

802.11n-HT40 Power Spectral Density - Ant 1 / Ant 0 + 1

Channel 38 (5190MHz)



Channel 46 (5230MHz)



Channel 54 (5270MHz)



Channel 62 (5310MHz)

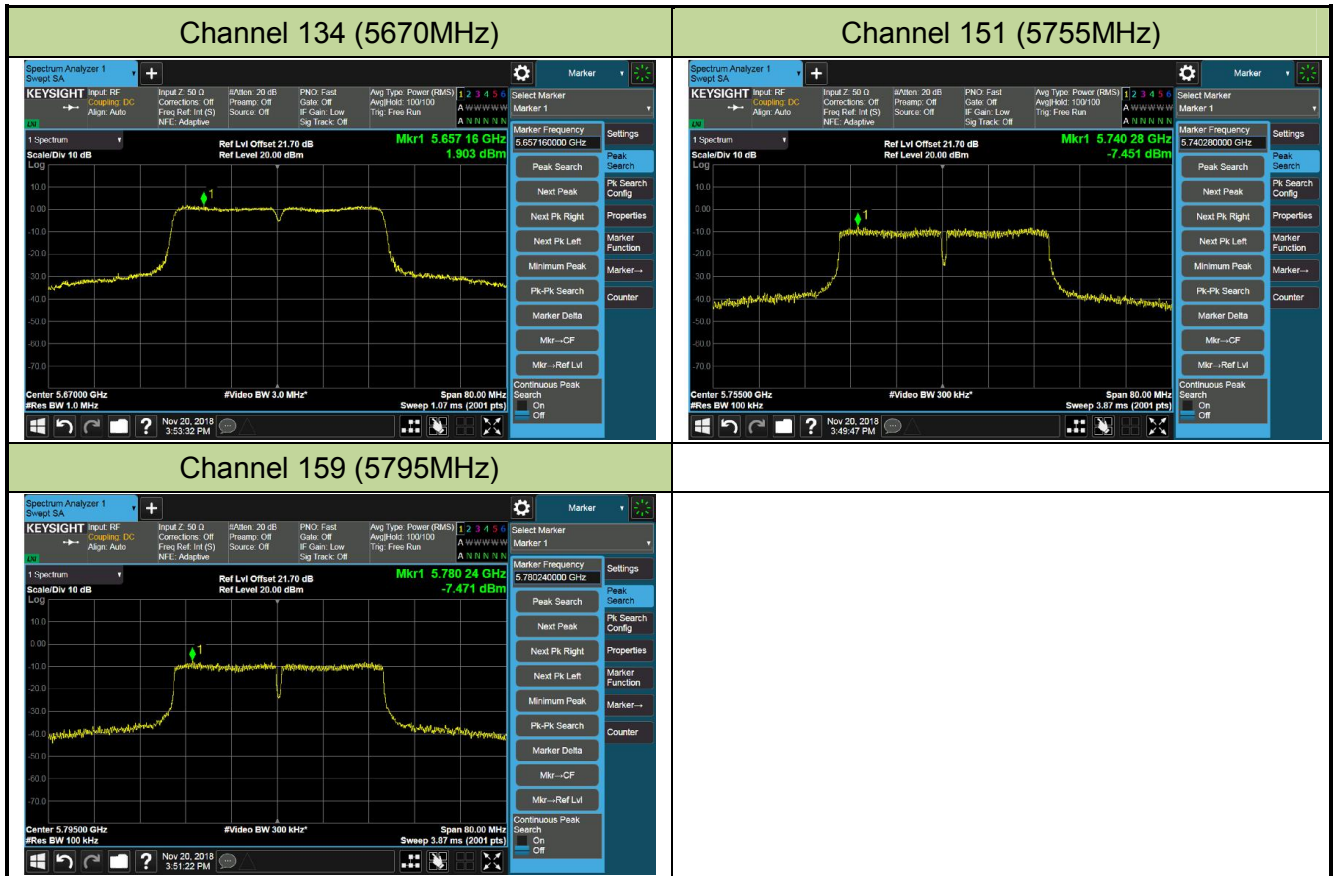


Channel 102 (5510MHz)



Channel 110 (5550MHz)





802.11ac-VHT20 Power Spectral Density - Ant 1 / Ant 0 + 1

Channel 36 (5180MHz)



Channel 44 (5220MHz)



Channel 48 (5240MHz)



Channel 52 (5260MHz)

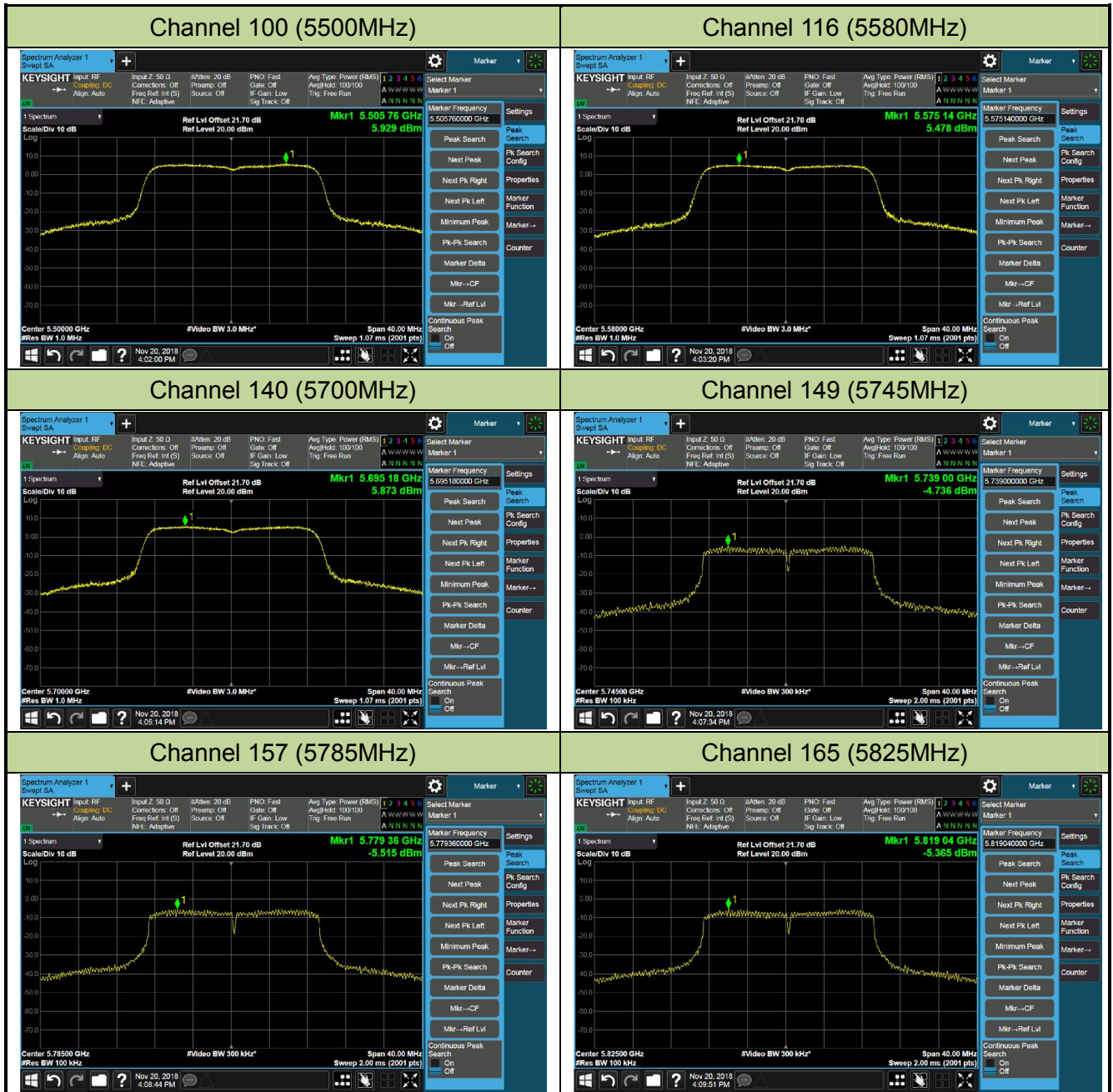


Channel 60 (5300MHz)



Channel 64 (5320MHz)



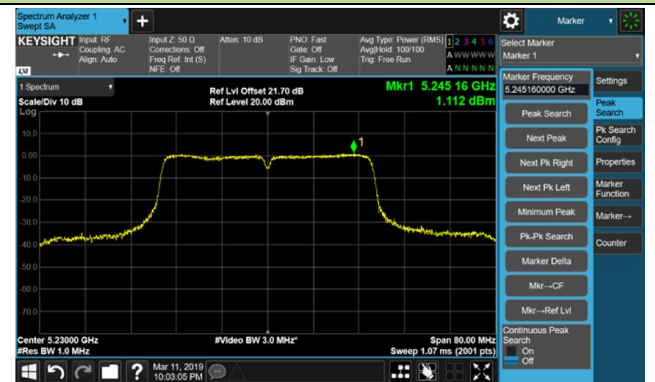


802.11ac-VHT40 Power Spectral Density - Ant 1 / Ant 0 + 1

Channel 38 (5190MHz)



Channel 46 (5230MHz)



Channel 54 (5270MHz)



Channel 62 (5310MHz)

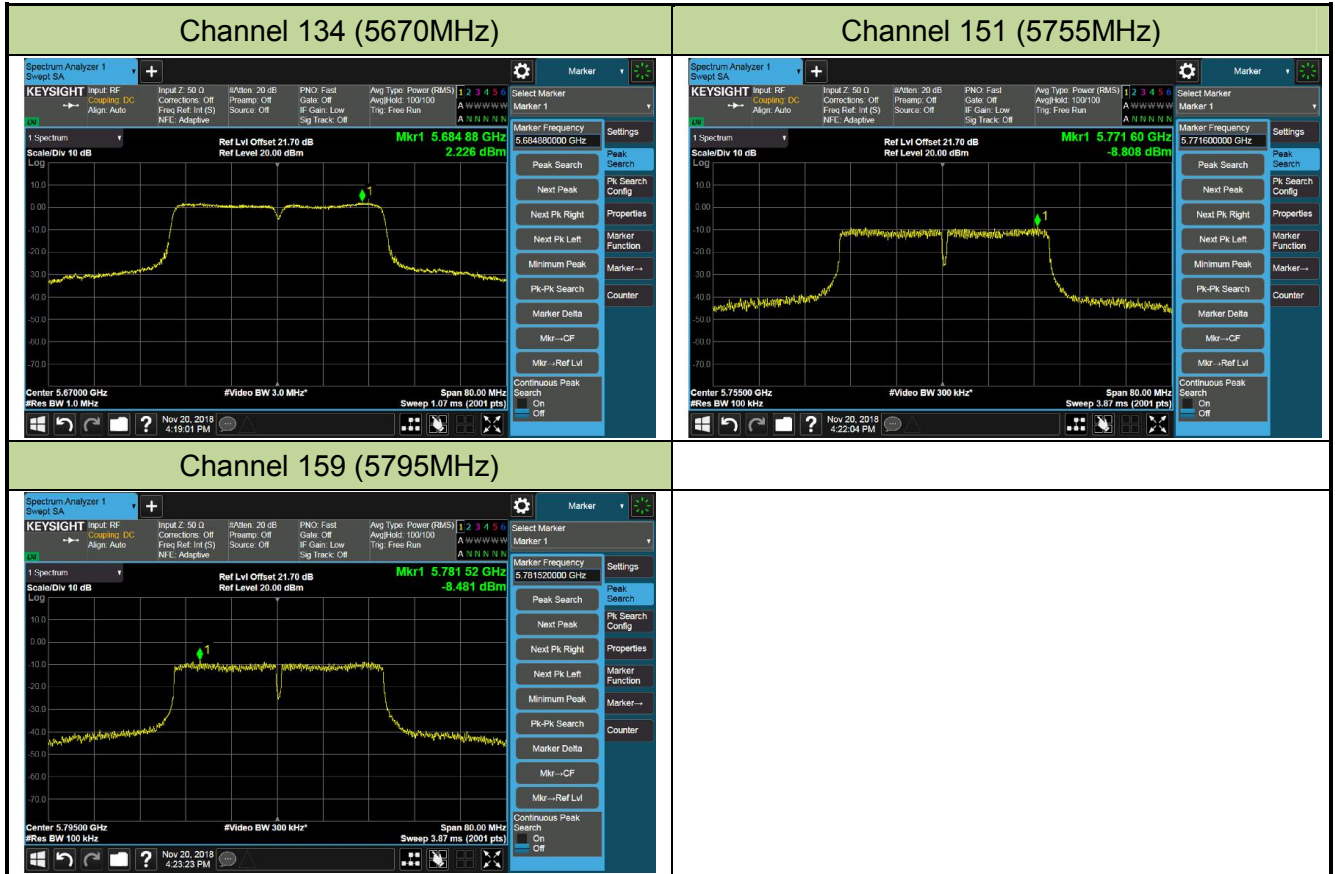


Channel 102 (5510MHz)



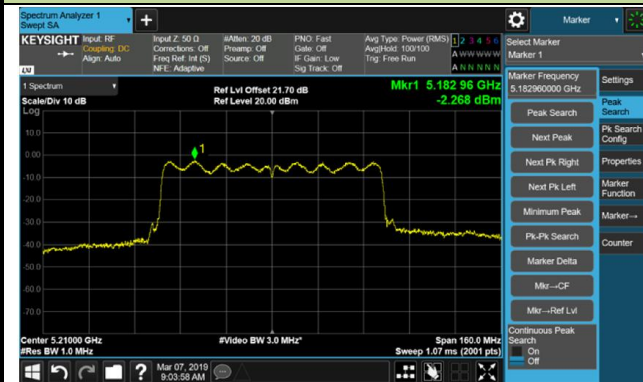
Channel 110 (5550MHz)





802.11ac-VHT80 Power Spectral Density - Ant 1 / Ant 0 + 1

Channel 42 (5210MHz)



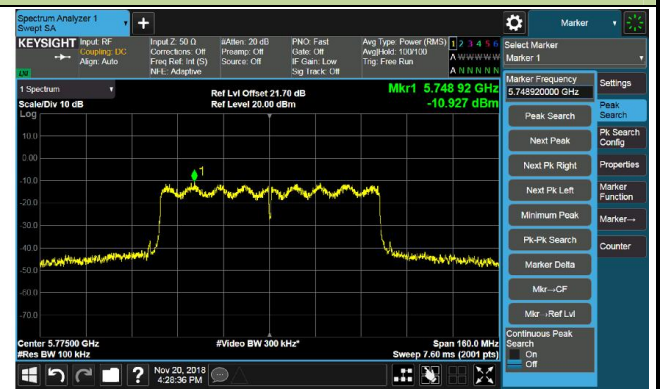
Channel 58 (5290MHz)



Channel 106 (5530MHz)



Channel 155 (5775MHz)



7.7. Frequency Stability Measurement

7.7.1. Test Limit

Manufactures of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

The transmitter center frequency tolerance shall be ± 20 ppm maximum for the 5GHz band (IEEE 802.11 specification).

7.7.2. Test Procedure Used

Frequency Stability Under Temperature Variations:

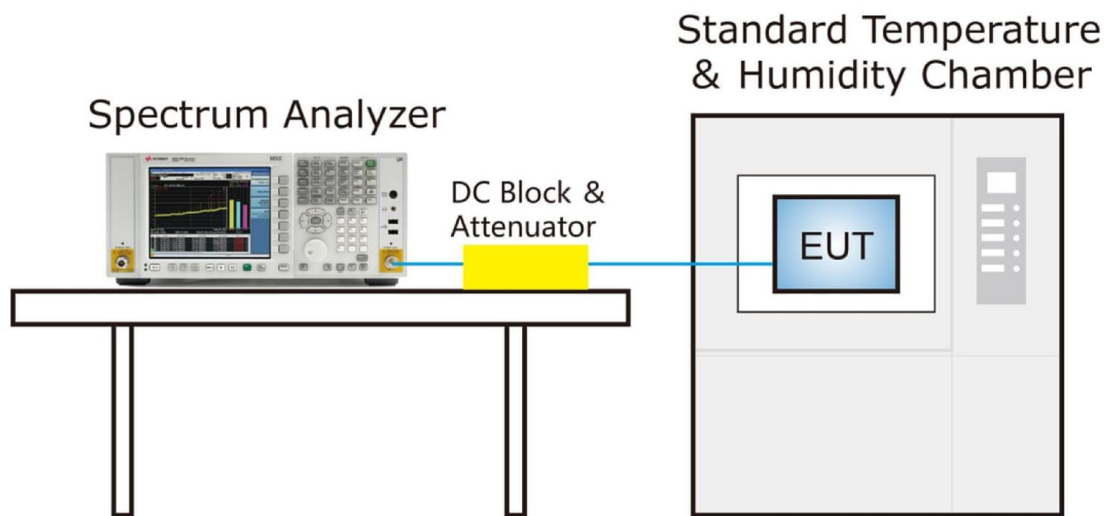
The equipment under test was connected to an external AC or DC power supply and input rated voltage. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators. The EUT was placed inside the temperature chamber. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and measure EUT 20°C operating frequency as reference frequency. Turn EUT off and set the chamber temperature to highest. After the temperature stabilized for approximately 30 minutes recorded the frequency. Repeat step measure with 10°C decreased per stage until the lowest temperature reached.

Frequency Stability Under Voltage Variations:

Set chamber temperature to 20°C. Use a variable AC power supply / DC power source to power the EUT and set the voltage to rated voltage. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and recorded the frequency.

Reduce the input voltage to specify extreme voltage variation ($\pm 15\%$) and endpoint, record the maximum frequency change.

7.7.3. Test Setup



7.7.4. Test Result

Product	AC1300 Mini Wireless MU-MIMO USB Adapter	Temperature	-30 ~ 50°C
Test Engineer	Kevin Ker	Relative Humidity	46 ~ 55%RH
Test Site	SR2	Test Time	2018/11/26
Test Mode	5180MHz (Carrier Mode)		

Voltage (%)	Power (VAC)	Temp (°C)	Frequency Tolerance (ppm)
100%	120	- 30	-6.51
		- 20	-7.44
		- 10	-7.33
		0	-5.74
		+ 10	-6.07
		+ 20 (Ref)	-7.08
		+ 30	-7.37
		+ 40	-7.39
		+ 50	-7.48
115%	138	+ 20	-4.09
85%	102	+ 20	-7.44

Note: Frequency Tolerance (ppm) = {[Measured Frequency (Hz) - Declared Frequency (Hz)] / Declared Frequency (Hz)} * 10⁶.

7.8. Radiated Spurious Emission Measurement

7.8.1. Test Limit

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

7.8.2. Test Procedure Used

ANSI C63.10 Section 6.3 (General Requirements)

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

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

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

7.8.3. 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

Quasi-Peak Measurements below 1GHz

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

Peak Measurements above 1GHz

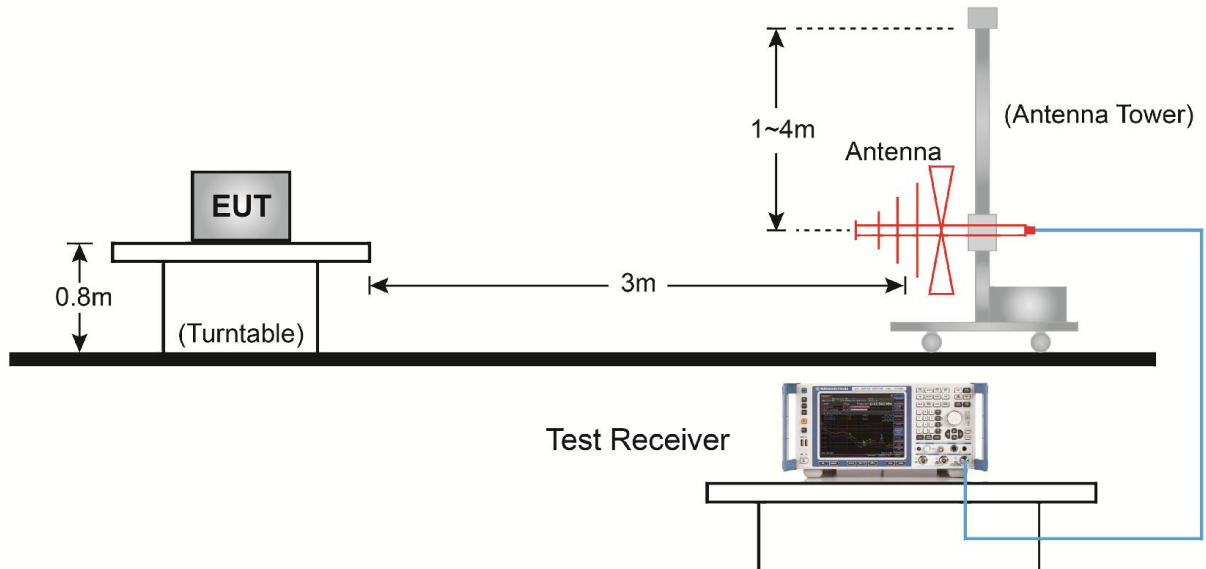
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

Average Measurements above 1GHz (Method VB)

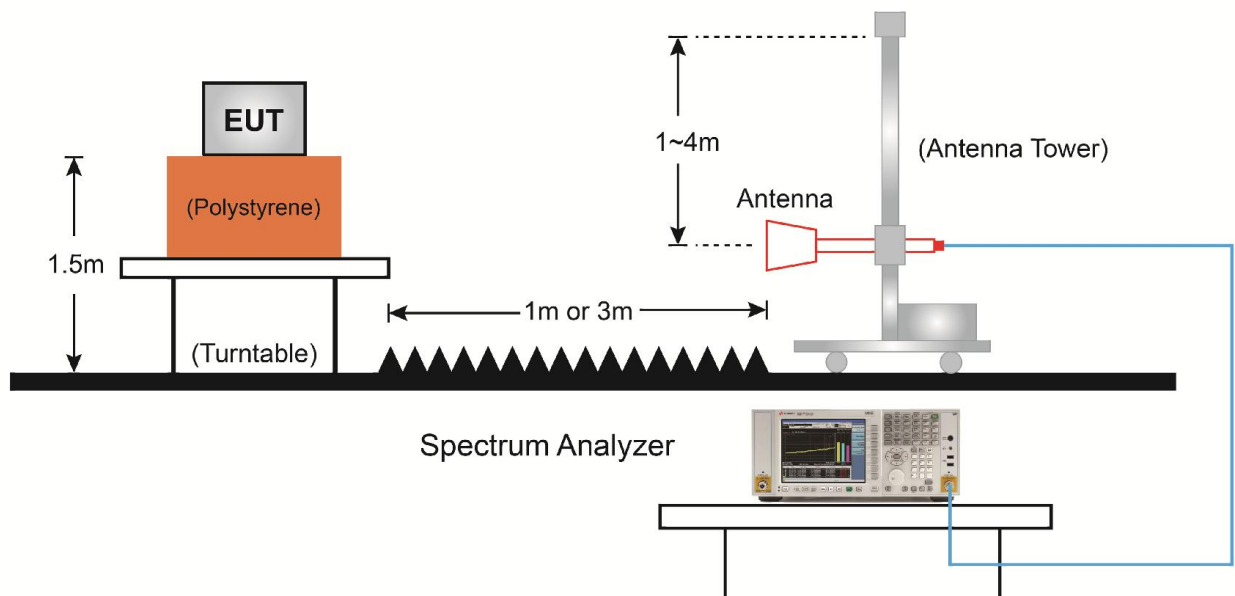
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW; If the EUT is configured to transmit with duty cycle $\geq 98\%$, set VBW = 10 Hz.
If the EUT duty cycle is $< 98\%$, set VBW $\geq 1/T$. T is the minimum transmission duration.
4.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

7.8.4. Test Setup

Below 1GHz Test Setup:



Above 1GHz Test Setup:



7.8.5. Test Result

Product	AC1300 Mini Wireless MU-MIMO USB Adapter	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/11/16
Test Mode	802.11a - Ant 0	Test Channel	36
Note	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9763.5	34.7	14.9	49.6	68.2	-18.6	Peak	Horizontal
*	10018.5	33.8	15.4	49.2	68.2	-19.0	Peak	Horizontal
	11081.0	30.6	18.6	49.2	74.0	-24.8	Peak	Horizontal
	12024.5	30.5	18.8	49.3	74.0	-24.7	Peak	Horizontal
*	10095.0	35.0	15.7	50.7	68.2	-17.5	Peak	Vertical
*	10358.5	36.3	16.8	53.1	68.2	-15.1	Peak	Vertical
	11429.5	29.3	19.2	48.5	74.0	-25.5	Peak	Vertical
	11880.0	30.5	18.6	49.1	74.0	-24.9	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	AC1300 Mini Wireless MU-MIMO USB Adapter	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/11/16
Test Mode	802.11a - Ant 0	Test Channel	44
Note	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9780.5	34.6	14.9	49.5	68.2	-18.7	Peak	Horizontal
*	10443.5	38.5	17.1	55.6	68.2	-12.6	Peak	Horizontal
	11412.5	30.7	19.1	49.8	74.0	-24.2	Peak	Horizontal
	11871.5	31.3	18.7	50.0	74.0	-24.0	Peak	Horizontal
*	9857.0	33.8	16.2	50.0	68.2	-18.2	Peak	Vertical
*	10435.0	38.9	17.0	55.9	68.2	-12.3	Peak	Vertical
	11276.5	31.1	18.8	49.9	74.0	-24.1	Peak	Vertical
	11684.5	30.9	19.2	50.1	74.0	-23.9	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	AC1300 Mini Wireless MU-MIMO USB Adapter	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/11/16
Test Mode	802.11a - Ant 0	Test Channel	48
Note	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9653.0	34.5	14.5	49.0	68.2	-19.2	Peak	Horizontal
*	10477.5	39.9	17.1	57.0	68.2	-11.2	Peak	Horizontal
	11021.5	31.0	18.5	49.5	74.0	-24.5	Peak	Horizontal
	12662.0	30.7	18.7	49.4	74.0	-24.6	Peak	Horizontal
*	9772.0	32.8	14.9	47.7	68.2	-20.5	Peak	Vertical
*	10477.5	38.8	17.1	55.9	68.2	-12.3	Peak	Vertical
	10962.0	31.2	18.4	49.6	74.0	-24.4	Peak	Vertical
	12058.5	31.0	18.8	49.8	74.0	-24.2	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	AC1300 Mini Wireless MU-MIMO USB Adapter	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/11/16
Test Mode	802.11a - Ant 0	Test Channel	52
Note	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9653.0	34.4	14.5	48.9	68.2	-19.3	Peak	Horizontal
*	10086.5	32.6	15.7	48.3	68.2	-19.9	Peak	Horizontal
	11123.5	31.1	18.6	49.7	74.0	-24.3	Peak	Horizontal
	11897.0	31.0	18.6	49.6	74.0	-24.4	Peak	Horizontal
*	9602.0	34.4	14.4	48.8	68.2	-19.4	Peak	Vertical
*	10214.0	32.3	16.3	48.6	68.2	-19.6	Peak	Vertical
	11072.5	31.5	18.6	50.1	74.0	-23.9	Peak	Vertical
	11897.0	30.0	18.6	48.6	74.0	-25.4	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	AC1300 Mini Wireless MU-MIMO USB Adapter	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/11/16
Test Mode	802.11a - Ant 0	Test Channel	60
Note	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9593.5	34.3	14.4	48.7	68.2	-19.5	Peak	Horizontal
*	10095.0	33.9	15.7	49.6	68.2	-18.6	Peak	Horizontal
	11174.5	31.4	18.7	50.1	74.0	-23.9	Peak	Horizontal
	11871.5	31.2	18.7	49.9	74.0	-24.1	Peak	Horizontal
*	9780.5	32.0	14.9	46.9	68.2	-21.3	Peak	Vertical
*	10214.0	32.5	16.3	48.8	68.2	-19.4	Peak	Vertical
	11285.0	30.2	18.8	49.0	74.0	-25.0	Peak	Vertical
	12169.0	30.3	18.8	49.1	74.0	-24.9	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	AC1300 Mini Wireless MU-MIMO USB Adapter	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/11/16
Test Mode	802.11a - Ant 0	Test Channel	64
Note	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9831.5	30.9	15.9	46.8	68.2	-21.4	Peak	Horizontal
*	10290.5	31.3	16.6	47.9	68.2	-20.3	Peak	Horizontal
	11319.0	29.8	18.9	48.7	74.0	-25.3	Peak	Horizontal
	11846.0	29.4	18.7	48.1	74.0	-25.9	Peak	Horizontal
*	9636.0	32.8	14.4	47.2	68.2	-21.0	Peak	Vertical
*	10044.0	32.3	15.5	47.8	68.2	-20.4	Peak	Vertical
	11293.5	29.8	18.9	48.7	74.0	-25.3	Peak	Vertical
	11990.5	30.0	18.7	48.7	74.0	-25.3	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	AC1300 Mini Wireless MU-MIMO USB Adapter	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/11/16
Test Mode	802.11a - Ant 0	Test Channel	100
Note	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9636.0	33.8	14.4	48.2	68.2	-20.0	Peak	Horizontal
*	10112.0	35.0	15.8	50.8	68.2	-17.4	Peak	Horizontal
	10996.0	44.5	18.5	63.0	74.0	-11.0	Peak	Horizontal
	10996.0	30.3	18.5	48.8	54.0	-5.2	Average	Horizontal
	12126.5	30.5	18.9	49.4	74.0	-24.6	Peak	Horizontal
*	9891.0	33.4	15.5	48.9	68.2	-19.3	Peak	Vertical
*	10171.5	32.3	16.1	48.4	68.2	-19.8	Peak	Vertical
	10996.0	43.1	18.5	61.6	74.0	-12.4	Peak	Vertical
	10996.0	28.5	18.5	47.0	54.0	-7.0	Average	Vertical
	12220.0	30.6	18.7	49.3	74.0	-24.7	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	AC1300 Mini Wireless MU-MIMO USB Adapter	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/11/16
Test Mode	802.11a - Ant 0	Test Channel	116
Note	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9780.5	33.6	14.9	48.5	68.2	-19.7	Peak	Horizontal
*	10443.5	30.6	17.1	47.7	68.2	-20.5	Peak	Horizontal
	11166.0	44.0	18.7	62.7	74.0	-11.3	Peak	Horizontal
	11166.0	28.7	18.7	47.4	54.0	-6.6	Average	Horizontal
	12152.0	32.9	18.9	51.8	74.0	-22.2	Peak	Horizontal
*	9559.5	34.3	14.4	48.7	68.2	-19.5	Peak	Vertical
*	9925.0	33.8	15.3	49.1	68.2	-19.1	Peak	Vertical
	11166.0	42.7	18.7	61.4	74.0	-12.6	Peak	Vertical
	11166.0	27.4	18.7	46.1	54.0	-7.9	Average	Vertical
	11684.5	29.9	19.2	49.1	74.0	-24.9	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	AC1300 Mini Wireless MU-MIMO USB Adapter	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/11/16
Test Mode	802.11a - Ant 0	Test Channel	140
Note	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9678.5	32.6	14.6	47.2	68.2	-21.0	Peak	Horizontal
*	10120.5	33.2	15.8	49.0	68.2	-19.2	Peak	Horizontal
	11276.5	30.9	18.8	49.7	74.0	-24.3	Peak	Horizontal
	12007.5	30.4	18.7	49.1	74.0	-24.9	Peak	Horizontal
*	9976.0	31.8	15.3	47.1	68.2	-21.1	Peak	Vertical
*	10435.0	31.2	17.0	48.2	68.2	-20.0	Peak	Vertical
	11140.5	30.5	18.7	49.2	74.0	-24.8	Peak	Vertical
	11803.5	29.2	18.7	47.9	74.0	-26.1	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	AC1300 Mini Wireless MU-MIMO USB Adapter	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/11/16
Test Mode	802.11a - Ant 0	Test Channel	149
Note	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10001.5	34.1	15.4	49.5	68.2	-18.7	Peak	Horizontal
*	10418.0	32.0	17.0	49.0	68.2	-19.2	Peak	Horizontal
	11276.5	30.7	18.8	49.5	74.0	-24.5	Peak	Horizontal
	12067.0	30.9	18.8	49.7	74.0	-24.3	Peak	Horizontal
*	9976.0	31.8	15.3	47.1	68.2	-21.1	Peak	Vertical
*	10520.0	30.9	17.2	48.1	68.2	-20.1	Peak	Vertical
	11081.0	30.4	18.6	49.0	74.0	-25.0	Peak	Vertical
	12024.5	30.5	18.8	49.3	74.0	-24.7	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	AC1300 Mini Wireless MU-MIMO USB Adapter	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/11/16
Test Mode	802.11a - Ant 0	Test Channel	157
Note	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9789.0	32.8	15.0	47.8	68.2	-20.4	Peak	Horizontal
*	10248.0	32.4	16.4	48.8	68.2	-19.4	Peak	Horizontal
	10826.0	32.8	18.0	50.8	74.0	-23.2	Peak	Horizontal
	11565.5	39.6	19.5	59.1	74.0	-14.9	Peak	Horizontal
	11565.5	24.8	19.5	44.3	54.0	-9.7	Average	Horizontal
*	9959.0	31.7	15.3	47.0	68.2	-21.2	Peak	Vertical
*	10409.5	32.2	17.0	49.2	68.2	-19.0	Peak	Vertical
	11574.0	41.9	19.5	61.4	74.0	-12.6	Peak	Vertical
	11574.0	29.4	19.5	48.9	54.0	-5.1	Average	Vertical
	12441.0	31.6	18.4	50.0	74.0	-24.0	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	AC1300 Mini Wireless MU-MIMO USB Adapter	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/11/16
Test Mode	802.11a - Ant 0	Test Channel	165
Note	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9848.5	32.8	16.1	48.9	68.2	-19.3	Peak	Horizontal
*	10350.0	32.0	16.8	48.8	68.2	-19.4	Peak	Horizontal
	11021.5	30.7	18.5	49.2	74.0	-24.8	Peak	Horizontal
	12381.5	30.4	18.4	48.8	74.0	-25.2	Peak	Horizontal
*	9687.0	31.9	14.6	46.5	68.2	-21.7	Peak	Vertical
*	10350.0	32.4	16.8	49.2	68.2	-19.0	Peak	Vertical
	11285.0	30.5	18.8	49.3	74.0	-24.7	Peak	Vertical
	12016.0	31.1	18.7	49.8	74.0	-24.2	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	AC1300 Mini Wireless MU-MIMO USB Adapter	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/11/16
Test Mode	802.11n-HT20 - Ant 0 + 1	Test Channel	36
Note	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9797.5	32.7	15.1	47.8	68.2	-20.4	Peak	Horizontal
*	10358.5	44.7	16.8	61.5	68.2	-6.7	Peak	Horizontal
	11123.5	29.9	18.6	48.5	74.0	-25.5	Peak	Horizontal
	11948.0	30.4	18.6	49.0	74.0	-25.0	Peak	Horizontal
*	9840.0	32.6	16.0	48.6	68.2	-19.6	Peak	Vertical
*	10367.0	40.3	16.8	57.1	68.2	-11.1	Peak	Vertical
	11786.5	29.3	18.8	48.1	74.0	-25.9	Peak	Vertical
	12441.0	31.3	18.4	49.7	74.0	-24.3	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	AC1300 Mini Wireless MU-MIMO USB Adapter	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/11/16
Test Mode	802.11n-HT20 - Ant 0 + 1	Test Channel	44
Note	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9899.5	33.1	15.4	48.5	68.2	-19.7	Peak	Horizontal
*	10443.5	40.5	17.1	57.6	68.2	-10.6	Peak	Horizontal
	11378.5	30.5	19.1	49.6	74.0	-24.4	Peak	Horizontal
	12381.5	32.3	18.4	50.7	74.0	-23.3	Peak	Horizontal
*	9661.5	32.9	14.5	47.4	68.2	-20.8	Peak	Vertical
*	10443.5	37.1	17.1	54.2	68.2	-14.0	Peak	Vertical
	10877.0	30.2	18.2	48.4	74.0	-25.6	Peak	Vertical
	12041.5	30.9	18.8	49.7	74.0	-24.3	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	AC1300 Mini Wireless MU-MIMO USB Adapter	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/11/16
Test Mode	802.11n-HT20 - Ant 0 + 1	Test Channel	48
Note	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9950.5	33.3	15.3	48.6	68.2	-19.6	Peak	Horizontal
*	10477.5	41.9	17.1	59.0	68.2	-9.2	Peak	Horizontal
	11795.0	29.5	18.8	48.3	74.0	-25.7	Peak	Horizontal
	12432.5	31.8	18.4	50.2	74.0	-23.8	Peak	Horizontal
*	10001.5	33.8	15.4	49.2	68.2	-19.0	Peak	Vertical
*	10477.5	38.2	17.1	55.3	68.2	-12.9	Peak	Vertical
	11531.5	31.3	19.4	50.7	74.0	-23.3	Peak	Vertical
	12109.5	31.2	18.9	50.1	74.0	-23.9	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	AC1300 Mini Wireless MU-MIMO USB Adapter	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/11/16
Test Mode	802.11n-HT20 - Ant 0 + 1	Test Channel	52
Note	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9984.5	33.7	15.4	49.1	68.2	-19.1	Peak	Horizontal
*	10511.5	43.9	17.2	61.1	68.2	-7.1	Peak	Horizontal
	11684.5	30.6	19.2	49.8	74.0	-24.2	Peak	Horizontal
	12492.0	31.6	18.5	50.1	74.0	-23.9	Peak	Horizontal
*	9636.0	33.0	14.4	47.4	68.2	-20.8	Peak	Vertical
*	10520.0	39.2	17.2	56.4	68.2	-11.8	Peak	Vertical
	11625.0	31.8	19.4	51.2	74.0	-22.8	Peak	Vertical
	11973.5	31.1	18.7	49.8	74.0	-24.2	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	AC1300 Mini Wireless MU-MIMO USB Adapter	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/11/16
Test Mode	802.11n-HT20 - Ant 0 + 1	Test Channel	60
Note	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10095.0	33.8	15.7	49.5	68.2	-18.7	Peak	Horizontal
*	10596.5	38.5	17.3	55.8	68.2	-12.4	Peak	Horizontal
	11166.0	30.5	18.7	49.2	74.0	-24.8	Peak	Horizontal
	12101.0	31.3	18.9	50.2	74.0	-23.8	Peak	Horizontal
*	9755.0	32.6	14.8	47.4	68.2	-20.8	Peak	Vertical
*	10010.0	33.3	15.4	48.7	68.2	-19.5	Peak	Vertical
	10605.0	43.1	17.3	60.4	74.0	-13.6	Peak	Vertical
	10605.0	26.2	17.3	43.5	54.0	-10.5	Average	Vertical
	11863.0	29.5	18.7	48.2	74.0	-25.8	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	AC1300 Mini Wireless MU-MIMO USB Adapter	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/11/16
Test Mode	802.11n-HT20 - Ant 0 + 1	Test Channel	64
Note	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9576.5	33.5	14.4	47.9	68.2	-20.3	Peak	Horizontal
*	9916.5	34.4	15.3	49.7	68.2	-18.5	Peak	Horizontal
	10647.5	44.8	17.4	62.2	74.0	-11.8	Peak	Horizontal
	10647.5	28.5	17.4	45.9	54.0	-8.1	Average	Horizontal
	11531.5	31.0	19.4	50.4	74.0	-23.6	Peak	Horizontal
*	9661.5	33.3	14.5	47.8	68.2	-20.4	Peak	Vertical
*	9950.5	32.7	15.3	48.0	68.2	-20.2	Peak	Vertical
	10639.0	40.7	17.4	58.1	74.0	-15.9	Peak	Vertical
	10639.0	23.1	17.4	40.5	54.0	-13.5	Average	Vertical
	12143.5	31.9	18.9	50.8	74.0	-23.2	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	AC1300 Mini Wireless MU-MIMO USB Adapter	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/11/16
Test Mode	802.11n-HT20 - Ant 0 + 1	Test Channel	100
Note	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9925.0	33.4	15.3	48.7	68.2	-19.5	Peak	Horizontal
*	10273.5	32.2	16.5	48.7	68.2	-19.5	Peak	Horizontal
	10996.0	37.5	18.5	56.0	74.0	-18.0	Peak	Horizontal
	10996.0	21.4	18.5	39.9	54.0	-14.1	Average	Horizontal
	11676.0	32.1	19.2	51.3	74.0	-22.7	Peak	Horizontal
*	9772.0	32.1	14.9	47.0	68.2	-21.2	Peak	Vertical
*	10188.5	32.1	16.2	48.3	68.2	-19.9	Peak	Vertical
	10996.0	36.0	18.5	54.5	74.0	-19.5	Peak	Vertical
	10996.0	18.7	18.5	37.2	54.0	-16.8	Average	Vertical
	11965.0	31.6	18.6	50.2	74.0	-23.8	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	AC1300 Mini Wireless MU-MIMO USB Adapter	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/11/16
Test Mode	802.11n-HT20 - Ant 0 + 1	Test Channel	116
Note	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9755.0	34.1	14.8	48.9	68.2	-19.3	Peak	Horizontal
*	10316.0	32.7	16.7	49.4	68.2	-18.8	Peak	Horizontal
	11157.5	34.6	18.7	53.3	74.0	-20.7	Peak	Horizontal
	12109.5	32.2	18.9	51.1	74.0	-22.9	Peak	Horizontal
*	10001.5	33.1	15.4	48.5	68.2	-19.7	Peak	Vertical
*	10214.0	31.4	16.3	47.7	68.2	-20.5	Peak	Vertical
	11157.5	34.0	18.7	52.7	74.0	-21.3	Peak	Vertical
	11480.5	29.1	19.3	48.4	74.0	-25.6	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	AC1300 Mini Wireless MU-MIMO USB Adapter	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/11/16
Test Mode	802.11n-HT20 - Ant 0 + 1	Test Channel	140
Note	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9891.0	33.1	15.5	48.6	68.2	-19.6	Peak	Horizontal
*	10265.0	32.4	16.5	48.9	68.2	-19.3	Peak	Horizontal
	11123.5	30.3	18.6	48.9	74.0	-25.1	Peak	Horizontal
	11863.0	30.8	18.7	49.5	74.0	-24.5	Peak	Horizontal
*	10001.5	33.2	15.4	48.6	68.2	-19.6	Peak	Vertical
*	10231.0	32.4	16.4	48.8	68.2	-19.4	Peak	Vertical
	11404.0	33.8	19.1	52.9	74.0	-21.1	Peak	Vertical
	12033.0	31.3	18.8	50.1	74.0	-23.9	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	AC1300 Mini Wireless MU-MIMO USB Adapter	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/11/16
Test Mode	802.11n-HT20 - Ant 0 + 1	Test Channel	149
Note	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9933.5	33.2	15.3	48.5	68.2	-19.7	Peak	Horizontal
*	10214.0	32.0	16.3	48.3	68.2	-19.9	Peak	Horizontal
	10877.0	30.3	18.2	48.5	74.0	-25.5	Peak	Horizontal
	12330.5	30.7	18.5	49.2	74.0	-24.8	Peak	Horizontal
*	9840.0	31.8	16.0	47.8	68.2	-20.4	Peak	Vertical
*	10528.5	32.8	17.2	50.0	68.2	-18.2	Peak	Vertical
	11497.5	33.0	19.3	52.3	74.0	-21.7	Peak	Vertical
	12075.5	31.7	18.9	50.6	74.0	-23.4	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	AC1300 Mini Wireless MU-MIMO USB Adapter	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/11/16
Test Mode	802.11n-HT20 - Ant 0 + 1	Test Channel	157
Note	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9772.0	32.9	14.9	47.8	68.2	-20.4	Peak	Horizontal
*	10214.0	32.2	16.3	48.5	68.2	-19.7	Peak	Horizontal
	11565.5	34.0	19.5	53.5	74.0	-20.5	Peak	Horizontal
	12475.0	33.1	18.5	51.6	74.0	-22.4	Peak	Horizontal
*	9916.5	33.0	15.3	48.3	68.2	-19.9	Peak	Vertical
*	10265.0	31.5	16.5	48.0	68.2	-20.2	Peak	Vertical
	11574.0	33.2	19.5	52.7	74.0	-21.3	Peak	Vertical
	12143.5	31.9	18.9	50.8	74.0	-23.2	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	AC1300 Mini Wireless MU-MIMO USB Adapter	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/11/16
Test Mode	802.11n-HT20 - Ant 0 + 1	Test Channel	165
Note	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9721.0	32.7	14.7	47.4	68.2	-20.8	Peak	Horizontal
*	10129.0	32.8	15.9	48.7	68.2	-19.5	Peak	Horizontal
	10851.5	32.3	18.1	50.4	74.0	-23.6	Peak	Horizontal
	11650.5	36.9	19.3	56.2	74.0	-17.8	Peak	Horizontal
	11650.5	24.5	19.3	43.8	54.0	-10.2	Average	Horizontal
*	9636.0	31.4	14.4	45.8	68.2	-22.4	Peak	Vertical
*	10078.0	31.5	15.6	47.1	68.2	-21.1	Peak	Vertical
	11659.0	35.3	19.3	54.6	74.0	-19.4	Peak	Vertical
	11659.0	21.4	19.3	40.7	54.0	-13.3	Average	Vertical
	12135.0	31.8	18.9	50.7	74.0	-23.3	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	AC1300 Mini Wireless MU-MIMO USB Adapter	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/11/16
Test Mode	802.11n-HT40 - Ant 0 + 1	Test Channel	38
Note	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9721.0	33.6	14.7	48.3	68.2	-19.9	Peak	Horizontal
*	10384.0	43.2	16.9	60.1	68.2	-8.1	Peak	Horizontal
	11021.5	30.8	18.5	49.3	74.0	-24.7	Peak	Horizontal
	11897.0	30.5	18.6	49.1	74.0	-24.9	Peak	Horizontal
*	10027.0	33.8	15.4	49.2	68.2	-19.0	Peak	Vertical
*	10392.5	37.9	16.9	54.8	68.2	-13.4	Peak	Vertical
	11540.0	30.5	19.4	49.9	74.0	-24.1	Peak	Vertical
	12500.5	30.2	18.5	48.7	74.0	-25.3	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	AC1300 Mini Wireless MU-MIMO USB Adapter	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/11/16
Test Mode	802.11n-HT40 - Ant 0 + 1	Test Channel	46
Note	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9772.0	32.6	14.9	47.5	68.2	-20.7	Peak	Horizontal
*	10469.0	37.9	17.1	55.0	68.2	-13.2	Peak	Horizontal
	11285.0	31.6	18.8	50.4	74.0	-23.6	Peak	Horizontal
	12169.0	31.9	18.8	50.7	74.0	-23.3	Peak	Horizontal
*	9772.0	33.3	14.9	48.2	68.2	-20.0	Peak	Vertical
*	10460.5	41.1	17.1	58.2	68.2	-10.0	Peak	Vertical
	11072.5	30.9	18.6	49.5	74.0	-24.5	Peak	Vertical
	11795.0	30.2	18.8	49.0	74.0	-25.0	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	AC1300 Mini Wireless MU-MIMO USB Adapter	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/11/16
Test Mode	802.11n-HT40 - Ant 0 + 1	Test Channel	54
Note	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10035.5	33.9	15.5	49.4	68.2	-18.8	Peak	Horizontal
*	10528.5	38.2	17.2	55.4	68.2	-12.8	Peak	Horizontal
	11174.5	29.6	18.7	48.3	74.0	-25.7	Peak	Horizontal
	12092.5	30.1	18.9	49.0	74.0	-25.0	Peak	Horizontal
*	9993.0	32.4	15.4	47.8	68.2	-20.4	Peak	Vertical
*	10537.0	36.2	17.2	53.4	68.2	-14.8	Peak	Vertical
	11523.0	30.9	19.4	50.3	74.0	-23.7	Peak	Vertical
	12126.5	32.1	18.9	51.0	74.0	-23.0	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	AC1300 Mini Wireless MU-MIMO USB Adapter	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/11/16
Test Mode	802.11n-HT40 - Ant 0 + 1	Test Channel	62
Note	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9610.5	33.6	14.4	48.0	68.2	-20.2	Peak	Horizontal
*	10205.5	33.0	16.2	49.2	68.2	-19.0	Peak	Horizontal
	10622.0	37.2	17.3	54.5	74.0	-19.5	Peak	Horizontal
	10622.0	23.2	17.3	40.5	54.0	-13.5	Average	Horizontal
	11633.5	29.8	19.4	49.2	74.0	-24.8	Peak	Horizontal
*	9661.5	32.5	14.5	47.0	68.2	-21.2	Peak	Vertical
*	9942.0	33.3	15.3	48.6	68.2	-19.6	Peak	Vertical
	10622.0	37.1	17.3	54.4	74.0	-19.6	Peak	Vertical
	10622.0	20.4	17.3	37.7	54.0	-16.3	Average	Vertical
	11531.5	29.9	19.4	49.3	74.0	-24.7	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	AC1300 Mini Wireless MU-MIMO USB Adapter	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/11/16
Test Mode	802.11n-HT40 - Ant 0 + 1	Test Channel	102
Note	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9772.0	33.7	14.9	48.6	68.2	-19.6	Peak	Horizontal
*	10537.0	32.0	17.2	49.2	68.2	-19.0	Peak	Horizontal
	11030.0	30.7	18.5	49.2	74.0	-24.8	Peak	Horizontal
	11846.0	30.8	18.7	49.5	74.0	-24.5	Peak	Horizontal
*	9806.0	31.3	15.2	46.5	68.2	-21.7	Peak	Vertical
*	10120.5	32.5	15.8	48.3	68.2	-19.9	Peak	Vertical
	11030.0	30.5	18.5	49.0	74.0	-25.0	Peak	Vertical
	11480.5	31.0	19.3	50.3	74.0	-23.7	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	AC1300 Mini Wireless MU-MIMO USB Adapter	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/11/16
Test Mode	802.11n-HT40 - Ant 0 + 1	Test Channel	110
Note	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9789.0	30.6	15.0	45.6	68.2	-22.6	Peak	Horizontal
*	10333.0	30.5	16.7	47.2	68.2	-21.0	Peak	Horizontal
	10945.0	29.7	18.4	48.1	74.0	-25.9	Peak	Horizontal
	11693.0	29.7	19.2	48.9	74.0	-25.1	Peak	Horizontal
*	9814.5	31.5	15.4	46.9	68.2	-21.3	Peak	Vertical
*	10307.5	31.6	16.6	48.2	68.2	-20.0	Peak	Vertical
	11021.5	30.7	18.5	49.2	74.0	-24.8	Peak	Vertical
	11905.5	30.8	18.6	49.4	74.0	-24.6	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	AC1300 Mini Wireless MU-MIMO USB Adapter	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/11/16
Test Mode	802.11n-HT40 - Ant 0 + 1	Test Channel	134
Note	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9619.0	33.1	14.4	47.5	68.2	-20.7	Peak	Horizontal
*	10307.5	31.4	16.6	48.0	68.2	-20.2	Peak	Horizontal
	11336.0	34.1	19.0	53.1	74.0	-20.9	Peak	Horizontal
	12033.0	31.8	18.8	50.6	74.0	-23.4	Peak	Horizontal
*	9950.5	33.8	15.3	49.1	68.2	-19.1	Peak	Vertical
*	10409.5	30.9	17.0	47.9	68.2	-20.3	Peak	Vertical
	11336.0	34.6	19.0	53.6	74.0	-20.4	Peak	Vertical
	12143.5	30.8	18.9	49.7	74.0	-24.3	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	AC1300 Mini Wireless MU-MIMO USB Adapter	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/11/16
Test Mode	802.11n-HT40 - Ant 0 + 1	Test Channel	151
Note	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9772.0	32.3	14.9	47.2	68.2	-21.0	Peak	Horizontal
*	10401.0	30.8	16.9	47.7	68.2	-20.5	Peak	Horizontal
	11514.5	35.8	19.4	55.2	74.0	-18.8	Peak	Horizontal
	11514.5	22.6	19.4	42.0	54.0	-12.0	Average	Horizontal
	11897.0	30.4	18.6	49.0	74.0	-25.0	Peak	Horizontal
*	9721.0	32.2	14.7	46.9	68.2	-21.3	Peak	Vertical
*	10035.5	33.0	15.5	48.5	68.2	-19.7	Peak	Vertical
	11514.5	34.2	19.4	53.6	74.0	-20.4	Peak	Vertical
	12084.0	32.1	18.9	51.0	74.0	-23.0	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	AC1300 Mini Wireless MU-MIMO USB Adapter	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/11/16
Test Mode	802.11n-HT40 - Ant 0 + 1	Test Channel	159
Note	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9687.0	32.2	14.6	46.8	68.2	-21.4	Peak	Horizontal
*	10367.0	32.3	16.8	49.1	68.2	-19.1	Peak	Horizontal
	11591.0	33.5	19.5	53.0	74.0	-21.0	Peak	Horizontal
	12211.5	32.8	18.8	51.6	74.0	-22.4	Peak	Horizontal
*	9772.0	34.0	14.9	48.9	68.2	-19.3	Peak	Vertical
*	10282.0	33.3	16.5	49.8	68.2	-18.4	Peak	Vertical
	11582.5	35.2	19.5	54.7	74.0	-19.3	Peak	Vertical
	11582.5	21.3	19.5	40.8	54.0	-13.2	Average	Vertical
	12084.0	32.2	18.9	51.1	74.0	-22.9	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	AC1300 Mini Wireless MU-MIMO USB Adapter	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/11/16
Test Mode	802.11ac-VHT20 - Ant 0 + 1	Test Channel	36
Note	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9636.0	32.2	14.4	46.6	68.2	-21.6	Peak	Horizontal
*	10358.5	45.1	16.8	61.9	68.2	-6.3	Peak	Horizontal
	11047.0	29.8	18.5	48.3	74.0	-25.7	Peak	Horizontal
	11633.5	30.4	19.4	49.8	74.0	-24.2	Peak	Horizontal
*	9950.5	33.3	15.3	48.6	68.2	-19.6	Peak	Vertical
*	10358.5	39.9	16.8	56.7	68.2	-11.5	Peak	Vertical
	10970.5	31.3	18.4	49.7	74.0	-24.3	Peak	Vertical
	11829.0	31.5	18.7	50.2	74.0	-23.8	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	AC1300 Mini Wireless MU-MIMO USB Adapter	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/11/16
Test Mode	802.11ac-VHT20 - Ant 0 + 1	Test Channel	44
Note	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9925.0	33.8	15.3	49.1	68.2	-19.1	Peak	Horizontal
*	10435.0	41.0	17.0	58.0	68.2	-10.2	Peak	Horizontal
	11191.5	29.3	18.7	48.0	74.0	-26.0	Peak	Horizontal
	11735.5	30.1	19.0	49.1	74.0	-24.9	Peak	Horizontal
*	9925.0	33.8	15.3	49.1	68.2	-19.1	Peak	Vertical
*	10452.0	36.6	17.1	53.7	68.2	-14.5	Peak	Vertical
	11021.5	30.1	18.5	48.6	74.0	-25.4	Peak	Vertical
	11905.5	30.3	18.6	48.9	74.0	-25.1	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	AC1300 Mini Wireless MU-MIMO USB Adapter	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/11/16
Test Mode	802.11ac-VHT20 - Ant 0 + 1	Test Channel	48
Note	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9772.0	34.9	14.9	49.8	68.2	-18.4	Peak	Horizontal
*	10486.0	40.6	17.1	57.7	68.2	-10.5	Peak	Horizontal
	10885.5	30.5	18.3	48.8	74.0	-25.2	Peak	Horizontal
	12109.5	30.9	18.9	49.8	74.0	-24.2	Peak	Horizontal
*	9644.5	33.1	14.4	47.5	68.2	-20.7	Peak	Vertical
*	10486.0	38.8	17.1	55.9	68.2	-12.3	Peak	Vertical
	11123.5	30.3	18.6	48.9	74.0	-25.1	Peak	Vertical
	11922.5	31.1	18.6	49.7	74.0	-24.3	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	AC1300 Mini Wireless MU-MIMO USB Adapter	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/11/16
Test Mode	802.11ac-VHT20 - Ant 0 + 1	Test Channel	52
Note	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9925.0	33.9	15.3	49.2	68.2	-19.0	Peak	Horizontal
*	10520.0	41.6	17.2	58.8	68.2	-9.4	Peak	Horizontal
	11421.0	30.7	19.1	49.8	74.0	-24.2	Peak	Horizontal
	12271.0	31.0	18.6	49.6	74.0	-24.4	Peak	Horizontal
*	9916.5	33.9	15.3	49.2	68.2	-19.0	Peak	Vertical
*	10520.0	37.9	17.2	55.1	68.2	-13.1	Peak	Vertical
	11081.0	30.9	18.6	49.5	74.0	-24.5	Peak	Vertical
	11327.5	31.6	18.9	50.5	74.0	-23.5	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	AC1300 Mini Wireless MU-MIMO USB Adapter	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/11/16
Test Mode	802.11ac-VHT20 - Ant 0 + 1	Test Channel	60
Note	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10129.0	34.0	15.9	49.9	68.2	-18.3	Peak	Horizontal
*	10596.5	41.1	17.3	58.4	68.2	-9.8	Peak	Horizontal
	10987.5	31.4	18.5	49.9	74.0	-24.1	Peak	Horizontal
	12118.0	31.7	18.9	50.6	74.0	-23.4	Peak	Horizontal
*	9865.5	32.3	16.0	48.3	68.2	-19.9	Peak	Vertical
*	10596.5	38.1	17.3	55.4	68.2	-12.8	Peak	Vertical
	11089.5	30.7	18.6	49.3	74.0	-24.7	Peak	Vertical
	11650.5	31.5	19.3	50.8	74.0	-23.2	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	AC1300 Mini Wireless MU-MIMO USB Adapter	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/11/16
Test Mode	802.11ac-VHT20 - Ant 0 + 1	Test Channel	64
Note	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9636.0	31.7	14.4	46.1	68.2	-22.1	Peak	Horizontal
*	10171.5	31.5	16.1	47.6	68.2	-20.6	Peak	Horizontal
	10639.0	39.5	17.4	56.9	74.0	-17.1	Peak	Horizontal
	10639.0	24.5	17.4	41.9	54.0	-12.1	Average	Horizontal
	11684.5	30.2	19.2	49.4	74.0	-24.6	Peak	Horizontal
*	9678.5	32.2	14.6	46.8	68.2	-21.4	Peak	Vertical
*	10078.0	31.8	15.6	47.4	68.2	-20.8	Peak	Vertical
	10639.0	37.1	17.4	54.5	74.0	-19.5	Peak	Vertical
	10639.0	21.3	17.4	38.7	54.0	-15.3	Average	Vertical
	11846.0	29.9	18.7	48.6	74.0	-25.4	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	AC1300 Mini Wireless MU-MIMO USB Adapter	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/11/16
Test Mode	802.11ac-VHT20 - Ant 0 + 1	Test Channel	100
Note	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9916.5	33.4	15.3	48.7	68.2	-19.5	Peak	Horizontal
*	10350.0	31.9	16.8	48.7	68.2	-19.5	Peak	Horizontal
	11004.5	39.4	18.5	57.9	74.0	-16.1	Peak	Horizontal
	11004.5	23.8	18.5	42.3	54.0	-11.7	Average	Horizontal
	12169.0	31.0	18.8	49.8	74.0	-24.2	Peak	Horizontal
*	9874.0	32.0	15.8	47.8	68.2	-20.4	Peak	Vertical
*	10392.5	32.9	16.9	49.8	68.2	-18.4	Peak	Vertical
	11140.5	30.9	18.7	49.6	74.0	-24.4	Peak	Vertical
	11854.5	31.5	18.7	50.2	74.0	-23.8	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	AC1300 Mini Wireless MU-MIMO USB Adapter	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/11/16
Test Mode	802.11ac-VHT20 - Ant 0 + 1	Test Channel	116
Note	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9840.0	32.9	16.0	48.9	68.2	-19.3	Peak	Horizontal
*	10528.5	32.5	17.2	49.7	68.2	-18.5	Peak	Horizontal
	11166.0	35.0	18.7	53.7	74.0	-20.3	Peak	Horizontal
	12143.5	32.4	18.9	51.3	74.0	-22.7	Peak	Horizontal
*	9959.0	34.0	15.3	49.3	68.2	-18.9	Peak	Vertical
*	10307.5	32.0	16.6	48.6	68.2	-19.6	Peak	Vertical
	11157.5	32.7	18.7	51.4	74.0	-22.6	Peak	Vertical
	12084.0	31.9	18.9	50.8	74.0	-23.2	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	AC1300 Mini Wireless MU-MIMO USB Adapter	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/11/16
Test Mode	802.11ac-VHT20 - Ant 0 + 1	Test Channel	140
Note	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9967.5	33.8	15.3	49.1	68.2	-19.1	Peak	Horizontal
*	10401.0	31.1	16.9	48.0	68.2	-20.2	Peak	Horizontal
	11072.5	30.3	18.6	48.9	74.0	-25.1	Peak	Horizontal
	11642.0	29.8	19.4	49.2	74.0	-24.8	Peak	Horizontal
*	9721.0	34.3	14.7	49.0	68.2	-19.2	Peak	Vertical
*	10120.5	32.6	15.8	48.4	68.2	-19.8	Peak	Vertical
	11200.0	29.5	18.7	48.2	74.0	-25.8	Peak	Vertical
	12126.5	30.6	18.9	49.5	74.0	-24.5	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	AC1300 Mini Wireless MU-MIMO USB Adapter	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/11/16
Test Mode	802.11ac-VHT20 - Ant 0 + 1	Test Channel	149
Note	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9942.0	32.5	15.3	47.8	68.2	-20.4	Peak	Horizontal
*	10197.0	31.7	16.2	47.9	68.2	-20.3	Peak	Horizontal
	11489.0	38.0	19.3	57.3	74.0	-16.7	Peak	Horizontal
	11489.0	26.4	19.3	45.7	54.0	-8.3	Average	Horizontal
	12534.5	32.1	18.6	50.7	74.0	-23.3	Peak	Horizontal
*	9874.0	31.7	15.8	47.5	68.2	-20.7	Peak	Vertical
*	10443.5	30.0	17.1	47.1	68.2	-21.1	Peak	Vertical
	11497.5	39.0	19.3	58.3	74.0	-15.7	Peak	Vertical
	11497.5	26.9	19.3	46.2	54.0	-7.8	Average	Vertical
	12458.0	32.1	18.4	50.5	74.0	-23.5	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	AC1300 Mini Wireless MU-MIMO USB Adapter	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/11/16
Test Mode	802.11ac-VHT20 - Ant 0 + 1	Test Channel	157
Note	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9908.0	33.5	15.3	48.8	68.2	-19.4	Peak	Horizontal
*	10333.0	31.0	16.7	47.7	68.2	-20.5	Peak	Horizontal
	11582.5	35.5	19.5	55.0	74.0	-19.0	Peak	Horizontal
	11582.5	23.6	19.5	43.1	54.0	-10.9	Average	Horizontal
	12067.0	31.3	18.8	50.1	74.0	-23.9	Peak	Horizontal
*	9916.5	34.1	15.3	49.4	68.2	-18.8	Peak	Vertical
*	10443.5	30.8	17.1	47.9	68.2	-20.3	Peak	Vertical
	11574.0	36.8	19.5	56.3	74.0	-17.7	Peak	Vertical
	11574.0	22.5	19.5	42.0	54.0	-12.0	Average	Vertical
	12075.5	32.4	18.9	51.3	74.0	-22.7	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	AC1300 Mini Wireless MU-MIMO USB Adapter	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/11/16
Test Mode	802.11ac-VHT20 - Ant 0 + 1	Test Channel	165
Note	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9899.5	33.1	15.4	48.5	68.2	-19.7	Peak	Horizontal
*	10265.0	31.4	16.5	47.9	68.2	-20.3	Peak	Horizontal
	11650.5	38.6	19.3	57.9	74.0	-16.1	Peak	Horizontal
	11650.5	24.0	19.3	43.3	54.0	-10.7	Average	Horizontal
	12356.0	30.5	18.4	48.9	74.0	-25.1	Peak	Horizontal
*	9916.5	33.2	15.3	48.5	68.2	-19.7	Peak	Vertical
*	10401.0	30.2	16.9	47.1	68.2	-21.1	Peak	Vertical
	11650.5	34.6	19.3	53.9	74.0	-20.1	Peak	Vertical
	11650.5	26.6	19.3	45.9	54.0	-8.1	Average	Vertical
	12611.0	31.4	18.7	50.1	74.0	-23.9	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	AC1300 Mini Wireless MU-MIMO USB Adapter	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/11/16
Test Mode	802.11ac-VHT40 - Ant 0 + 1	Test Channel	38
Note	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10154.5	33.4	16.0	49.4	68.2	-18.8	Peak	Horizontal
*	10367.0	42.1	16.8	58.9	68.2	-9.3	Peak	Horizontal
	11353.0	30.5	19.0	49.5	74.0	-24.5	Peak	Horizontal
	12135.0	31.1	18.9	50.0	74.0	-24.0	Peak	Horizontal
*	10001.5	33.5	15.4	48.9	68.2	-19.3	Peak	Vertical
*	10375.5	39.3	16.9	56.2	68.2	-12.0	Peak	Vertical
	11404.0	29.3	19.1	48.4	74.0	-25.6	Peak	Vertical
	12228.5	30.4	18.7	49.1	74.0	-24.9	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	AC1300 Mini Wireless MU-MIMO USB Adapter	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/11/16
Test Mode	802.11ac-VHT40 - Ant 0 + 1	Test Channel	46
Note	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9593.5	33.6	14.4	48.0	68.2	-20.2	Peak	Horizontal
*	10460.5	40.7	17.1	57.8	68.2	-10.4	Peak	Horizontal
	11565.5	30.7	19.5	50.2	74.0	-23.8	Peak	Horizontal
	12220.0	31.4	18.7	50.1	74.0	-23.9	Peak	Horizontal
*	9916.5	33.9	15.3	49.2	68.2	-19.0	Peak	Vertical
*	10460.5	38.0	17.1	55.1	68.2	-13.1	Peak	Vertical
	11293.5	31.4	18.9	50.3	74.0	-23.7	Peak	Vertical
	12118.0	31.9	18.9	50.8	74.0	-23.2	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	AC1300 Mini Wireless MU-MIMO USB Adapter	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/11/16
Test Mode	802.11ac-VHT40 - Ant 0 + 1	Test Channel	54
Note	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9797.5	33.6	15.1	48.7	68.2	-19.5	Peak	Horizontal
*	10537.0	38.7	17.2	55.9	68.2	-12.3	Peak	Horizontal
	11123.5	29.6	18.6	48.2	74.0	-25.8	Peak	Horizontal
	11948.0	30.0	18.6	48.6	74.0	-25.4	Peak	Horizontal
*	10010.0	33.9	15.4	49.3	68.2	-18.9	Peak	Vertical
*	10537.0	35.7	17.2	52.9	68.2	-15.3	Peak	Vertical
	11633.5	29.9	19.4	49.3	74.0	-24.7	Peak	Vertical
	12169.0	30.5	18.8	49.3	74.0	-24.7	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	AC1300 Mini Wireless MU-MIMO USB Adapter	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/11/16
Test Mode	802.11ac-VHT40 - Ant 0 + 1	Test Channel	62
Note	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9755.0	33.2	14.8	48.0	68.2	-20.2	Peak	Horizontal
*	10171.5	31.2	16.1	47.3	68.2	-20.9	Peak	Horizontal
	10622.0	37.3	17.3	54.6	74.0	-19.4	Peak	Horizontal
	10622.0	21.5	17.3	38.8	54.0	-15.2	Average	Horizontal
	11795.0	29.3	18.8	48.1	74.0	-25.9	Peak	Horizontal
*	9593.5	33.3	14.4	47.7	68.2	-20.5	Peak	Vertical
*	10044.0	32.6	15.5	48.1	68.2	-20.1	Peak	Vertical
	11183.0	31.0	18.7	49.7	74.0	-24.3	Peak	Vertical
	12177.5	31.0	18.8	49.8	74.0	-24.2	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	AC1300 Mini Wireless MU-MIMO USB Adapter	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/11/16
Test Mode	802.11ac-VHT40 - Ant 0 + 1	Test Channel	102
Note	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9644.5	32.7	14.4	47.1	68.2	-21.1	Peak	Horizontal
*	10044.0	32.8	15.5	48.3	68.2	-19.9	Peak	Horizontal
	11693.0	30.0	19.2	49.2	74.0	-24.8	Peak	Horizontal
	12118.0	31.1	18.9	50.0	74.0	-24.0	Peak	Horizontal
*	9984.5	32.9	15.4	48.3	68.2	-19.9	Peak	Vertical
*	10401.0	30.9	16.9	47.8	68.2	-20.4	Peak	Vertical
	11676.0	30.1	19.2	49.3	74.0	-24.7	Peak	Vertical
	12271.0	30.0	18.6	48.6	74.0	-25.4	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	AC1300 Mini Wireless MU-MIMO USB Adapter	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/11/16
Test Mode	802.11ac-VHT40 - Ant 0 + 1	Test Channel	110
Note	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9925.0	33.4	15.3	48.7	68.2	-19.5	Peak	Horizontal
*	10222.5	32.5	16.3	48.8	68.2	-19.4	Peak	Horizontal
	11106.5	35.1	18.6	53.7	74.0	-20.3	Peak	Horizontal
	12109.5	31.7	18.9	50.6	74.0	-23.4	Peak	Horizontal
*	9746.5	33.6	14.8	48.4	68.2	-19.8	Peak	Vertical
*	10256.5	33.5	16.5	50.0	68.2	-18.2	Peak	Vertical
	11667.5	30.8	19.3	50.1	74.0	-23.9	Peak	Vertical
	12220.0	30.4	18.7	49.1	74.0	-24.9	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	AC1300 Mini Wireless MU-MIMO USB Adapter	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/11/16
Test Mode	802.11ac-VHT40 - Ant 0 + 1	Test Channel	134
Note	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9636.0	33.8	14.4	48.2	68.2	-20.0	Peak	Horizontal
*	10095.0	33.6	15.7	49.3	68.2	-18.9	Peak	Horizontal
	11123.5	30.1	18.6	48.7	74.0	-25.3	Peak	Horizontal
	11871.5	30.0	18.7	48.7	74.0	-25.3	Peak	Horizontal
*	9814.5	31.8	15.4	47.2	68.2	-21.0	Peak	Vertical
*	10375.5	30.8	16.9	47.7	68.2	-20.5	Peak	Vertical
	11123.5	29.6	18.6	48.2	74.0	-25.8	Peak	Vertical
	12016.0	30.0	18.7	48.7	74.0	-25.3	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	AC1300 Mini Wireless MU-MIMO USB Adapter	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/11/16
Test Mode	802.11ac-VHT40 - Ant 0 + 1	Test Channel	151
Note	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9959.0	31.8	15.3	47.1	68.2	-21.1	Peak	Horizontal
*	10418.0	30.8	17.0	47.8	68.2	-20.4	Peak	Horizontal
	10996.0	30.2	18.5	48.7	74.0	-25.3	Peak	Horizontal
	12194.5	30.3	18.8	49.1	74.0	-24.9	Peak	Horizontal
*	9661.5	32.1	14.5	46.6	68.2	-21.6	Peak	Vertical
*	10443.5	30.1	17.1	47.2	68.2	-21.0	Peak	Vertical
	10783.5	30.5	17.8	48.3	74.0	-25.7	Peak	Vertical
	12033.0	31.2	18.8	50.0	74.0	-24.0	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	AC1300 Mini Wireless MU-MIMO USB Adapter	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/11/16
Test Mode	802.11ac-VHT40 - Ant 0 + 1 + 2 + 3 (CDD Mode)	Test Channel	159
Note	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9746.5	32.6	14.8	47.4	68.2	-20.8	Peak	Horizontal
*	10078.0	31.7	15.6	47.3	68.2	-20.9	Peak	Horizontal
	11565.5	34.8	19.5	54.3	74.0	-19.7	Peak	Horizontal
	11580.0	22.6	19.5	42.1	54.0	-11.9	Average	Horizontal
	12271.0	30.1	18.6	48.7	74.0	-25.3	Peak	Horizontal
*	9619.0	32.4	14.4	46.8	68.2	-21.4	Peak	Vertical
*	10095.0	32.1	15.7	47.8	68.2	-20.4	Peak	Vertical
	11429.5	29.4	19.2	48.6	74.0	-25.4	Peak	Vertical
	11871.5	29.9	18.7	48.6	74.0	-25.4	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	AC1300 Mini Wireless MU-MIMO USB Adapter	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/11/16
Test Mode	802.11ac-VHT80 - Ant 0 + 1	Test Channel	42
Note	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9789.0	31.1	15.0	46.1	68.2	-22.1	Peak	Horizontal
*	10469.0	31.1	17.1	48.2	68.2	-20.0	Peak	Horizontal
	11327.5	30.0	18.9	48.9	74.0	-25.1	Peak	Horizontal
	12058.5	30.3	18.8	49.1	74.0	-24.9	Peak	Horizontal
*	9806.0	31.1	15.2	46.3	68.2	-21.9	Peak	Vertical
*	10350.0	31.1	16.8	47.9	68.2	-20.3	Peak	Vertical
	11327.5	29.9	18.9	48.8	74.0	-25.2	Peak	Vertical
	12109.5	30.8	18.9	49.7	74.0	-24.3	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	AC1300 Mini Wireless MU-MIMO USB Adapter	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/11/16
Test Mode	802.11ac-VHT80 - Ant 0 + 1	Test Channel	58
Note	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9763.5	32.5	14.9	47.4	68.2	-20.8	Peak	Horizontal
*	10299.0	32.6	16.6	49.2	68.2	-19.0	Peak	Horizontal
	11293.5	30.7	18.9	49.6	74.0	-24.4	Peak	Horizontal
	12560.0	29.3	18.6	47.9	74.0	-26.1	Peak	Horizontal
*	9806.0	31.1	15.2	46.3	68.2	-21.9	Peak	Vertical
*	10273.5	31.3	16.5	47.8	68.2	-20.4	Peak	Vertical
	11310.5	29.6	18.9	48.5	74.0	-25.5	Peak	Vertical
	11914.0	29.7	18.6	48.3	74.0	-25.7	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	AC1300 Mini Wireless MU-MIMO USB Adapter	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/11/16
Test Mode	802.11ac-VHT80 - Ant 0 + 1	Test Channel	106
Note	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9687.0	34.4	14.6	49.0	68.2	-19.2	Peak	Horizontal
*	10282.0	32.1	16.5	48.6	68.2	-19.6	Peak	Horizontal
	11378.5	29.1	19.1	48.2	74.0	-25.8	Peak	Horizontal
	12203.0	29.9	18.8	48.7	74.0	-25.3	Peak	Horizontal
*	9627.5	33.9	14.4	48.3	68.2	-19.9	Peak	Vertical
*	10180.0	32.2	16.1	48.3	68.2	-19.9	Peak	Vertical
	10826.0	30.6	18.0	48.6	74.0	-25.4	Peak	Vertical
	11735.5	30.2	19.0	49.2	74.0	-24.8	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	AC1300 Mini Wireless MU-MIMO USB Adapter	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/11/16
Test Mode	802.11ac-VHT80 - Ant 0 + 1	Test Channel	155
Note	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9993.0	34.1	15.4	49.5	68.2	-18.7	Peak	Horizontal
*	10265.0	32.0	16.5	48.5	68.2	-19.7	Peak	Horizontal
	10987.5	30.9	18.5	49.4	74.0	-24.6	Peak	Horizontal
	11531.5	30.3	19.4	49.7	74.0	-24.3	Peak	Horizontal
*	9959.0	34.0	15.3	49.3	68.2	-18.9	Peak	Vertical
*	10494.5	31.2	17.2	48.4	68.2	-19.8	Peak	Vertical
	11429.5	30.6	19.2	49.8	74.0	-24.2	Peak	Vertical
	12271.0	31.2	18.6	49.8	74.0	-24.2	Peak	Vertical

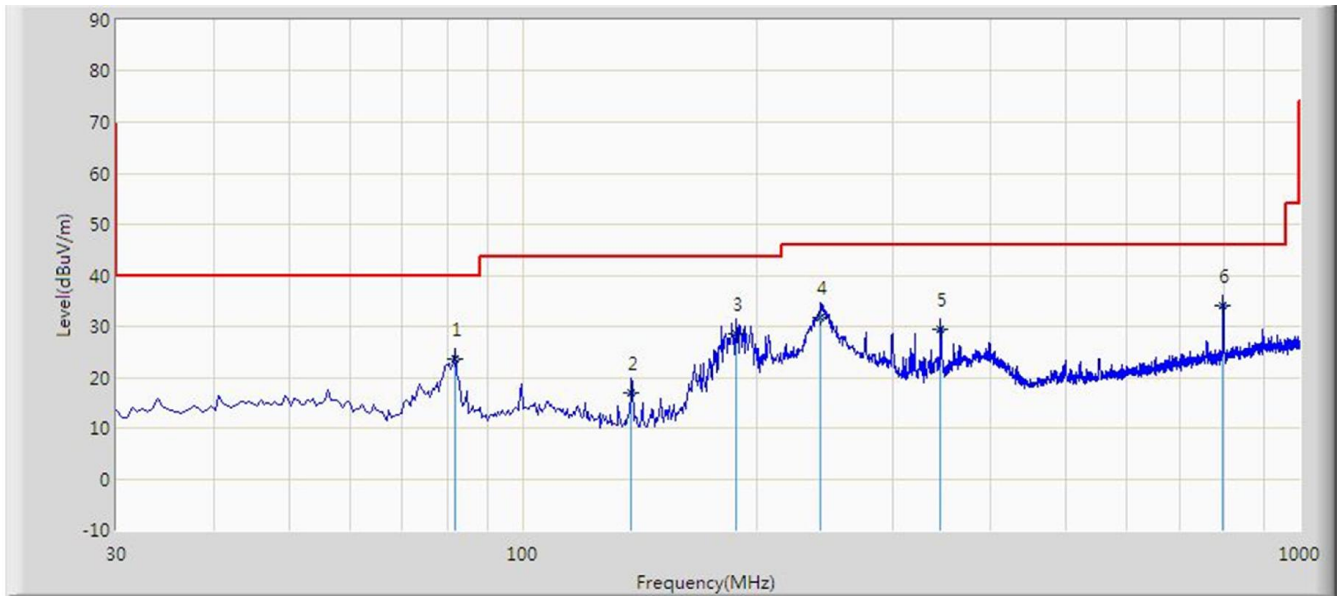
Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

The Worst Case of Radiated Emission below 1GHz:

Site: AC1	Time: 2019/03/08 - 02:49
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: VULB 9168 _20-2000MHz	Polarity: Horizontal
EUT: AC1300 Mini Wireless MU-MIMO USB Adapter	Power: AC 120V/60Hz
Test Mode: Worst case	



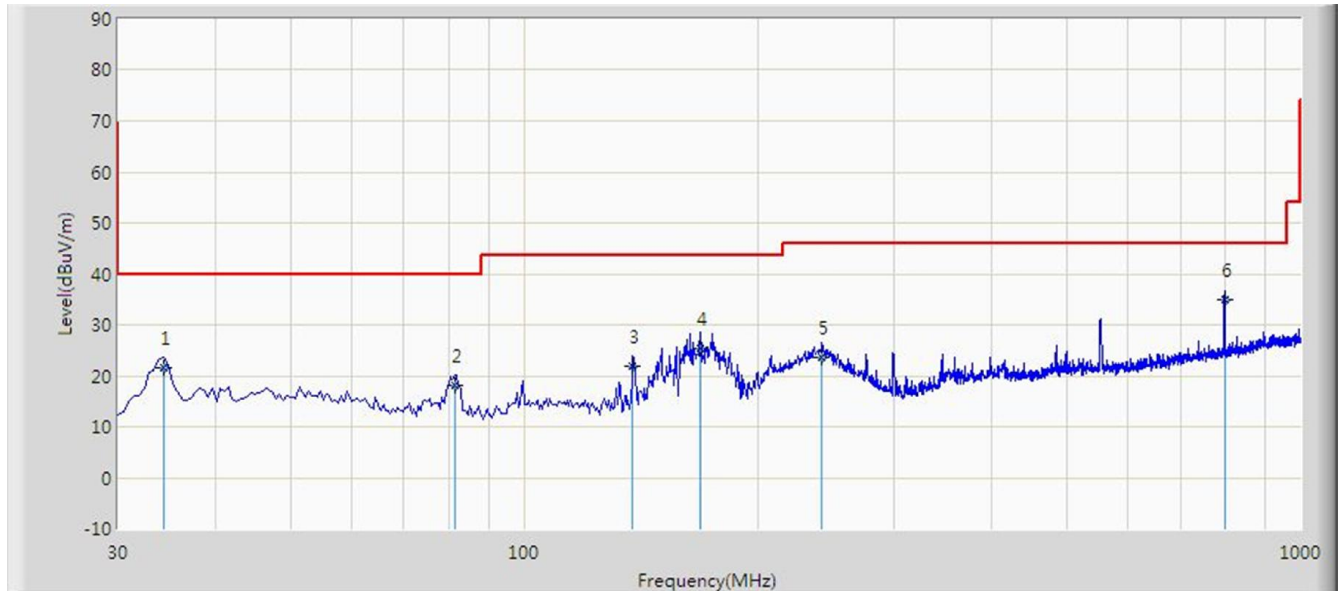
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			81.895	23.727	13.922	-16.273	40.000	9.805	QP
2			138.155	17.074	7.290	-26.426	43.500	9.784	QP
3		*	188.595	28.420	16.495	-15.080	43.500	11.925	QP
4			241.945	31.741	18.014	-14.259	46.000	13.728	QP
5			344.765	29.331	13.261	-16.669	46.000	16.070	QP
6			796.785	34.047	10.832	-11.953	46.000	23.215	QP

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

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

Note 2: The test trace is same as the ambient noise and the amplitude of the emissions are attenuated more than 20dB below the permissible (the test frequency range: 9kHz ~ 30MHz, 18GHz ~ 40GHz), therefore no data appear in the report.

Site: AC1	Time: 2019/03/08 - 02:50
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: VULB 9168 _20-2000MHz	Polarity: Vertical
EUT: AC1300 Mini Wireless MU-MIMO USB Adapter	Power: AC 120V/60Hz
Test Mode: Worst case	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			34.365	21.452	8.528	-18.548	40.000	12.924	QP
2			81.410	18.120	8.383	-21.880	40.000	9.736	QP
3		*	138.155	21.849	12.065	-21.651	43.500	9.784	QP
4			168.710	25.466	15.036	-18.034	43.500	10.430	QP
5			241.945	23.763	10.036	-22.237	46.000	13.728	QP
6			799.695	34.810	11.552	-11.190	46.000	23.259	QP

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

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

Note 2: The test trace is same as the ambient noise and the amplitude of the emissions are attenuated more than 20dB below the permissible (the test frequency range: 9kHz ~ 30MHz, 18GHz ~ 40GHz), therefore no data appear in the report.

7.9. Radiated Restricted Band Edge Measurement

7.9.1. 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 - 156.525	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 5.25-5.35 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 -27 dBm/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 that are outside of the restricted bands are subject to a maximum emission limit of -27 dBm/MHz (or -17 dBm/MHz as specified in § 15.407(b)(4)). However, an out-of-band emission that complies with both the peak and average limits of § 15.209 is not required to satisfy the -27 dBm/MHz or -17 dBm/MHz maximum emission limit.

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

7.9.2.Test Procedure Used

ANSI C63.10 Section 6.3 (General Requirements)

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

7.9.3. Test Setting

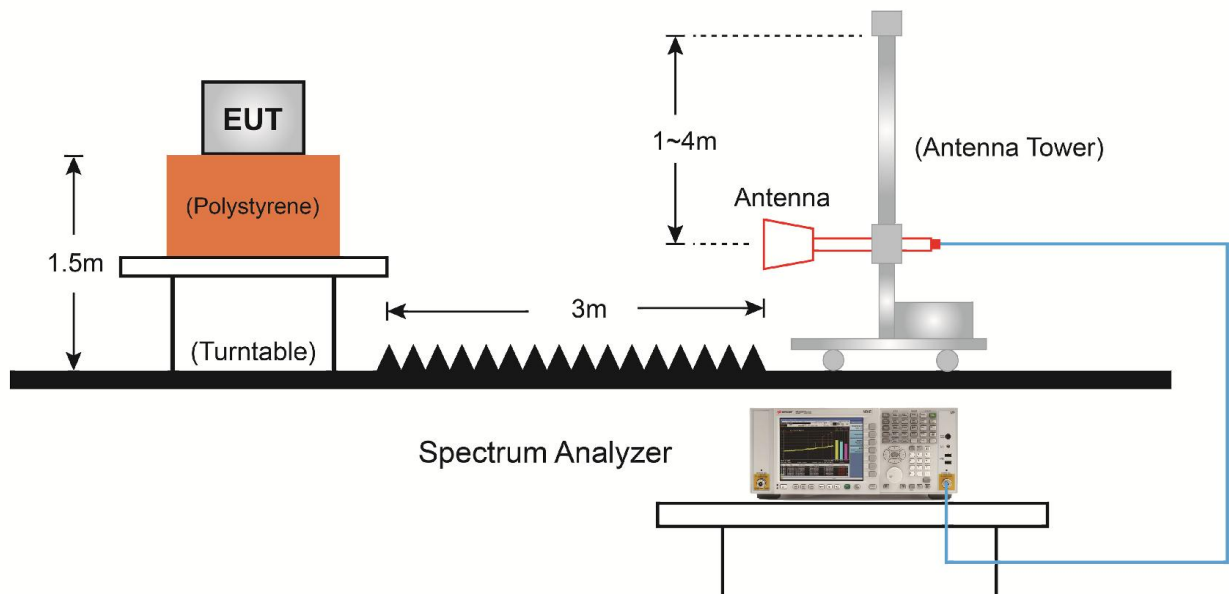
Peak Measurements above 1GHz

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)

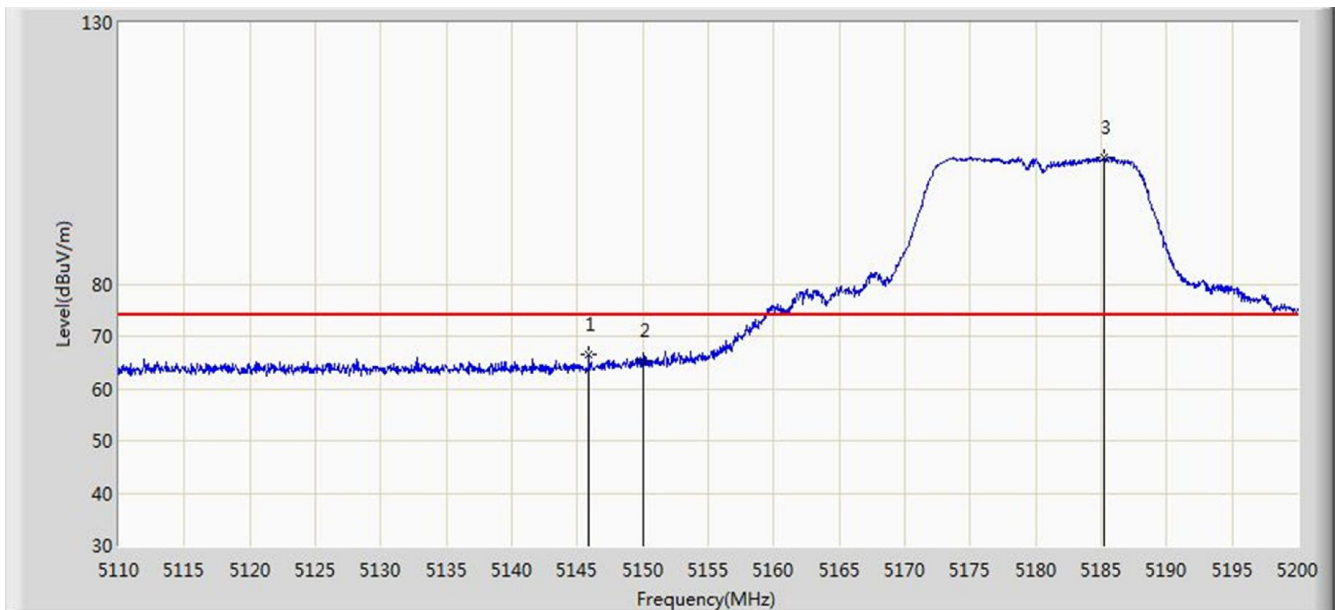
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW If the EUT is configured to transmit with duty cycle $\geq 98\%$, set $VBW \leq RBW/100$ (i.e., 10 kHz) but not less than 10 Hz. If the EUT duty cycle is $< 98\%$, set $VBW \geq 1/T$.
4. Detector = Peak
5. Sweep time = auto
6. Allow max hold to run for at least 50 traces if the transmitted signal is continuous or has at least 98% duty cycle. For lower duty cycles, increase the minimum number of traces by a factor of $1/x$, where x is the duty cycle.

7.9.4. Test Setup



7.9.5.Test Result

Site: AC1	Time: 2018/11/16 - 00:09
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC1300 Mini Wireless MU-MIMO USB Adapter	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5180MHz, Ant 0	

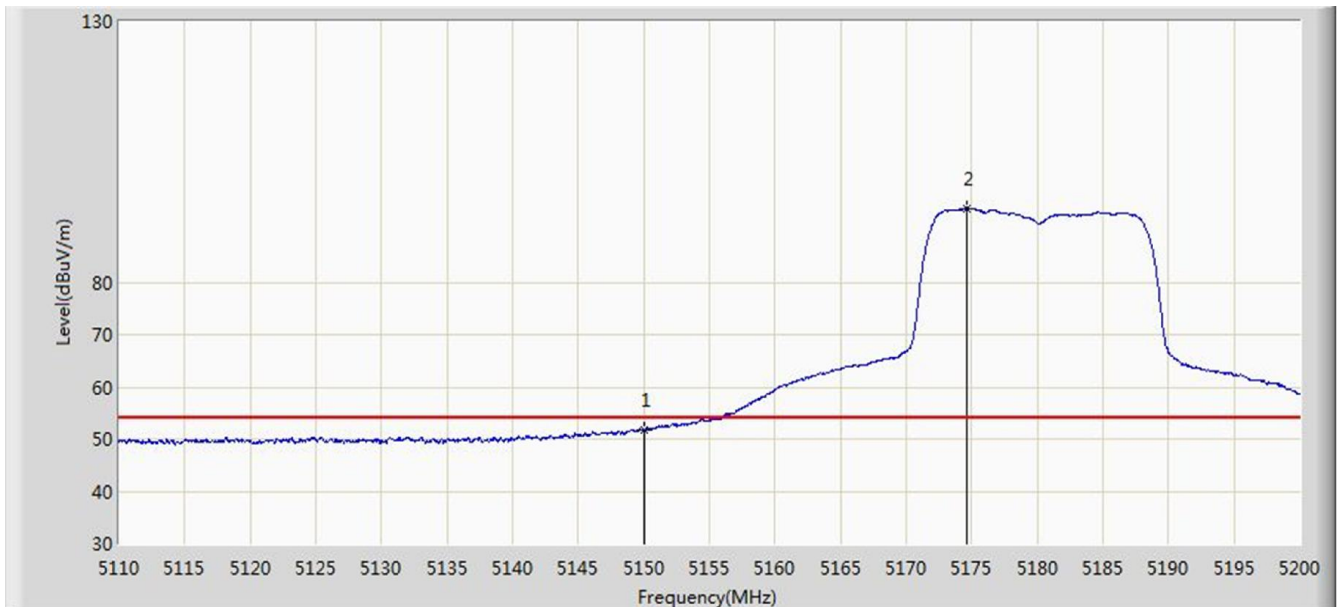


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5145.910	66.443	62.267	-7.557	74.000	4.176	PK
2			5150.000	65.450	61.281	-8.550	74.000	4.170	PK
3		*	5185.240	104.069	100.019	N/A	N/A	4.050	PK

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

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

Site: AC1	Time: 2018/11/16 - 00:17
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC1300 Mini Wireless MU-MIMO USB Adapter	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5180MHz, Ant 0	

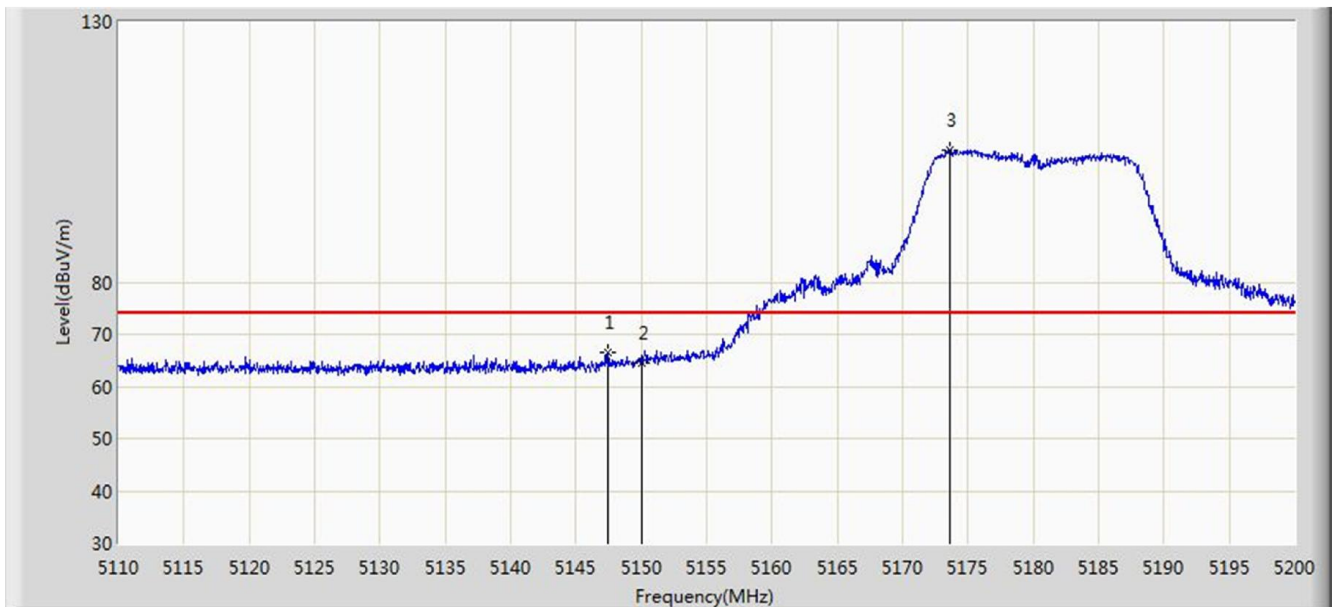


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	51.799	47.630	-2.201	54.000	4.170	AV
2		*	5174.620	94.163	90.075	N/A	N/A	4.088	AV

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

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

Site: AC1	Time: 2018/11/16 - 00:20
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC1300 Mini Wireless MU-MIMO USB Adapter	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5180MHz, Ant 0	

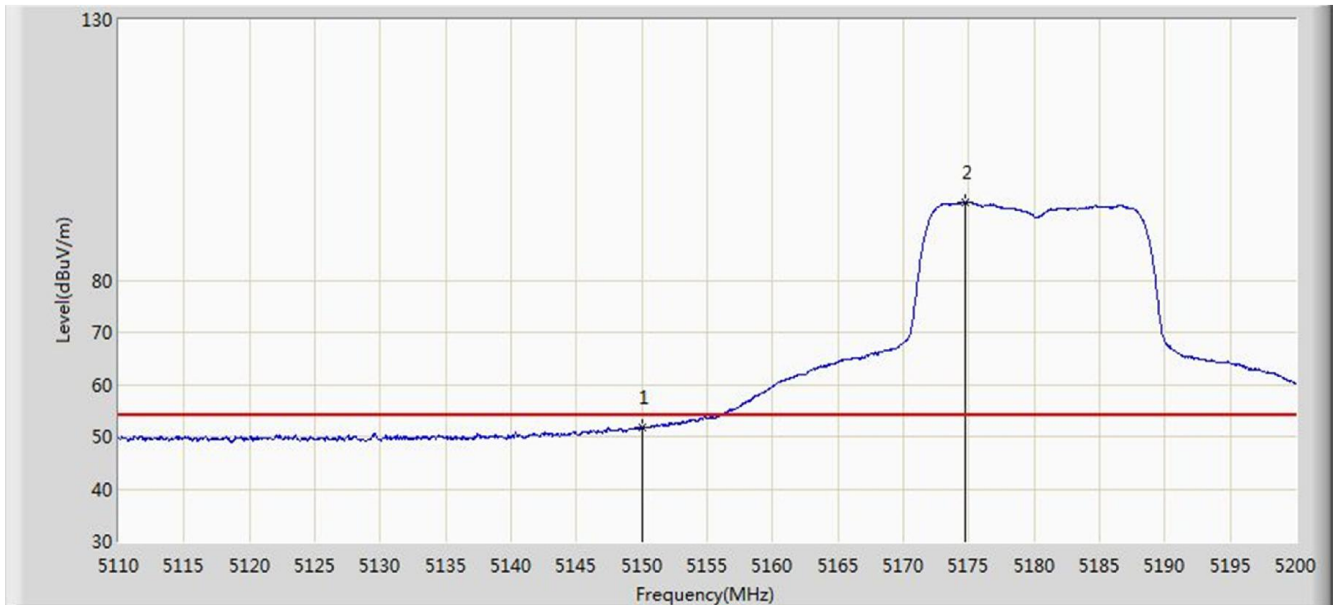


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5147.395	66.416	62.240	-7.584	74.000	4.175	PK
2			5150.000	64.355	60.186	-9.645	74.000	4.170	PK
3		*	5173.630	105.417	101.326	N/A	N/A	4.092	PK

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

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

Site: AC1	Time: 2018/11/16 - 00:22
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC1300 Mini Wireless MU-MIMO USB Adapter	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5180MHz, Ant 0	

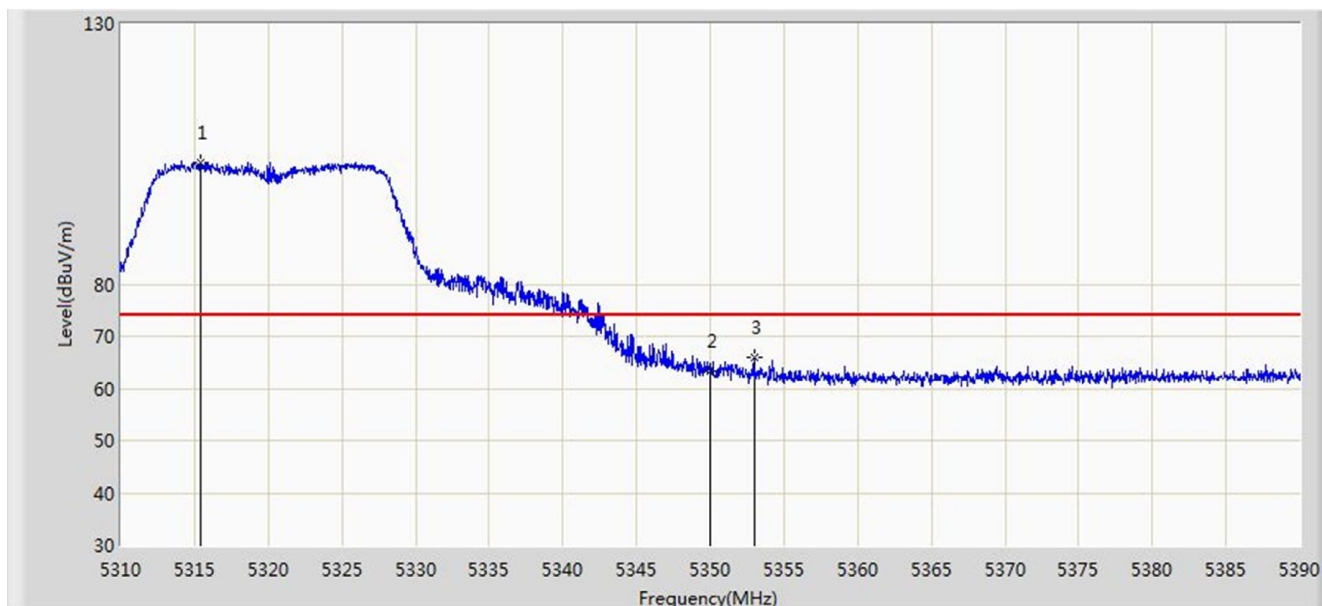


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	51.675	47.506	-2.325	54.000	4.170	AV
2		*	5174.710	95.065	90.977	N/A	N/A	4.088	AV

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

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

Site: AC1	Time: 2018/11/16 - 00:23
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC1300 Mini Wireless MU-MIMO USB Adapter	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5320MHz, Ant 0	

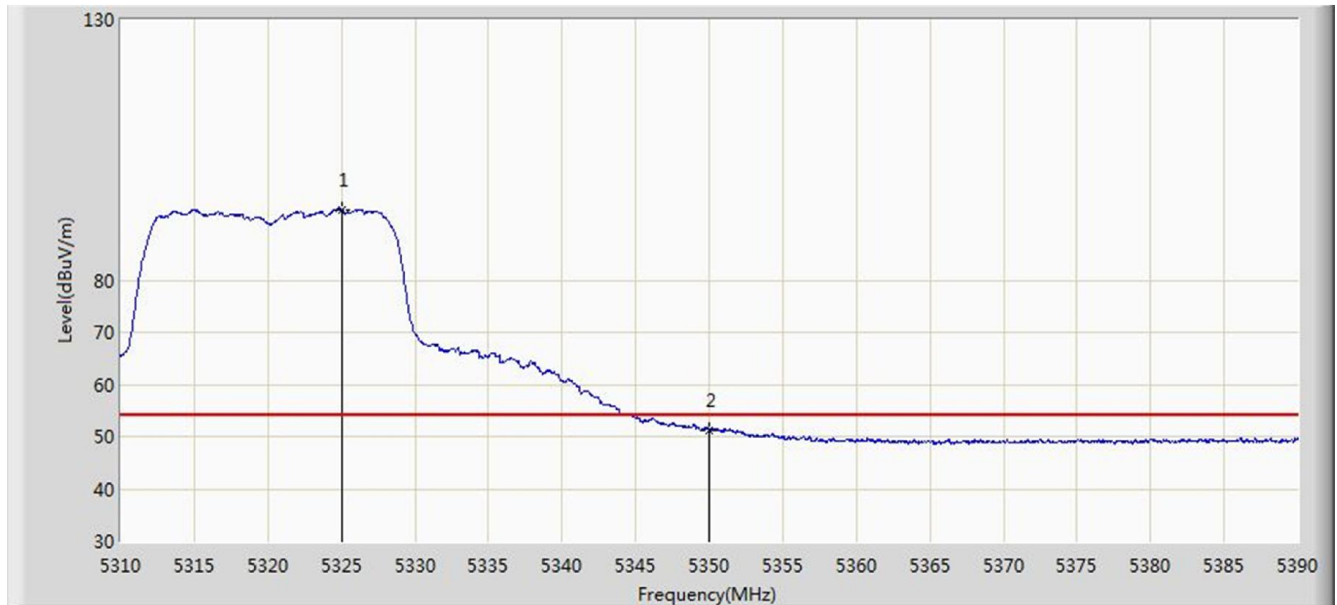


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5315.440	103.431	99.591	N/A	N/A	3.840	PK
2			5350.000	63.215	59.310	-10.785	74.000	3.904	PK
3			5352.960	65.977	62.067	-8.023	74.000	3.911	PK

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

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

Site: AC1	Time: 2018/11/16 - 00:25
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC1300 Mini Wireless MU-MIMO USB Adapter	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5320MHz, Ant 0	

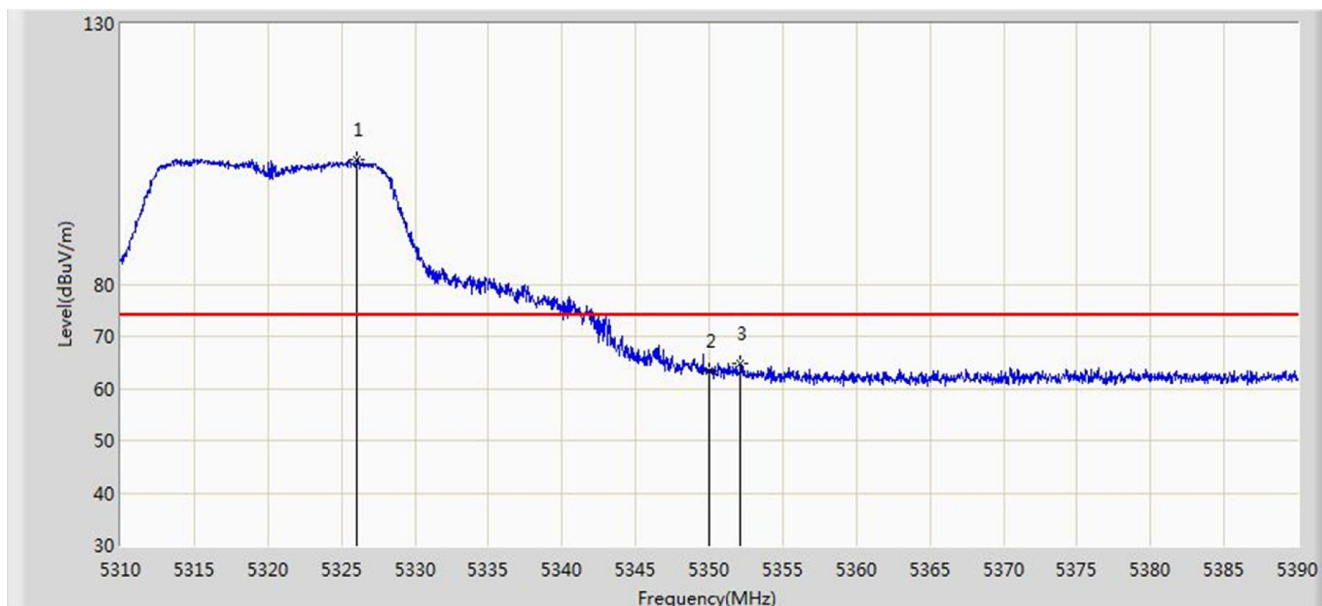


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5325.080	93.607	89.749	N/A	N/A	3.858	AV
2			5350.000	51.229	47.324	-2.771	54.000	3.904	AV

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

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

Site: AC1	Time: 2018/11/16 - 00:26
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC1300 Mini Wireless MU-MIMO USB Adapter	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5320MHz, Ant 0	

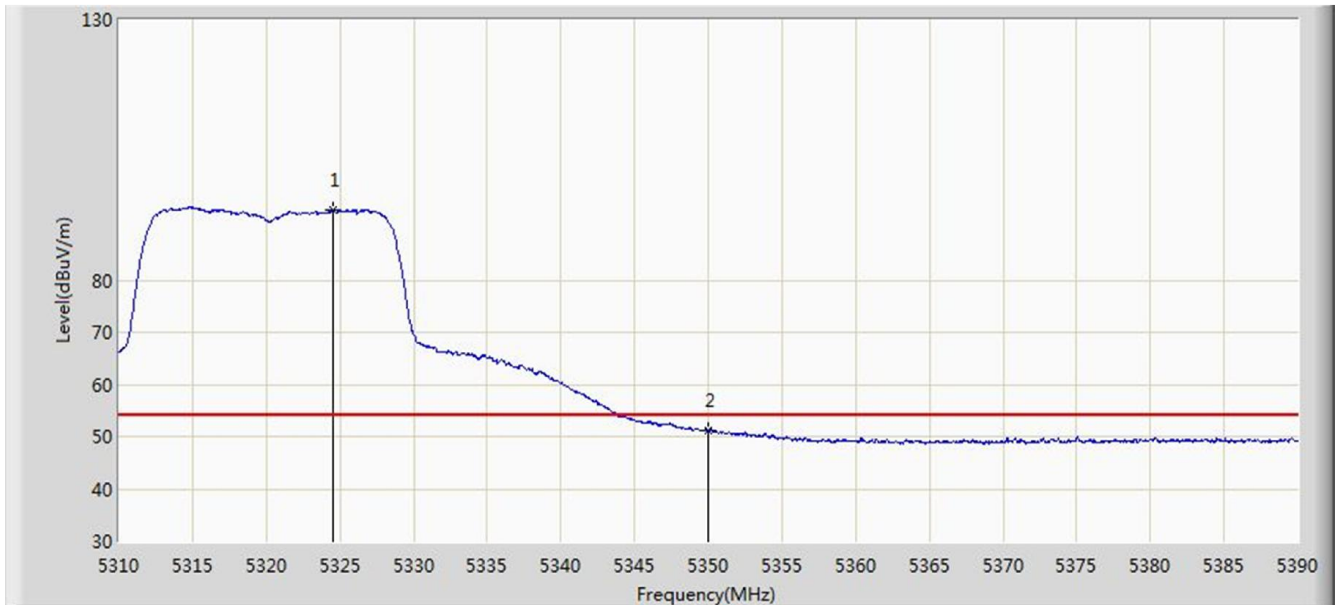


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5326.040	103.789	99.929	N/A	N/A	3.860	PK
2			5350.000	63.342	59.437	-10.658	74.000	3.904	PK
3			5352.120	64.716	60.807	-9.284	74.000	3.908	PK

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

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

Site: AC1	Time: 2018/11/16 - 00:26
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC1300 Mini Wireless MU-MIMO USB Adapter	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5320MHz, Ant 0	

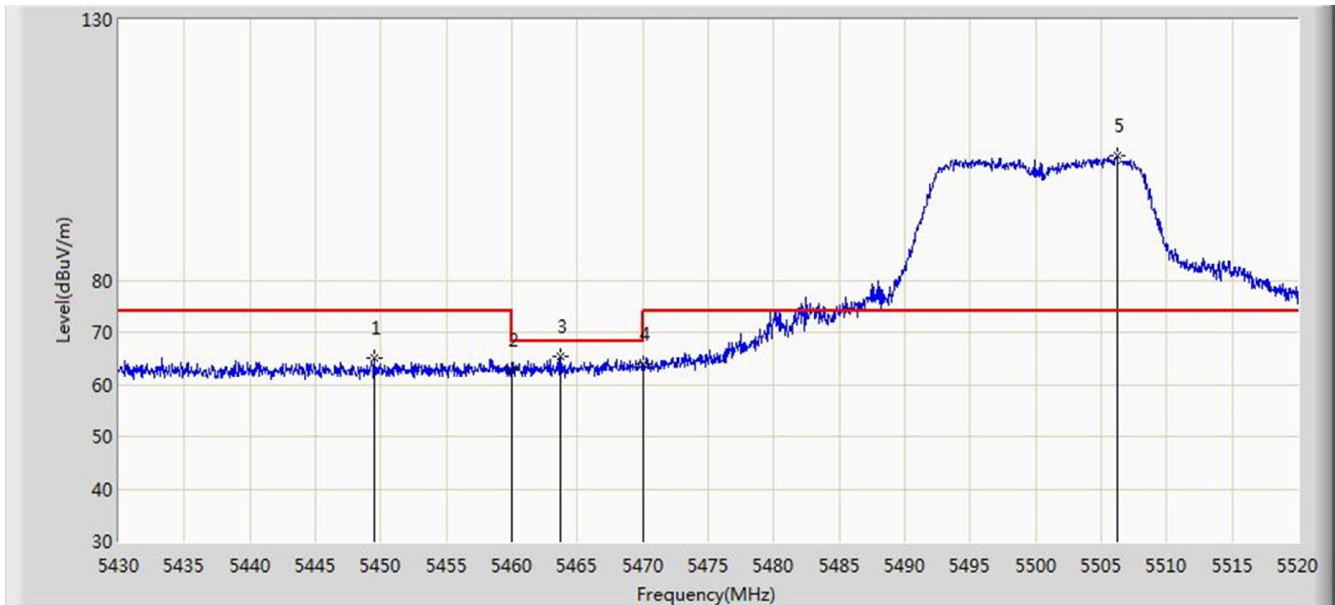


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5324.520	93.534	89.677	N/A	N/A	3.857	AV
2			5350.000	51.042	47.137	-2.958	54.000	3.904	AV

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

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

Site: AC1	Time: 2018/11/16 - 00:29
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC1300 Mini Wireless MU-MIMO USB Adapter	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5500MHz, Ant 0	

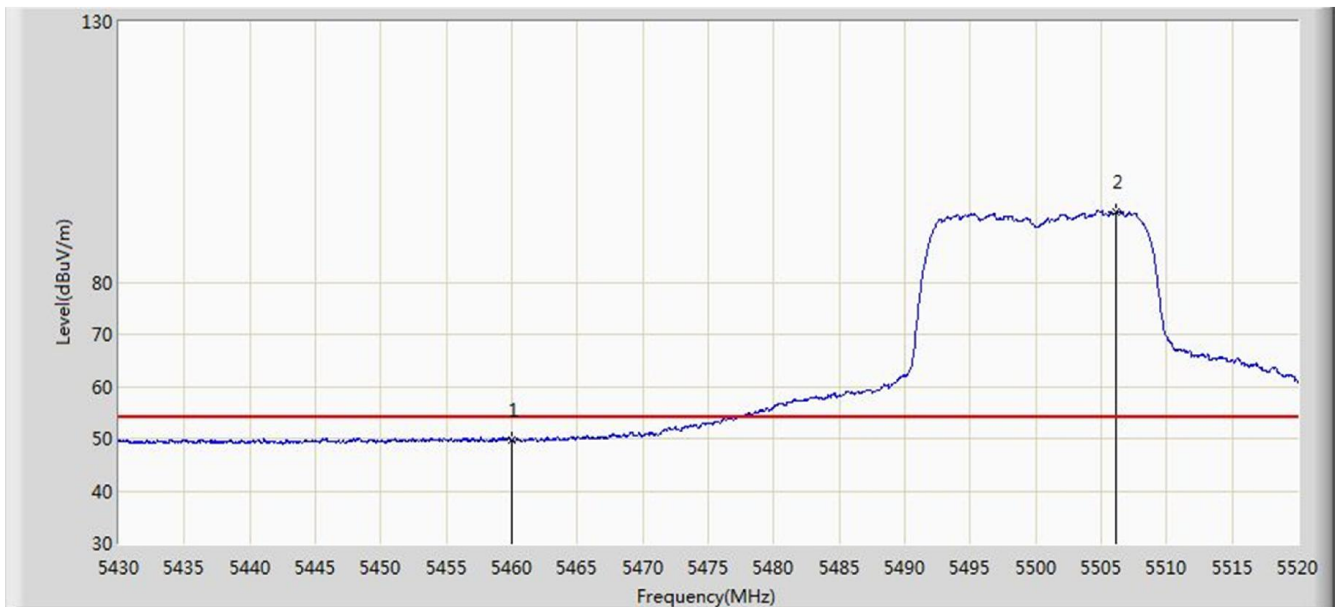


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5449.485	65.168	61.015	-8.832	74.000	4.153	PK
2			5460.000	62.797	58.617	-11.203	74.000	4.180	PK
3			5463.750	65.499	61.311	-2.701	68.200	4.189	PK
4			5470.000	63.937	59.735	-4.263	68.200	4.202	PK
5		*	5506.185	103.808	99.518	N/A	N/A	4.289	PK

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

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

Site: AC1	Time: 2018/11/16 - 00:31
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC1300 Mini Wireless MU-MIMO USB Adapter	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5500MHz, Ant 0	

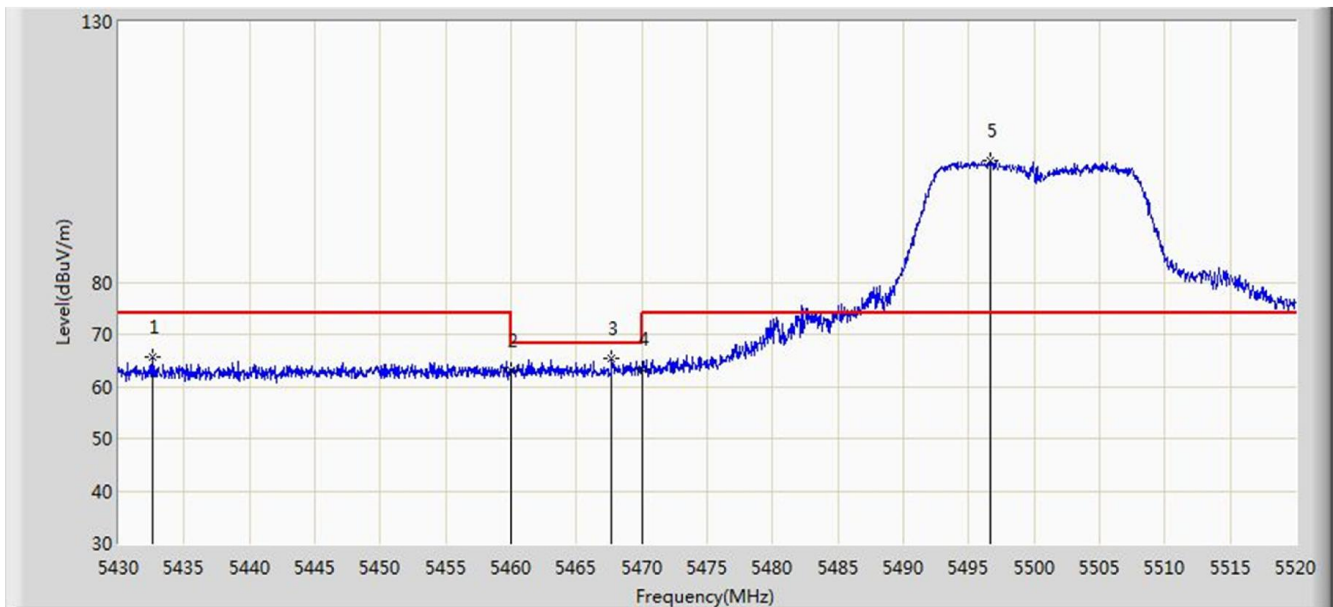


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	49.679	45.499	-4.321	54.000	4.180	AV
2		*	5506.140	93.541	89.251	N/A	N/A	4.289	AV

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

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

Site: AC1	Time: 2018/11/16 - 00:33
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC1300 Mini Wireless MU-MIMO USB Adapter	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5500MHz, Ant 0	

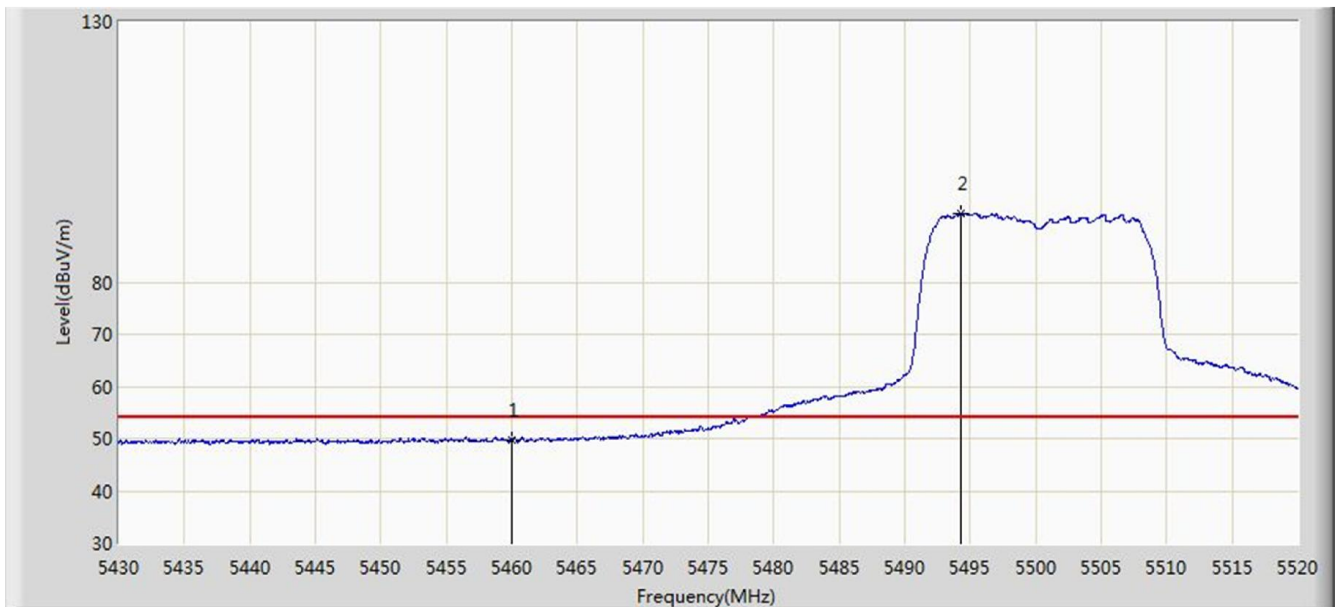


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5432.565	65.541	61.440	-8.459	74.000	4.101	PK
2			5460.000	63.044	58.864	-10.956	74.000	4.180	PK
3			5467.710	65.430	61.233	-2.770	68.200	4.197	PK
4			5470.000	63.263	59.061	-4.937	68.200	4.202	PK
5		*	5496.690	103.321	99.058	N/A	N/A	4.264	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: AC1	Time: 2018/11/16 - 00:33
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC1300 Mini Wireless MU-MIMO USB Adapter	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5500MHz, Ant 0	

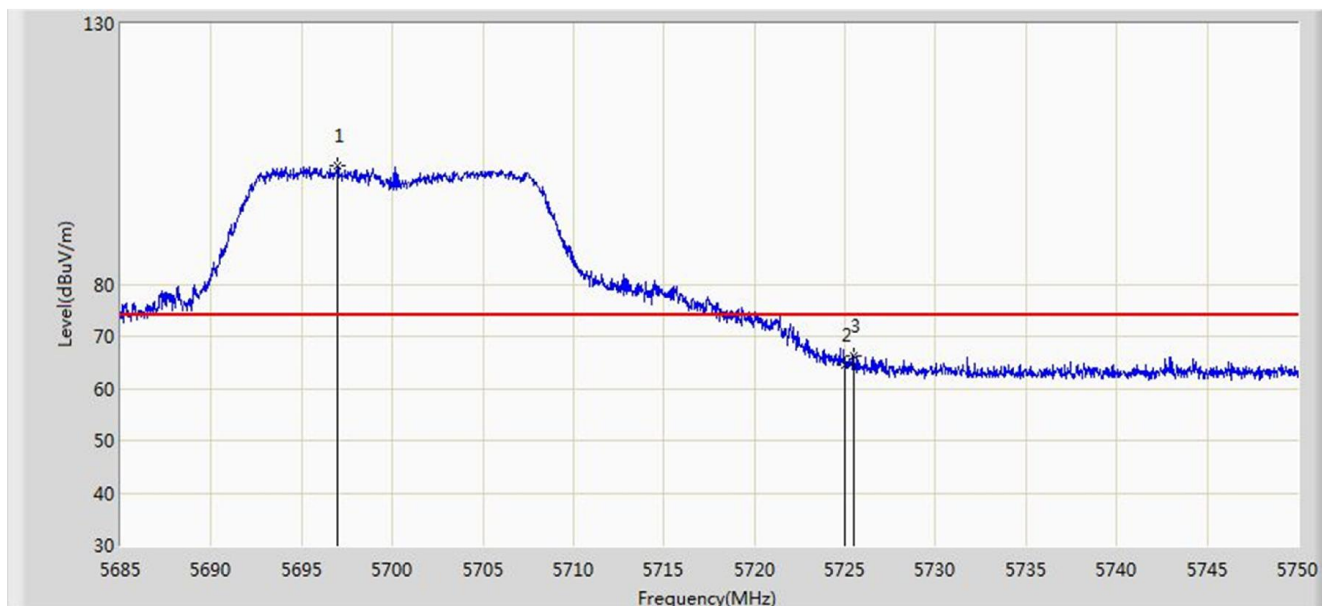


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	49.734	45.554	-4.266	54.000	4.180	AV
2		*	5494.260	93.269	89.011	N/A	N/A	4.258	AV

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

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

Site: AC1	Time: 2018/11/16 - 01:16
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC1300 Mini Wireless MU-MIMO USB Adapter	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5700MHz, Ant 0	

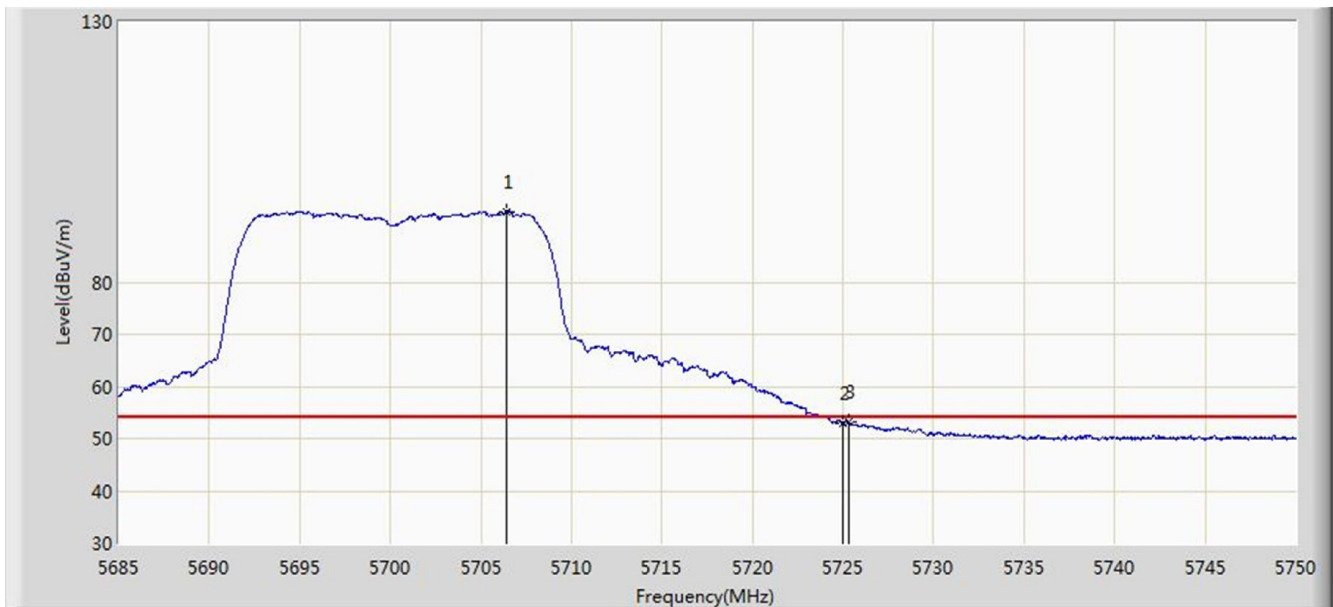


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5696.960	102.866	98.004	N/A	N/A	4.862	PK
2			5725.000	64.433	59.404	-9.567	74.000	5.029	PK
3			5725.495	66.257	61.225	-7.743	74.000	5.032	PK

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

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

Site: AC1	Time: 2018/11/16 - 01:18
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC1300 Mini Wireless MU-MIMO USB Adapter	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5700MHz, Ant 0	

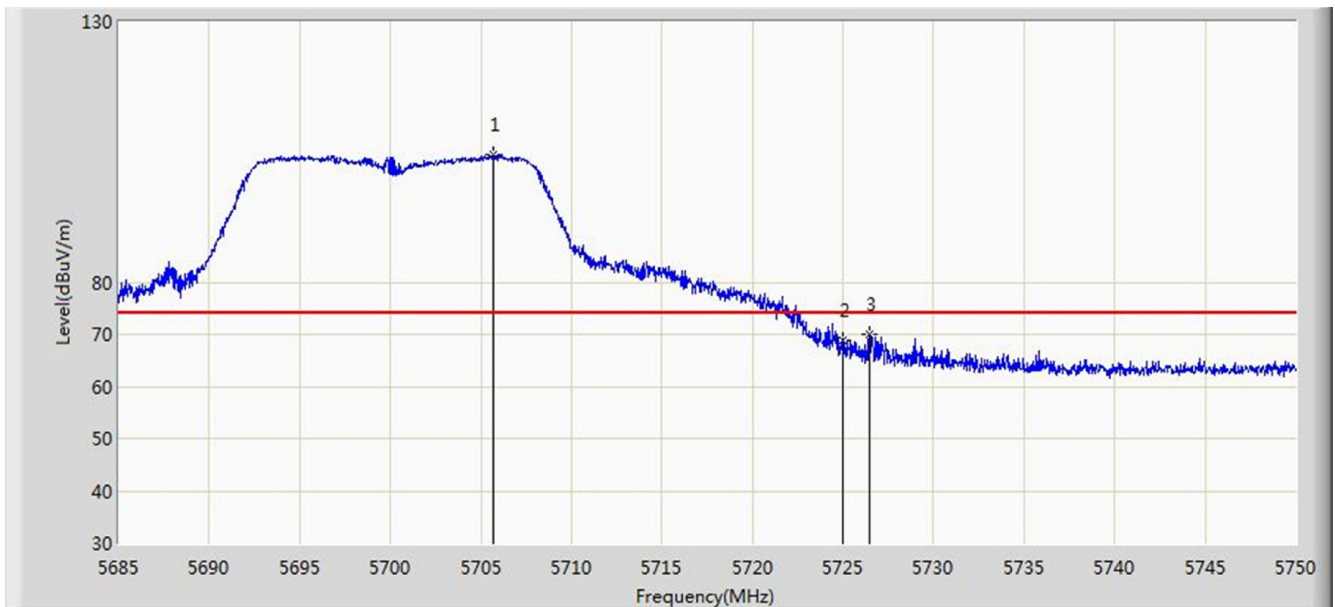


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5706.385	93.607	88.695	N/A	N/A	4.912	AV
2			5725.000	52.822	47.793	-1.178	54.000	5.029	AV
3			5725.300	53.208	48.177	-0.792	54.000	5.031	AV

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

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

Site: AC1	Time: 2018/11/16 - 01:15
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC1300 Mini Wireless MU-MIMO USB Adapter	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5700MHz, Ant 0	

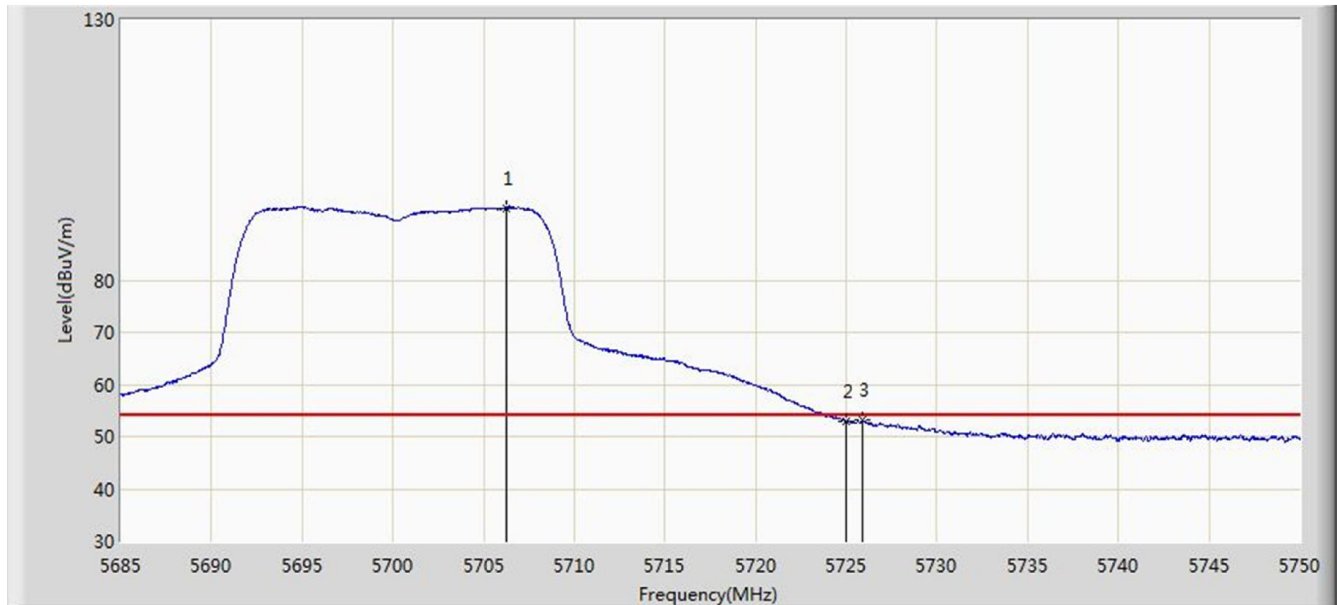


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5705.703	104.447	99.538	N/A	N/A	4.909	PK
2			5725.000	68.797	63.768	-5.203	74.000	5.029	PK
3			5726.437	69.977	64.939	-4.023	74.000	5.039	PK

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

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

Site: AC1	Time: 2018/11/16 - 01:14
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC1300 Mini Wireless MU-MIMO USB Adapter	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5700MHz, Ant 0	

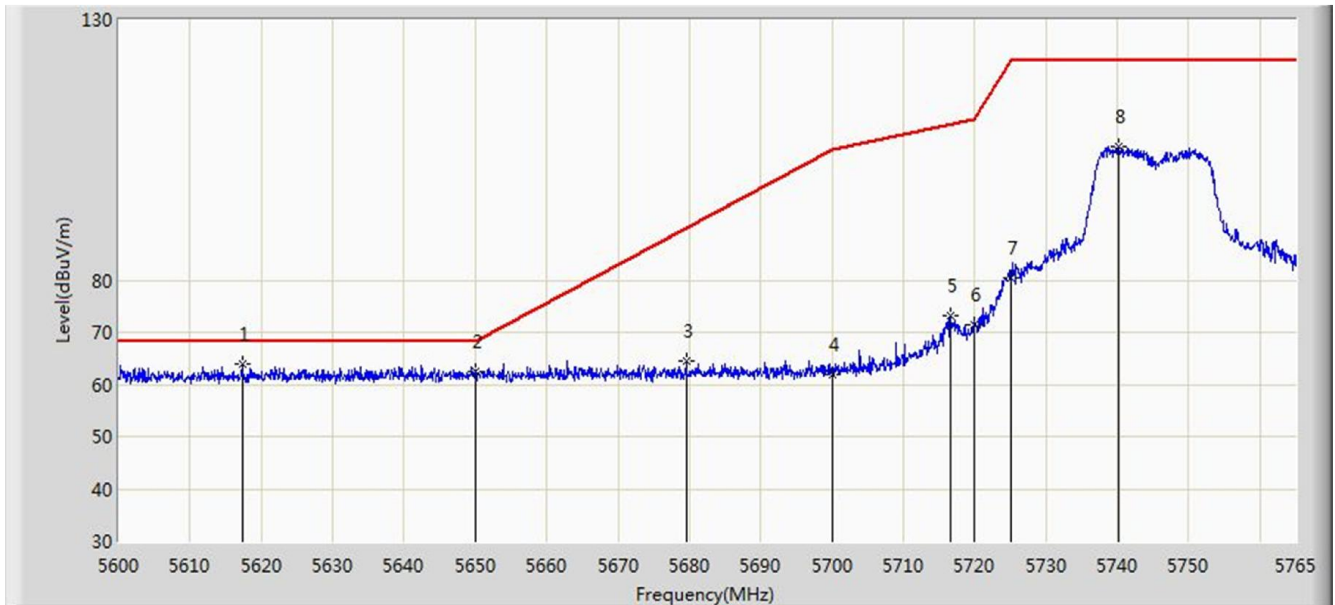


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5706.288	93.881	88.969	N/A	N/A	4.912	AV
2			5725.000	52.889	47.860	-1.111	54.000	5.029	AV
3			5725.917	53.129	48.094	-0.871	54.000	5.036	AV

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

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

Site: AC1	Time: 2018/11/16 - 01:22
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC1300 Mini Wireless MU-MIMO USB Adapter	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5745MHz, Ant 0	

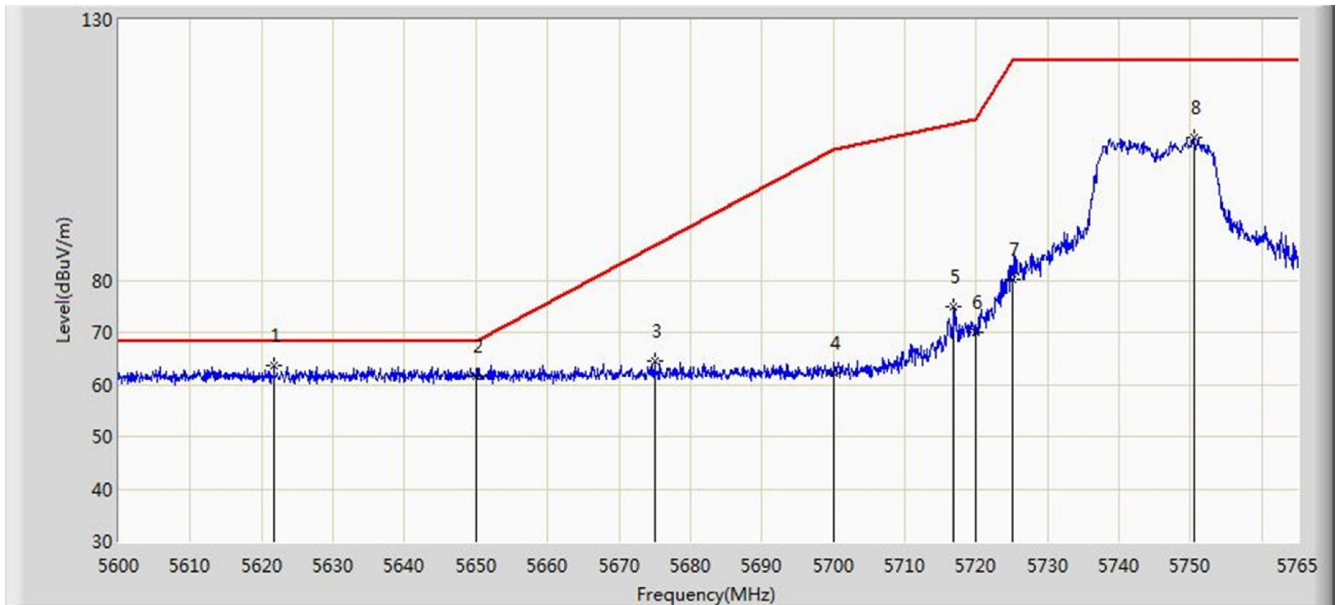


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5617.325	63.788	59.215	-4.412	68.200	4.572	PK
2			5650.000	62.535	57.864	-5.665	68.200	4.671	PK
3			5679.530	64.610	59.825	-25.481	90.092	4.785	PK
4			5700.000	61.933	57.055	-43.267	105.200	4.878	PK
5			5716.572	73.087	68.112	-36.755	109.842	4.975	PK
6			5720.000	71.449	66.452	-39.351	110.800	4.997	PK
7			5725.000	80.455	75.426	-41.745	122.200	5.029	PK
8			5740.167	105.718	100.592	N/A	N/A	5.125	PK

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

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

Site: AC1	Time: 2018/11/16 - 01:24
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC1300 Mini Wireless MU-MIMO USB Adapter	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5745MHz, Ant 0	

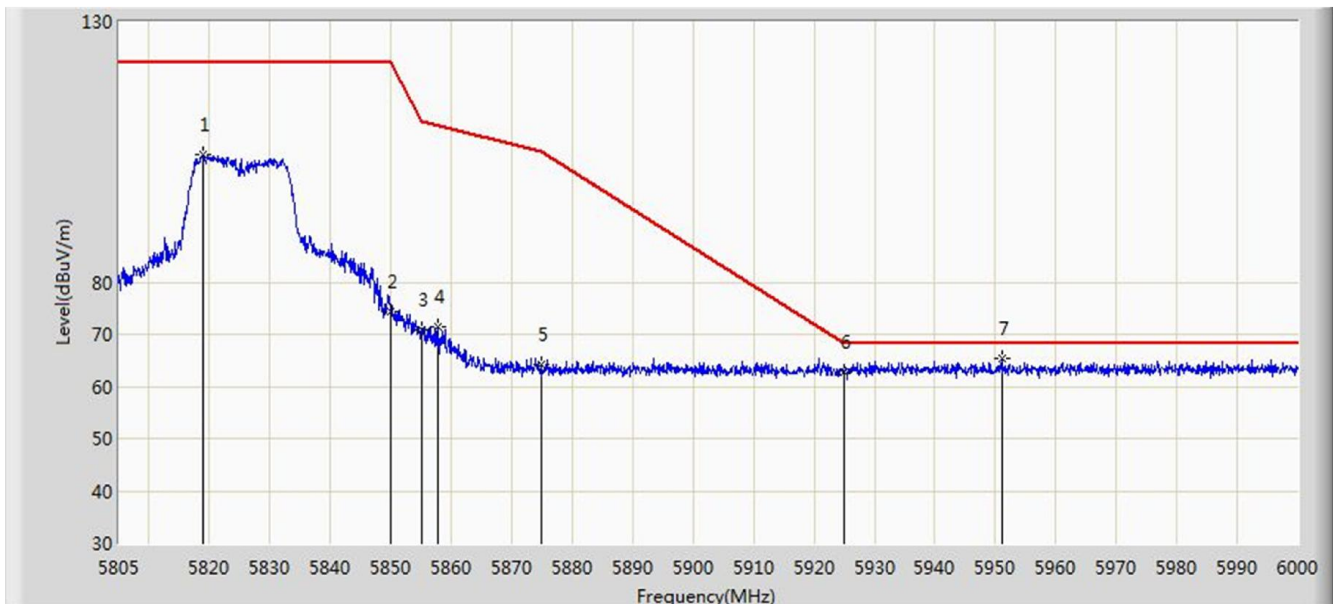


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5621.697	63.648	59.063	-4.552	68.200	4.586	PK
2			5650.000	61.711	57.040	-6.489	68.200	4.671	PK
3			5674.993	64.627	59.860	-22.108	86.736	4.767	PK
4			5700.000	62.193	57.315	-43.007	105.200	4.878	PK
5			5716.902	75.032	70.055	-34.902	109.934	4.977	PK
6			5720.000	69.970	64.973	-40.830	110.800	4.997	PK
7			5725.000	80.252	75.223	-41.948	122.200	5.029	PK
8			5750.480	107.283	102.097	N/A	N/A	5.186	PK

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

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

Site: AC1	Time: 2018/11/16 - 01:25
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC1300 Mini Wireless MU-MIMO USB Adapter	Power: AC 120V/60Hz
Test Mode: Transimit by 802.11a at Channel 5825MHz, Ant 0	

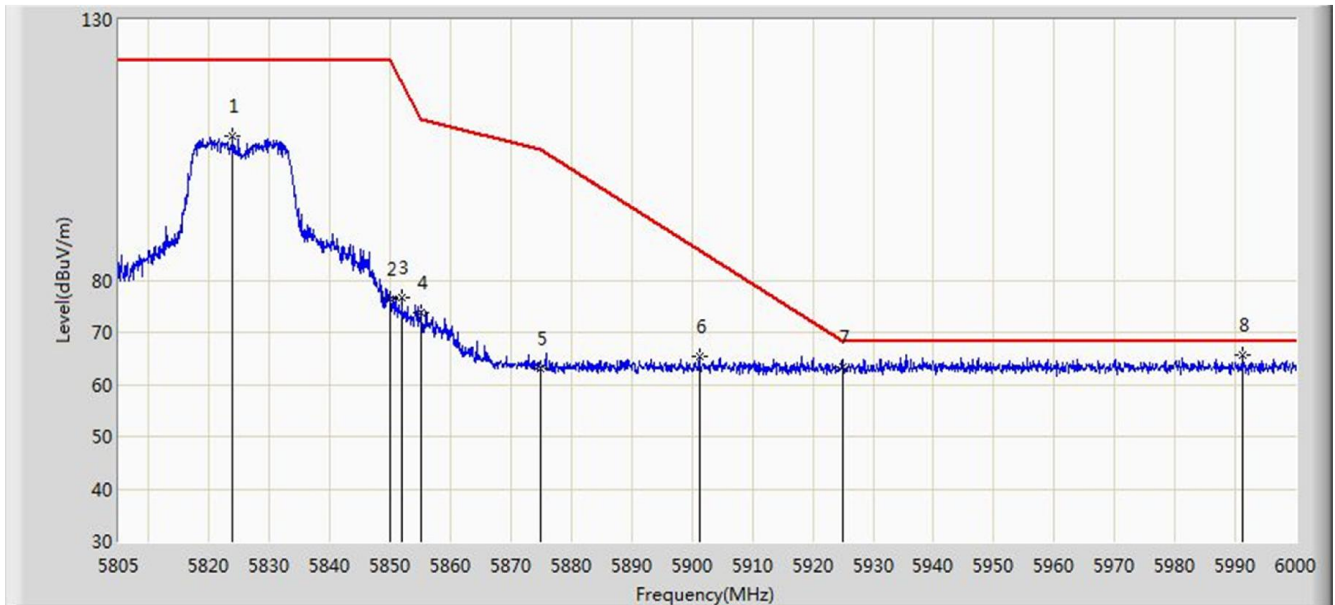


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5818.845	104.386	98.834	N/A	N/A	5.552	PK
2			5850.000	74.471	68.745	-47.729	122.200	5.726	PK
3			5855.000	70.815	65.069	-39.985	110.800	5.746	PK
4			5857.748	71.591	65.833	-38.439	110.029	5.757	PK
5			5875.000	64.215	58.395	-40.985	105.200	5.820	PK
6			5925.000	62.773	56.807	-5.427	68.200	5.967	PK
7		*	5951.055	65.230	59.202	-2.970	68.200	6.028	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: AC1	Time: 2018/11/16 - 01:27
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC1300 Mini Wireless MU-MIMO USB Adapter	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5825MHz, Ant 0	

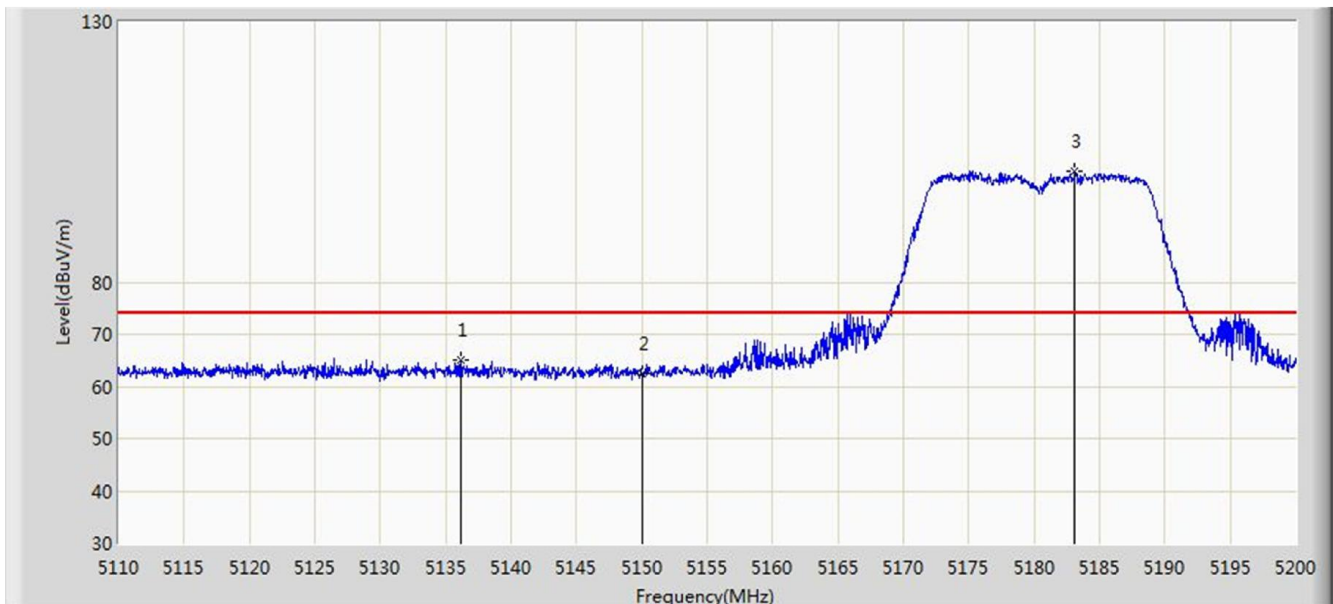


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5823.915	107.825	102.243	N/A	N/A	5.581	PK
2			5850.000	76.362	70.636	-45.838	122.200	5.726	PK
3			5851.897	76.730	70.997	-41.143	117.874	5.734	PK
4			5855.000	73.736	67.990	-37.064	110.800	5.746	PK
5			5875.000	63.041	57.221	-42.159	105.200	5.820	PK
6			5901.232	65.498	59.591	-20.252	85.749	5.907	PK
7			5925.000	63.268	57.302	-4.932	68.200	5.967	PK
8		*	5991.322	65.566	59.470	-2.634	68.200	6.097	PK

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

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

Site: AC1	Time: 2018/11/16 - 01:30
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC1300 Mini Wireless MU-MIMO USB Adapter	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5180MHz, Ant 0 + 1	

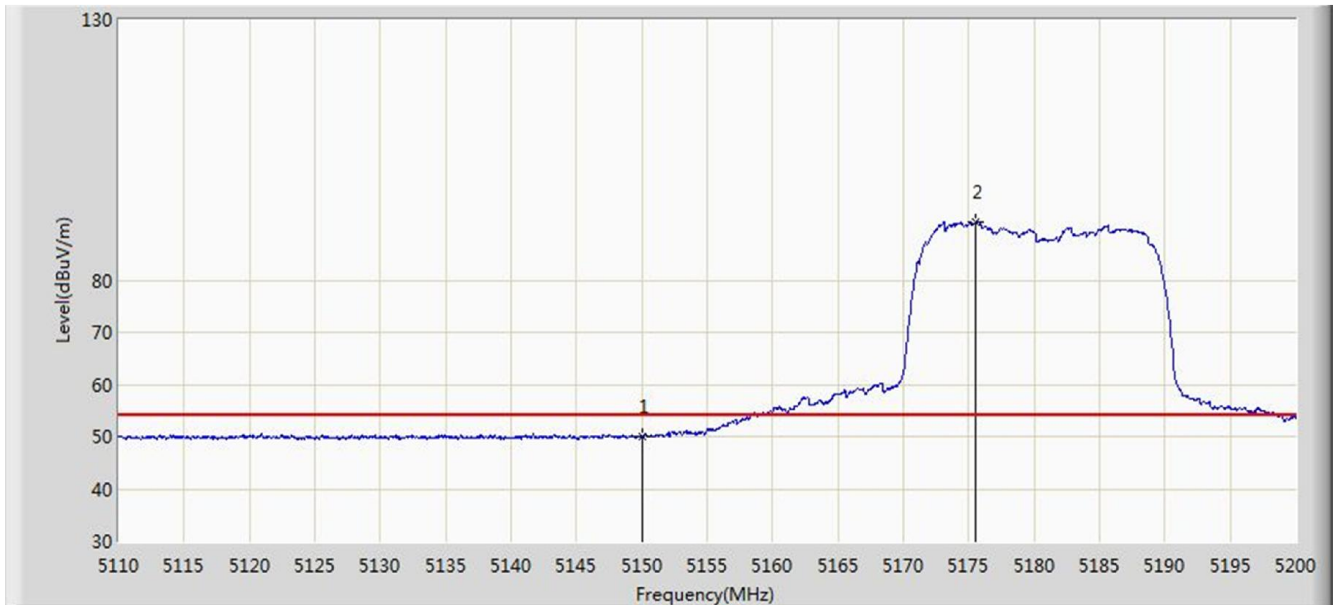


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5136.190	64.948	60.773	-9.052	74.000	4.175	PK
2			5150.000	62.353	58.184	-11.647	74.000	4.170	PK
3		*	5183.125	101.354	97.296	N/A	N/A	4.057	PK

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

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

Site: AC1	Time: 2018/11/16 - 01:31
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC1300 Mini Wireless MU-MIMO USB Adapter	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5180MHz, Ant 0 + 1	

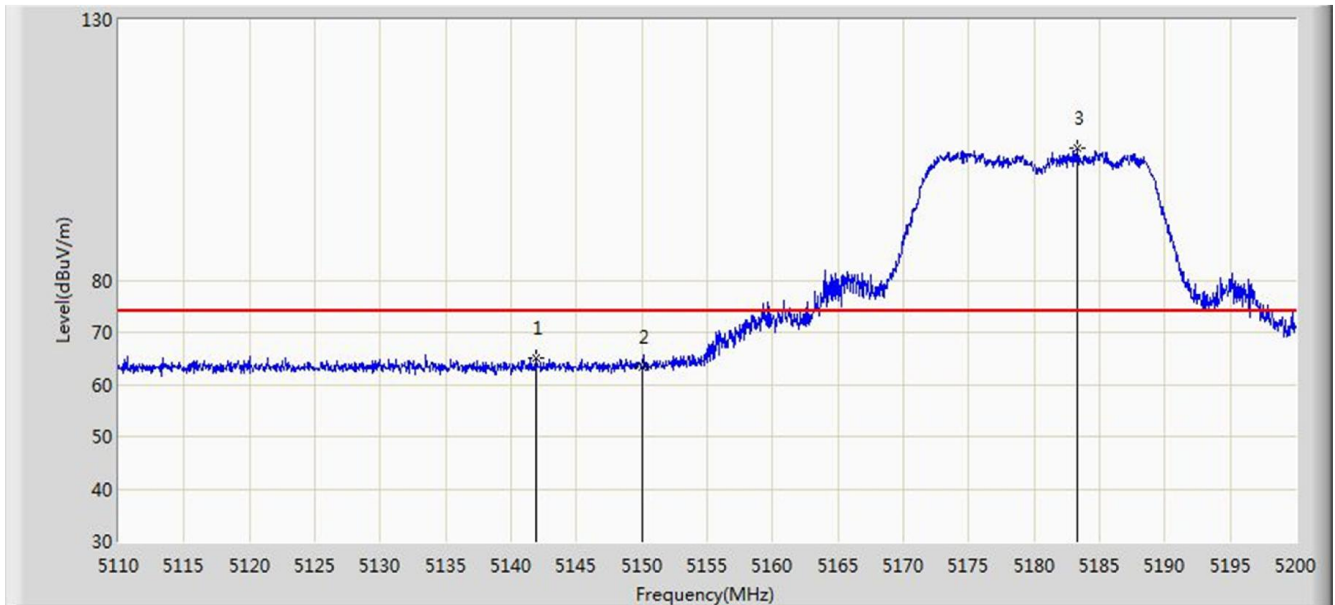


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	50.040	45.871	-3.960	54.000	4.170	AV
2		*	5175.475	91.040	86.955	N/A	N/A	4.084	AV

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

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

Site: AC1	Time: 2018/11/16 - 01:37
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC1300 Mini Wireless MU-MIMO USB Adapter	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5180MHz, Ant 0 + 1	

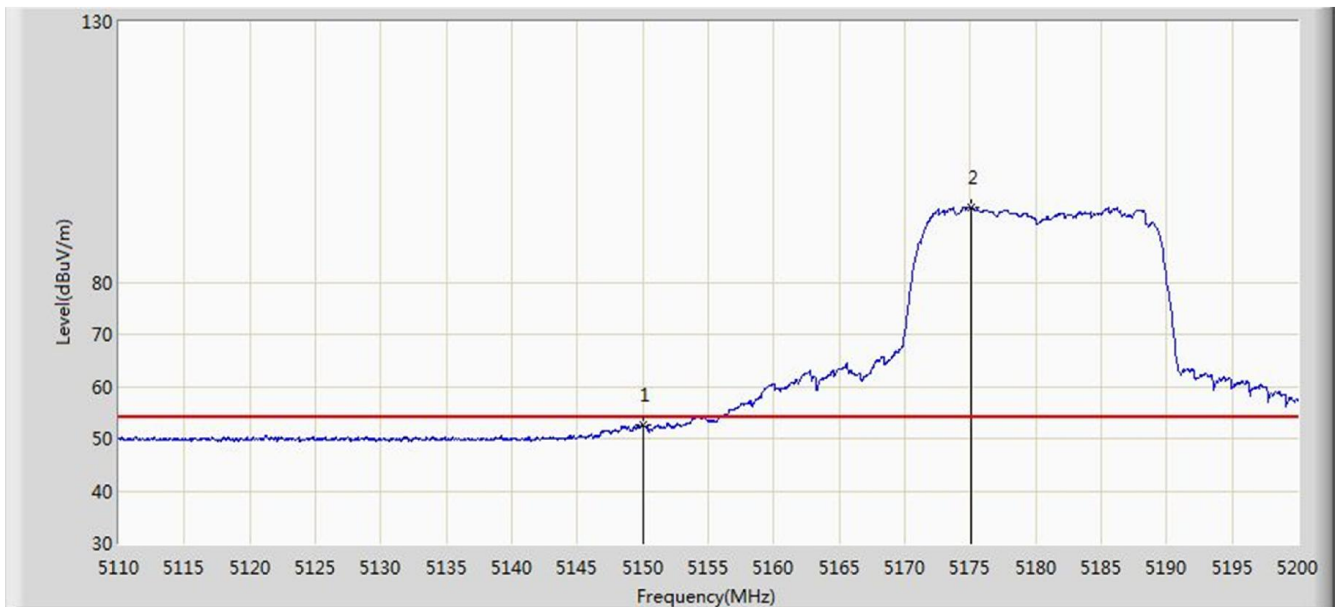


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5141.905	65.116	60.940	-8.884	74.000	4.176	PK
2			5150.000	63.314	59.145	-10.686	74.000	4.170	PK
3		*	5183.260	105.464	101.407	N/A	N/A	4.057	PK

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

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

Site: AC1	Time: 2018/11/16 - 01:37
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC1300 Mini Wireless MU-MIMO USB Adapter	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5180MHz, Ant 0 + 1	

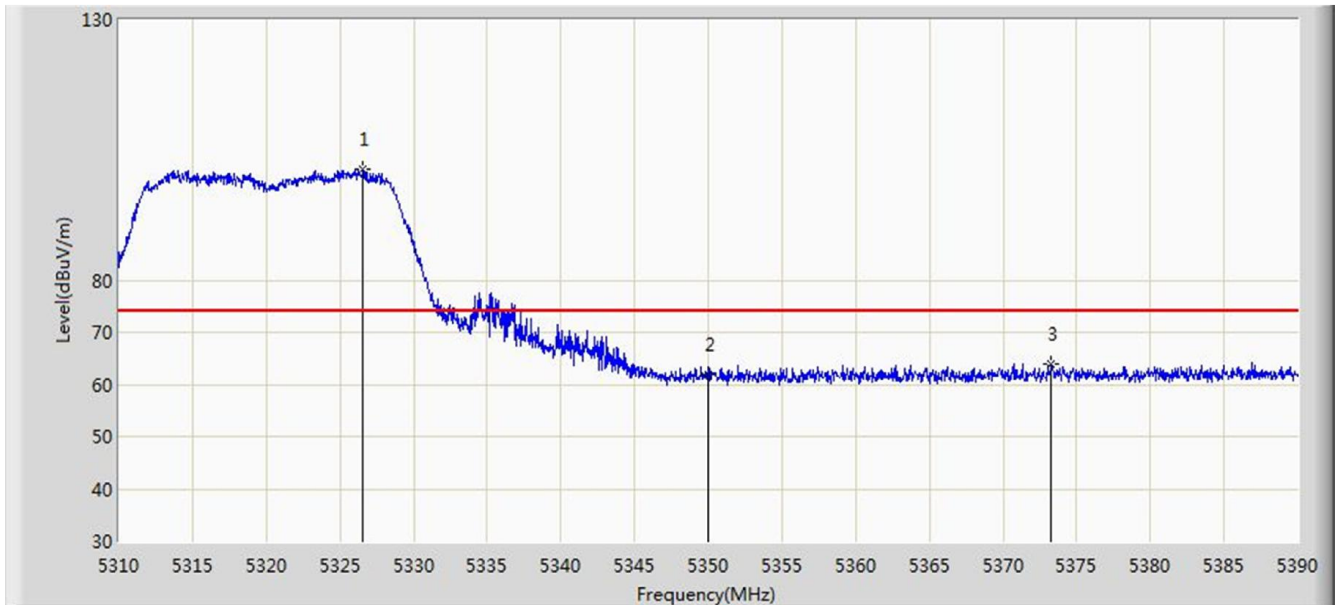


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	52.485	48.316	-1.515	54.000	4.170	AV
2		*	5175.025	94.452	90.365	N/A	N/A	4.087	AV

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

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

Site: AC1	Time: 2018/11/16 - 01:44
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC1300 Mini Wireless MU-MIMO USB Adapter	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5320MHz, Ant 0 + 1	

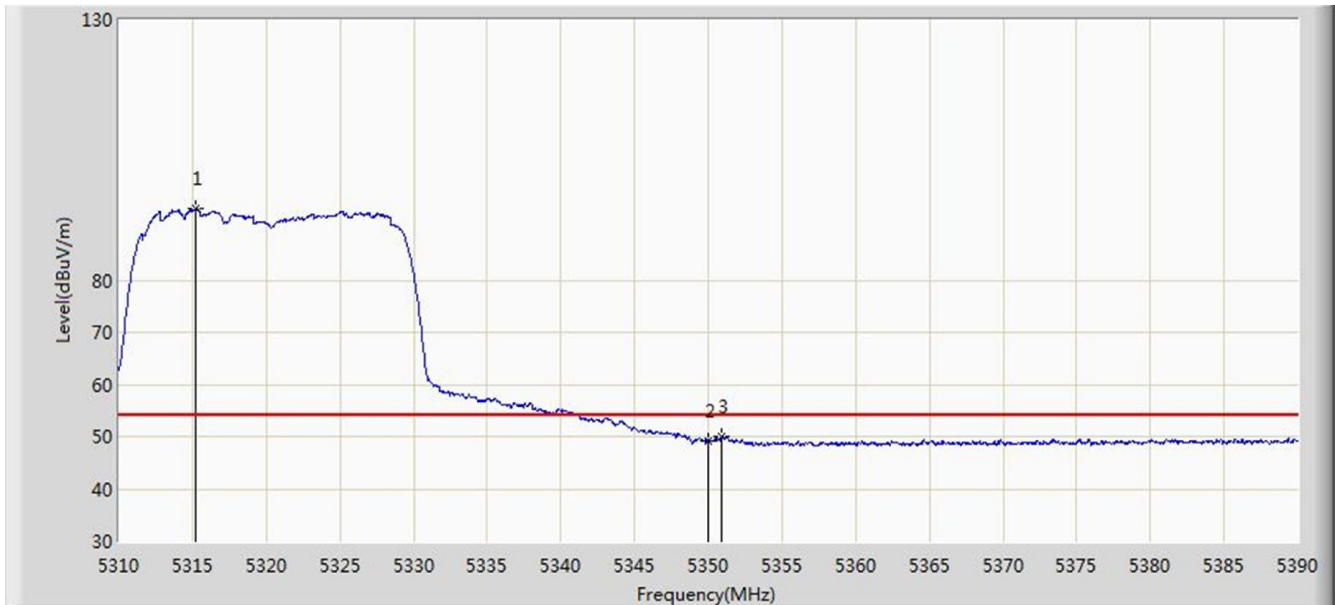


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5326.560	101.289	97.428	N/A	N/A	3.862	PK
2			5350.000	61.770	57.865	-12.230	74.000	3.904	PK
3			5373.280	64.012	60.065	-9.988	74.000	3.947	PK

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

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

Site: AC1	Time: 2018/11/16 - 01:47
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC1300 Mini Wireless MU-MIMO USB Adapter	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5320MHz, Ant 0 + 1	

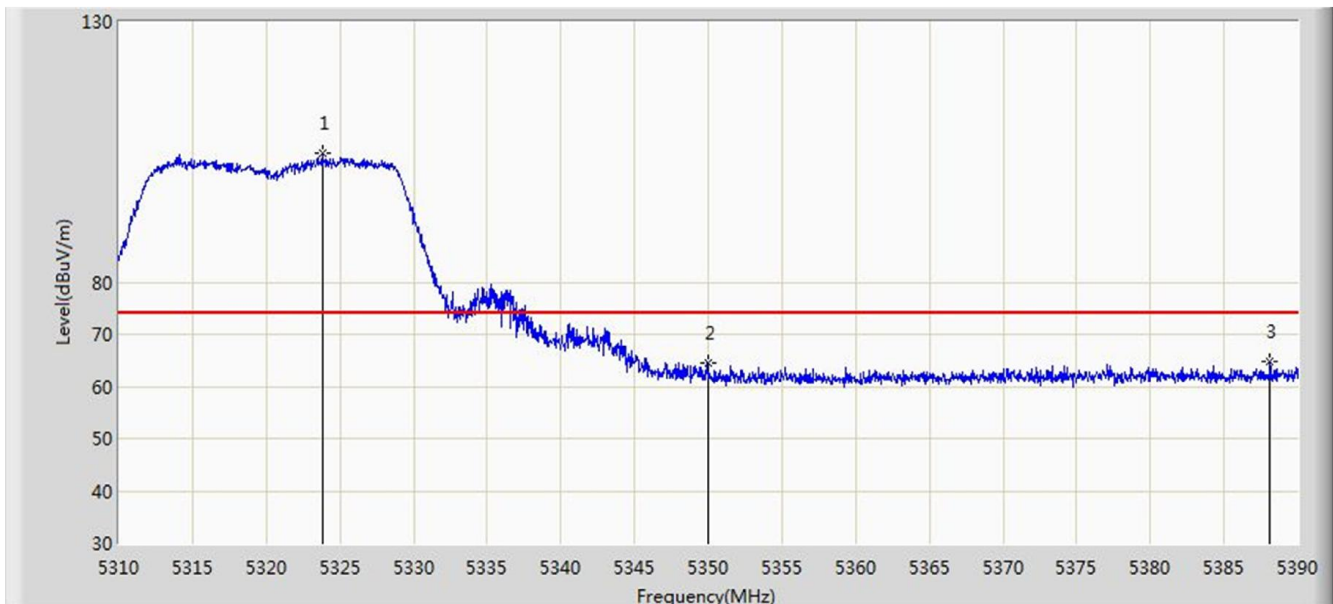


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5315.200	93.633	89.793	N/A	N/A	3.840	AV
2			5350.000	49.099	45.194	-4.901	54.000	3.904	AV
3			5350.920	50.100	46.194	-3.900	54.000	3.906	AV

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

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

Site: AC1	Time: 2018/11/16 - 01:50
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC1300 Mini Wireless MU-MIMO USB Adapter	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5320MHz, Ant 0 + 1	

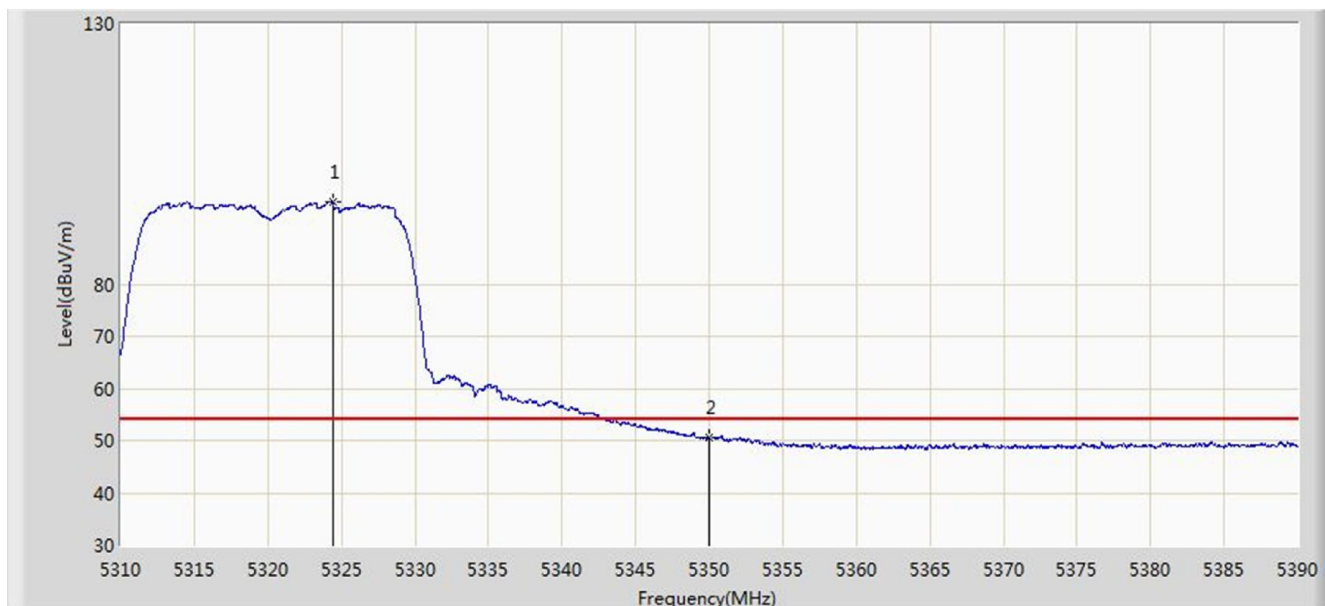


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5323.800	104.679	100.823	N/A	N/A	3.856	PK
2			5350.000	64.435	60.530	-9.565	74.000	3.904	PK
3			5388.120	64.807	60.832	-9.193	74.000	3.975	PK

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

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

Site: AC1	Time: 2018/11/16 - 01:50
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC1300 Mini Wireless MU-MIMO USB Adapter	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5320MHz, Ant 0 + 1	

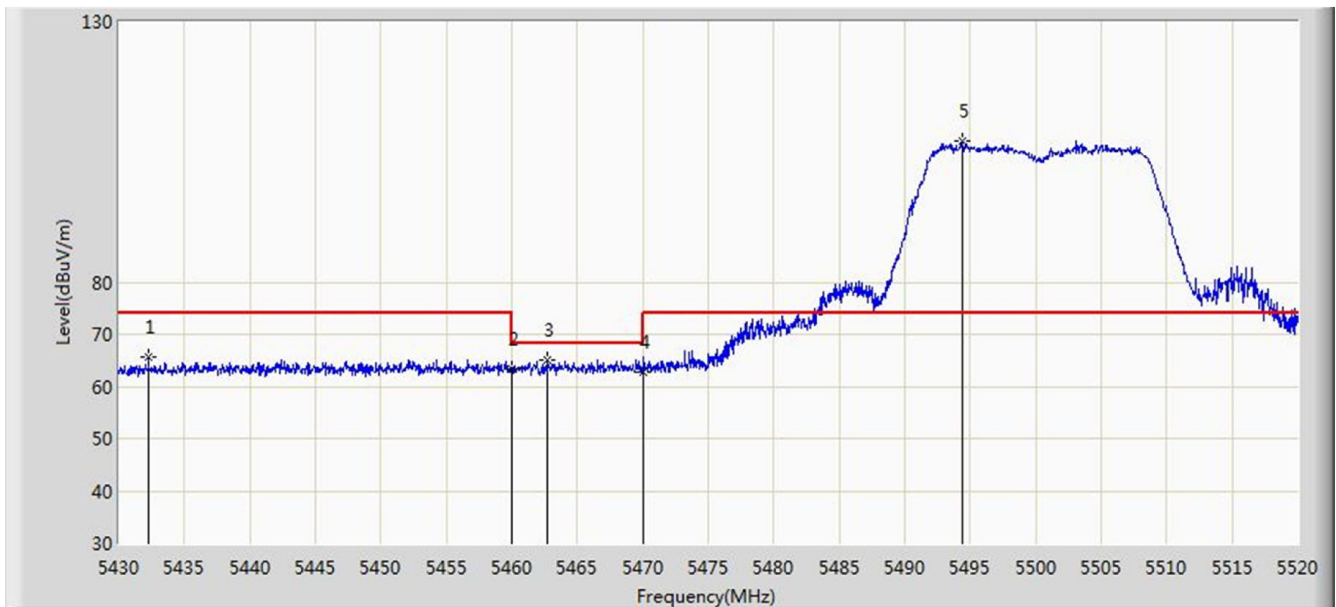


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5324.400	95.922	92.065	N/A	N/A	3.857	AV
2			5350.000	50.520	46.615	-3.480	54.000	3.904	AV

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

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

Site: AC1	Time: 2018/11/16 - 05:28
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC1300 Mini Wireless MU-MIMO USB Adapter	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5500MHz, Ant 0 + 1	

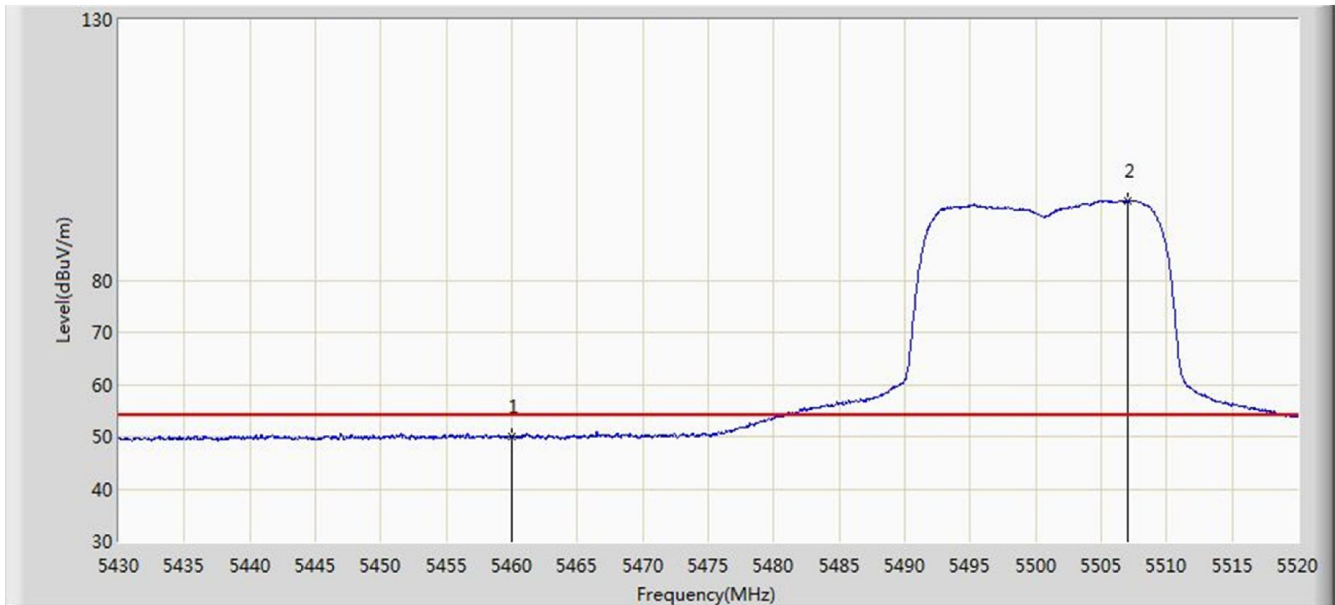


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5432.250	65.641	61.541	-8.359	74.000	4.101	PK
2			5460.000	63.461	59.281	-10.539	74.000	4.180	PK
3			5462.670	64.983	60.797	-3.217	68.200	4.186	PK
4			5470.000	62.820	58.618	-5.380	68.200	4.202	PK
5		*	5494.395	106.963	102.705	N/A	N/A	4.258	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: AC1	Time: 2018/11/16 - 05:32
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC1300 Mini Wireless MU-MIMO USB Adapter	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5500MHz, Ant 0 + 1	

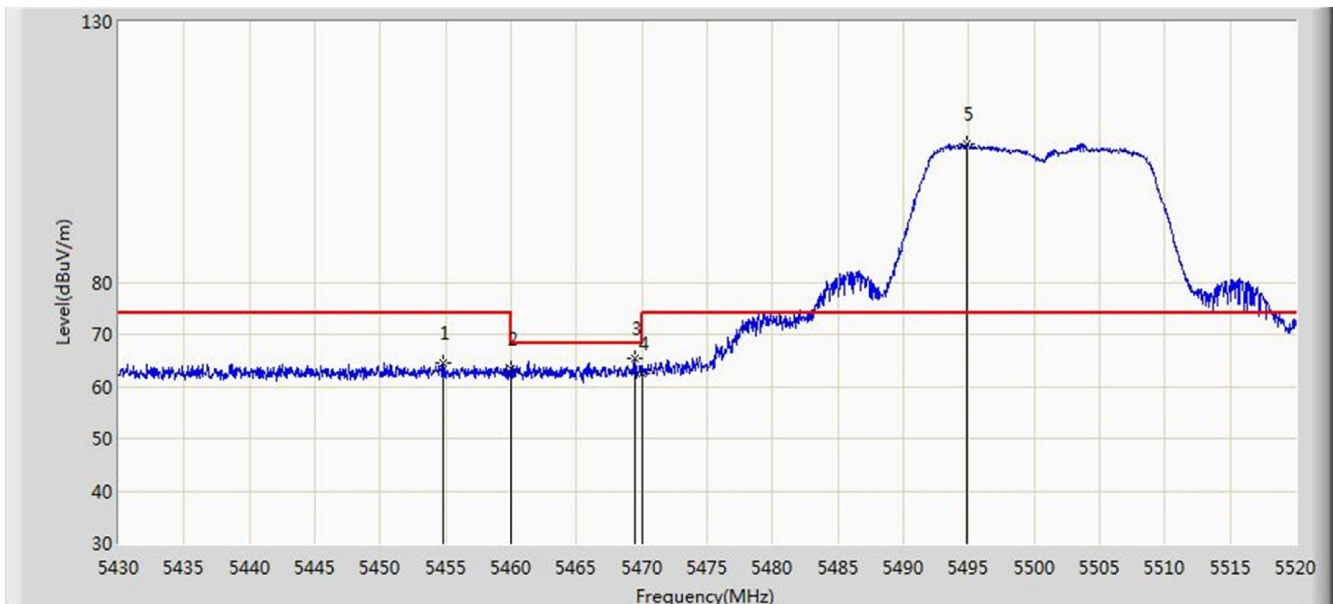


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	49.865	45.685	-4.135	54.000	4.180	AV
2		*	5507.085	95.147	90.854	N/A	N/A	4.292	AV

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

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

Site: AC1	Time: 2018/11/16 - 05:33
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC1300 Mini Wireless MU-MIMO USB Adapter	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5500MHz, Ant 0 + 1	

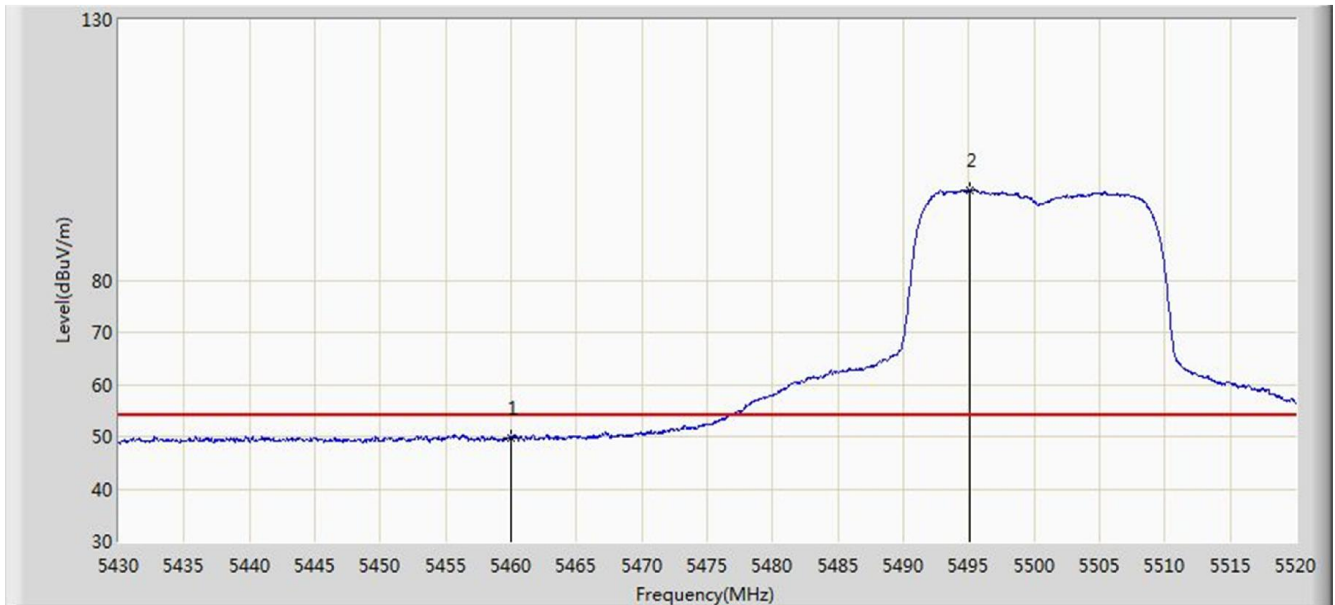


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5454.840	64.562	60.393	-9.438	74.000	4.170	PK
2			5460.000	63.396	59.216	-10.604	74.000	4.180	PK
3			5469.510	65.255	61.054	-2.945	68.200	4.202	PK
4			5470.000	62.513	58.311	-5.687	68.200	4.202	PK
5		*	5494.845	106.570	102.311	N/A	N/A	4.259	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: AC1	Time: 2018/11/16 - 05:40
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC1300 Mini Wireless MU-MIMO USB Adapter	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5500MHz, Ant 0 + 1	

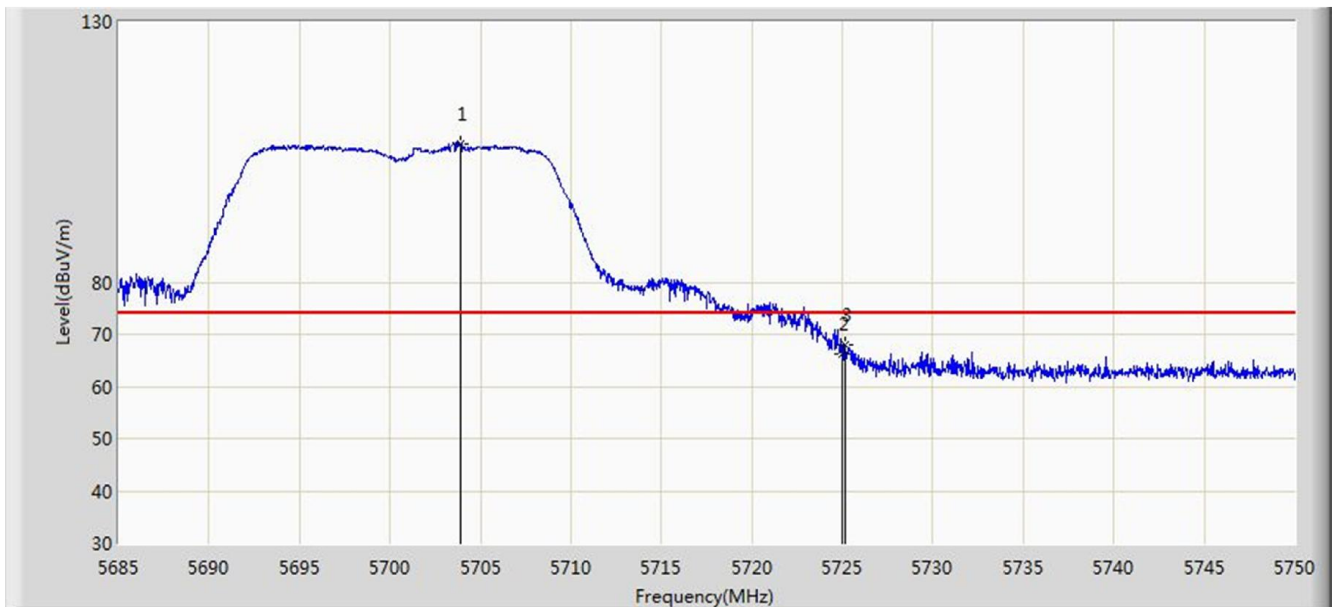


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	49.791	45.611	-4.209	54.000	4.180	AV
2		*	5495.025	97.252	92.993	N/A	N/A	4.259	AV

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

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

Site: AC1	Time: 2018/11/16 - 05:42
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC1300 Mini Wireless MU-MIMO USB Adapter	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5700MHz, Ant 0 + 1	

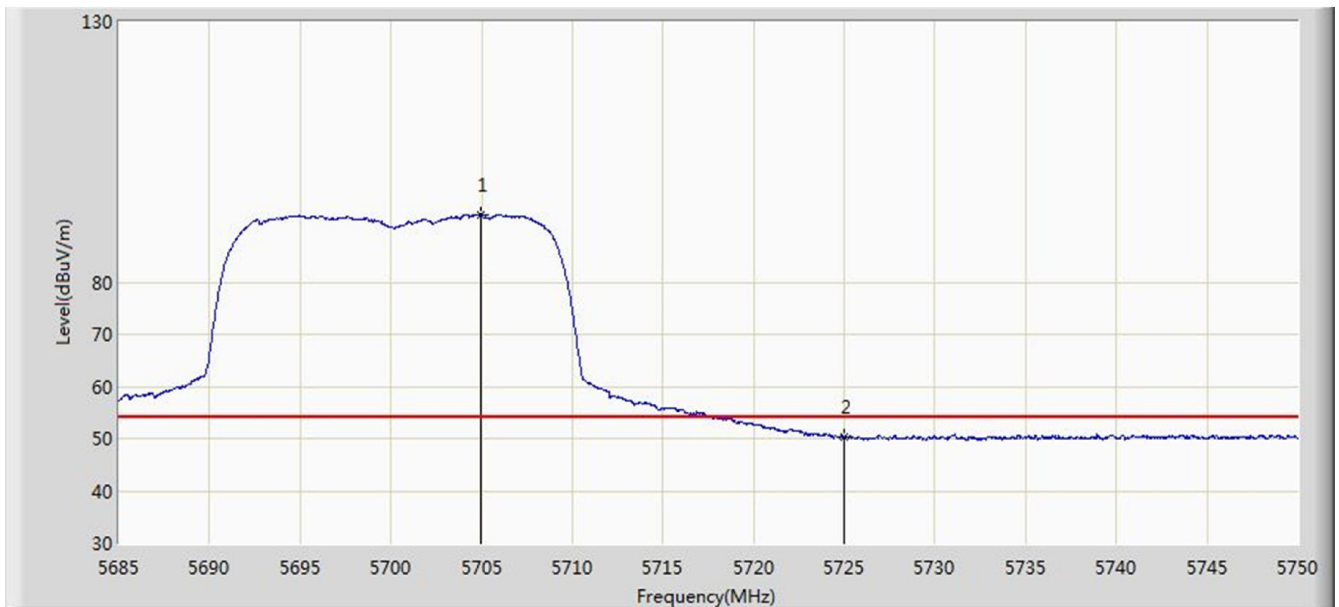


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5703.882	106.658	101.759	N/A	N/A	4.899	PK
2			5725.000	66.229	61.200	-7.771	74.000	5.029	PK
3			5725.138	68.043	63.013	-5.957	74.000	5.030	PK

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

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

Site: AC1	Time: 2018/11/16 - 05:44
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC1300 Mini Wireless MU-MIMO USB Adapter	Power: AC 120V/60Hz
Test Mode: Transimit by 802.11n-HT20 at Channel 5700MHz, Ant 0 + 1	

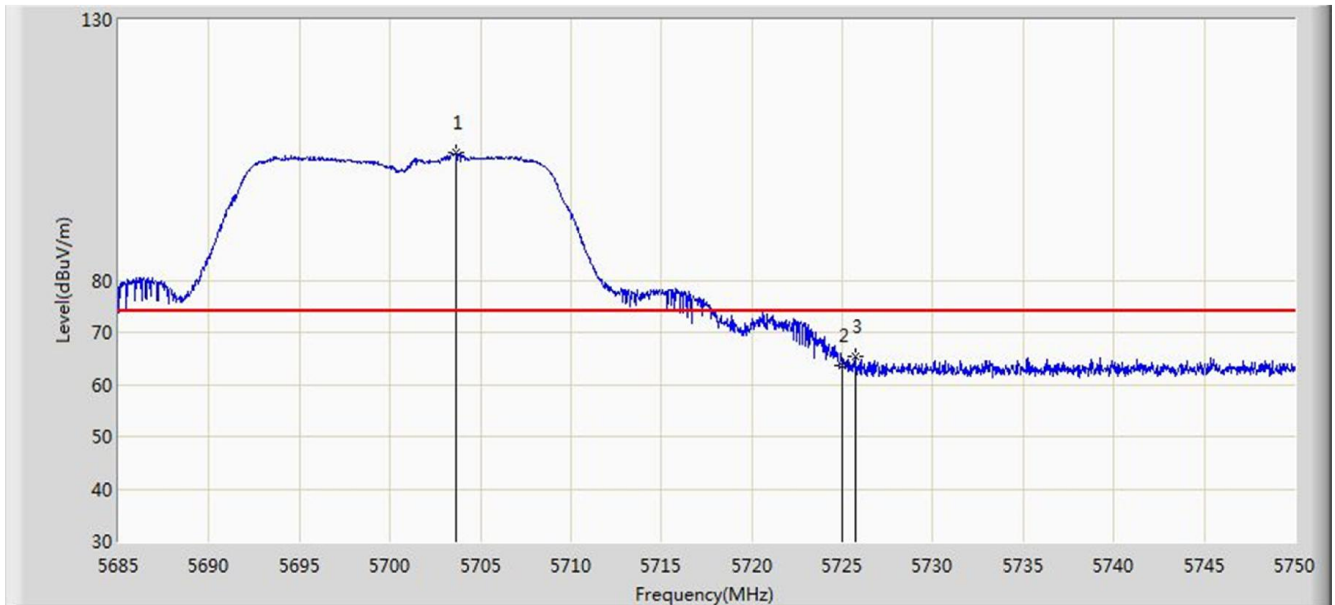


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5704.922	92.889	87.985	N/A	N/A	4.905	AV
2			5725.000	50.271	45.242	-3.729	54.000	5.029	AV

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

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

Site: AC1	Time: 2018/11/16 - 05:47
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC1300 Mini Wireless MU-MIMO USB Adapter	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5700MHz, Ant 0 + 1	

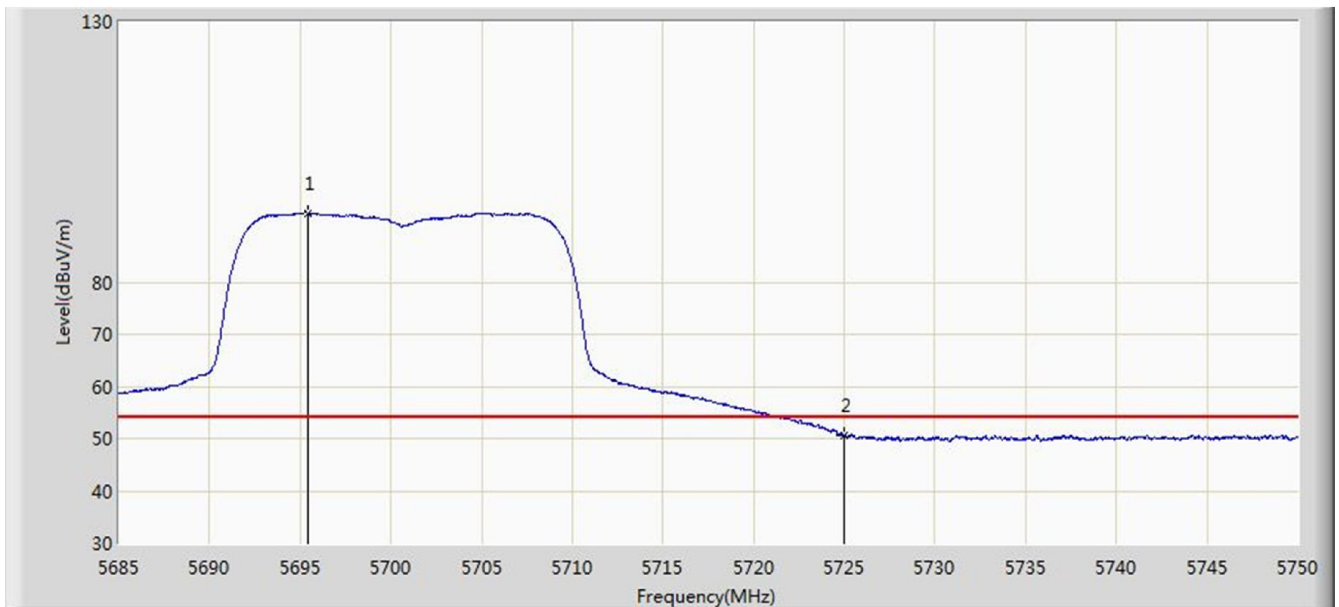


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5703.623	104.415	99.517	N/A	N/A	4.897	PK
2			5725.000	63.709	58.680	-10.291	74.000	5.029	PK
3			5725.723	65.471	60.437	-8.529	74.000	5.033	PK

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

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

Site: AC1	Time: 2018/11/16 - 05:48
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC1300 Mini Wireless MU-MIMO USB Adapter	Power: AC 120V/60Hz
Test Mode: Transimit by 802.11n-HT20 at Channel 5700MHz, Ant 0 + 1	

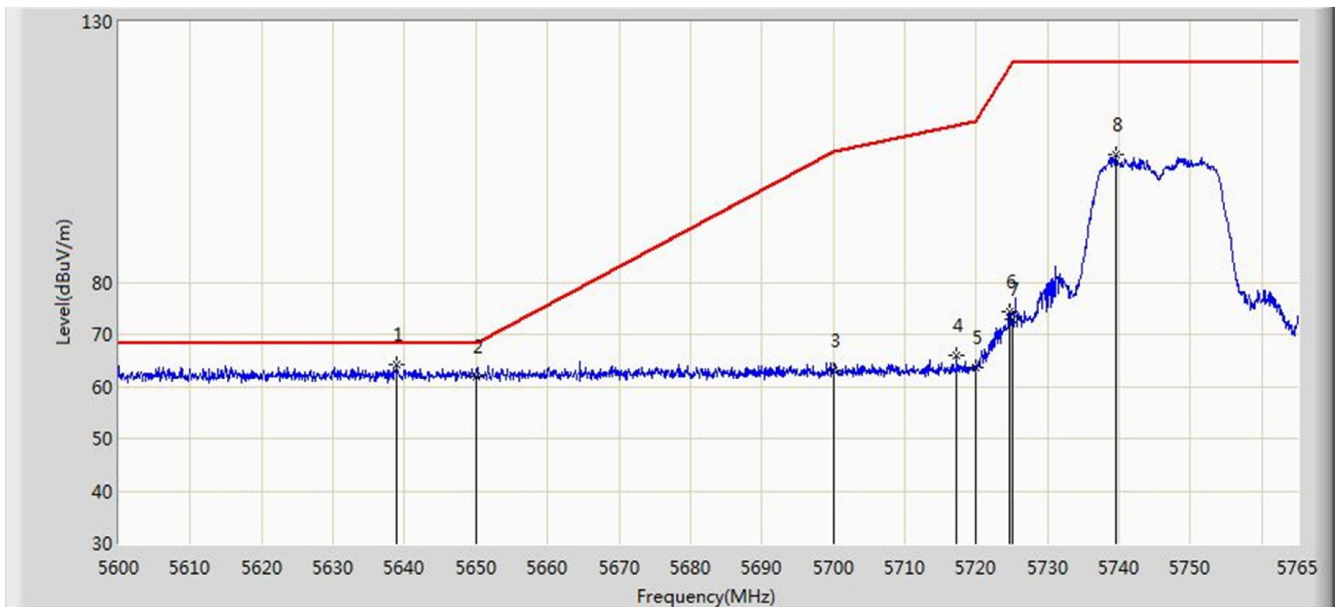


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5695.465	93.236	88.382	N/A	N/A	4.854	AV
2			5725.000	50.568	45.539	-3.432	54.000	5.029	AV

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

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

Site: AC1	Time: 2018/11/16 - 05:50
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC1300 Mini Wireless MU-MIMO USB Adapter	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5745MHz, Ant 0 + 1	

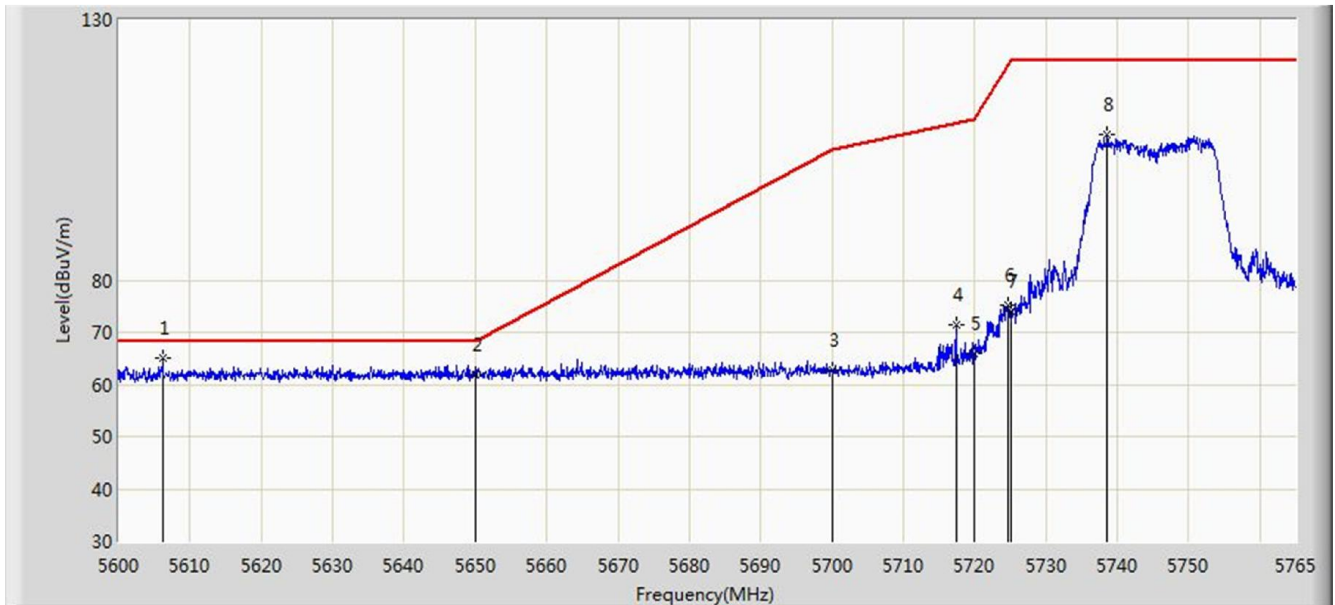


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5638.940	64.145	59.510	-4.055	68.200	4.635	PK
2			5650.000	61.790	57.119	-6.410	68.200	4.671	PK
3			5700.000	63.028	58.150	-42.172	105.200	4.878	PK
4			5717.315	65.926	60.946	-44.124	110.049	4.979	PK
5			5720.000	63.741	58.744	-47.059	110.800	4.997	PK
6			5724.658	74.283	69.256	-47.138	121.421	5.027	PK
7			5725.000	72.940	67.911	-49.260	122.200	5.029	PK
8			5739.590	104.376	99.254	N/A	N/A	5.122	PK

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

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

Site: AC1	Time: 2018/11/16 - 05:53
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC1300 Mini Wireless MU-MIMO USB Adapter	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5745MHz, Ant 0 + 1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5606.187	65.010	60.469	-3.190	68.200	4.542	PK
2			5650.000	61.905	57.234	-6.295	68.200	4.671	PK
3			5700.000	62.638	57.760	-42.562	105.200	4.878	PK
4			5717.397	71.575	66.595	-38.497	110.072	4.980	PK
5			5720.000	65.877	60.880	-44.923	110.800	4.997	PK
6			5724.658	75.211	70.184	-46.210	121.421	5.027	PK
7			5725.000	74.048	69.019	-48.152	122.200	5.029	PK
8			5738.518	107.831	102.716	N/A	N/A	5.115	PK

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

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