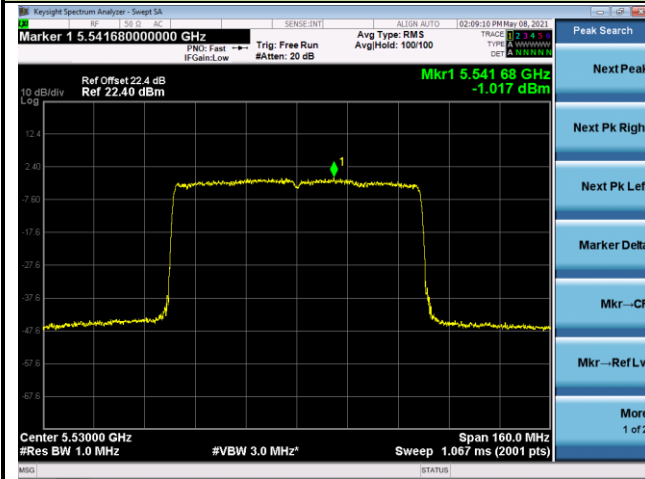
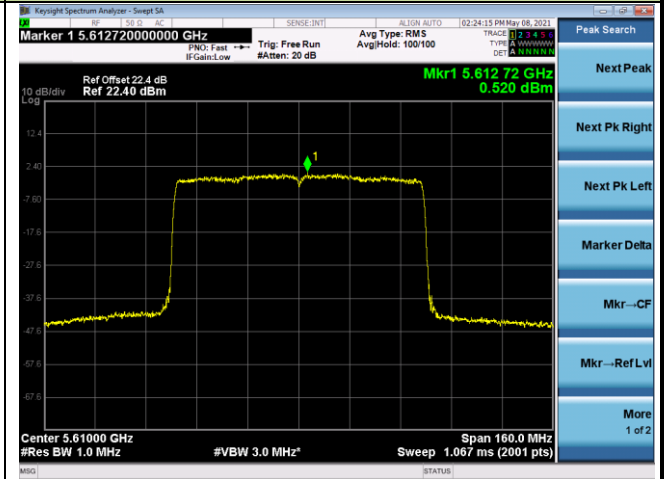| Channel 42 (5210MHz)	Channel 58 (5290MHz)

Channel 106 (5530MHz)	Channel 122 (5610MHz)

Channel 138 (5690MHz)	Channel 155 (5775MHz)
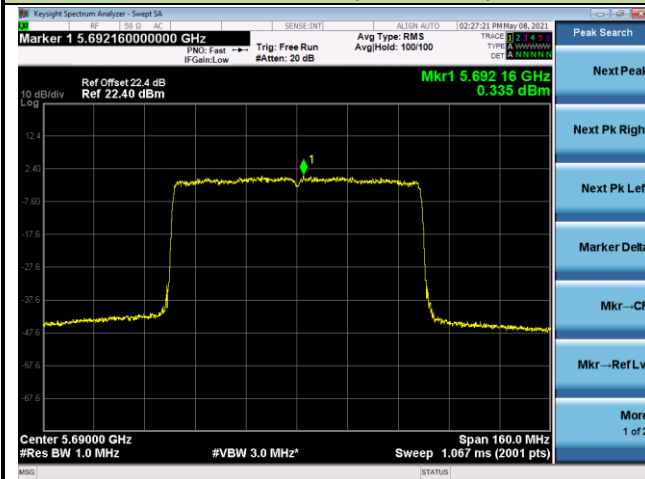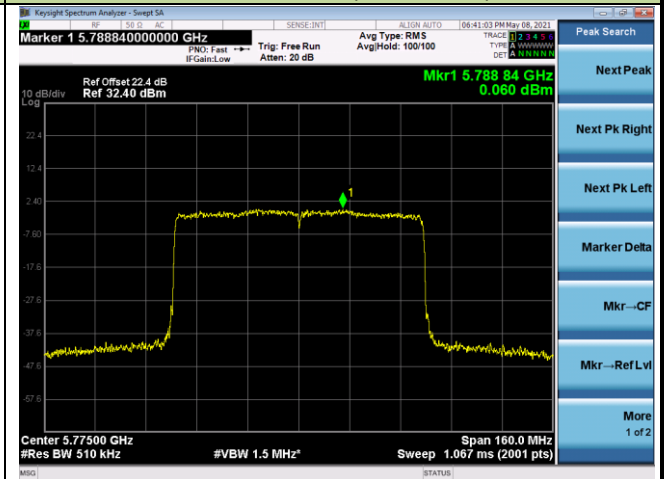
802.11ax-HE160 Power Spectral Density - Ant 3
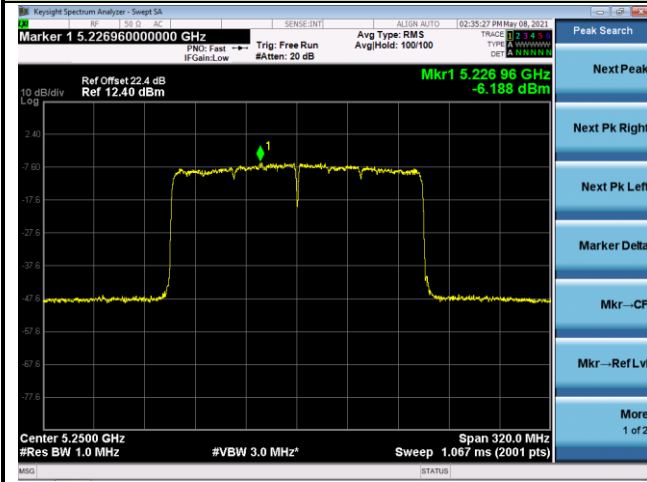
Channel 50 (5250MHz)	Channel 114 (5570MHz)
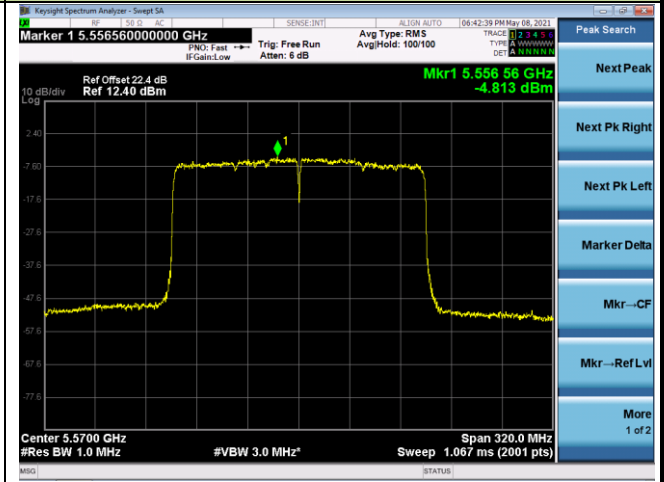
5.7. Radiated Spurious Emission Measurement

5.7.1.Test Limit

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title

47 CFR must not exceed the limits shown in Table per Section 15.209.

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

5.7.2.Test Procedure

KDB 789033 D02v02r01- Section G

5.7.3.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 ≥ 98%, set VBW = 10Hz

   If the EUT duty cycle is < 98%, set VBW ≥ 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

5.7.4.Test Setup

Below 1GHz Test Setup:
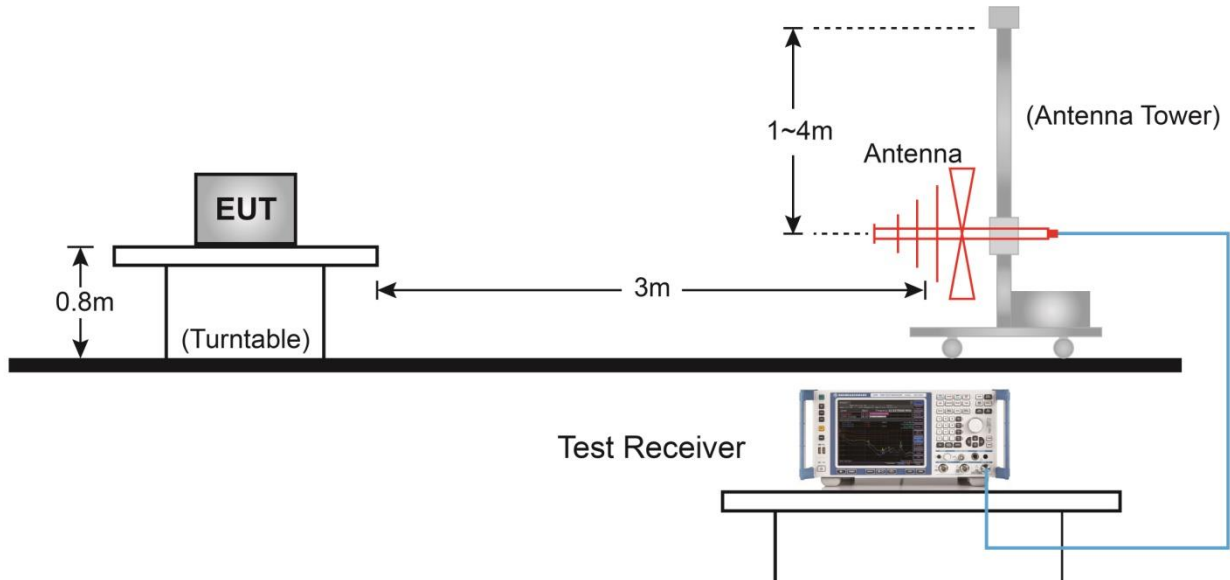
Above1GHz Test Setup:
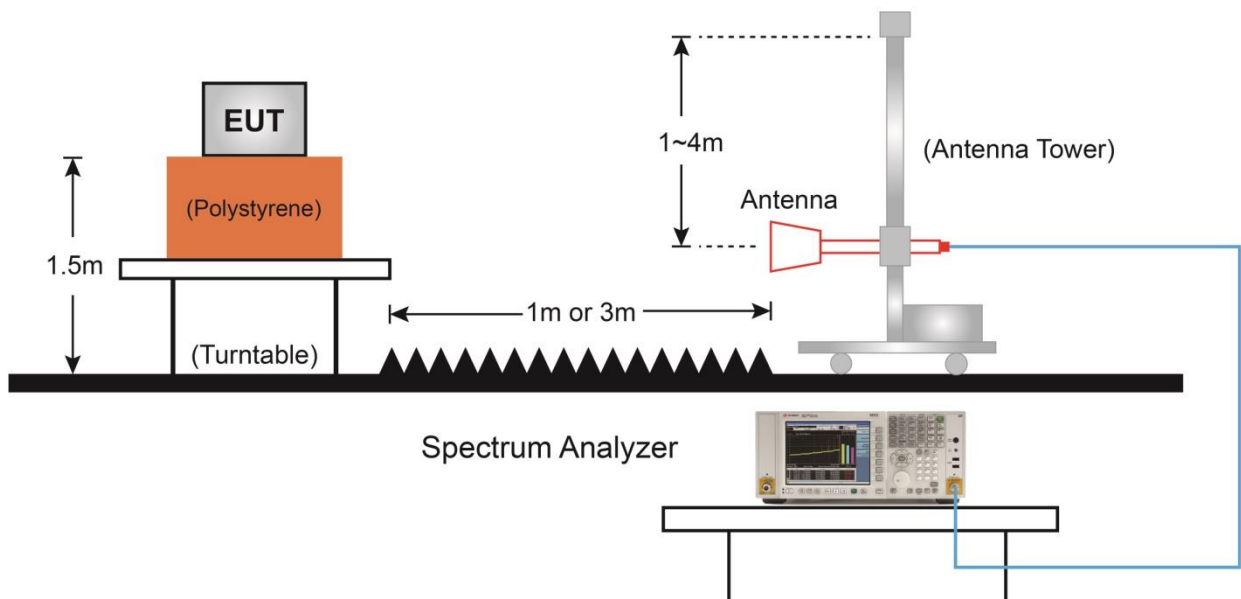
5.7.5.Test Result

Product	Kinetic VoIP Modem	Test Engineer	Hyde Yu
Test Site	WZ-AC2	Test Date	2021/05/10
Test Mode	802.11a	Test Channel	36
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7604.5	34.8	12.0	46.8	74.0	-27.2	Peak	Horizontal
	8488.5	34.1	12.7	46.8	74.0	-27.2	Peak	Horizontal
*	9729.5	34.9	14.9	49.8	68.2	-18.4	Peak	Horizontal
*	10282.0	33.8	16.3	50.1	68.2	-18.1	Peak	Horizontal
	7647.0	34.7	12.2	46.9	74.0	-27.1	Peak	Vertical
	8480.0	34.2	12.7	46.9	74.0	-27.1	Peak	Vertical
*	9610.5	34.5	14.9	49.4	68.2	-18.8	Peak	Vertical
*	10384.0	33.6	16.6	50.2	68.2	-18.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	Kinetic VoIP Modem	Test Engineer	Hyde Yu
Test Site	WZ-AC2	Test Date	2021/05/10
Test Mode	802.11a	Test Channel	44
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7494.0	35.5	12.3	47.8	74.0	-26.2	Peak	Horizontal
	8140.0	33.8	12.5	46.3	74.0	-27.7	Peak	Horizontal
*	9585.0	34.7	15.0	49.7	68.2	-18.5	Peak	Horizontal
*	10520.0	34.3	16.5	50.8	68.2	-17.4	Peak	Horizontal
	7536.5	34.4	12.1	46.5	74.0	-27.5	Peak	Vertical
	8497.0	34.9	12.7	47.6	74.0	-26.4	Peak	Vertical
*	9772.0	33.9	15.1	49.0	68.2	-19.2	Peak	Vertical
*	10273.5	33.5	16.3	49.8	68.2	-18.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	Kinetic VoIP Modem	Test Engineer	Hyde Yu
Test Site	WZ-AC2	Test Date	2021/05/10
Test Mode	802.11a	Test Channel	48
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7409.0	34.3	12.4	46.7	74.0	-27.3	Peak	Horizontal
	8199.5	32.3	12.3	44.6	74.0	-29.4	Peak	Horizontal
*	8803.0	32.7	14.1	46.8	68.2	-21.4	Peak	Horizontal
*	10239.5	34.4	16.2	50.6	68.2	-17.6	Peak	Horizontal
	7587.5	32.1	12.2	44.3	74.0	-29.7	Peak	Vertical
	8259.0	32.3	12.2	44.5	74.0	-29.5	Peak	Vertical
*	8743.5	31.3	14.0	45.3	68.2	-22.9	Peak	Vertical
*	9704.0	34.8	14.9	49.7	68.2	-18.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	Kinetic VoIP Modem	Test Engineer	Hyde Yu
Test Site	WZ-AC2	Test Date	2021/05/10
Test Mode	802.11a	Test Channel	52
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7638.5	34.9	12.1	47.0	74.0	-27.0	Peak	Horizontal
	8259.0	33.8	12.2	46.0	74.0	-28.0	Peak	Horizontal
*	8709.5	32.6	13.8	46.4	68.2	-21.8	Peak	Horizontal
*	9789.0	32.8	15.2	48.0	68.2	-20.2	Peak	Horizontal
	7477.0	33.9	12.2	46.1	74.0	-27.9	Peak	Vertical
	8199.5	33.6	12.3	45.9	74.0	-28.1	Peak	Vertical
*	8769.0	32.5	14.2	46.7	68.2	-21.5	Peak	Vertical
*	9780.5	32.8	15.2	48.0	68.2	-20.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	Kinetic VoIP Modem	Test Engineer	Hyde Yu
Test Site	WZ-AC2	Test Date	2021/05/10
Test Mode	802.11a	Test Channel	60
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7570.5	32.1	12.3	44.4	74.0	-29.6	Peak	Horizontal
	8199.5	32.1	12.3	44.4	74.0	-29.6	Peak	Horizontal
*	8888.0	31.1	14.0	45.1	68.2	-23.1	Peak	Horizontal
*	10027.0	31.8	15.4	47.2	68.2	-21.0	Peak	Horizontal
	7604.5	32.0	12.0	44.0	74.0	-30.0	Peak	Vertical
	8276.0	32.8	11.9	44.7	74.0	-29.3	Peak	Vertical
*	8811.5	32.0	14.1	46.1	68.2	-22.1	Peak	Vertical
*	9916.5	31.8	15.4	47.2	68.2	-21.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	Kinetic VoIP Modem	Test Engineer	Hyde Yu
Test Site	WZ-AC2	Test Date	2021/05/10
Test Mode	802.11a	Test Channel	64
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7536.5	32.2	12.1	44.3	74.0	-29.7	Peak	Horizontal
	8310.0	31.5	12.0	43.5	74.0	-30.5	Peak	Horizontal
*	8879.5	31.0	14.0	45.0	68.2	-23.2	Peak	Horizontal
*	9899.5	32.1	15.5	47.6	68.2	-20.6	Peak	Horizontal
	7468.5	33.1	12.1	45.2	74.0	-28.8	Peak	Vertical
	8199.5	33.0	12.3	45.3	74.0	-28.7	Peak	Vertical
*	8735.0	31.6	13.8	45.4	68.2	-22.8	Peak	Vertical
*	9865.5	31.5	15.5	47.0	68.2	-21.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	Kinetic VoIP Modem	Test Engineer	Hyde Yu
Test Site	WZ-AC2	Test Date	2021/05/10
Test Mode	802.11a	Test Channel	100
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7596.0	33.4	12.1	45.5	74.0	-28.5	Peak	Horizontal
	8276.0	33.0	11.9	44.9	74.0	-29.1	Peak	Horizontal
*	8658.5	31.8	13.6	45.4	68.2	-22.8	Peak	Horizontal
*	9882.5	31.1	15.5	46.6	68.2	-21.6	Peak	Horizontal
	7332.5	34.5	12.2	46.7	74.0	-27.3	Peak	Vertical
	8182.5	32.2	12.5	44.7	74.0	-29.3	Peak	Vertical
*	8794.5	31.8	14.1	45.9	68.2	-22.3	Peak	Vertical
*	9942.0	31.6	15.5	47.1	68.2	-21.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	Kinetic VoIP Modem	Test Engineer	Hyde Yu
Test Site	WZ-AC2	Test Date	2021/05/10
Test Mode	802.11a	Test Channel	116
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7443.0	35.8	12.2	48.0	74.0	-26.0	Peak	Horizontal
	8276.0	32.2	11.9	44.1	74.0	-29.9	Peak	Horizontal
*	8735.0	32.1	13.8	45.9	68.2	-22.3	Peak	Horizontal
*	10078.0	32.9	15.3	48.2	68.2	-20.0	Peak	Horizontal
	7443.0	35.6	12.2	47.8	74.0	-26.2	Peak	Vertical
	8310.0	31.9	12.0	43.9	74.0	-30.1	Peak	Vertical
*	8735.0	31.9	13.8	45.7	68.2	-22.5	Peak	Vertical
*	9857.0	32.6	15.4	48.0	68.2	-20.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	Kinetic VoIP Modem		Test Engineer	Hyde Yu
Test Site	WZ-AC2		Test Date	2021/05/10
Test Mode	802.11a		Test Channel	120
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.			

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7468.5	34.6	12.1	46.7	74.0	-27.3	Peak	Horizontal
	8191.0	32.8	12.4	45.2	74.0	-28.8	Peak	Horizontal
*	8735.0	32.0	13.8	45.8	68.2	-22.4	Peak	Horizontal
*	9721.0	33.7	14.9	48.6	68.2	-19.6	Peak	Horizontal
	7562.0	33.3	12.2	45.5	74.0	-28.5	Peak	Vertical
	8310.0	32.6	12.0	44.6	74.0	-29.4	Peak	Vertical
*	8769.0	31.3	14.2	45.5	68.2	-22.7	Peak	Vertical
*	9806.0	32.8	15.3	48.1	68.2	-20.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	Kinetic VoIP Modem	Test Engineer	Hyde Yu
Test Site	WZ-AC2	Test Date	2021/05/10
Test Mode	802.11a	Test Channel	140
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7477.0	31.6	12.2	43.8	74.0	-30.2	Peak	Horizontal
	8276.0	32.8	11.9	44.7	74.0	-29.3	Peak	Horizontal
*	8735.0	31.4	13.8	45.2	68.2	-23.0	Peak	Horizontal
*	9899.5	32.5	15.5	48.0	68.2	-20.2	Peak	Horizontal
	7604.5	31.7	12.0	43.7	74.0	-30.3	Peak	Vertical
	8259.0	33.4	12.2	45.6	74.0	-28.4	Peak	Vertical
*	8769.0	32.3	14.2	46.5	68.2	-21.7	Peak	Vertical
*	9772.0	32.8	15.1	47.9	68.2	-20.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	Kinetic VoIP Modem	Test Engineer	Hyde Yu
Test Site	WZ-AC2	Test Date	2021/05/10
Test Mode	802.11a	Test Channel	144
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7494.0	32.2	12.3	44.5	74.0	-29.5	Peak	Horizontal
	8199.5	32.0	12.3	44.3	74.0	-29.7	Peak	Horizontal
*	8735.0	31.7	13.8	45.5	68.2	-22.7	Peak	Horizontal
*	9976.0	31.6	15.6	47.2	68.2	-21.0	Peak	Horizontal
	7630.0	34.7	12.0	46.7	74.0	-27.3	Peak	Vertical
	8310.0	32.6	12.0	44.6	74.0	-29.4	Peak	Vertical
*	8692.5	32.1	13.8	45.9	68.2	-22.3	Peak	Vertical
*	9687.0	35.9	14.9	50.8	68.2	-17.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	Kinetic VoIP Modem	Test Engineer	Hyde Yu
Test Site	WZ-AC2	Test Date	2021/05/10
Test Mode	802.11a	Test Channel	149
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7502.5	32.2	12.3	44.5	74.0	-29.5	Peak	Horizontal
	8242.0	32.8	12.2	45.0	74.0	-29.0	Peak	Horizontal
*	8769.0	32.0	14.2	46.2	68.2	-22.0	Peak	Horizontal
*	9755.0	34.6	15.0	49.6	68.2	-18.6	Peak	Horizontal
	7664.0	37.6	12.1	49.7	74.0	-24.3	Peak	Vertical
	11497.5	36.0	18.7	54.7	74.0	-19.3	Peak	Vertical
	11497.5	28.7	18.7	47.4	54.0	-6.6	Average	Vertical
*	13027.5	31.2	21.0	52.2	68.2	-16.0	Peak	Vertical
*	13801.0	32.5	21.6	54.1	68.2	-14.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	Kinetic VoIP Modem	Test Engineer	Hyde Yu
Test Site	WZ-AC2	Test Date	2021/05/10
Test Mode	802.11a	Test Channel	157
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8242.0	33.2	12.2	45.4	74.0	-28.6	Peak	Horizontal
	11565.5	34.0	18.9	52.9	74.0	-21.1	Peak	Horizontal
	11565.5	27.9	18.9	46.8	54.0	-7.2	Average	Horizontal
*	13019.0	31.5	20.8	52.3	68.2	-15.9	Peak	Horizontal
*	13886.0	31.1	21.6	52.7	68.2	-15.5	Peak	Horizontal
	11565.5	37.1	18.9	56.0	74.0	-18.0	Peak	Vertical
	11565.5	30.9	18.9	49.8	54.0	-4.2	Average	Vertical
	12356.0	32.3	18.4	50.7	74.0	-23.3	Peak	Vertical
*	12891.5	30.8	19.6	50.4	68.2	-17.8	Peak	Vertical
*	13971.0	30.9	21.0	51.9	68.2	-16.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	Kinetic VoIP Modem	Test Engineer	Hyde Yu
Test Site	WZ-AC2	Test Date	2021/05/10
Test Mode	802.11a	Test Channel	165
Remark	1. Average measurement was not performed if peak level lower than average limit.		
	2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	11055.5	33.2	18.1	51.3	74.0	-22.7	Peak	Horizontal
	11650.5	33.2	19.6	52.8	74.0	-21.2	Peak	Horizontal
	11650.5	27.5	19.6	47.1	54.0	-6.9	Average	Horizontal
*	13002.0	32.2	20.2	52.4	68.2	-15.8	Peak	Horizontal
*	13979.5	31.9	21.0	52.9	68.2	-15.3	Peak	Horizontal
	10885.5	32.9	17.8	50.7	74.0	-23.3	Peak	Vertical
	11650.5	37.3	19.6	56.9	74.0	-17.1	Peak	Vertical
	11650.5	30.7	19.6	50.3	54.0	-3.7	Average	Vertical
*	13835.0	32.9	21.9	54.8	68.2	-13.4	Peak	Vertical
*	14702.0	34.3	22.4	56.7	68.2	-11.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	Kinetic VoIP Modem	Test Engineer	Hyde Yu
Test Site	WZ-AC2	Test Date	2021/05/10
Test Mode	802.11ac-VHT20	Test Channel	36
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7519.5	33.3	12.1	45.4	74.0	-28.6	Peak	Horizontal
	8276.0	31.9	11.9	43.8	74.0	-30.2	Peak	Horizontal
*	8794.5	31.3	14.1	45.4	68.2	-22.8	Peak	Horizontal
*	9908.0	32.6	15.4	48.0	68.2	-20.2	Peak	Horizontal
	7409.0	33.0	12.4	45.4	74.0	-28.6	Peak	Vertical
	8284.5	32.5	11.8	44.3	74.0	-29.7	Peak	Vertical
*	8735.0	31.7	13.8	45.5	68.2	-22.7	Peak	Vertical
*	10256.5	33.4	16.3	49.7	68.2	-18.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	Kinetic VoIP Modem	Test Engineer	Hyde Yu
Test Site	WZ-AC2	Test Date	2021/05/10
Test Mode	802.11ac-VHT20	Test Channel	44
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7502.5	33.9	12.3	46.2	74.0	-27.8	Peak	Horizontal
	8284.5	31.8	11.8	43.6	74.0	-30.4	Peak	Horizontal
*	8811.5	31.5	14.1	45.6	68.2	-22.6	Peak	Horizontal
*	9899.5	32.1	15.5	47.6	68.2	-20.6	Peak	Horizontal
	7502.5	32.4	12.3	44.7	74.0	-29.3	Peak	Vertical
	8276.0	32.9	11.9	44.8	74.0	-29.2	Peak	Vertical
*	8811.5	31.2	14.1	45.3	68.2	-22.9	Peak	Vertical
*	9814.5	31.7	15.3	47.0	68.2	-21.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	Kinetic VoIP Modem	Test Engineer	Hyde Yu
Test Site	WZ-AC2	Test Date	2021/05/10
Test Mode	802.11ac-VHT20	Test Channel	48
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7477.0	31.5	12.2	43.7	74.0	-30.3	Peak	Horizontal
	8293.0	32.8	11.8	44.6	74.0	-29.4	Peak	Horizontal
*	8667.0	31.5	13.7	45.2	68.2	-23.0	Peak	Horizontal
*	9848.5	32.4	15.4	47.8	68.2	-20.4	Peak	Horizontal
	7604.5	34.1	12.0	46.1	74.0	-27.9	Peak	Vertical
	8208.0	33.8	12.1	45.9	74.0	-28.1	Peak	Vertical
*	8692.5	31.7	13.8	45.5	68.2	-22.7	Peak	Vertical
*	10299.0	33.2	16.4	49.6	68.2	-18.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	Kinetic VoIP Modem	Test Engineer	Hyde Yu
Test Site	WZ-AC2	Test Date	2021/05/10
Test Mode	802.11ac-VHT20	Test Channel	52
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7528.0	32.3	12.1	44.4	74.0	-29.6	Peak	Horizontal
	8318.5	32.4	12.1	44.5	74.0	-29.5	Peak	Horizontal
*	8735.0	32.1	13.8	45.9	68.2	-22.3	Peak	Horizontal
*	9814.5	30.9	15.3	46.2	68.2	-22.0	Peak	Horizontal
	7570.5	32.7	12.3	45.0	74.0	-29.0	Peak	Vertical
	8225.0	33.1	12.0	45.1	74.0	-28.9	Peak	Vertical
*	8735.0	31.5	13.8	45.3	68.2	-22.9	Peak	Vertical
*	9831.5	31.4	15.3	46.7	68.2	-21.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	Kinetic VoIP Modem	Test Engineer	Hyde Yu
Test Site	WZ-AC2	Test Date	2021/05/10
Test Mode	802.11ac-VHT20	Test Channel	60
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7434.5	32.1	12.4	44.5	74.0	-29.5	Peak	Horizontal
	8199.5	31.7	12.3	44.0	74.0	-30.0	Peak	Horizontal
*	8794.5	30.7	14.1	44.8	68.2	-23.4	Peak	Horizontal
*	9823.0	31.0	15.3	46.3	68.2	-21.9	Peak	Horizontal
	7511.0	32.4	12.2	44.6	74.0	-29.4	Peak	Vertical
	8318.5	32.8	12.1	44.9	74.0	-29.1	Peak	Vertical
*	8811.5	31.5	14.1	45.6	68.2	-22.6	Peak	Vertical
*	9746.5	32.1	15.0	47.1	68.2	-21.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	Kinetic VoIP Modem	Test Engineer	Hyde Yu
Test Site	WZ-AC2	Test Date	2021/05/10
Test Mode	802.11ac-VHT20	Test Channel	64
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7536.5	32.7	12.1	44.8	74.0	-29.2	Peak	Horizontal
	8276.0	31.6	11.9	43.5	74.0	-30.5	Peak	Horizontal
*	8769.0	32.1	14.2	46.3	68.2	-21.9	Peak	Horizontal
*	9687.0	32.2	14.9	47.1	68.2	-21.1	Peak	Horizontal
	7468.5	32.8	12.1	44.9	74.0	-29.1	Peak	Vertical
	8284.5	31.9	11.8	43.7	74.0	-30.3	Peak	Vertical
*	8692.5	31.4	13.8	45.2	68.2	-23.0	Peak	Vertical
*	9942.0	31.3	15.5	46.8	68.2	-21.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	Kinetic VoIP Modem	Test Engineer	Hyde Yu
Test Site	WZ-AC2	Test Date	2021/05/10
Test Mode	802.11ac-VHT20	Test Channel	100
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7630.0	33.7	12.0	45.7	74.0	-28.3	Peak	Horizontal
	8199.5	32.9	12.3	45.2	74.0	-28.8	Peak	Horizontal
*	8735.0	31.6	13.8	45.4	68.2	-22.8	Peak	Horizontal
*	10120.5	32.7	15.3	48.0	68.2	-20.2	Peak	Horizontal
	7468.5	31.9	12.1	44.0	74.0	-30.0	Peak	Vertical
	8242.0	32.6	12.2	44.8	74.0	-29.2	Peak	Vertical
*	8701.0	31.2	13.8	45.0	68.2	-23.2	Peak	Vertical
*	9993.0	32.0	15.4	47.4	68.2	-20.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	Kinetic VoIP Modem	Test Engineer	Hyde Yu
Test Site	WZ-AC2	Test Date	2021/05/10
Test Mode	802.11ac-VHT20	Test Channel	116
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7502.5	32.0	12.3	44.3	74.0	-29.7	Peak	Horizontal
	8480.0	35.0	12.7	47.7	74.0	-26.3	Peak	Horizontal
*	8811.5	30.8	14.1	44.9	68.2	-23.3	Peak	Horizontal
*	9899.5	31.2	15.5	46.7	68.2	-21.5	Peak	Horizontal
	7477.0	32.8	12.2	45.0	74.0	-29.0	Peak	Vertical
	8310.0	32.4	12.0	44.4	74.0	-29.6	Peak	Vertical
*	8777.5	31.7	14.2	45.9	68.2	-22.3	Peak	Vertical
*	9993.0	32.1	15.4	47.5	68.2	-20.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	Kinetic VoIP Modem	Test Engineer	Hyde Yu
Test Site	WZ-AC2	Test Date	2021/05/10
Test Mode	802.11ac-VHT20	Test Channel	120
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7468.5	34.6	12.1	46.7	74.0	-27.3	Peak	Horizontal
	8242.0	32.6	12.2	44.8	74.0	-29.2	Peak	Horizontal
*	8718.0	32.5	13.7	46.2	68.2	-22.0	Peak	Horizontal
*	10078.0	33.5	15.3	48.8	68.2	-19.4	Peak	Horizontal
	7494.0	33.2	12.3	45.5	74.0	-28.5	Peak	Vertical
	8327.0	31.2	12.2	43.4	74.0	-30.6	Peak	Vertical
*	8854.0	30.8	14.2	45.0	68.2	-23.2	Peak	Vertical
*	9942.0	31.4	15.5	46.9	68.2	-21.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	Kinetic VoIP Modem	Test Engineer	Hyde Yu
Test Site	WZ-AC2	Test Date	2021/05/10
Test Mode	802.11ac-VHT20	Test Channel	140
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7460.0	31.4	12.0	43.4	74.0	-30.6	Peak	Horizontal
	8242.0	32.0	12.2	44.2	74.0	-29.8	Peak	Horizontal
*	8837.0	30.9	14.3	45.2	68.2	-23.0	Peak	Horizontal
*	9797.5	31.1	15.3	46.4	68.2	-21.8	Peak	Horizontal
	7502.5	32.4	12.3	44.7	74.0	-29.3	Peak	Vertical
	8174.0	32.0	12.6	44.6	74.0	-29.4	Peak	Vertical
*	8769.0	31.4	14.2	45.6	68.2	-22.6	Peak	Vertical
*	9899.5	31.2	15.5	46.7	68.2	-21.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	Kinetic VoIP Modem	Test Engineer	Hyde Yu
Test Site	WZ-AC2	Test Date	2021/05/10
Test Mode	802.11ac-VHT20	Test Channel	144
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7468.5	32.2	12.1	44.3	74.0	-29.7	Peak	Horizontal
	8276.0	31.7	11.9	43.6	74.0	-30.4	Peak	Horizontal
*	8845.5	30.6	14.2	44.8	68.2	-23.4	Peak	Horizontal
*	9772.0	31.3	15.1	46.4	68.2	-21.8	Peak	Horizontal
	7460.0	31.8	12.0	43.8	74.0	-30.2	Peak	Vertical
	8199.5	32.5	12.3	44.8	74.0	-29.2	Peak	Vertical
*	8692.5	32.2	13.8	46.0	68.2	-22.2	Peak	Vertical
*	10044.0	31.2	15.5	46.7	68.2	-21.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	Kinetic VoIP Modem	Test Engineer	Hyde Yu
Test Site	WZ-AC2	Test Date	2021/05/10
Test Mode	802.11ac-VHT20	Test Channel	149
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7502.5	32.3	12.3	44.6	74.0	-29.4	Peak	Horizontal
	8250.5	33.2	12.2	45.4	74.0	-28.6	Peak	Horizontal
*	8811.5	31.2	14.1	45.3	68.2	-22.9	Peak	Horizontal
*	9882.5	31.8	15.5	47.3	68.2	-20.9	Peak	Horizontal
	7655.5	35.7	12.1	47.8	74.0	-26.2	Peak	Vertical
	11489.0	36.4	18.7	55.1	74.0	-18.9	Peak	Vertical
	11489.0	29.0	18.7	47.7	54.0	-6.3	Average	Vertical
*	13010.5	31.3	20.4	51.7	68.2	-16.5	Peak	Vertical
*	13792.5	31.6	21.7	53.3	68.2	-14.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	Kinetic VoIP Modem		Test Engineer	Hyde Yu
Test Site	WZ-AC2		Test Date	2021/05/10
Test Mode	802.11ac-VHT20		Test Channel	157
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.			

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7528.0	31.7	12.1	43.8	74.0	-30.2	Peak	Horizontal
	8276.0	31.8	11.9	43.7	74.0	-30.3	Peak	Horizontal
*	8692.5	31.4	13.8	45.2	68.2	-23.0	Peak	Horizontal
*	10137.5	31.9	15.4	47.3	68.2	-20.9	Peak	Horizontal
	8242.0	32.0	12.2	44.2	74.0	-29.8	Peak	Vertical
	11574.0	36.0	19.1	55.1	74.0	-18.9	Peak	Vertical
	11574.0	30.0	19.1	49.1	54.0	-4.9	Average	Vertical
*	12891.5	30.9	19.6	50.5	68.2	-17.7	Peak	Vertical
*	13971.0	30.5	21.0	51.5	68.2	-16.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	Kinetic VoIP Modem	Test Engineer	Hyde Yu
Test Site	WZ-AC2	Test Date	2021/05/10
Test Mode	802.11ac-VHT20	Test Channel	165
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	11642.0	34.4	19.7	54.1	74.0	-19.9	Peak	Horizontal
	11642.0	28.2	19.7	47.9	54.0	-6.1	Average	Horizontal
	12160.5	32.3	19.4	51.7	74.0	-22.3	Peak	Horizontal
*	13010.5	31.2	20.4	51.6	68.2	-16.6	Peak	Horizontal
*	13860.5	32.7	22.2	54.9	68.2	-13.3	Peak	Horizontal
	10851.5	33.1	17.9	51.0	74.0	-23.0	Peak	Vertical
	11650.5	37.3	19.6	56.9	74.0	-17.1	Peak	Vertical
	11650.5	30.9	19.6	50.5	54.0	-3.5	Average	Vertical
*	12900.0	32.0	19.5	51.5	68.2	-16.7	Peak	Vertical
*	13988.0	32.1	21.0	53.1	68.2	-15.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	Kinetic VoIP Modem	Test Engineer	Hyde Yu
Test Site	WZ-AC2	Test Date	2021/05/11
Test Mode	802.11ac-VHT40	Test Channel	38
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7528.0	31.8	12.1	43.9	74.0	-30.1	Peak	Horizontal
	8242.0	33.0	12.2	45.2	74.0	-28.8	Peak	Horizontal
*	8701.0	31.4	13.8	45.2	68.2	-23.0	Peak	Horizontal
*	9627.5	34.8	14.9	49.7	68.2	-18.5	Peak	Horizontal
	7511.0	32.2	12.2	44.4	74.0	-29.6	Peak	Vertical
	8310.0	32.4	12.0	44.4	74.0	-29.6	Peak	Vertical
*	8769.0	31.3	14.2	45.5	68.2	-22.7	Peak	Vertical
*	10010.0	31.6	15.4	47.0	68.2	-21.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	Kinetic VoIP Modem		Test Engineer	Hyde Yu
Test Site	WZ-AC2		Test Date	2021/05/11
Test Mode	802.11ac-VHT40		Test Channel	46
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.			

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7502.5	32.8	12.3	45.1	74.0	-28.9	Peak	Horizontal
	8267.5	32.5	12.1	44.6	74.0	-29.4	Peak	Horizontal
*	8735.0	32.3	13.8	46.1	68.2	-22.1	Peak	Horizontal
*	10095.0	33.3	15.4	48.7	68.2	-19.5	Peak	Horizontal
	7536.5	32.3	12.1	44.4	74.0	-29.6	Peak	Vertical
	8293.0	33.5	11.8	45.3	74.0	-28.7	Peak	Vertical
*	8752.0	32.5	14.1	46.6	68.2	-21.6	Peak	Vertical
*	10044.0	33.4	15.5	48.9	68.2	-19.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	Kinetic VoIP Modem	Test Engineer	Hyde Yu
Test Site	WZ-AC2	Test Date	2021/05/11
Test Mode	802.11ac-VHT40	Test Channel	54
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7468.5	33.0	12.1	45.1	74.0	-28.9	Peak	Horizontal
	8284.5	33.0	11.8	44.8	74.0	-29.2	Peak	Horizontal
*	8752.0	32.4	14.1	46.5	68.2	-21.7	Peak	Horizontal
*	9857.0	32.6	15.4	48.0	68.2	-20.2	Peak	Horizontal
	7477.0	34.7	12.2	46.9	74.0	-27.1	Peak	Vertical
	8216.5	33.1	12.1	45.2	74.0	-28.8	Peak	Vertical
*	8590.5	35.4	13.1	48.5	68.2	-19.7	Peak	Vertical
*	9831.5	33.5	15.3	48.8	68.2	-19.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	Kinetic VoIP Modem	Test Engineer	Hyde Yu
Test Site	WZ-AC2	Test Date	2021/05/11
Test Mode	802.11ac-VHT40	Test Channel	62
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7519.5	32.3	12.1	44.4	74.0	-29.6	Peak	Horizontal
	8276.0	32.1	11.9	44.0	74.0	-30.0	Peak	Horizontal
*	8769.0	31.7	14.2	45.9	68.2	-22.3	Peak	Horizontal
*	10095.0	32.4	15.4	47.8	68.2	-20.4	Peak	Horizontal
	7570.5	33.9	12.3	46.2	74.0	-27.8	Peak	Vertical
	8267.5	33.2	12.1	45.3	74.0	-28.7	Peak	Vertical
*	8743.5	31.5	14.0	45.5	68.2	-22.7	Peak	Vertical
*	9814.5	32.5	15.3	47.8	68.2	-20.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	Kinetic VoIP Modem	Test Engineer	Hyde Yu
Test Site	WZ-AC2	Test Date	2021/05/11
Test Mode	802.11ac-VHT40	Test Channel	102
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7451.5	33.0	12.1	45.1	74.0	-28.9	Peak	Horizontal
	8182.5	32.8	12.5	45.3	74.0	-28.7	Peak	Horizontal
*	8735.0	32.0	13.8	45.8	68.2	-22.4	Peak	Horizontal
*	9848.5	32.0	15.4	47.4	68.2	-20.8	Peak	Horizontal
	7545.0	32.4	12.1	44.5	74.0	-29.5	Peak	Vertical
	8284.5	32.0	11.8	43.8	74.0	-30.2	Peak	Vertical
*	8735.0	30.5	13.8	44.3	68.2	-23.9	Peak	Vertical
*	9908.0	32.1	15.4	47.5	68.2	-20.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	Kinetic VoIP Modem	Test Engineer	Hyde Yu
Test Site	WZ-AC2	Test Date	2021/05/11
Test Mode	802.11ac-VHT40	Test Channel	110
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7400.5	34.7	12.3	47.0	74.0	-27.0	Peak	Horizontal
	8233.5	33.0	12.1	45.1	74.0	-28.9	Peak	Horizontal
*	8803.0	32.5	14.1	46.6	68.2	-21.6	Peak	Horizontal
*	10248.0	32.2	16.3	48.5	68.2	-19.7	Peak	Horizontal
	7400.5	35.3	12.3	47.6	74.0	-26.4	Peak	Vertical
	8233.5	33.9	12.1	46.0	74.0	-28.0	Peak	Vertical
*	8701.0	32.3	13.8	46.1	68.2	-22.1	Peak	Vertical
*	9831.5	32.8	15.3	48.1	68.2	-20.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	Kinetic VoIP Modem	Test Engineer	Hyde Yu
Test Site	WZ-AC2	Test Date	2021/05/11
Test Mode	802.11ac-VHT40	Test Channel	118
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7434.5	33.6	12.4	46.0	74.0	-28.0	Peak	Horizontal
	8233.5	34.4	12.1	46.5	74.0	-27.5	Peak	Horizontal
*	8786.0	31.8	14.1	45.9	68.2	-22.3	Peak	Horizontal
*	9772.0	33.0	15.1	48.1	68.2	-20.1	Peak	Horizontal
	7451.5	35.0	12.1	47.1	74.0	-26.9	Peak	Vertical
	8327.0	33.2	12.2	45.4	74.0	-28.6	Peak	Vertical
*	8692.5	32.3	13.8	46.1	68.2	-22.1	Peak	Vertical
*	9874.0	33.1	15.5	48.6	68.2	-19.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	Kinetic VoIP Modem	Test Engineer	Hyde Yu
Test Site	WZ-AC2	Test Date	2021/05/11
Test Mode	802.11ac-VHT40	Test Channel	134
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7485.5	34.9	12.3	47.2	74.0	-26.8	Peak	Horizontal
	8242.0	33.4	12.2	45.6	74.0	-28.4	Peak	Horizontal
*	8633.0	31.9	13.4	45.3	68.2	-22.9	Peak	Horizontal
*	9772.0	32.1	15.1	47.2	68.2	-21.0	Peak	Horizontal
	7562.0	36.2	12.2	48.4	74.0	-25.6	Peak	Vertical
	8267.5	33.7	12.1	45.8	74.0	-28.2	Peak	Vertical
*	8692.5	31.5	13.8	45.3	68.2	-22.9	Peak	Vertical
*	9967.5	33.3	15.6	48.9	68.2	-19.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	Kinetic VoIP Modem	Test Engineer	Hyde Yu
Test Site	WZ-AC2	Test Date	2021/05/11
Test Mode	802.11ac-VHT40	Test Channel	142
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7434.5	31.8	12.4	44.2	74.0	-29.8	Peak	Horizontal
	8276.0	32.8	11.9	44.7	74.0	-29.3	Peak	Horizontal
*	8769.0	31.8	14.2	46.0	68.2	-22.2	Peak	Horizontal
*	9899.5	32.2	15.5	47.7	68.2	-20.5	Peak	Horizontal
	7613.0	34.8	11.9	46.7	74.0	-27.3	Peak	Vertical
	8216.5	32.4	12.1	44.5	74.0	-29.5	Peak	Vertical
*	8811.5	31.2	14.1	45.3	68.2	-22.9	Peak	Vertical
*	10129.0	33.5	15.4	48.9	68.2	-19.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	Kinetic VoIP Modem	Test Engineer	Hyde Yu
Test Site	WZ-AC2	Test Date	2021/05/11
Test Mode	802.11ac-VHT40	Test Channel	151
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7528.0	31.9	12.1	44.0	74.0	-30.0	Peak	Horizontal
	8242.0	32.3	12.2	44.5	74.0	-29.5	Peak	Horizontal
*	8786.0	31.8	14.1	45.9	68.2	-22.3	Peak	Horizontal
*	9942.0	32.1	15.5	47.6	68.2	-20.6	Peak	Horizontal
	11514.5	34.6	18.6	53.2	74.0	-20.8	Peak	Vertical
	11514.5	27.8	18.6	46.4	54.0	-7.6	Average	Vertical
	12237.0	32.8	19.3	52.1	74.0	-21.9	Peak	Vertical
*	13027.5	31.2	21.0	52.2	68.2	-16.0	Peak	Vertical
*	13860.5	31.6	22.2	53.8	68.2	-14.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	Kinetic VoIP Modem	Test Engineer	Hyde Yu
Test Site	WZ-AC2	Test Date	2021/05/11
Test Mode	802.11ac-VHT40	Test Channel	159
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7468.5	32.3	12.1	44.4	74.0	-29.6	Peak	Horizontal
	8199.5	32.4	12.3	44.7	74.0	-29.3	Peak	Horizontal
*	8752.0	31.5	14.1	45.6	68.2	-22.6	Peak	Horizontal
*	9814.5	32.0	15.3	47.3	68.2	-20.9	Peak	Horizontal
	11582.5	35.7	19.1	54.8	74.0	-19.2	Peak	Vertical
	11582.5	28.7	19.1	47.8	54.0	-6.2	Average	Vertical
	12254.0	32.6	19.5	52.1	74.0	-21.9	Peak	Vertical
*	12883.0	31.3	19.8	51.1	68.2	-17.1	Peak	Vertical
*	13852.0	32.7	22.4	55.1	68.2	-13.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	Kinetic VoIP Modem	Test Engineer	Hyde Yu
Test Site	WZ-AC2	Test Date	2021/05/11
Test Mode	802.11ac-VHT80	Test Channel	42
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7451.5	31.6	12.1	43.7	74.0	-30.3	Peak	Horizontal
	8233.5	33.7	12.1	45.8	74.0	-28.2	Peak	Horizontal
*	8743.5	32.8	14.0	46.8	68.2	-21.4	Peak	Horizontal
*	9942.0	33.0	15.5	48.5	68.2	-19.7	Peak	Horizontal
	7485.5	32.9	12.3	45.2	74.0	-28.8	Peak	Vertical
	8199.5	33.0	12.3	45.3	74.0	-28.7	Peak	Vertical
*	8692.5	32.4	13.8	46.2	68.2	-22.0	Peak	Vertical
*	9670.0	33.7	14.9	48.6	68.2	-19.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	Kinetic VoIP Modem	Test Engineer	Hyde Yu
Test Site	WZ-AC2	Test Date	2021/05/11
Test Mode	802.11ac-VHT80	Test Channel	58
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7400.5	33.7	12.3	46.0	74.0	-28.0	Peak	Horizontal
	8242.0	33.0	12.2	45.2	74.0	-28.8	Peak	Horizontal
*	8777.5	31.6	14.2	45.8	68.2	-22.4	Peak	Horizontal
*	9993.0	33.6	15.4	49.0	68.2	-19.2	Peak	Horizontal
	7596.0	33.9	12.1	46.0	74.0	-28.0	Peak	Vertical
	8242.0	33.0	12.2	45.2	74.0	-28.8	Peak	Vertical
*	8735.0	32.5	13.8	46.3	68.2	-21.9	Peak	Vertical
*	9899.5	31.6	15.5	47.1	68.2	-21.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	Kinetic VoIP Modem	Test Engineer	Hyde Yu
Test Site	WZ-AC2	Test Date	2021/05/11
Test Mode	802.11ac-VHT80	Test Channel	106
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7451.5	32.6	12.1	44.7	74.0	-29.3	Peak	Horizontal
	8242.0	32.3	12.2	44.5	74.0	-29.5	Peak	Horizontal
*	8786.0	31.9	14.1	46.0	68.2	-22.2	Peak	Horizontal
*	9993.0	31.9	15.4	47.3	68.2	-20.9	Peak	Horizontal
	7468.5	32.0	12.1	44.1	74.0	-29.9	Peak	Vertical
	8242.0	33.1	12.2	45.3	74.0	-28.7	Peak	Vertical
*	8701.0	32.1	13.8	45.9	68.2	-22.3	Peak	Vertical
*	9772.0	31.3	15.1	46.4	68.2	-21.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	Kinetic VoIP Modem		Test Engineer	Hyde Yu
Test Site	WZ-AC2		Test Date	2021/05/11
Test Mode	802.11ac-VHT80		Test Channel	122
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.			

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7596.0	31.8	12.1	43.9	74.0	-30.1	Peak	Horizontal
	8284.5	32.6	11.8	44.4	74.0	-29.6	Peak	Horizontal
*	8692.5	32.0	13.8	45.8	68.2	-22.4	Peak	Horizontal
*	10010.0	31.4	15.4	46.8	68.2	-21.4	Peak	Horizontal
	7477.0	36.5	12.2	48.7	74.0	-25.3	Peak	Vertical
	8276.0	32.4	11.9	44.3	74.0	-29.7	Peak	Vertical
*	8726.5	32.3	13.8	46.1	68.2	-22.1	Peak	Vertical
*	9814.5	31.4	15.3	46.7	68.2	-21.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	Kinetic VoIP Modem	Test Engineer	Hyde Yu
Test Site	WZ-AC2	Test Date	2021/05/11
Test Mode	802.11ac-VHT80	Test Channel	138
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7502.5	33.2	12.3	45.5	74.0	-28.5	Peak	Horizontal
	8242.0	33.0	12.2	45.2	74.0	-28.8	Peak	Horizontal
*	8735.0	31.2	13.8	45.0	68.2	-23.2	Peak	Horizontal
*	10052.5	32.5	15.4	47.9	68.2	-20.3	Peak	Horizontal
	7511.0	33.5	12.2	45.7	74.0	-28.3	Peak	Vertical
	8310.0	33.2	12.0	45.2	74.0	-28.8	Peak	Vertical
*	8760.5	32.2	14.2	46.4	68.2	-21.8	Peak	Vertical
*	10061.0	31.5	15.4	46.9	68.2	-21.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	Kinetic VoIP Modem	Test Engineer	Hyde Yu
Test Site	WZ-AC2	Test Date	2021/05/11
Test Mode	802.11ac-VHT80	Test Channel	155
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7434.5	32.6	12.4	45.0	74.0	-29.0	Peak	Horizontal
	8225.0	32.9	12.0	44.9	74.0	-29.1	Peak	Horizontal
*	8811.5	32.5	14.1	46.6	68.2	-21.6	Peak	Horizontal
*	10052.5	31.7	15.4	47.1	68.2	-21.1	Peak	Horizontal
	7698.0	34.8	12.0	46.8	74.0	-27.2	Peak	Vertical
	8293.0	33.4	11.8	45.2	74.0	-28.8	Peak	Vertical
*	8692.5	31.5	13.8	45.3	68.2	-22.9	Peak	Vertical
*	9814.5	32.1	15.3	47.4	68.2	-20.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	Kinetic VoIP Modem	Test Engineer	Hyde Yu
Test Site	WZ-AC2	Test Date	2021/05/11
Test Mode	802.11ac-VHT160	Test Channel	50
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7417.5	33.9	12.5	46.4	74.0	-27.6	Peak	Horizontal
	8284.5	33.3	11.8	45.1	74.0	-28.9	Peak	Horizontal
*	8837.0	32.2	14.3	46.5	68.2	-21.7	Peak	Horizontal
*	9959.0	33.5	15.6	49.1	68.2	-19.1	Peak	Horizontal
	7426.0	33.3	12.5	45.8	74.0	-28.2	Peak	Vertical
	8242.0	33.2	12.2	45.4	74.0	-28.6	Peak	Vertical
*	8692.5	32.2	13.8	46.0	68.2	-22.2	Peak	Vertical
*	9959.0	32.3	15.6	47.9	68.2	-20.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	Kinetic VoIP Modem	Test Engineer	Hyde Yu
Test Site	WZ-AC2	Test Date	2021/05/11
Test Mode	802.11ac-VHT160	Test Channel	114
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7502.5	32.6	12.3	44.9	74.0	-29.1	Peak	Horizontal
	8250.5	33.1	12.2	45.3	74.0	-28.7	Peak	Horizontal
*	8777.5	31.9	14.2	46.1	68.2	-22.1	Peak	Horizontal
*	9993.0	33.0	15.4	48.4	68.2	-19.8	Peak	Horizontal
	7426.0	35.2	12.5	47.7	74.0	-26.3	Peak	Vertical
	8182.5	33.2	12.5	45.7	74.0	-28.3	Peak	Vertical
*	8803.0	32.5	14.1	46.6	68.2	-21.6	Peak	Vertical
*	10324.5	32.8	16.5	49.3	68.2	-18.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	Kinetic VoIP Modem	Test Engineer	Hyde Yu
Test Site	WZ-AC2	Test Date	2021/05/11
Test Mode	802.11ax-HE20	Test Channel	36
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7426.0	33.6	12.5	46.1	74.0	-27.9	Peak	Horizontal
	8284.5	33.4	11.8	45.2	74.0	-28.8	Peak	Horizontal
*	8760.5	31.9	14.2	46.1	68.2	-22.1	Peak	Horizontal
*	9806.0	32.1	15.3	47.4	68.2	-20.8	Peak	Horizontal
	7647.0	34.1	12.2	46.3	74.0	-27.7	Peak	Vertical
	8199.5	33.0	12.3	45.3	74.0	-28.7	Peak	Vertical
*	8752.0	33.2	14.1	47.3	68.2	-20.9	Peak	Vertical
*	9950.5	32.8	15.5	48.3	68.2	-19.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	Kinetic VoIP Modem	Test Engineer	Hyde Yu
Test Site	WZ-AC2	Test Date	2021/05/11
Test Mode	802.11ax-HE20	Test Channel	44
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7502.5	32.6	12.3	44.9	74.0	-29.1	Peak	Horizontal
	8242.0	33.0	12.2	45.2	74.0	-28.8	Peak	Horizontal
*	8692.5	31.5	13.8	45.3	68.2	-22.9	Peak	Horizontal
*	9797.5	31.4	15.3	46.7	68.2	-21.5	Peak	Horizontal
	7562.0	31.9	12.2	44.1	74.0	-29.9	Peak	Vertical
	8216.5	32.5	12.1	44.6	74.0	-29.4	Peak	Vertical
*	8760.5	31.3	14.2	45.5	68.2	-22.7	Peak	Vertical
*	9831.5	32.4	15.3	47.7	68.2	-20.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	Kinetic VoIP Modem	Test Engineer	Hyde Yu
Test Site	WZ-AC2	Test Date	2021/05/11
Test Mode	802.11ax-HE20	Test Channel	48
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7434.5	32.5	12.4	44.9	74.0	-29.1	Peak	Horizontal
	8250.5	32.4	12.2	44.6	74.0	-29.4	Peak	Horizontal
*	8794.5	32.9	14.1	47.0	68.2	-21.2	Peak	Horizontal
*	10018.5	33.0	15.3	48.3	68.2	-19.9	Peak	Horizontal
	7494.0	33.1	12.3	45.4	74.0	-28.6	Peak	Vertical
	8242.0	32.9	12.2	45.1	74.0	-28.9	Peak	Vertical
*	8692.5	31.5	13.8	45.3	68.2	-22.9	Peak	Vertical
*	9712.5	33.5	14.9	48.4	68.2	-19.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	Kinetic VoIP Modem		Test Engineer	Hyde Yu
Test Site	WZ-AC2		Test Date	2021/05/11
Test Mode	802.11ax-HE20		Test Channel	52
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.			

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7511.0	31.6	12.2	43.8	74.0	-30.2	Peak	Horizontal
	8174.0	32.0	12.6	44.6	74.0	-29.4	Peak	Horizontal
*	8692.5	32.1	13.8	45.9	68.2	-22.3	Peak	Horizontal
*	9848.5	32.9	15.4	48.3	68.2	-19.9	Peak	Horizontal
	7477.0	32.5	12.2	44.7	74.0	-29.3	Peak	Vertical
	8259.0	33.4	12.2	45.6	74.0	-28.4	Peak	Vertical
*	8769.0	31.7	14.2	45.9	68.2	-22.3	Peak	Vertical
*	9729.5	34.7	14.9	49.6	68.2	-18.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	Kinetic VoIP Modem	Test Engineer	Hyde Yu
Test Site	WZ-AC2	Test Date	2021/05/11
Test Mode	802.11ax-HE20	Test Channel	60
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7511.0	32.0	12.2	44.2	74.0	-29.8	Peak	Horizontal
	8250.5	32.5	12.2	44.7	74.0	-29.3	Peak	Horizontal
*	8803.0	32.0	14.1	46.1	68.2	-22.1	Peak	Horizontal
*	9857.0	32.3	15.4	47.7	68.2	-20.5	Peak	Horizontal
	7477.0	33.1	12.2	45.3	74.0	-28.7	Peak	Vertical
	8165.5	31.8	12.6	44.4	74.0	-29.6	Peak	Vertical
*	8769.0	31.4	14.2	45.6	68.2	-22.6	Peak	Vertical
*	10018.5	32.8	15.3	48.1	68.2	-20.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	Kinetic VoIP Modem	Test Engineer	Hyde Yu
Test Site	WZ-AC2	Test Date	2021/05/11
Test Mode	802.11ax-HE20	Test Channel	64
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7468.5	32.5	12.1	44.6	74.0	-29.4	Peak	Horizontal
	8216.5	31.4	12.1	43.5	74.0	-30.5	Peak	Horizontal
*	8726.5	30.6	13.8	44.4	68.2	-23.8	Peak	Horizontal
*	9993.0	31.3	15.4	46.7	68.2	-21.5	Peak	Horizontal
	7502.5	35.0	12.3	47.3	74.0	-26.7	Peak	Vertical
	8310.0	32.3	12.0	44.3	74.0	-29.7	Peak	Vertical
*	8752.0	32.8	14.1	46.9	68.2	-21.3	Peak	Vertical
*	9984.5	33.2	15.5	48.7	68.2	-19.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	Kinetic VoIP Modem	Test Engineer	Hyde Yu
Test Site	WZ-AC2	Test Date	2021/05/11
Test Mode	802.11ax-HE20	Test Channel	100
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7511.0	33.4	12.2	45.6	74.0	-28.4	Peak	Horizontal
	8174.0	34.0	12.6	46.6	74.0	-27.4	Peak	Horizontal
*	8803.0	33.8	14.1	47.9	68.2	-20.3	Peak	Horizontal
*	10001.5	33.2	15.4	48.6	68.2	-19.6	Peak	Horizontal
	7528.0	32.1	12.1	44.2	74.0	-29.8	Peak	Vertical
	8242.0	32.8	12.2	45.0	74.0	-29.0	Peak	Vertical
*	8769.0	30.9	14.2	45.1	68.2	-23.1	Peak	Vertical
*	10035.5	32.3	15.4	47.7	68.2	-20.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	Kinetic VoIP Modem	Test Engineer	Hyde Yu
Test Site	WZ-AC2	Test Date	2021/05/11
Test Mode	802.11ax-HE20	Test Channel	116
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7502.5	33.2	12.3	45.5	74.0	-28.5	Peak	Horizontal
	8250.5	32.4	12.2	44.6	74.0	-29.4	Peak	Horizontal
*	8760.5	32.8	14.2	47.0	68.2	-21.2	Peak	Horizontal
*	10001.5	33.4	15.4	48.8	68.2	-19.4	Peak	Horizontal
	7443.0	33.6	12.2	45.8	74.0	-28.2	Peak	Vertical
	8199.5	32.3	12.3	44.6	74.0	-29.4	Peak	Vertical
*	8743.5	31.2	14.0	45.2	68.2	-23.0	Peak	Vertical
*	10095.0	32.9	15.4	48.3	68.2	-19.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	Kinetic VoIP Modem		Test Engineer	Hyde Yu
Test Site	WZ-AC2		Test Date	2021/05/11
Test Mode	802.11ax-HE20		Test Channel	120
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.			

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7494.0	32.1	12.3	44.4	74.0	-29.6	Peak	Horizontal
	8310.0	32.2	12.0	44.2	74.0	-29.8	Peak	Horizontal
*	8769.0	32.8	14.2	47.0	68.2	-21.2	Peak	Horizontal
*	9933.5	33.0	15.4	48.4	68.2	-19.8	Peak	Horizontal
	7468.5	33.7	12.1	45.8	74.0	-28.2	Peak	Vertical
	8199.5	32.2	12.3	44.5	74.0	-29.5	Peak	Vertical
*	8735.0	31.5	13.8	45.3	68.2	-22.9	Peak	Vertical
*	9721.0	33.2	14.9	48.1	68.2	-20.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	Kinetic VoIP Modem		Test Engineer	Hyde Yu
Test Site	WZ-AC2		Test Date	2021/05/11
Test Mode	802.11ax-HE20		Test Channel	140
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.			

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7400.5	31.8	12.3	44.1	74.0	-29.9	Peak	Horizontal
	8276.0	32.9	11.9	44.8	74.0	-29.2	Peak	Horizontal
*	8769.0	31.8	14.2	46.0	68.2	-22.2	Peak	Horizontal
*	10035.5	33.0	15.4	48.4	68.2	-19.8	Peak	Horizontal
	7434.5	33.2	12.4	45.6	74.0	-28.4	Peak	Vertical
	8208.0	33.2	12.1	45.3	74.0	-28.7	Peak	Vertical
*	8769.0	31.4	14.2	45.6	68.2	-22.6	Peak	Vertical
*	9823.0	30.8	15.3	46.1	68.2	-22.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	Kinetic VoIP Modem	Test Engineer	Hyde Yu
Test Site	WZ-AC2	Test Date	2021/05/11
Test Mode	802.11ax-HE20	Test Channel	144
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7426.0	32.7	12.5	45.2	74.0	-28.8	Peak	Horizontal
	8182.5	33.7	12.5	46.2	74.0	-27.8	Peak	Horizontal
*	8735.0	32.0	13.8	45.8	68.2	-22.4	Peak	Horizontal
*	9721.0	32.4	14.9	47.3	68.2	-20.9	Peak	Horizontal
	7630.0	35.4	12.0	47.4	74.0	-26.6	Peak	Vertical
	8318.5	33.4	12.1	45.5	74.0	-28.5	Peak	Vertical
*	8692.5	32.2	13.8	46.0	68.2	-22.2	Peak	Vertical
*	9831.5	33.4	15.3	48.7	68.2	-19.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.
Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)
Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	Kinetic VoIP Modem	Test Engineer	Hyde Yu
Test Site	WZ-AC2	Test Date	2021/05/11
Test Mode	802.11ax-HE20	Test Channel	149
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7460.0	33.7	12.0	45.7	74.0	-28.3	Peak	Horizontal
	8276.0	32.2	11.9	44.1	74.0	-29.9	Peak	Horizontal
*	8777.5	31.6	14.2	45.8	68.2	-22.4	Peak	Horizontal
*	10324.5	33.1	16.5	49.6	68.2	-18.6	Peak	Horizontal
	11489.0	34.8	18.7	53.5	74.0	-20.5	Peak	Vertical
	11489.0	29.1	18.7	47.8	54.0	-6.2	Average	Vertical
	12177.5	32.3	19.4	51.7	74.0	-22.3	Peak	Vertical
*	13019.0	31.6	20.8	52.4	68.2	-15.8	Peak	Vertical
*	13673.5	31.9	20.8	52.7	68.2	-15.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	Kinetic VoIP Modem	Test Engineer	Hyde Yu
Test Site	WZ-AC2	Test Date	2021/05/11
Test Mode	802.11ax-HE20	Test Channel	157
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	11574.0	34.3	19.1	53.4	74.0	-20.6	Peak	Horizontal
	11574.0	29.0	19.1	48.1	54.0	-5.9	Average	Horizontal
	12084.0	32.7	19.0	51.7	74.0	-22.3	Peak	Horizontal
*	13129.5	30.6	21.3	51.9	68.2	-16.3	Peak	Horizontal
*	14226.0	31.8	22.3	54.1	68.2	-14.1	Peak	Horizontal
	11574.0	35.7	19.1	54.8	74.0	-19.2	Peak	Vertical
	11574.0	30.6	19.1	49.7	54.0	-4.3	Average	Vertical
	12262.5	32.4	19.4	51.8	74.0	-22.2	Peak	Vertical
*	12976.5	30.6	20.1	50.7	68.2	-17.5	Peak	Vertical
*	13911.5	31.6	21.9	53.5	68.2	-14.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	Kinetic VoIP Modem	Test Engineer	Hyde Yu
Test Site	WZ-AC2	Test Date	2021/05/11
Test Mode	802.11ax-HE20	Test Channel	165
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	11089.5	33.2	17.9	51.1	74.0	-22.9	Peak	Horizontal
	11650.5	33.7	19.6	53.3	74.0	-20.7	Peak	Horizontal
	11650.5	25.5	19.6	45.1	54.0	-8.9	Average	Horizontal
*	13010.5	30.4	20.4	50.8	68.2	-17.4	Peak	Horizontal
*	14107.0	31.2	21.4	52.6	68.2	-15.6	Peak	Horizontal
	11650.5	38.2	19.6	57.8	74.0	-16.2	Peak	Vertical
	11650.5	30.9	19.6	50.5	54.0	-3.5	Average	Vertical
	12211.5	31.8	19.3	51.1	74.0	-22.9	Peak	Vertical
*	12951.0	30.2	20.1	50.3	68.2	-17.9	Peak	Vertical
*	13733.0	32.7	21.1	53.8	68.2	-14.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	Kinetic VoIP Modem	Test Engineer	Hyde Yu
Test Site	WZ-AC2	Test Date	2021/05/11
Test Mode	802.11ax-HE40	Test Channel	38
Remark	1. Average measurement was not performed if peak level lower than average limit.		
	2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7570.5	33.7	12.3	46.0	74.0	-28.0	Peak	Horizontal
	8250.5	33.3	12.2	45.5	74.0	-28.5	Peak	Horizontal
*	8658.5	32.1	13.6	45.7	68.2	-22.5	Peak	Horizontal
*	9942.0	33.0	15.5	48.5	68.2	-19.7	Peak	Horizontal
	7511.0	32.7	12.2	44.9	74.0	-29.1	Peak	Vertical
	8378.0	32.9	12.2	45.1	74.0	-28.9	Peak	Vertical
*	8769.0	31.4	14.2	45.6	68.2	-22.6	Peak	Vertical
*	9857.0	32.4	15.4	47.8	68.2	-20.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	Kinetic VoIP Modem	Test Engineer	Hyde Yu
Test Site	WZ-AC2	Test Date	2021/05/11
Test Mode	802.11ax-HE40	Test Channel	46
Remark	1. Average measurement was not performed if peak level lower than average limit.		
	2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7536.5	33.5	12.1	45.6	74.0	-28.4	Peak	Horizontal
	8199.5	32.0	12.3	44.3	74.0	-29.7	Peak	Horizontal
*	8760.5	31.2	14.2	45.4	68.2	-22.8	Peak	Horizontal
*	10001.5	32.6	15.4	48.0	68.2	-20.2	Peak	Horizontal
	7528.0	32.0	12.1	44.1	74.0	-29.9	Peak	Vertical
	8310.0	33.3	12.0	45.3	74.0	-28.7	Peak	Vertical
*	8743.5	31.5	14.0	45.5	68.2	-22.7	Peak	Vertical
*	9967.5	31.6	15.6	47.2	68.2	-21.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	Kinetic VoIP Modem	Test Engineer	Hyde Yu
Test Site	WZ-AC2	Test Date	2021/05/11
Test Mode	802.11ax-HE40	Test Channel	54
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7468.5	33.1	12.1	45.2	74.0	-28.8	Peak	Horizontal
	8199.5	31.8	12.3	44.1	74.0	-29.9	Peak	Horizontal
*	8658.5	34.7	13.6	48.3	68.2	-19.9	Peak	Horizontal
*	9602.0	35.3	14.9	50.2	68.2	-18.0	Peak	Horizontal
	7553.5	31.9	12.1	44.0	74.0	-30.0	Peak	Vertical
	8344.0	33.0	12.2	45.2	74.0	-28.8	Peak	Vertical
*	8777.5	32.3	14.2	46.5	68.2	-21.7	Peak	Vertical
*	9993.0	33.5	15.4	48.9	68.2	-19.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	Kinetic VoIP Modem	Test Engineer	Hyde Yu
Test Site	WZ-AC2	Test Date	2021/05/11
Test Mode	802.11ax-HE40	Test Channel	62
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7400.5	32.3	12.3	44.6	74.0	-29.4	Peak	Horizontal
	8276.0	33.3	11.9	45.2	74.0	-28.8	Peak	Horizontal
*	8794.5	32.4	14.1	46.5	68.2	-21.7	Peak	Horizontal
*	9857.0	32.8	15.4	48.2	68.2	-20.0	Peak	Horizontal
	7468.5	32.4	12.1	44.5	74.0	-29.5	Peak	Vertical
	8208.0	33.2	12.1	45.3	74.0	-28.7	Peak	Vertical
*	8786.0	32.4	14.1	46.5	68.2	-21.7	Peak	Vertical
*	10061.0	33.5	15.4	48.9	68.2	-19.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	Kinetic VoIP Modem	Test Engineer	Hyde Yu
Test Site	WZ-AC2	Test Date	2021/05/11
Test Mode	802.11ax-HE40	Test Channel	102
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7511.0	33.2	12.2	45.4	74.0	-28.6	Peak	Horizontal
	8284.5	32.1	11.8	43.9	74.0	-30.1	Peak	Horizontal
*	8769.0	31.4	14.2	45.6	68.2	-22.6	Peak	Horizontal
*	9721.0	32.6	14.9	47.5	68.2	-20.7	Peak	Horizontal
	7349.5	34.6	12.3	46.9	74.0	-27.1	Peak	Vertical
	8352.5	32.4	12.1	44.5	74.0	-29.5	Peak	Vertical
*	8837.0	31.9	14.3	46.2	68.2	-22.0	Peak	Vertical
*	9950.5	32.6	15.5	48.1	68.2	-20.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	Kinetic VoIP Modem	Test Engineer	Hyde Yu
Test Site	WZ-AC2	Test Date	2021/05/11
Test Mode	802.11ax-HE40	Test Channel	110
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7400.5	33.0	12.3	45.3	74.0	-28.7	Peak	Horizontal
	8276.0	32.0	11.9	43.9	74.0	-30.1	Peak	Horizontal
*	8735.0	31.8	13.8	45.6	68.2	-22.6	Peak	Horizontal
*	9840.0	32.1	15.3	47.4	68.2	-20.8	Peak	Horizontal
	7400.5	35.2	12.3	47.5	74.0	-26.5	Peak	Vertical
	8259.0	33.0	12.2	45.2	74.0	-28.8	Peak	Vertical
*	8735.0	32.1	13.8	45.9	68.2	-22.3	Peak	Vertical
*	9746.5	33.6	15.0	48.6	68.2	-19.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	Kinetic VoIP Modem	Test Engineer	Hyde Yu
Test Site	WZ-AC2	Test Date	2021/05/11
Test Mode	802.11ax-HE40	Test Channel	118
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7545.0	32.9	12.1	45.0	74.0	-29.0	Peak	Horizontal
	8250.5	33.5	12.2	45.7	74.0	-28.3	Peak	Horizontal
*	8752.0	31.3	14.1	45.4	68.2	-22.8	Peak	Horizontal
*	10103.5	33.8	15.3	49.1	68.2	-19.1	Peak	Horizontal
	7451.5	34.5	12.1	46.6	74.0	-27.4	Peak	Vertical
	8242.0	32.6	12.2	44.8	74.0	-29.2	Peak	Vertical
*	8675.5	32.3	13.7	46.0	68.2	-22.2	Peak	Vertical
*	10095.0	33.9	15.4	49.3	68.2	-18.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	Kinetic VoIP Modem	Test Engineer	Hyde Yu
Test Site	WZ-AC2	Test Date	2021/05/11
Test Mode	802.11ax-HE40	Test Channel	134
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7528.0	31.8	12.1	43.9	74.0	-30.1	Peak	Horizontal
	8403.5	32.2	12.5	44.7	74.0	-29.3	Peak	Horizontal
*	8726.5	31.3	13.8	45.1	68.2	-23.1	Peak	Horizontal
*	9908.0	32.9	15.4	48.3	68.2	-19.9	Peak	Horizontal
	7562.0	36.6	12.2	48.8	74.0	-25.2	Peak	Vertical
	8276.0	31.9	11.9	43.8	74.0	-30.2	Peak	Vertical
*	8769.0	32.2	14.2	46.4	68.2	-21.8	Peak	Vertical
*	10120.5	32.6	15.3	47.9	68.2	-20.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	Kinetic VoIP Modem	Test Engineer	Hyde Yu
Test Site	WZ-AC2	Test Date	2021/05/11
Test Mode	802.11ax-HE40	Test Channel	142
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7468.5	32.4	12.1	44.5	74.0	-29.5	Peak	Horizontal
	8301.5	33.4	11.9	45.3	74.0	-28.7	Peak	Horizontal
*	8811.5	31.6	14.1	45.7	68.2	-22.5	Peak	Horizontal
*	9950.5	32.1	15.5	47.6	68.2	-20.6	Peak	Horizontal
	7613.0	35.1	11.9	47.0	74.0	-27.0	Peak	Vertical
	8420.5	33.7	12.5	46.2	74.0	-27.8	Peak	Vertical
*	8803.0	32.2	14.1	46.3	68.2	-21.9	Peak	Vertical
*	10409.5	33.8	16.8	50.6	68.2	-17.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	Kinetic VoIP Modem		Test Engineer	Hyde Yu
Test Site	WZ-AC2		Test Date	2021/05/11
Test Mode	802.11ax-HE40		Test Channel	151
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.			

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7630.0	34.1	12.0	46.1	74.0	-27.9	Peak	Horizontal
	8310.0	32.8	12.0	44.8	74.0	-29.2	Peak	Horizontal
*	8820.0	31.1	14.1	45.2	68.2	-23.0	Peak	Horizontal
*	9899.5	32.9	15.5	48.4	68.2	-19.8	Peak	Horizontal
	11523.0	35.0	18.5	53.5	74.0	-20.5	Peak	Vertical
	11523.0	27.5	18.5	46.0	54.0	-8.0	Average	Vertical
	12067.0	31.7	18.9	50.6	74.0	-23.4	Peak	Vertical
*	12840.5	30.8	19.1	49.9	68.2	-18.3	Peak	Vertical
*	13792.5	31.8	21.7	53.5	68.2	-14.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	Kinetic VoIP Modem	Test Engineer	Hyde Yu
Test Site	WZ-AC2	Test Date	2021/05/11
Test Mode	802.11ax-HE40	Test Channel	159
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7494.0	33.5	12.3	45.8	74.0	-28.2	Peak	Horizontal
	8293.0	32.5	11.8	44.3	74.0	-29.7	Peak	Horizontal
*	8803.0	31.2	14.1	45.3	68.2	-22.9	Peak	Horizontal
*	10146.0	32.3	15.4	47.7	68.2	-20.5	Peak	Horizontal
	11089.5	32.2	17.9	50.1	74.0	-23.9	Peak	Vertical
	11582.5	35.4	19.1	54.5	74.0	-19.5	Peak	Vertical
	11582.5	29.5	19.1	48.6	54.0	-5.4	Average	Vertical
*	12917.0	30.5	19.5	50.0	68.2	-18.2	Peak	Vertical
*	13911.5	30.8	21.9	52.7	68.2	-15.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	Kinetic VoIP Modem	Test Engineer	Hyde Yu
Test Site	WZ-AC2	Test Date	2021/05/11
Test Mode	802.11ax-HE80	Test Channel	42
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7536.5	33.8	12.1	45.9	74.0	-28.1	Peak	Horizontal
	8242.0	32.3	12.2	44.5	74.0	-29.5	Peak	Horizontal
*	8658.5	32.1	13.6	45.7	68.2	-22.5	Peak	Horizontal
*	9729.5	33.7	14.9	48.6	68.2	-19.6	Peak	Horizontal
	7502.5	32.3	12.3	44.6	74.0	-29.4	Peak	Vertical
	8165.5	32.5	12.6	45.1	74.0	-28.9	Peak	Vertical
*	8777.5	30.7	14.2	44.9	68.2	-23.3	Peak	Vertical
*	10120.5	33.0	15.3	48.3	68.2	-19.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	Kinetic VoIP Modem	Test Engineer	Hyde Yu
Test Site	WZ-AC2	Test Date	2021/05/11
Test Mode	802.11ax-HE80	Test Channel	58
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

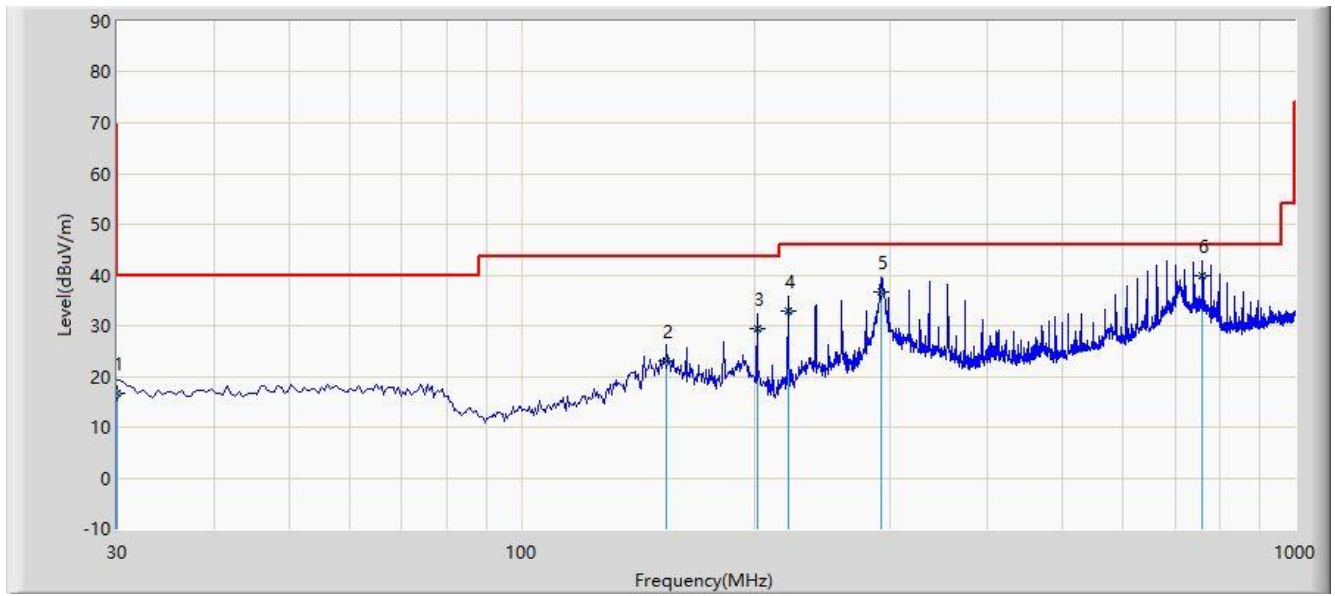| Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7468.5	33.6	12.1	45.7	74.0	-28.3	Peak	Horizontal
	8284.5	32.7	11.8	44.5	74.0	-29.5	Peak	Horizontal
*	8777.5	31.4	14.2	45.6	68.2	-22.6	Peak	Horizontal
*	9925.0	32.6	15.4	48.0	68.2	-20.2	Peak	Horizontal
	7400.5	33.3	12.3	45.6	74.0	-28.4	Peak	Vertical
	8284.5	33.9	11.8	45.7	74.0	-28.3	Peak	Vertical
*	8777.5	32.3	14.2	46.5	68.2	-21.7	Peak	Vertical
*	10018.5	33.6	15.3	48.9	68.2	-19.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	Kinetic VoIP Modem	Test Engineer	Hyde Yu
Test Site	WZ-AC2	Test Date	2021/05/11
Test Mode	802.11ax-HE80	Test Channel	106
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7536.5	31.8	12.1	43.9	74.0	-30.1	Peak	Horizontal
	8361.0	31.3	12.0	43.3	74.0	-30.7	Peak	Horizontal
*	8735.0	32.8	13.8	46.6	68.2	-21.6	Peak	Horizontal
*	9865.5	33.3	15.5	48.8	68.2	-19.4	Peak	Horizontal
	7468.5	32.0	12.1	44.1	74.0	-29.9	Peak	Vertical
	8165.5	31.3	12.6	43.9	74.0	-30.1	Peak	Vertical
*	8692.5	31.1	13.8	44.9	68.2	-23.3	Peak	Vertical
*	9899.5	33.0	15.5	48.5	68.2	-19.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.
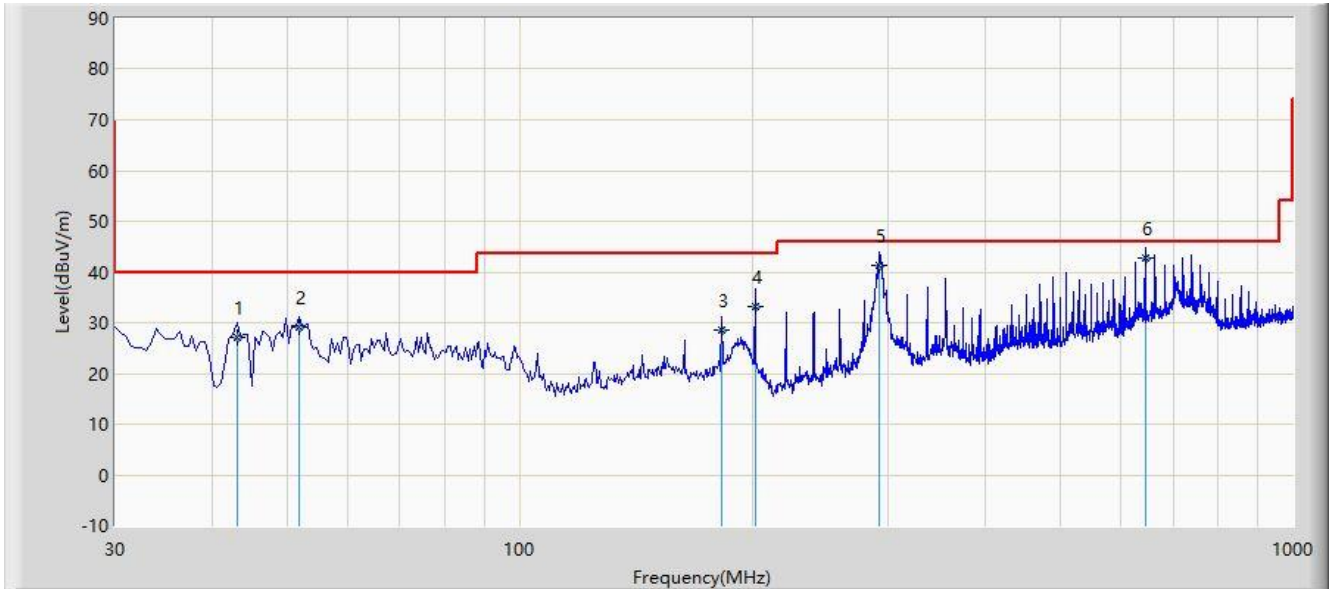
Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

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

Product	Kinetic VoIP Modem	Test Engineer	Hyde Yu
Test Site	WZ-AC2	Test Date	2021/05/11
Test Mode	802.11ax-HE80	Test Channel	122
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7477.0	33.9	12.2	46.1	74.0	-27.9	Peak	Horizontal
	8233.5	33.3	12.1	45.4	74.0	-28.6	Peak	Horizontal
*	8803.0	32.7	14.1	46.8	68.2	-21.4	Peak	Horizontal
*	9865.5	32.6	15.5	48.1	68.2	-20.1	Peak	Horizontal
	7477.0	36.0	12.2	48.2	74.0	-25.8	Peak	Vertical
	8259.0	32.7	12.2	44.9	74.0	-29.1	Peak	Vertical
*	8735.0	32.5	13.8	46.3	68.2	-21.9	Peak	Vertical
*	9950.5	33.4	15.5	48.9	68.2	-19.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	Kinetic VoIP Modem	Test Engineer	Hyde Yu
Test Site	WZ-AC2	Test Date	2021/05/11
Test Mode	802.11ax-HE80	Test Channel	138
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7511.0	32.7	12.2	44.9	74.0	-29.1	Peak	Horizontal
	8284.5	32.1	11.8	43.9	74.0	-30.1	Peak	Horizontal
*	8743.5	31.4	14.0	45.4	68.2	-22.8	Peak	Horizontal
*	10001.5	34.5	15.4	49.9	68.2	-18.3	Peak	Horizontal
	7587.5	35.0	12.2	47.2	74.0	-26.8	Peak	Vertical
	8174.0	33.3	12.6	45.9	74.0	-28.1	Peak	Vertical
*	8760.5	33.3	14.2	47.5	68.2	-20.7	Peak	Vertical
*	9993.0	34.0	15.4	49.4	68.2	-18.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	Kinetic VoIP Modem		Test Engineer	Hyde Yu
Test Site	WZ-AC2		Test Date	2021/05/11
Test Mode	802.11ax-HE80		Test Channel	155
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.			

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7536.5	32.2	12.1	44.3	74.0	-29.7	Peak	Horizontal
	8344.0	32.9	12.2	45.1	74.0	-28.9	Peak	Horizontal
*	8777.5	32.1	14.2	46.3	68.2	-21.9	Peak	Horizontal
*	10001.5	35.0	15.4	50.4	68.2	-17.8	Peak	Horizontal
	7630.0	34.0	12.0	46.0	74.0	-28.0	Peak	Vertical
	8165.5	33.7	12.6	46.3	74.0	-27.7	Peak	Vertical
*	8811.5	31.8	14.1	45.9	68.2	-22.3	Peak	Vertical
*	9916.5	33.2	15.4	48.6	68.2	-19.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	Kinetic VoIP Modem		Test Engineer	Hyde Yu
Test Site	WZ-AC2		Test Date	2021/05/11
Test Mode	802.11ax-HE160		Test Channel	50
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.			

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7477.0	31.7	12.2	43.9	74.0	-30.1	Peak	Horizontal
	8242.0	31.9	12.2	44.1	74.0	-29.9	Peak	Horizontal
*	8692.5	31.3	13.8	45.1	68.2	-23.1	Peak	Horizontal
*	9857.0	32.3	15.4	47.7	68.2	-20.5	Peak	Horizontal
	7587.5	31.7	12.2	43.9	74.0	-30.1	Peak	Vertical
	8259.0	33.2	12.2	45.4	74.0	-28.6	Peak	Vertical
*	8862.5	31.5	14.2	45.7	68.2	-22.5	Peak	Vertical
*	9780.5	32.6	15.2	47.8	68.2	-20.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	Kinetic VoIP Modem	Test Engineer	Hyde Yu
Test Site	WZ-AC2	Test Date	2021/05/11
Test Mode	802.11ax-HE160	Test Channel	114
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7536.5	33.9	12.1	46.0	74.0	-28.0	Peak	Horizontal
	8259.0	32.6	12.2	44.8	74.0	-29.2	Peak	Horizontal
*	8735.0	32.4	13.8	46.2	68.2	-22.0	Peak	Horizontal
*	9772.0	33.1	15.1	48.2	68.2	-20.0	Peak	Horizontal
	7511.0	32.6	12.2	44.8	74.0	-29.2	Peak	Vertical
	8233.5	34.3	12.1	46.4	74.0	-27.6	Peak	Vertical
*	8811.5	33.2	14.1	47.3	68.2	-20.9	Peak	Vertical
*	9823.0	32.3	15.3	47.6	68.2	-20.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + 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 - 21:03
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 802.11a at Channel 5825MHz	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			30.000	16.759	0.130	-23.241	40.000	16.629	QP
2			154.160	23.164	5.100	-20.336	43.500	18.064	QP
3			201.690	29.524	14.900	-13.976	43.500	14.624	QP
4			221.090	32.831	18.300	-13.169	46.000	14.531	QP
5			291.415	36.720	18.600	-9.280	46.000	18.119	QP
6		*	759.925	39.768	11.600	-6.232	46.000	28.168	QP

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + 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 40GHz) 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 - 21:05
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 802.11a at Channel 5825MHz	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			43.095	26.967	9.320	-13.033	40.000	17.647	QP
2			51.825	29.174	11.200	-10.826	40.000	17.975	QP
3			182.290	28.475	12.300	-15.025	43.500	16.175	QP
4			201.690	33.124	18.500	-10.376	43.500	14.624	QP
5			292.385	41.334	23.200	-4.666	46.000	18.134	QP
6		*	644.495	42.848	16.600	-3.152	46.000	26.248	QP

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + 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 40GHz) 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.

5.8. Radiated Restricted Band Edge Measurement

5.8.1.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	--	--	--

For 15.407(b) Requirement:

For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz

band shall not exceed an e.i.r.p. of -27 dBm/MHz.

For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz

band shall not exceed an e.i.r.p. of -27dBm/MHz.

For transmitters operating in the 5.725-5.85 GHz band: All emissions shall be limited to a level of -

27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz

at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge

increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5

MHz above or below the band edge increasing linearly to a level of -27 dBm/MHz at the band edge.

Refer to KDB 789033 D02v02r01 G)2)c), as specified in § 15.407(b), emissions above 1000 MHz.

Sections 15.407(b)(1-3) specifies the unwanted emissions limit for the U-NII-1 and U-NII-2

bands. As specified, emissions above 1000 MHz that are outside of the restricted bands are

subject to a peak emission limit of -27 dBm/MHz.

1) Section 15.407(b)(4) specifies the unwanted emissions limit for the U-NII-3 band. A band

emissions mask is specified in Section 15.407(b)(4)(i). The emission limits are based on the use of

a peak detector.

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title

47CFR must not exceed the limits shown in Table per Section 15.209.

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

5.8.2.Test Procedure

KDB 789033 D02v02r01- Section G

5.8.3.Test Setting

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 ≥ 98%, set VBW = 10Hz

4. If the EUT duty cycle is < 98%, set VBW ≥ 1/T. T is the minimum transmission duration

5. Detector = Peak

6. Sweep time = Auto

7. Trace mode = Max hold

8. Trace was allowed to stabilize

5.8.4. Test Setup
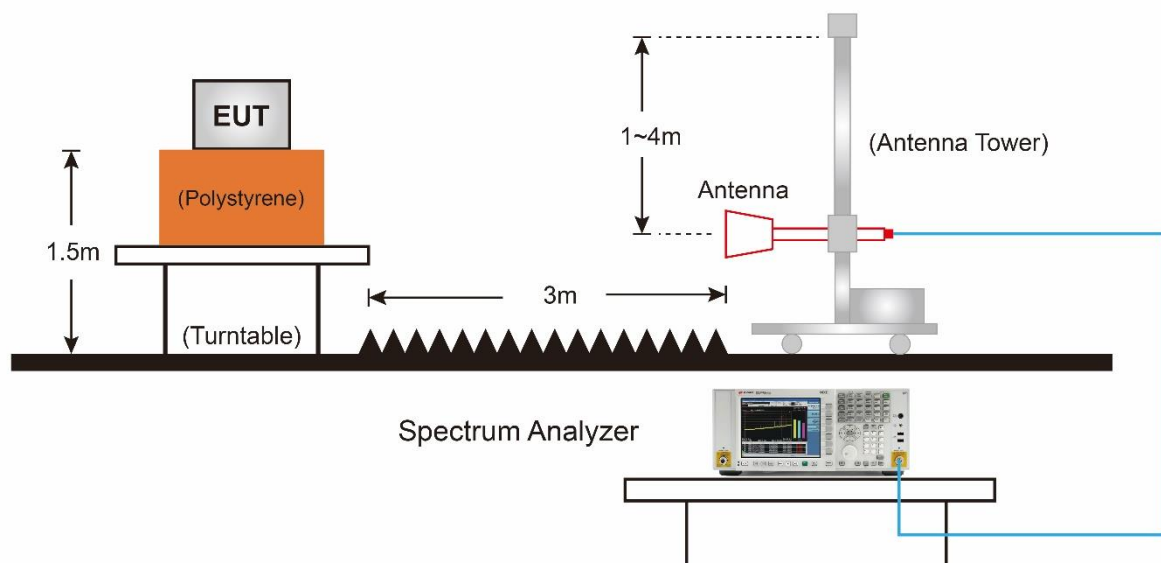
5.8.5.Test Result

| Site: WZ-AC1	Time: 2021/05/04 - 14:00
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 802.11a at Channel 5180MHz	
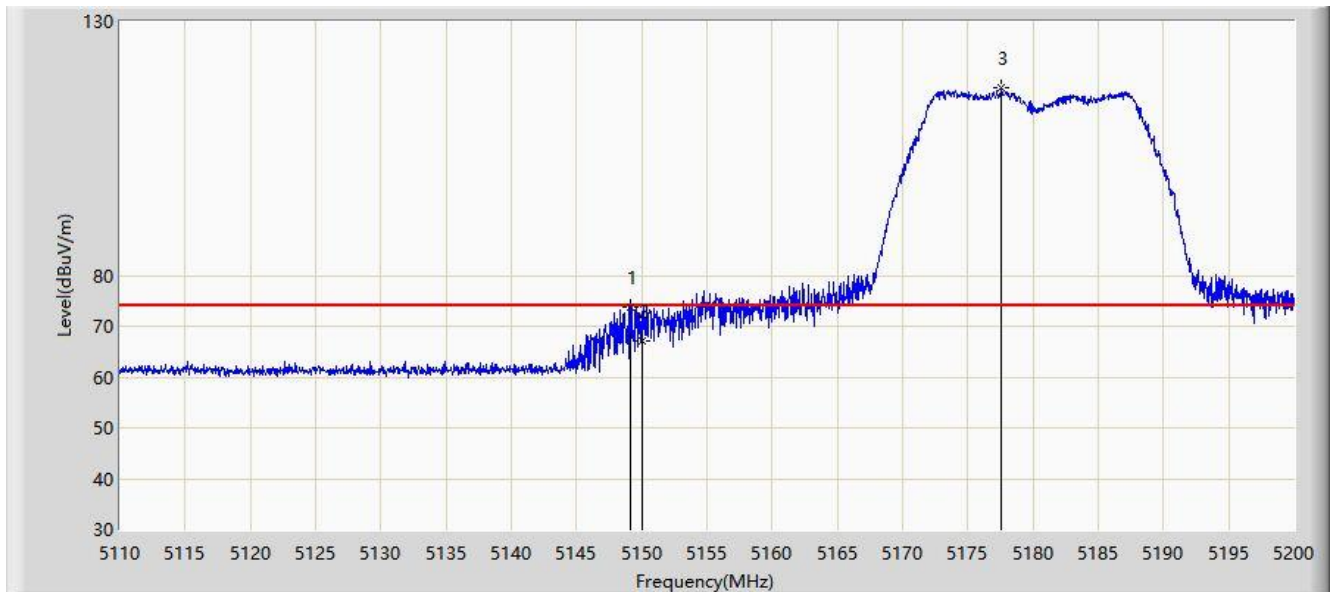
No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB)	Type
1			5149.105	73.824	69.574	-0.176	74.000	4.250	PK
2			5150.000	67.014	62.752	-6.986	74.000	4.263	PK
3		*	5177.545	116.856	112.658	N/A	N/A	4.198	PK

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

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

Site: WZ-AC1	Time: 2021/05/04 - 14:17
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 802.11a at Channel 5180MHz	
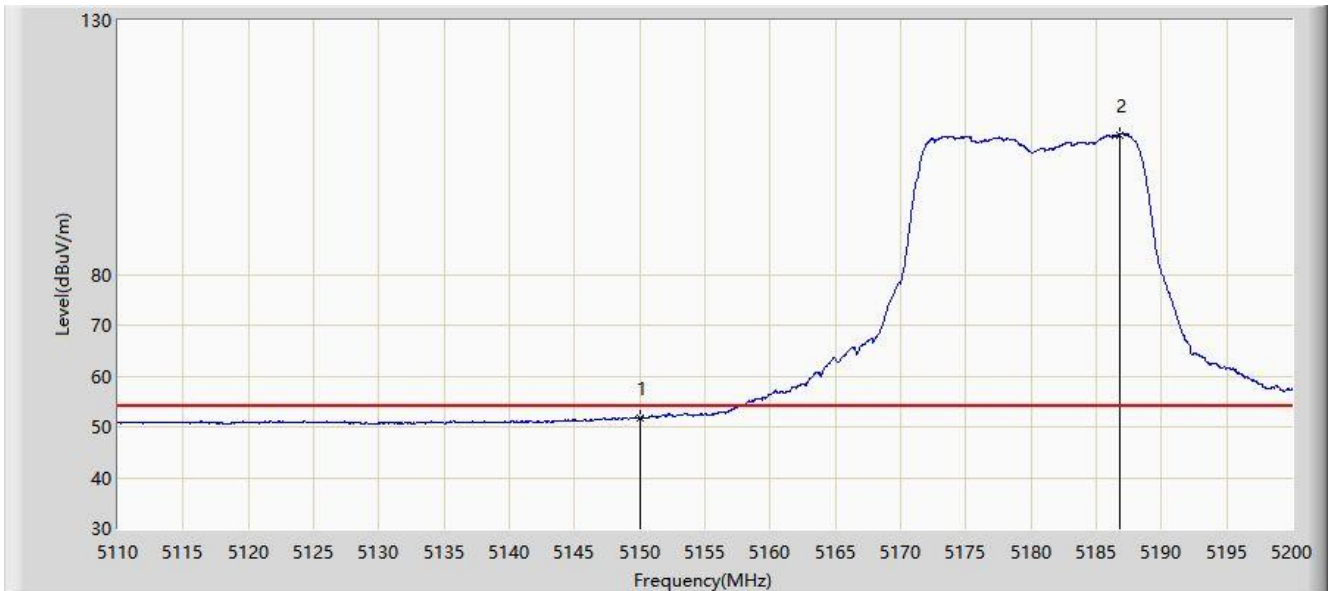
No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB)	Type
1			5150.000	51.767	47.505	-2.233	54.000	4.263	AV
2		*	5186.815	107.524	103.315	N/A	N/A	4.209	AV

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

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

| Site: WZ-AC1	Time: 2021/05/04 - 14:03
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 802.11a at Channel 5180MHz	
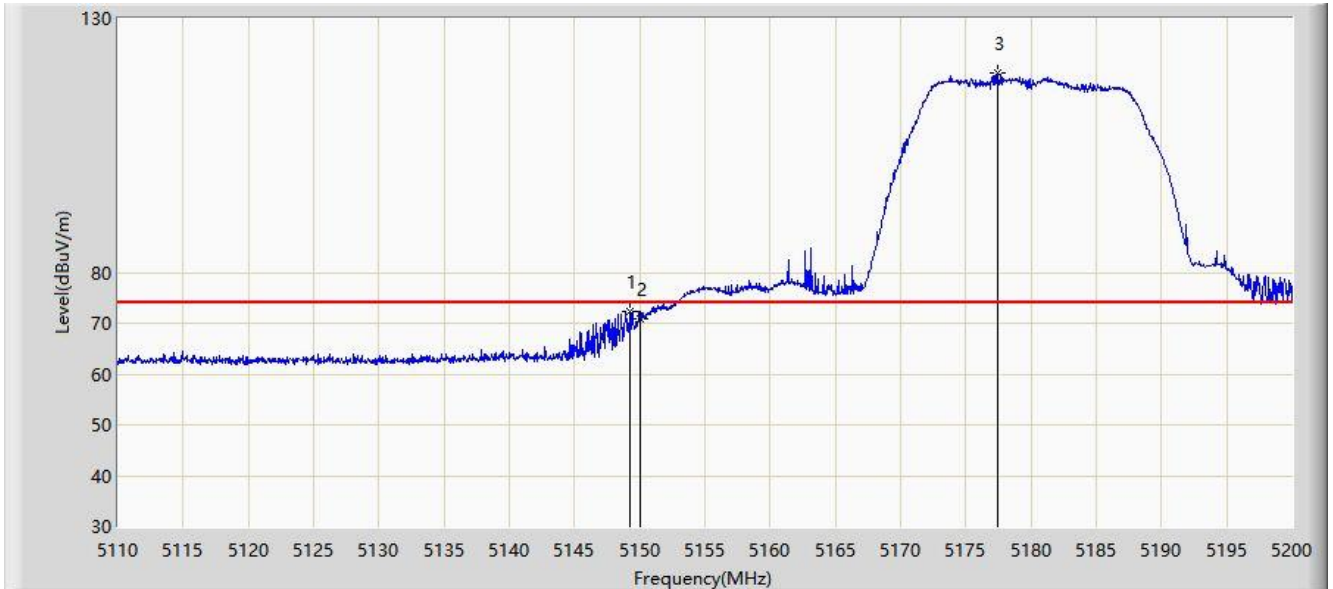
No	Flag	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB)	Type
1			5149.285	72.449	68.197	-1.551	74.000	4.252	PK
2			5150.000	70.814	66.552	-3.186	74.000	4.263	PK
3		*	5177.410	119.247	115.049	N/A	N/A	4.198	PK

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

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

| Site: WZ-AC1	Time: 2021/05/04 - 14:15
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 802.11a at Channel 5180MHz	
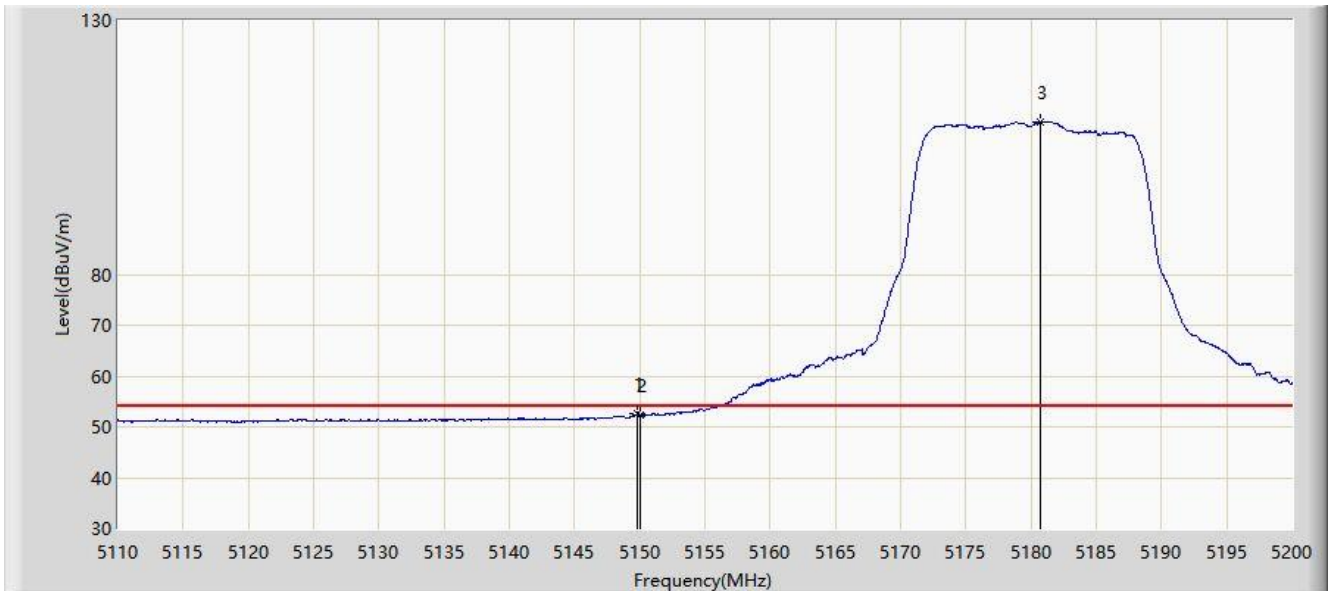
No	Flag	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB)	Type
1			5149.825	52.487	48.227	-1.513	54.000	4.260	AV
2			5150.000	52.398	48.136	-1.602	54.000	4.263	AV
3	X	*	5180.740	109.985	105.774	N/A	N/A	4.210	AV

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

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

| Site: WZ-AC1	Time: 2021/05/04 - 14:48
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 802.11a at Channel 5320MHz	
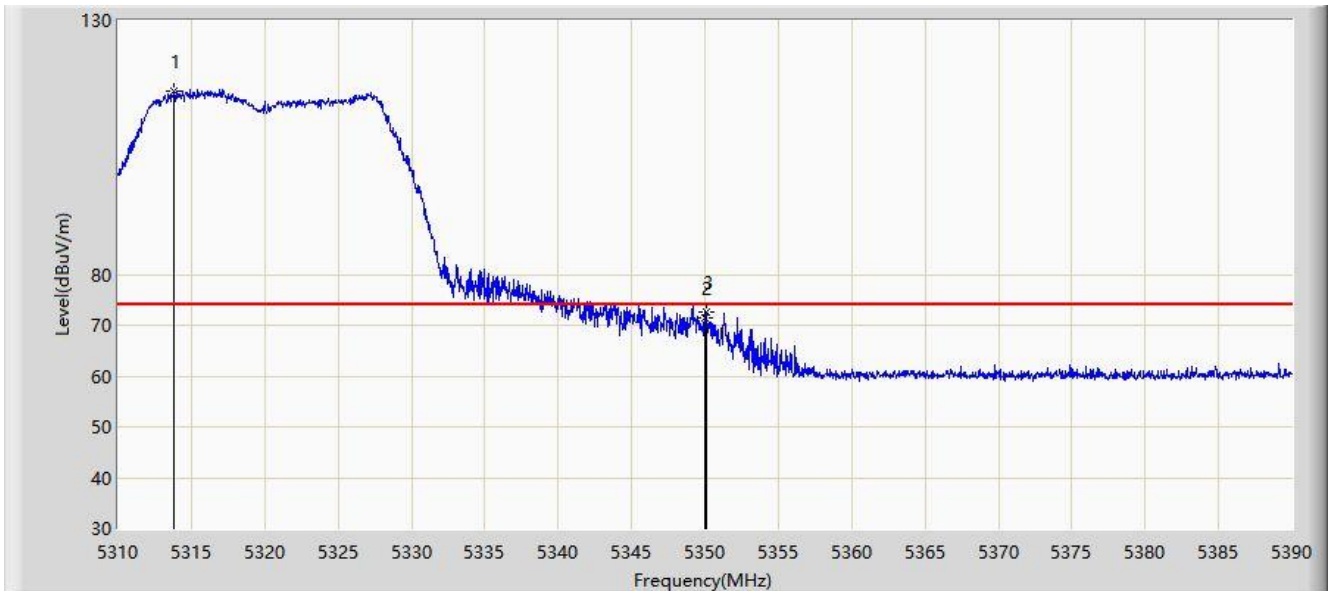
No	Flag	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB)	Type
1		*	5313.840	116.231	112.384	N/A	N/A	3.846	PK
2			5350.000	71.327	67.291	-2.673	74.000	4.036	PK
3			5350.120	72.729	68.692	-1.271	74.000	4.037	PK

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

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

| Site: WZ-AC1	Time: 2021/05/04 - 14:50
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 802.11a at Channel 5320MHz	
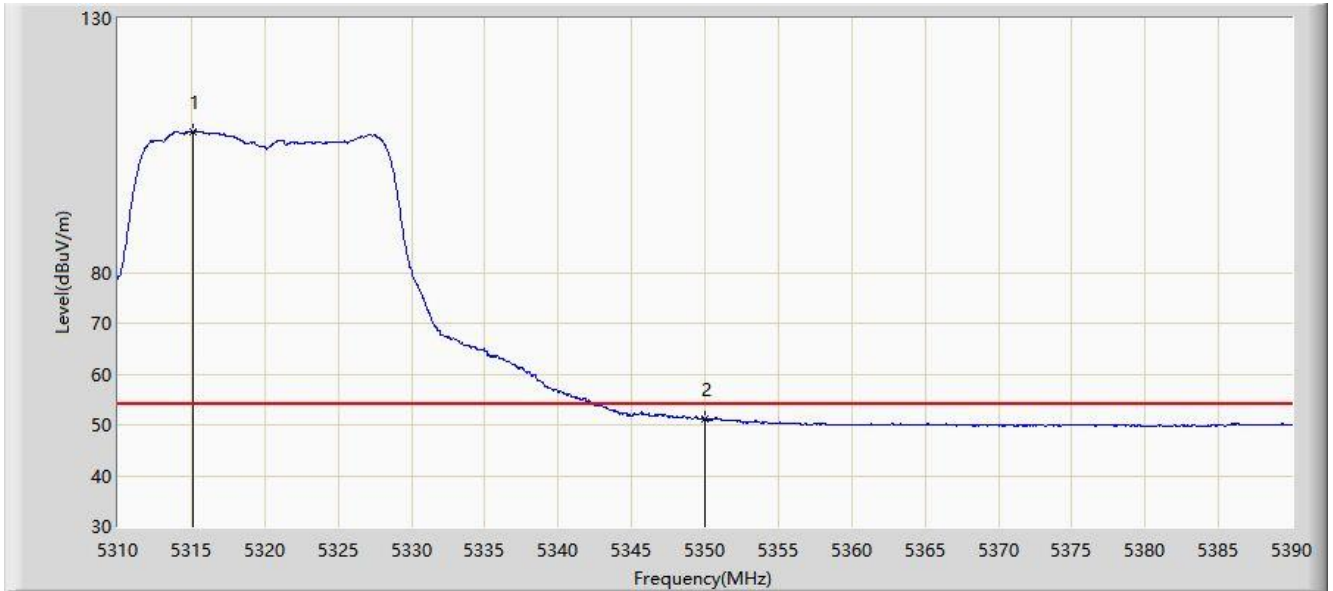
No	Flag	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB)	Type
1		*	5315.120	107.798	103.943	N/A	N/A	3.856	AV
2			5350.000	51.132	47.096	-2.868	54.000	4.036	AV

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

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

| Site: WZ-AC1	Time: 2021/05/04 - 14:47
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 802.11a at Channel 5320MHz	
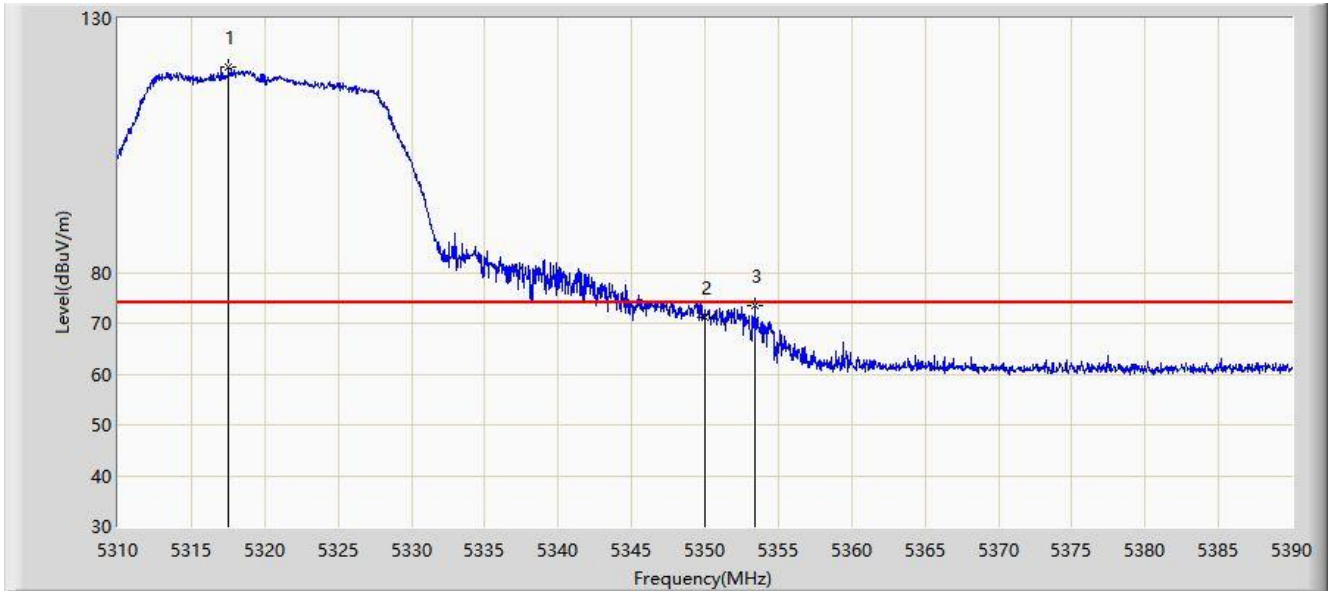
No	Flag	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB)	Type
1		*	5317.560	120.361	116.491	N/A	N/A	3.870	PK
2			5350.000	71.264	67.228	-2.736	74.000	4.036	PK
3			5353.440	73.365	69.309	-0.635	74.000	4.055	PK

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

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

| Site: WZ-AC1	Time: 2021/05/04 - 14:52
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 802.11a at Channel 5320MHz	
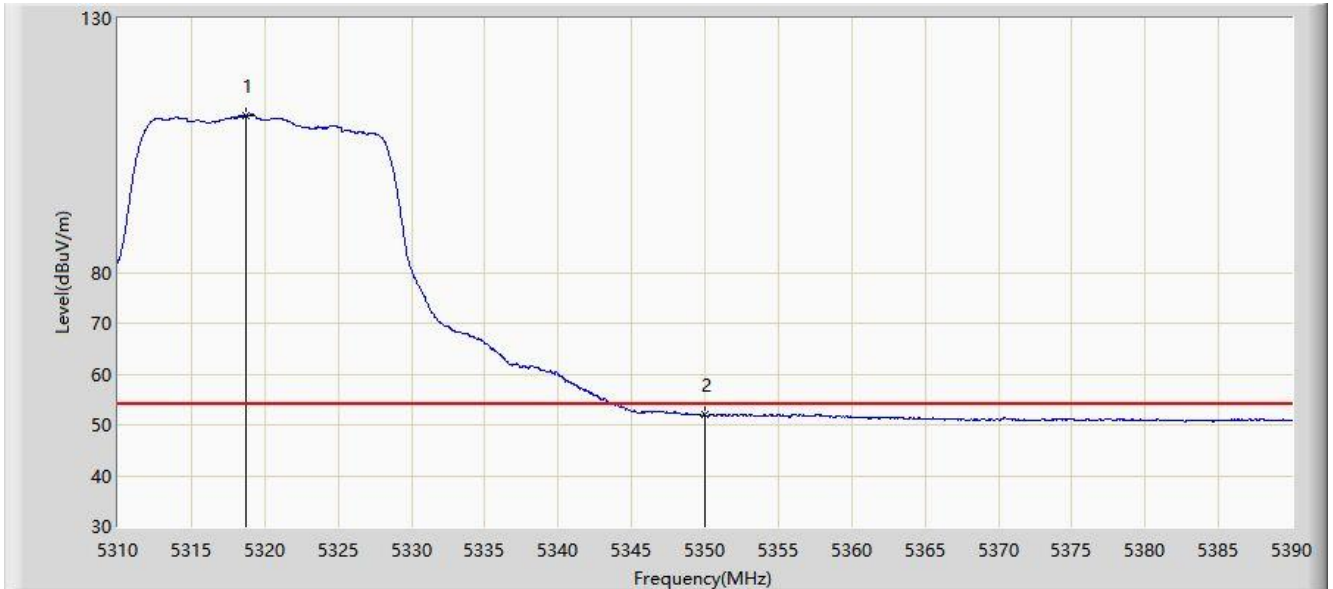
No	Flag	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB)	Type
1	X	*	5318.680	110.925	107.044	N/A	N/A	3.881	AV
2			5350.000	51.956	47.920	-2.044	54.000	4.036	AV

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

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

Site: WZ-AC1	Time: 2021/05/04 - 15:04
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 802.11a at Channel 5500MHz	
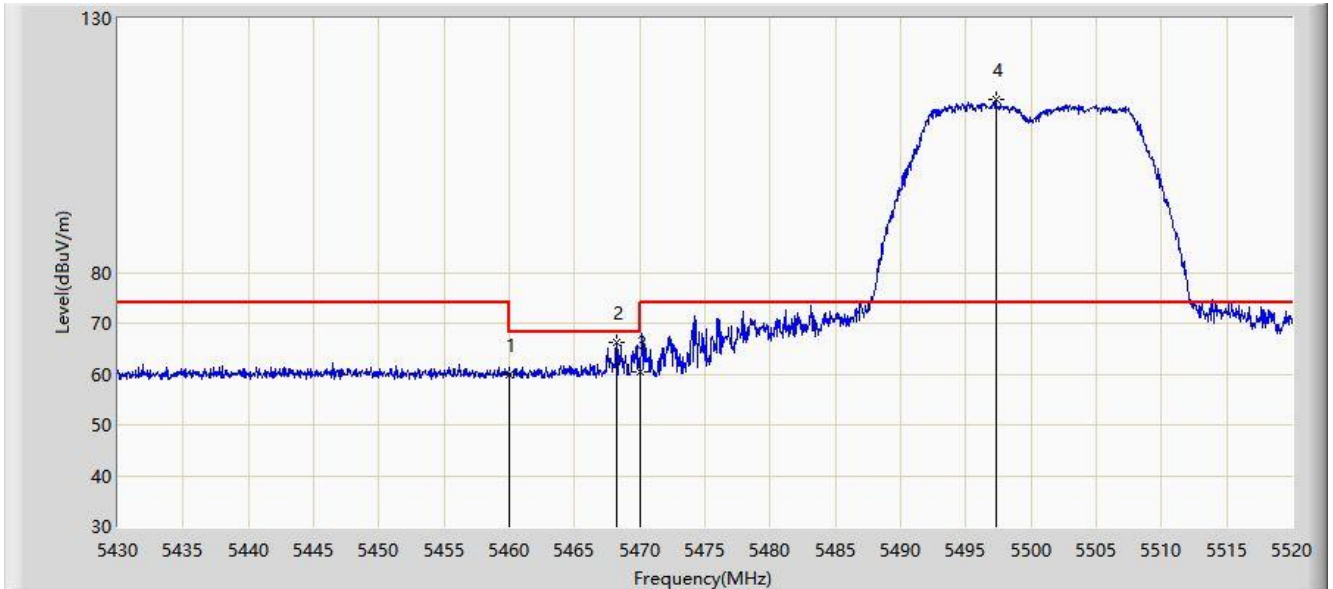
No	Flag	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB)	Type
1			5460.000	59.858	55.538	-14.142	74.000	4.320	PK
2			5468.250	66.131	61.856	-2.069	68.200	4.274	PK
3			5470.000	60.470	56.205	-7.730	68.200	4.265	PK
4		*	5497.275	114.154	109.688	N/A	N/A	4.466	PK

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

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

| Site: WZ-AC1	Time: 2021/05/04 - 15:08
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 802.11a at Channel 5500MHz	
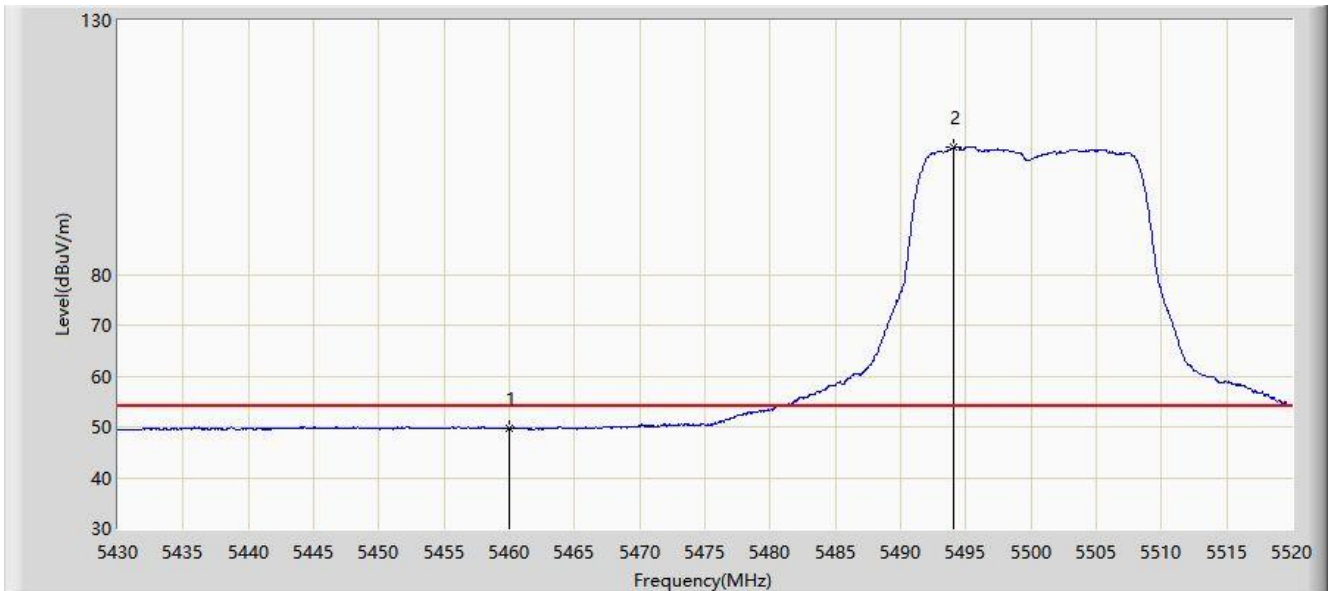
No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB)	Type
1			5460.000	49.752	45.432	-4.248	54.000	4.320	AV
2		*	5494.080	105.018	100.599	N/A	N/A	4.419	AV

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

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

| Site: WZ-AC1	Time: 2021/05/04 - 15:02
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 802.11a at Channel 5500MHz	
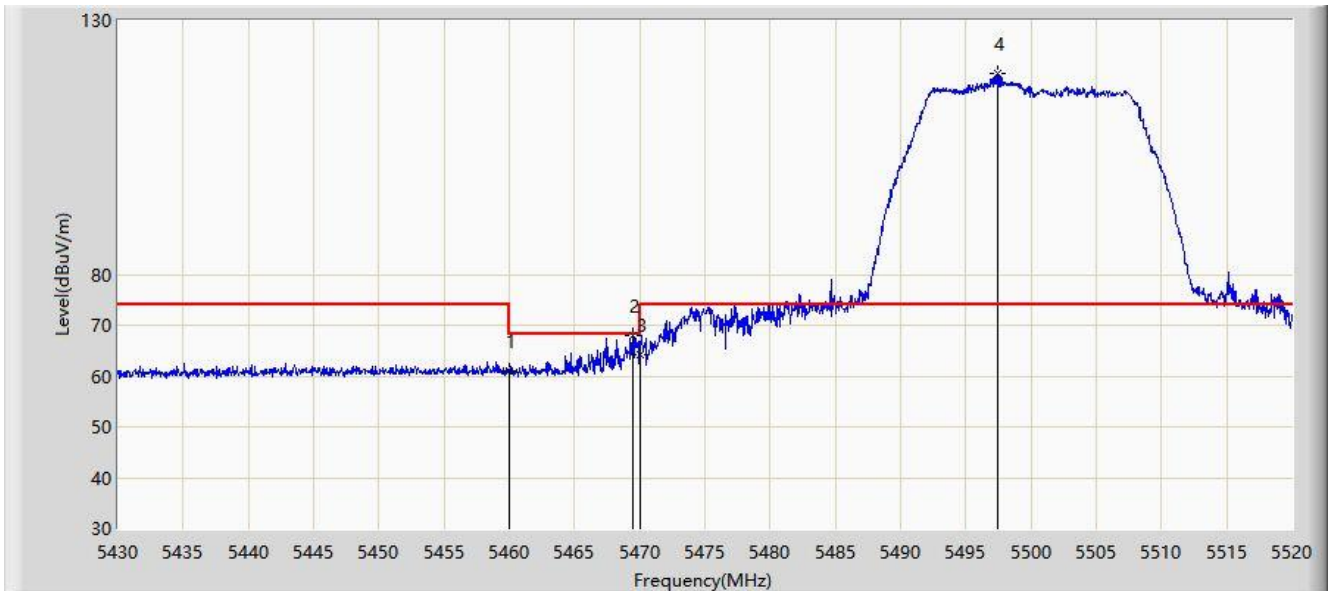
No	Flag	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB)	Type
1			5460.000	61.020	56.700	-12.980	74.000	4.320	PK
2			5469.420	68.025	63.757	-0.175	68.200	4.268	PK
3			5470.000	64.257	59.992	-3.943	68.200	4.265	PK
4		*	5497.455	119.622	115.153	N/A	N/A	4.469	PK

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

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

Site: WZ-AC1	Time: 2021/05/04 - 15:09
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 802.11a at Channel 5500MHz	
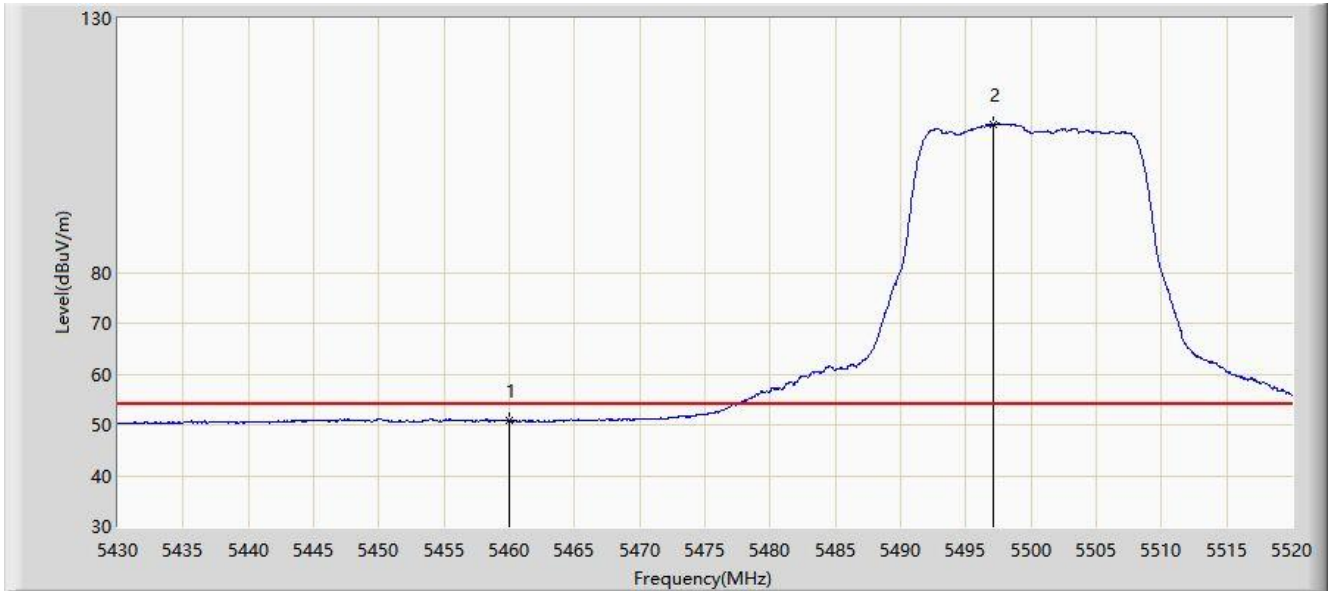
No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB)	Type
1			5460.000	50.911	46.591	-3.089	54.000	4.320	AV
2	X	*	5497.095	109.062	104.599	N/A	N/A	4.463	AV

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

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

| Site: WZ-AC1	Time: 2021/05/04 - 15:23
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 802.11a at Channel 5700MHz	
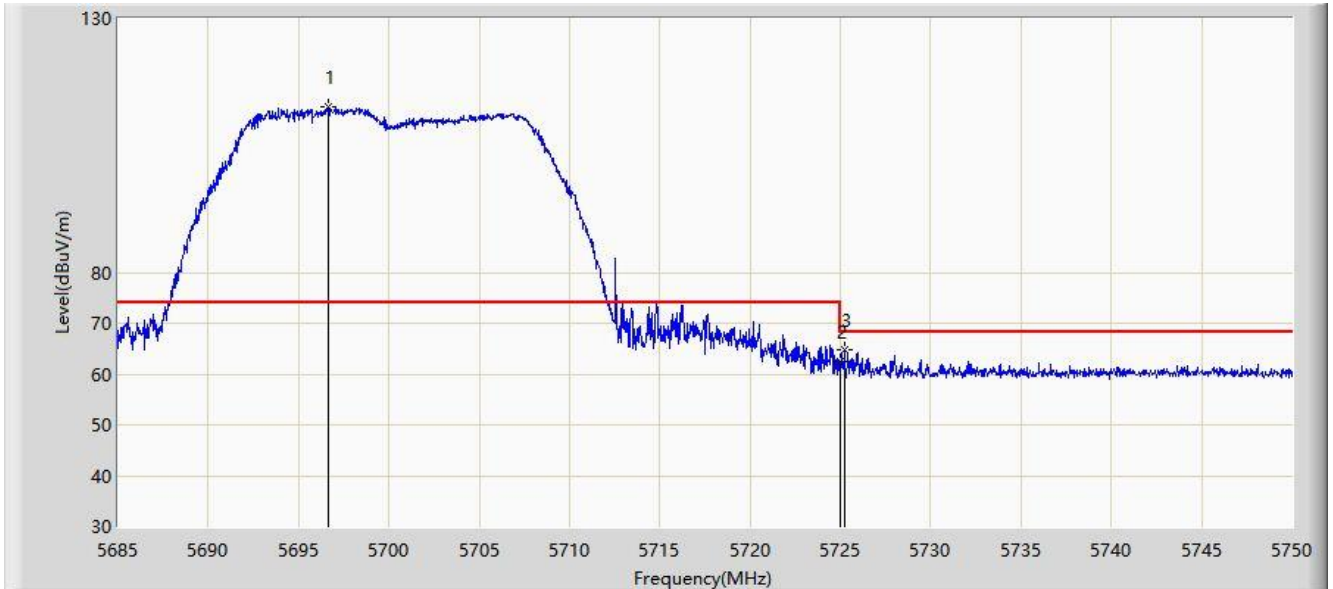
No	Flag	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB)	Type
1		*	5696.667	112.708	107.945	N/A	N/A	4.762	PK
2			5725.000	62.392	57.766	-5.808	68.200	4.626	PK
3			5725.235	64.837	60.212	-3.363	68.200	4.626	PK

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

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

| Site: WZ-AC1	Time: 2021/05/04 - 15:22
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 802.11a at Channel 5700MHz	
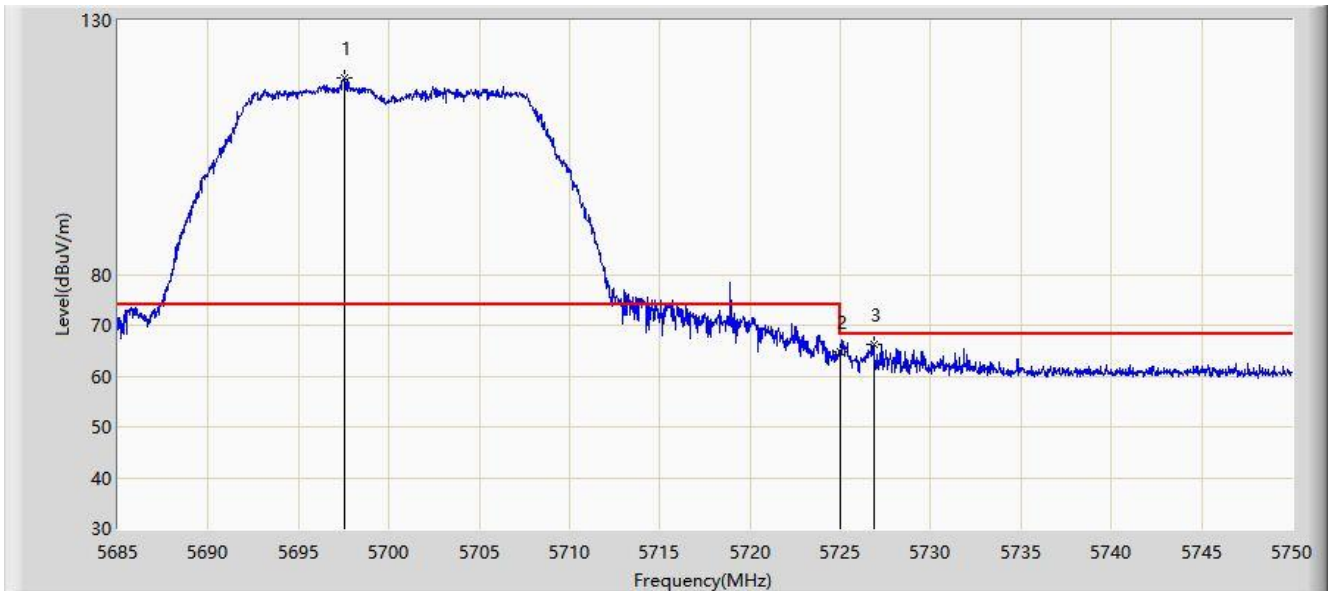
No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB)	Type
1		*	5697.513	118.638	113.881	N/A	N/A	4.757	PK
2			5725.000	64.841	60.215	-3.359	68.200	4.626	PK
3			5726.828	66.291	61.663	-1.909	68.200	4.628	PK

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

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

| Site: WZ-AC1	Time: 2021/05/04 - 15:29
Limit: FCC_Part15.407_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 802.11a at Channel 5745MHz	
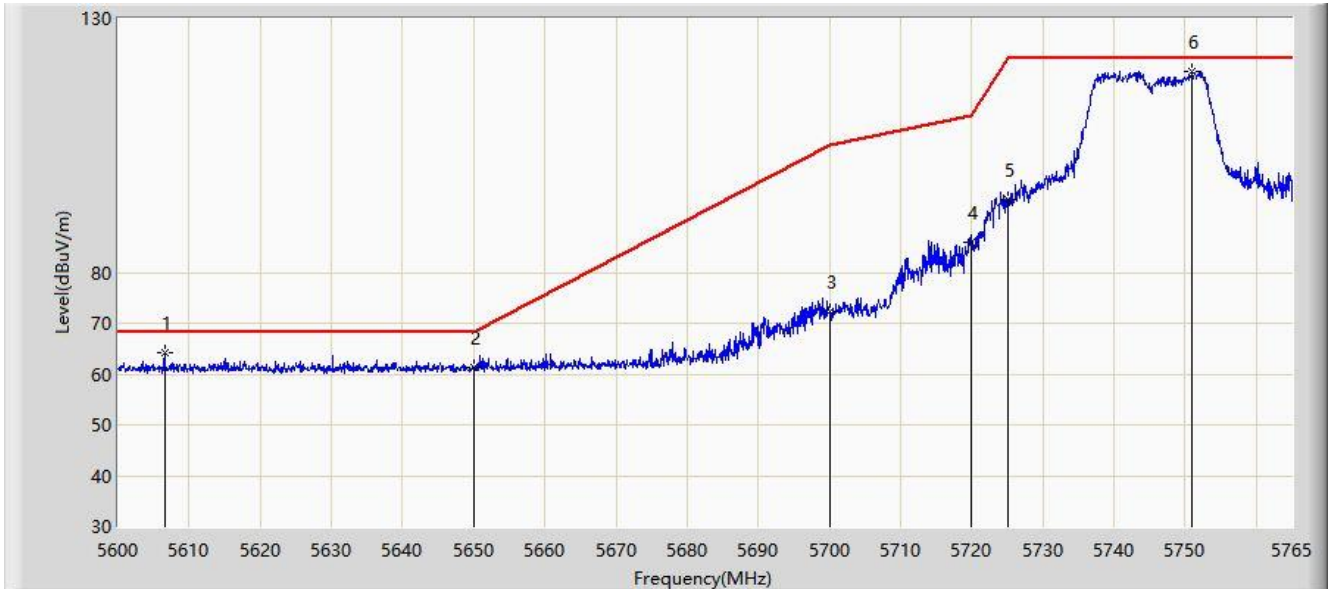
No	Flag	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB)	Type
1			5606.518	64.203	59.567	-3.997	68.200	4.637	PK
2			5650.000	61.290	56.772	-6.910	68.200	4.518	PK
3			5700.000	72.315	67.575	-32.885	105.200	4.740	PK
4			5720.000	86.029	81.385	-24.771	110.800	4.644	PK
5			5725.000	94.293	89.667	-27.907	122.200	4.626	PK
6		*	5750.975	119.622	114.872	N/A	N/A	4.750	PK

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

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

| Site: WZ-AC1	Time: 2021/05/04 - 15:26
Limit: FCC_Part15.407_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 802.11a at Channel 5745MHz	
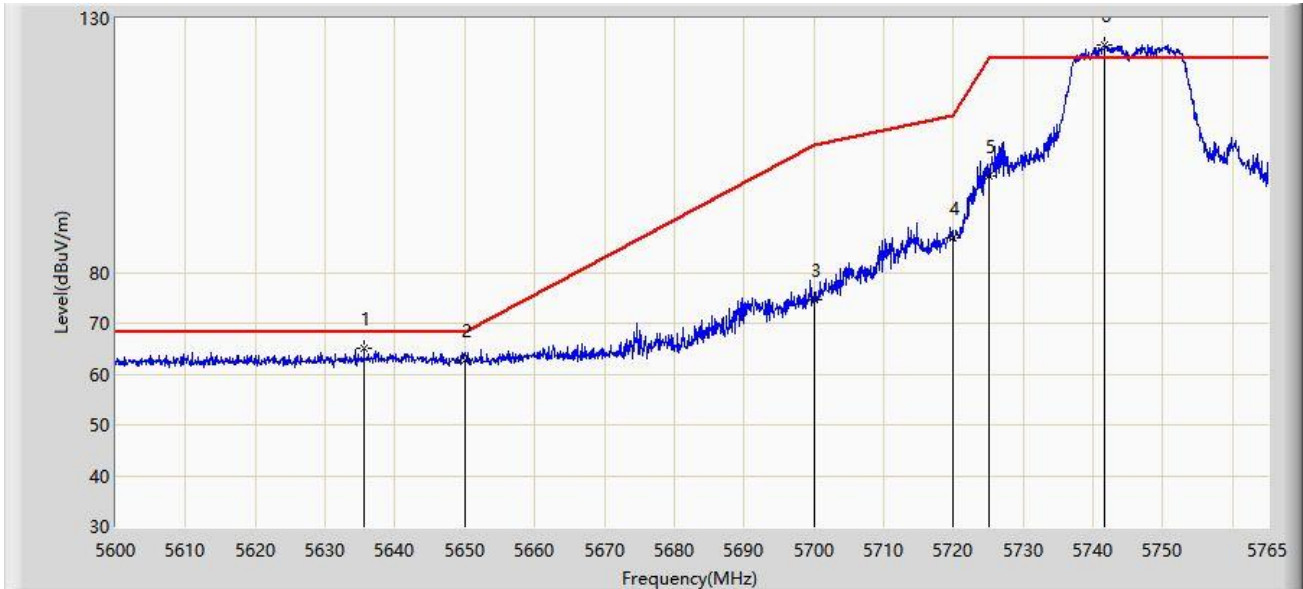
No	Flag	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB)	Type
1			5635.558	65.033	60.550	-3.167	68.200	4.484	PK
2			5650.000	62.843	58.325	-5.357	68.200	4.518	PK
3			5700.000	74.746	70.006	-30.454	105.200	4.740	PK
4			5720.000	86.947	82.303	-23.853	110.800	4.644	PK
5			5725.000	99.045	94.419	-23.155	122.200	4.626	PK
6		*	5741.652	124.806	120.099	N/A	N/A	4.707	PK

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

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

| Site: WZ-AC1	Time: 2021/05/04 - 15:35
Limit: FCC_Part15.407_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 802.11a at Channel 5825MHz	
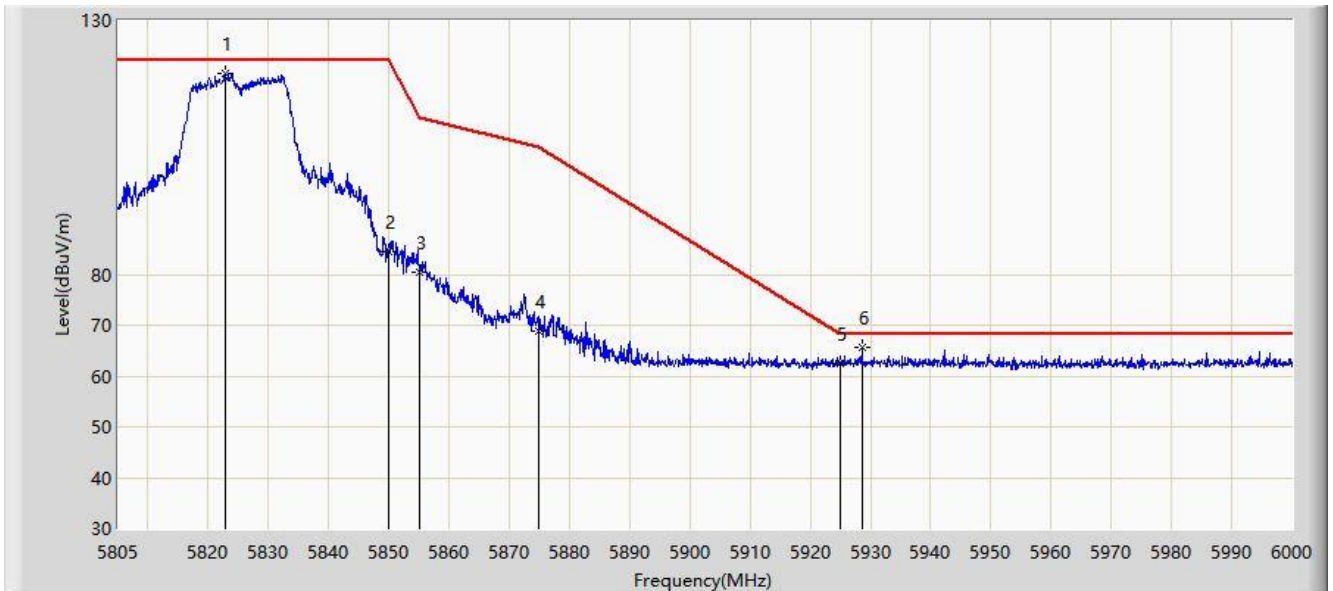
No	Flag	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB)	Type
1		*	5822.842	119.675	114.856	N/A	N/A	4.819	PK
2			5850.000	84.585	79.624	-37.615	122.200	4.961	PK
3			5855.000	80.432	75.476	-30.368	110.800	4.957	PK
4			5875.000	68.967	64.042	-36.233	105.200	4.926	PK
5			5925.000	62.464	57.292	-5.736	68.200	5.172	PK
6			5928.533	65.508	60.326	-2.692	68.200	5.182	PK

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

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

| Site: WZ-AC1	Time: 2021/05/04 - 15:32
Limit: FCC_Part15.407_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 802.11a at Channel 5825MHz	
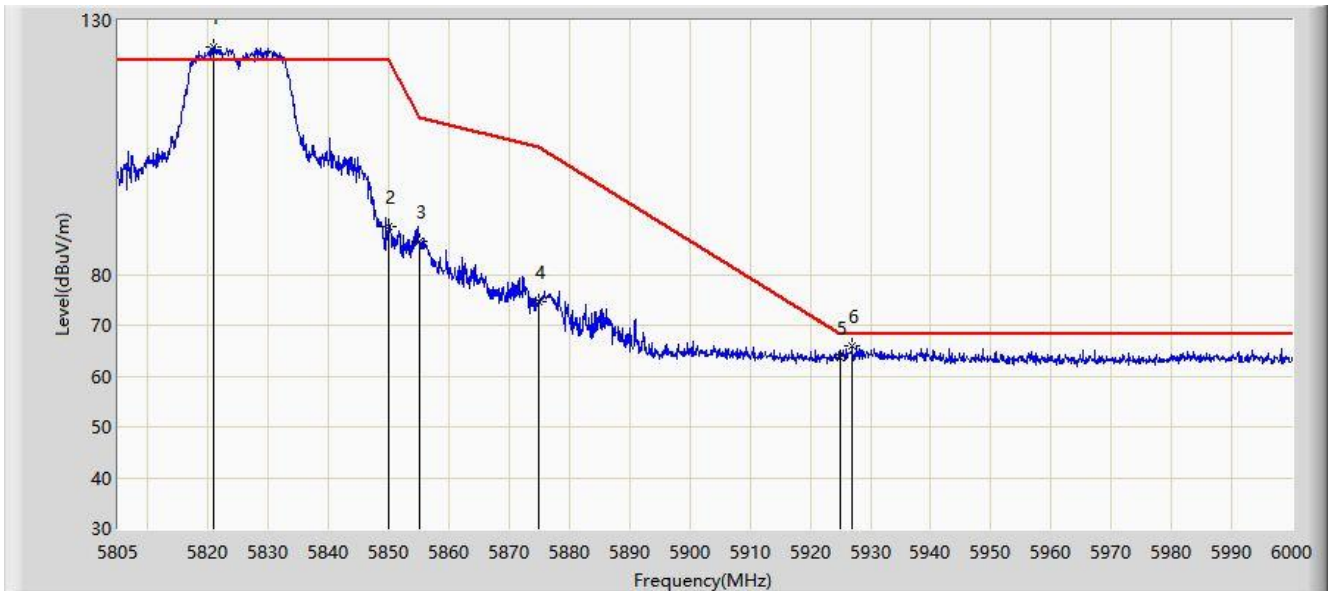
No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB)	Type
1		*	5820.990	124.724	119.922	N/A	N/A	4.802	PK
2			5850.000	89.493	84.532	-32.707	122.200	4.961	PK
3			5855.000	86.435	81.479	-24.365	110.800	4.957	PK
4			5875.000	74.762	69.837	-30.438	105.200	4.926	PK
5			5925.000	63.693	58.521	-4.507	68.200	5.172	PK
6			5926.973	65.887	60.710	-2.313	68.200	5.178	PK

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

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

| Site: WZ-AC1	Time: 2021/05/04 - 15:53
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 802.11ac-VHT20 at Channel 5180MHz	
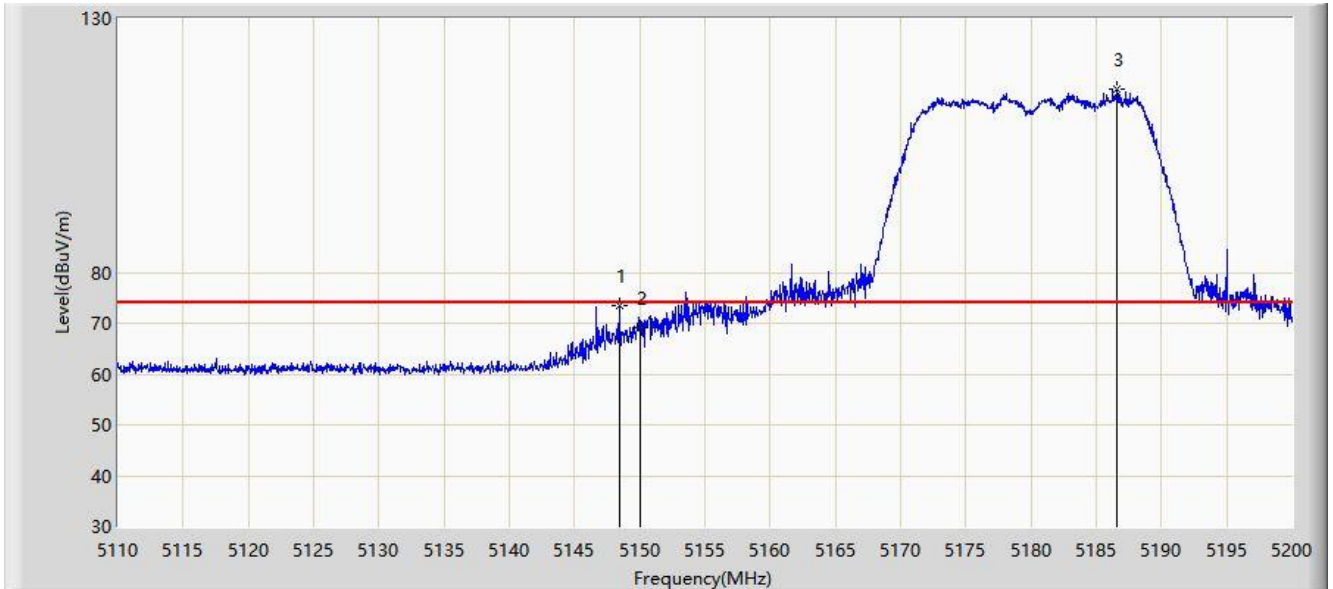
No	Flag	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB)	Type
1			5148.430	73.474	69.234	-0.526	74.000	4.241	PK
2			5150.000	69.080	64.818	-4.920	74.000	4.263	PK
3		*	5186.635	116.214	112.005	N/A	N/A	4.209	PK

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

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

Site: WZ-AC1	Time: 2021/05/04 - 15:51
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 802.11ac-VHT20 at Channel 5180MHz	
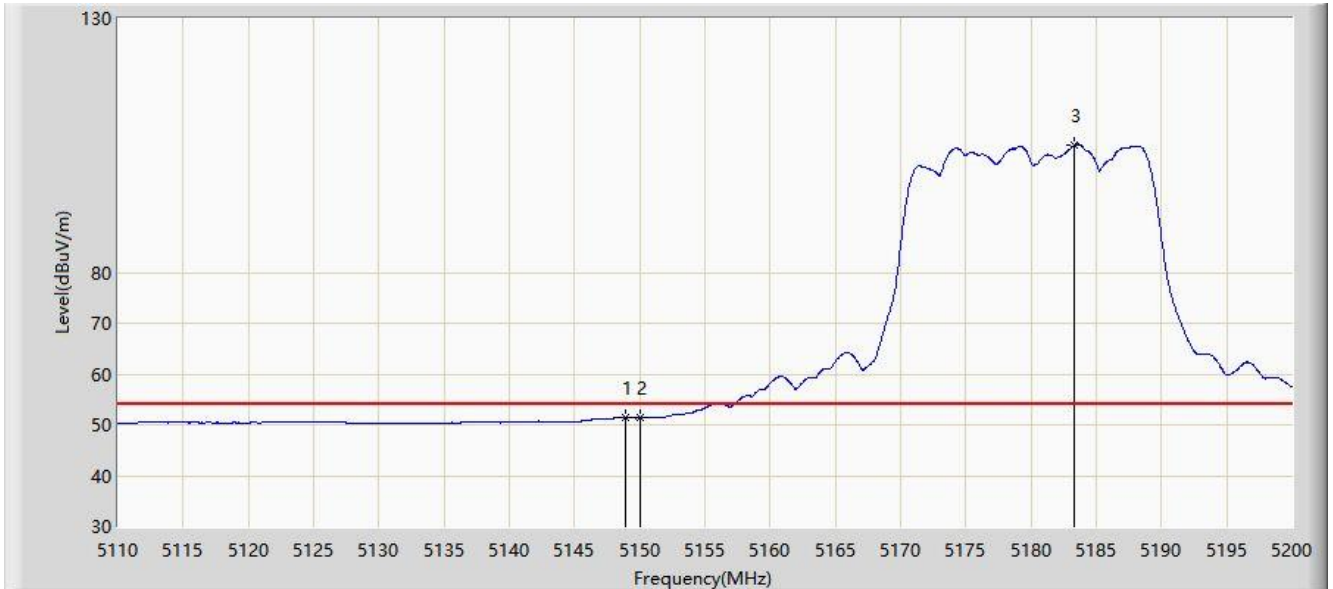
No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB)	Type
1			5148.880	51.475	47.228	-2.525	54.000	4.247	AV
2			5150.000	51.311	47.049	-2.689	54.000	4.263	AV
3		*	5183.305	105.014	100.800	N/A	N/A	4.214	AV

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

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

| Site: WZ-AC1	Time: 2021/05/04 – 15:47
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 802.11ac-VHT20 at Channel 5180MHz	
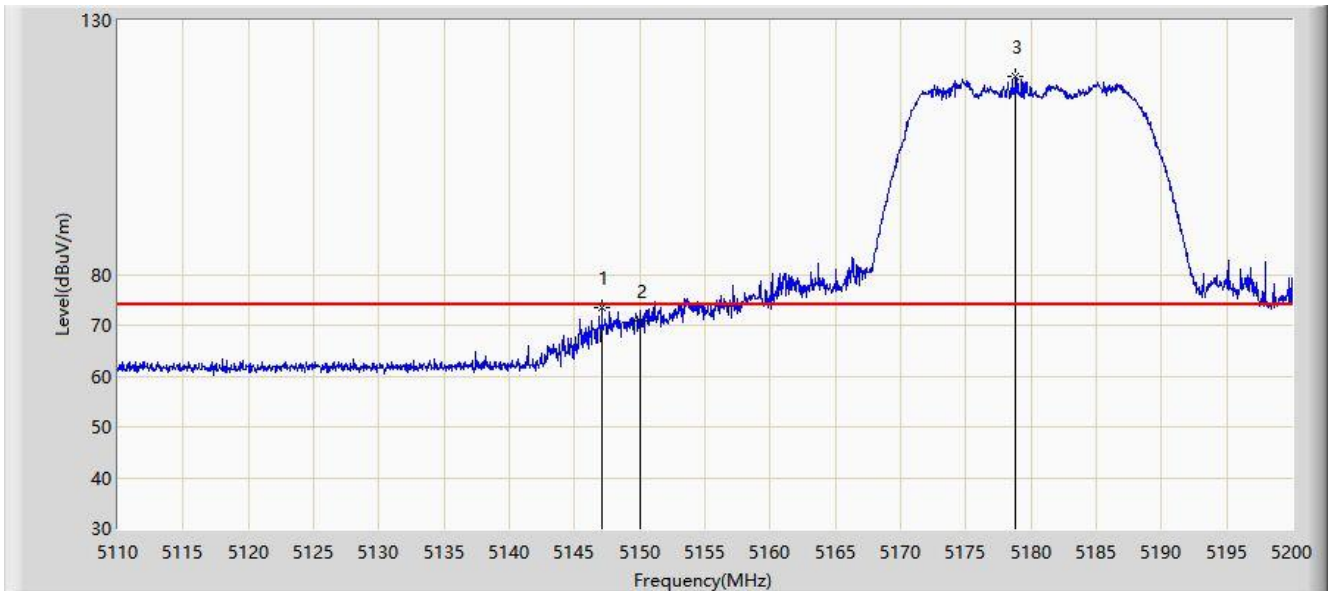
No	Flag	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB)	Type
1			5147.080	73.566	69.338	-0.434	74.000	4.228	PK
2			5150.000	70.733	66.471	-3.267	74.000	4.263	PK
3		*	5178.850	118.861	114.658	N/A	N/A	4.204	PK

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

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

| Site: WZ-AC1	Time: 2021/05/04 – 15:50
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 802.11ac-VHT20 at Channel 5180MHz	
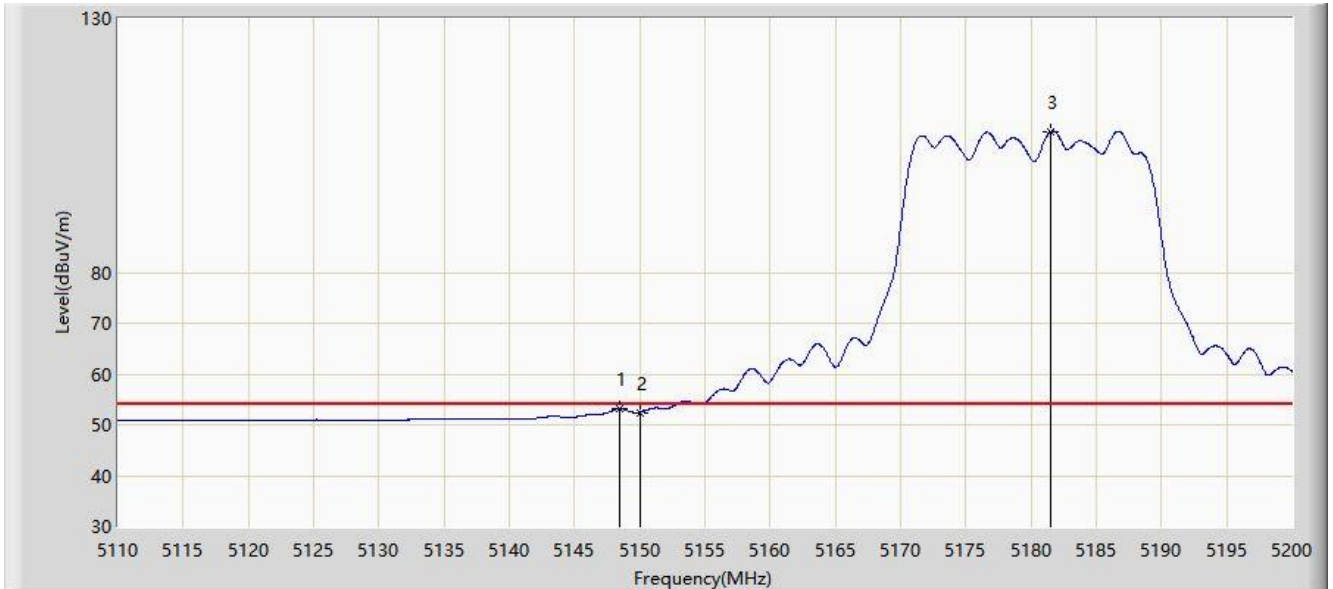
No	Flag	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB)	Type
1			5148.430	53.144	48.904	-0.856	54.000	4.241	AV
2			5150.000	52.408	48.146	-1.592	54.000	4.263	AV
3		*	5181.550	107.802	103.588	N/A	N/A	4.214	AV

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

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

| Site: WZ-AC1	Time: 2021/05/04 – 16:08
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 802.11ac-VHT20 at Channel 5320MHz	
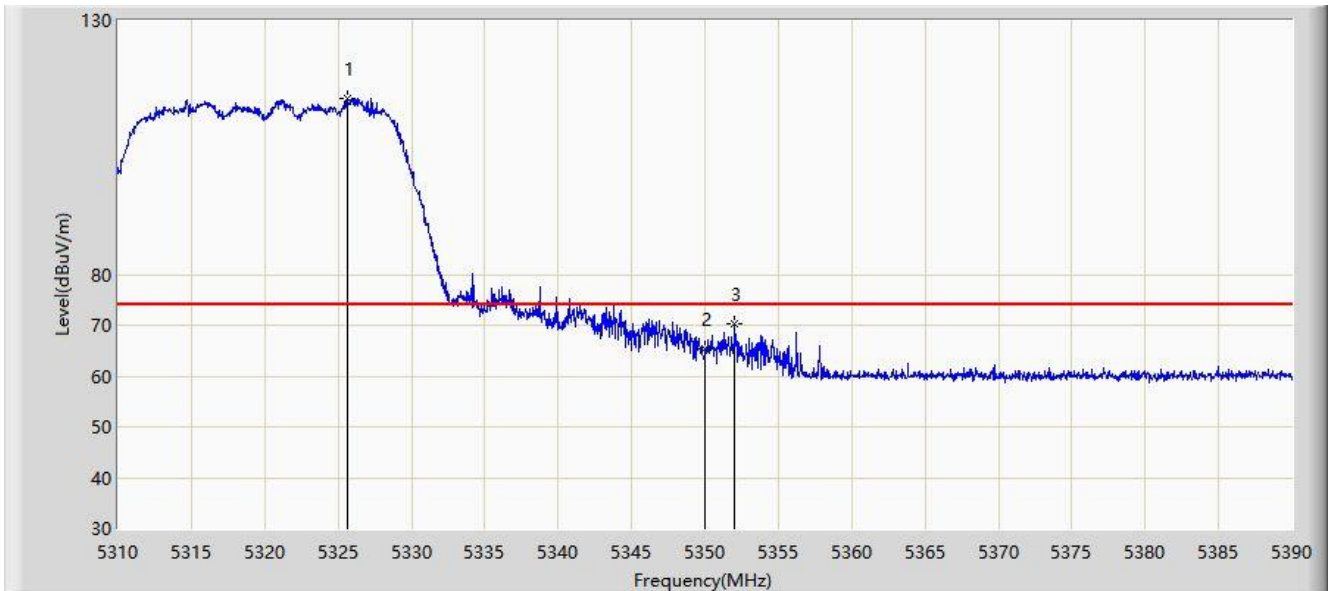
No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB)	Type
1		*	5325.680	114.680	110.716	N/A	N/A	3.964	PK
2			5350.000	65.505	61.469	-8.495	74.000	4.036	PK
3			5352.040	70.213	66.159	-3.787	74.000	4.054	PK

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

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

| Site: WZ-AC1	Time: 2021/05/04 – 16:07
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 802.11ac-VHT20 at Channel 5320MHz	
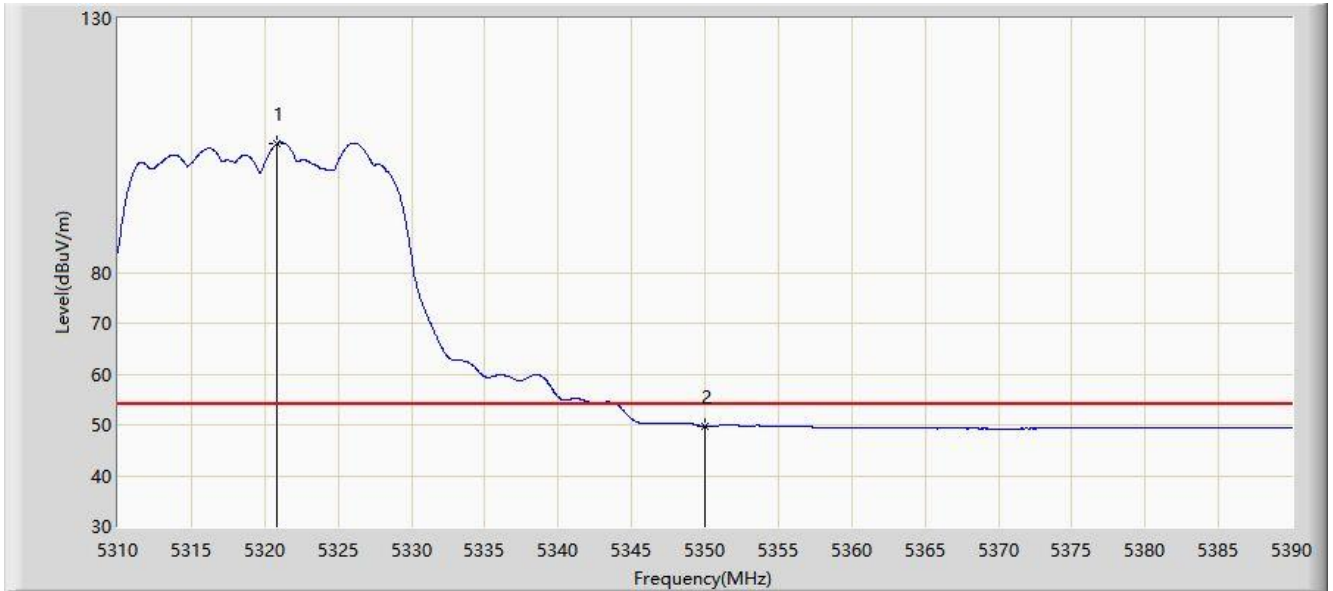
No	Flag	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB)	Type
1		*	5320.840	105.359	101.452	N/A	N/A	3.906	AV
2			5350.000	49.688	45.652	-4.312	54.000	4.036	AV

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

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

| Site: WZ-AC1	Time: 2021/05/04 – 16:04
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 802.11ac-VHT20 at Channel 5320MHz	
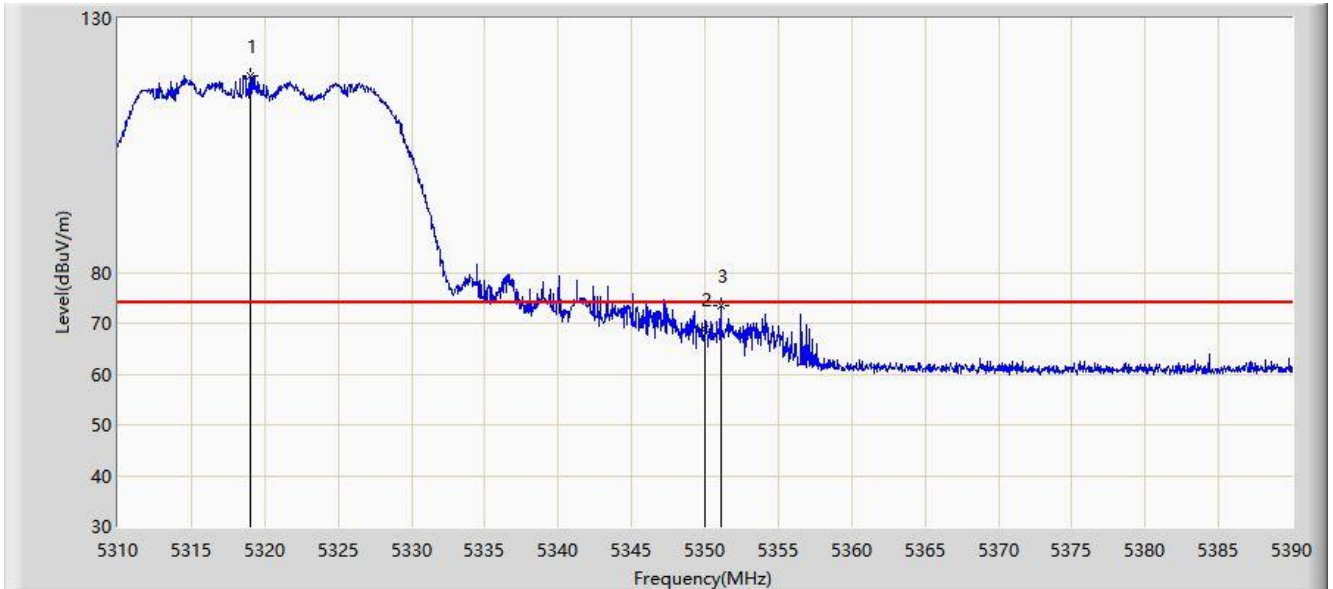
No	Flag	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB)	Type
1		*	5319.040	118.750	114.865	N/A	N/A	3.885	PK
2			5350.000	68.869	64.833	-5.131	74.000	4.036	PK
3			5351.080	73.591	69.545	-0.409	74.000	4.046	PK

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

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

| Site: WZ-AC1	Time: 2021/05/04 – 16:05
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 802.11ac-VHT20 at Channel 5320MHz	
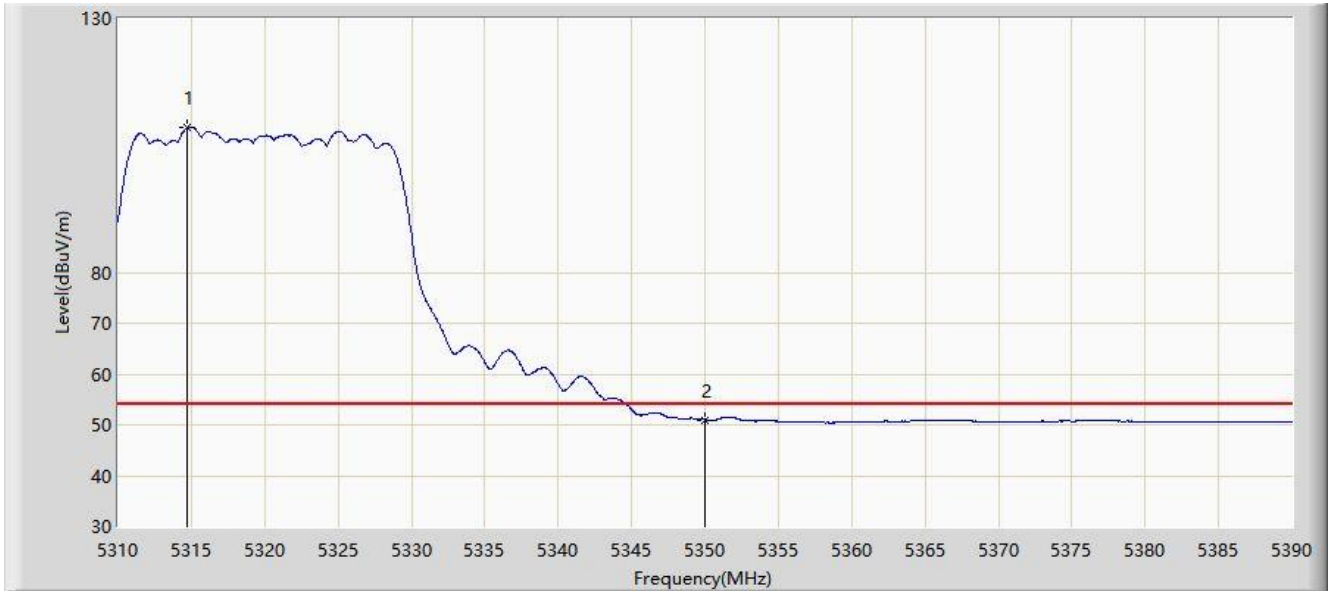
No	Flag	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB)	Type
1	X	*	5314.720	108.459	104.606	N/A	N/A	3.852	AV
2			5350.000	50.985	46.949	-3.015	54.000	4.036	AV

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

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

Site: WZ-AC1	Time: 2021/05/04 – 16:25
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 802.11ac-VHT20 at Channel 5500MHz	
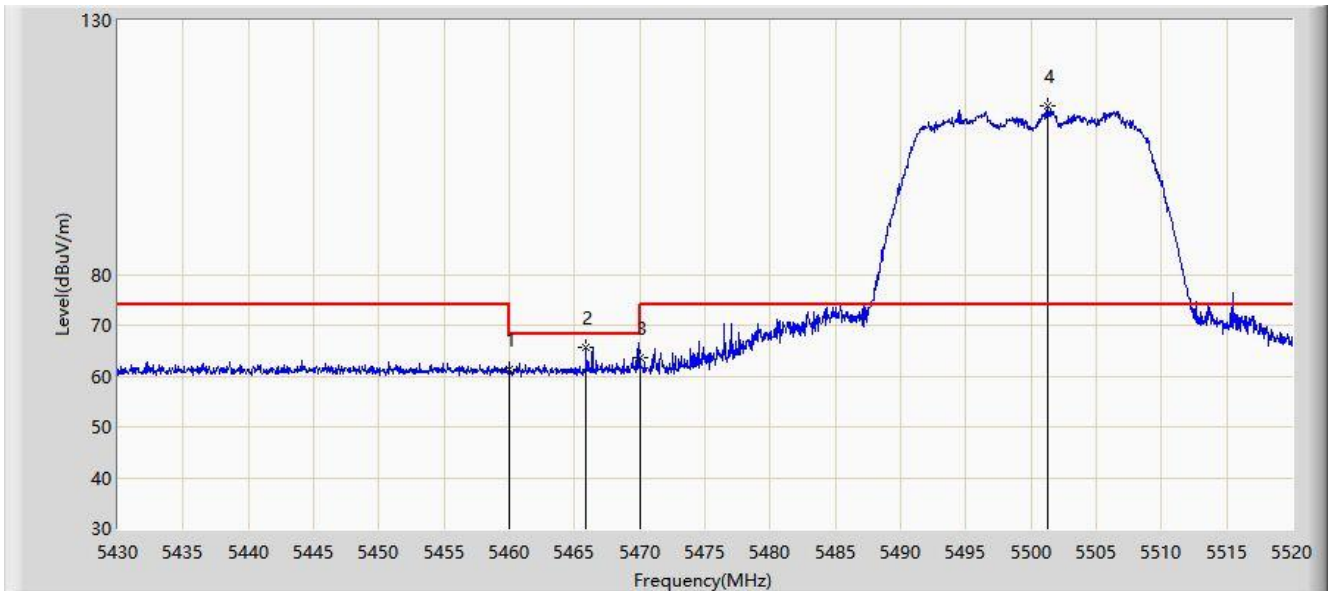
No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB)	Type
1			5460.000	61.252	56.932	-12.748	74.000	4.320	PK
2			5465.910	65.648	61.360	-2.552	68.200	4.288	PK
3			5470.000	63.612	59.347	-4.588	68.200	4.265	PK
4		*	5501.280	113.151	108.626	N/A	N/A	4.525	PK

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

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

| Site: WZ-AC1	Time: 2021/05/04 – 16:33
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 802.11ac-VHT20 at Channel 5500MHz	
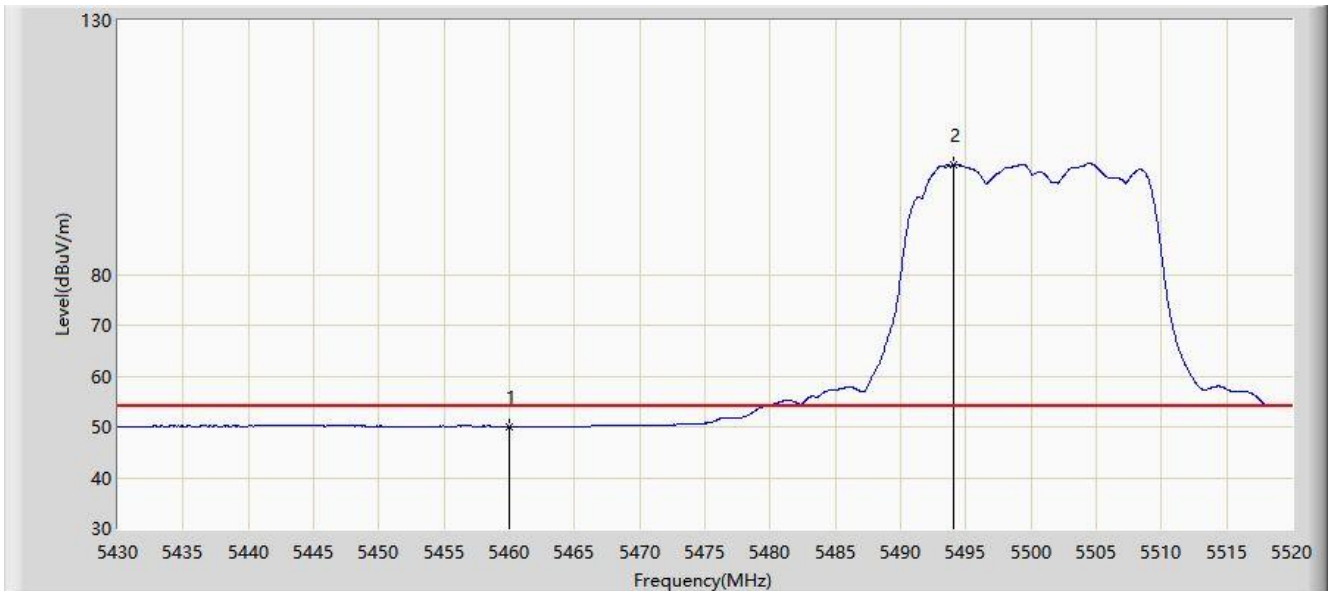
No	Flag	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB)	Type
1			5460.000	50.082	45.762	-3.918	54.000	4.320	AV
2		*	5494.035	101.587	97.169	N/A	N/A	4.418	AV

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

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

| Site: WZ-AC1	Time: 2021/05/04 – 16:23
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 802.11ac-VHT20 at Channel 5500MHz	
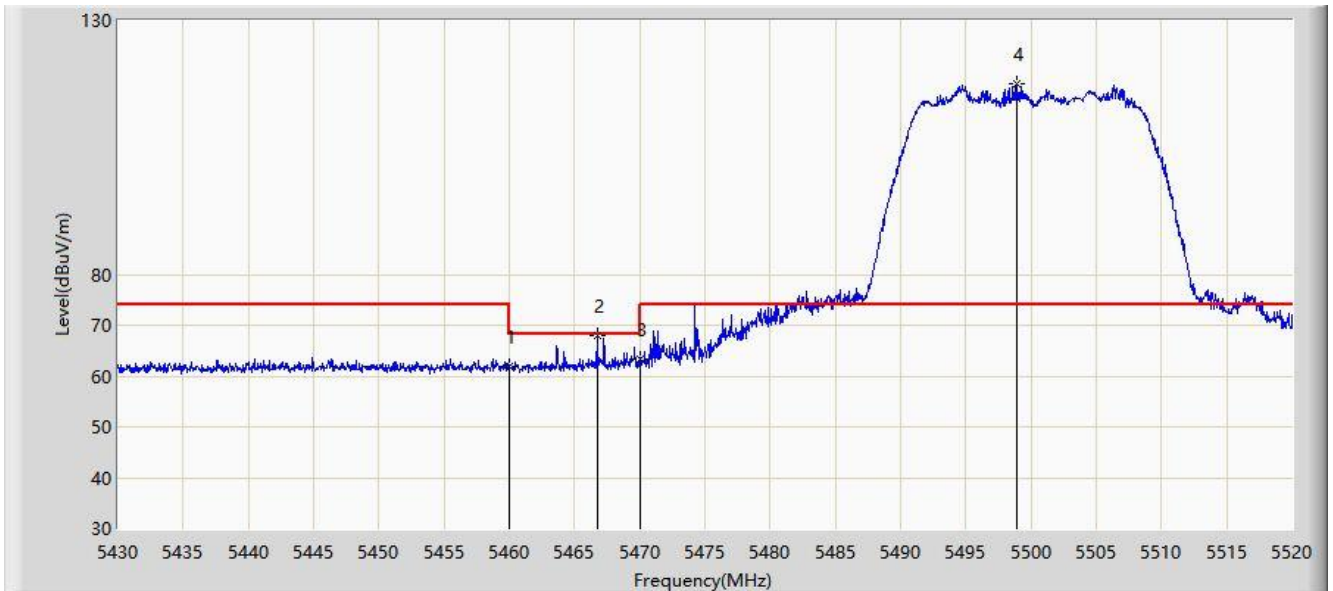
No	Flag	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB)	Type
1			5460.000	61.826	57.506	-12.174	74.000	4.320	PK
2			5466.720	68.007	63.724	-0.193	68.200	4.284	PK
3			5470.000	63.345	59.080	-4.855	68.200	4.265	PK
4		*	5498.940	117.663	113.172	N/A	N/A	4.491	PK

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

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

| Site: WZ-AC1	Time: 2021/05/04 – 16:35
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 802.11ac-VHT20 at Channel 5500MHz	
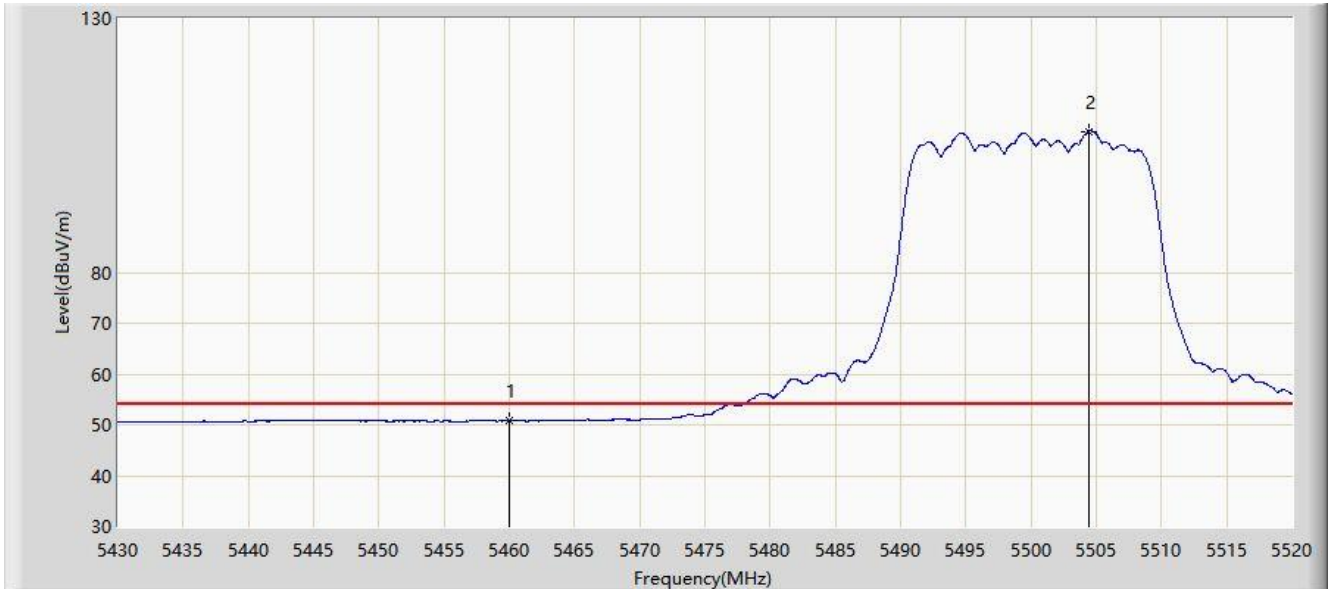
No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB)	Type
1			5460.000	50.761	46.441	-3.239	54.000	4.320	AV
2		*	5504.430	107.805	103.233	N/A	N/A	4.571	AV

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

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

Site: WZ-AC1	Time: 2021/05/04 – 16:43
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 802.11ac-VHT20 at Channel 5700MHz	
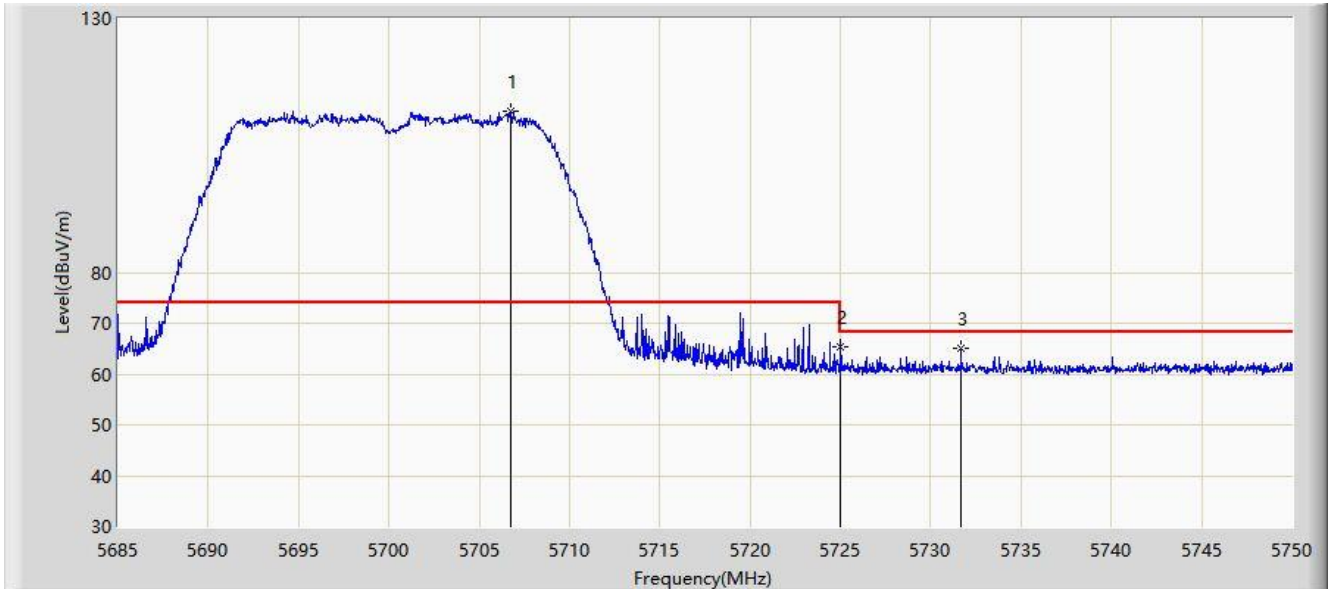
No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB)	Type
1		*	5706.710	111.852	107.157	N/A	N/A	4.695	PK
2			5725.000	65.298	60.672	-2.902	68.200	4.626	PK
3			5731.670	65.154	60.500	-3.046	68.200	4.654	PK

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

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

| Site: WZ-AC1	Time: 2021/05/04 – 16:42
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 802.11ac-VHT20 at Channel 5700MHz	
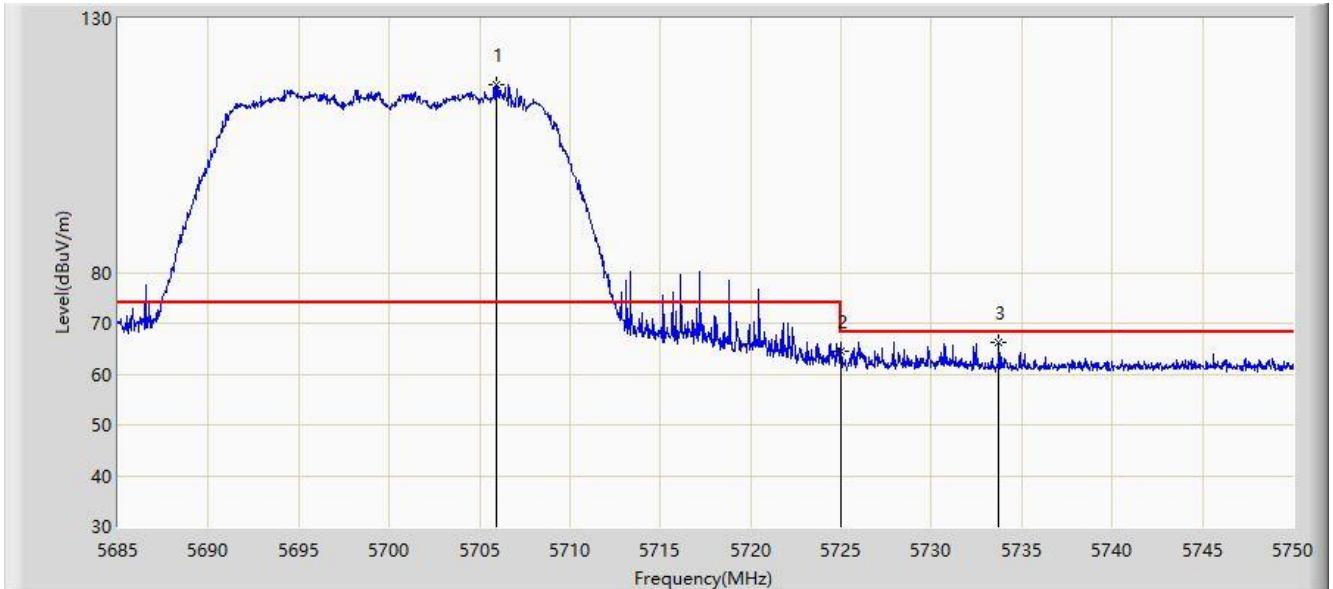
No	Flag	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB)	Type
1		*	5705.962	116.832	112.305	N/A	N/A	4.527	PK
2			5725.000	64.402	59.776	-3.798	68.200	4.626	PK
3			5733.717	66.239	61.574	-1.961	68.200	4.665	PK

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

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

| Site: WZ-AC1	Time: 2021/05/04 – 16:46
Limit: FCC_Part15.407_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 802.11ac-VHT20 at Channel 5745MHz	
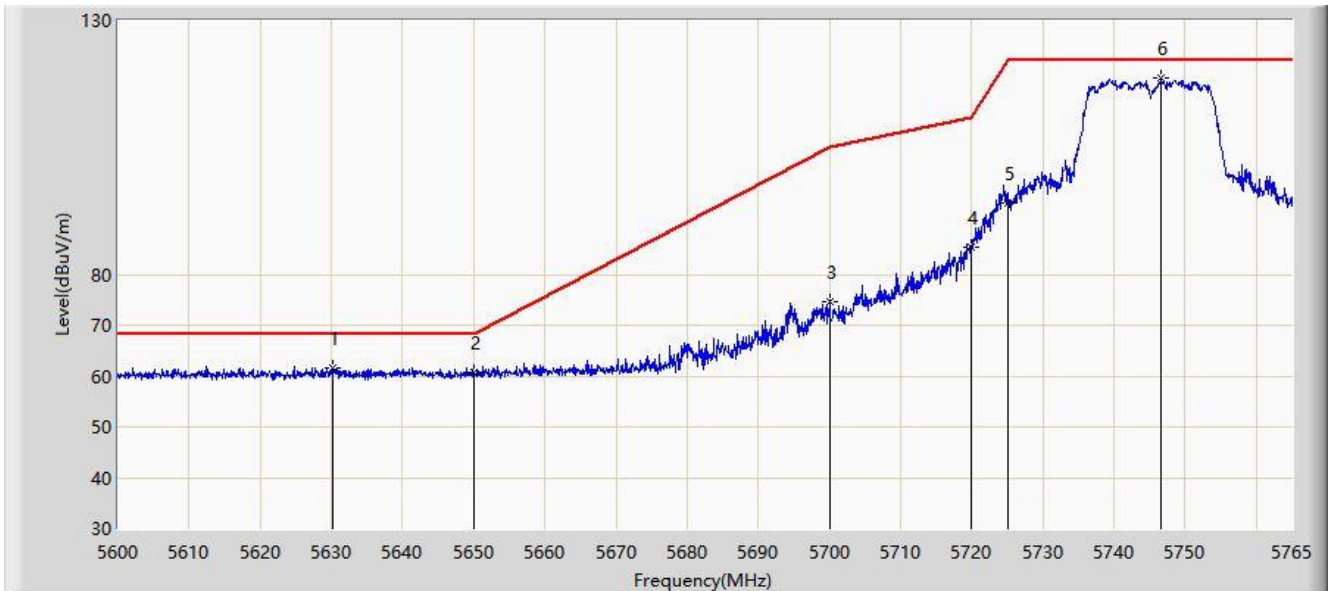
No	Flag	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB)	Type
1			5630.195	61.670	57.149	-6.530	68.200	4.520	PK
2			5650.000	60.635	56.117	-7.565	68.200	4.518	PK
3			5700.000	74.534	69.794	-30.666	105.200	4.740	PK
4			5720.000	85.482	80.838	-25.318	110.800	4.644	PK
5			5725.000	94.026	89.400	-28.174	122.200	4.626	PK
6		*	5746.603	118.574	113.840	N/A	N/A	4.734	PK

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

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

| Site: WZ-AC1	Time: 2021/05/04 – 16:47
Limit: FCC_Part15.407_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 802.11ac-VHT20 at Channel 5745MHz	
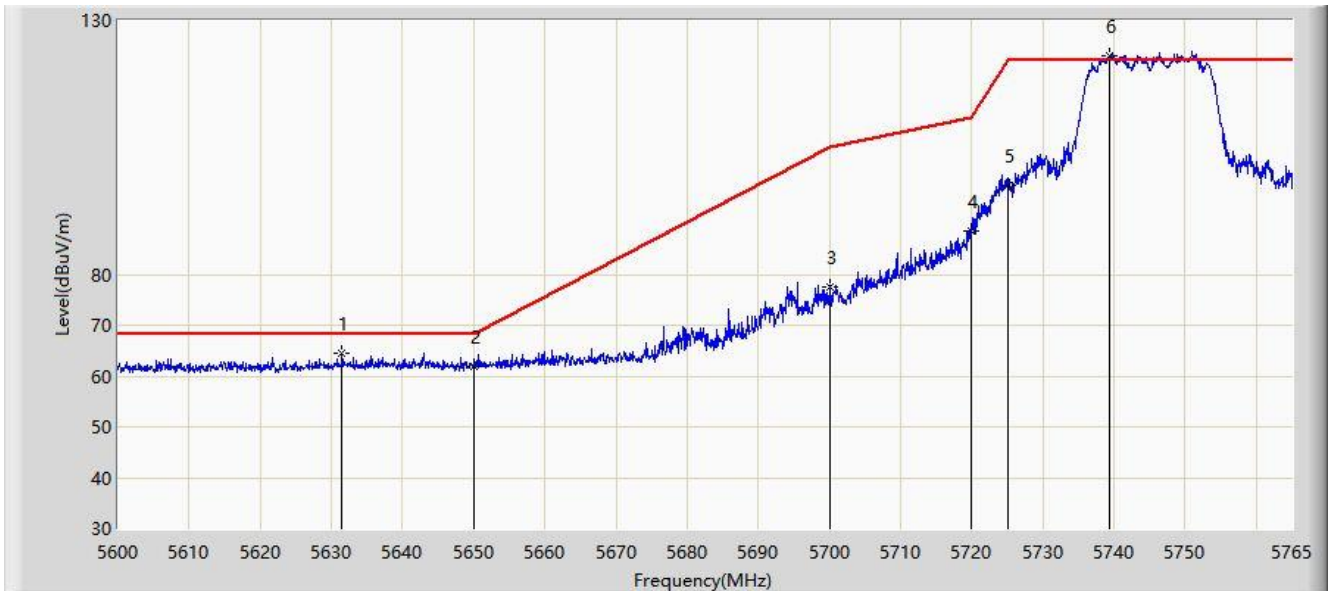
No	Flag	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB)	Type
1			5631.433	64.380	59.868	-3.820	68.200	4.512	PK
2			5650.000	61.878	57.360	-6.322	68.200	4.518	PK
3			5700.000	77.623	72.883	-27.577	105.200	4.740	PK
4			5720.000	88.639	83.995	-22.161	110.800	4.644	PK
5			5725.000	97.640	93.014	-24.560	122.200	4.626	PK
6		*	5739.342	123.059	118.364	N/A	N/A	4.694	PK

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

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

| Site: WZ-AC1	Time: 2021/05/04 – 16:50
Limit: FCC_Part15.407_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 802.11ac-VHT20 at Channel 5825MHz	
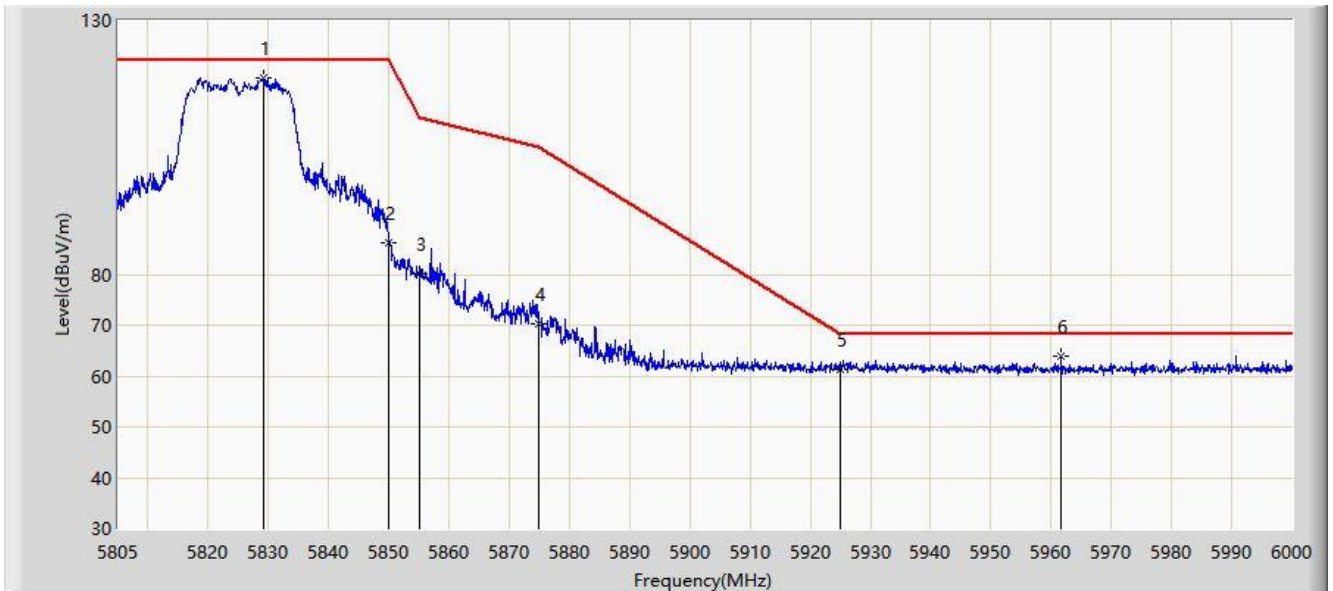
No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB)	Type
1		*	5829.083	118.667	113.789	N/A	N/A	4.878	PK
2			5850.000	86.195	81.234	-36.005	122.200	4.961	PK
3			5855.000	80.032	75.076	-30.768	110.800	4.957	PK
4			5875.000	70.180	65.255	-35.020	105.200	4.926	PK
5			5925.000	61.401	56.229	-6.799	68.200	5.172	PK
6			5961.683	63.994	58.987	-4.206	68.200	5.007	PK

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

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

| Site: WZ-AC1	Time: 2021/05/04 – 16:51
Limit: FCC_Part15.407_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 802.11ac-VHT20 at Channel 5825MHz	
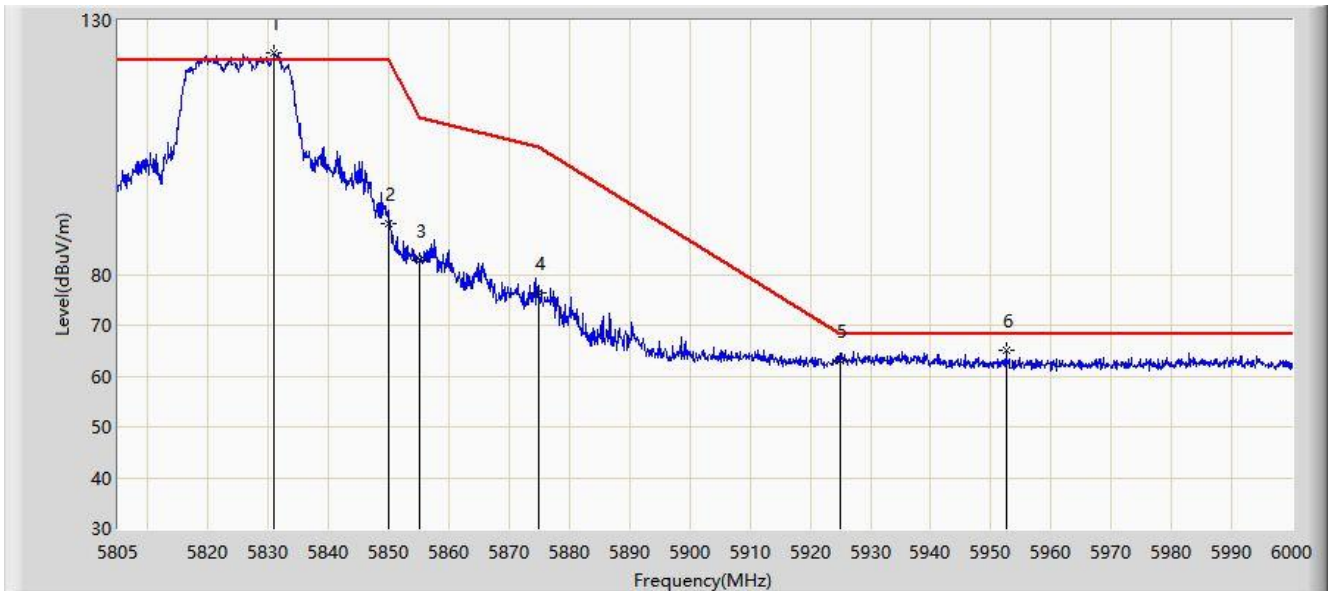
No	Flag	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB)	Type
1		*	5830.935	123.670	118.775	N/A	N/A	4.894	PK
2			5850.000	89.987	85.026	-32.213	122.200	4.961	PK
3			5855.000	82.646	77.690	-28.154	110.800	4.957	PK
4			5875.000	76.333	71.408	-28.867	105.200	4.926	PK
5			5925.000	62.993	57.821	-5.207	68.200	5.172	PK
6			5952.518	64.973	59.926	-3.227	68.200	5.047	PK

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

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

| Site: WZ-AC1	Time: 2021/05/06 – 22:00
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 802.11ac-VHT40 at Channel 5190MHz	
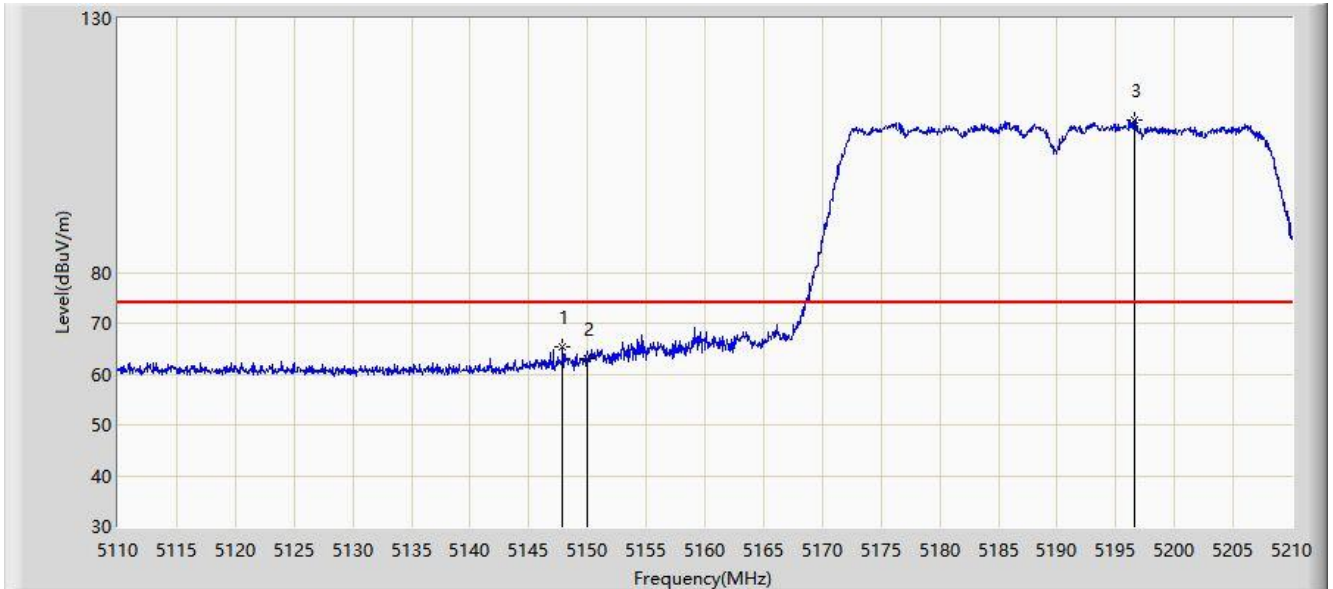
No	Flag	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB)	Type
1			5147.900	65.395	61.374	-8.605	74.000	4.021	PK
2			5150.000	63.187	59.158	-10.813	74.000	4.029	PK
3		*	5196.550	110.034	105.981	N/A	N/A	4.053	PK

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

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

| Site: WZ-AC1	Time: 2021/05/06 – 22:03
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 802.11ac-VHT40 at Channel 5190MHz	
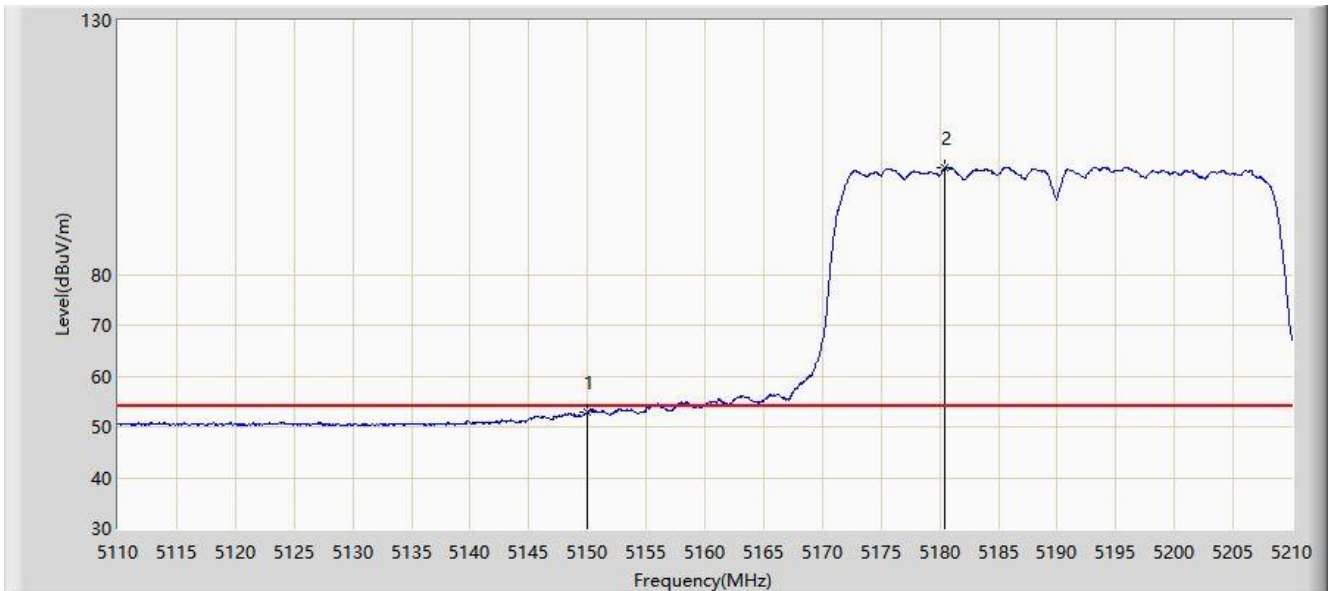
No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB)	Type
1			5150.000	52.944	48.915	-1.056	54.000	4.029	AV
2		*	5180.450	100.966	96.867	N/A	N/A	4.098	AV

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

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

| Site: WZ-AC1	Time: 2021/05/06 – 21:59
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 802.11ac-VHT40 at Channel 5190MHz	
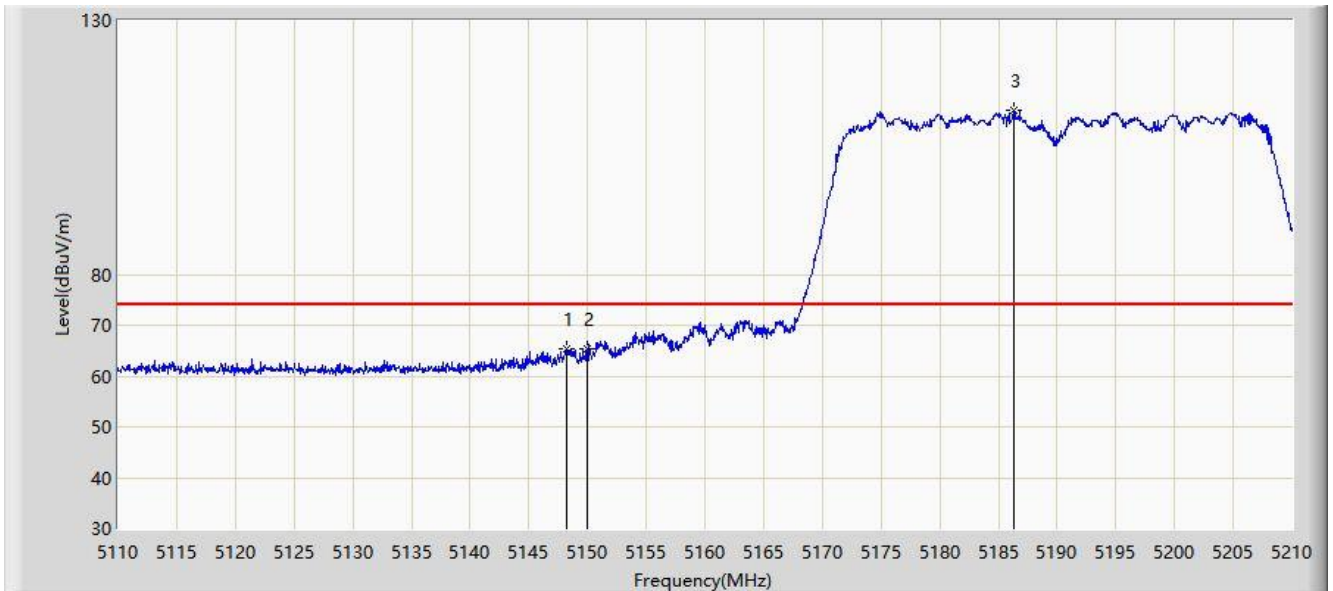
No	Flag	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB)	Type
1			5148.250	65.239	61.217	-8.761	74.000	4.022	PK
2			5150.000	65.242	61.213	-8.758	74.000	4.029	PK
3		*	5186.300	112.194	108.146	N/A	N/A	4.047	PK

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

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

| Site: WZ-AC1	Time: 2021/05/06 – 21:58
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 802.11ac-VHT40 at Channel 5190MHz	
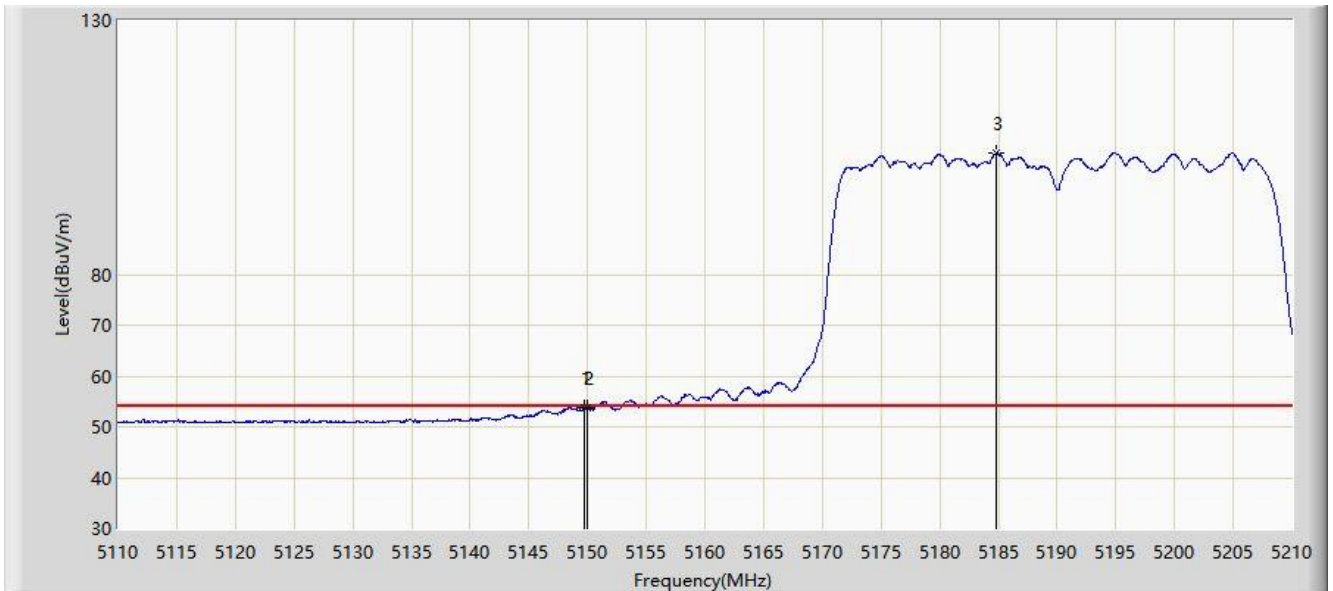
No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB)	Type
1			5149.700	53.773	49.745	-0.227	54.000	4.028	AV
2			5150.000	53.687	49.658	-0.313	54.000	4.029	AV
3		*	5184.750	103.851	99.788	N/A	N/A	4.064	AV

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

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

| Site: WZ-AC1	Time: 2021/05/06 – 22:18
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 802.11ac-VHT40 at Channel 5310MHz	
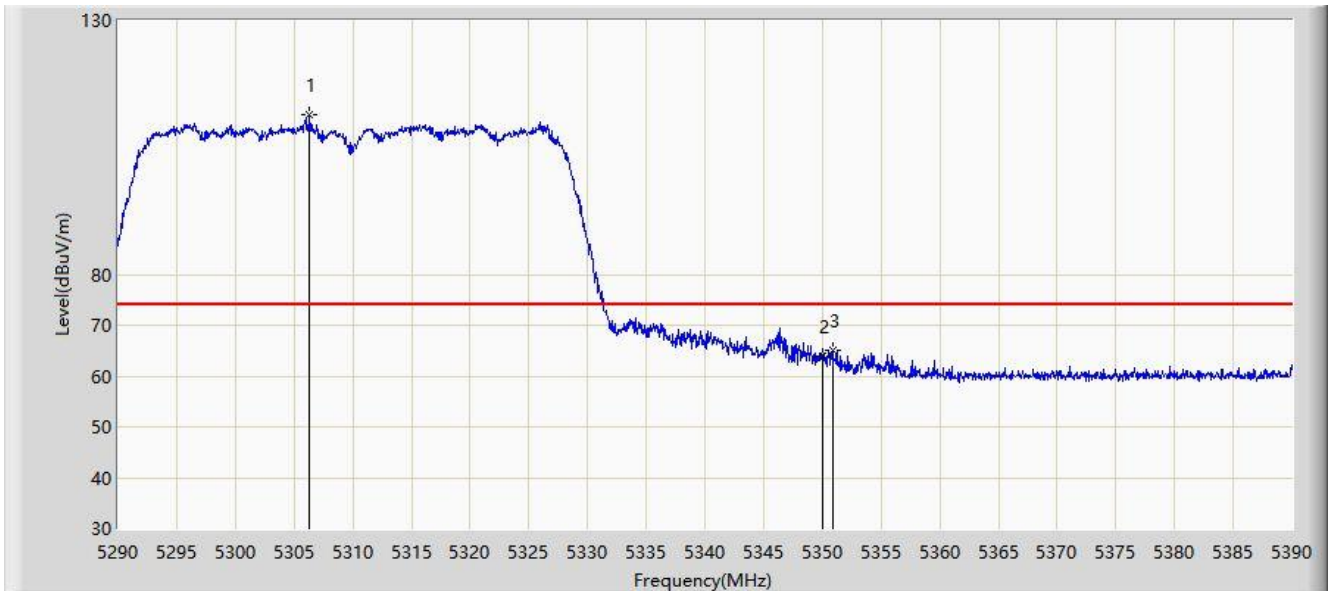
No	Flag	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB)	Type
1		*	5306.350	111.482	107.699	N/A	N/A	3.783	PK
2			5350.000	63.795	59.778	-10.205	74.000	4.017	PK
3			5350.900	65.037	61.014	-8.963	74.000	4.023	PK

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

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

| Site: WZ-AC1	Time: 2021/05/06 – 22:19
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 802.11ac-VHT40 at Channel 5310MHz	
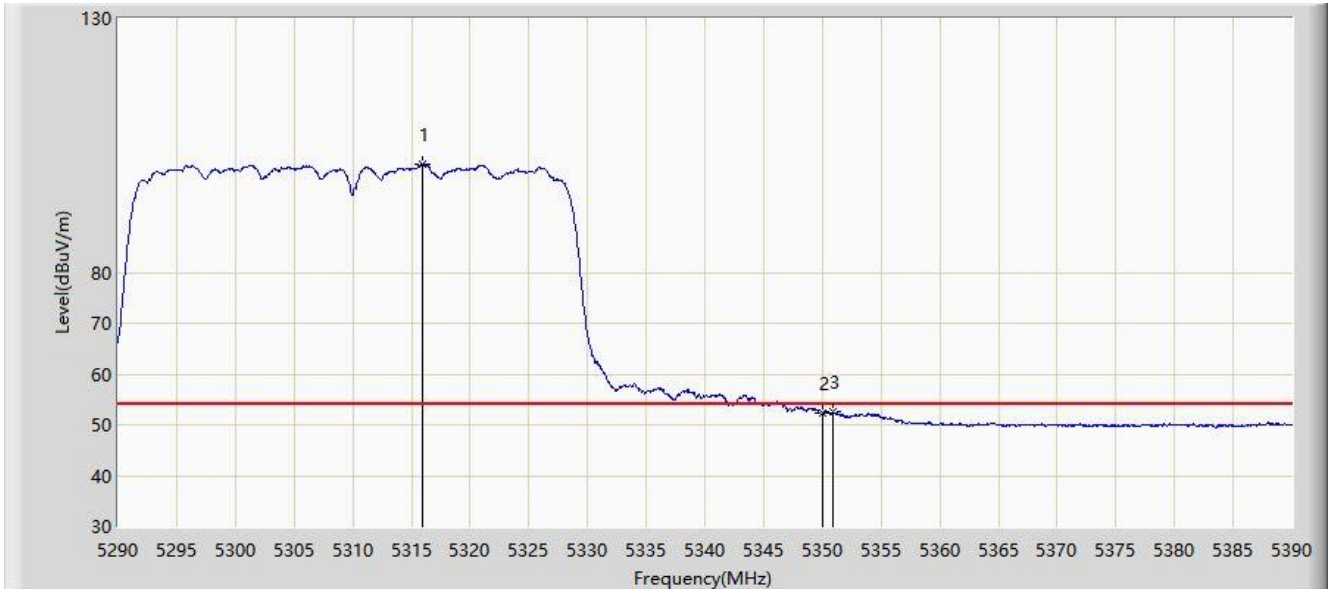
No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB)	Type
1		*	5316.000	101.296	97.485	N/A	N/A	3.811	AV
2			5350.000	52.224	48.207	-1.776	54.000	4.017	AV
3			5350.950	52.601	48.578	-1.399	54.000	4.023	AV

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

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

| Site: WZ-AC1	Time: 2021/05/06 – 22:15
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 802.11ac-VHT40 at Channel 5310MHz	
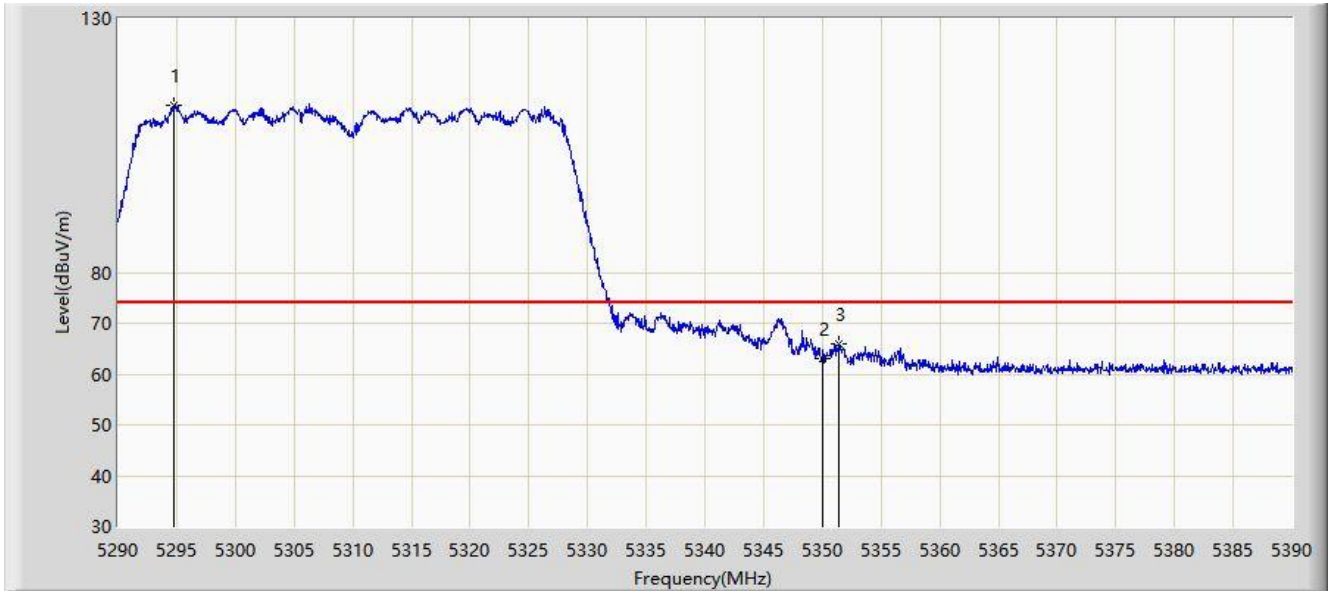
No	Flag	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB)	Type
1		*	5294.750	112.835	109.079	N/A	N/A	3.755	PK
2			5350.000	63.054	59.037	-10.946	74.000	4.017	PK
3			5351.450	65.984	61.958	-8.016	74.000	4.026	PK

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

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

Site: WZ-AC1	Time: 2021/05/06 – 22:14
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 802.11ac-VHT40 at Channel 5310MHz	
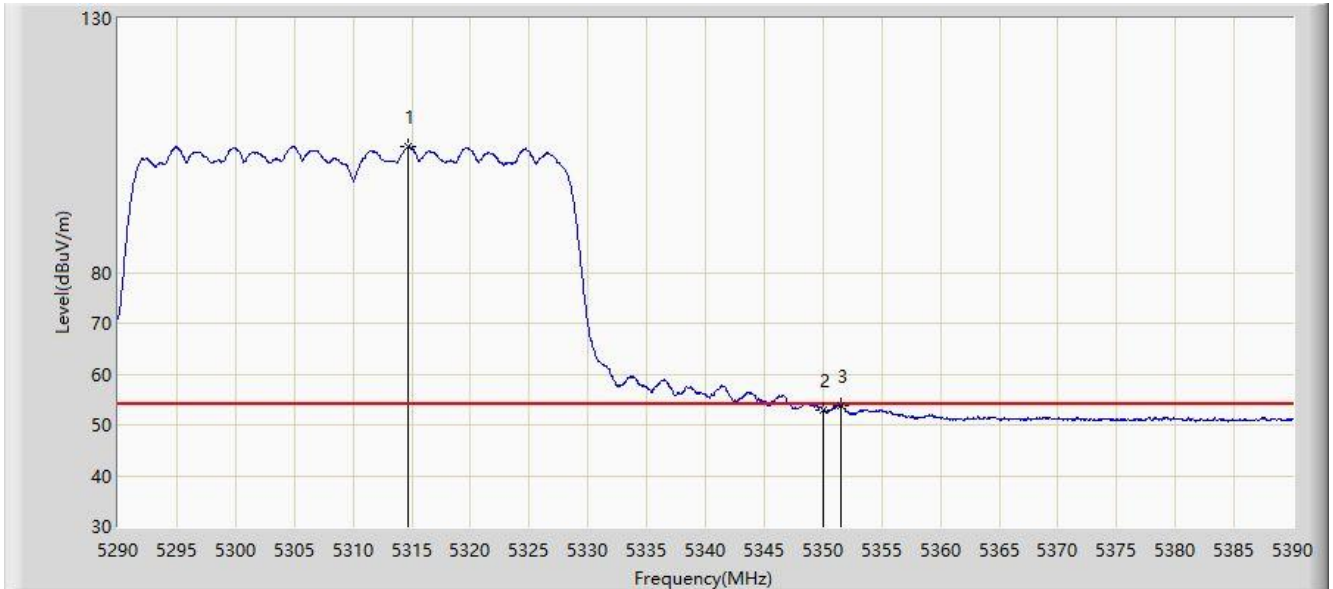
No	Flag	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB)	Type
1		*	5314.650	104.708	100.895	N/A	N/A	3.813	AV
2			5350.000	52.910	48.893	-1.090	54.000	4.017	AV
3			5351.550	53.743	49.716	-0.257	54.000	4.027	AV

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

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

| Site: WZ-AC1	Time: 2021/05/06 – 22:32
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 802.11ac-VHT40 at Channel 5510MHz	
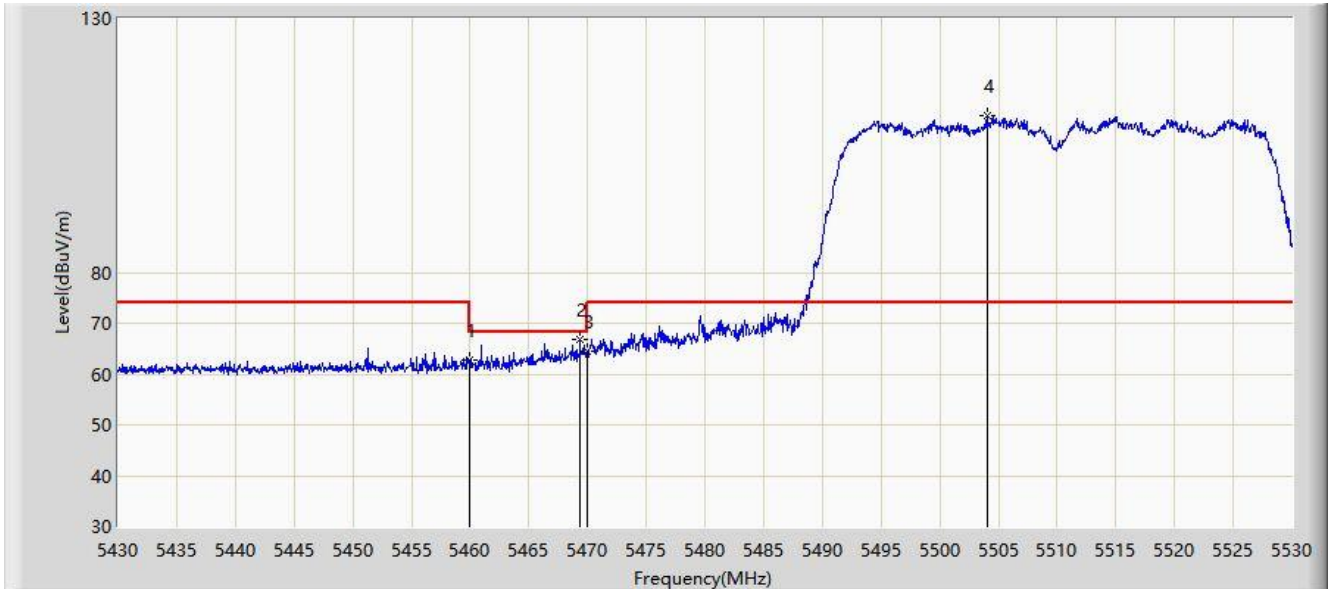
No	Flag	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB)	Type
1			5460.000	62.844	58.582	-11.156	74.000	4.261	PK
2			5469.350	66.841	62.633	-1.359	68.200	4.207	PK
3			5470.000	64.513	60.309	-3.687	68.200	4.204	PK
4		*	5504.000	110.725	106.290	N/A	N/A	4.435	PK

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

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

| Site: WZ-AC1	Time: 2021/05/06 – 22:34
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 802.11ac-VHT40 at Channel 5510MHz	
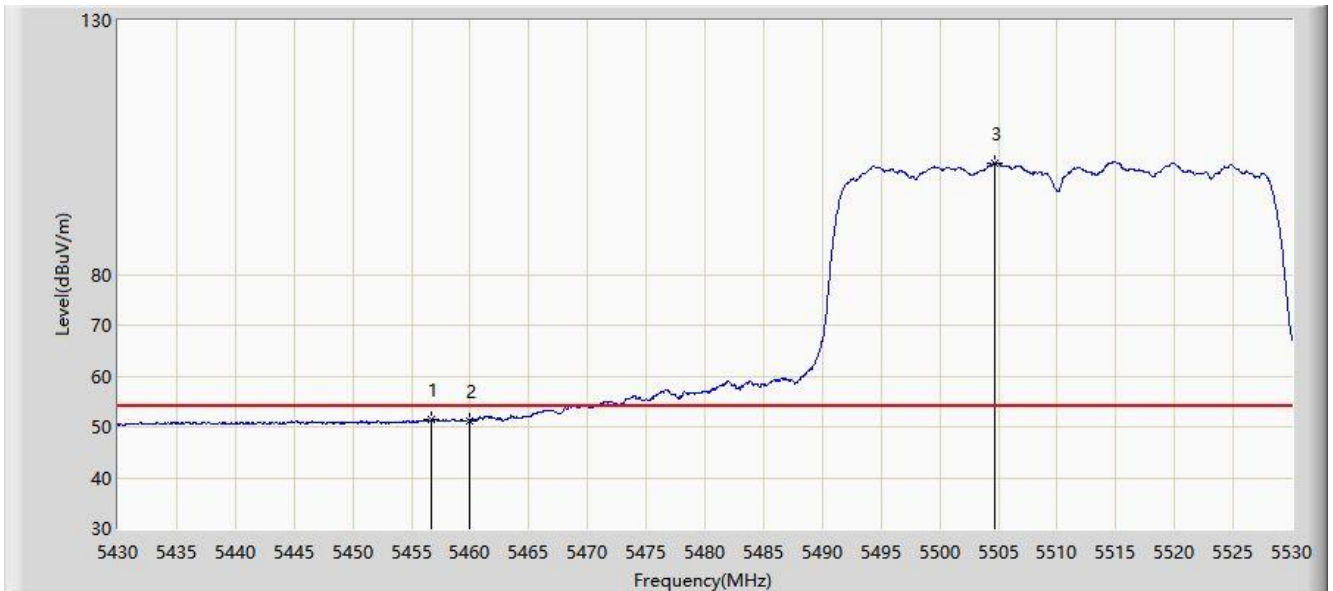
No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB)	Type
1			5456.700	51.463	47.182	-2.537	54.000	4.280	AV
2			5460.000	51.181	46.919	-2.819	54.000	4.261	AV
3		*	5504.650	101.923	97.479	N/A	N/A	4.445	AV

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

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

| Site: WZ-AC1	Time: 2021/05/06 – 22:31
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 802.11ac-VHT40 at Channel 5510MHz	
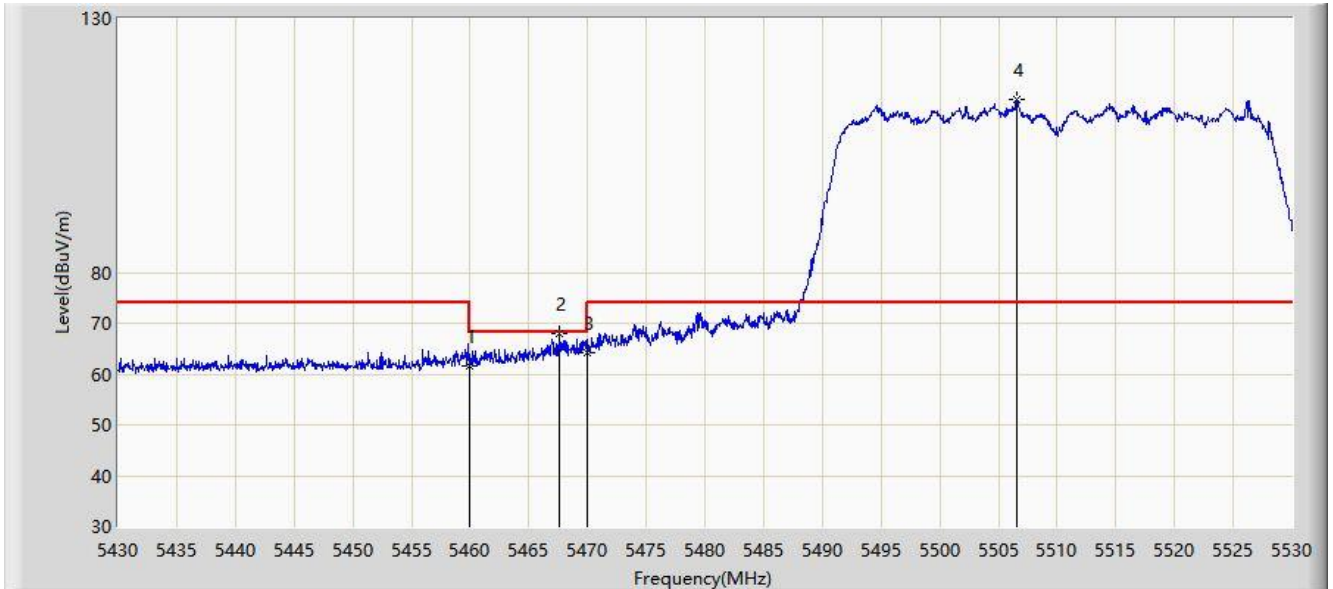
No	Flag	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB)	Type
1			5460.000	61.684	57.422	-12.316	74.000	4.261	PK
2			5467.550	68.052	63.834	-0.148	68.200	4.218	PK
3			5470.000	64.200	59.996	-4.000	68.200	4.204	PK
4		*	5506.550	114.126	109.666	N/A	N/A	4.460	PK

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

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

| Site: WZ-AC1	Time: 2021/05/06 – 22:35
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 802.11ac-VHT40 at Channel 5510MHz	
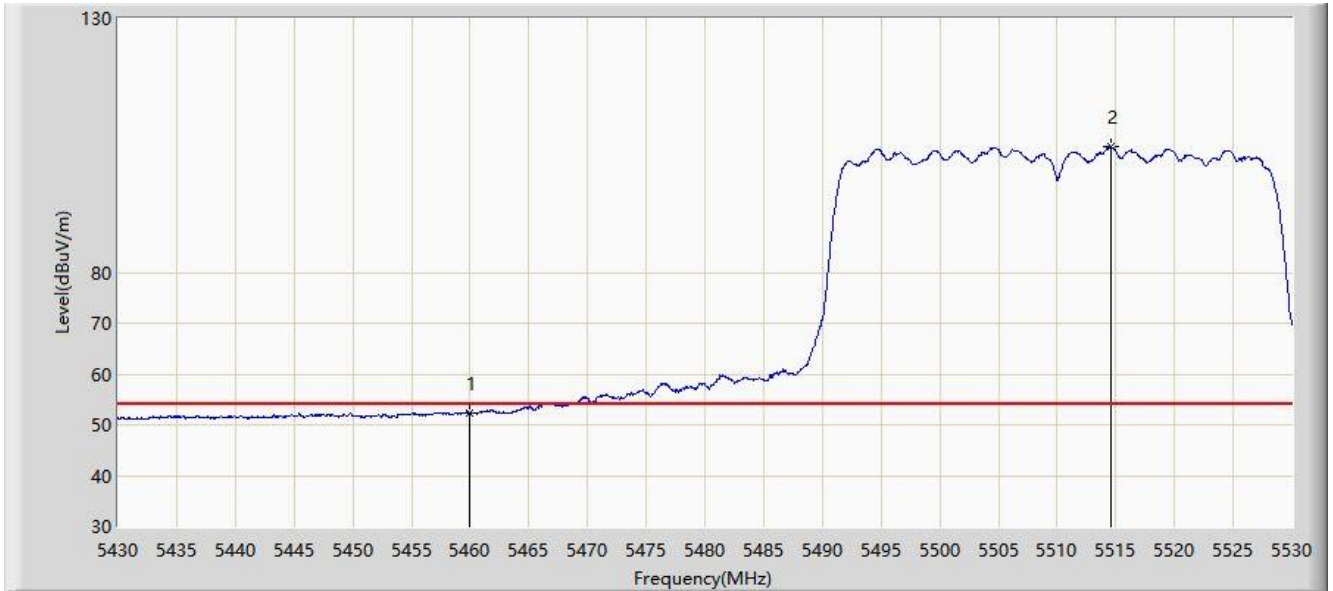
No	Flag	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB)	Type
1			5460.000	52.329	48.067	-1.671	54.000	4.261	AV
2		*	5514.550	104.696	100.196	N/A	N/A	4.500	AV

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

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

| Site: WZ-AC1	Time: 2021/05/06 – 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 802.11ac-VHT40 at Channel 5670MHz	
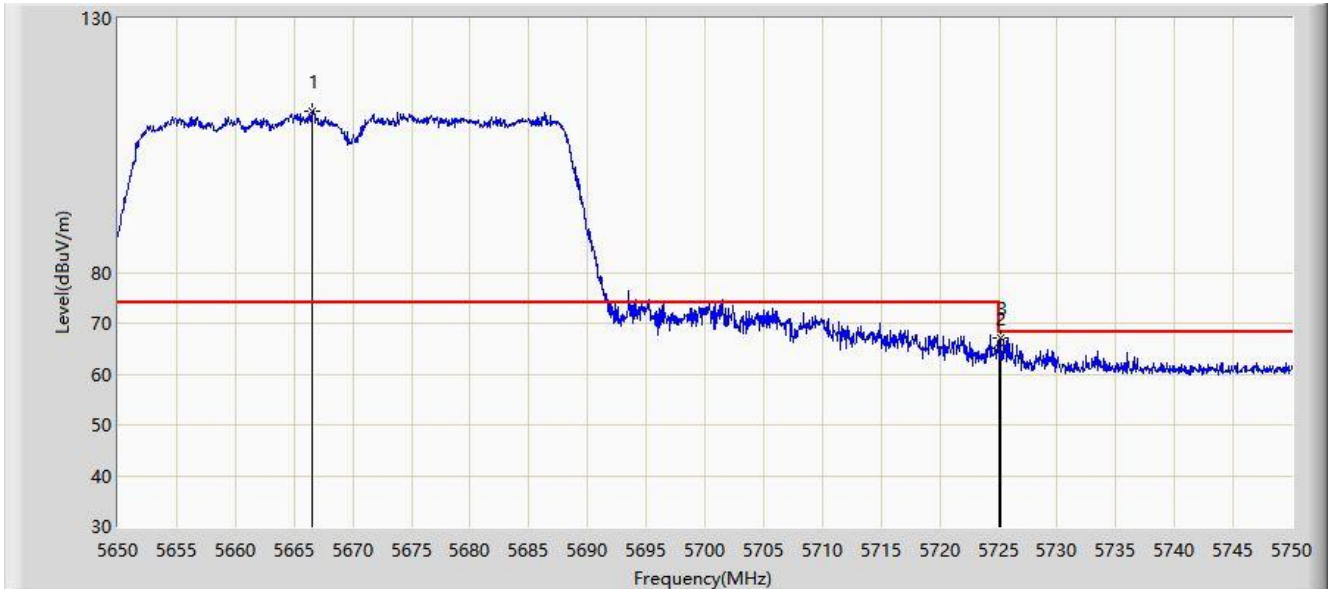
No	Flag	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB)	Type
1		*	5666.500	111.702	107.175	N/A	N/A	4.527	PK
2			5725.000	65.009	60.498	-3.191	68.200	4.511	PK
3			5725.200	67.184	62.673	-1.016	68.200	4.511	PK

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

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

Site: WZ-AC1	Time: 2021/05/06 – 22:41
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 802.11ac-VHT40 at Channel 5670MHz	
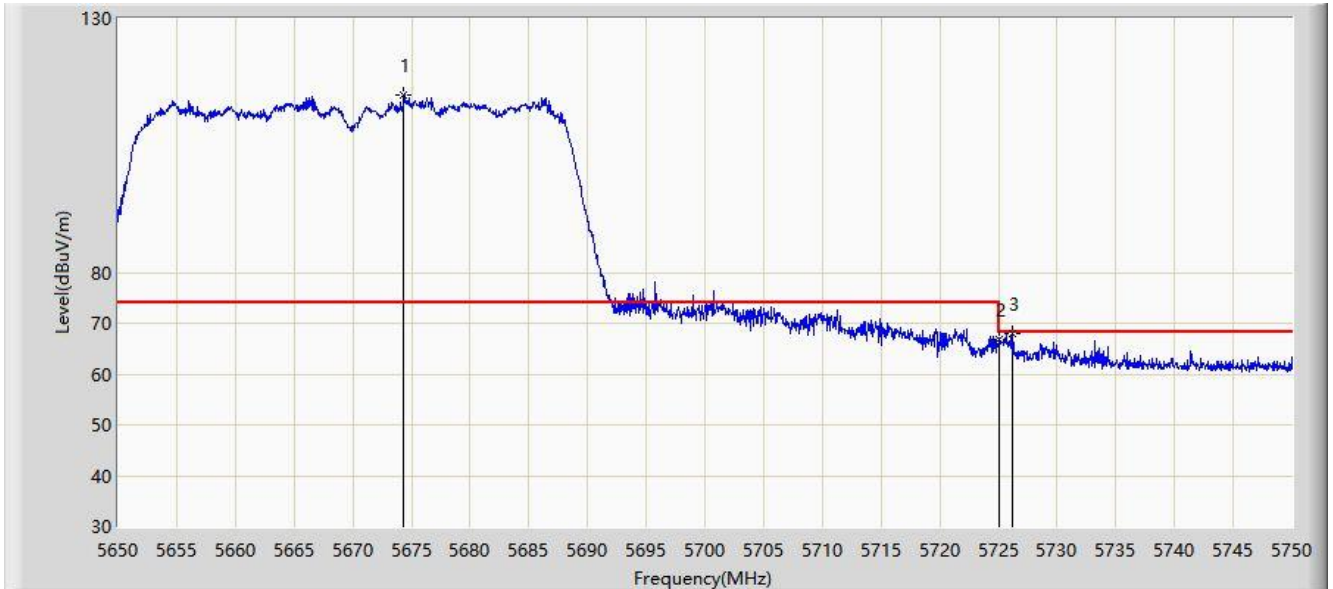
No	Flag	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB)	Type
1		*	5674.300	114.914	110.286	N/A	N/A	4.628	PK
2			5725.000	66.786	62.275	-1.414	68.200	4.511	PK
3			5726.250	67.852	63.339	-0.348	68.200	4.513	PK

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

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

| Site: WZ-AC1	Time: 2021/05/06 – 22:55
Limit: FCC_Part15.407_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 802.11ac-VHT40 at Channel 5755MHz	
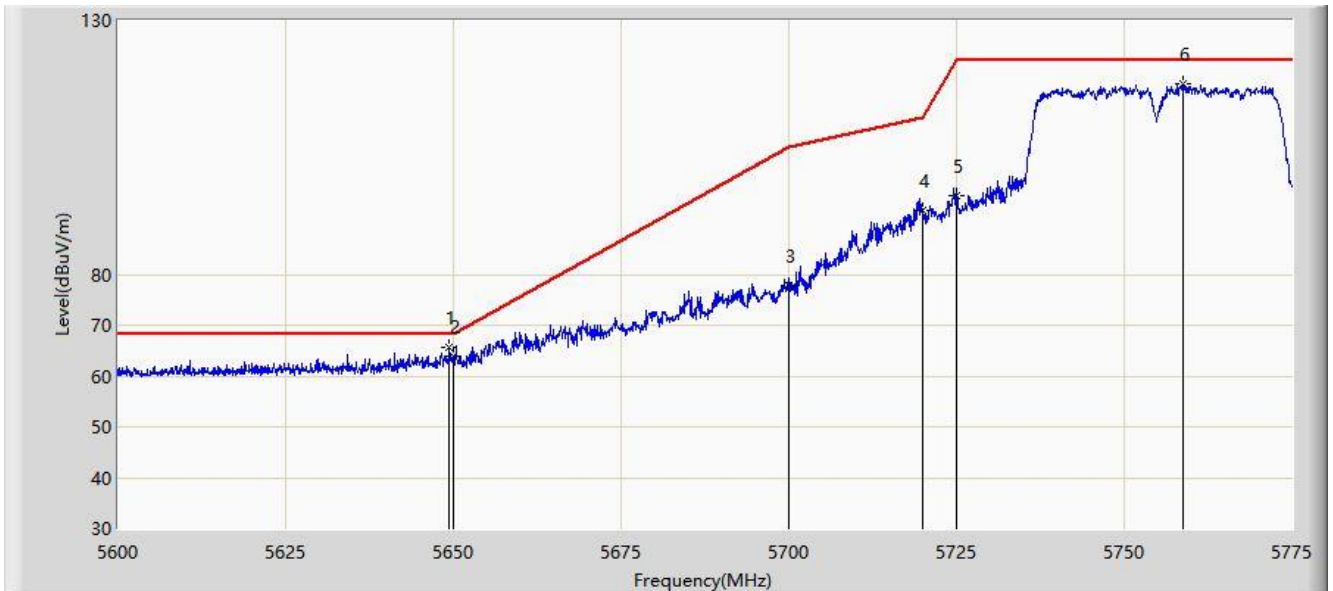
No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB)	Type
1		*	5649.437	65.589	61.259	-2.611	68.200	4.329	PK
2			5650.000	63.836	59.503	-4.364	68.200	4.333	PK
3			5700.000	77.848	73.296	-27.352	105.200	4.551	PK
4			5720.000	92.516	88.003	-18.284	110.800	4.513	PK
5			5725.000	95.600	91.089	-26.600	122.200	4.511	PK
6			5758.725	117.408	112.748	N/A	N/A	4.660	PK

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

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

| Site: WZ-AC1	Time: 2021/05/06 – 22:53
Limit: FCC_Part15.407_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 802.11ac-VHT40 at Channel 5755MHz	
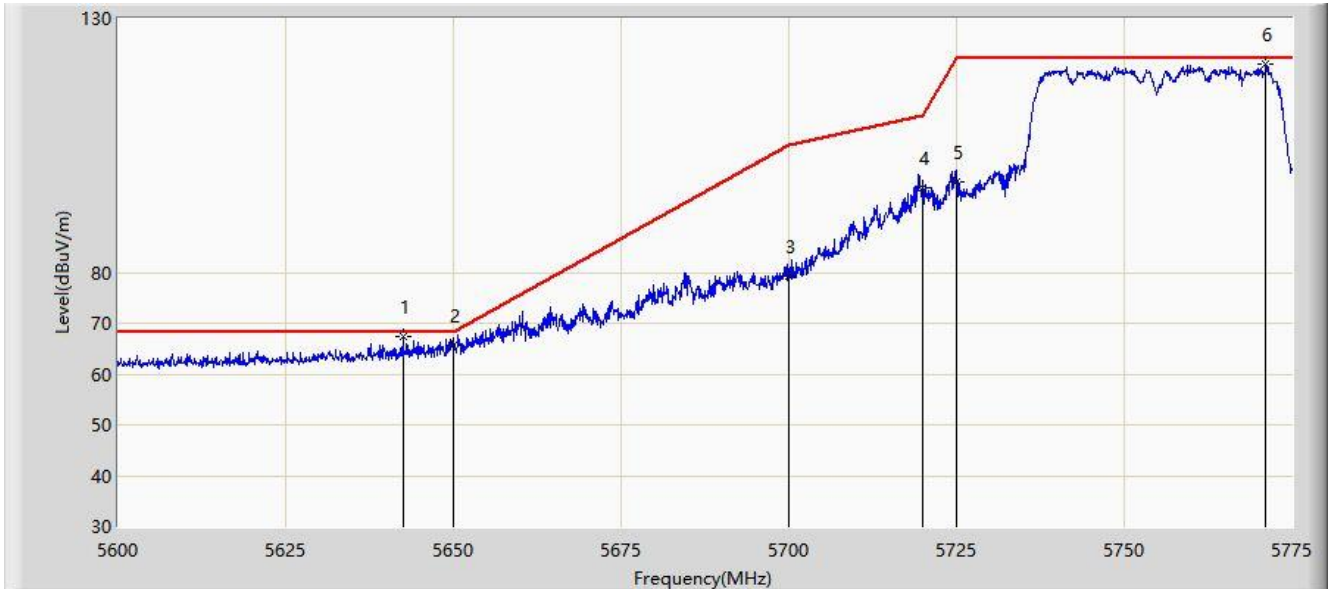
No	Flag	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB)	Type
1		*	5642.437	67.408	63.116	-0.792	68.200	4.292	PK
2			5650.000	65.767	61.434	-2.433	68.200	4.333	PK
3			5700.000	79.360	74.808	-25.840	105.200	4.551	PK
4			5720.000	96.788	92.275	-14.012	110.800	4.513	PK
5			5725.000	97.793	93.282	-24.407	122.200	4.511	PK
6			5771.150	120.981	116.258	N/A	N/A	4.723	PK

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

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

| Site: WZ-AC1	Time: 2021/05/06 – 23:00
Limit: FCC_Part15.407_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 802.11ac-VHT40 at Channel 5795MHz	
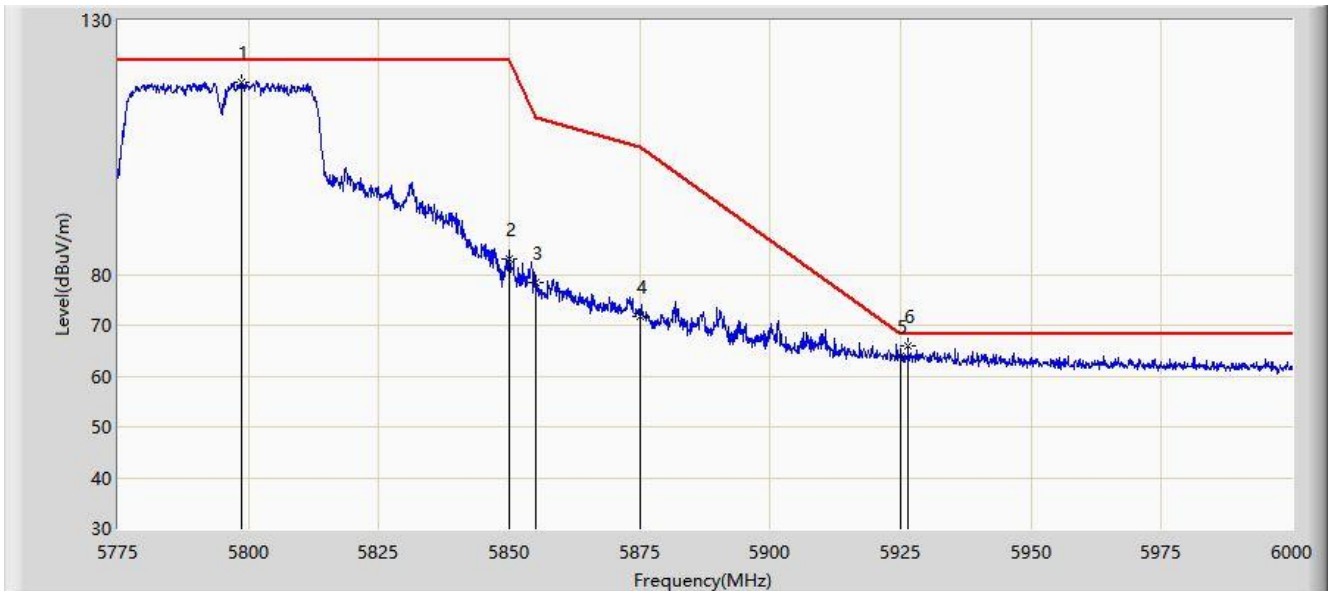
No	Flag	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB)	Type
1			5798.737	117.919	113.346	N/A	N/A	4.574	PK
2			5850.000	82.941	78.146	-39.259	122.200	4.795	PK
3			5855.000	78.509	73.713	-32.291	110.800	4.796	PK
4			5875.000	71.606	66.816	-33.594	105.200	4.790	PK
5			5925.000	63.891	58.828	-4.309	68.200	5.063	PK
6		*	5926.538	65.963	60.902	-2.237	68.200	5.061	PK

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

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

| Site: WZ-AC1	Time: 2021/05/06 – 22:58
Limit: FCC_Part15.407_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 802.11ac-VHT40 at Channel 5795MHz	
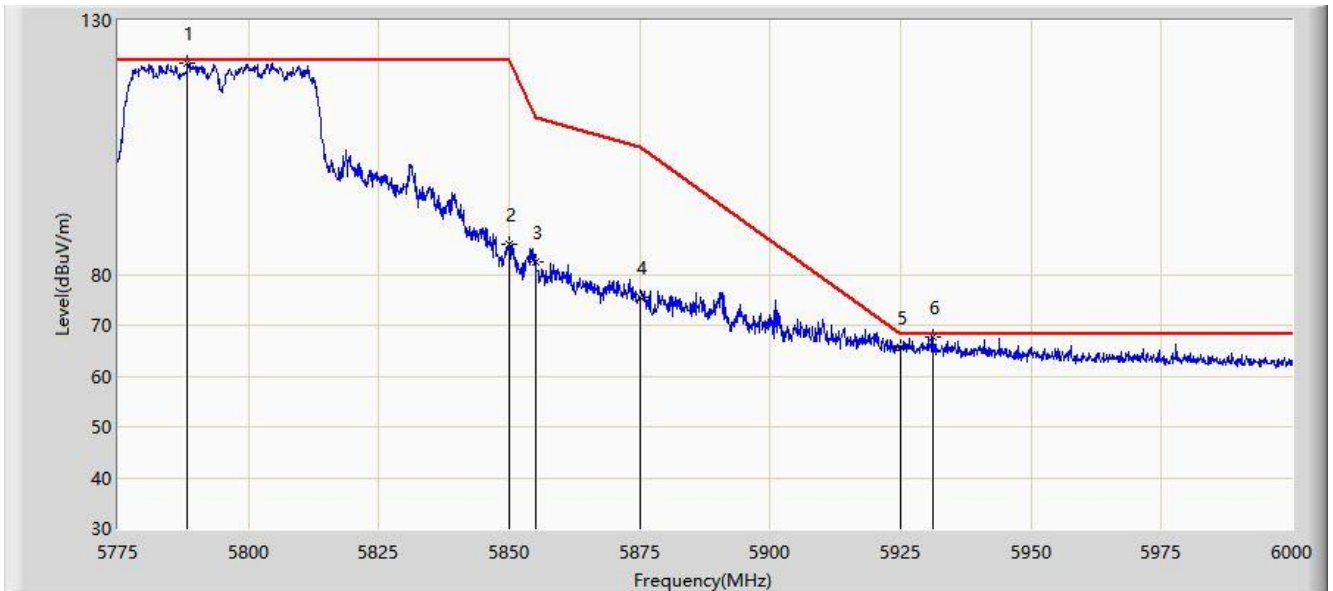
No	Flag	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB)	Type
1			5788.388	121.618	116.953	N/A	N/A	4.666	PK
2			5850.000	86.034	81.239	-36.166	122.200	4.795	PK
3			5855.000	82.451	77.655	-28.349	110.800	4.796	PK
4			5875.000	75.488	70.698	-29.712	105.200	4.790	PK
5			5925.000	65.544	60.481	-2.656	68.200	5.063	PK
6		*	5931.263	67.701	62.660	-0.499	68.200	5.041	PK

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

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

| Site: WZ-AC1	Time: 2021/05/06 – 23:19
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 802.11ac-VHT80 at Channel 5210MHz	
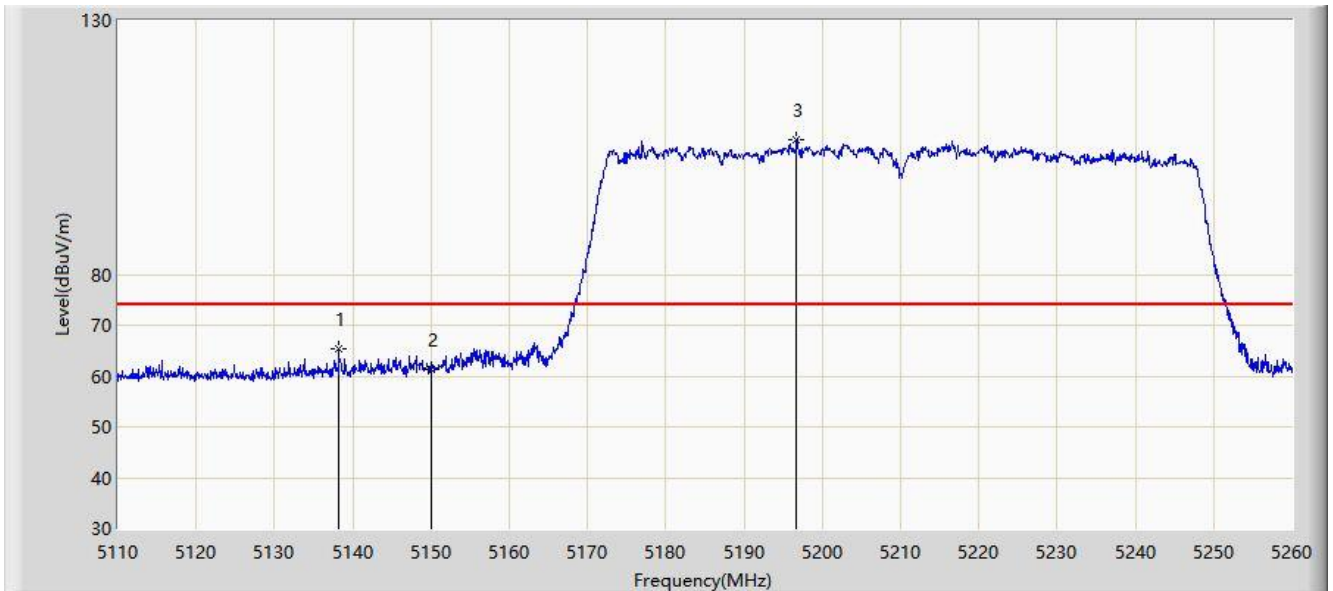
No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB)	Type
1			5138.200	65.392	61.343	-8.608	74.000	4.050	PK
2			5150.000	61.242	57.213	-12.758	74.000	4.029	PK
3		*	5196.700	106.561	102.507	N/A	N/A	4.054	PK

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

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

| Site: WZ-AC1	Time: 2021/05/06 – 23:17
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 802.11ac-VHT80 at Channel 5210MHz	
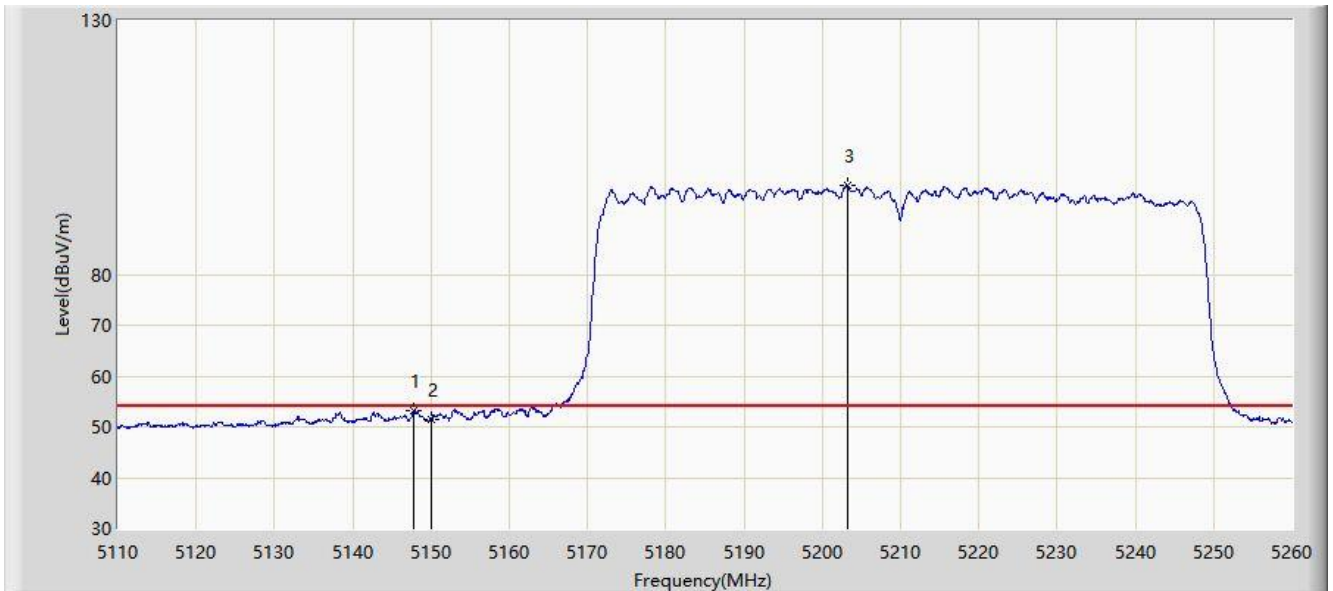
No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB)	Type
1			5147.875	53.307	49.286	-0.693	54.000	4.021	AV
2			5150.000	51.580	47.551	-2.420	54.000	4.029	AV
3		*	5203.150	97.594	93.550	N/A	N/A	4.044	AV

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

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

| Site: WZ-AC1	Time: 2021/05/06 – 23:21
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 802.11ac-VHT80 at Channel 5210MHz	
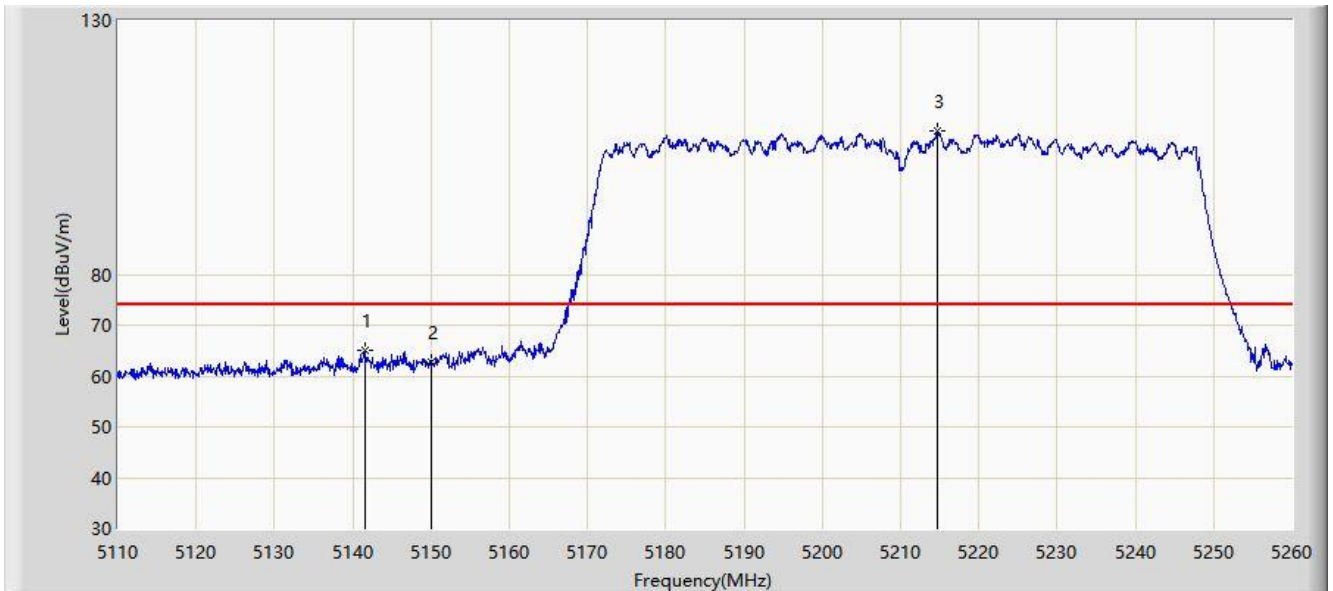
No	Flag	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB)	Type
1			5141.575	64.979	60.939	-9.021	74.000	4.040	PK
2			5150.000	62.824	58.795	-11.176	74.000	4.029	PK
3		*	5214.775	108.359	104.358	N/A	N/A	4.002	PK

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

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

| Site: WZ-AC1	Time: 2021/05/06 – 23:13
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 802.11ac-VHT80 at Channel 5210MHz	
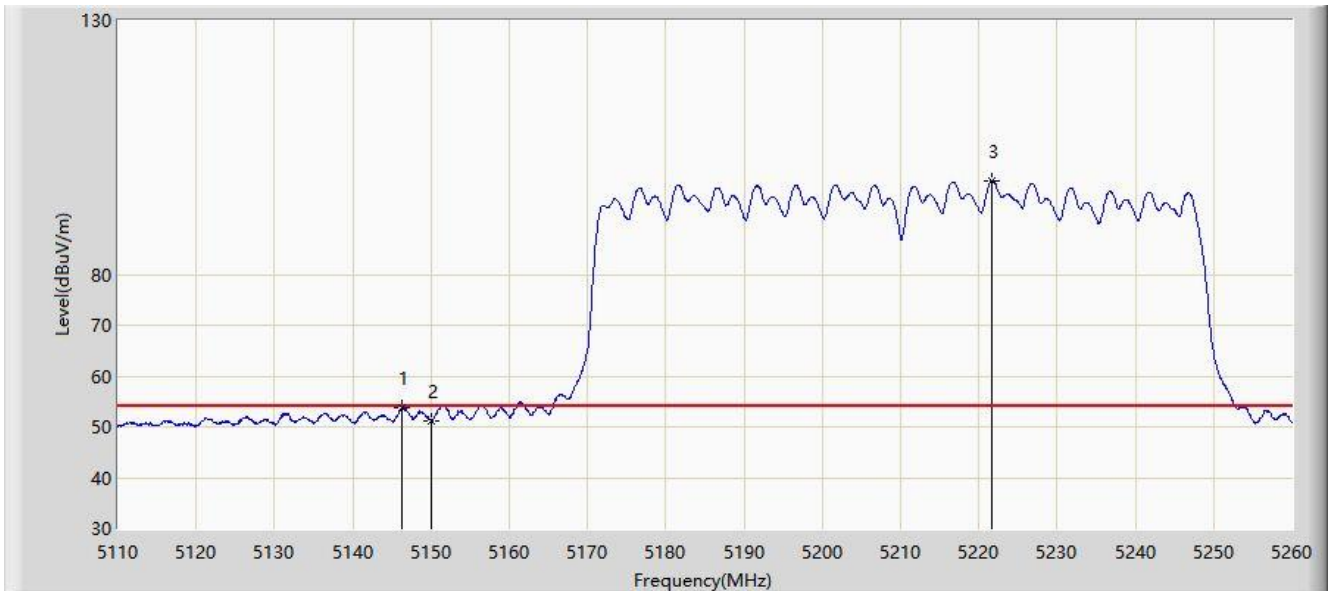
No	Flag	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB)	Type
1			5146.225	53.831	49.805	-0.169	54.000	4.026	AV
2			5150.000	51.292	47.263	-2.708	54.000	4.029	AV
3		*	5221.675	98.493	94.504	N/A	N/A	3.990	AV

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

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

| Site: WZ-AC1	Time: 2021/05/06 – 23:31
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 802.11ac-VHT80 at Channel 5290MHz	
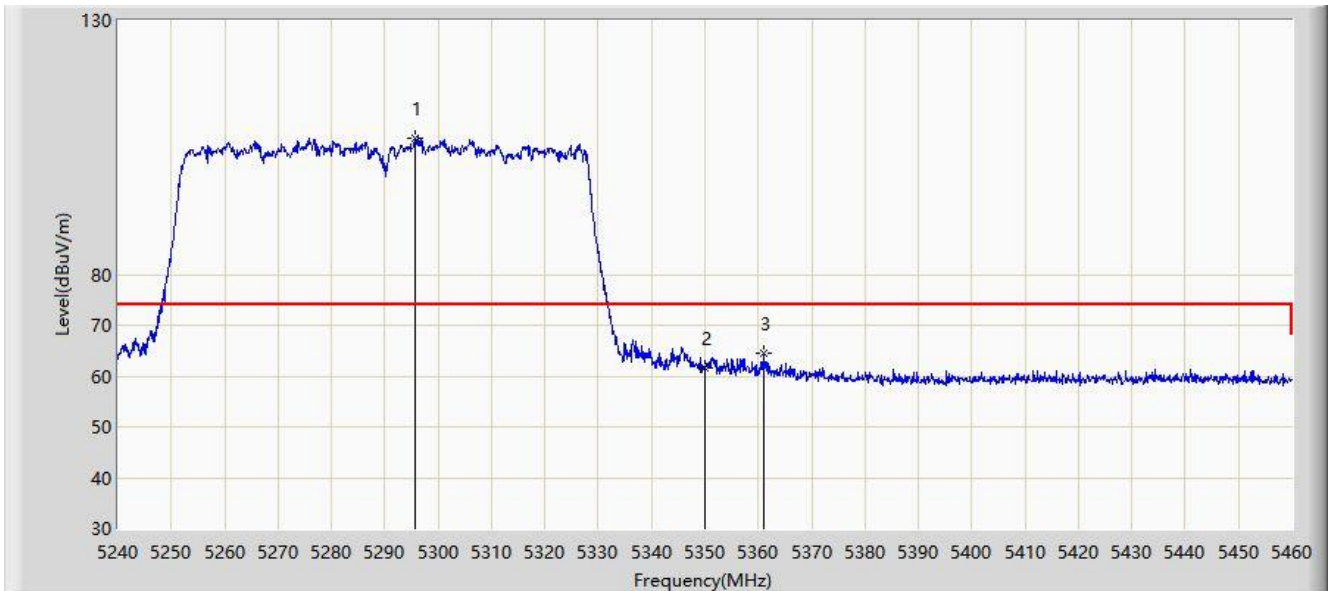
No	Flag	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB)	Type
1		*	5295.660	106.933	103.182	N/A	N/A	3.751	PK
2			5350.000	61.592	57.575	-12.408	74.000	4.017	PK
3			5360.890	64.420	60.405	-9.580	74.000	4.015	PK

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

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

| Site: WZ-AC1	Time: 2021/05/06 – 23:30
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 802.11ac-VHT80 at Channel 5290MHz	
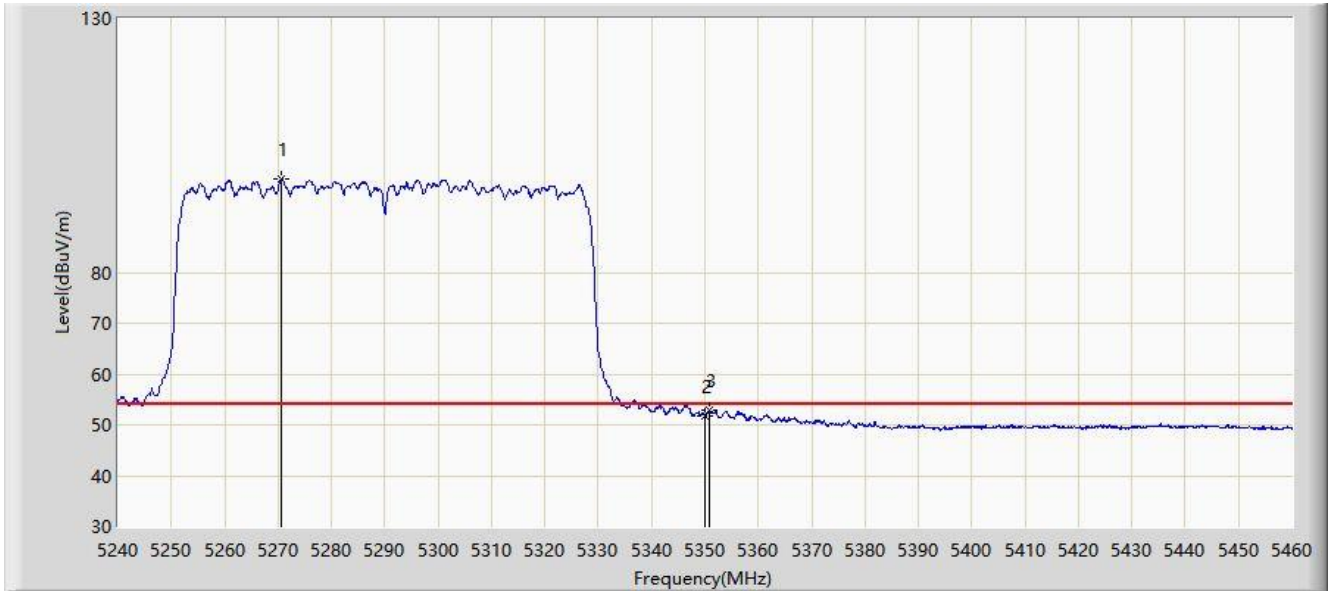
No	Flag	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB)	Type
1		*	5270.580	98.261	94.293	N/A	N/A	3.969	AV
2			5350.000	51.742	47.725	-2.258	54.000	4.017	AV
3			5350.880	52.774	48.751	-1.226	54.000	4.023	AV

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

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

| Site: WZ-AC1	Time: 2021/05/06 – 23:33
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 802.11ac-VHT80 at Channel 5290MHz	
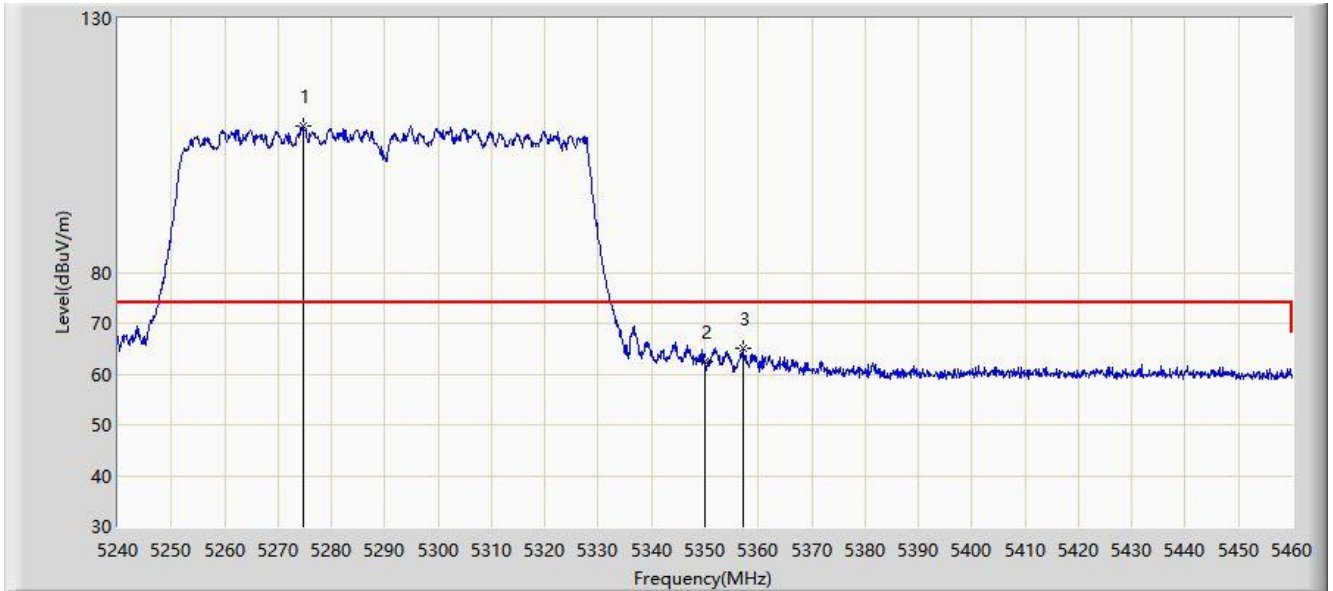
No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB)	Type
1		*	5274.650	108.899	104.958	N/A	N/A	3.942	PK
2			5350.000	62.446	58.429	-11.554	74.000	4.017	PK
3			5357.260	64.968	60.947	-9.032	74.000	4.021	PK

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

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

Site: WZ-AC1	Time: 2021/05/06 – 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 802.11ac-VHT80 at Channel 5290MHz	
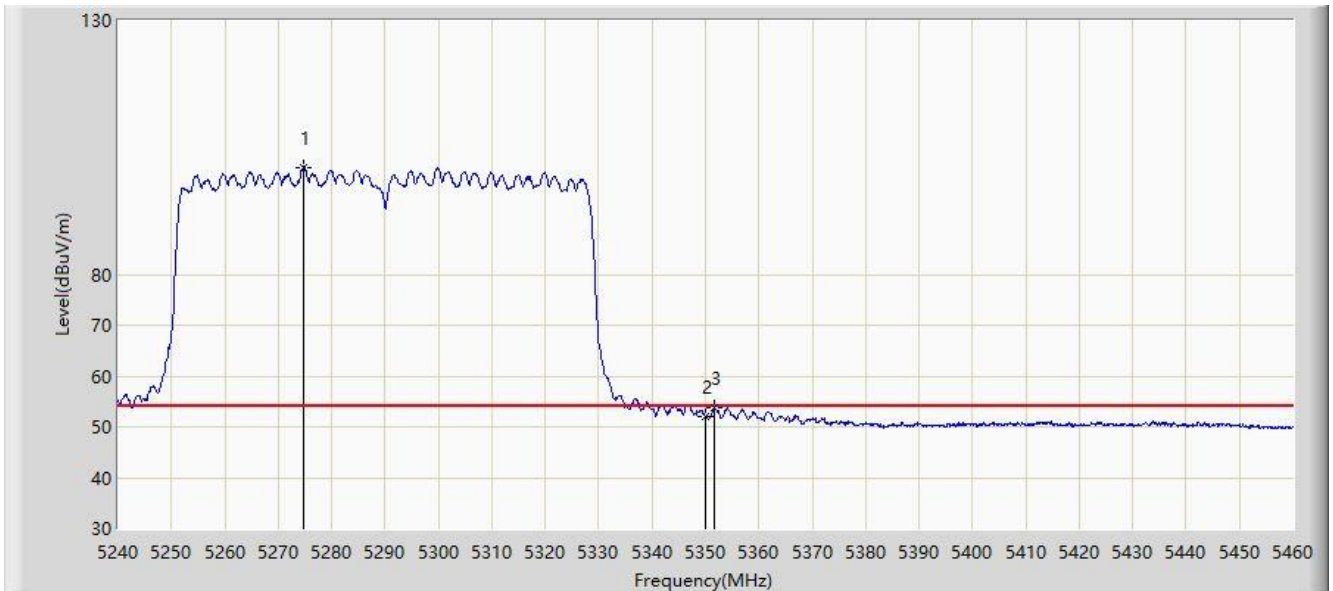
No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB)	Type
1		*	5274.760	101.069	97.129	N/A	N/A	3.940	AV
2			5350.000	52.148	48.131	-1.852	54.000	4.017	AV
3			5351.760	53.779	49.751	-0.221	54.000	4.028	AV

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

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

| Site: WZ-AC1	Time: 2021/05/06 – 23:52
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 802.11ac-VHT80 at Channel 5530MHz	
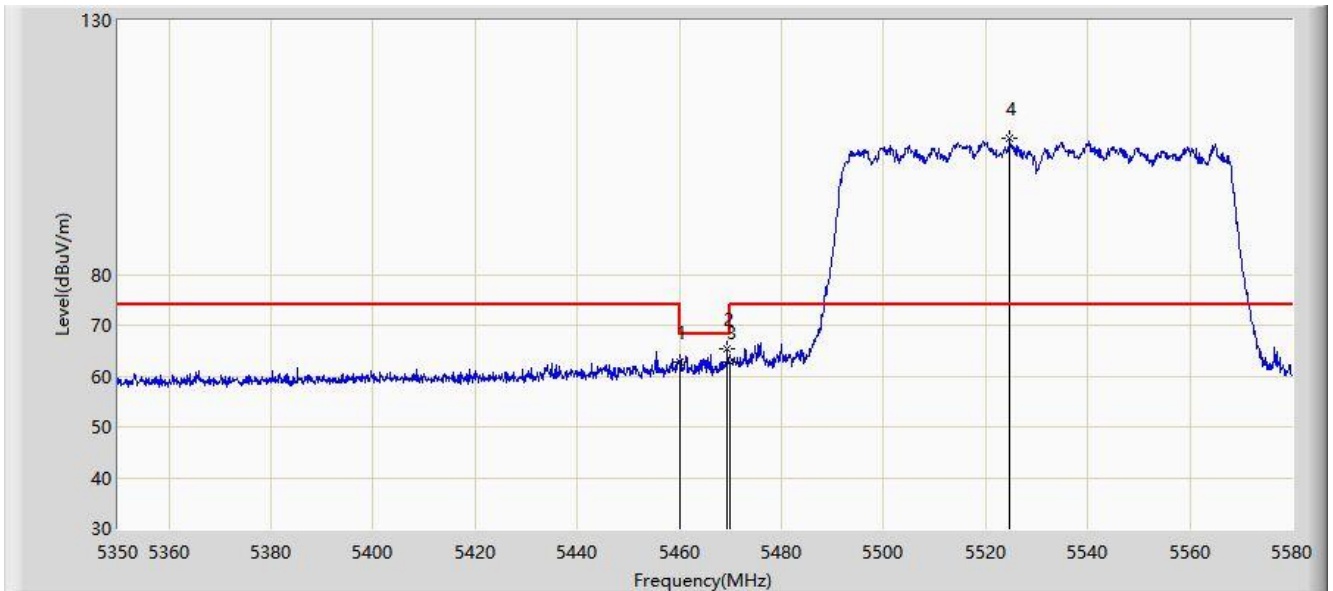
No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB)	Type
1			5460.000	62.630	58.368	-11.370	74.000	4.261	PK
2			5469.370	65.352	61.144	-2.848	68.200	4.207	PK
3			5470.000	62.745	58.541	-5.455	68.200	4.204	PK
4		*	5524.800	106.771	102.264	N/A	N/A	4.507	PK

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

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

| Site: WZ-AC1	Time: 2021/05/06 – 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 802.11ac-VHT80 at Channel 5530MHz	
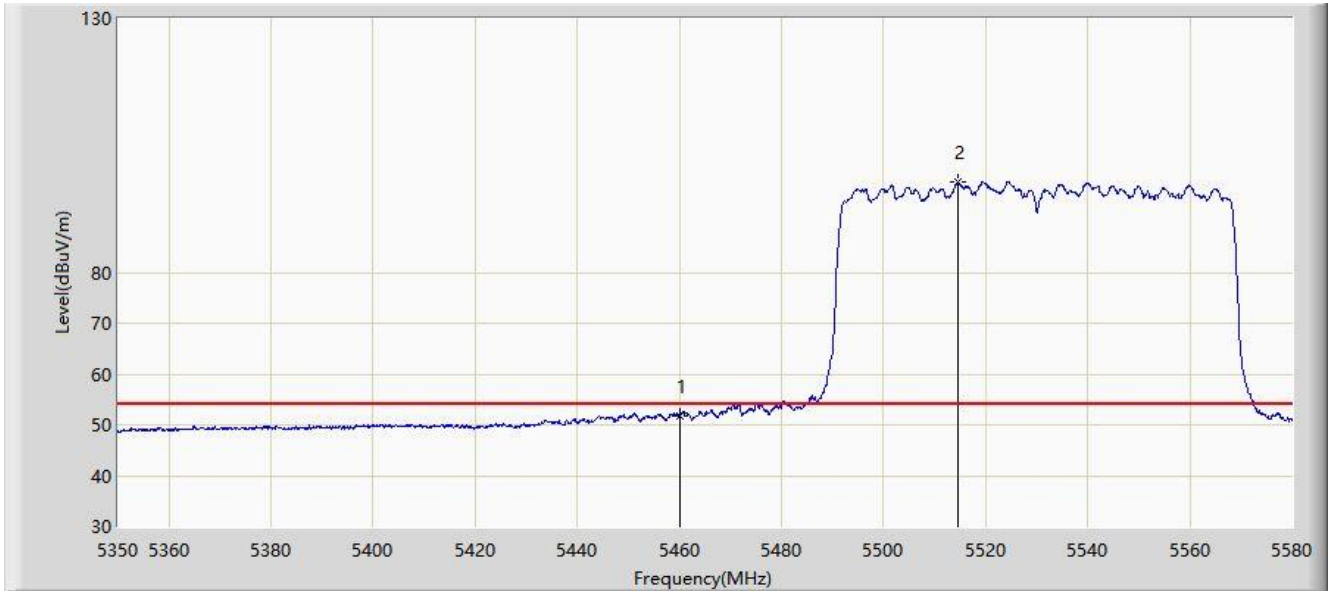
No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB)	Type
1			5460.000	51.846	47.584	-2.154	54.000	4.261	AV
2		*	5514.565	97.870	93.370	N/A	N/A	4.500	AV

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

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

| Site: WZ-AC1	Time: 2021/05/06 – 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 802.11ac-VHT80 at Channel 5530MHz	
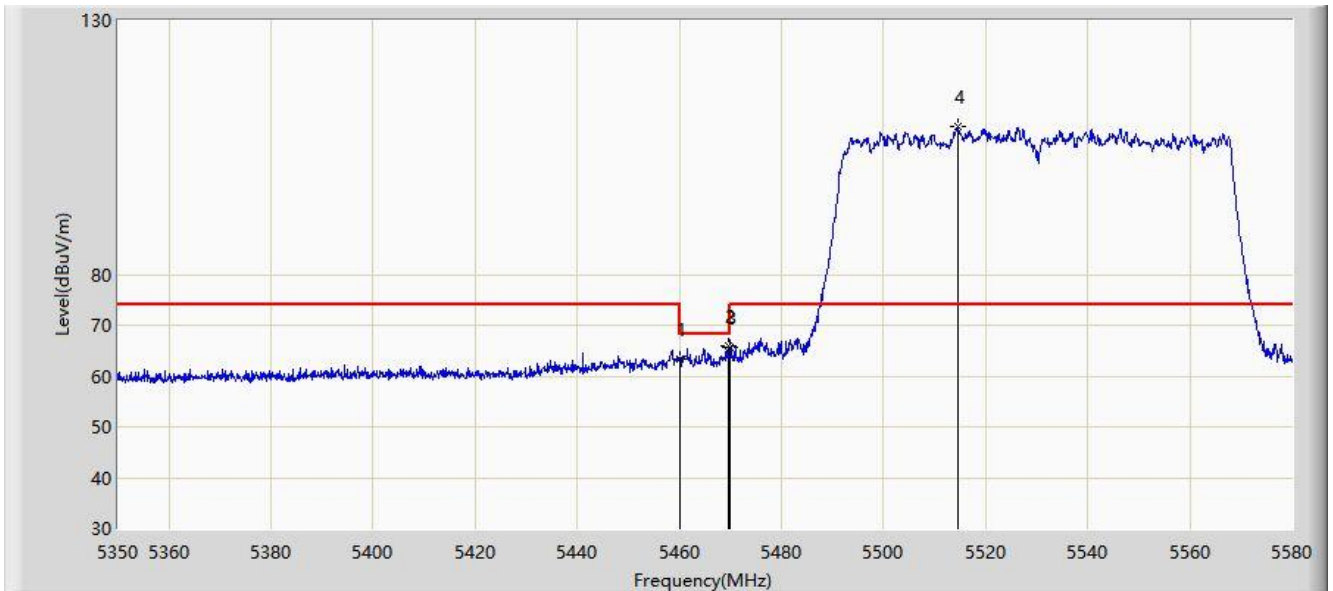
No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB)	Type
1			5460.000	63.328	59.066	-10.672	74.000	4.261	PK
2			5469.600	65.992	61.785	-2.208	68.200	4.207	PK
3			5470.000	65.557	61.353	-2.643	68.200	4.204	PK
4		*	5514.450	109.093	104.593	N/A	N/A	4.500	PK

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

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

| Site: WZ-AC1	Time: 2021/05/06 – 23:49
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 802.11ac-VHT80 at Channel 5530MHz	
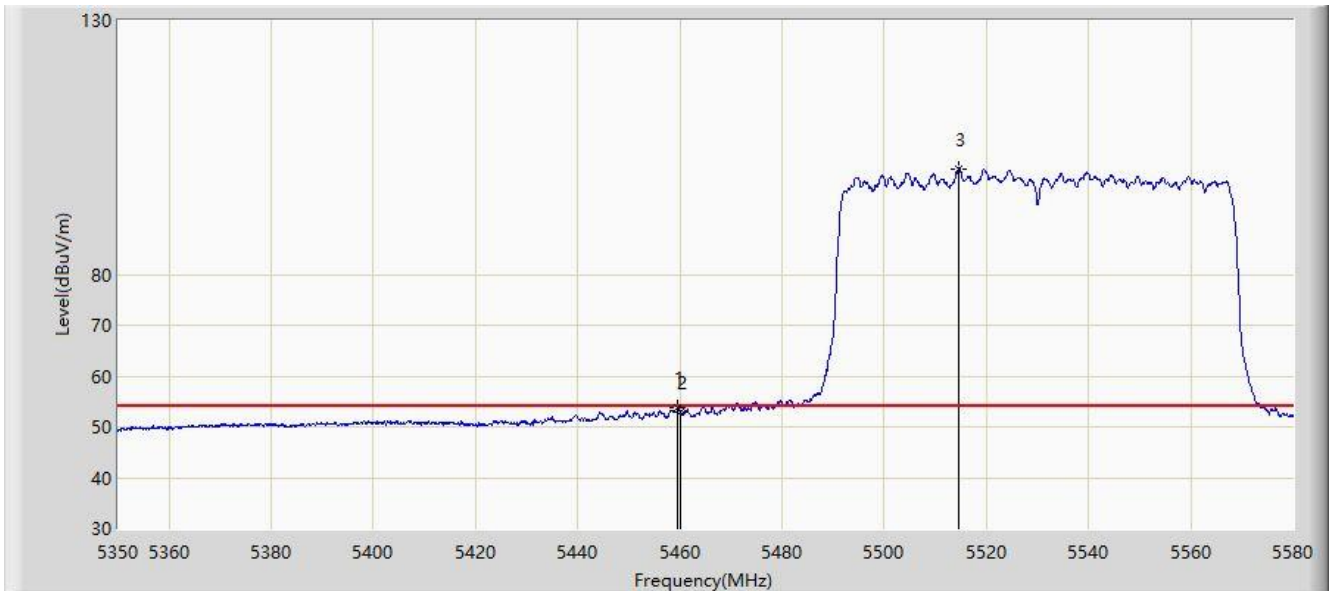
No	Flag	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB)	Type
1			5459.480	53.819	49.554	-0.181	54.000	4.265	AV
2			5460.000	53.016	48.754	-0.984	54.000	4.261	AV
3		*	5514.450	100.860	96.360	N/A	N/A	4.500	AV

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

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

| Site: WZ-AC1	Time: 2021/05/07 – 00:03
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 802.11ac-VHT80 at Channel 5610MHz	
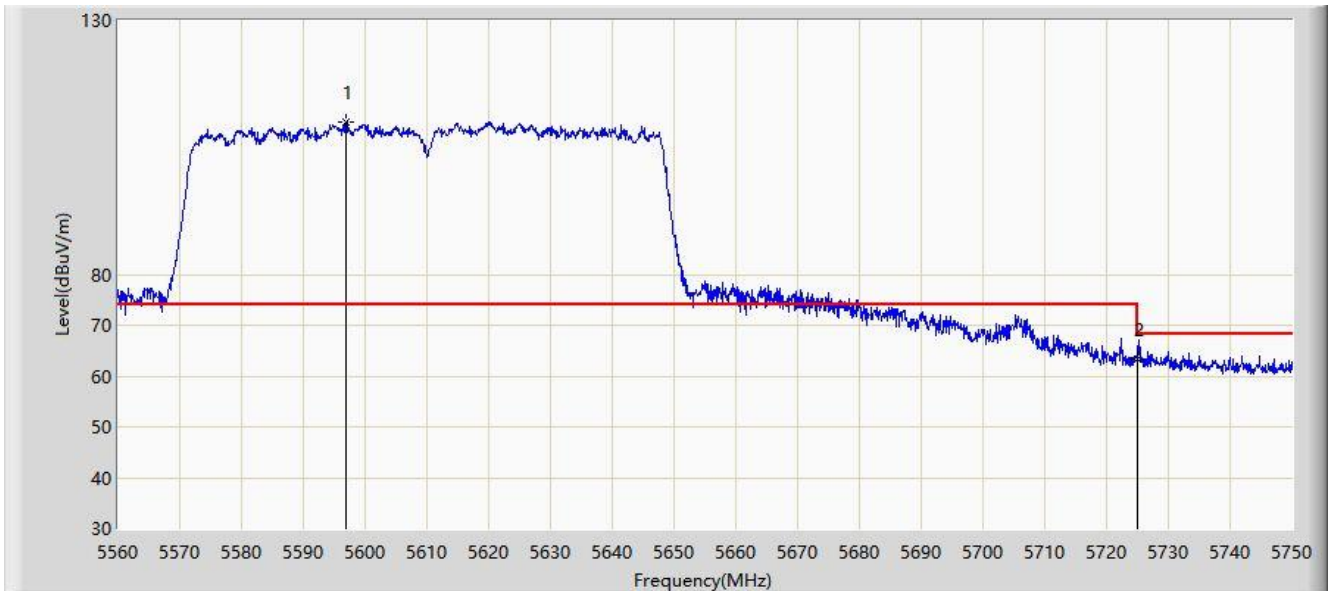
No	Flag	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB)	Type
1		*	5596.860	110.010	105.621	N/A	N/A	4.389	PK
2			5725.000	63.328	58.817	-4.872	68.200	4.511	PK

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

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

| Site: WZ-AC1	Time: 2021/05/07 – 00:01
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 802.11ac-VHT80 at Channel 5610MHz	
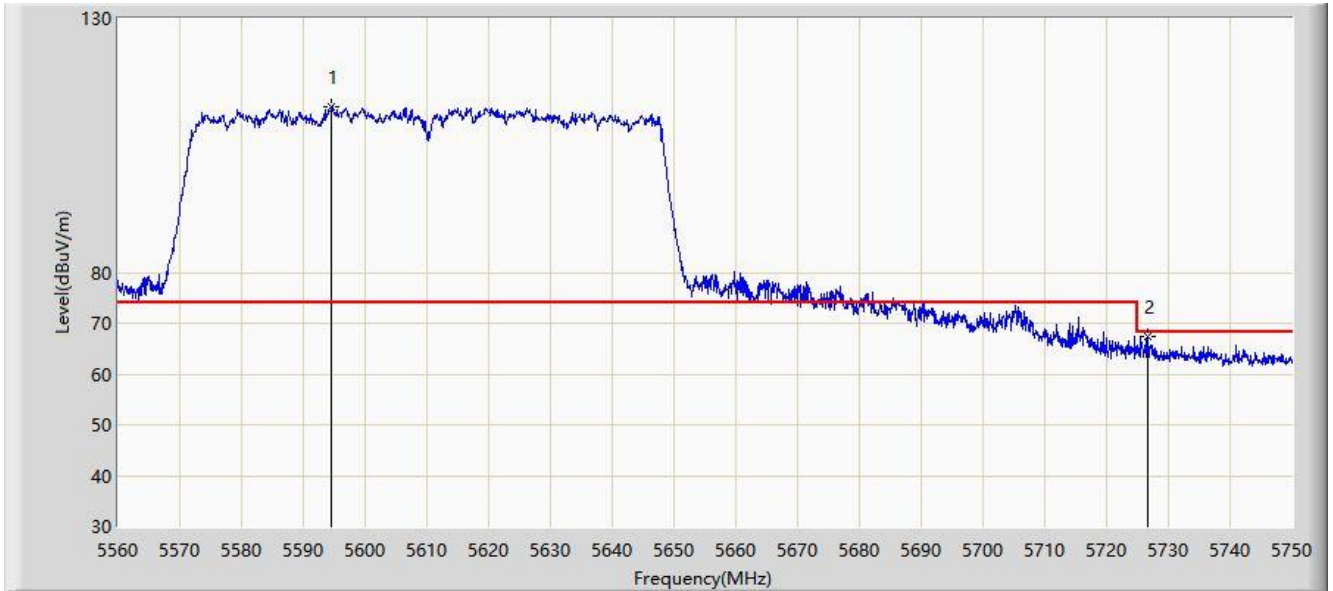
No	Flag	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB)	Type
1		*	5594.580	112.595	108.203	N/A	N/A	4.393	PK
2			5726.630	67.459	62.944	-0.741	68.200	4.515	PK

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

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

Site: WZ-AC1	Time: 2021/05/07 – 00:12
Limit: FCC_Part15.407_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 802.11ac-VHT80 at Channel 5775MHz	
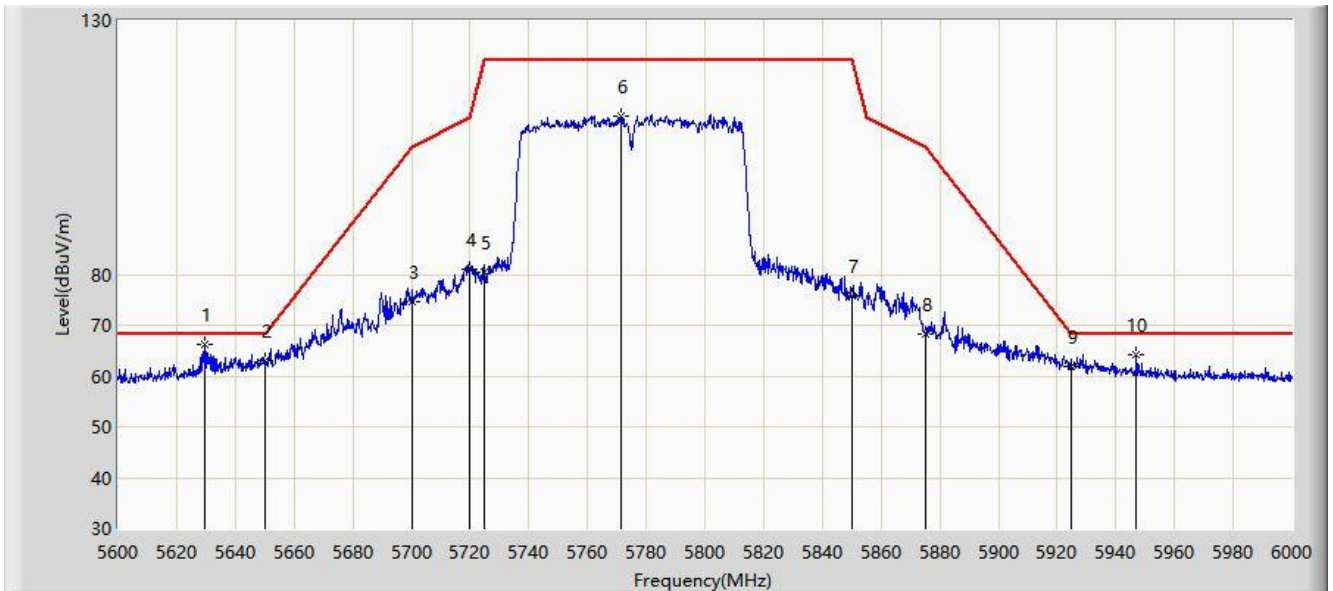
No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB)	Type
1		*	5629.400	66.148	61.736	-2.052	68.200	4.411	PK
2			5650.000	63.127	58.794	-5.073	68.200	4.333	PK
3			5700.000	74.634	70.082	-30.566	105.200	4.551	PK
4			5720.000	80.972	76.459	-29.828	110.800	4.513	PK
5			5725.000	80.325	75.814	-41.875	122.200	4.511	PK
6			5771.600	111.223	106.498	N/A	N/A	4.725	PK
7			5850.000	75.795	71.000	-46.405	122.200	4.795	PK
8			5875.000	68.314	63.524	-36.886	105.200	4.790	PK
9			5925.000	61.979	56.916	-6.221	68.200	5.063	PK
10			5947.000	64.138	59.265	-4.062	68.200	4.873	PK

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

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

| Site: WZ-AC1	Time: 2021/05/07 – 00:10
Limit: FCC_Part15.407_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 802.11ac-VHT80 at Channel 5775MHz	
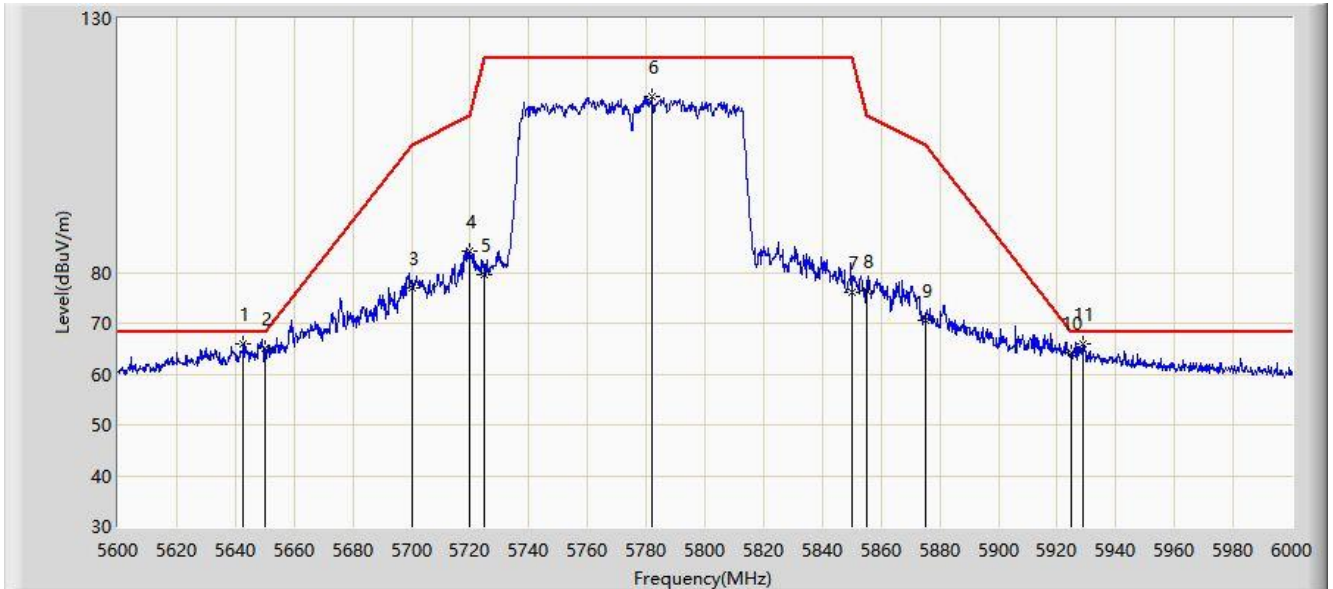
No	Flag	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB)	Type
1		*	5642.800	65.987	61.693	-2.213	68.200	4.295	PK
2			5650.000	65.051	60.718	-3.149	68.200	4.333	PK
3			5700.000	77.087	72.535	-28.113	105.200	4.551	PK
4			5720.000	84.218	79.705	-26.582	110.800	4.513	PK
5			5725.000	79.614	75.103	-42.586	122.200	4.511	PK
6			5782.000	114.665	109.933	N/A	N/A	4.733	PK
7			5850.000	76.080	71.285	-46.120	122.200	4.795	PK
8			5855.000	76.391	71.595	-34.409	110.800	4.796	PK
9			5875.000	70.537	65.747	-34.663	105.200	4.790	PK
10			5925.000	64.314	59.251	-3.886	68.200	5.063	PK
11			5928.800	65.924	60.866	-2.276	68.200	5.057	PK

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

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

| Site: WZ-AC1	Time: 2021/05/07 – 23:43
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 802.11ac-VHT160 at Channel 5250MHz	
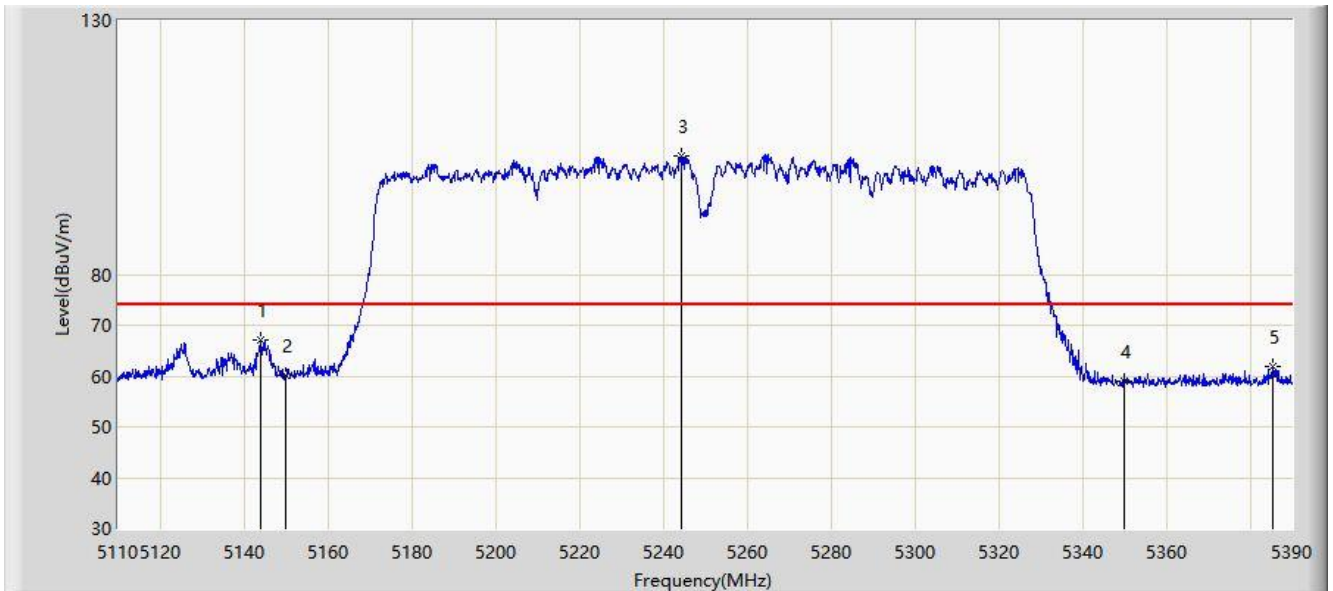
No	Flag	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB)	Type
1			5144.020	67.032	63.000	-6.968	74.000	4.032	PK
2			5150.000	60.131	56.102	-13.869	74.000	4.029	PK
3		*	5244.540	103.465	99.671	N/A	N/A	3.794	PK
4			5350.000	59.092	55.075	-14.908	74.000	4.017	PK
5			5385.380	61.997	57.956	-12.003	74.000	4.040	PK

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

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

| Site: WZ-AC1	Time: 2021/05/07 – 23:48
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 802.11ac-VHT160 at Channel 5570MHz	
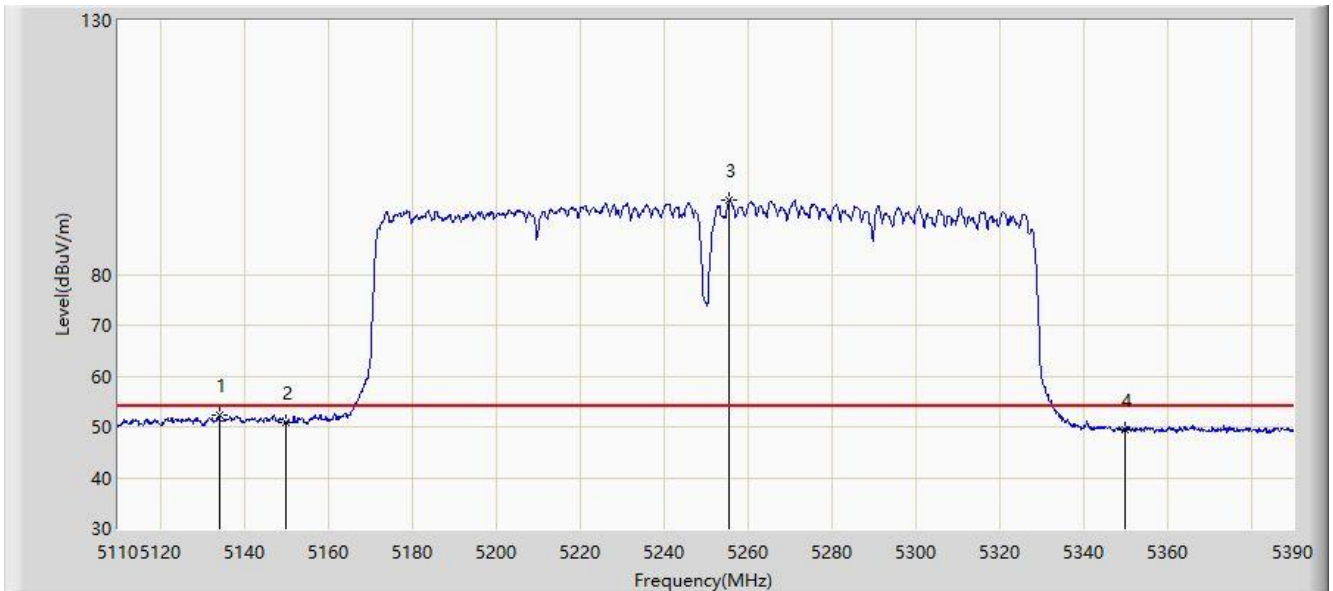
No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB)	Type
1			5134.220	52.235	48.174	-1.765	54.000	4.061	AV
2			5150.000	50.900	46.871	-3.100	54.000	4.029	AV
3		*	5255.600	94.516	90.607	N/A	N/A	3.909	AV
4			5350.000	49.533	45.516	-4.467	54.000	4.017	AV

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

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

| Site: WZ-AC1	Time: 2021/05/07 – 23:45
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 802.11ac-VHT160 at Channel 5250MHz	
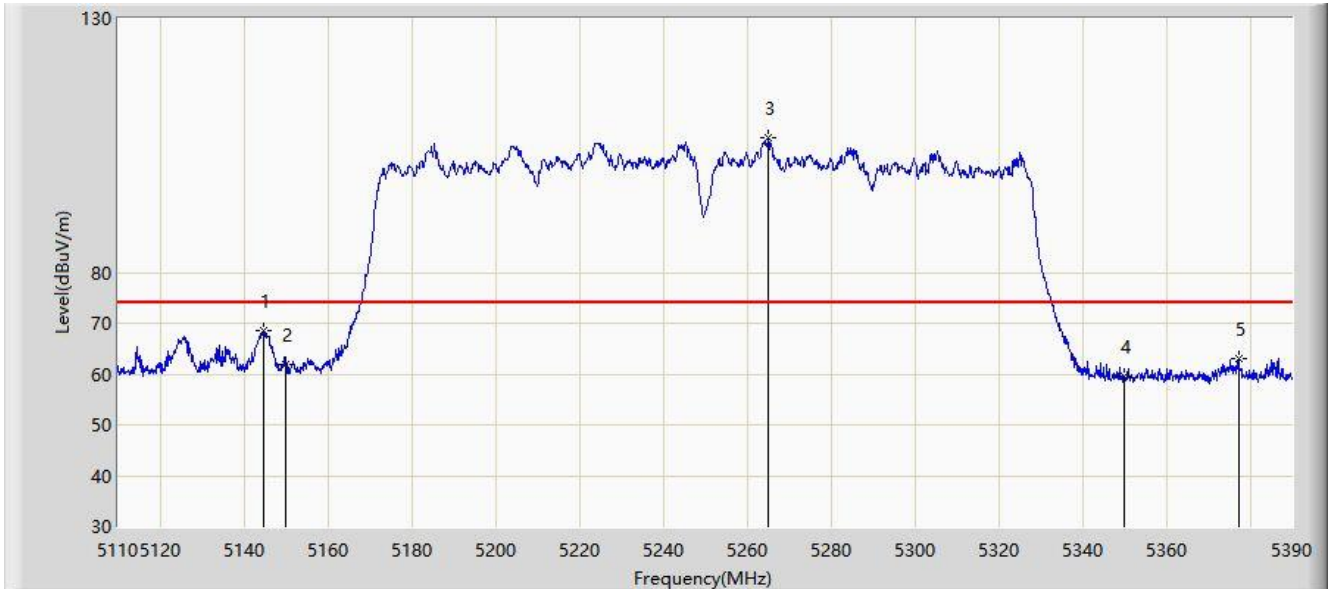
No	Flag	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB)	Type
1			5144.860	68.421	64.391	-5.579	74.000	4.030	PK
2			5150.000	61.831	57.802	-12.169	74.000	4.029	PK
3		*	5265.120	106.431	102.447	N/A	N/A	3.984	PK
4			5350.000	59.423	55.406	-14.577	74.000	4.017	PK
5			5377.400	62.906	58.881	-11.094	74.000	4.025	PK

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

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

| Site: WZ-AC1	Time: 2021/05/07 – 23:40
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 802.11ac-VHT160 at Channel 5250MHz	
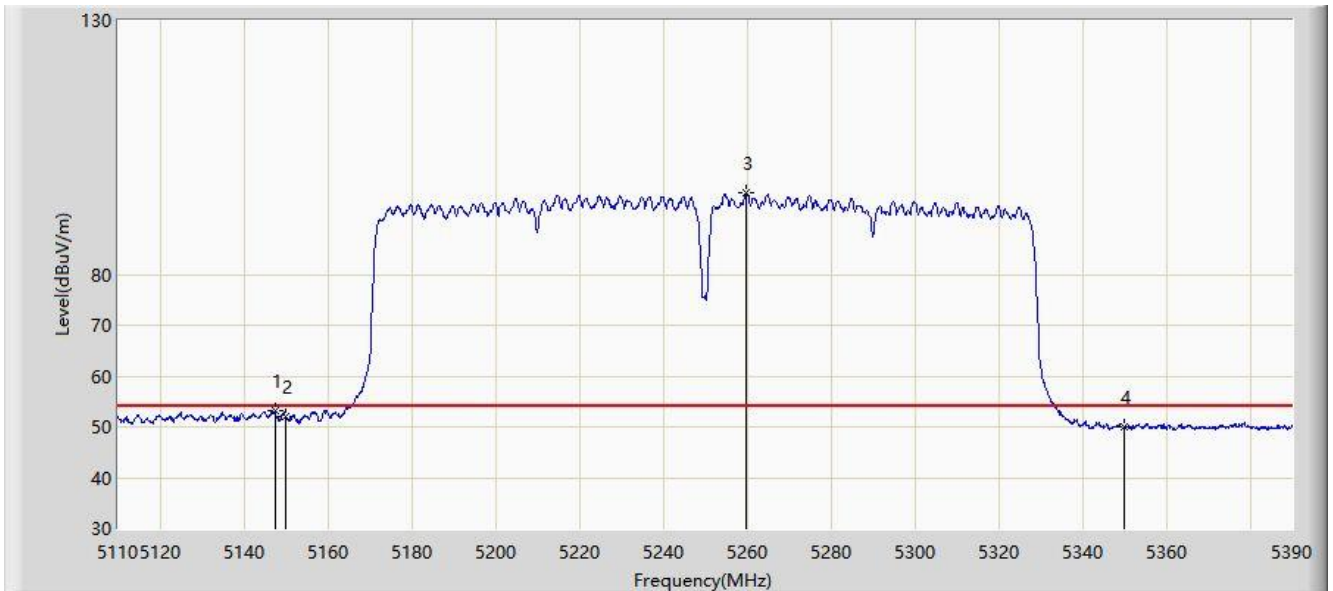
No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB)	Type
1			5147.380	53.312	49.289	-0.688	54.000	4.023	AV
2			5150.000	52.084	48.055	-1.916	54.000	4.029	AV
3		*	5259.800	96.099	92.136	N/A	N/A	3.963	AV
4			5350.000	50.000	45.983	-4.000	54.000	4.017	AV

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

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

| Site: WZ-AC1	Time: 2021/05/07 – 23:56
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 802.11ac-VHT160 at Channel 5570MHz	
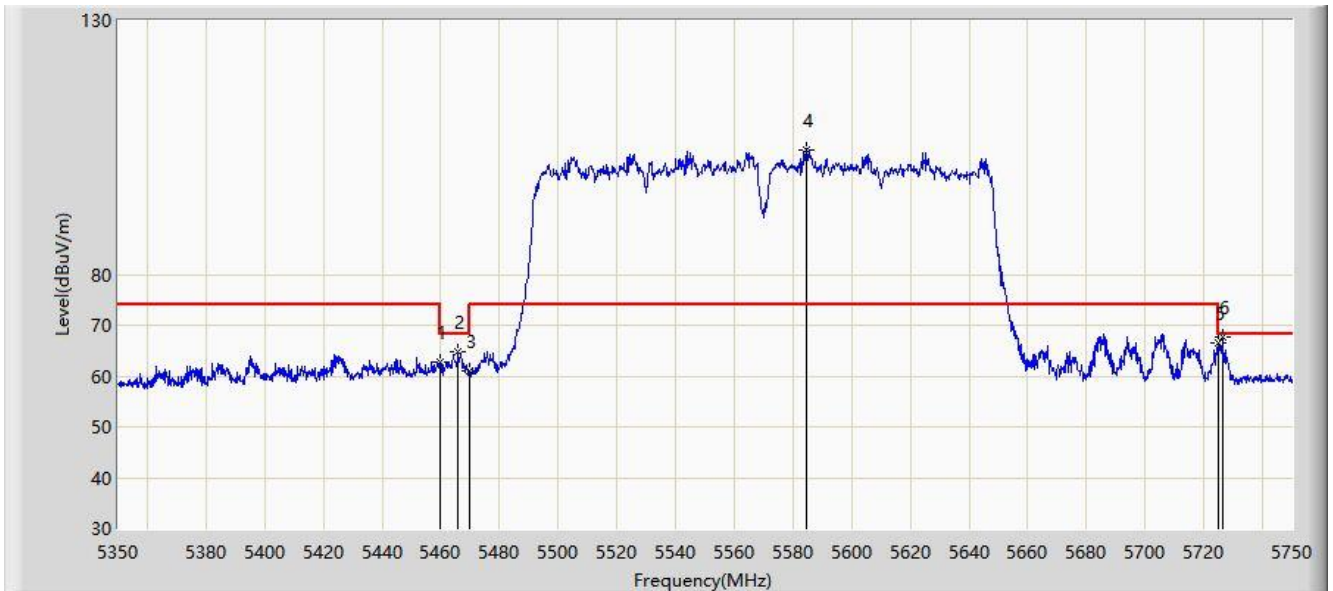
No	Flag	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB)	Type
1			5460.000	62.782	58.520	-11.218	74.000	4.261	PK
2			5466.000	64.761	60.534	-3.439	68.200	4.228	PK
3			5470.000	60.902	56.698	-7.298	68.200	4.204	PK
4		*	5584.400	104.568	100.181	N/A	N/A	4.388	PK
5			5725.000	66.562	62.051	-1.638	68.200	4.511	PK
6			5726.200	67.719	63.207	-0.481	68.200	4.512	PK

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

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

| Site: WZ-AC1	Time: 2021/05/07 – 23:58
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 802.11ac-VHT160 at Channel 5570MHz	
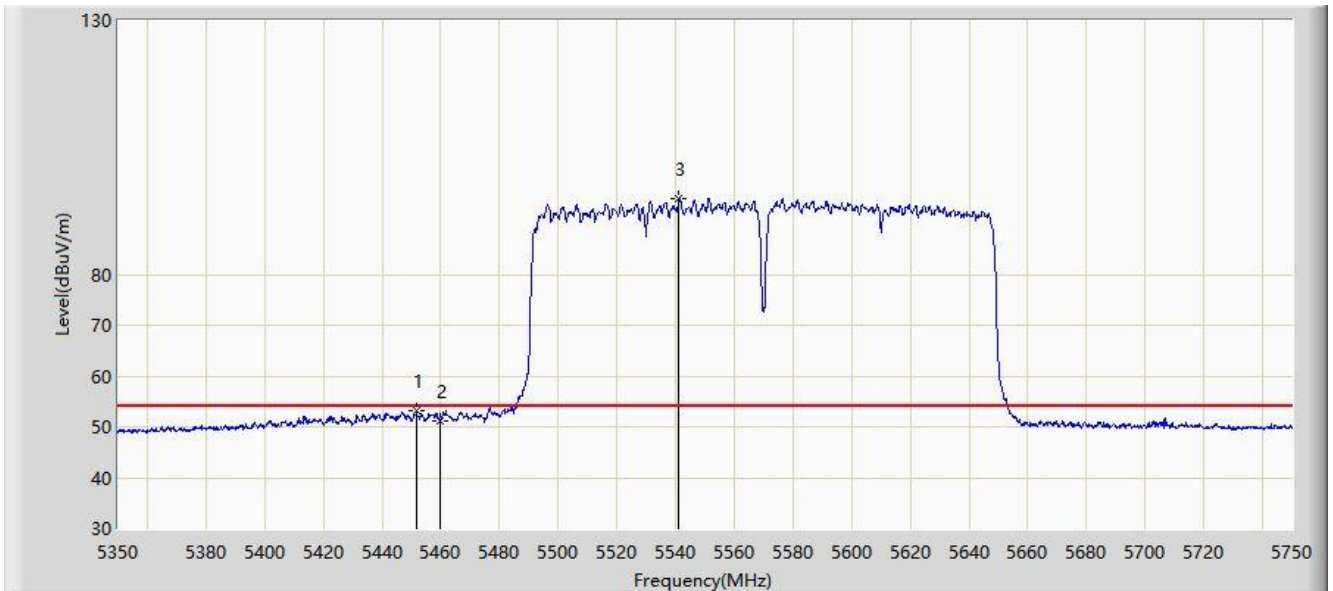
No	Flag	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB)	Type
1			5451.800	53.090	48.782	-0.910	54.000	4.308	AV
2			5460.000	51.280	47.018	-2.720	54.000	4.261	AV
3		*	5541.200	94.852	90.515	N/A	N/A	4.337	AV

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

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

|		
Site: WZ-AC1	Time: 2021/05/07 – 23:55
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 802.11ac-VHT160 at Channel 5570MHz	
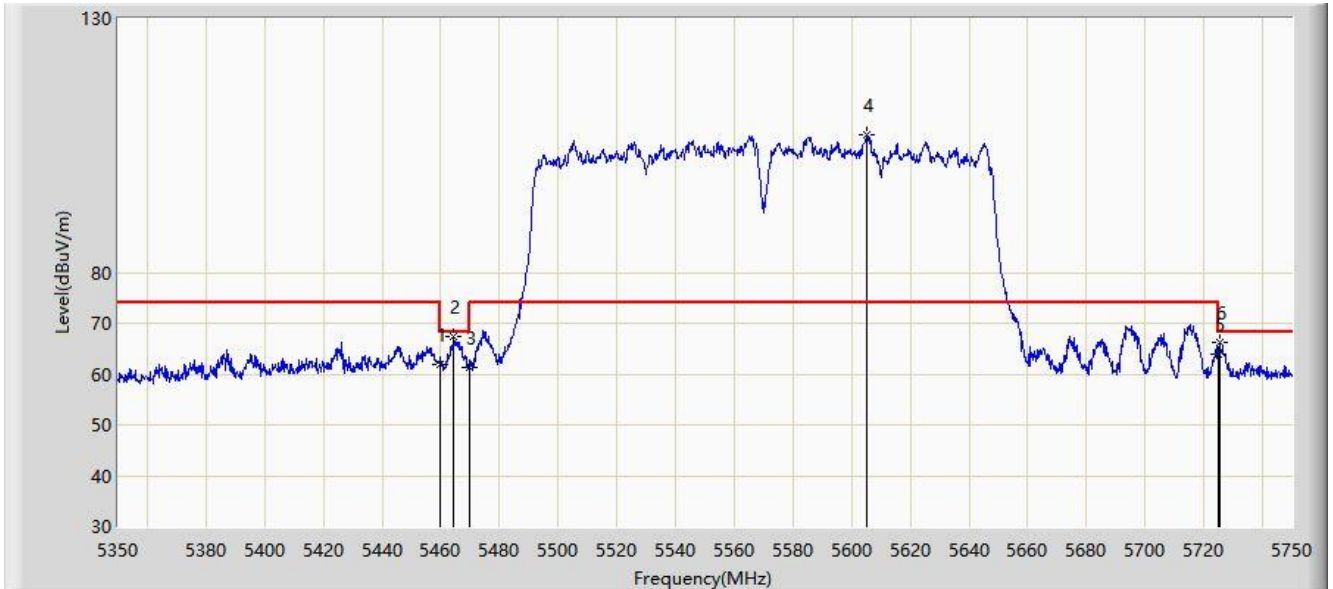
No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB)	Type
1			5460.000	61.808	57.546	-12.192	74.000	4.261	PK
2			5464.400	67.274	63.038	-0.926	68.200	4.236	PK
3			5470.000	61.432	57.228	-6.768	68.200	4.204	PK
4		*	5605.200	107.021	102.580	N/A	N/A	4.442	PK
5			5725.000	63.802	59.291	-4.398	68.200	4.511	PK
6			5725.200	66.173	61.662	-2.027	68.200	4.511	PK

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

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

| Site: WZ-AC1	Time: 2021/05/07 – 23:51
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 802.11ac-HE160 at Channel 5570MHz	
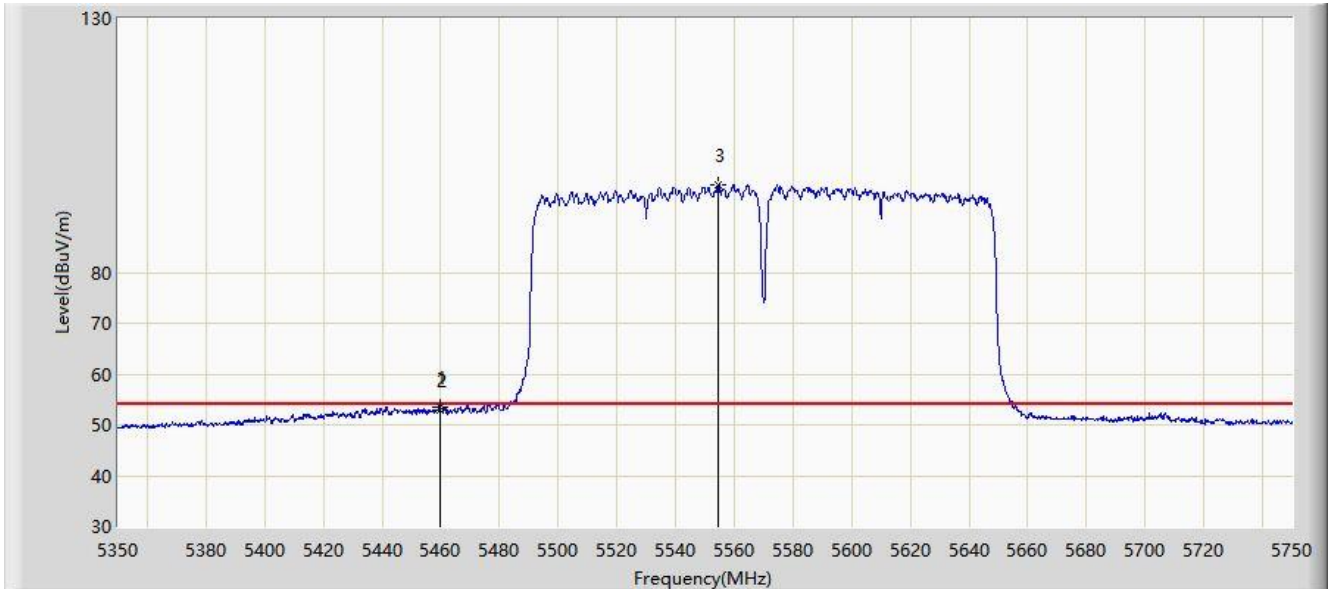
No	Flag	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB)	Type
1			5459.600	53.432	49.168	-0.568	54.000	4.264	AV
2			5460.000	52.970	48.708	-1.030	54.000	4.261	AV
3		*	5554.600	97.320	93.048	N/A	N/A	4.273	AV

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

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

Site: WZ-AC1	Time: 2021/05/07 – 00:41
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 5180MHz	
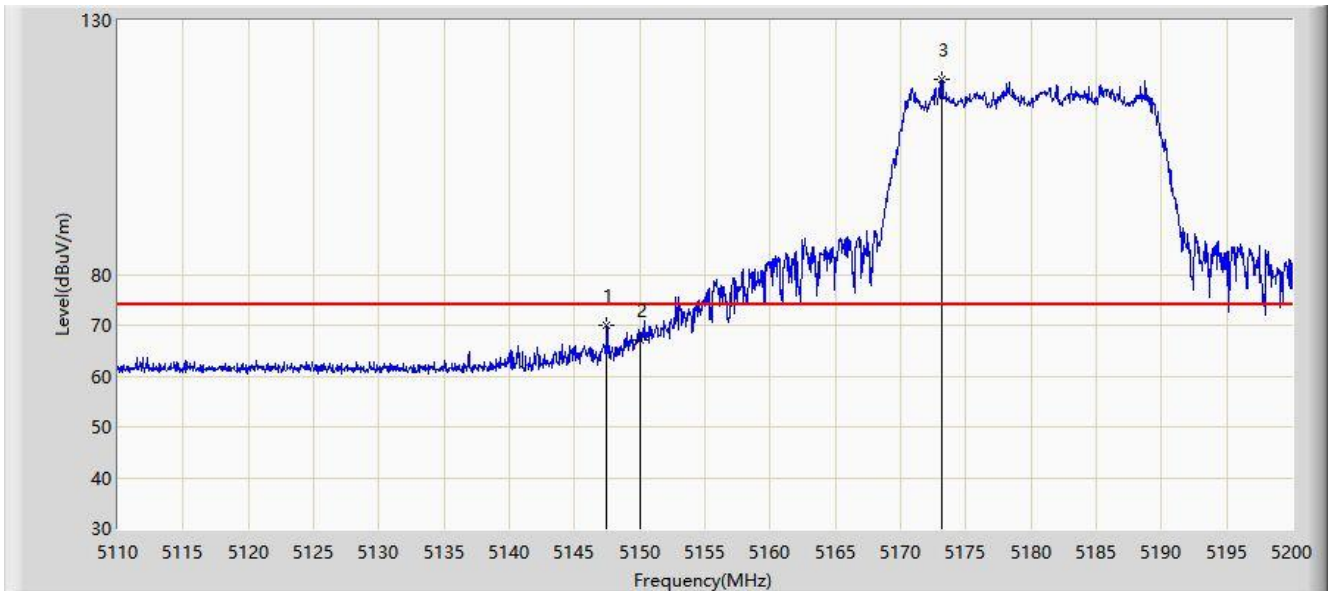
No	Flag	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB)	Type
1			5147.485	69.970	65.948	-4.030	74.000	4.023	PK
2			5150.000	66.996	62.967	-7.004	74.000	4.029	PK
3		*	5173.180	118.315	114.181	N/A	N/A	4.135	PK

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

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

| Site: WZ-AC1	Time: 2021/05/07 – 00:39
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-HE20 at Channel 5180MHz	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB)	Type
1			5150.000	52.836	48.807	-1.164	54.000	4.029	AV
2		*	5177.815	107.220	103.108	N/A	N/A	4.111	AV

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

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

Site: WZ-AC1	Time: 2021/05/07 – 00:43
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 802.11ax-HE20 at Channel 5180MHz	
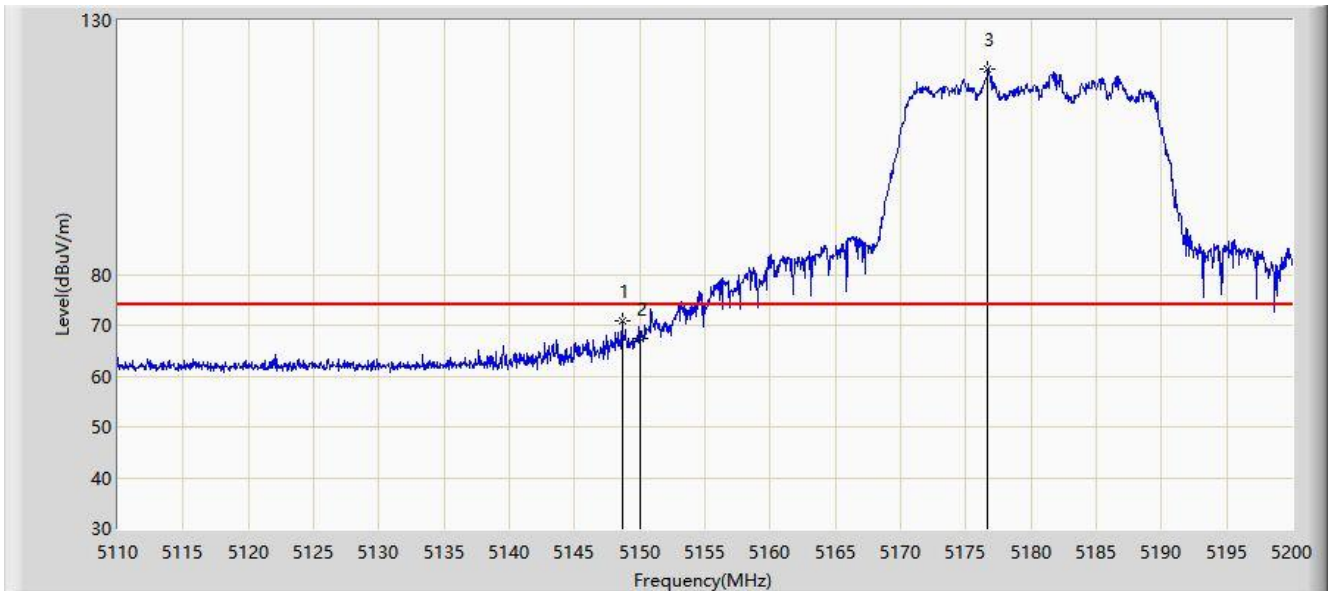
No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB)	Type
1			5148.655	70.757	66.734	-3.243	74.000	4.023	PK
2			5150.000	67.487	63.458	-6.513	74.000	4.029	PK
3		*	5176.690	120.469	116.352	N/A	N/A	4.117	PK

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

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