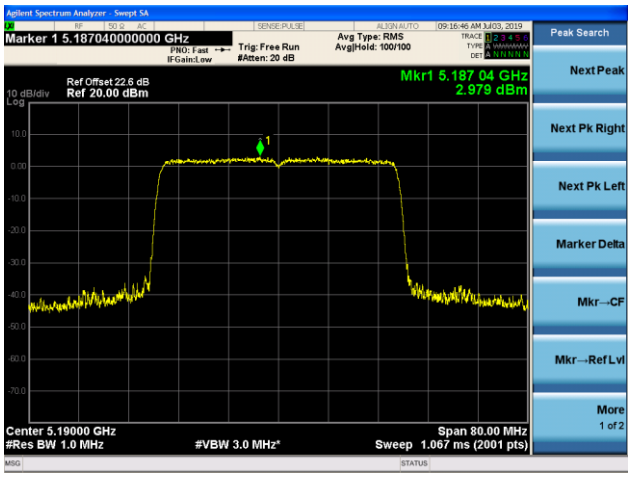
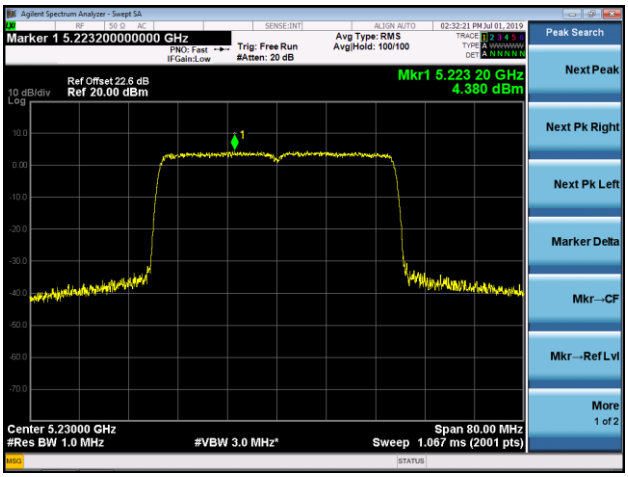
802.11ax-HE40 Power Spectral Density - Ant 1 / Ant 0 + 1

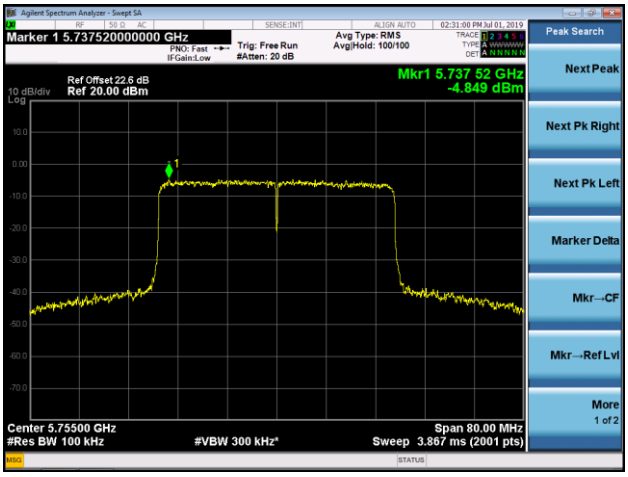
Channel 38 (5190MHz)



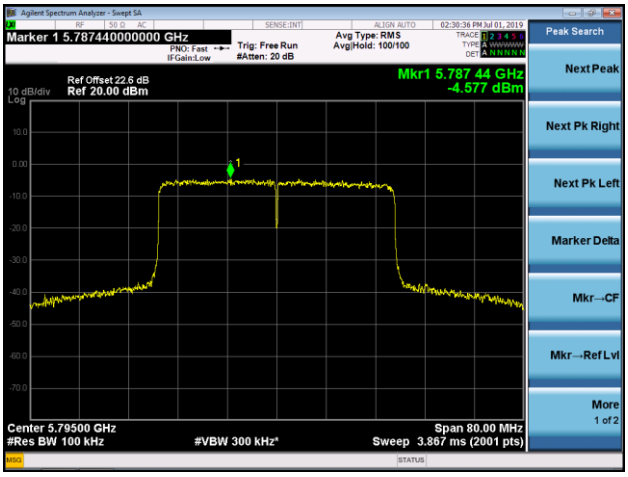
Channel 46 (5230MHz)



Channel 151 (5755MHz)

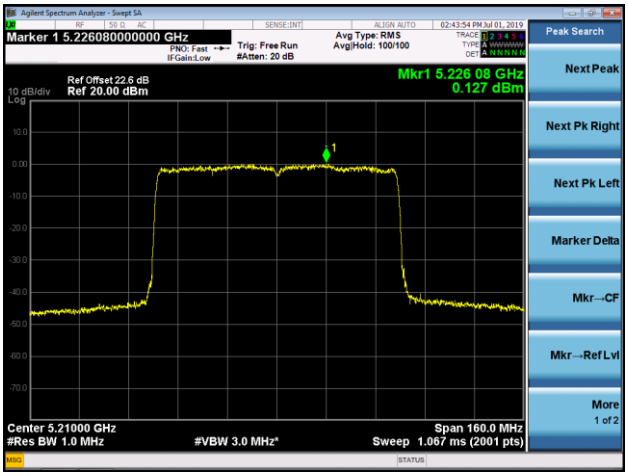


Channel 159 (5795MHz)

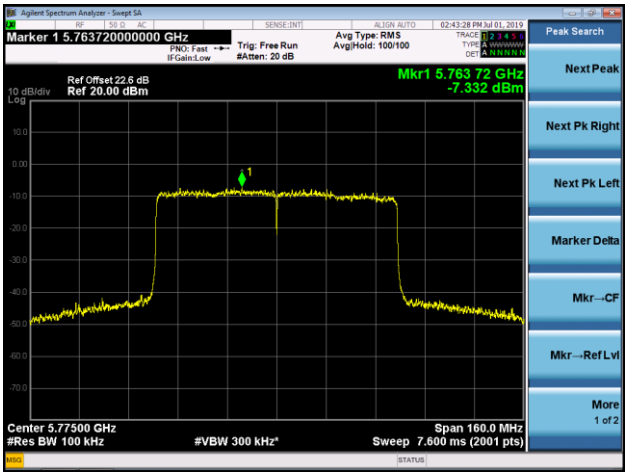


802.11ax-HE80 Power Spectral Density - Ant 1 / Ant 0 + 1

Channel 42 (5210MHz)



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

While maintaining a constant temperature inside the environmental chamber, turn the EUT on and record the operating frequency at startup, and at 2 minutes, 5 minutes, and 10 minutes after the EUT is energized. Four measurements in total are made.

Frequency Stability Under Temperature Variations:

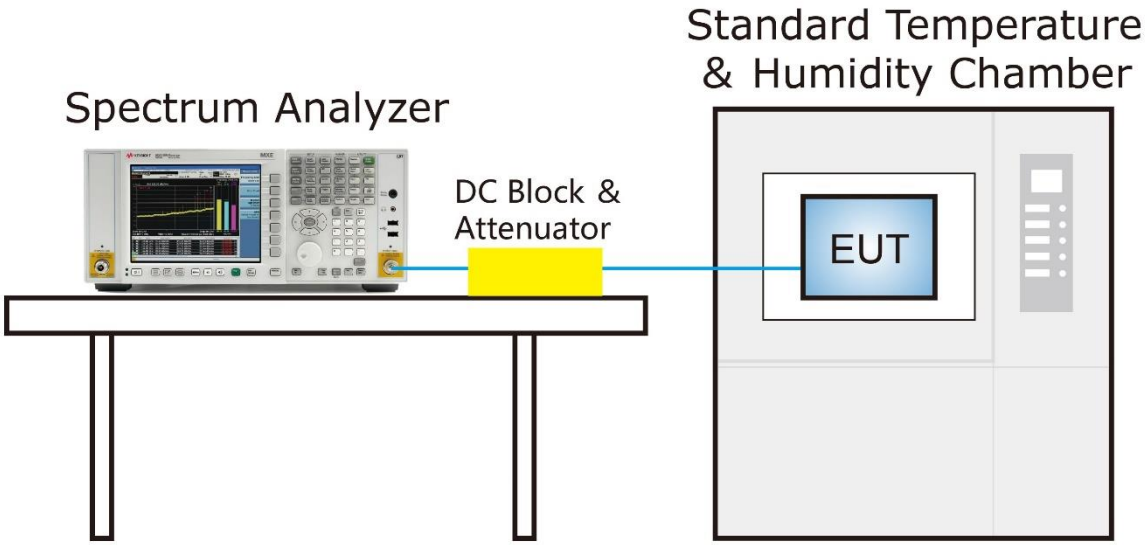
The equipment under test was connected to an external AC or DC power supply and input rated voltage. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators. The EUT was placed inside the temperature chamber. Set the spectrum analyzer RBW low enough to obtain 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 (±15%) and endpoint, recordthe maximum frequency change.

7.7.3.Test Setup



7.7.4.Test Result

Test Engineer	Kevin Ker	Temperature	-30 ~ 50°C
Test Time	2019/06/16	Relative Humidity	48 ~ 55%RH
Test Mode	5180MHz (Carrier Mode)	Test Site	SR2

Voltage (%)	Power (VAC)	Temp (℃)	Frequency Tolerance (ppm)			
			0 minutes	2 minutes	5 minutes	10 minutes
100%	120	- 30	-5.41	-5.82	-5.72	-5.48
		- 20	-5.53	-5.51	-5.27	-4.84
		- 10	-5.54	-5.64	-5.38	-4.77
		0	-5.55	-5.83	-5.51	-4.78
		+ 10	-5.56	-5.40	-5.68	-4.82
		+ 20 (Ref)	-5.57	-5.09	-5.12	-5.15
		+ 30	-5.59	-5.89	-5.22	-5.04
		+ 40	-5.60	-5.19	-5.47	-5.66
		+ 50	-5.62	-5.87	-5.87	-5.49
115%	138	+ 20	-5.66	-5.57	-5.64	-5.69
85%	102	+ 20	-5.68	-5.74	-5.13	-5.37

Note: Frequency Tolerance (ppm) = {[Measured Frequency (Hz) - Declared Frequency (Hz)] / Declared Frequency (Hz)} *10^6.

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 ≥ 98%, set VBW = 10 Hz.

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

4. Detector = Peak

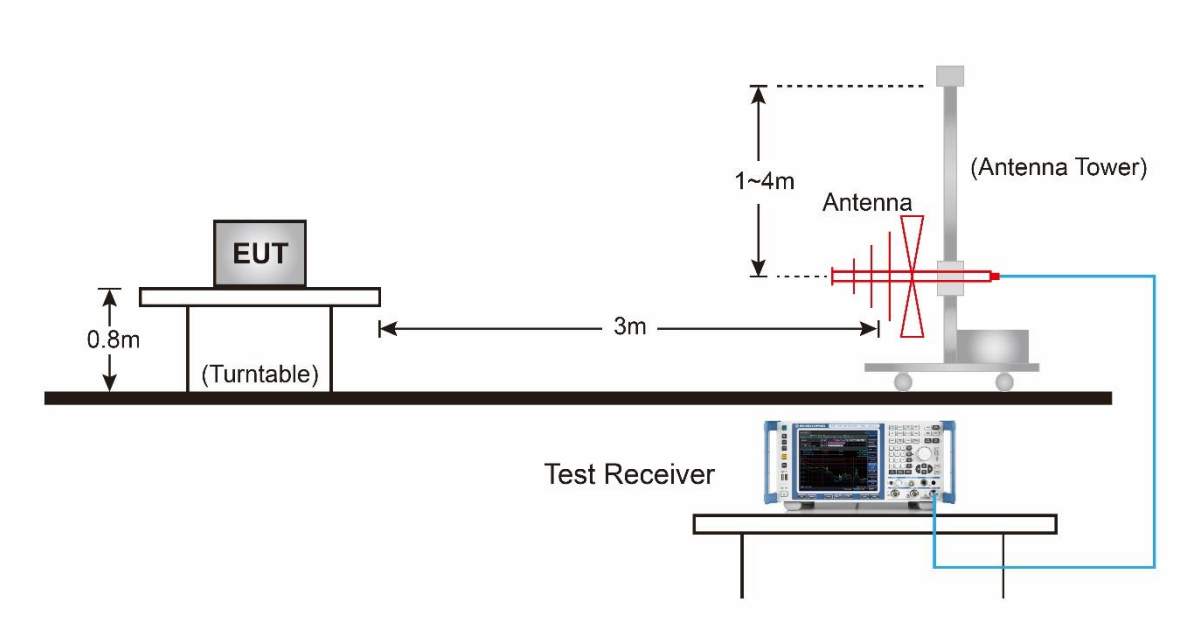
5. Sweep time = auto

6. Trace mode = max hold

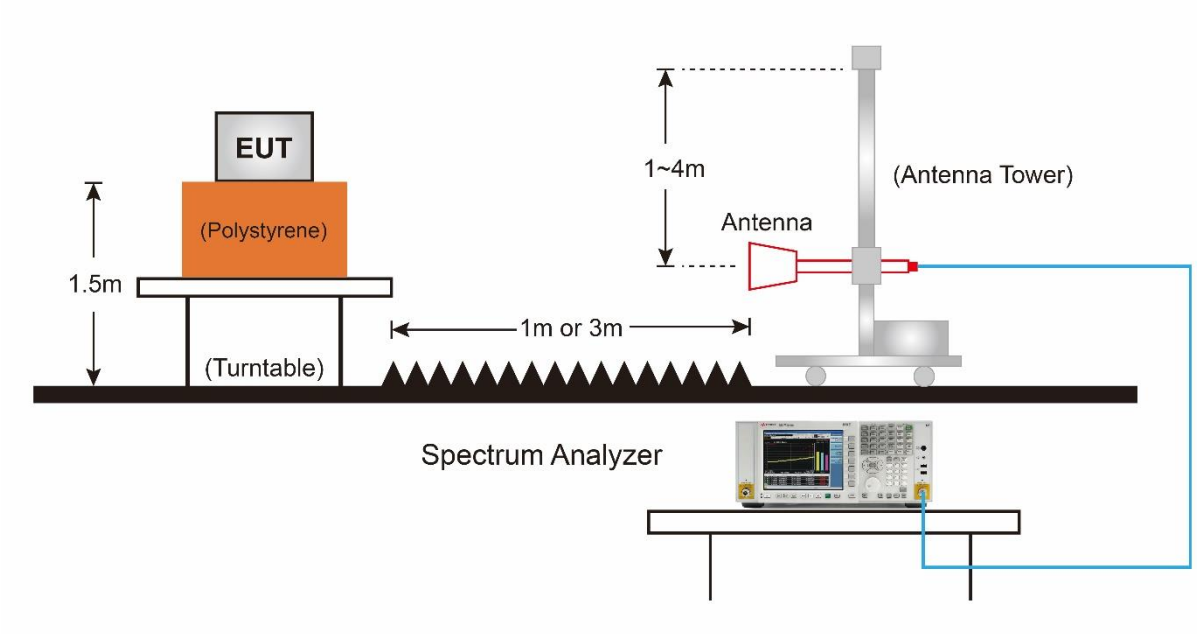
7. Trace was allowed to stabilize

7.8.4.Test Setup

Below 1GHz Test Setup:



Above 1GHz Test Setup:



Note: This item was performed with the Wi-Fi antenna connected.

7.8.5.Test Result

For APIN0504 - Omni Antenna (AP-ANT-20W)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/06/29
Test Mode:	802.11a - Ant 0 + 1	Test Channel:	36
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
*	8760.5	33.5	13.8	47.3	68.2	-20.9	Peak	Horizontal
*	9925.0	32.9	15.6	48.4	68.2	-19.8	Peak	Horizontal
	10877.0	32.8	18.8	51.6	54.0	-2.4	Peak	Horizontal
	12254.0	30.8	18.6	49.3	54.0	-4.7	Peak	Horizontal
*	8786.0	32.8	13.9	46.7	68.2	-21.5	Peak	Vertical
*	9721.0	33.2	15.1	48.3	68.2	-19.9	Peak	Vertical
	10996.0	31.2	19.1	50.3	54.0	-3.7	Peak	Vertical
	12220.0	30.8	18.6	49.4	54.0	-4.6	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/06/29
Test Mode:	802.11a - Ant 0 + 1	Test Channel:	44
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
*	8692.5	33.1	13.6	46.8	68.2	-21.4	Peak	Horizontal
*	9789.0	33.2	15.3	48.5	68.2	-19.7	Peak	Horizontal
	10928.0	32.0	18.9	50.9	54.0	-3.1	Peak	Horizontal
	12381.5	30.7	18.4	49.1	54.0	-4.9	Peak	Horizontal
*	8641.5	34.0	13.5	47.5	68.2	-20.7	Peak	Vertical
*	9823.0	33.3	15.4	48.6	68.2	-19.6	Peak	Vertical
	10690.0	31.3	18.4	49.7	54.0	-4.3	Peak	Vertical
	12330.5	30.7	18.5	49.1	54.0	-4.9	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/06/29
Test Mode:	802.11a - Ant 0 + 1	Test Channel:	48
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
*	8803.0	32.7	13.9	46.6	68.2	-21.6	Peak	Horizontal
*	9899.5	33.3	15.5	48.9	68.2	-19.3	Peak	Horizontal
	11463.5	31.5	19.2	50.7	54.0	-3.3	Peak	Horizontal
	15773.0	30.0	21.0	51.0	54.0	-3.0	Peak	Horizontal
*	8743.5	33.9	13.8	47.6	68.2	-20.6	Peak	Vertical
*	10078.0	32.6	16.1	48.7	68.2	-19.5	Peak	Vertical
	11038.5	30.6	19.1	49.7	54.0	-4.3	Peak	Vertical
	12364.5	30.7	18.4	49.1	54.0	-4.9	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/06/29
Test Mode:	802.11a - Ant 0 + 1	Test Channel:	149
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
*	8701.0	35.4	13.6	49.1	68.2	-19.1	Peak	Horizontal
*	9772.0	34.1	15.2	49.3	68.2	-18.9	Peak	Horizontal
	10996.0	30.8	19.1	49.9	54.0	-4.1	Peak	Horizontal
	12407.0	30.5	18.4	48.9	54.0	-5.1	Peak	Horizontal
*	8769.0	34.5	13.8	48.3	68.2	-19.9	Peak	Vertical
*	9772.0	32.9	15.2	48.1	68.2	-20.1	Peak	Vertical
	11081.0	31.5	19.1	50.6	54.0	-3.4	Peak	Vertical
	12517.5	30.2	18.3	48.5	54.0	-5.5	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/06/29
Test Mode:	802.11a - Ant 0 + 1	Test Channel:	157
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
*	8718.0	34.3	13.7	48.0	68.2	-20.2	Peak	Horizontal
*	9721.0	33.4	15.1	48.6	68.2	-19.6	Peak	Horizontal
	10758.0	30.9	18.5	49.4	54.0	-4.6	Peak	Horizontal
	12432.5	30.3	18.4	48.6	54.0	-5.4	Peak	Horizontal
*	8624.5	33.8	13.5	47.2	68.2	-21.0	Peak	Vertical
*	9678.5	33.2	15.0	48.3	68.2	-19.9	Peak	Vertical
	11242.5	30.6	19.2	49.8	54.0	-4.2	Peak	Vertical
	12424.0	30.7	18.4	49.0	54.0	-5.0	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/06/29
Test Mode:	802.11a - Ant 0 + 1	Test Channel:	165
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
*	8658.5	34.9	13.5	48.5	68.2	-19.7	Peak	Horizontal
*	10095.0	31.7	16.2	47.9	68.2	-20.3	Peak	Horizontal
	11829.0	29.8	19.0	48.8	54.0	-5.2	Peak	Horizontal
	15569.0	27.7	21.7	49.5	54.0	-4.5	Peak	Horizontal
*	8760.5	32.3	13.8	46.1	68.2	-22.1	Peak	Vertical
*	9585.0	32.6	14.8	47.4	68.2	-20.8	Peak	Vertical
	10732.5	30.7	18.5	49.2	54.0	-4.8	Peak	Vertical
	12509.0	30.2	18.3	48.5	54.0	-5.5	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/06/29
Test Mode:	802.11ac-VHT20 - Ant 0 + 1	Test Channel:	36
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
*	8777.5	34.6	13.8	48.4	68.2	-19.8	Peak	Horizontal
*	10086.5	31.4	16.1	47.5	68.2	-20.7	Peak	Horizontal
	10928.0	32.8	18.9	51.7	54.0	-2.3	Peak	Horizontal
	12169.0	31.3	18.6	49.9	54.0	-4.1	Peak	Horizontal
*	8718.0	33.6	13.7	47.3	68.2	-20.9	Peak	Vertical
*	9857.0	34.0	15.4	49.4	68.2	-18.8	Peak	Vertical
	10987.5	31.4	19.1	50.5	54.0	-3.5	Peak	Vertical
	12364.5	30.6	18.4	49.0	54.0	-5.0	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/06/29
Test Mode:	802.11ac-VHT20 - Ant 0 + 1	Test Channel:	44
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
*	8701.0	33.6	13.6	47.3	68.2	-20.9	Peak	Horizontal
*	10035.5	32.1	15.9	48.0	68.2	-20.2	Peak	Horizontal
	11812.0	29.7	19.0	48.7	54.0	-5.3	Peak	Horizontal
	15866.5	27.7	20.7	48.4	54.0	-5.6	Peak	Horizontal
*	8862.5	34.3	14.0	48.4	68.2	-19.8	Peak	Vertical
*	9857.0	33.7	15.4	49.1	68.2	-19.1	Peak	Vertical
	11217.0	30.6	19.2	49.8	54.0	-4.2	Peak	Vertical
	15773.0	28.2	21.0	49.2	54.0	-4.8	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/06/29
Test Mode:	802.11ac-VHT20 - Ant 0 + 1	Test Channel:	48
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
*	8786.0	33.6	13.9	47.4	68.2	-20.8	Peak	Horizontal
*	9899.5	33.3	15.5	48.8	68.2	-19.4	Peak	Horizontal
	11200.0	30.9	19.1	50.1	54.0	-3.9	Peak	Horizontal
	15705.0	29.2	21.2	50.4	54.0	-3.6	Peak	Horizontal
*	8854.0	34.3	14.0	48.3	68.2	-19.9	Peak	Vertical
*	9772.0	33.9	15.2	49.1	68.2	-19.1	Peak	Vertical
	10996.0	30.7	19.1	49.7	54.0	-4.3	Peak	Vertical
	15543.5	27.6	21.8	49.4	54.0	-4.6	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/06/29
Test Mode:	802.11ac-VHT20 - Ant 0 + 1	Test Channel:	149
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
*	8650.0	33.4	13.5	46.9	68.2	-21.3	Peak	Horizontal
*	9763.5	32.7	15.2	47.9	68.2	-20.3	Peak	Horizontal
	11004.5	30.4	19.1	49.5	54.0	-4.5	Peak	Horizontal
	12271.0	31.8	18.5	50.4	54.0	-3.6	Peak	Horizontal
*	8599.0	33.8	13.4	47.2	68.2	-21.0	Peak	Vertical
*	10078.0	31.7	16.1	47.9	68.2	-20.3	Peak	Vertical
	10970.5	31.7	19.0	50.7	54.0	-3.3	Peak	Vertical
	12330.5	30.5	18.5	49.0	54.0	-5.0	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/06/29
Test Mode:	802.11ac-VHT20 - Ant 0 + 1	Test Channel:	157
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
*	8582.0	34.8	13.4	48.2	68.2	-20.0	Peak	Horizontal
*	10052.5	32.4	16.0	48.4	68.2	-19.8	Peak	Horizontal
	10996.0	30.4	19.1	49.5	54.0	-4.5	Peak	Horizontal
	12330.5	30.4	18.5	48.8	54.0	-5.2	Peak	Horizontal
*	8616.0	32.8	13.4	46.3	68.2	-22.0	Peak	Vertical
*	9789.0	32.3	15.3	47.5	68.2	-20.7	Peak	Vertical
	10732.5	31.5	18.5	49.9	54.0	-4.1	Peak	Vertical
	12109.5	30.4	18.7	49.1	54.0	-4.9	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/06/29
Test Mode:	802.11ac-VHT20 - Ant 0 + 1	Test Channel:	165
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
*	8769.0	33.2	13.8	47.1	68.2	-21.1	Peak	Horizontal
*	9874.0	32.9	15.5	48.4	68.2	-19.8	Peak	Horizontal
	11072.5	31.2	19.1	50.3	54.0	-3.7	Peak	Horizontal
	12007.5	30.6	18.8	49.4	54.0	-4.6	Peak	Horizontal
*	8675.5	33.2	13.6	46.8	68.2	-21.4	Peak	Vertical
*	9840.0	32.4	15.4	47.8	68.2	-20.4	Peak	Vertical
	11055.5	33.3	19.1	52.4	54.0	-1.6	Peak	Vertical
	12364.5	30.6	18.4	49.0	54.0	-5.0	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/06/29
Test Mode:	802.11ac-VHT40 - Ant 0 + 1	Test Channel:	38
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
*	8624.5	33.7	13.5	47.2	68.2	-21.0	Peak	Horizontal
*	10052.5	34.5	16.0	50.4	68.2	-17.8	Peak	Horizontal
	10987.5	31.1	19.1	50.2	54.0	-3.8	Peak	Horizontal
	12585.5	30.0	18.5	48.5	54.0	-5.5	Peak	Horizontal
*	8752.0	33.2	13.8	47.0	68.2	-21.2	Peak	Vertical
*	9916.5	32.2	15.6	47.7	68.2	-20.5	Peak	Vertical
	11030.0	30.3	19.1	49.4	54.0	-4.6	Peak	Vertical
	12509.0	30.4	18.3	48.7	54.0	-5.3	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/06/29
Test Mode:	802.11ac-VHT40 - Ant 0 + 1	Test Channel:	46
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
*	8735.0	32.7	13.7	46.4	68.2	-21.8	Peak	Horizontal
*	9729.5	32.6	15.1	47.7	68.2	-20.5	Peak	Horizontal
	11225.5	31.1	19.2	50.3	54.0	-3.7	Peak	Horizontal
	12585.5	30.3	18.5	48.8	54.0	-5.2	Peak	Horizontal
*	8752.0	33.6	13.8	47.4	68.2	-20.8	Peak	Vertical
*	9653.0	32.3	15.0	47.3	68.2	-20.9	Peak	Vertical
	11004.5	30.2	19.1	49.3	54.0	-4.7	Peak	Vertical
	12381.5	30.8	18.4	49.2	54.0	-4.8	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/06/29
Test Mode:	802.11ac-VHT40 - Ant 0 + 1	Test Channel:	151
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
*	8735.0	33.5	13.7	47.2	68.2	-21.0	Peak	Horizontal
*	10078.0	32.6	16.1	48.7	68.2	-19.5	Peak	Horizontal
	11897.0	30.2	18.9	49.1	54.0	-4.9	Peak	Horizontal
	15790.0	28.1	20.9	49.0	54.0	-5.0	Peak	Horizontal
*	8752.0	32.4	13.8	46.1	68.2	-22.1	Peak	Vertical
*	9916.5	32.3	15.6	47.9	68.2	-20.3	Peak	Vertical
	11523.0	30.0	19.2	49.3	54.0	-4.7	Peak	Vertical
	15960.0	28.0	20.3	48.4	54.0	-5.6	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/06/29
Test Mode:	802.11ac-VHT40 - Ant 0 + 1	Test Channel:	159
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
*	8735.0	35.3	13.7	49.1	68.2	-19.1	Peak	Horizontal
*	10095.0	34.3	16.2	50.5	68.2	-17.7	Peak	Horizontal
	11633.5	32.1	19.1	51.2	54.0	-2.8	Peak	Horizontal
	16062.0	30.0	20.4	50.4	54.0	-3.6	Peak	Horizontal
*	8718.0	32.2	13.7	45.9	68.2	-22.3	Peak	Vertical
*	10078.0	31.6	16.1	47.7	68.2	-20.5	Peak	Vertical
	11633.5	30.7	19.1	49.8	54.0	-4.2	Peak	Vertical
	15841.0	27.6	20.8	48.4	54.0	-5.6	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/06/29
Test Mode:	802.11ac-VHT80 - Ant 0 + 1	Test Channel:	42
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
*	8667.0	34.8	13.6	48.4	68.2	-19.8	Peak	Horizontal
*	9942.0	33.7	15.6	49.3	68.2	-18.9	Peak	Horizontal
	11200.0	30.4	19.1	49.5	54.0	-4.5	Peak	Horizontal
	16019.5	27.9	20.3	48.2	54.0	-5.8	Peak	Horizontal
*	8752.0	34.3	13.8	48.1	68.2	-20.1	Peak	Vertical
*	9678.5	33.2	15.0	48.2	68.2	-20.0	Peak	Vertical
	11174.5	30.5	19.1	49.6	54.0	-4.4	Peak	Vertical
	15790.0	27.8	20.9	48.8	54.0	-5.2	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/06/29
Test Mode:	802.11ac-VHT80 - Ant 0 + 1	Test Channel:	155
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
*	8692.5	33.0	13.6	46.7	68.2	-21.5	Peak	Horizontal
*	10001.5	32.1	15.8	47.8	68.2	-20.4	Peak	Horizontal
	11684.5	30.5	19.1	49.6	54.0	-4.4	Peak	Horizontal
	15790.0	27.1	20.9	48.1	54.0	-5.9	Peak	Horizontal
*	8590.5	33.1	13.4	46.4	68.2	-21.8	Peak	Vertical
*	9925.0	32.1	15.6	47.7	68.2	-20.5	Peak	Vertical
	11812.0	29.7	19.0	48.7	54.0	-5.3	Peak	Vertical
	15849.5	27.3	20.7	48.1	54.0	-5.9	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/06/29
Test Mode:	802.11ax-HE20 - Ant 0 + 1	Test Channel:	36
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
*	8811.5	33.7	13.9	47.6	68.2	-20.6	Peak	Horizontal
*	10358.5	31.4	17.3	48.8	68.2	-19.4	Peak	Horizontal
	11812.0	29.5	19.0	48.5	54.0	-5.5	Peak	Horizontal
	15858.0	27.4	20.7	48.2	54.0	-5.8	Peak	Horizontal
*	8692.5	34.3	13.6	47.9	68.2	-20.3	Peak	Vertical
*	10129.0	31.6	16.3	47.9	68.2	-20.3	Peak	Vertical
	11956.5	29.9	18.9	48.8	54.0	-5.2	Peak	Vertical
	15858.0	27.3	20.7	48.0	54.0	-6.0	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/06/29
Test Mode:	802.11ax-HE20 - Ant 0 + 1	Test Channel:	44
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
*	8582.0	33.2	13.4	46.6	68.2	-21.6	Peak	Horizontal
*	9678.5	33.6	15.0	48.6	68.2	-19.6	Peak	Horizontal
	11531.5	30.1	19.2	49.3	54.0	-4.7	Peak	Horizontal
	15790.0	27.4	20.9	48.3	54.0	-5.7	Peak	Horizontal
*	8794.5	33.9	13.9	47.8	68.2	-20.4	Peak	Vertical
*	10307.5	31.1	17.1	48.2	68.2	-20.0	Peak	Vertical
	12101.0	29.7	18.7	48.4	54.0	-5.6	Peak	Vertical
	15492.5	28.8	21.9	50.7	54.0	-3.3	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/06/29
Test Mode:	802.11ax-HE20 - Ant 0 + 1	Test Channel:	48
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
*	8888.0	34.4	14.1	48.5	68.2	-19.7	Peak	Horizontal
*	10001.5	32.6	15.8	48.3	68.2	-19.9	Peak	Horizontal
	11276.5	30.6	19.2	49.7	54.0	-4.3	Peak	Horizontal
	15960.0	28.5	20.3	48.8	54.0	-5.2	Peak	Horizontal
*	8905.0	34.1	14.1	48.3	68.2	-19.9	Peak	Vertical
*	10197.0	31.4	16.6	48.1	68.2	-20.1	Peak	Vertical
	11837.5	29.7	19.0	48.7	54.0	-5.3	Peak	Vertical
	15637.0	28.5	21.5	50.0	54.0	-4.0	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/06/29
Test Mode:	802.11ax-HE20 - Ant 0 + 1	Test Channel:	149
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
*	8667.0	32.2	13.6	45.7	68.2	-22.5	Peak	Horizontal
*	10061.0	31.7	16.0	47.7	68.2	-20.5	Peak	Horizontal
	11684.5	30.5	19.1	49.6	54.0	-4.4	Peak	Horizontal
	15960.0	27.8	20.3	48.2	54.0	-5.8	Peak	Horizontal
*	8684.0	32.0	13.6	45.6	68.2	-22.6	Peak	Vertical
*	9976.0	31.8	15.7	47.5	68.2	-20.7	Peak	Vertical
	12169.0	30.8	18.6	49.4	54.0	-4.6	Peak	Vertical
	15849.5	27.7	20.7	48.5	54.0	-5.5	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/06/29
Test Mode:	802.11ax-HE20 - Ant 0 + 1	Test Channel:	157
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
*	8718.0	33.2	13.7	46.9	68.2	-21.3	Peak	Horizontal
*	9814.5	31.9	15.3	47.3	68.2	-20.9	Peak	Horizontal
	11327.5	31.2	19.2	50.4	54.0	-3.6	Peak	Horizontal
	15841.0	27.1	20.8	47.8	54.0	-6.2	Peak	Horizontal
*	8743.5	32.0	13.8	45.7	68.2	-22.5	Peak	Vertical
*	10171.5	31.3	16.5	47.8	68.2	-20.4	Peak	Vertical
	12339.0	29.7	18.5	48.2	54.0	-5.8	Peak	Vertical
	15849.5	27.0	20.7	47.7	54.0	-6.3	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/06/29
Test Mode:	802.11ax-HE20 - Ant 0 + 1	Test Channel:	165
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
*	8658.5	32.6	13.5	46.2	68.2	-22.0	Peak	Horizontal
*	10443.5	30.7	17.7	48.4	68.2	-19.8	Peak	Horizontal
	12381.5	29.9	18.4	48.4	54.0	-5.6	Peak	Horizontal
	15594.5	27.4	21.6	49.0	54.0	-5.0	Peak	Horizontal
*	8658.5	32.7	13.5	46.3	68.2	-21.9	Peak	Vertical
*	9899.5	32.6	15.5	48.1	68.2	-20.1	Peak	Vertical
	11854.5	28.8	18.9	47.8	54.0	-6.2	Peak	Vertical
	16028.0	28.4	20.3	48.8	54.0	-5.2	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/06/29
Test Mode:	802.11ax-HE40 - Ant 0 + 1	Test Channel:	38
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
*	8769.0	34.2	13.8	48.0	68.2	-20.2	Peak	Horizontal
*	9874.0	31.9	15.5	47.3	68.2	-20.9	Peak	Horizontal
	11234.0	29.9	19.2	49.1	54.0	-4.9	Peak	Horizontal
	15841.0	27.0	20.8	47.7	54.0	-6.3	Peak	Horizontal
*	8777.5	33.3	13.8	47.1	68.2	-21.1	Peak	Vertical
*	10078.0	31.6	16.1	47.7	68.2	-20.5	Peak	Vertical
	11914.0	29.9	18.9	48.8	54.0	-5.2	Peak	Vertical
	15866.5	27.8	20.7	48.4	54.0	-5.6	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/06/29
Test Mode:	802.11ax-HE40 - Ant 0 + 1	Test Channel:	46
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
*	8633.0	34.8	13.5	48.3	68.2	-19.9	Peak	Horizontal
*	9840.0	32.1	15.4	47.5	68.2	-20.7	Peak	Horizontal
	11846.0	29.7	19.0	48.7	54.0	-5.3	Peak	Horizontal
	15849.5	27.9	20.7	48.6	54.0	-5.4	Peak	Horizontal
*	8794.5	34.3	13.9	48.1	68.2	-20.1	Peak	Vertical
*	10010.0	32.2	15.8	48.0	68.2	-20.2	Peak	Vertical
	11846.0	29.9	19.0	48.8	54.0	-5.2	Peak	Vertical
	15560.5	28.8	21.7	50.5	54.0	-3.5	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/06/29
Test Mode:	802.11ax-HE40 - Ant 0 + 1	Test Channel:	151
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
*	8650.0	32.3	13.5	45.8	68.2	-22.4	Peak	Horizontal
*	10401.0	31.4	17.5	48.9	68.2	-19.3	Peak	Horizontal
	12356.0	30.0	18.5	48.4	54.0	-5.6	Peak	Horizontal
	15705.0	28.3	21.2	49.5	54.0	-4.5	Peak	Horizontal
*	8854.0	31.4	14.0	45.4	68.2	-22.8	Peak	Vertical
*	10061.0	31.6	16.0	47.7	68.2	-20.5	Peak	Vertical
	12075.5	29.6	18.7	48.3	54.0	-5.7	Peak	Vertical
	15705.0	28.8	21.2	50.0	54.0	-4.0	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/06/29
Test Mode:	802.11ax-HE40 - Ant 0 + 1	Test Channel:	159
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
*	8786.0	34.0	13.9	47.9	68.2	-20.3	Peak	Horizontal
*	9636.0	33.3	14.9	48.2	68.2	-20.0	Peak	Horizontal
	11574.0	31.3	19.2	50.5	54.0	-3.5	Peak	Horizontal
	15492.5	26.8	21.9	48.7	54.0	-5.3	Peak	Horizontal
*	8854.0	34.9	14.0	48.9	68.2	-19.3	Peak	Vertical
*	10443.5	30.4	17.7	48.1	68.2	-20.1	Peak	Vertical
	12339.0	29.5	18.5	48.0	54.0	-6.0	Peak	Vertical
	15756.0	26.9	21.1	48.0	54.0	-6.0	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/06/29
Test Mode:	802.11ax-HE80 - Ant 0 + 1	Test Channel:	42
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
*	8777.5	31.5	13.8	45.4	68.2	-22.8	Peak	Horizontal
*	10086.5	31.4	16.1	47.6	68.2	-20.6	Peak	Horizontal
	12084.0	29.5	18.7	48.2	54.0	-5.8	Peak	Horizontal
	15781.5	27.2	21.0	48.1	54.0	-5.9	Peak	Horizontal
*	8743.5	33.0	13.8	46.7	68.2	-21.5	Peak	Vertical
*	9942.0	32.4	15.6	48.0	68.2	-20.2	Peak	Vertical
	11455.0	30.1	19.2	49.4	54.0	-4.6	Peak	Vertical
	15841.0	27.2	20.8	48.0	54.0	-6.0	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/06/29
Test Mode:	802.11ax-HE80 - Ant 0 + 1	Test Channel:	155
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
*	8735.0	34.2	13.7	47.9	68.2	-20.3	Peak	Horizontal
*	10350.0	32.3	17.3	49.6	68.2	-18.6	Peak	Horizontal
	11812.0	29.8	19.0	48.7	54.0	-5.3	Peak	Horizontal
	15637.0	28.6	21.5	50.1	54.0	-3.9	Peak	Horizontal
*	8760.5	34.1	13.8	47.9	68.2	-20.3	Peak	Vertical
*	9942.0	33.0	15.6	48.6	68.2	-19.6	Peak	Vertical
	11378.5	31.7	19.2	50.9	54.0	-3.1	Peak	Vertical
	15815.5	27.3	20.9	48.1	54.0	-5.9	Peak	Vertical

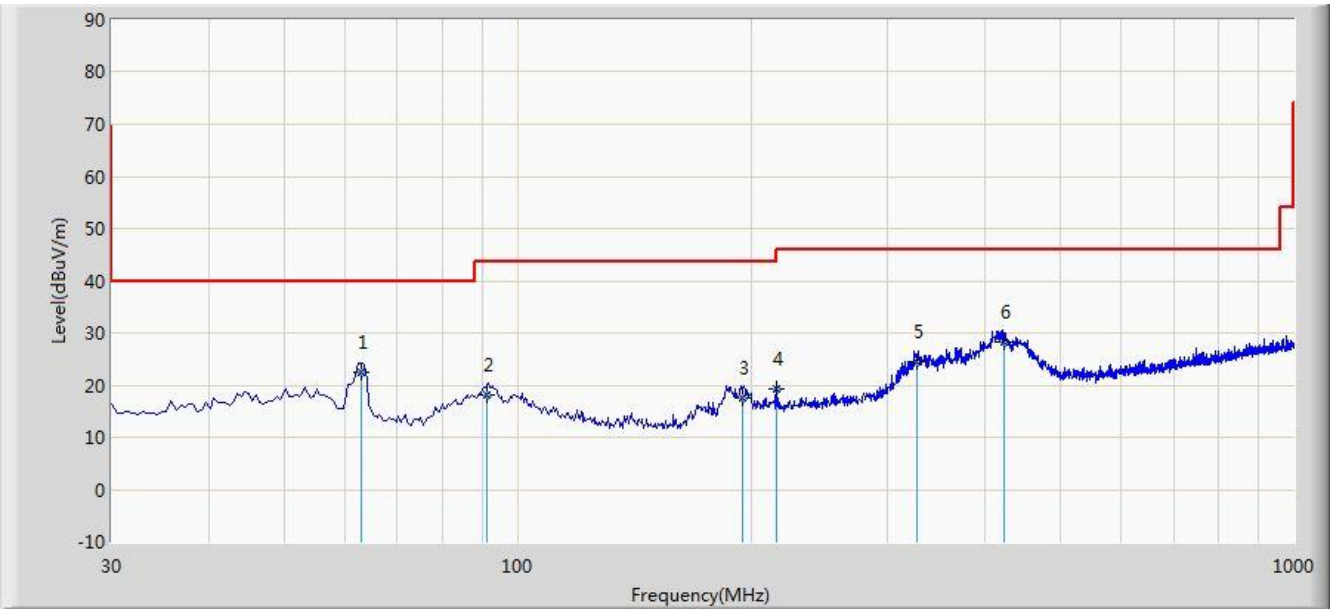
Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

The Worst Case of Radiated Emission below 1GHz:

Site: AC1	Time: 2019/07/13 - 12:51
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: VULB 9168_20-2000MHz	Polarity: Horizontal
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: There is the worst case within frequency range 30MHz~1GHz.	



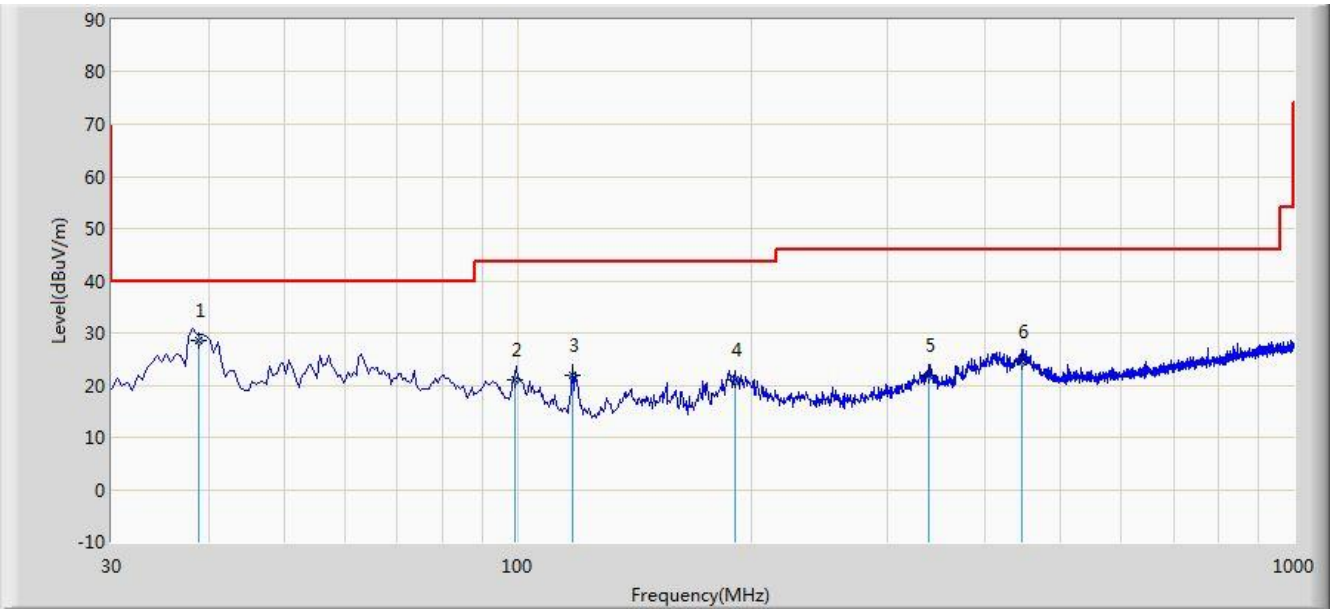
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	62.980	22.585	3.796	-17.415	40.000	18.789	QP
2			91.145	18.146	0.908	-25.354	43.500	17.237	QP
3			194.580	17.649	-1.211	-25.851	43.500	18.860	QP
4			215.440	19.217	0.200	-24.283	43.500	19.018	QP
5			327.470	24.504	2.044	-21.496	46.000	22.460	QP
6			422.980	28.231	4.028	-17.769	46.000	24.203	QP

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + 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. Besides, there is a comparison data of both open-field test site and alternative test site semi-Anechoic chamber according to KDB 414788 D01 radiated test site v01r01, this comparison result was very similar.

Site: AC1	Time: 2019/07/13 - 12:54
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: VULB 9168_20-2000MHz	Polarity: Vertical
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: There is the worst case within frequency range 30MHz~1GHz.	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	38.840	28.659	8.325	-11.341	40.000	20.334	QP
2			99.480	21.024	1.983	-22.476	43.500	19.041	QP
3			117.598	21.981	3.731	-21.519	43.500	18.250	QP
4			190.480	21.116	2.476	-22.384	43.500	18.641	QP
5			338.970	21.850	-1.054	-24.150	46.000	22.904	QP
6			445.980	24.497	0.050	-21.503	46.000	24.447	QP

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + 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. Besides, there is a comparison data of both open-field test site and alternative test site semi-Anechoic chamber according to KDB 414788 D01 radiated test site v01r01, this comparison result was very similar.

For APIN0504 - Omni Antenna (AP-ANT-19)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/06/30
Test Mode:	802.11a - Ant 0 + 1	Test Channel:	36
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
*	8786.0	33.2	13.9	47.1	68.2	-21.1	Peak	Horizontal
*	9942.0	33.8	15.6	49.4	68.2	-18.8	Peak	Horizontal
	11225.5	32.5	19.2	51.7	54.0	-2.3	Peak	Horizontal
	12339.0	31.3	18.5	49.8	54.0	-4.2	Peak	Horizontal
*	8701.0	34.2	13.6	47.8	68.2	-20.4	Peak	Vertical
*	9814.5	34.7	15.3	50.0	68.2	-18.2	Peak	Vertical
	11140.5	31.9	19.1	51.0	54.0	-3.0	Peak	Vertical
	12373.0	31.1	18.4	49.5	54.0	-4.5	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/06/30
Test Mode:	802.11a - Ant 0 + 1	Test Channel:	44
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
*	8718.0	33.1	13.7	46.8	68.2	-21.4	Peak	Horizontal
*	10086.5	32.6	16.1	48.7	68.2	-19.5	Peak	Horizontal
	11795.0	31.0	19.0	50.0	54.0	-4.0	Peak	Horizontal
	15968.5	28.8	20.3	49.1	54.0	-4.9	Peak	Horizontal
*	8777.5	34.6	13.8	48.4	68.2	-19.8	Peak	Vertical
*	10069.5	31.9	16.1	48.0	68.2	-20.2	Peak	Vertical
	11633.5	32.2	19.1	51.3	54.0	-2.7	Peak	Vertical
	15798.5	28.2	20.9	49.1	54.0	-4.9	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/06/30
Test Mode:	802.11a - Ant 0 + 1	Test Channel:	48
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
*	8616.0	34.3	13.4	47.7	68.2	-20.5	Peak	Horizontal
*	10120.5	33.6	16.3	49.9	68.2	-18.3	Peak	Horizontal
	12398.5	31.1	18.4	49.5	54.0	-4.5	Peak	Horizontal
	15824.0	28.6	20.8	49.4	54.0	-4.6	Peak	Horizontal
*	8888.0	34.0	14.1	48.1	68.2	-20.1	Peak	Vertical
*	9772.0	32.6	15.2	47.8	68.2	-20.4	Peak	Vertical
	11004.5	30.4	19.1	49.5	54.0	-4.5	Peak	Vertical
	12364.5	29.9	18.4	48.3	54.0	-5.7	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/06/30
Test Mode:	802.11a - Ant 0 + 1	Test Channel:	149
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
*	8624.5	35.2	13.5	48.7	68.2	-19.5	Peak	Horizontal
*	9942.0	34.0	15.6	49.6	68.2	-18.6	Peak	Horizontal
	11174.5	31.6	19.1	50.7	54.0	-3.3	Peak	Horizontal
	12322.0	31.2	18.5	49.7	54.0	-4.3	Peak	Horizontal
*	8760.5	33.4	13.8	47.2	68.2	-21.0	Peak	Vertical
*	10129.0	32.6	16.3	48.9	68.2	-19.3	Peak	Vertical
	11829.0	30.6	19.0	49.6	54.0	-4.4	Peak	Vertical
	15841.0	28.3	20.8	49.1	54.0	-4.9	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/06/30
Test Mode:	802.11a - Ant 0 + 1	Test Channel:	157
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
*	8837.0	34.6	14.0	48.6	68.2	-19.6	Peak	Horizontal
*	9831.5	33.2	15.4	48.6	68.2	-19.6	Peak	Horizontal
	10894.0	32.2	18.8	51.0	54.0	-3.0	Peak	Horizontal
	12381.5	30.7	18.4	49.1	54.0	-4.9	Peak	Horizontal
*	8811.5	34.6	13.9	48.5	68.2	-19.7	Peak	Vertical
*	9687.0	33.7	15.0	48.7	68.2	-19.5	Peak	Vertical
	11225.5	30.9	19.2	50.1	54.0	-3.9	Peak	Vertical
	15705.0	30.3	21.2	51.5	54.0	-2.5	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/06/30
Test Mode:	802.11a - Ant 0 + 1	Test Channel:	165
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
*	8786.0	33.2	13.9	47.1	68.2	-21.1	Peak	Horizontal
*	9551.0	33.9	14.7	48.6	68.2	-19.6	Peak	Horizontal
	11489.0	31.3	19.2	50.5	54.0	-3.5	Peak	Horizontal
	15841.0	28.9	20.8	49.7	54.0	-4.3	Peak	Horizontal
*	8675.5	33.0	13.6	46.6	68.2	-21.6	Peak	Vertical
*	9551.0	33.0	14.7	47.7	68.2	-20.5	Peak	Vertical
	10698.5	31.5	18.4	49.9	54.0	-4.1	Peak	Vertical
	12560.0	30.9	18.4	49.3	54.0	-4.7	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/06/30
Test Mode:	802.11ac-VHT20 - Ant 0 + 1	Test Channel:	36
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
*	8845.5	34.7	14.0	48.7	68.2	-19.5	Peak	Horizontal
*	10239.5	33.7	16.8	50.5	68.2	-17.7	Peak	Horizontal
	10826.0	32.4	18.7	51.1	54.0	-2.9	Peak	Horizontal
	12424.0	30.6	18.4	49.0	54.0	-5.0	Peak	Horizontal
*	8658.5	32.4	13.5	45.9	68.2	-22.3	Peak	Vertical
*	10035.5	33.2	15.9	49.1	68.2	-19.1	Peak	Vertical
	10834.5	31.8	18.7	50.5	54.0	-3.5	Peak	Vertical
	12458.0	30.1	18.3	48.4	54.0	-5.6	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/06/30
Test Mode:	802.11ac-VHT20 - Ant 0 + 1	Test Channel:	44
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
*	8837.0	34.3	14.0	48.3	68.2	-19.9	Peak	Horizontal
*	10103.5	33.8	16.2	50.0	68.2	-18.2	Peak	Horizontal
	11225.5	31.0	19.2	50.2	54.0	-3.8	Peak	Horizontal
	12492.0	30.8	18.3	49.1	54.0	-4.9	Peak	Horizontal
*	8998.5	34.1	14.4	48.5	68.2	-19.7	Peak	Vertical
*	10103.5	31.9	16.2	48.1	68.2	-20.1	Peak	Vertical
	11327.5	32.5	19.2	51.7	54.0	-2.3	Peak	Vertical
	15790.0	27.7	20.9	48.6	54.0	-5.4	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/06/30
Test Mode:	802.11ac-VHT20 - Ant 0 + 1	Test Channel:	48
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
*	8633.0	32.6	13.5	46.1	68.2	-22.1	Peak	Horizontal
*	10035.5	33.5	15.9	49.4	68.2	-18.8	Peak	Horizontal
	11234.0	29.3	19.2	48.5	54.0	-5.5	Peak	Horizontal
	12441.0	29.8	18.4	48.2	54.0	-5.8	Peak	Horizontal
*	8845.5	33.6	14.0	47.6	68.2	-20.6	Peak	Vertical
*	10180.0	31.2	16.6	47.8	68.2	-20.4	Peak	Vertical
	12007.5	30.4	18.8	49.2	54.0	-4.8	Peak	Vertical
	15849.5	25.8	20.7	46.5	54.0	-7.5	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/06/30
Test Mode:	802.11ac-VHT20 - Ant 0 + 1	Test Channel:	149
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
*	8786.0	34.0	13.9	47.9	68.2	-20.3	Peak	Horizontal
*	9678.5	32.8	15.0	47.8	68.2	-20.4	Peak	Horizontal
	11497.5	30.0	19.2	49.2	54.0	-4.8	Peak	Horizontal
	15917.5	28.5	20.5	49.0	54.0	-5.0	Peak	Horizontal
*	8845.5	33.8	14.0	47.8	68.2	-20.4	Peak	Vertical
*	9908.0	35.4	15.6	51.0	68.2	-17.2	Peak	Vertical
	11531.5	30.9	19.2	50.1	54.0	-3.9	Peak	Vertical
	16062.0	29.2	20.4	49.6	54.0	-4.4	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/06/30
Test Mode:	802.11ac-VHT20 - Ant 0 + 1	Test Channel:	157
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
*	8777.5	33.6	13.8	47.4	68.2	-20.8	Peak	Horizontal
*	9695.5	33.8	15.1	48.9	68.2	-19.3	Peak	Horizontal
	11064.0	31.6	19.1	50.7	54.0	-3.3	Peak	Horizontal
	12330.5	29.7	18.5	48.2	54.0	-5.8	Peak	Horizontal
*	8658.5	32.6	13.5	46.1	68.2	-22.1	Peak	Vertical
*	10120.5	32.9	16.3	49.2	68.2	-19.0	Peak	Vertical
	11676.0	30.3	19.1	49.4	54.0	-4.6	Peak	Vertical
	15790.0	27.3	20.9	48.2	54.0	-5.8	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/06/30
Test Mode:	802.11ac-VHT20 - Ant 0 + 1	Test Channel:	165
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
*	8871.0	33.4	14.1	47.5	68.2	-20.7	Peak	Horizontal
*	9789.0	34.4	15.3	49.7	68.2	-18.5	Peak	Horizontal
	11251.0	31.6	19.2	50.8	54.0	-3.2	Peak	Horizontal
	12441.0	31.1	18.4	49.5	54.0	-4.5	Peak	Horizontal
*	8616.0	34.4	13.4	47.8	68.2	-20.4	Peak	Vertical
*	10052.5	31.9	16.0	47.9	68.2	-20.3	Peak	Vertical
	11684.5	32.0	19.1	51.1	54.0	-2.9	Peak	Vertical
	15798.5	27.1	20.9	48.0	54.0	-6.0	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/06/30
Test Mode:	802.11ac-VHT40 - Ant 0 + 1	Test Channel:	38
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
*	8726.5	35.3	13.7	49.0	68.2	-19.2	Peak	Horizontal
*	10052.5	33.5	16.0	49.5	68.2	-18.7	Peak	Horizontal
	11378.5	31.6	19.2	50.8	54.0	-3.2	Peak	Horizontal
	16028.0	28.1	20.3	48.4	54.0	-5.6	Peak	Horizontal
*	8922.0	33.9	14.2	48.1	68.2	-20.1	Peak	Vertical
*	10171.5	32.6	16.5	49.1	68.2	-19.1	Peak	Vertical
	11582.5	30.6	19.2	49.8	54.0	-4.2	Peak	Vertical
	15849.5	27.4	20.7	48.1	54.0	-5.9	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/06/30
Test Mode:	802.11ac-VHT40 - Ant 0 + 1	Test Channel:	46
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
*	8709.5	33.7	13.7	47.4	68.2	-20.8	Peak	Horizontal
*	10061.0	32.5	16.0	48.5	68.2	-19.7	Peak	Horizontal
	11633.5	33.5	19.1	52.6	54.0	-1.4	Peak	Horizontal
	16002.5	28.2	20.2	48.4	54.0	-5.6	Peak	Horizontal
*	8803.0	34.1	13.9	48.0	68.2	-20.2	Peak	Vertical
*	10316.0	31.7	17.2	48.9	68.2	-19.3	Peak	Vertical
	12067.0	29.9	18.8	48.7	54.0	-5.3	Peak	Vertical
	15909.0	27.4	20.5	47.9	54.0	-6.1	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/06/30
Test Mode:	802.11ac-VHT40 - Ant 0 + 1	Test Channel:	151
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
*	8752.0	35.1	13.8	48.9	68.2	-19.3	Peak	Horizontal
*	10154.5	33.5	16.4	49.9	68.2	-18.3	Peak	Horizontal
	11786.5	30.3	19.0	49.3	54.0	-4.7	Peak	Horizontal
	15773.0	28.1	21.0	49.1	54.0	-4.9	Peak	Horizontal
*	8735.0	32.1	13.7	45.8	68.2	-22.4	Peak	Vertical
*	10078.0	33.6	16.1	49.7	68.2	-18.5	Peak	Vertical
	11378.5	30.6	19.2	49.8	54.0	-4.2	Peak	Vertical
	15841.0	27.5	20.8	48.3	54.0	-5.7	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/06/30
Test Mode:	802.11ac-VHT40 - Ant 0 + 1	Test Channel:	159
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
*	8879.5	33.9	14.1	48.0	68.2	-20.2	Peak	Horizontal
*	9967.5	33.7	15.7	49.4	68.2	-18.8	Peak	Horizontal
	11956.5	30.7	18.9	49.6	54.0	-4.4	Peak	Horizontal
	16053.5	27.9	20.4	48.3	54.0	-5.7	Peak	Horizontal
*	8692.5	32.1	13.6	45.7	68.2	-22.5	Peak	Vertical
*	9925.0	34.0	15.6	49.6	68.2	-18.6	Peak	Vertical
	12007.5	32.4	18.8	51.2	54.0	-2.8	Peak	Vertical
	15790.0	27.3	20.9	48.2	54.0	-5.8	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/06/30
Test Mode:	802.11ac-VHT80 - Ant 0 + 1	Test Channel:	42
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
*	8692.5	33.0	13.6	46.6	68.2	-21.6	Peak	Horizontal
*	9959.0	33.6	15.7	49.3	68.2	-18.9	Peak	Horizontal
	11786.5	30.5	19.0	49.5	54.0	-4.5	Peak	Horizontal
	15790.0	27.9	20.9	48.8	54.0	-5.2	Peak	Horizontal
*	8769.0	32.6	13.8	46.4	68.2	-21.8	Peak	Vertical
*	10375.5	31.3	17.4	48.7	68.2	-19.5	Peak	Vertical
	12458.0	30.5	18.3	48.8	54.0	-5.2	Peak	Vertical
	15900.5	27.9	20.6	48.5	54.0	-5.5	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/06/30
Test Mode:	802.11ac-VHT80 - Ant 0 + 1	Test Channel:	155
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
*	8752.0	33.8	13.8	47.6	68.2	-20.6	Peak	Horizontal
*	10018.5	32.2	15.8	48.0	68.2	-20.2	Peak	Horizontal
	11854.5	29.5	18.9	48.4	54.0	-5.6	Peak	Horizontal
	15662.5	27.5	21.4	48.9	54.0	-5.1	Peak	Horizontal
*	8811.5	33.8	13.9	47.7	68.2	-20.5	Peak	Vertical
*	9814.5	33.4	15.3	48.7	68.2	-19.5	Peak	Vertical
	12169.0	30.6	18.6	49.2	54.0	-4.8	Peak	Vertical
	15790.0	27.6	20.9	48.5	54.0	-5.5	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/06/30
Test Mode:	802.11ax-HE20 - Ant 0 + 1	Test Channel:	36
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
*	8658.5	33.2	13.5	46.7	68.2	-21.5	Peak	Horizontal
*	9780.5	33.9	15.3	49.2	68.2	-19.0	Peak	Horizontal
	11948.0	32.1	18.9	51.0	54.0	-3.0	Peak	Horizontal
	15841.0	27.6	20.8	48.4	54.0	-5.6	Peak	Horizontal
*	8913.5	33.5	14.2	47.7	68.2	-20.5	Peak	Vertical
*	9993.0	32.9	15.7	48.6	68.2	-19.6	Peak	Vertical
	11370.0	30.6	19.2	49.8	54.0	-4.2	Peak	Vertical
	15832.5	27.9	20.8	48.7	54.0	-5.3	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/06/30
Test Mode:	802.11ax-HE20 - Ant 0 + 1	Test Channel:	44
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
*	8769.0	33.7	13.8	47.5	68.2	-20.7	Peak	Horizontal
*	10078.0	33.5	16.1	49.6	68.2	-18.6	Peak	Horizontal
	11965.0	31.0	18.9	49.9	54.0	-4.1	Peak	Horizontal
	15824.0	28.4	20.8	49.2	54.0	-4.8	Peak	Horizontal
*	8786.0	34.3	13.9	48.2	68.2	-20.0	Peak	Vertical
*	9959.0	33.5	15.7	49.2	68.2	-19.0	Peak	Vertical
	11820.5	30.1	19.0	49.1	54.0	-4.9	Peak	Vertical
	15841.0	28.0	20.8	48.8	54.0	-5.2	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/06/30
Test Mode:	802.11ax-HE20 - Ant 0 + 1	Test Channel:	48
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
*	8828.5	32.3	14.0	46.3	68.2	-21.9	Peak	Horizontal
*	9695.5	35.2	15.1	50.3	68.2	-17.9	Peak	Horizontal
	10953.5	30.8	19.0	49.8	54.0	-4.2	Peak	Horizontal
	12364.5	30.6	18.4	49.0	54.0	-5.0	Peak	Horizontal
*	8769.0	31.9	13.8	45.7	68.2	-22.5	Peak	Vertical
*	10078.0	32.0	16.1	48.1	68.2	-20.1	Peak	Vertical
	11276.5	30.5	19.2	49.7	54.0	-4.3	Peak	Vertical
	16011.0	28.3	20.3	48.6	54.0	-5.4	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/06/30
Test Mode:	802.11ax-HE20 - Ant 0 + 1	Test Channel:	149
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
*	8811.5	34.3	13.9	48.2	68.2	-20.0	Peak	Horizontal
*	10409.5	30.9	17.6	48.5	68.2	-19.7	Peak	Horizontal
	11820.5	30.1	19.0	49.1	54.0	-4.9	Peak	Horizontal
	15849.5	27.7	20.7	48.4	54.0	-5.6	Peak	Horizontal
*	8692.5	33.7	13.6	47.3	68.2	-20.9	Peak	Vertical
*	9899.5	33.1	15.5	48.6	68.2	-19.6	Peak	Vertical
	11888.5	29.6	18.9	48.5	54.0	-5.5	Peak	Vertical
	15858.0	27.4	20.7	48.1	54.0	-5.9	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/06/30
Test Mode:	802.11ax-HE20 - Ant 0 + 1	Test Channel:	157
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
*	8709.5	34.0	13.7	47.7	68.2	-20.5	Peak	Horizontal
*	10137.5	31.7	16.4	48.1	68.2	-20.1	Peak	Horizontal
	12390.0	30.1	18.4	48.5	54.0	-5.5	Peak	Horizontal
	15909.0	27.8	20.5	48.3	54.0	-5.7	Peak	Horizontal
*	8905.0	34.6	14.1	48.7	68.2	-19.5	Peak	Vertical
*	9984.5	33.9	15.7	49.6	68.2	-18.6	Peak	Vertical
	11795.0	30.1	19.0	49.1	54.0	-4.9	Peak	Vertical
	15841.0	28.0	20.8	48.8	54.0	-5.2	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/06/30
Test Mode:	802.11ax-HE20 - Ant 0 + 1	Test Channel:	165
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
*	8811.5	34.5	13.9	48.4	68.2	-19.8	Peak	Horizontal
*	10078.0	32.4	16.1	48.5	68.2	-19.7	Peak	Horizontal
	12254.0	30.2	18.6	48.8	54.0	-5.2	Peak	Horizontal
	15773.0	28.3	21.0	49.3	54.0	-4.7	Peak	Horizontal
*	8743.5	32.8	13.8	46.6	68.2	-21.6	Peak	Vertical
*	10027.0	32.0	15.9	47.9	68.2	-20.3	Peak	Vertical
	12254.0	30.1	18.6	48.7	54.0	-5.3	Peak	Vertical
	15492.5	28.4	21.9	50.3	54.0	-3.7	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/06/30
Test Mode:	802.11ax-HE40 - Ant 0 + 1	Test Channel:	38
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
*	8743.5	31.8	13.8	45.6	68.2	-22.6	Peak	Horizontal
*	10086.5	32.2	16.1	48.3	68.2	-19.9	Peak	Horizontal
	11863.0	29.7	18.9	48.6	54.0	-5.4	Peak	Horizontal
	15968.5	28.3	20.3	48.6	54.0	-5.4	Peak	Horizontal
*	8735.0	33.3	13.7	47.0	68.2	-21.2	Peak	Vertical
*	10180.0	32.5	16.6	49.1	68.2	-19.1	Peak	Vertical
	12330.5	30.6	18.5	49.1	54.0	-4.9	Peak	Vertical
	16011.0	28.2	20.3	48.5	54.0	-5.5	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/06/30
Test Mode:	802.11ax-HE40 - Ant 0 + 1	Test Channel:	46
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
*	8752.0	32.9	13.8	46.7	68.2	-21.5	Peak	Horizontal
*	10044.0	32.9	16.0	48.9	68.2	-19.3	Peak	Horizontal
	11812.0	30.1	19.0	49.1	54.0	-4.9	Peak	Horizontal
	15832.5	27.7	20.8	48.5	54.0	-5.5	Peak	Horizontal
*	8658.5	33.5	13.5	47.0	68.2	-21.2	Peak	Vertical
*	10044.0	32.3	16.0	48.3	68.2	-19.9	Peak	Vertical
	11761.0	30.6	19.0	49.6	54.0	-4.4	Peak	Vertical
	15841.0	27.1	20.8	47.9	54.0	-6.1	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/06/30
Test Mode:	802.11ax-HE40 - Ant 0 + 1	Test Channel:	151
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
*	8590.5	33.6	13.4	47.0	68.2	-21.2	Peak	Horizontal
*	10069.5	34.1	16.1	50.2	68.2	-18.0	Peak	Horizontal
	11846.0	29.7	19.0	48.7	54.0	-5.3	Peak	Horizontal
	15849.5	27.8	20.7	48.5	54.0	-5.5	Peak	Horizontal
*	8718.0	32.2	13.7	45.9	68.2	-22.3	Peak	Vertical
*	9925.0	32.5	15.6	48.1	68.2	-20.1	Peak	Vertical
	11786.5	30.8	19.0	49.8	54.0	-4.2	Peak	Vertical
	15637.0	28.0	21.5	49.5	54.0	-4.5	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/06/30
Test Mode:	802.11ax-HE40 - Ant 0 + 1	Test Channel:	159
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
*	8667.0	32.4	13.6	46.0	68.2	-22.2	Peak	Horizontal
*	9993.0	32.3	15.7	48.0	68.2	-20.2	Peak	Horizontal
	11863.0	30.2	18.9	49.1	54.0	-4.9	Peak	Horizontal
	15849.5	28.3	20.7	49.0	54.0	-5.0	Peak	Horizontal
*	8667.0	32.9	13.6	46.5	68.2	-21.7	Peak	Vertical
*	10044.0	32.6	16.0	48.6	68.2	-19.6	Peak	Vertical
	11684.5	30.6	19.1	49.7	54.0	-4.3	Peak	Vertical
	15671.0	27.4	21.4	48.8	54.0	-5.2	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/06/30
Test Mode:	802.11ax-HE80 - Ant 0 + 1	Test Channel:	42
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
*	8675.5	32.4	13.6	46.0	68.2	-22.2	Peak	Horizontal
*	10248.0	31.7	16.9	48.6	68.2	-19.6	Peak	Horizontal
	12271.0	30.4	18.5	48.9	54.0	-5.1	Peak	Horizontal
	15849.5	27.9	20.7	48.6	54.0	-5.4	Peak	Horizontal
*	8854.0	32.7	14.0	46.7	68.2	-21.5	Peak	Vertical
*	10307.5	31.3	17.1	48.4	68.2	-19.8	Peak	Vertical
	11897.0	30.6	18.9	49.5	54.0	-4.5	Peak	Vertical
	15849.5	28.0	20.7	48.7	54.0	-5.3	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/06/30
Test Mode:	802.11ax-HE80 - Ant 0 + 1	Test Channel:	155
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
*	8692.5	32.1	13.6	45.7	68.2	-22.5	Peak	Horizontal
*	9857.0	33.6	15.4	49.0	68.2	-19.2	Peak	Horizontal
	11234.0	30.1	19.2	49.3	54.0	-4.7	Peak	Horizontal
	15773.0	27.3	21.0	48.3	74.0	-25.7	Peak	Horizontal
*	8582.0	33.8	13.4	47.2	54.0	-6.8	Peak	Vertical
*	9729.5	33.0	15.1	48.1	68.2	-20.1	Peak	Vertical
	11072.5	31.6	19.1	50.7	54.0	-3.3	Peak	Vertical
	12432.5	30.7	18.4	49.1	54.0	-4.9	Peak	Vertical

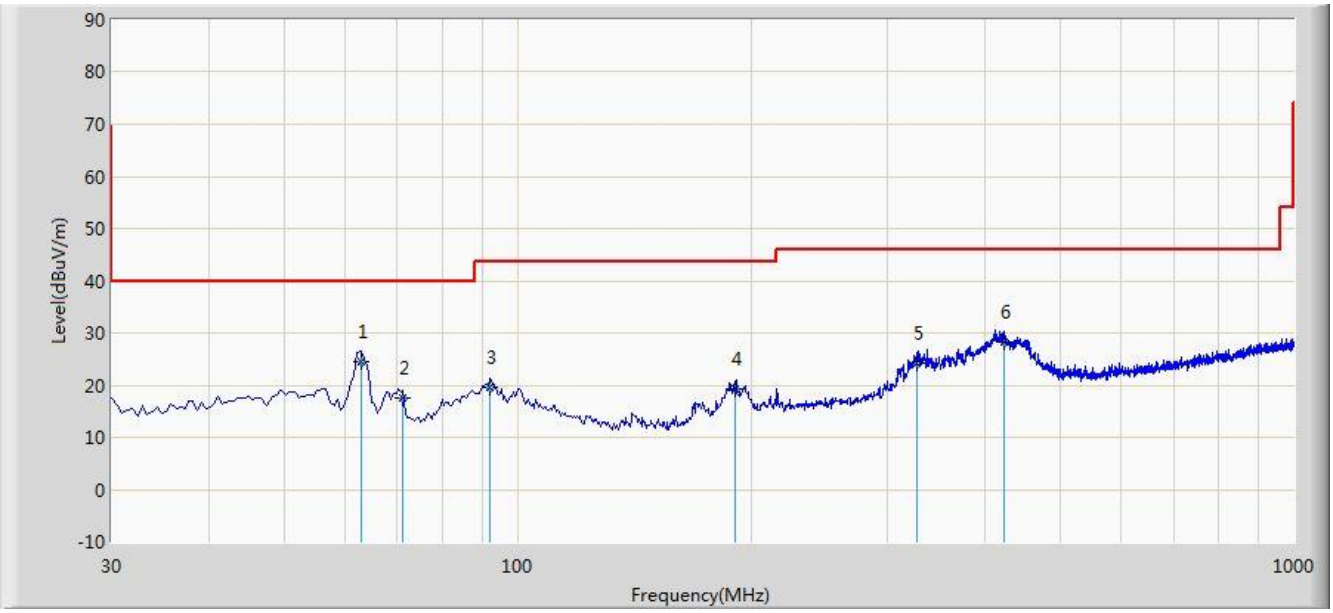
Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

The Worst Case of Radiated Emission below 1GHz:

Site: AC1	Time: 2019/07/13 - 13:14
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: VULB 9168_20-2000MHz	Polarity: Horizontal
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: There is the worst case within frequency range 30MHz~1GHz.	



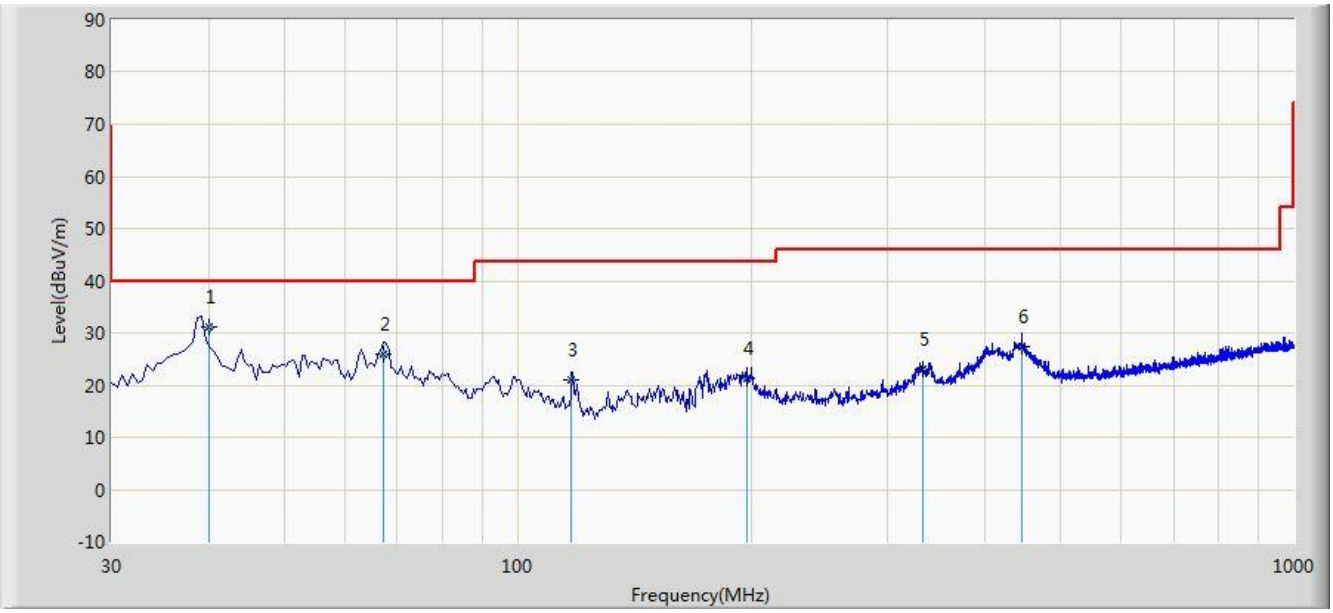
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	62.940	24.359	5.552	-15.641	40.000	18.807	QP
2			71.225	17.415	1.954	-22.585	40.000	15.460	QP
3			92.158	19.588	2.131	-23.912	43.500	17.457	QP
4			191.148	19.154	0.478	-24.346	43.500	18.676	QP
5			326.740	24.281	1.849	-21.719	46.000	22.432	QP
6			422.970	28.231	4.028	-17.769	46.000	24.203	QP

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + 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. Besides, there is a comparison data of both open-field test site and alternative test site semi-Anechoic chamber according to KDB 414788 D01 radiated test site v01r01, this comparison result was very similar.

Site: AC1	Time: 2019/07/13 - 13:16
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: VULB 9168_20-2000MHz	Polarity: Vertical
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: There is the worst case within frequency range 30MHz~1GHz.	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	39.980	31.265	10.547	-8.735	40.000	20.718	QP
2			67.290	25.826	8.950	-14.174	40.000	16.877	QP
3			117.487	21.020	2.756	-22.480	43.500	18.264	QP
4			197.540	21.432	2.414	-22.068	43.500	19.018	QP
5			332.540	22.986	0.330	-23.014	46.000	22.655	QP
6			446.714	27.524	3.069	-18.476	46.000	24.455	QP

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + 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. Besides, there is a comparison data of both open-field test site and alternative test site semi-Anechoic chamber according to KDB 414788 D01 radiated test site v01r01, this comparison result was very similar.

For APIN0504 - Directional Antenna (AP-ANT-28)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/07/12
Test Mode:	802.11a - Ant 0 + 1	Test Channel:	36
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
*	8811.5	32.6	13.9	46.5	68.2	-21.7	Peak	Horizontal
*	9814.5	33.3	15.3	48.7	68.2	-19.5	Peak	Horizontal
	10792.0	33.2	18.6	51.8	54.0	-2.2	Peak	Horizontal
	12390.0	30.2	18.4	48.6	54.0	-5.4	Peak	Horizontal
*	8769.0	33.1	13.8	46.9	68.2	-21.3	Peak	Vertical
*	10095.0	33.3	16.2	49.5	68.2	-18.7	Peak	Vertical
	11225.5	30.6	19.2	49.8	54.0	-4.2	Peak	Vertical
	12526.0	30.7	18.4	49.1	54.0	-5.0	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/07/12
Test Mode:	802.11a - Ant 0 + 1	Test Channel:	44
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
*	8769.0	32.6	13.8	46.4	68.2	-21.8	Peak	Horizontal
*	9814.5	32.7	15.3	48.0	68.2	-20.2	Peak	Horizontal
	11072.5	31.5	19.1	50.6	54.0	-3.4	Peak	Horizontal
	12415.5	29.9	18.4	48.3	54.0	-5.7	Peak	Horizontal
*	8794.5	34.3	13.9	48.2	68.2	-20.0	Peak	Vertical
*	10044.0	33.1	16.0	49.0	68.2	-19.2	Peak	Vertical
	11982.0	30.9	18.8	49.7	54.0	-4.3	Peak	Vertical
	15654.0	32.3	21.4	53.7	54.0	-0.3	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/07/12
Test Mode:	802.11a - Ant 0 + 1	Test Channel:	48
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
*	8624.5	34.8	13.5	48.2	68.2	-20.0	Peak	Horizontal
*	10010.0	34.4	15.8	50.2	68.2	-18.0	Peak	Horizontal
	11531.5	33.1	19.2	52.4	54.0	-1.6	Peak	Horizontal
	12551.5	30.1	18.4	48.6	54.0	-5.4	Peak	Horizontal
*	8845.5	34.1	14.0	48.1	68.2	-20.1	Peak	Vertical
*	10044.0	33.3	16.0	49.3	68.2	-18.9	Peak	Vertical
	11191.5	32.8	19.1	52.0	54.0	-2.0	Peak	Vertical
	15713.5	35.1	21.2	56.3	54.0	2.3	Peak	Vertical
	15718.9	22.6	21.2	43.8	54.0	-10.2	Average	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/07/12
Test Mode:	802.11a - Ant 0 + 1	Test Channel:	149
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
*	8539.5	34.1	13.3	47.4	68.2	-20.8	Peak	Horizontal
*	9993.0	33.6	15.7	49.3	68.2	-18.9	Peak	Horizontal
	11812.0	30.4	19.0	49.4	54.0	-4.6	Peak	Horizontal
	15807.0	27.6	20.9	48.5	54.0	-5.5	Peak	Horizontal
*	8811.5	34.7	13.9	48.6	68.2	-19.6	Peak	Vertical
*	9959.0	34.4	15.7	50.1	68.2	-18.1	Peak	Vertical
	11174.5	30.8	19.1	49.9	54.0	-4.1	Peak	Vertical
	15832.5	27.9	20.8	48.7	54.0	-5.3	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/07/12
Test Mode:	802.11a - Ant 0 + 1	Test Channel:	157
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
*	8735.0	33.7	13.7	47.4	68.2	-20.8	Peak	Horizontal
*	10214.0	33.9	16.7	50.6	68.2	-17.6	Peak	Horizontal
	11795.0	31.4	19.0	50.4	54.0	-3.6	Peak	Horizontal
	15773.0	28.0	21.0	49.0	54.0	-5.0	Peak	Horizontal
*	8735.0	34.3	13.7	48.0	68.2	-20.2	Peak	Vertical
*	9993.0	32.1	15.7	47.8	68.2	-20.4	Peak	Vertical
	12041.5	32.3	18.8	51.1	54.0	-2.9	Peak	Vertical
	15620.0	27.6	21.5	49.1	54.0	-4.9	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/07/12
Test Mode:	802.11a - Ant 0 + 1	Test Channel:	165
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
*	8701.0	35.5	13.6	49.1	68.2	-19.1	Peak	Horizontal
*	10103.5	34.4	16.2	50.6	68.2	-17.6	Peak	Horizontal
	12007.5	31.3	18.8	50.1	54.0	-3.9	Peak	Horizontal
	15832.5	27.8	20.8	48.6	54.0	-5.4	Peak	Horizontal
*	8658.5	34.6	13.5	48.2	68.2	-20.0	Peak	Vertical
*	10239.5	33.5	16.8	50.3	68.2	-17.9	Peak	Vertical
	12084.0	31.0	18.7	49.7	54.0	-4.3	Peak	Vertical
	15807.0	28.3	20.9	49.1	54.0	-4.9	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/07/12
Test Mode:	802.11ac-VHT20 - Ant 0 + 1	Test Channel:	36
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
*	8760.5	34.7	13.8	48.5	68.2	-19.8	Peak	Horizontal
*	10171.5	32.5	16.5	49.0	68.2	-19.2	Peak	Horizontal
	11922.5	30.0	18.9	48.9	54.0	-5.1	Peak	Horizontal
	15849.5	27.7	20.7	48.4	54.0	-5.6	Peak	Horizontal
*	8854.0	35.1	14.0	49.1	68.2	-19.1	Peak	Vertical
*	9874.0	33.2	15.5	48.6	68.2	-19.6	Peak	Vertical
	11455.0	31.0	19.2	50.2	54.0	-3.8	Peak	Vertical
	15917.5	28.0	20.5	48.5	54.0	-5.5	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/07/12
Test Mode:	802.11ac-VHT20 - Ant 0 + 1	Test Channel:	44
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
*	8616.0	34.4	13.4	47.8	68.2	-20.4	Peak	Horizontal
*	10001.5	32.6	15.8	48.4	68.2	-19.8	Peak	Horizontal
	11625.0	31.2	19.1	50.4	54.0	-3.6	Peak	Horizontal
	15849.5	27.2	20.7	47.9	54.0	-6.1	Peak	Horizontal
*	8641.5	35.4	13.5	48.9	68.2	-19.3	Peak	Vertical
*	9908.0	36.0	15.6	51.6	68.2	-16.6	Peak	Vertical
	11735.5	31.4	19.0	50.5	54.0	-3.5	Peak	Vertical
	15658.3	21.1	21.4	42.5	54.0	-11.5	Average	Vertical
	15671.0	32.8	21.4	54.1	54.0	0.1	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/07/12
Test Mode:	802.11ac-VHT20 - Ant 0 + 1	Test Channel:	48
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
*	8786.0	32.5	13.9	46.3	68.2	-21.9	Peak	Horizontal
*	10129.0	32.0	16.3	48.4	68.2	-19.8	Peak	Horizontal
	11820.5	30.4	19.0	49.4	54.0	-4.6	Peak	Horizontal
	15560.5	27.3	21.7	49.1	54.0	-4.9	Peak	Horizontal
*	8845.5	33.6	14.0	47.6	68.2	-20.6	Peak	Vertical
*	10120.5	32.8	16.3	49.1	68.2	-19.1	Peak	Vertical
	11888.5	30.8	18.9	49.7	54.0	-4.3	Peak	Vertical
	15713.5	35.9	21.2	57.1	54.0	3.1	Peak	Vertical
	15719.2	22.9	21.2	44.0	54.0	-10.0	Average	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/07/12
Test Mode:	802.11ac-VHT20 - Ant 0 + 1	Test Channel:	149
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
*	8692.5	33.0	13.6	46.6	68.2	-21.6	Peak	Horizontal
*	10290.5	34.4	17.0	51.5	68.2	-16.7	Peak	Horizontal
	12220.0	30.7	18.6	49.3	54.0	-4.7	Peak	Horizontal
	15832.5	27.4	20.8	48.2	54.0	-5.8	Peak	Horizontal
*	8692.5	34.5	13.6	48.2	68.2	-20.0	Peak	Vertical
*	10384.0	34.3	17.5	51.7	68.2	-16.5	Peak	Vertical
	11795.0	31.7	19.0	50.7	54.0	-3.3	Peak	Vertical
	15773.0	28.3	21.0	49.3	54.0	-4.7	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/07/12
Test Mode:	802.11ac-VHT20 - Ant 0 + 1	Test Channel:	157
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
*	8811.5	33.7	13.9	47.6	68.2	-20.6	Peak	Horizontal
*	10035.5	32.0	15.9	47.9	68.2	-20.3	Peak	Horizontal
	11718.5	30.4	19.1	49.4	54.0	-4.6	Peak	Horizontal
	15807.0	27.3	20.9	48.2	54.0	-5.8	Peak	Horizontal
*	8794.5	32.1	13.9	46.0	68.2	-22.2	Peak	Vertical
*	9959.0	32.7	15.7	48.3	68.2	-19.9	Peak	Vertical
	11846.0	29.4	19.0	48.3	54.0	-5.7	Peak	Vertical
	15849.5	27.7	20.7	48.4	54.0	-5.6	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/07/12
Test Mode:	802.11ac-VHT20 - Ant 0 + 1	Test Channel:	165
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
*	8624.5	34.3	13.5	47.8	68.2	-20.4	Peak	Horizontal
*	9967.5	32.6	15.7	48.3	68.2	-19.9	Peak	Horizontal
	11948.0	31.2	18.9	50.0	54.0	-4.0	Peak	Horizontal
	15849.5	27.1	20.7	47.8	54.0	-6.2	Peak	Horizontal
*	8709.5	32.5	13.7	46.1	68.2	-22.1	Peak	Vertical
*	10035.5	33.0	15.9	48.9	68.2	-19.3	Peak	Vertical
	11846.0	31.1	19.0	50.0	54.0	-4.0	Peak	Vertical
	15909.0	27.9	20.5	48.4	54.0	-5.6	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/07/12
Test Mode:	802.11ac-VHT40 - Ant 0 + 1	Test Channel:	38
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
*	8675.5	34.0	13.6	47.6	68.2	-20.6	Peak	Horizontal
*	9831.5	34.3	15.4	49.6	68.2	-18.6	Peak	Horizontal
	11489.0	31.1	19.2	50.3	54.0	-3.7	Peak	Horizontal
	15841.0	27.6	20.8	48.4	54.0	-5.6	Peak	Horizontal
*	8718.0	32.5	13.7	46.2	68.2	-22.0	Peak	Vertical
*	10078.0	32.1	16.1	48.2	68.2	-20.0	Peak	Vertical
	11684.5	31.6	19.1	50.7	54.0	-3.3	Peak	Vertical
	15849.5	27.4	20.7	48.1	54.0	-5.9	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/07/12
Test Mode:	802.11ac-VHT40 - Ant 0 + 1	Test Channel:	46
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
*	8786.0	32.1	13.9	46.0	68.2	-22.2	Peak	Horizontal
*	9916.5	32.9	15.6	48.5	68.2	-19.7	Peak	Horizontal
	11650.5	31.6	19.1	50.7	54.0	-3.3	Peak	Horizontal
	15900.5	27.5	20.6	48.1	54.0	-5.9	Peak	Horizontal
*	8769.0	33.6	13.8	47.4	68.2	-20.8	Peak	Vertical
*	10044.0	33.4	16.0	49.3	68.2	-18.9	Peak	Vertical
	11438.0	30.7	19.2	50.0	54.0	-4.0	Peak	Vertical
	15815.5	27.7	20.9	48.6	54.0	-5.4	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/07/12
Test Mode:	802.11ac-VHT40 - Ant 0 + 1	Test Channel:	151
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
*	8769.0	32.2	13.8	46.1	68.2	-22.1	Peak	Horizontal
*	9959.0	33.3	15.7	48.9	68.2	-19.3	Peak	Horizontal
	11948.0	31.7	18.9	50.5	54.0	-3.5	Peak	Horizontal
	15858.0	27.5	20.7	48.2	54.0	-5.8	Peak	Horizontal
*	8684.0	34.5	13.6	48.1	68.2	-20.1	Peak	Vertical
*	9772.0	33.1	15.2	48.3	68.2	-19.9	Peak	Vertical
	11735.5	30.7	19.0	49.7	54.0	-4.3	Peak	Vertical
	15764.5	27.7	21.0	48.8	54.0	-5.2	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/07/12
Test Mode:	802.11ac-VHT40 - Ant 0 + 1	Test Channel:	159
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
*	8794.5	33.8	13.9	47.7	68.2	-20.5	Peak	Horizontal
*	9942.0	34.2	15.6	49.8	68.2	-18.4	Peak	Horizontal
	11582.5	31.1	19.2	50.3	54.0	-3.7	Peak	Horizontal
	15815.5	27.4	20.9	48.2	54.0	-5.8	Peak	Horizontal
*	8743.5	34.0	13.8	47.7	68.2	-20.5	Peak	Vertical
*	10078.0	32.4	16.1	48.5	68.2	-19.7	Peak	Vertical
	11514.5	30.9	19.2	50.2	54.0	-3.8	Peak	Vertical
	15858.0	27.4	20.7	48.1	54.0	-5.9	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/07/12
Test Mode:	802.11ac-VHT80 - Ant 0 + 1	Test Channel:	42
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
*	8803.0	32.1	13.9	46.0	68.2	-22.2	Peak	Horizontal
*	10180.0	31.7	16.6	48.2	68.2	-20.0	Peak	Horizontal
	11803.5	30.1	19.0	49.1	54.0	-4.9	Peak	Horizontal
	15926.0	28.1	20.5	48.5	54.0	-5.5	Peak	Horizontal
*	8684.0	34.5	13.6	48.1	68.2	-20.1	Peak	Vertical
*	10035.5	33.0	15.9	48.9	68.2	-19.3	Peak	Vertical
	11812.0	30.7	19.0	49.7	54.0	-4.3	Peak	Vertical
	15900.5	27.8	20.6	48.3	54.0	-5.7	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/07/12
Test Mode:	802.11ac-VHT80 - Ant 0 + 1	Test Channel:	155
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
*	8616.0	33.9	13.4	47.3	68.2	-20.9	Peak	Horizontal
*	10248.0	33.1	16.9	49.9	68.2	-18.3	Peak	Horizontal
	11795.0	30.8	19.0	49.8	54.0	-4.2	Peak	Horizontal
	15790.0	27.1	20.9	48.0	54.0	-6.0	Peak	Horizontal
*	8658.5	33.0	13.5	46.5	68.2	-21.7	Peak	Vertical
*	10103.5	32.0	16.2	48.2	68.2	-20.0	Peak	Vertical
	11684.5	32.4	19.1	51.5	54.0	-2.5	Peak	Vertical
	15858.0	28.0	20.7	48.7	54.0	-5.3	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/07/12
Test Mode:	802.11ax-HE20 - Ant 0 + 1	Test Channel:	36
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
*	8752.0	34.3	13.8	48.1	68.2	-20.1	Peak	Horizontal
*	9857.0	33.5	15.4	48.9	68.2	-19.3	Peak	Horizontal
	11633.5	30.0	19.1	49.1	54.0	-4.9	Peak	Horizontal
	15790.0	27.4	20.9	48.3	54.0	-5.7	Peak	Horizontal
*	8820.0	34.4	13.9	48.3	68.2	-19.9	Peak	Vertical
*	10069.5	32.1	16.1	48.2	68.2	-20.0	Peak	Vertical
	11489.0	31.3	19.2	50.6	54.0	-3.4	Peak	Vertical
	15892.0	27.9	20.6	48.5	54.0	-5.5	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/07/12
Test Mode:	802.11ax-HE20 - Ant 0 + 1	Test Channel:	44
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
*	8794.5	31.9	13.9	45.8	68.2	-22.4	Peak	Horizontal
*	10341.5	31.0	17.3	48.3	68.2	-19.9	Peak	Horizontal
	11752.5	30.1	19.0	49.2	54.0	-4.8	Peak	Horizontal
	15909.0	27.4	20.5	48.0	54.0	-6.0	Peak	Horizontal
*	8786.0	31.9	13.9	45.8	68.2	-22.4	Peak	Vertical
*	10120.5	32.9	16.3	49.2	68.2	-19.0	Peak	Vertical
	11948.0	31.5	18.9	50.4	54.0	-3.6	Peak	Vertical
	15662.5	33.0	21.4	54.4	54.0	0.4	Peak	Vertical
	15663.5	21.4	21.4	42.8	54.0	-11.2	Average	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/07/12
Test Mode:	802.11ax-HE20 - Ant 0 + 1	Test Channel:	48
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
*	8811.5	32.3	13.9	46.2	68.2	-22.0	Peak	Horizontal
*	10078.0	32.2	16.1	48.3	68.2	-19.9	Peak	Horizontal
	12075.5	30.4	18.7	49.1	54.0	-4.9	Peak	Horizontal
	15781.5	26.9	21.0	47.9	54.0	-6.1	Peak	Horizontal
*	8735.0	33.1	13.7	46.9	68.2	-21.3	Peak	Vertical
*	10137.5	31.8	16.4	48.2	68.2	-20.0	Peak	Vertical
	11846.0	31.8	19.0	50.8	54.0	-3.2	Peak	Vertical
	15722.0	34.1	21.2	55.3	54.0	1.3	Peak	Vertical
	15724.6	22.2	21.2	43.4	54.0	-10.6	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/07/12
Test Mode:	802.11ax-HE20 - Ant 0 + 1	Test Channel:	149
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
*	8718.0	32.5	13.7	46.2	68.2	-22.0	Peak	Horizontal
*	9891.0	32.5	15.5	48.0	68.2	-20.2	Peak	Horizontal
	11786.5	30.5	19.0	49.5	54.0	-4.5	Peak	Horizontal
	15569.0	27.3	21.7	49.0	54.0	-5.0	Peak	Horizontal
*	8667.0	33.0	13.6	46.6	68.2	-21.6	Peak	Vertical
*	9899.5	33.4	15.5	48.9	68.2	-19.3	Peak	Vertical
	11837.5	30.1	19.0	49.0	54.0	-5.0	Peak	Vertical
	15662.5	27.4	21.4	48.7	54.0	-5.3	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/07/12
Test Mode:	802.11ax-HE20 - Ant 0 + 1	Test Channel:	157
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
*	8794.5	32.5	13.9	46.4	68.2	-21.8	Peak	Horizontal
*	10426.5	31.1	17.6	48.7	68.2	-19.5	Peak	Horizontal
	12415.5	30.1	18.4	48.5	54.0	-5.5	Peak	Horizontal
	14479.7	20.5	22.2	42.6	54.0	-11.4	Peak	Horizontal
*	14498.0	35.7	22.2	57.9	54.0	3.9	Peak	Vertical
*	8777.5	32.8	13.8	46.7	68.2	-21.5	Peak	Vertical
	9814.5	32.8	15.3	48.2	68.2	-20.0	Peak	Vertical
	11531.5	30.9	19.2	50.2	54.0	-3.9	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/07/12
Test Mode:	802.11ax-HE20 - Ant 0 + 1	Test Channel:	165
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
*	8820.0	34.4	13.9	48.3	68.2	-19.9	Peak	Horizontal
*	10265.0	31.1	16.9	48.0	68.2	-20.2	Peak	Horizontal
	11531.5	30.3	19.2	49.5	54.0	-4.5	Peak	Horizontal
	15841.0	27.2	20.8	48.0	54.0	-6.0	Peak	Horizontal
*	8701.0	33.4	13.6	47.0	68.2	-21.2	Peak	Vertical
*	10078.0	31.5	16.1	47.6	68.2	-20.6	Peak	Vertical
	11778.0	30.0	19.0	49.0	54.0	-5.0	Peak	Vertical
	16070.5	27.7	20.5	48.2	54.0	-5.8	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/07/12
Test Mode:	802.11ax-HE40 - Ant 0 + 1	Test Channel:	38
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
*	8769.0	32.3	13.8	46.2	68.2	-22.0	Peak	Horizontal
*	9823.0	32.8	15.4	48.2	68.2	-20.0	Peak	Horizontal
	12279.5	30.6	18.5	49.1	54.0	-4.9	Peak	Horizontal
	15773.0	27.8	21.0	48.8	54.0	-5.2	Peak	Horizontal
*	8973.0	31.5	14.3	45.8	68.2	-22.4	Peak	Vertical
*	9942.0	33.0	15.6	48.6	68.2	-19.6	Peak	Vertical
	11905.5	30.3	18.9	49.2	54.0	-4.8	Peak	Vertical
	15798.5	27.3	20.9	48.2	54.0	-5.8	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/07/12
Test Mode:	802.11ax-HE40 - Ant 0 + 1	Test Channel:	46
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
*	8692.5	33.2	13.6	46.9	68.2	-21.3	Peak	Horizontal
*	10103.5	31.5	16.2	47.8	68.2	-20.4	Peak	Horizontal
	11846.0	29.9	19.0	48.8	54.0	-5.2	Peak	Horizontal
	15654.0	27.1	21.4	48.5	54.0	-5.5	Peak	Horizontal
*	8811.5	33.1	13.9	47.1	68.2	-21.1	Peak	Vertical
*	10078.0	32.0	16.1	48.2	68.2	-20.0	Peak	Vertical
	11965.0	29.9	18.9	48.8	54.0	-5.2	Peak	Vertical
	15790.0	26.9	20.9	47.8	54.0	-6.2	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/07/12
Test Mode:	802.11ax-HE40 - Ant 0 + 1	Test Channel:	151
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
*	8667.0	34.1	13.6	47.7	68.2	-20.5	Peak	Horizontal
*	9916.5	33.0	15.6	48.5	68.2	-19.7	Peak	Horizontal
	11710.0	31.0	19.1	50.0	54.0	-4.0	Peak	Horizontal
	15781.5	27.1	21.0	48.0	54.0	-6.0	Peak	Horizontal
*	8692.5	33.2	13.6	46.8	68.2	-21.4	Peak	Vertical
*	9831.5	32.4	15.4	47.8	68.2	-20.4	Peak	Vertical
	11871.5	30.1	18.9	49.0	54.0	-5.0	Peak	Vertical
	15858.0	27.1	20.7	47.8	54.0	-6.2	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/07/12
Test Mode:	802.11ax-HE40 - Ant 0 + 1	Test Channel:	159
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
*	8565.0	33.3	13.3	46.6	68.2	-21.6	Peak	Horizontal
*	9789.0	32.4	15.3	47.7	68.2	-20.5	Peak	Horizontal
	11812.0	29.8	19.0	48.8	54.0	-5.2	Peak	Horizontal
	15858.0	27.8	20.7	48.5	54.0	-5.5	Peak	Horizontal
*	8582.0	35.2	13.4	48.5	68.2	-19.7	Peak	Vertical
*	9712.5	32.1	15.1	47.2	68.2	-21.0	Peak	Vertical
	11778.0	29.8	19.0	48.8	54.0	-5.2	Peak	Vertical
	15849.5	27.5	20.7	48.2	54.0	-5.8	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/07/12
Test Mode:	802.11ax-HE80 - Ant 0 + 1	Test Channel:	42
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
*	8743.5	33.5	13.8	47.2	68.2	-21.0	Peak	Horizontal
*	10222.5	32.8	16.7	49.6	68.2	-18.6	Peak	Horizontal
	11897.0	30.8	18.9	49.8	54.0	-4.3	Peak	Horizontal
	15858.0	27.5	20.7	48.2	54.0	-5.8	Peak	Horizontal
*	8760.5	31.7	13.8	45.5	68.2	-22.7	Peak	Vertical
*	10044.0	32.2	16.0	48.2	68.2	-20.0	Peak	Vertical
	11506.0	30.8	19.2	50.1	54.0	-3.9	Peak	Vertical
	15637.0	29.2	21.5	50.7	54.0	-3.3	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/07/12
Test Mode:	802.11ax-HE80 - Ant 0 + 1	Test Channel:	155
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
*	8735.0	33.6	13.7	47.3	68.2	-20.9	Peak	Horizontal
*	10095.0	31.9	16.2	48.1	68.2	-20.1	Peak	Horizontal
	12109.5	30.7	18.7	49.4	54.0	-4.6	Peak	Horizontal
	15832.5	27.5	20.8	48.3	54.0	-5.7	Peak	Horizontal
*	8624.5	32.5	13.5	45.9	68.2	-22.3	Peak	Vertical
*	10069.5	31.9	16.1	48.0	68.2	-20.2	Peak	Vertical
	12033.0	30.4	18.8	49.2	54.0	-4.8	Peak	Vertical
	15858.0	27.5	20.7	48.2	54.0	-5.8	Peak	Vertical

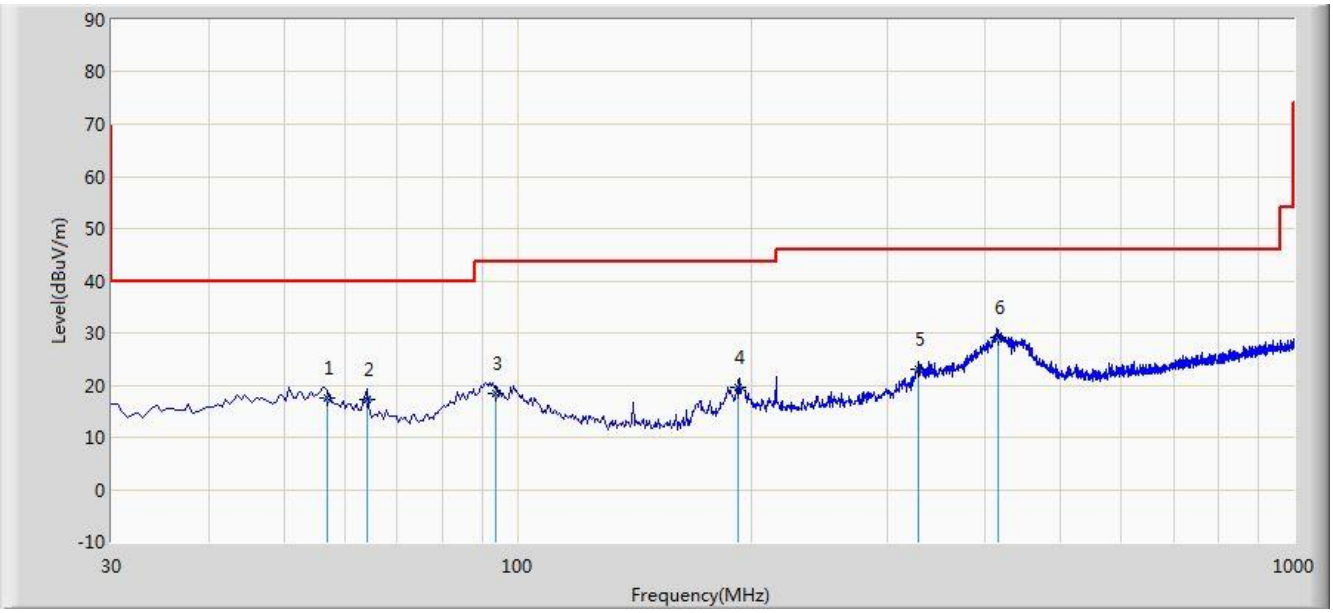
Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

The Worst Case of Radiated Emission below 1GHz:

Site: AC1	Time: 2019/07/13 - 13:26
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: VULB 9168_20-2000MHz	Polarity: Horizontal
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: There is the worst case within frequency range 30MHz~1GHz.	



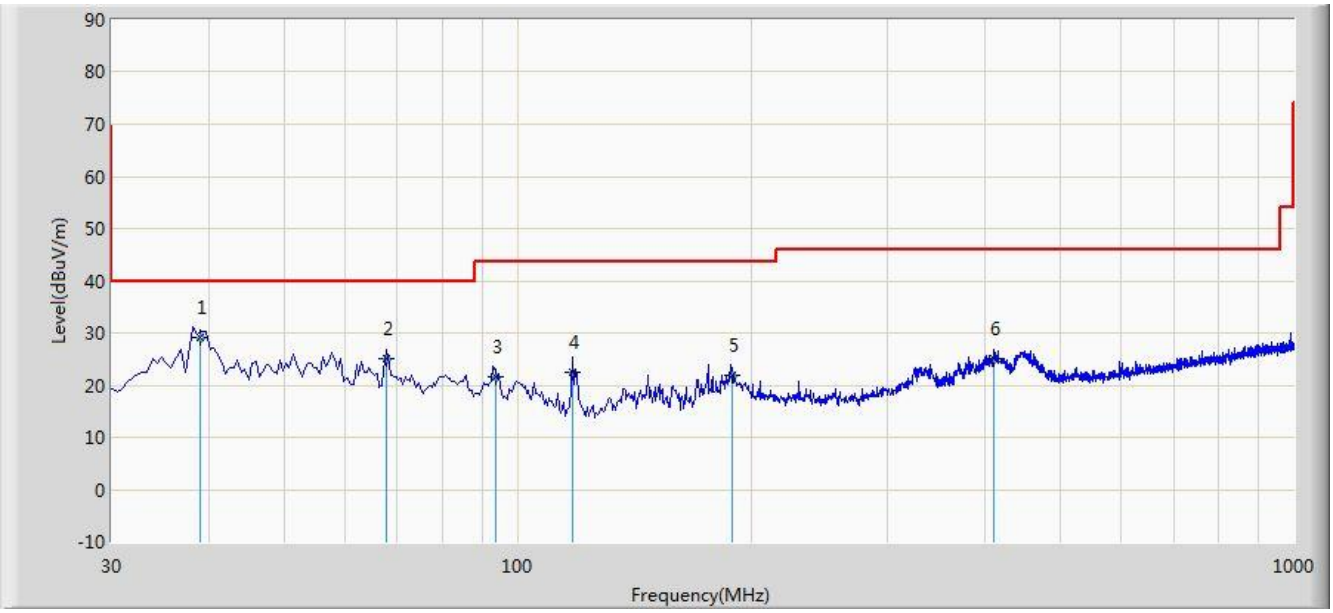
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			56.790	17.564	-3.105	-22.436	40.000	20.669	QP
2			63.950	17.376	-0.983	-22.624	40.000	18.359	QP
3			93.640	18.538	0.761	-24.962	43.500	17.777	QP
4			192.680	19.702	0.944	-23.798	43.500	18.758	QP
5		*	328.394	22.982	0.487	-23.018	46.000	22.495	QP
6			415.700	29.217	5.091	-16.783	46.000	24.125	QP

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + 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. Besides, there is a comparison data of both open-field test site and alternative test site semi-Anechoic chamber according to KDB 414788 D01 radiated test site v01r01, this comparison result was very similar.

Site: AC1	Time: 2019/07/13 - 13:30
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: VULB 9168_20-2000MHz	Polarity: Vertical
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: There is the worst case within frequency range 30MHz~1GHz.	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	38.940	29.078	8.708	-10.922	40.000	20.371	QP
2			67.890	25.059	8.449	-14.941	40.000	16.610	QP
3			93.598	21.487	3.719	-22.013	43.500	17.768	QP
4			117.970	22.594	4.391	-20.906	43.500	18.203	QP
5			188.940	21.882	3.440	-21.618	43.500	18.442	QP
6			410.590	25.179	1.107	-20.821	46.000	24.072	QP

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + 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. Besides, there is a comparison data of both open-field test site and alternative test site semi-Anechoic chamber according to KDB 414788 D01 radiated test site v01r01, this comparison result was very similar.

For APIN0505:

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/06/28
Test Mode:	802.11a - Ant 0 + 1	Test Channel:	36
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7502.5	34.3	12.7	47.0	54.0	-7.0	Peak	Horizontal
	8310.0	34.9	13.1	48.0	54.0	-6.0	Peak	Horizontal
*	8726.5	33.8	13.7	47.5	68.2	-20.7	Peak	Horizontal
*	9772.0	34.3	15.2	49.5	68.2	-18.7	Peak	Horizontal
	7468.5	35.9	12.6	48.5	54.0	-5.5	Peak	Vertical
	8165.5	34.5	13.0	47.5	54.0	-6.5	Peak	Vertical
*	8692.5	34.9	13.6	48.5	68.2	-19.7	Peak	Vertical
*	9865.5	33.5	15.5	49.0	68.2	-19.2	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/06/28
Test Mode:	802.11a - Ant 0 + 1	Test Channel:	44
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7638.5	34.8	12.8	47.6	54.0	-6.4	Peak	Horizontal
	8242.0	34.2	13.0	47.2	54.0	-6.8	Peak	Horizontal
*	8820.0	33.7	13.9	47.6	68.2	-20.6	Peak	Horizontal
*	9857.0	34.2	15.4	49.6	68.2	-18.6	Peak	Horizontal
	11701.5	32.9	19.1	52.0	54.0	-2.0	Peak	Vertical
	15662.5	32.2	21.4	53.6	54.0	-0.4	Peak	Vertical
*	9661.5	35.5	15.0	50.5	68.2	-17.7	Peak	Vertical
*	10350.0	32.5	17.3	49.8	68.2	-18.4	Peak	Vertical

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

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

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

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/06/28
Test Mode:	802.11a - Ant 0 + 1	Test Channel:	48
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
	7672.5	35.1	12.8	47.9	54.0	-6.1	Peak	Horizontal
	8386.5	34.8	12.3	47.1	54.0	-6.9	Peak	Horizontal
*	8769.0	33.5	13.8	47.3	68.2	-20.9	Peak	Horizontal
*	10171.5	33.2	16.5	49.7	68.2	-18.5	Peak	Horizontal
	7494.0	34.4	12.7	47.1	54.0	-6.9	Peak	Vertical
	8310.0	33.1	13.1	46.2	54.0	-7.8	Peak	Vertical
*	9857.0	33.0	15.4	48.4	68.2	-19.8	Peak	Vertical
*	10503.0	31.7	18.0	49.7	68.2	-18.5	Peak	Vertical

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

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

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

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/06/28
Test Mode:	802.11a - Ant 0 + 1	Test Channel:	149
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
	7366.5	34.9	12.3	47.2	54.0	-6.8	Peak	Horizontal
	8429.0	34.7	13.1	47.8	54.0	-6.2	Peak	Horizontal
*	8913.5	34.8	14.2	49.0	68.2	-19.2	Peak	Horizontal
*	9942.0	34.0	15.6	49.6	68.2	-18.6	Peak	Horizontal
	7434.5	36.4	12.5	48.9	54.0	-5.1	Peak	Vertical
	8395.0	35.1	13.1	48.2	54.0	-5.8	Peak	Vertical
*	9874.0	34.0	15.5	49.5	68.2	-18.7	Peak	Vertical
*	10367.0	32.6	17.4	50.0	68.2	-18.2	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/06/28
Test Mode:	802.11a - Ant 0 + 1	Test Channel:	157
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7485.5	35.3	12.7	48.0	54.0	-6.0	Peak	Horizontal
	8242.0	34.6	13.0	47.6	54.0	-6.4	Peak	Horizontal
*	8879.5	34.0	14.1	48.1	68.2	-20.1	Peak	Horizontal
*	10231.0	33.7	16.8	50.5	68.2	-17.7	Peak	Horizontal
	7502.5	37.0	12.7	49.7	54.0	-4.3	Peak	Vertical
	8242.0	34.7	13.0	47.7	54.0	-6.3	Peak	Vertical
*	9678.5	34.3	15.0	49.3	68.2	-18.9	Peak	Vertical
*	10222.5	33.0	16.7	49.7	68.2	-18.5	Peak	Vertical

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

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

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

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/06/28
Test Mode:	802.11a - Ant 0 + 1	Test Channel:	165
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
	7392.0	36.1	12.4	48.5	54.0	-5.5	Peak	Horizontal
	7655.5	33.9	12.8	46.7	54.0	-7.3	Peak	Horizontal
*	8658.5	33.6	13.5	47.1	68.2	-21.1	Peak	Horizontal
*	9857.0	33.8	15.4	49.2	68.2	-19.0	Peak	Horizontal
	7502.5	35.8	12.7	48.5	54.0	-5.5	Peak	Vertical
	8276.0	34.3	13.1	47.4	54.0	-6.6	Peak	Vertical
*	9942.0	34.0	15.6	49.6	68.2	-18.6	Peak	Vertical
*	10452.0	32.0	17.8	49.8	68.2	-18.4	Peak	Vertical

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

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

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

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/06/28
Test Mode:	802.11ac-VHT20 - Ant 0 + 1	Test Channel:	36
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7494.0	35.2	12.7	47.9	54.0	-6.1	Peak	Horizontal
	8165.5	34.7	13.0	47.7	54.0	-6.3	Peak	Horizontal
*	8743.5	34.2	13.8	48.0	68.2	-20.2	Peak	Horizontal
*	9704.0	33.7	15.1	48.8	68.2	-19.4	Peak	Horizontal
	7502.5	34.1	12.7	46.8	54.0	-7.2	Peak	Vertical
	8335.5	34.8	13.1	47.9	54.0	-6.1	Peak	Vertical
*	8701.0	33.8	13.6	47.4	68.2	-20.8	Peak	Vertical
*	9925.0	34.0	15.6	49.6	68.2	-18.6	Peak	Vertical

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

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

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

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/06/28
Test Mode:	802.11ac-VHT20 - Ant 0 + 1	Test Channel:	44
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7502.5	34.7	12.7	47.4	54.0	-6.6	Peak	Horizontal
	8242.0	34.7	13.0	47.7	54.0	-6.3	Peak	Horizontal
*	8667.0	33.3	13.6	46.9	68.2	-21.3	Peak	Horizontal
*	10197.0	32.0	16.6	48.6	68.2	-19.6	Peak	Horizontal
	7502.5	34.5	12.7	47.2	54.0	-6.8	Peak	Vertical
	8131.5	33.4	13.0	46.4	54.0	-7.6	Peak	Vertical
*	8735.0	33.1	13.7	46.8	68.2	-21.4	Peak	Vertical
*	10103.5	31.9	16.2	48.1	68.2	-20.1	Peak	Vertical

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

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

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

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/06/28
Test Mode:	802.11ac-VHT20 - Ant 0 + 1	Test Channel:	48
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7400.5	32.5	12.4	44.9	54.0	-9.1	Peak	Horizontal
	8191.0	32.4	13.0	45.4	54.0	-8.6	Peak	Horizontal
*	10078.0	30.7	16.1	46.8	68.2	-21.4	Peak	Horizontal
*	10443.5	30.5	17.7	48.2	68.2	-20.0	Peak	Horizontal
	7375.0	34.1	12.4	46.5	54.0	-7.5	Peak	Vertical
	8310.0	33.5	13.1	46.6	54.0	-7.4	Peak	Vertical
*	8743.5	32.1	13.8	45.9	68.2	-22.3	Peak	Vertical
*	10069.5	30.8	16.1	46.9	68.2	-21.3	Peak	Vertical

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

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

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

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/06/28
Test Mode:	802.11ac-VHT20 - Ant 0 + 1	Test Channel:	149
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7519.5	33.8	12.7	46.5	54.0	-7.5	Peak	Horizontal
	8429.0	33.7	13.1	46.8	54.0	-7.2	Peak	Horizontal
*	8888.0	33.4	14.1	47.5	68.2	-20.7	Peak	Horizontal
*	10341.5	31.1	17.3	48.4	68.2	-19.8	Peak	Horizontal
	7341.0	34.5	12.3	46.8	54.0	-7.2	Peak	Vertical
	8369.5	34.7	13.1	47.8	54.0	-6.2	Peak	Vertical
*	10503.0	31.6	18.0	49.6	68.2	-18.6	Peak	Vertical
*	13010.5	30.3	19.5	49.8	68.2	-18.4	Peak	Vertical

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

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

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

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/06/28
Test Mode:	802.11ac-VHT20 - Ant 0 + 1	Test Channel:	157
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
	7375.0	34.6	12.4	47.0	54.0	-7.0	Peak	Horizontal
	8276.0	32.2	13.1	45.3	54.0	-8.7	Peak	Horizontal
*	9814.5	33.3	15.3	48.6	68.2	-19.6	Peak	Horizontal
*	13070.0	30.3	19.7	50.0	68.2	-18.2	Peak	Horizontal
	7468.5	34.0	12.6	46.6	54.0	-7.4	Peak	Vertical
	9092.0	32.5	14.4	46.9	54.0	-7.1	Peak	Vertical
*	10120.5	32.9	16.3	49.2	68.2	-19.0	Peak	Vertical
*	13129.5	30.2	19.9	50.1	68.2	-18.1	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/06/28
Test Mode:	802.11ac-VHT20 - Ant 0 + 1	Test Channel:	165
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7485.5	34.3	12.7	47.0	54.0	-7.0	Peak	Horizontal
	8335.5	33.5	13.1	46.6	54.0	-7.4	Peak	Horizontal
*	9780.5	32.5	15.3	47.8	68.2	-20.4	Peak	Horizontal
*	13240.0	31.8	20.2	52.0	68.2	-16.2	Peak	Horizontal
	7655.5	33.4	12.8	46.2	54.0	-7.8	Peak	Vertical
	8216.5	34.2	13.0	47.2	54.0	-6.8	Peak	Vertical
*	9942.0	32.2	15.6	47.8	68.2	-20.4	Peak	Vertical
*	13240.0	31.6	20.2	51.8	68.2	-16.4	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/06/28
Test Mode:	802.11ac-VHT40 - Ant 0 + 1	Test Channel:	38
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
	7621.5	33.6	12.8	46.4	54.0	-7.6	Peak	Horizontal
	8199.5	33.2	13.0	46.2	54.0	-7.8	Peak	Horizontal
*	9882.5	32.7	15.5	48.2	68.2	-20.0	Peak	Horizontal
*	12968.0	31.3	19.4	50.7	68.2	-17.5	Peak	Horizontal
	7443.0	34.8	12.6	47.4	54.0	-6.6	Peak	Vertical
	8301.5	33.9	13.1	47.0	54.0	-7.0	Peak	Vertical
*	10146.0	34.1	16.4	50.5	68.2	-17.7	Peak	Vertical
*	13070.0	31.6	19.7	51.3	68.2	-16.9	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/06/28
Test Mode:	802.11ac-VHT40 - Ant 0 + 1	Test Channel:	46
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7638.5	34.1	12.8	46.9	54.0	-7.1	Peak	Horizontal
	8242.0	33.1	13.0	46.1	54.0	-7.9	Peak	Horizontal
*	9976.0	33.0	15.7	48.7	68.2	-19.5	Peak	Horizontal
*	10443.5	31.1	17.7	48.8	68.2	-19.4	Peak	Horizontal
	7579.0	33.5	12.8	46.3	54.0	-7.7	Peak	Vertical
	8318.5	34.5	13.1	47.6	54.0	-6.4	Peak	Vertical
*	9687.0	34.7	15.0	49.7	68.2	-18.5	Peak	Vertical
*	13308.0	31.4	20.5	51.9	68.2	-16.3	Peak	Vertical

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

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

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

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/06/28
Test Mode:	802.11ac-VHT40 - Ant 0 + 1	Test Channel:	151
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7502.5	33.7	12.7	46.4	54.0	-7.6	Peak	Horizontal
	8344.0	34.0	13.1	47.1	54.0	-6.9	Peak	Horizontal
*	8811.5	33.5	13.9	47.4	68.2	-20.8	Peak	Horizontal
*	9857.0	32.7	15.4	48.1	68.2	-20.1	Peak	Horizontal
	7400.5	34.7	12.4	47.1	54.0	-6.9	Peak	Vertical
	8395.0	34.6	13.1	47.7	54.0	-6.3	Peak	Vertical
*	9882.5	35.0	15.5	50.5	68.2	-17.7	Peak	Vertical
*	10265.0	31.8	16.9	48.7	68.2	-19.5	Peak	Vertical

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

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

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

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/06/28
Test Mode:	802.11ac-VHT40 - Ant 0 + 1	Test Channel:	159
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7451.5	34.2	12.6	46.8	54.0	-7.2	Peak	Horizontal
	8301.5	34.1	13.1	47.2	54.0	-6.8	Peak	Horizontal
*	9899.5	33.6	15.5	49.1	68.2	-19.1	Peak	Horizontal
*	13070.0	31.0	19.7	50.7	68.2	-17.5	Peak	Horizontal
	7392.0	35.2	12.4	47.6	54.0	-6.4	Peak	Vertical
	8208.0	33.6	13.0	46.6	54.0	-7.4	Peak	Vertical
*	9738.0	32.7	15.2	47.9	68.2	-20.3	Peak	Vertical
*	12942.5	32.4	19.4	51.8	68.2	-16.4	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/06/28
Test Mode:	802.11ac-VHT80 - Ant 0 + 1	Test Channel:	42
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7443.0	34.2	12.6	46.8	54.0	-7.2	Peak	Horizontal
	8191.0	35.1	13.0	48.1	54.0	-5.9	Peak	Horizontal
*	10299.0	33.0	17.1	50.1	68.2	-18.1	Peak	Horizontal
*	12891.5	31.6	19.2	50.8	68.2	-17.4	Peak	Horizontal
	7383.5	35.4	12.4	47.8	54.0	-6.2	Peak	Vertical
	8165.5	33.9	13.0	46.9	54.0	-7.1	Peak	Vertical
*	9772.0	33.0	15.2	48.2	68.2	-20.0	Peak	Vertical
*	12951.0	30.2	19.4	49.6	68.2	-18.6	Peak	Vertical

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

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

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

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/06/28
Test Mode:	802.11ac-VHT80 - Ant 0 + 1	Test Channel:	155
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7570.5	32.9	12.7	45.6	54.0	-8.4	Peak	Horizontal
	8352.5	32.3	13.1	45.4	54.0	-8.6	Peak	Horizontal
*	9874.0	34.0	15.5	49.5	68.2	-18.7	Peak	Horizontal
*	10307.5	33.3	17.1	50.4	68.2	-17.8	Peak	Horizontal
	7349.5	34.7	12.3	47.0	54.0	-7.0	Peak	Vertical
	8165.5	34.9	13.0	47.9	54.0	-6.1	Peak	Vertical
*	9814.5	33.4	15.3	48.7	68.2	-19.5	Peak	Vertical
*	10358.5	33.7	17.3	51.0	68.2	-17.2	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/06/28
Test Mode:	802.11ax-HE20 - Ant 0 + 1	Test Channel:	36
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
	7349.5	34.7	12.3	47.0	54.0	-7.0	Peak	Horizontal
	8310.0	35.7	13.1	48.8	54.0	-5.2	Peak	Horizontal
*	9772.0	33.0	15.2	48.2	68.2	-20.0	Peak	Horizontal
*	10426.5	32.1	17.6	49.7	68.2	-18.5	Peak	Horizontal
	7443.0	34.6	12.6	47.2	54.0	-6.8	Peak	Vertical
	8318.5	34.1	13.1	47.2	54.0	-6.8	Peak	Vertical
*	9865.5	34.8	15.5	50.3	68.2	-17.9	Peak	Vertical
*	10350.0	32.6	17.3	49.9	68.2	-18.3	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/06/28
Test Mode:	802.11ax-HE20 - Ant 0 + 1	Test Channel:	44
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7494.0	34.9	12.7	47.6	54.0	-6.4	Peak	Horizontal
	8276.0	33.5	13.1	46.6	54.0	-7.4	Peak	Horizontal
*	9814.5	33.1	15.3	48.4	68.2	-19.8	Peak	Horizontal
*	10409.5	33.1	17.6	50.7	68.2	-17.5	Peak	Horizontal
	7443.0	35.2	12.6	47.8	54.0	-6.2	Peak	Vertical
	8259.0	35.0	13.0	48.0	54.0	-6.0	Peak	Vertical
*	9585.0	35.0	14.8	49.8	68.2	-18.4	Peak	Vertical
*	10163.0	34.0	16.5	50.5	68.2	-17.7	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/06/28
Test Mode:	802.11ax-HE20 - Ant 0 + 1	Test Channel:	48
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
	7341.0	34.8	12.3	47.1	54.0	-6.9	Peak	Horizontal
	8199.5	35.3	13.0	48.3	54.0	-5.7	Peak	Horizontal
*	9704.0	35.5	15.1	50.6	68.2	-17.6	Peak	Horizontal
*	10282.0	33.1	17.0	50.1	68.2	-18.1	Peak	Horizontal
	12220.0	33.3	18.6	51.9	54.0	-2.1	Peak	Vertical
	15713.5	32.4	21.2	53.6	54.0	-0.4	Peak	Vertical
*	8777.5	33.6	13.8	47.4	68.2	-20.8	Peak	Vertical
*	10078.0	32.0	16.1	48.1	68.2	-20.1	Peak	Vertical

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

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

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

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/06/28
Test Mode:	802.11ax-HE20 - Ant 0 + 1	Test Channel:	149
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
	7732.0	35.6	12.8	48.4	54.0	-5.6	Peak	Horizontal
	8497.0	34.6	13.2	47.8	54.0	-6.2	Peak	Horizontal
*	9704.0	32.9	15.1	48.0	68.2	-20.2	Peak	Horizontal
*	10401.0	32.6	17.5	50.1	68.2	-18.1	Peak	Horizontal
	7451.5	34.6	12.6	47.2	54.0	-6.8	Peak	Vertical
	8242.0	33.6	13.0	46.6	54.0	-7.4	Peak	Vertical
*	9721.0	32.8	15.1	47.9	68.2	-20.3	Peak	Vertical
*	10273.5	32.1	17.0	49.1	68.2	-19.1	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/06/28
Test Mode:	802.11ax-HE20 - Ant 0 + 1	Test Channel:	157
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7638.5	33.7	12.8	46.5	54.0	-7.5	Peak	Horizontal
	8412.0	34.3	13.1	47.4	54.0	-6.6	Peak	Horizontal
*	9729.5	34.4	15.1	49.5	68.2	-18.7	Peak	Horizontal
*	10256.5	32.9	16.9	49.8	68.2	-18.4	Peak	Horizontal
	7443.0	33.8	12.6	46.4	54.0	-7.6	Peak	Vertical
	8284.5	34.4	13.1	47.5	54.0	-6.5	Peak	Vertical
*	9984.5	33.9	15.7	49.6	68.2	-18.6	Peak	Vertical
*	10350.0	31.7	17.3	49.0	68.2	-19.2	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/06/28
Test Mode:	802.11ax-HE20 - Ant 0 + 1	Test Channel:	165
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
	7366.5	33.8	12.3	46.1	54.0	-7.9	Peak	Horizontal
	8284.5	34.8	13.1	47.9	54.0	-6.1	Peak	Horizontal
*	9831.5	33.5	15.4	48.9	68.2	-19.3	Peak	Horizontal
*	10350.0	31.7	17.3	49.0	68.2	-19.2	Peak	Horizontal
	7698.0	34.3	12.8	47.1	54.0	-6.9	Peak	Vertical
	8497.0	35.0	13.2	48.2	54.0	-5.8	Peak	Vertical
*	9814.5	33.9	15.3	49.2	68.2	-19.0	Peak	Vertical
*	10256.5	32.3	16.9	49.2	68.2	-19.0	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/06/28
Test Mode:	802.11ax-HE40 - Ant 0 + 1	Test Channel:	38
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7502.5	34.3	12.7	47.0	54.0	-7.0	Peak	Horizontal
	8182.5	35.5	13.0	48.5	54.0	-5.5	Peak	Horizontal
*	9610.5	32.4	14.9	47.3	68.2	-20.9	Peak	Horizontal
*	10120.5	32.2	16.3	48.5	68.2	-19.7	Peak	Horizontal
	7332.5	32.9	12.2	45.1	54.0	-8.9	Peak	Vertical
	8352.5	34.2	13.1	47.3	54.0	-6.7	Peak	Vertical
*	9908.0	35.3	15.6	50.9	68.2	-17.3	Peak	Vertical
*	10214.0	32.8	16.7	49.5	68.2	-18.7	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/06/28
Test Mode:	802.11ax-HE40 - Ant 0 + 1	Test Channel:	46
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7426.0	34.8	12.5	47.3	54.0	-6.7	Peak	Horizontal
	8327.0	33.5	13.1	46.6	54.0	-7.4	Peak	Horizontal
*	9755.0	34.7	15.2	49.9	68.2	-18.3	Peak	Horizontal
*	10129.0	33.9	16.3	50.2	68.2	-18.0	Peak	Horizontal
	7426.0	34.3	12.5	46.8	54.0	-7.2	Peak	Vertical
	8378.0	33.8	13.1	46.9	54.0	-7.1	Peak	Vertical
*	9721.0	32.4	15.1	47.5	68.2	-20.7	Peak	Vertical
*	10443.5	31.5	17.7	49.2	68.2	-19.0	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/06/28
Test Mode:	802.11ax-HE40 - Ant 0 + 1	Test Channel:	151
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7502.5	34.0	12.7	46.7	54.0	-7.3	Peak	Horizontal
	8361.0	33.9	13.1	47.0	54.0	-7.0	Peak	Horizontal
*	9899.5	34.4	15.5	49.9	68.2	-18.3	Peak	Horizontal
*	10307.5	32.3	17.1	49.4	68.2	-18.8	Peak	Horizontal
	7587.5	34.5	12.8	47.3	54.0	-6.7	Peak	Vertical
	8344.0	34.3	13.1	47.4	54.0	-6.6	Peak	Vertical
*	9831.5	34.2	15.4	49.6	68.2	-18.6	Peak	Vertical
*	10341.5	33.7	17.3	51.0	68.2	-17.2	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/06/28
Test Mode:	802.11ax-HE40 - Ant 0 + 1	Test Channel:	159
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 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
	7587.5	34.2	12.8	47.0	54.0	-7.0	Peak	Horizontal
	8233.5	34.2	13.0	47.2	54.0	-6.8	Peak	Horizontal
*	10350.0	33.1	17.3	50.4	68.2	-17.8	Peak	Horizontal
*	13010.5	31.9	19.5	51.4	68.2	-16.8	Peak	Horizontal
	7630.0	34.3	12.8	47.1	54.0	-6.9	Peak	Vertical
	8140.0	35.7	13.0	48.7	54.0	-5.3	Peak	Vertical
*	9984.5	34.8	15.7	50.5	68.2	-17.7	Peak	Vertical
*	10341.5	32.5	17.3	49.8	68.2	-18.4	Peak	Vertical

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

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

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

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/06/28
Test Mode:	802.11ax-HE80 - Ant 0 + 1	Test Channel:	42
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7451.5	34.7	12.6	47.3	54.0	-6.7	Peak	Horizontal
	8267.5	35.2	13.1	48.3	54.0	-5.7	Peak	Horizontal
*	8777.5	33.8	13.8	47.6	68.2	-20.6	Peak	Horizontal
*	9831.5	34.8	15.4	50.2	68.2	-18.0	Peak	Horizontal
	7494.0	34.7	12.7	47.4	54.0	-6.6	Peak	Vertical
	8174.0	34.2	13.0	47.2	54.0	-6.8	Peak	Vertical
*	8803.0	33.8	13.9	47.7	68.2	-20.5	Peak	Vertical
*	10001.5	34.1	15.8	49.9	68.2	-18.3	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	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2019/06/28
Test Mode:	802.11ax-HE80 - Ant 0 + 1	Test Channel:	155
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7451.5	34.7	12.6	47.3	54.0	-6.7	Peak	Horizontal
	8276.0	34.3	13.1	47.4	54.0	-6.6	Peak	Horizontal
*	9729.5	34.2	15.1	49.3	68.2	-18.9	Peak	Horizontal
*	10231.0	33.7	16.8	50.5	68.2	-17.7	Peak	Horizontal
	7434.5	34.1	12.5	46.6	54.0	-7.4	Peak	Vertical
	8182.5	35.5	13.0	48.5	54.0	-5.5	Peak	Vertical
*	8922.0	34.9	14.2	49.1	68.2	-19.1	Peak	Vertical
*	9976.0	34.5	15.7	50.2	68.2	-18.0	Peak	Vertical

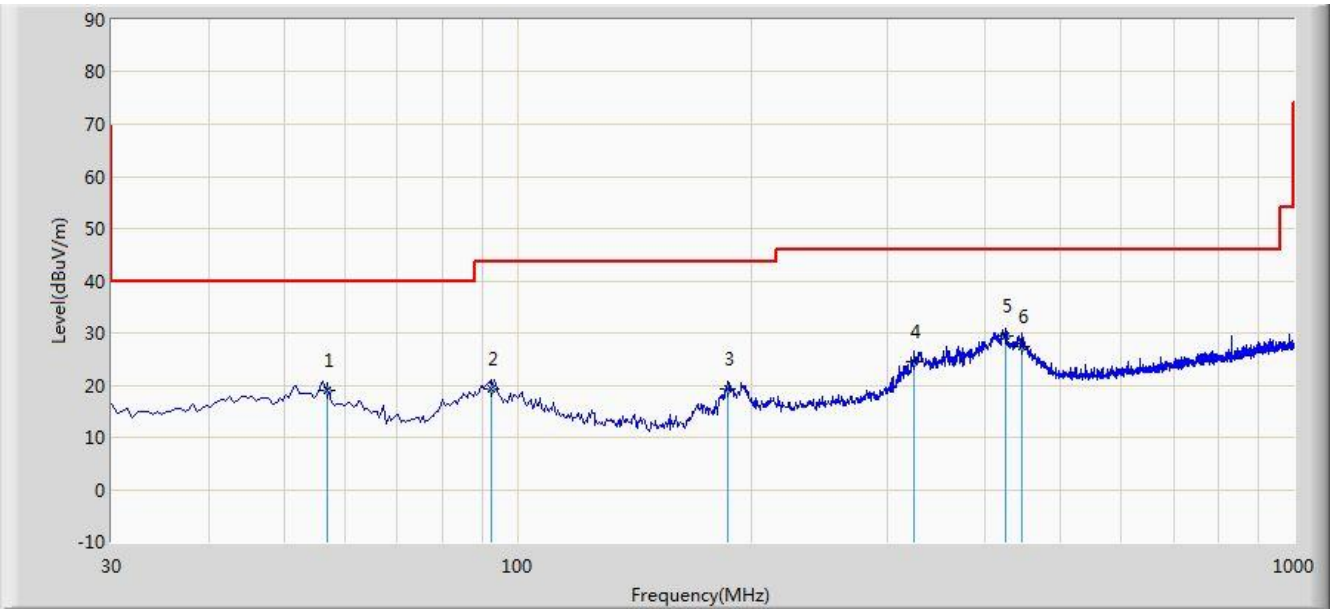
Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

The Worst Case of Radiated Emission below 1GHz:

Site: AC1	Time: 2019/07/13 - 13:32
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: VULB 9168_20-2000MHz	Polarity: Horizontal
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: There is the worst case within frequency range 30MHz~1GHz.	



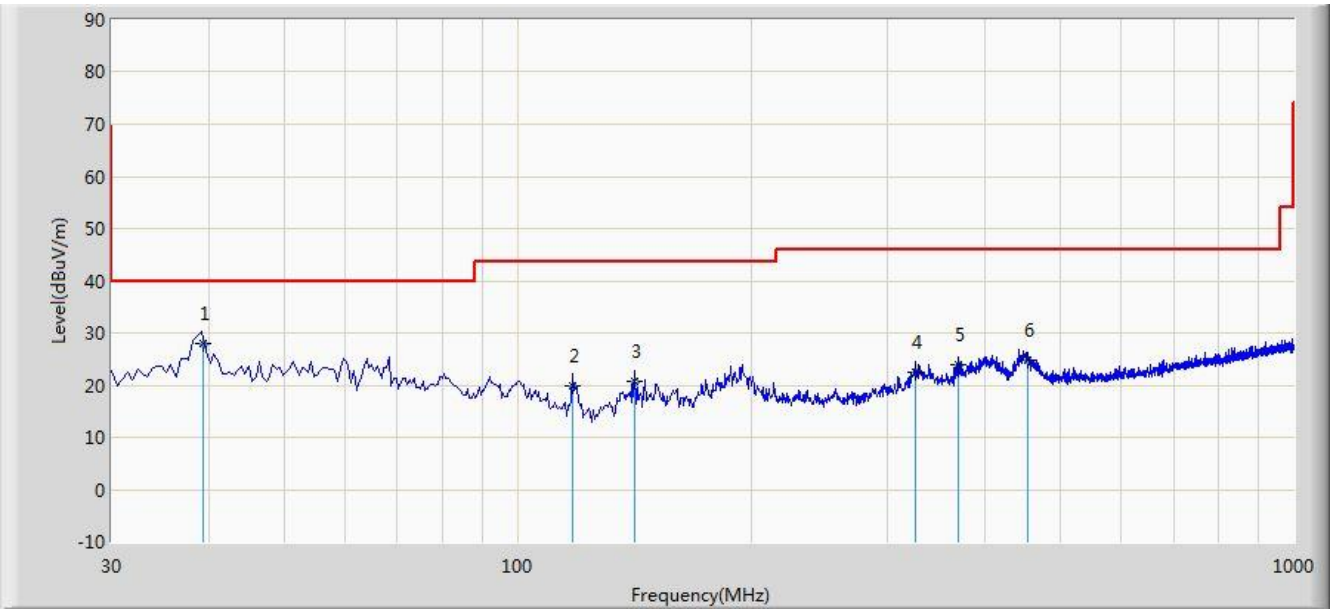
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			56.920	18.863	-1.783	-21.137	40.000	20.646	QP
2			92.598	19.238	1.686	-24.262	43.500	17.551	QP
3			187.000	19.210	1.086	-24.290	43.500	18.124	QP
4			324.650	24.520	2.169	-21.480	46.000	22.352	QP
5		*	424.540	29.560	5.340	-16.440	46.000	24.219	QP
6			446.840	27.517	3.060	-18.483	46.000	24.457	QP

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + 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. Besides, there is a comparison data of both open-field test site and alternative test site semi-Anechoic chamber according to KDB 414788 D01 radiated test site v01r01, this comparison result was very similar.

Site: AC1	Time: 2019/07/13 - 13:36
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: VULB 9168_20-2000MHz	Polarity: Vertical
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: There is the worst case within frequency range 30MHz~1GHz.	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			39.290	27.936	7.437	-12.064	40.000	20.499	QP
2		*	117.958	19.726	1.522	-23.774	43.500	18.205	QP
3			141.365	20.773	5.137	-22.727	43.500	15.636	QP
4			325.950	22.453	0.051	-23.547	46.000	22.402	QP
5			369.850	23.812	0.232	-22.188	46.000	23.581	QP
6			454.850	24.657	0.019	-21.343	46.000	24.639	QP

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + 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. Besides, there is a comparison data of both open-field test site and alternative test site semi-Anechoic chamber according to KDB 414788 D01 radiated test site v01r01, this comparison result was very similar.

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	8.25 - 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 5.725-5.85 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.

1) Sections 15.407(b)(1-3) specifies the unwanted emissions limit for the U-NII-1 and U-NII-2 bands. As specified, emissions above 1000 MHz that are outside of the restricted bands are subject to a peak emission limit of −27 dBm/MHz.

2) Section 15.407(b)(4) specifies the unwanted emissions limit for the U-NII-3 band. A band emissions mask is specified in Section 15.407(b)(4)(i). The emission limits are based on the use of a peak detector.

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

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

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

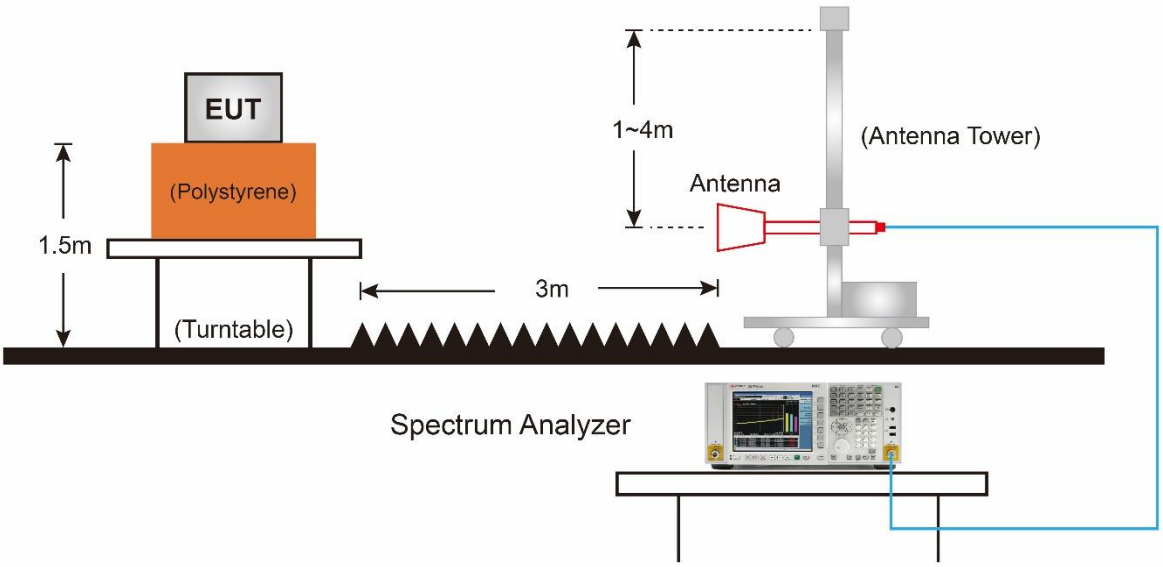
Peak Measurements above 1GHz

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 Field Strength Measurements

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

7.9.4.Test Setup

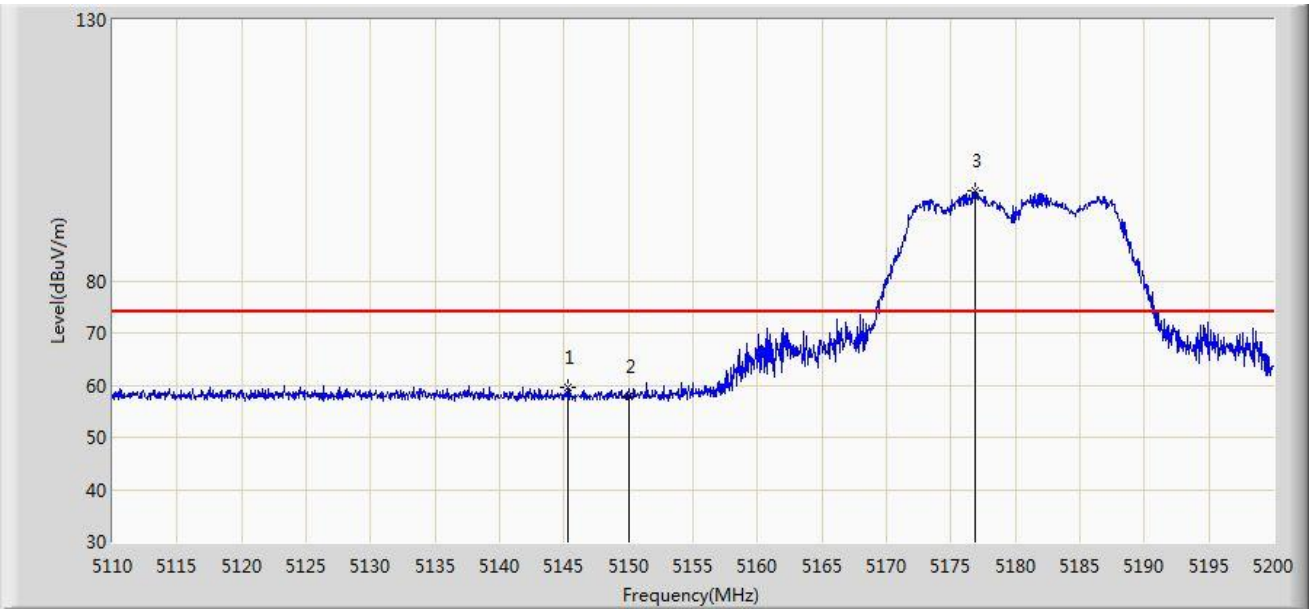


This item was performed with the WIFI antenna connected.

7.9.5.Test Result

For APIN0504 - Omni Antenna (AP-ANT-20W):

Site: AC1	Time: 2019/06/27 - 23:36
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA 9120D_1-18GHz	Polarity: Horizontal
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at channel 5180MHz Ant 0 + 1	

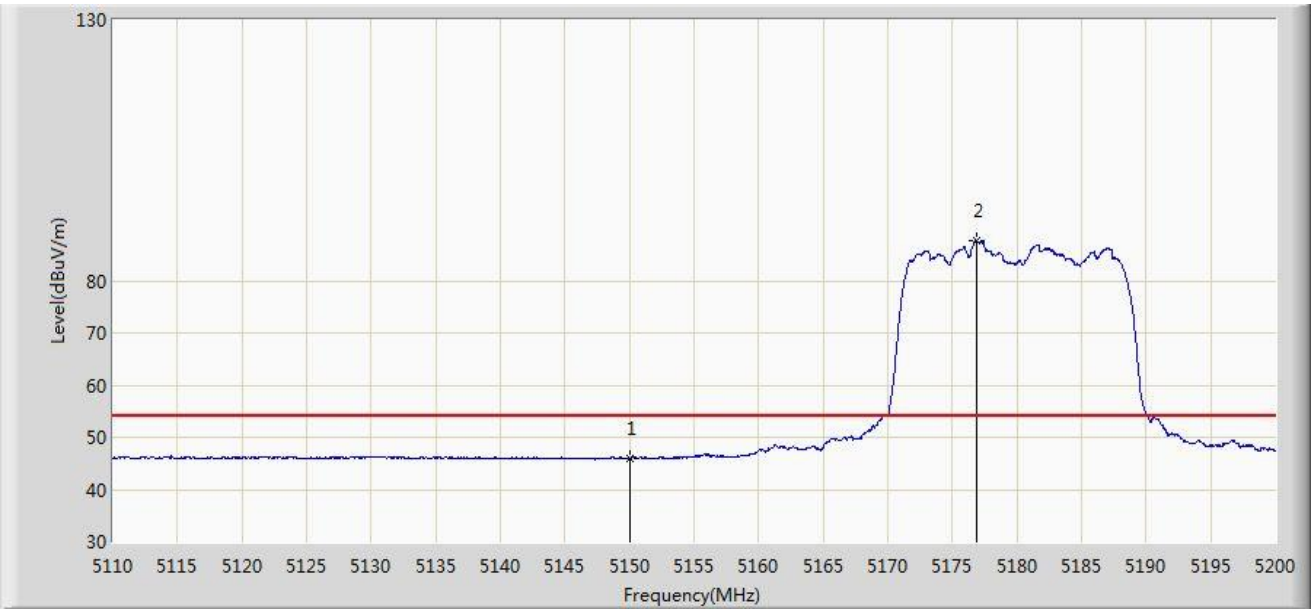


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5145.325	59.485	55.613	-14.515	74.000	3.872	PK
2			5150.000	57.832	53.956	-16.168	74.000	3.876	PK
3		*	5176.825	97.359	93.460	N/A	N/A	3.899	PK

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

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

Site: AC1	Time: 2019/06/27 - 23:37
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA 9120D_1-18GHz	Polarity: Horizontal
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at channel 5180MHz Ant 0 + 1	

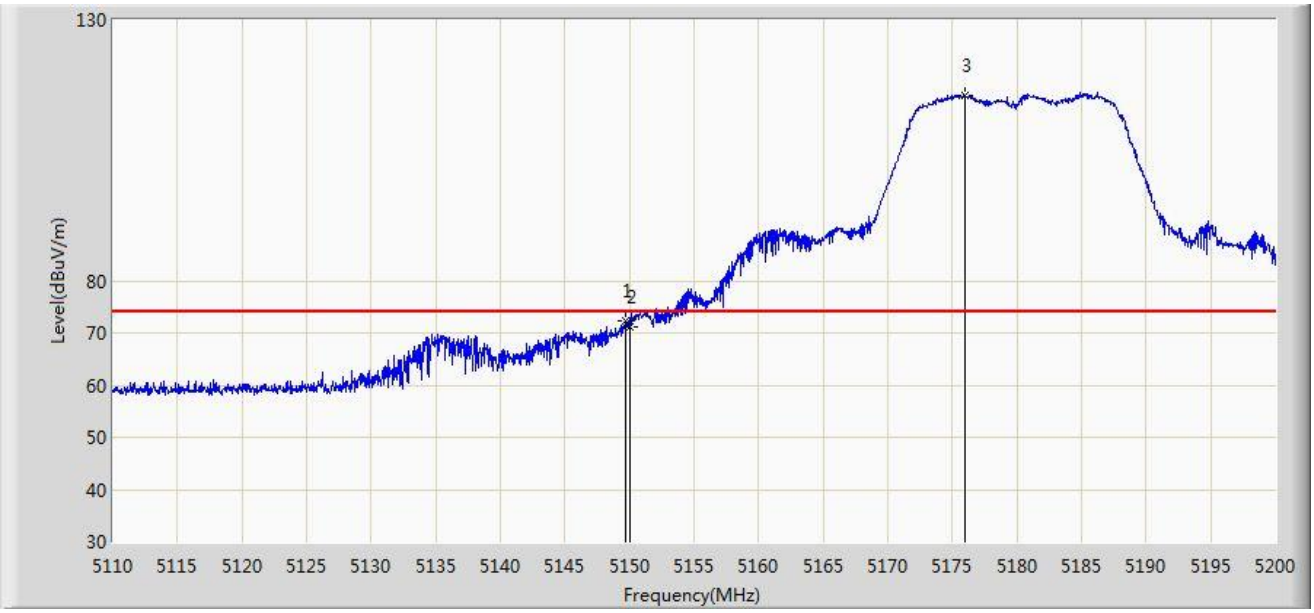


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	45.922	42.046	-8.078	54.000	3.876	AV
2		*	5176.870	87.610	83.711	N/A	N/A	3.899	AV

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

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

Site: AC1	Time: 2019/06/27 - 23:33
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA 9120D_1-18GHz	Polarity: Vertical
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at channel 5180MHz Ant 0 + 1	

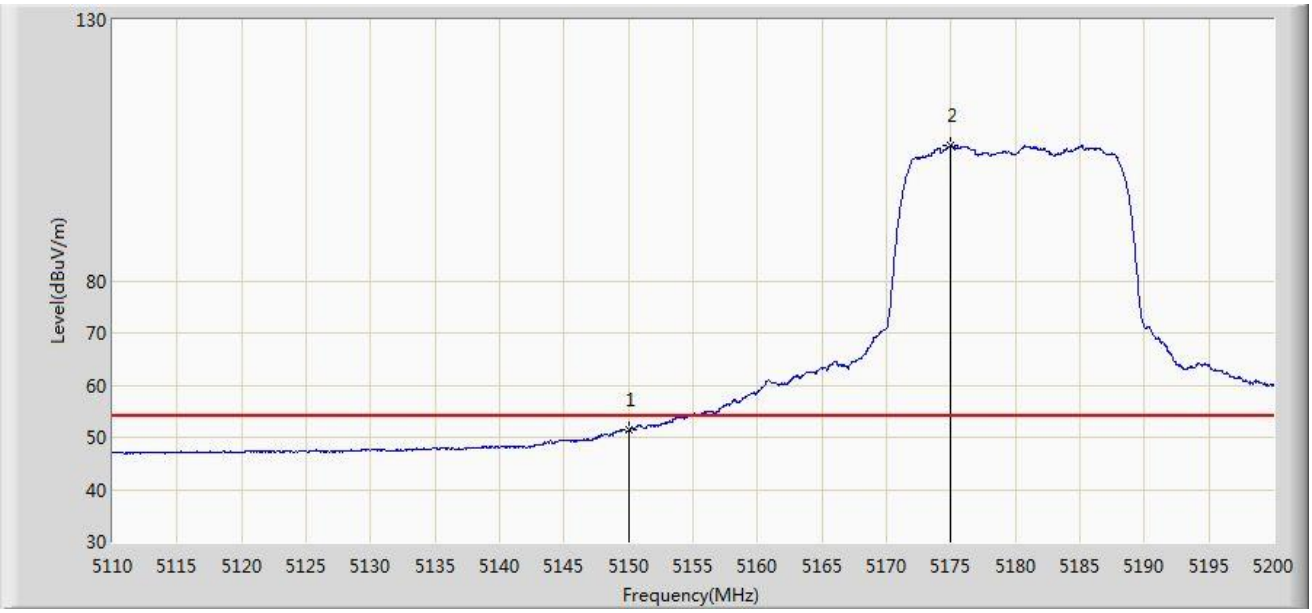


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.645	72.324	68.449	-1.676	74.000	3.875	PK
2			5150.000	71.230	67.354	-2.770	74.000	3.876	PK
3		*	5176.015	115.389	111.491	N/A	N/A	3.898	PK

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

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

Site: AC1	Time: 2019/06/27 - 23:35
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA 9120D_1-18GHz	Polarity: Vertical
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at channel 5180MHz Ant 0 + 1	

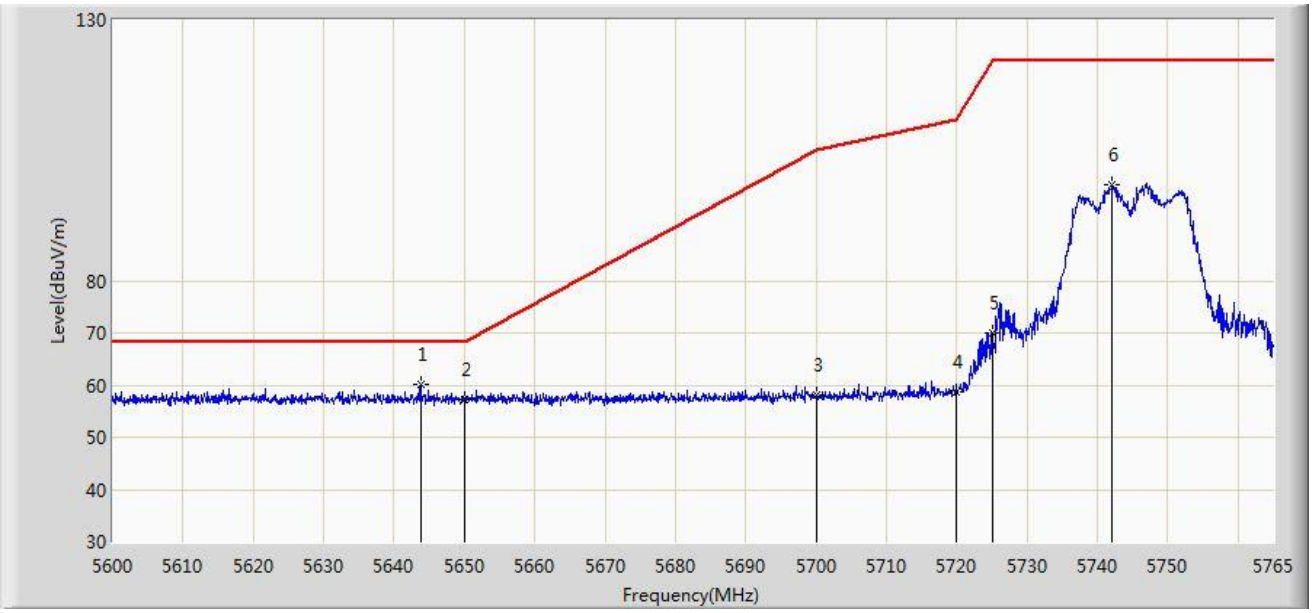


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	51.462	47.586	-2.538	54.000	3.876	AV
2		*	5174.980	106.009	102.112	N/A	N/A	3.897	AV

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

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

Site: AC1	Time: 2019/06/27 - 23:52
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Kevin Ker
Probe: BBHA 9120D_1-18GHz	Polarity: Horizontal
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at channel 5745MHz Ant 0 + 1	

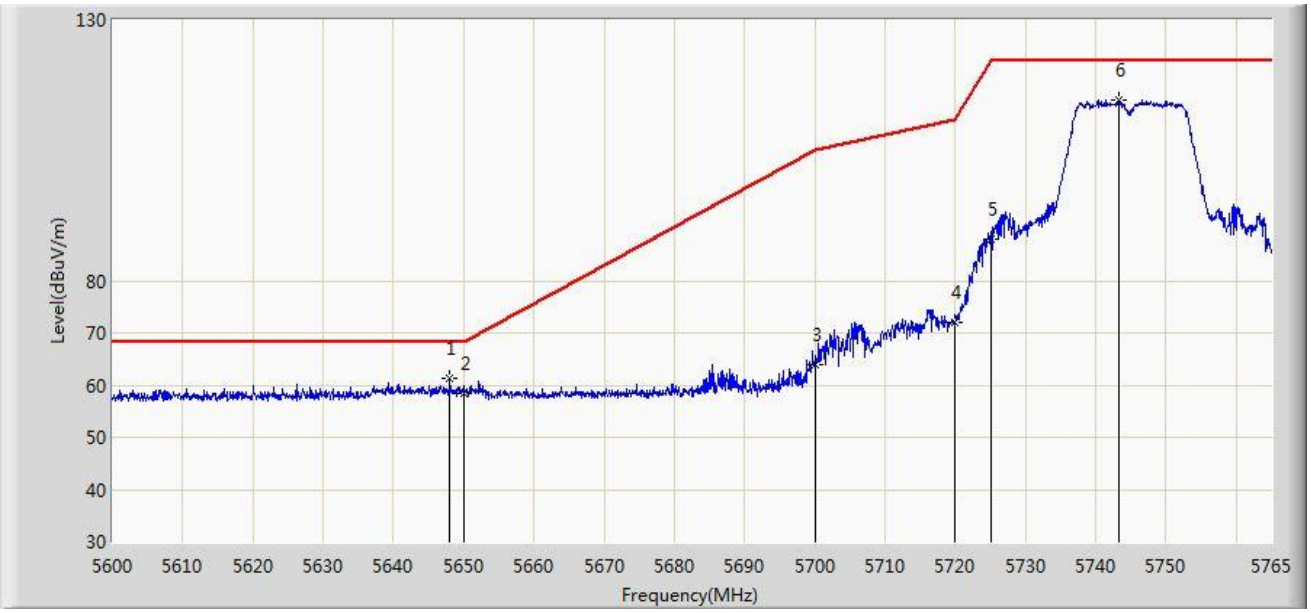


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5643.808	60.180	55.457	-8.020	68.200	4.722	PK
2			5650.000	57.173	52.427	-11.027	68.200	4.746	PK
3			5700.000	58.070	53.132	-47.130	105.200	4.938	PK
4			5720.000	58.735	53.720	-52.065	110.800	5.015	PK
5			5725.000	69.919	64.885	-52.281	122.200	5.034	PK
6			5742.065	98.539	93.440	N/A	N/A	5.099	PK

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

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

Site: AC1	Time: 2019/06/27 - 23:51
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Kevin Ker
Probe: BBHA 9120D_1-18GHz	Polarity: Vertical
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at channel 5745MHz Ant 0 + 1	

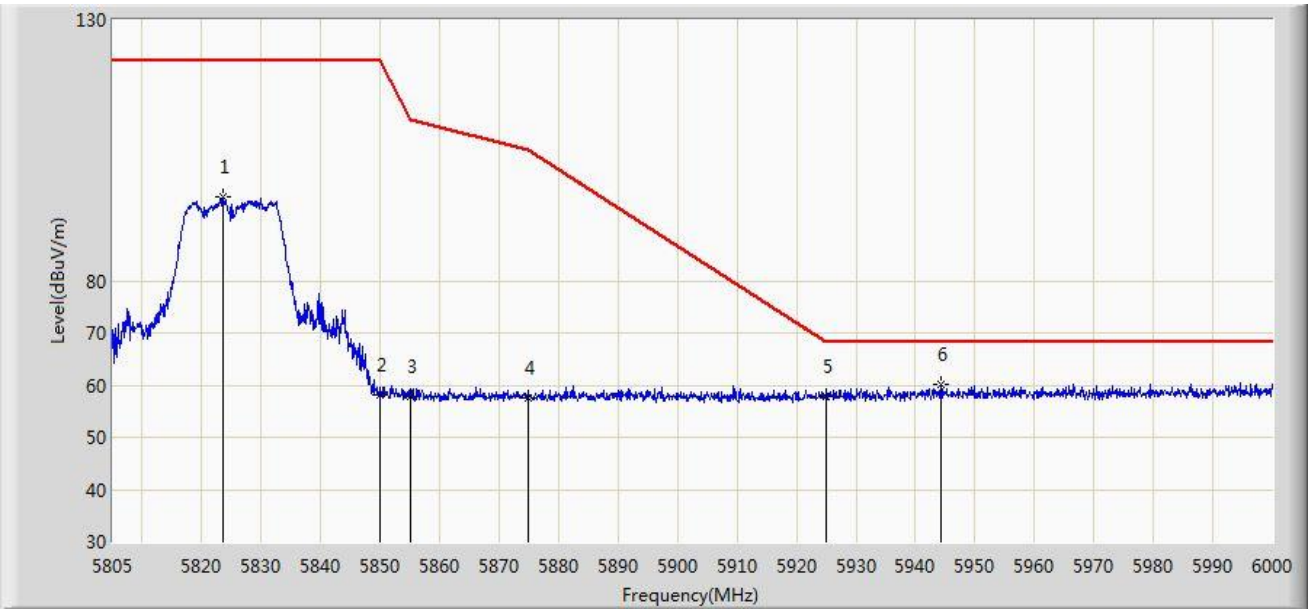


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5648.015	61.344	56.605	-6.856	68.200	4.739	PK
2			5650.000	58.510	53.764	-9.690	68.200	4.746	PK
3			5700.000	63.797	58.859	-41.403	105.200	4.938	PK
4			5720.000	72.129	67.114	-38.671	110.800	5.015	PK
5			5725.000	88.022	82.988	-34.178	122.200	5.034	PK
6			5743.303	114.704	109.600	N/A	N/A	5.104	PK

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

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

Site: AC1	Time: 2019/06/27 - 23:55
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Kevin Ker
Probe: BBHA 9120D_1-18GHz	Polarity: Horizontal
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at channel 5825MHz Ant 0 + 1	

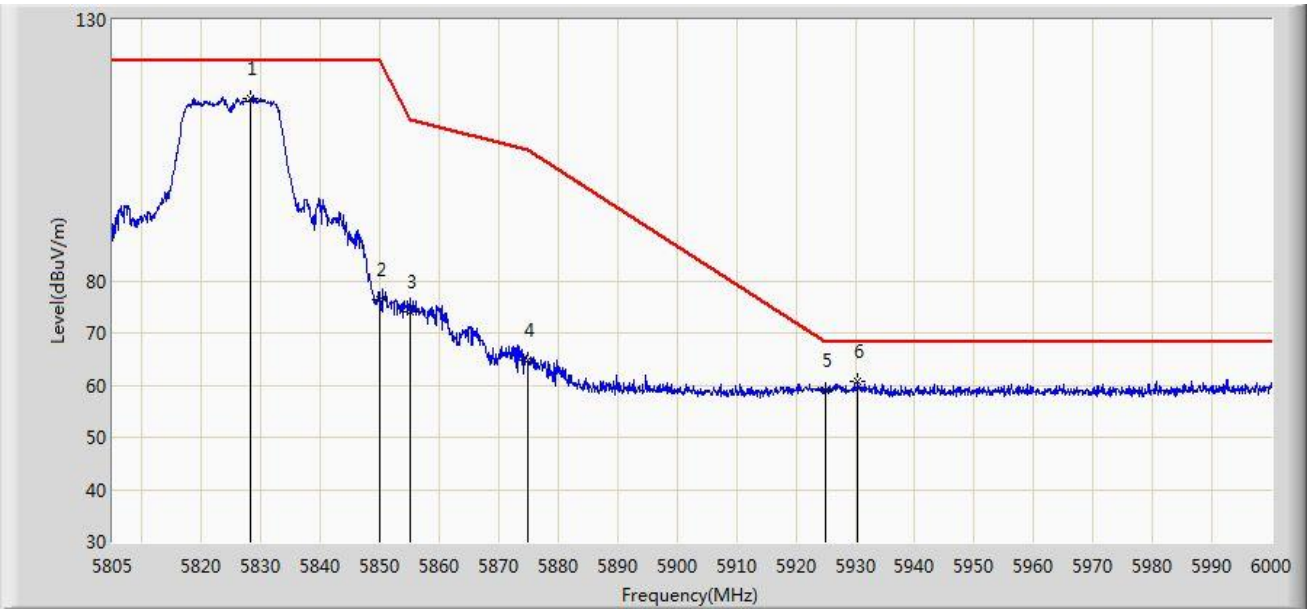


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5823.525	96.064	90.651	N/A	N/A	5.412	PK
2			5850.000	57.997	52.483	-64.203	122.200	5.514	PK
3			5855.000	57.951	52.418	-52.849	110.800	5.533	PK
4			5875.000	57.653	52.043	-47.547	105.200	5.610	PK
5			5925.000	57.779	51.977	-10.421	68.200	5.802	PK
6		*	5944.328	60.138	54.261	-8.062	68.200	5.877	PK

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

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

Site: AC1	Time: 2019/06/27 - 23:53
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Kevin Ker
Probe: BBHA 9120D_1-18GHz	Polarity: Vertical
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at channel 5825MHz Ant 0 + 1	

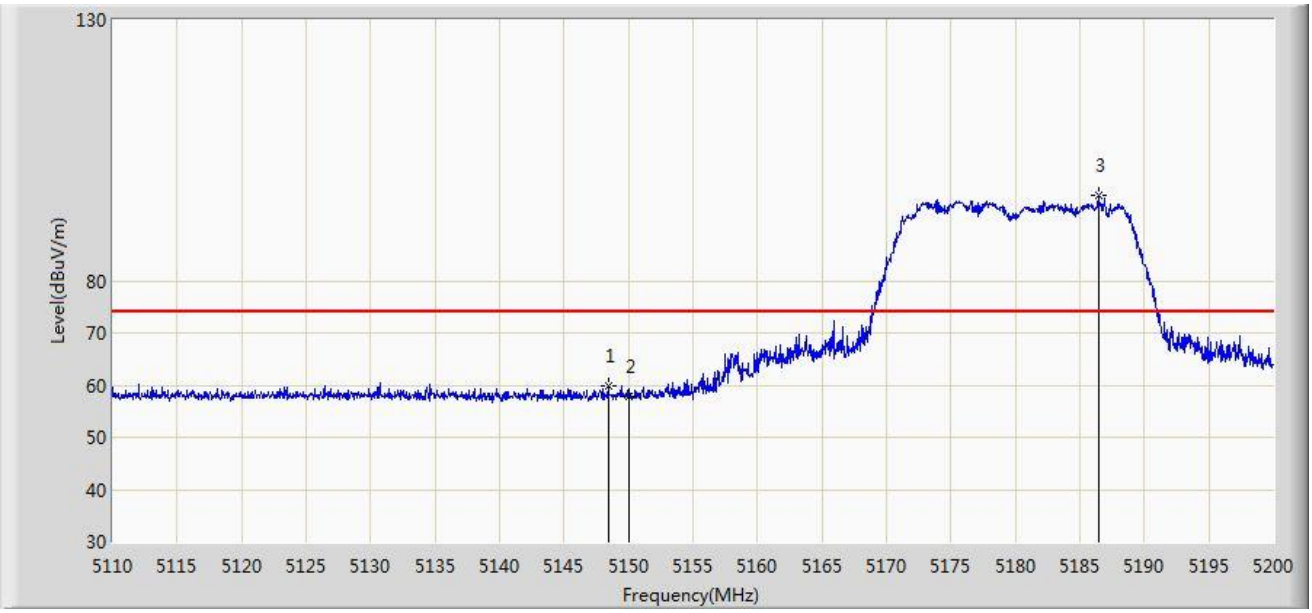


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5828.107	115.050	109.620	N/A	N/A	5.430	PK
2			5850.000	76.366	70.852	-45.834	122.200	5.514	PK
3			5855.000	74.035	68.502	-36.765	110.800	5.533	PK
4			5875.000	64.724	59.114	-40.476	105.200	5.610	PK
5			5925.000	58.935	53.133	-9.265	68.200	5.802	PK
6			5930.385	60.613	54.790	-7.587	68.200	5.822	PK

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

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

Site: AC1	Time: 2019/06/28 - 00:00
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA 9120D_1-18GHz	Polarity: Horizontal
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at channel 5180MHz Ant 0 + 1	

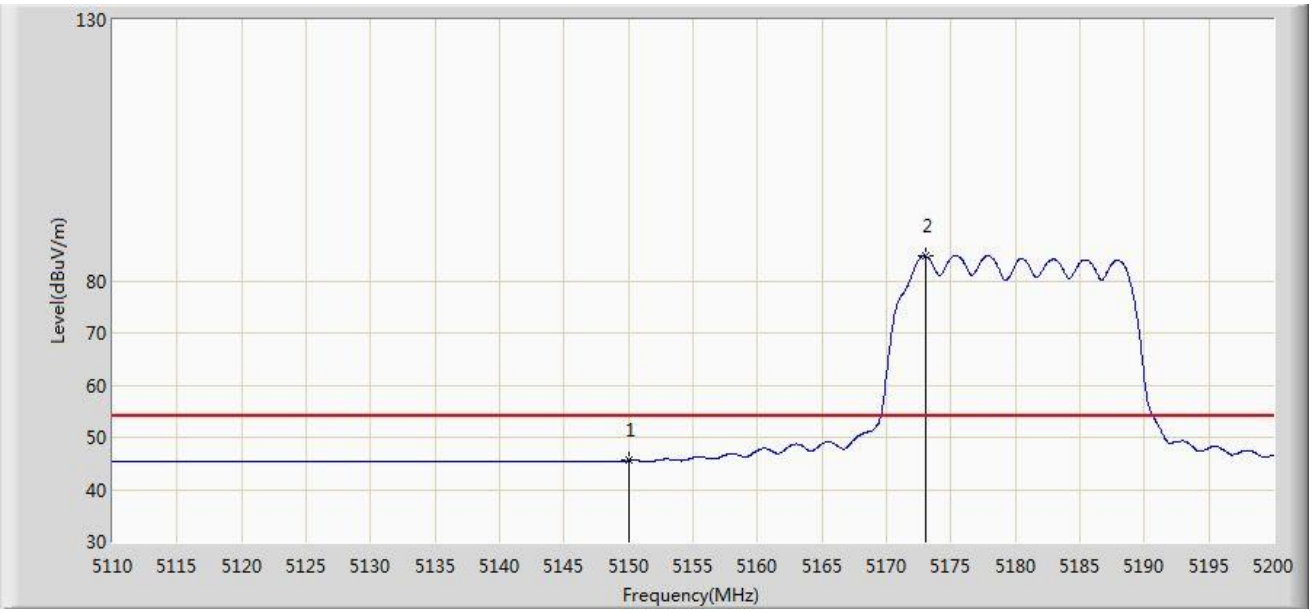


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.430	59.740	55.866	-14.260	74.000	3.874	PK
2			5150.000	57.966	54.090	-16.034	74.000	3.876	PK
3		*	5186.410	96.256	92.349	N/A	N/A	3.907	PK

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

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

Site: AC1	Time: 2019/06/28 - 00:02
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA 9120D_1-18GHz	Polarity: Horizontal
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at channel 5180MHz Ant 0 + 1	

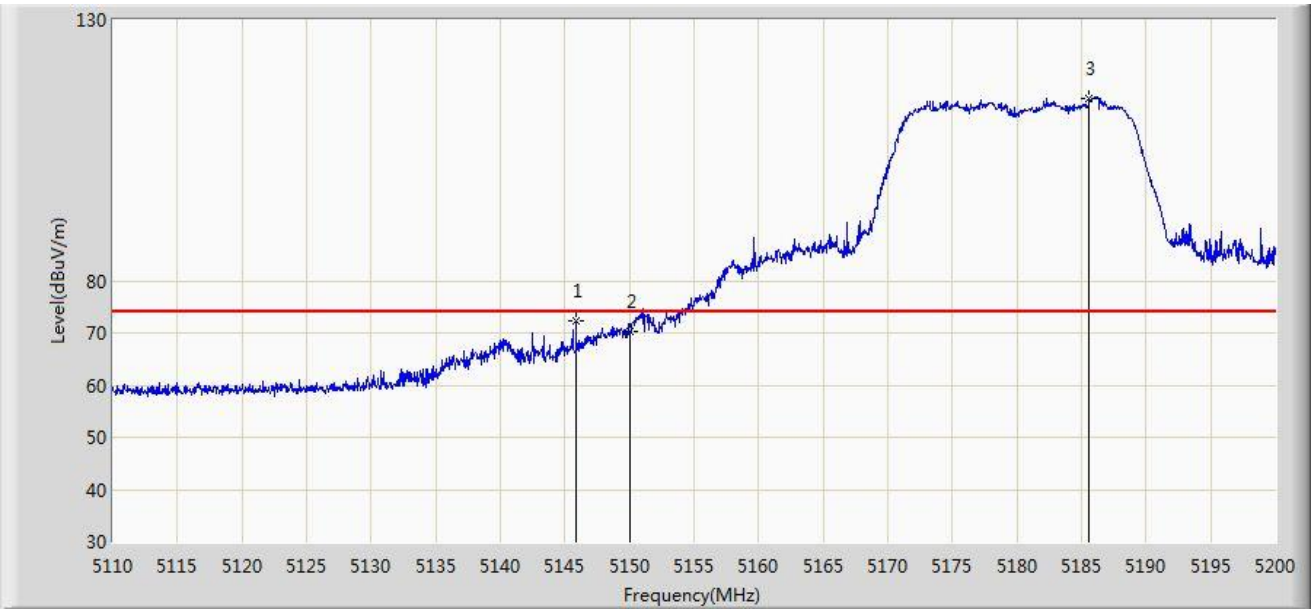


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	45.549	41.673	-8.451	54.000	3.876	AV
2		*	5173.090	84.676	80.781	N/A	N/A	3.895	AV

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

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

Site: AC1	Time: 2019/06/27 - 23:56
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA 9120D_1-18GHz	Polarity: Vertical
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at channel 5180MHz Ant 0 + 1	

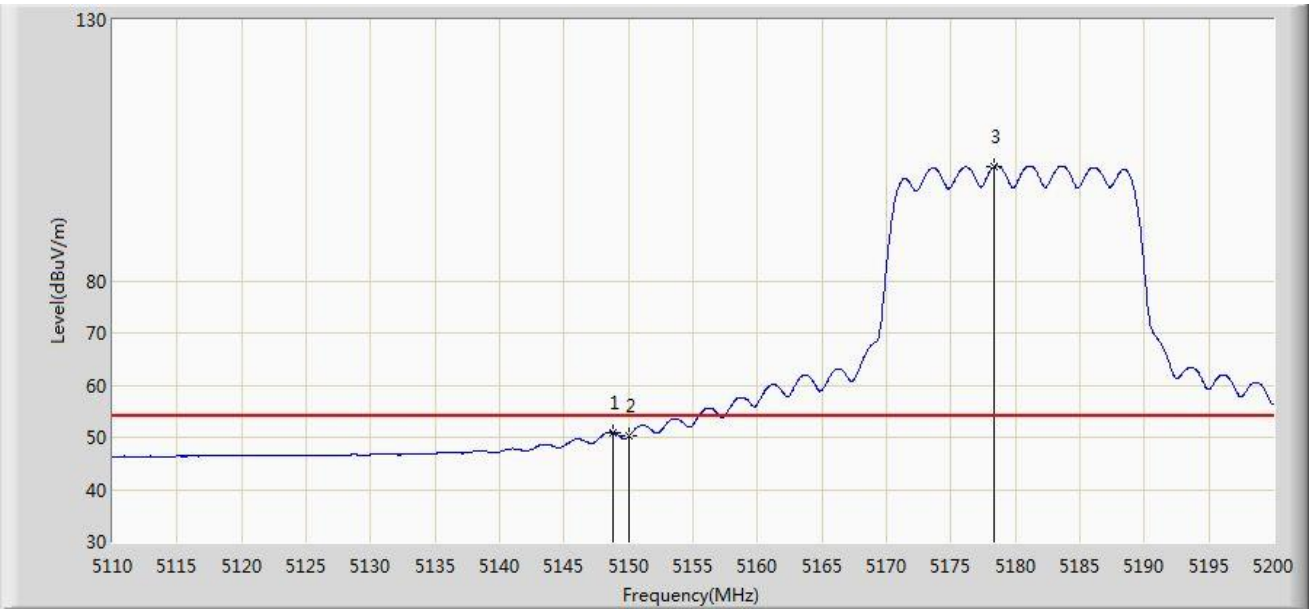


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5145.865	72.285	68.413	-1.715	74.000	3.872	PK
2			5150.000	70.427	66.551	-3.573	74.000	3.876	PK
3		*	5185.600	114.982	111.076	N/A	N/A	3.906	PK

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

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

Site: AC1	Time: 2019/06/27 - 23:59
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA 9120D_1-18GHz	Polarity: Vertical
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at channel 5180MHz Ant 0 + 1	

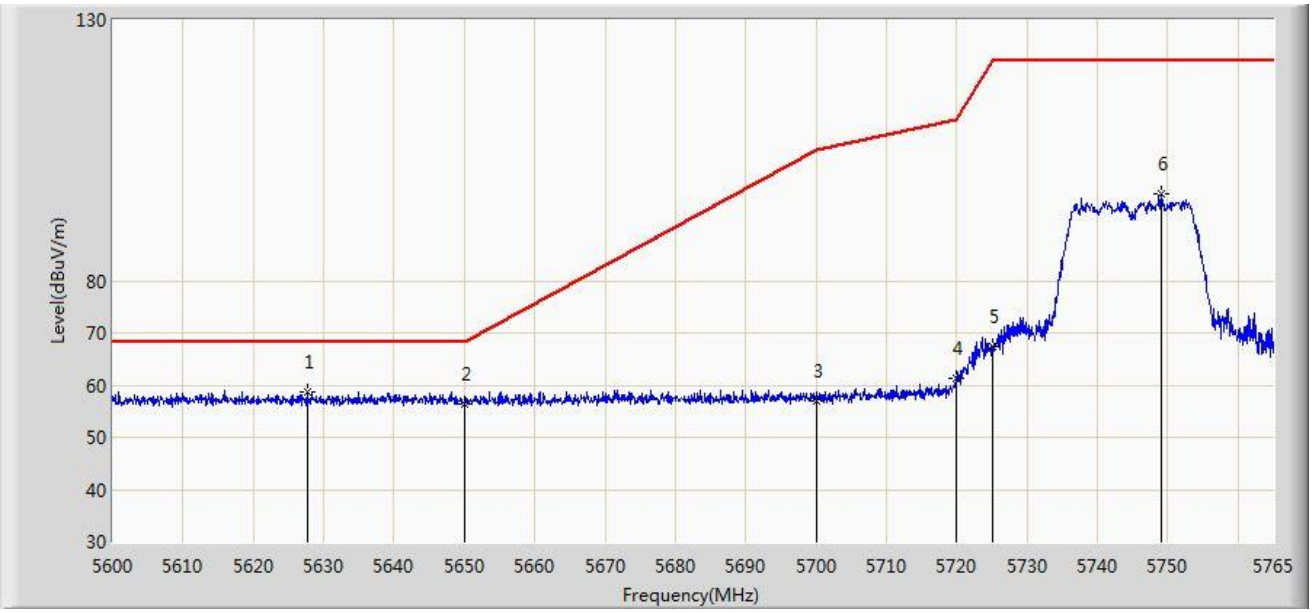


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.745	50.968	47.093	-3.032	54.000	3.875	AV
2			5150.000	50.208	46.332	-3.792	54.000	3.876	AV
3		*	5178.400	101.977	98.077	N/A	N/A	3.900	AV

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

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

Site: AC1	Time: 2019/06/28 - 00:23
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Kevin Ker
Probe: BBHA 9120D_1-18GHz	Polarity: Horizontal
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at channel 5745MHz Ant 0 + 1	

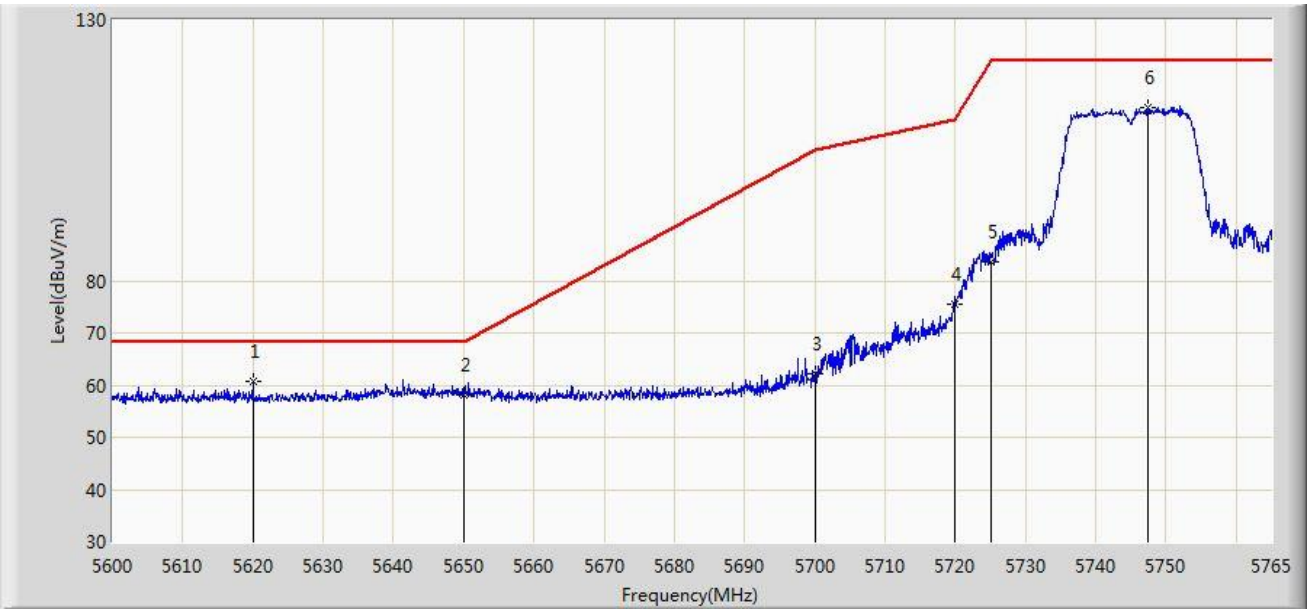


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5627.638	58.731	54.071	-9.469	68.200	4.660	PK
2			5650.000	56.477	51.731	-11.723	68.200	4.746	PK
3			5700.000	57.037	52.099	-48.163	105.200	4.938	PK
4			5720.000	61.355	56.340	-49.445	110.800	5.015	PK
5			5725.000	67.360	62.326	-54.840	122.200	5.034	PK
6			5749.160	96.535	91.409	N/A	N/A	5.126	PK

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

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

Site: AC1	Time: 2019/06/28 - 00:21
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Kevin Ker
Probe: BBHA 9120D_1-18GHz	Polarity: Vertical
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at channel 5745MHz Ant 0 + 1	

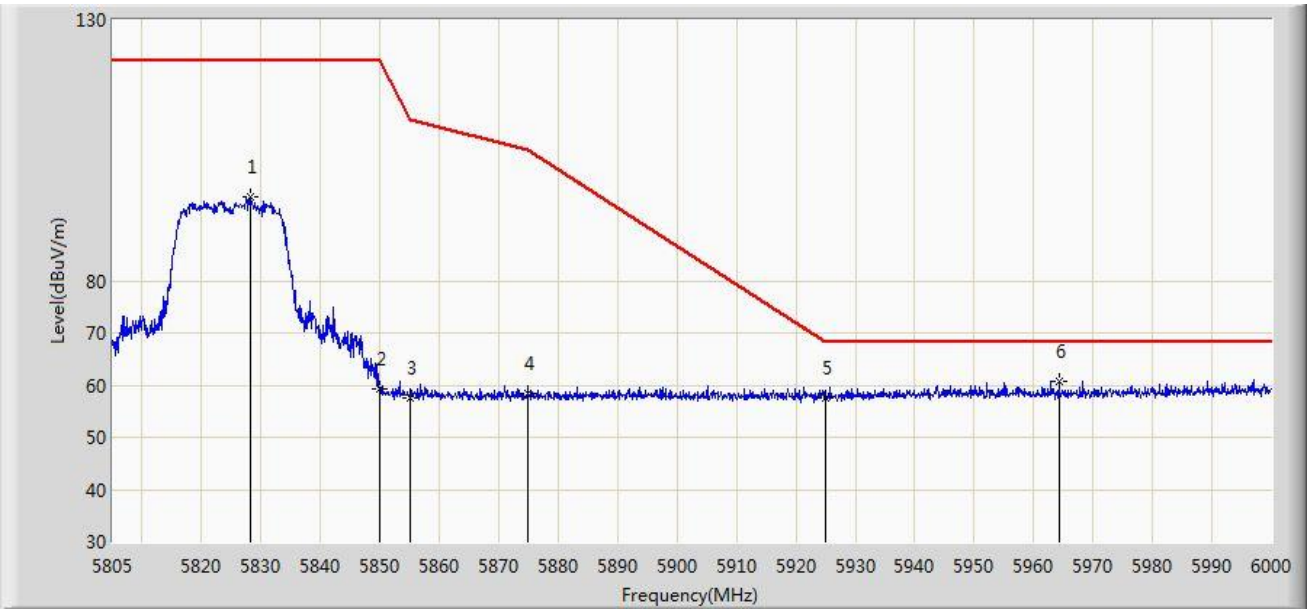


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5620.047	60.649	56.018	-7.551	68.200	4.631	PK
2			5650.000	58.012	53.266	-10.188	68.200	4.746	PK
3			5700.000	62.097	57.159	-43.103	105.200	4.938	PK
4			5720.000	75.455	70.440	-35.345	110.800	5.015	PK
5			5725.000	83.712	78.678	-38.488	122.200	5.034	PK
6			5747.510	113.086	107.966	N/A	N/A	5.120	PK

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

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

Site: AC1	Time: 2019/06/28 - 00:27
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Kevin Ker
Probe: BBHA 9120D_1-18GHz	Polarity: Horizontal
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at channel 5825MHz Ant 0 + 1	

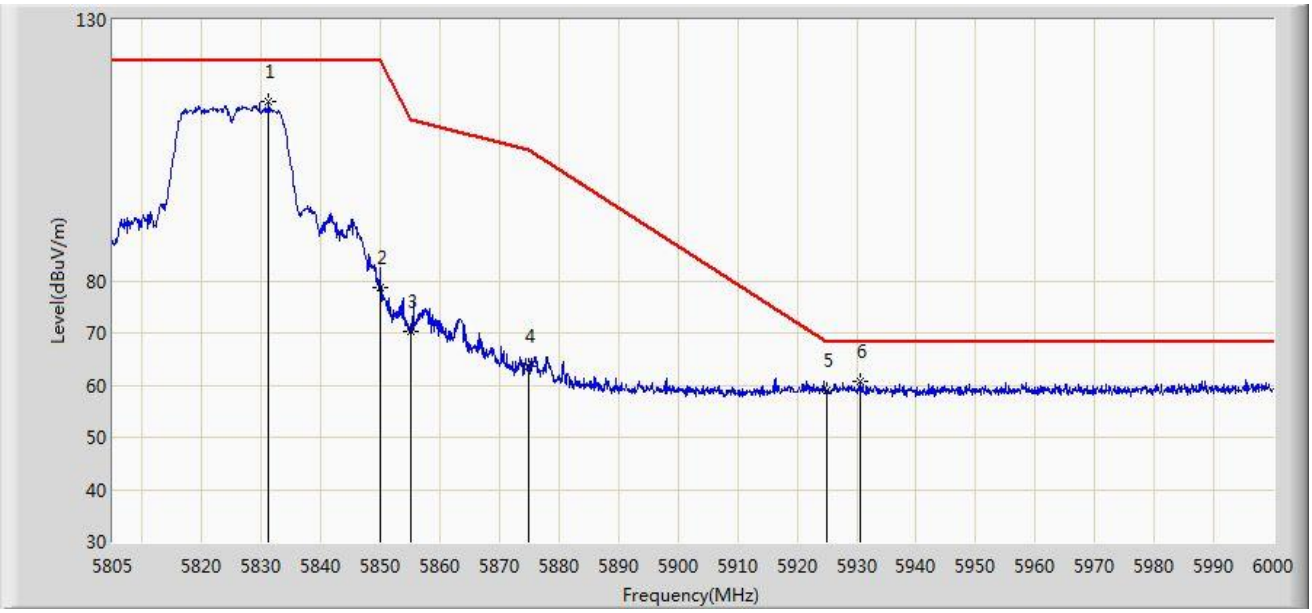


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5828.107	96.133	90.703	N/A	N/A	5.430	PK
2			5850.000	59.324	53.810	-62.876	122.200	5.514	PK
3			5855.000	57.634	52.101	-53.166	110.800	5.533	PK
4			5875.000	58.300	52.690	-46.900	105.200	5.610	PK
5			5925.000	57.524	51.722	-10.676	68.200	5.802	PK
6		*	5964.315	60.702	54.749	-7.498	68.200	5.953	PK

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

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

Site: AC1	Time: 2019/06/28 - 00:24
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Kevin Ker
Probe: BBHA 9120D_1-18GHz	Polarity: Vertical
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at channel 5825MHz Ant 0 + 1	

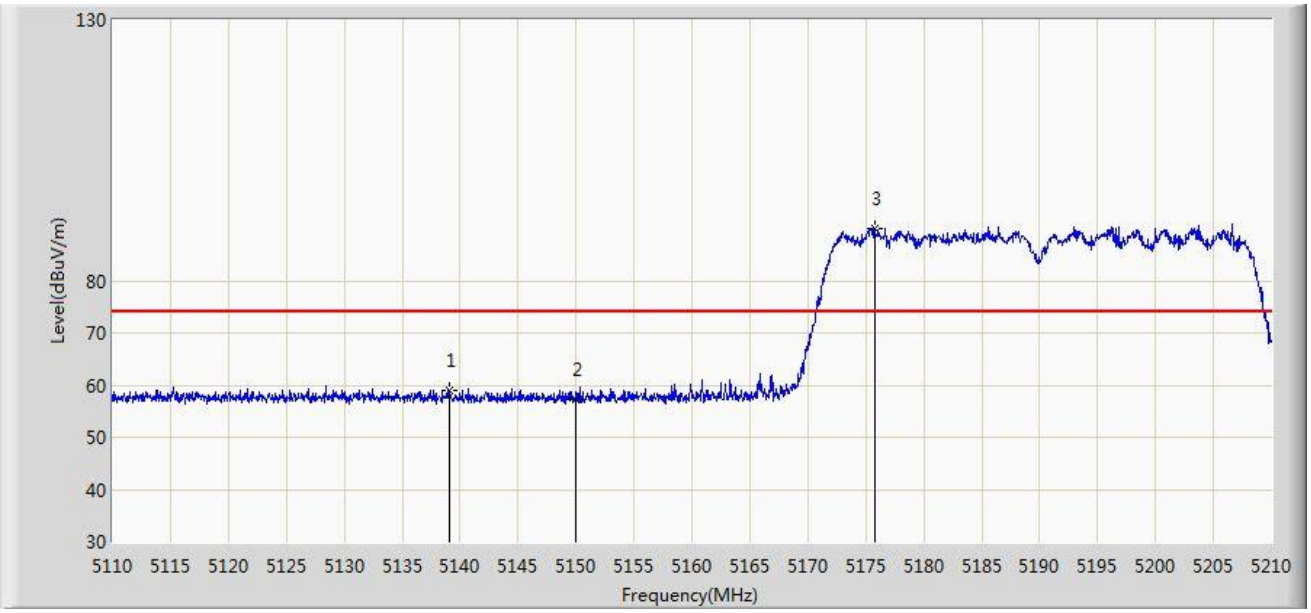


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5831.228	114.226	108.784	N/A	N/A	5.442	PK
2			5850.000	78.685	73.171	-43.515	122.200	5.514	PK
3			5855.000	70.360	64.827	-40.440	110.800	5.533	PK
4			5875.000	63.713	58.103	-41.487	105.200	5.610	PK
5			5925.000	58.892	53.090	-9.308	68.200	5.802	PK
6		*	5930.482	60.598	54.775	-7.602	68.200	5.824	PK

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

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

Site: AC1	Time: 2019/06/28 - 00:37
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA 9120D_1-18GHz	Polarity: Horizontal
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at channel 5190MHz Ant 0 + 1	

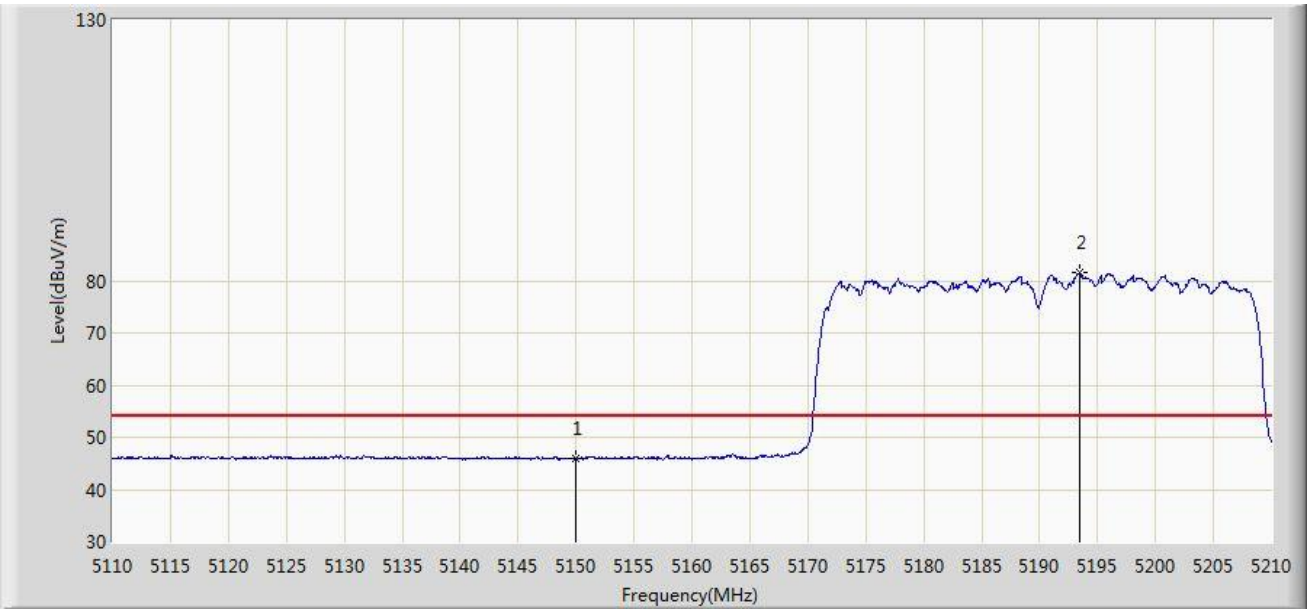


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5139.050	59.049	55.182	-14.951	74.000	3.867	PK
2			5150.000	57.289	53.413	-16.711	74.000	3.876	PK
3		*	5175.800	90.095	86.197	N/A	N/A	3.898	PK

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

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

Site: AC1	Time: 2019/06/28 - 00:38
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA 9120D_1-18GHz	Polarity: Horizontal
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at channel 5190MHz Ant 0 + 1	

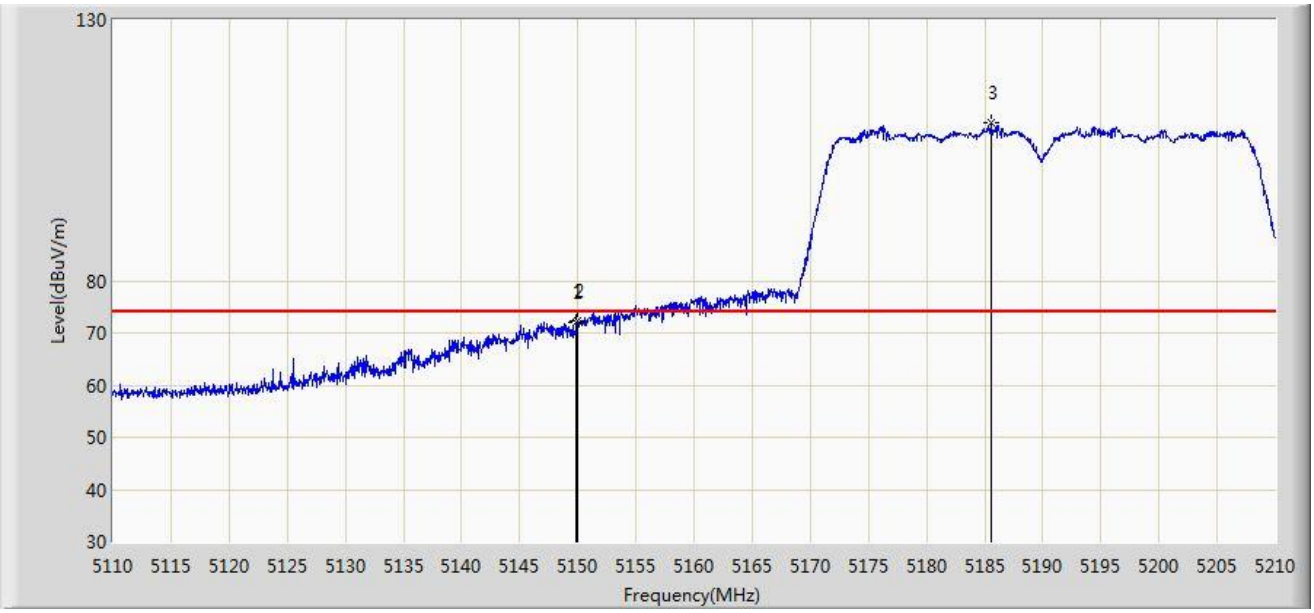


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	45.921	42.045	-8.079	54.000	3.876	AV
2		*	5193.400	81.460	77.547	N/A	N/A	3.913	AV

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

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

Site: AC1	Time: 2019/06/28 - 00:34
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA 9120D_1-18GHz	Polarity: Vertical
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at channel 5190MHz Ant 0 + 1	

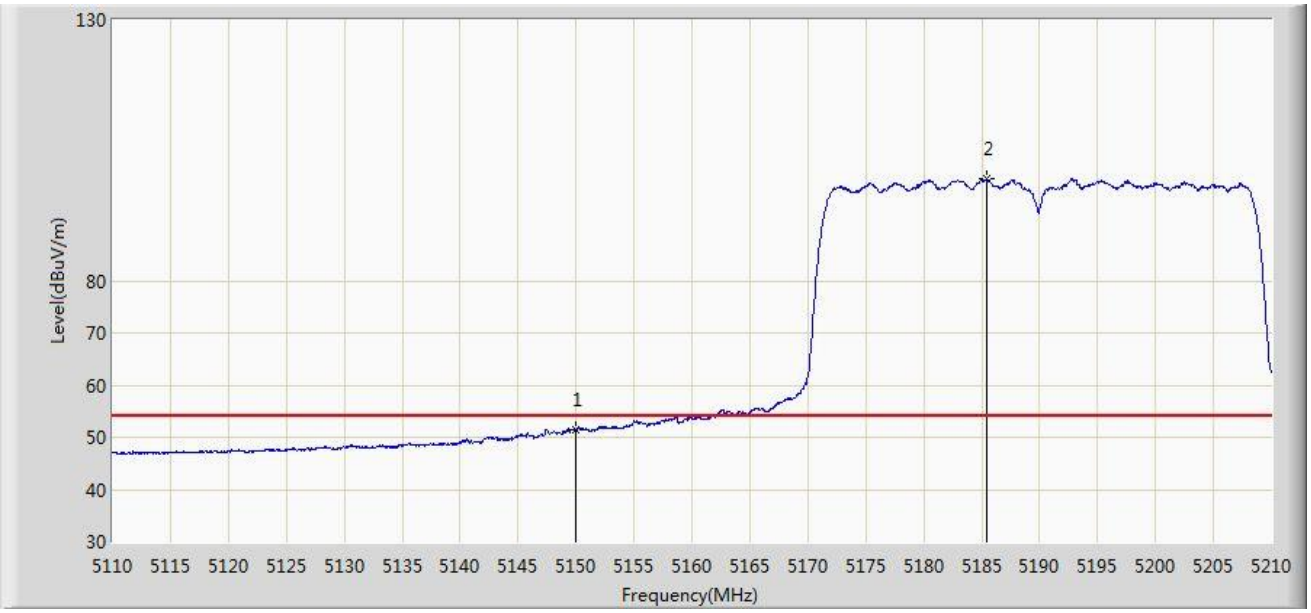


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.900	71.971	68.095	-2.029	74.000	3.876	PK
2			5150.000	72.183	68.307	-1.817	74.000	3.876	PK
3		*	5185.550	110.176	106.270	N/A	N/A	3.906	PK

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

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

Site: AC1	Time: 2019/06/28 - 00:37
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA 9120D_1-18GHz	Polarity: Vertical
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at channel 5190MHz Ant 0 + 1	

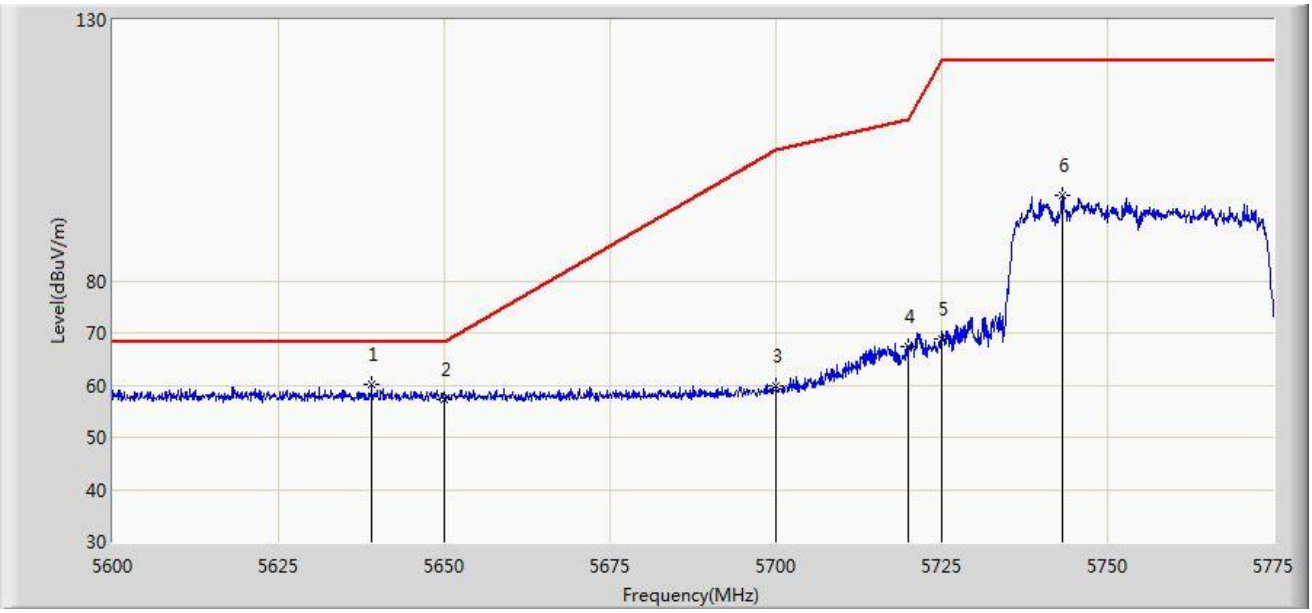


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	51.504	47.628	-2.496	54.000	3.876	AV
2		*	5185.500	99.454	95.548	N/A	N/A	3.906	AV

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

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

Site: AC1	Time: 2019/06/28 - 02:27
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Kevin Ker
Probe: BBHA 9120D_1-18GHz	Polarity: Horizontal
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at channel 5755MHz Ant 0 + 1 Ant 0 + 1	

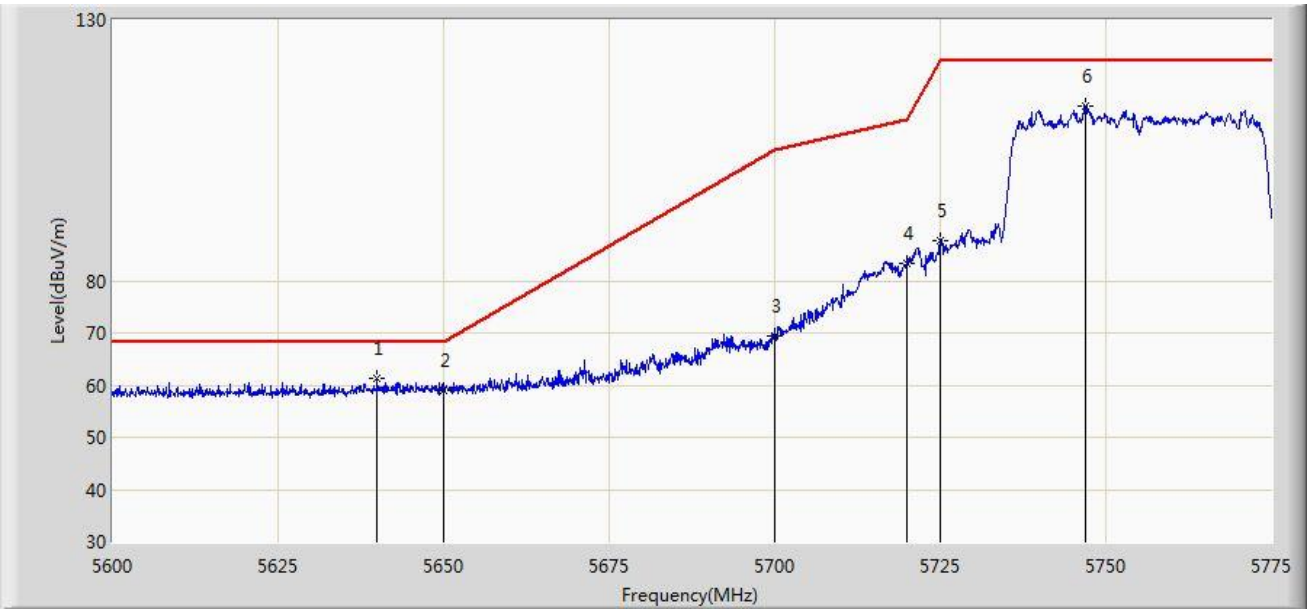


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5639.025	60.263	55.559	-7.937	68.200	4.704	PK
2			5650.000	57.174	52.428	-11.026	68.200	4.746	PK
3			5700.000	59.778	54.840	-45.422	105.200	4.938	PK
4			5720.000	67.257	62.242	-43.543	110.800	5.015	PK
5			5725.000	68.715	63.681	-53.485	122.200	5.034	PK
6			5743.150	96.340	91.237	N/A	N/A	5.103	PK

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

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

Site: AC1	Time: 2019/06/28 - 02:24
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Kevin Ker
Probe: BBHA 9120D_1-18GHz	Polarity: Vertical
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at channel 5755MHz Ant 0 + 1	

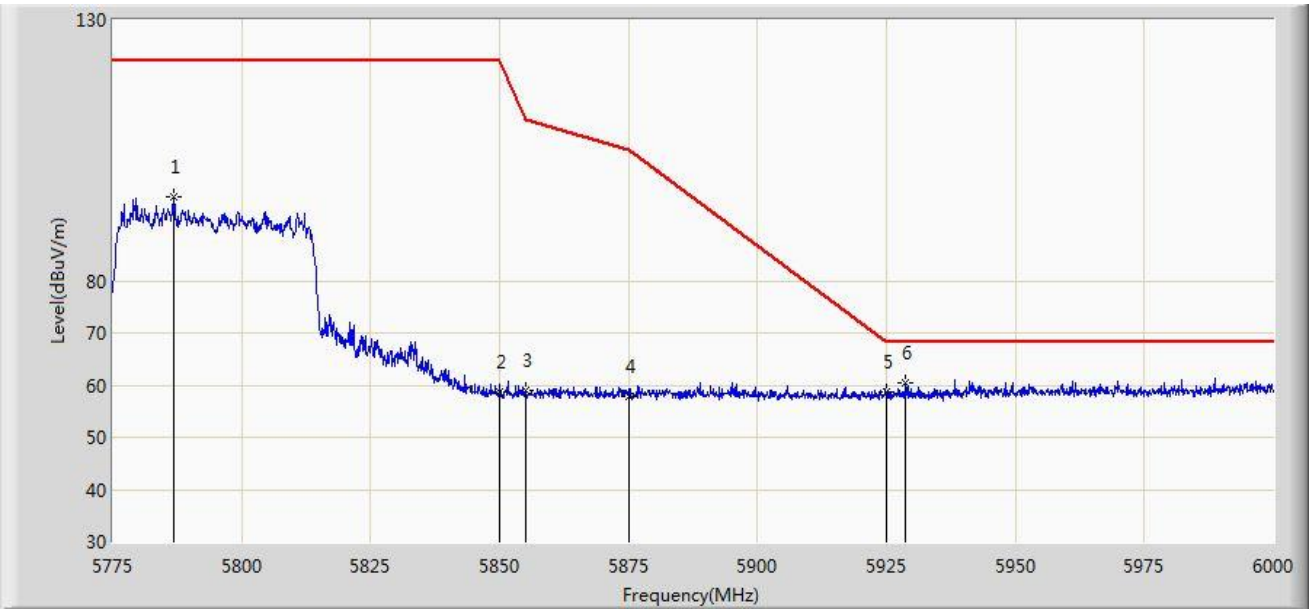


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5639.987	61.177	56.469	-7.023	68.200	4.708	PK
2			5650.000	58.895	54.149	-9.305	68.200	4.746	PK
3			5700.000	69.456	64.518	-35.744	105.200	4.938	PK
4			5720.000	83.260	78.245	-27.540	110.800	5.015	PK
5			5725.000	87.626	82.592	-34.574	122.200	5.034	PK
6			5746.913	113.442	108.324	N/A	N/A	5.118	PK

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

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

Site: AC1	Time: 2019/06/28 - 02:28
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Kevin Ker
Probe: BBHA 9120D_1-18GHz	Polarity: Horizontal
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at channel 5795MHz Ant 0 + 1	

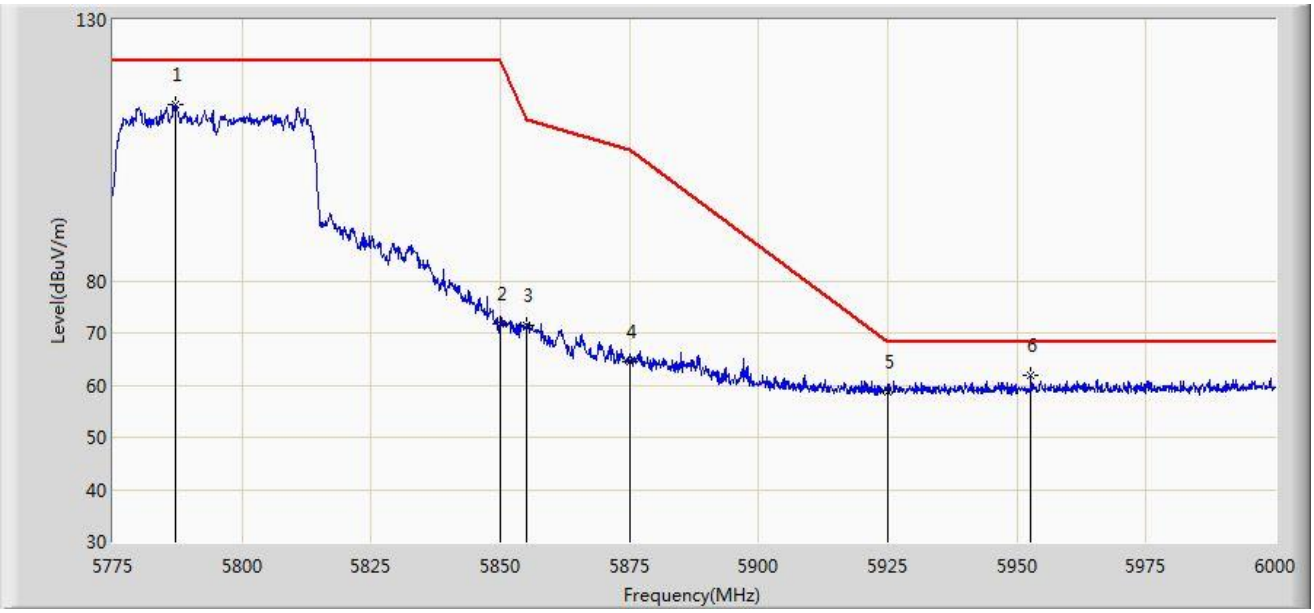


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5786.925	96.060	90.788	N/A	N/A	5.272	PK
2			5850.000	58.781	53.267	-63.419	122.200	5.514	PK
3			5855.000	58.842	53.309	-51.958	110.800	5.533	PK
4			5875.000	57.801	52.191	-47.399	105.200	5.610	PK
5			5925.000	58.620	52.818	-9.580	68.200	5.802	PK
6		*	5928.675	60.470	54.654	-7.730	68.200	5.816	PK

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

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

Site: AC1	Time: 2019/06/28 - 02:31
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Kevin Ker
Probe: BBHA 9120D_1-18GHz	Polarity: Vertical
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at channel 5795MHz Ant 0 + 1	

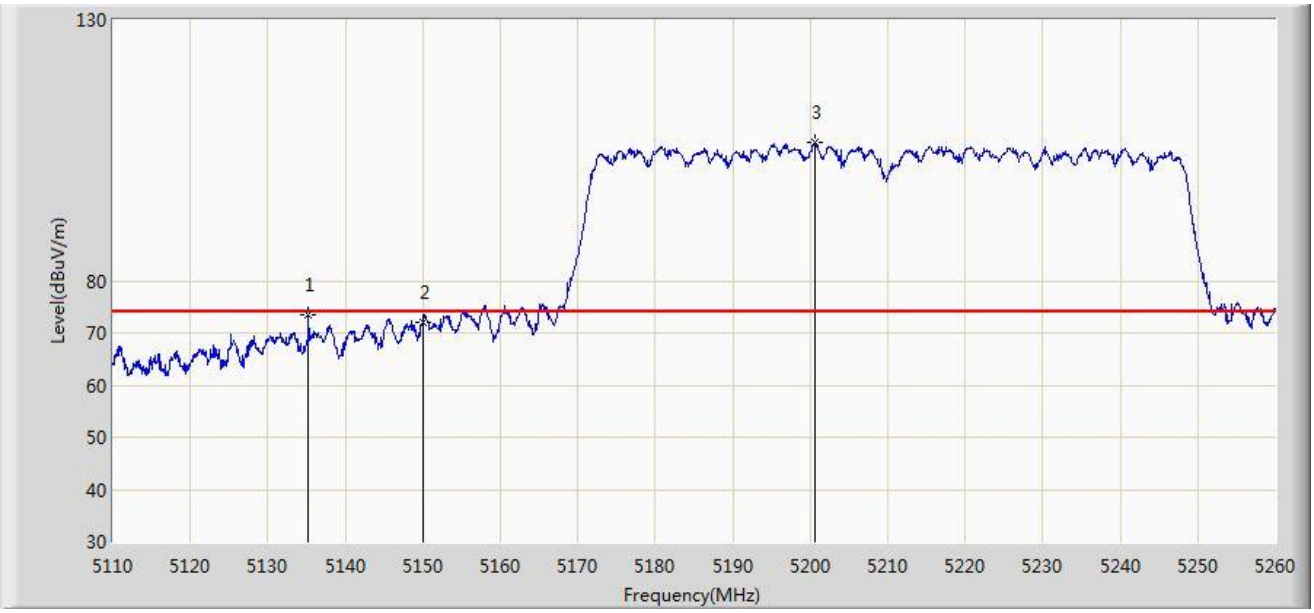


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5787.150	113.911	108.638	N/A	N/A	5.274	PK
2			5850.000	71.884	66.370	-50.316	122.200	5.514	PK
3			5855.000	71.402	65.869	-39.398	110.800	5.533	PK
4			5875.000	64.378	58.768	-40.822	105.200	5.610	PK
5			5925.000	58.819	53.017	-9.381	68.200	5.802	PK
6		*	5952.750	61.792	55.883	-6.408	68.200	5.909	PK

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

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

Site: AC1	Time: 2019/07/02 - 03:37
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA 9120D_1-18GHz	Polarity: Horizontal
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at channel 5210MHz Ant 0 + 1	

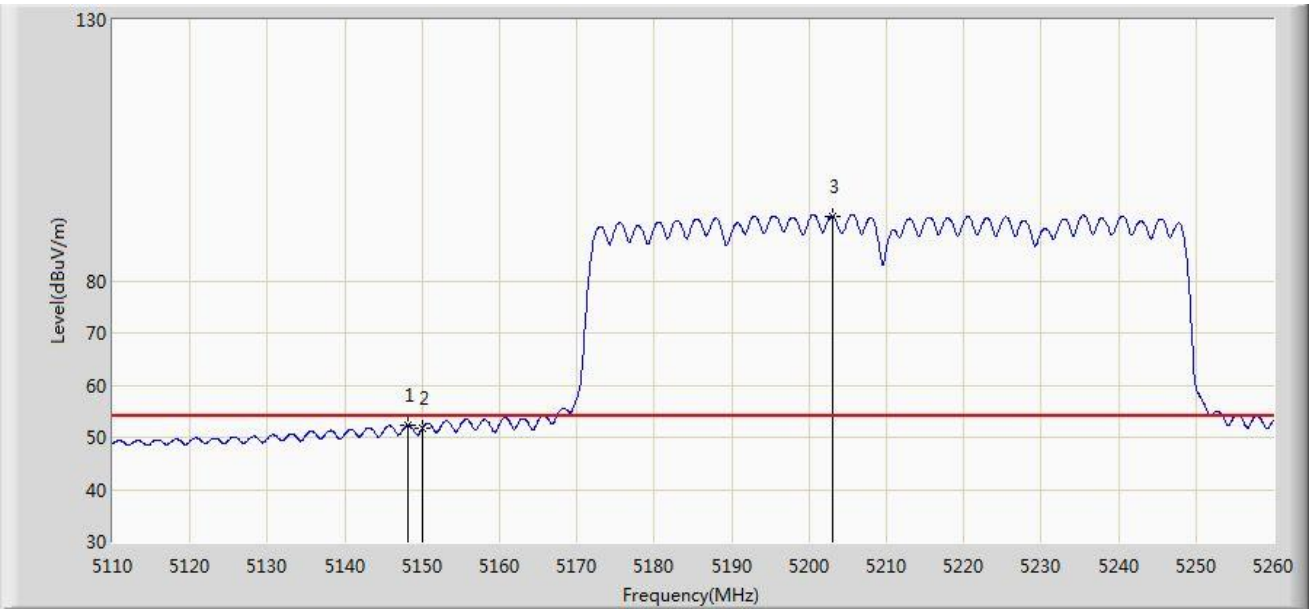


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5135.275	73.499	69.636	-0.501	74.000	3.863	PK
2			5150.000	72.131	68.255	-1.869	74.000	3.876	PK
3		*	5200.675	106.388	102.469	N/A	N/A	3.919	PK

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

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

Site: AC1	Time: 2019/07/02 - 03:39
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA 9120D_1-18GHz	Polarity: Horizontal
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at channel 5210MHz Ant 0 + 1	

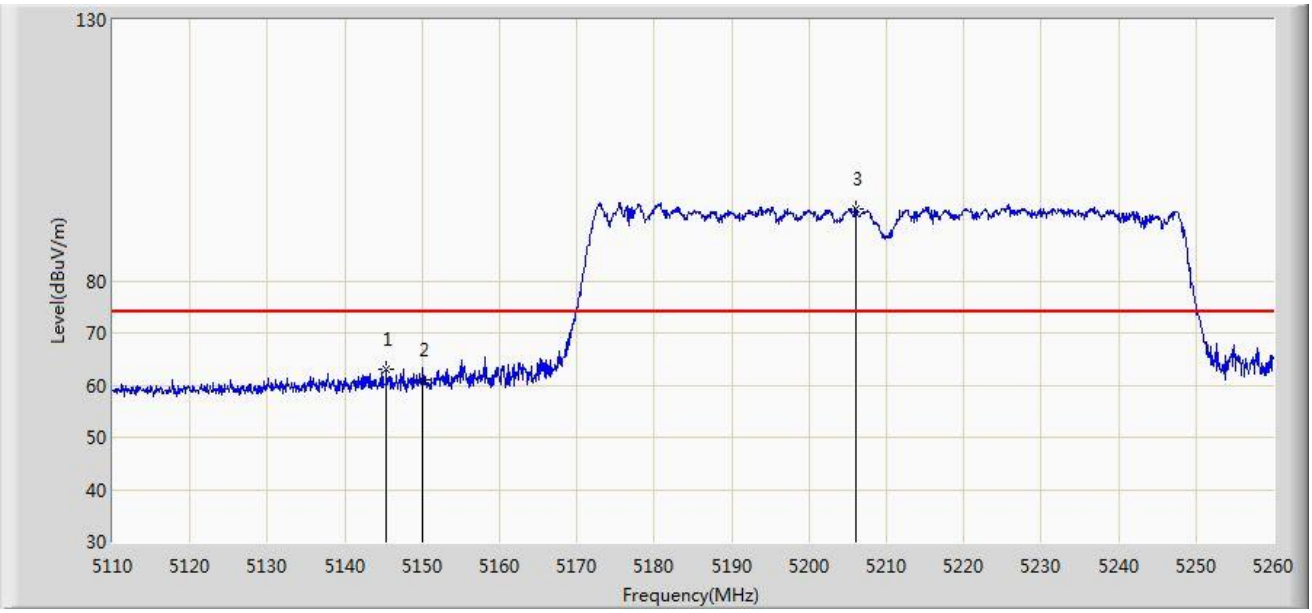


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.175	52.353	48.479	-1.647	54.000	3.874	AV
2			5150.000	51.672	47.796	-2.328	54.000	3.876	AV
3		*	5203.000	92.424	88.503	N/A	N/A	3.921	AV

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

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

Site: AC1	Time: 2019/07/02 - 03:42
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA 9120D_1-18GHz	Polarity: Vertical
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at channel 5210MHz Ant 0 + 1	

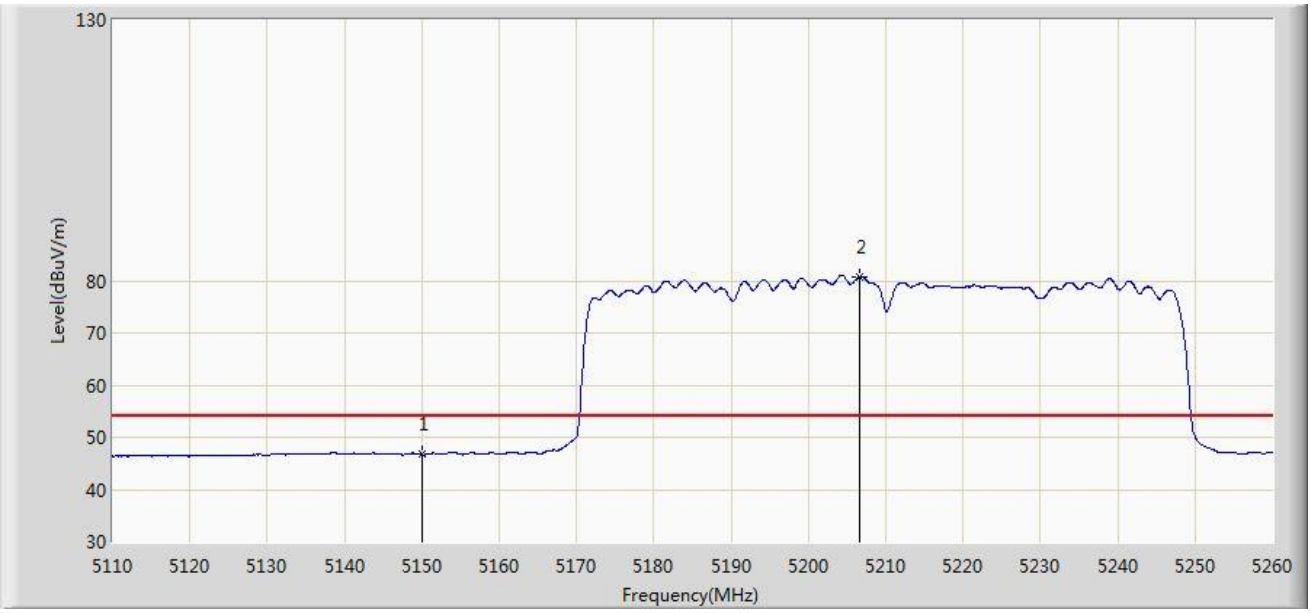


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5145.400	62.927	59.055	-11.073	74.000	3.872	PK
2			5150.000	61.054	57.178	-12.946	74.000	3.876	PK
3		*	5206.000	93.887	89.964	N/A	N/A	3.923	PK

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

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

Site: AC1	Time: 2019/07/02 - 03:42
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA 9120D_1-18GHz	Polarity: Vertical
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at channel 5210MHz Ant 0 + 1	

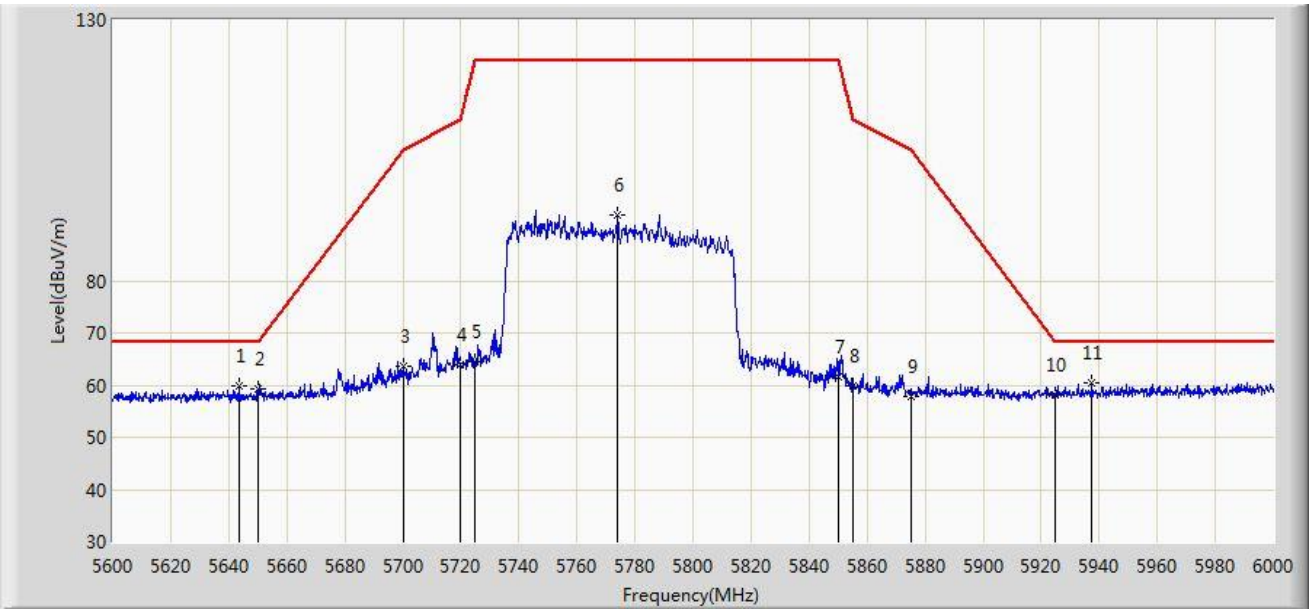


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	46.684	42.808	-7.316	54.000	3.876	AV
2		*	5206.600	80.782	76.858	N/A	N/A	3.924	AV

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

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

Site: AC1	Time: 2019/06/28 - 03:15
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Kevin Ker
Probe: BBHA 9120D_1-18GHz	Polarity: Horizontal
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at channel 5775MHz Ant 0 + 1	

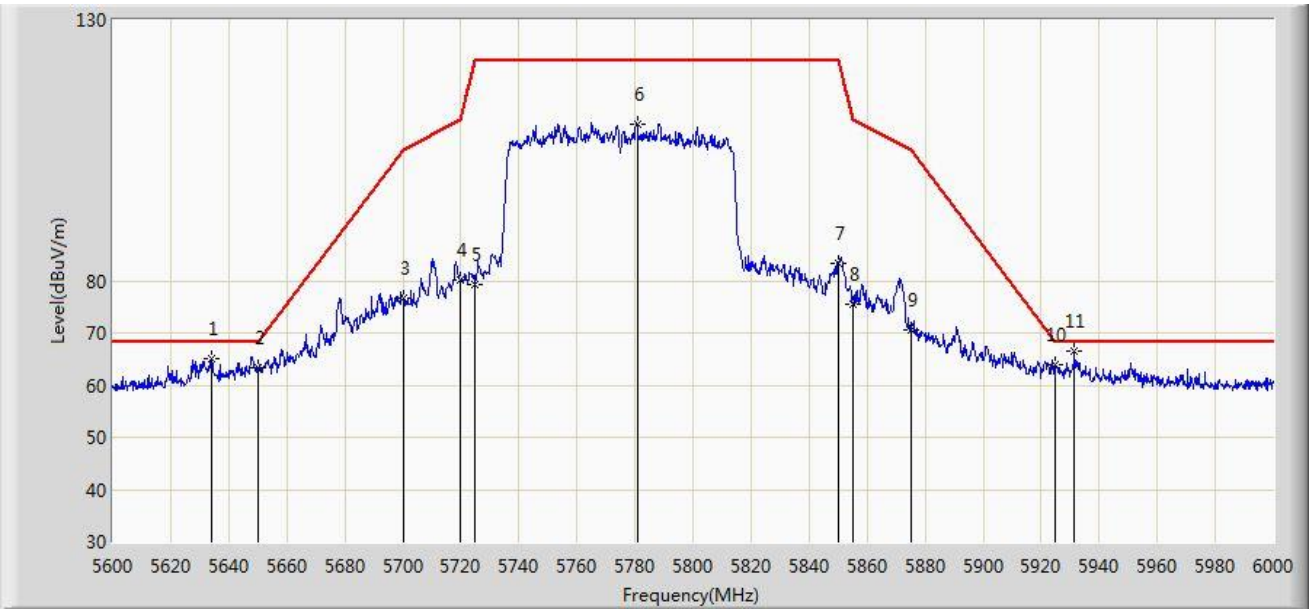


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5643.400	59.713	54.992	-8.487	68.200	4.721	PK
2			5650.000	59.219	54.473	-8.981	68.200	4.746	PK
3			5700.000	63.565	58.627	-41.635	105.200	4.938	PK
4			5720.000	63.969	58.954	-46.831	110.800	5.015	PK
5			5725.000	64.428	59.394	-57.772	122.200	5.034	PK
6			5774.000	92.613	87.391	N/A	N/A	5.222	PK
7			5850.000	61.538	56.024	-60.662	122.200	5.514	PK
8			5855.000	59.987	54.454	-50.813	110.800	5.533	PK
9			5875.000	57.846	52.236	-47.354	105.200	5.610	PK
10			5925.000	58.177	52.375	-10.023	68.200	5.802	PK
11		*	5937.400	60.382	54.532	-7.818	68.200	5.850	PK

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

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

Site: AC1	Time: 2019/06/28 - 03:17
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Kevin Ker
Probe: BBHA 9120D_1-18GHz	Polarity: Vertical
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at channel 5775MHz Ant 0 + 1	

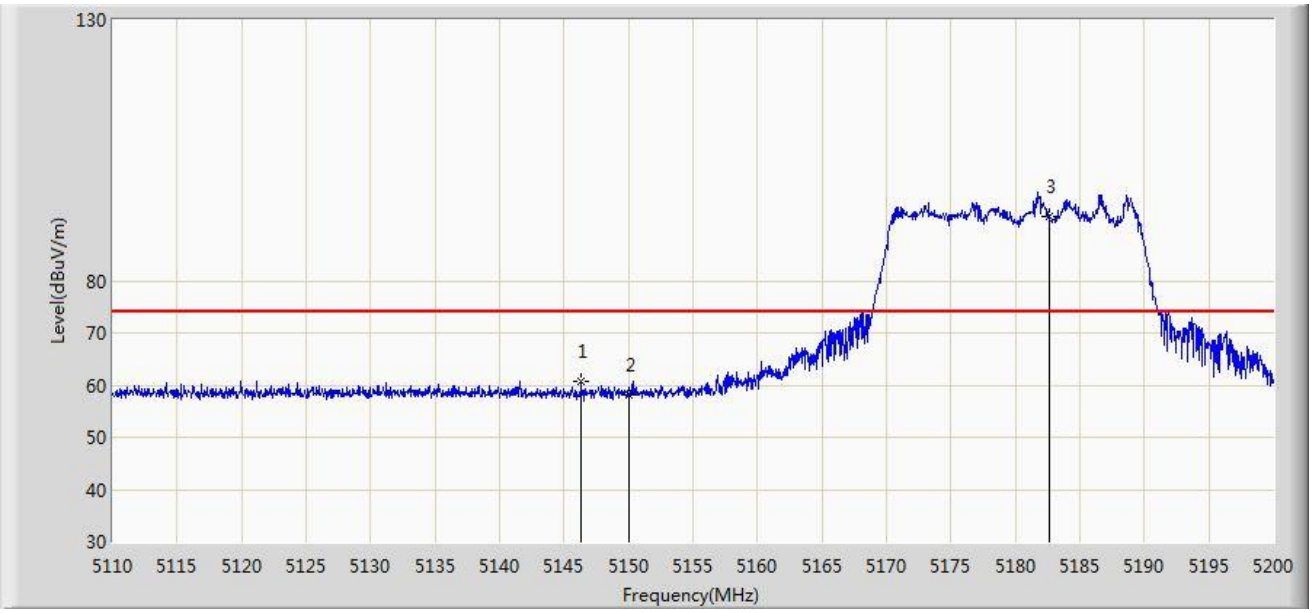


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5634.200	64.965	60.279	-3.235	68.200	4.686	PK
2			5650.000	63.234	58.488	-4.966	68.200	4.746	PK
3			5700.000	76.613	71.675	-28.587	105.200	4.938	PK
4			5720.000	80.207	75.192	-30.593	110.800	5.015	PK
5			5725.000	79.160	74.126	-43.040	122.200	5.034	PK
6			5780.800	110.052	104.803	N/A	N/A	5.249	PK
7			5850.000	83.312	77.798	-38.888	122.200	5.514	PK
8			5855.000	75.416	69.883	-35.384	110.800	5.533	PK
9			5875.000	70.557	64.947	-34.643	105.200	5.610	PK
10			5925.000	63.775	57.973	-4.425	68.200	5.802	PK
11		*	5931.400	66.528	60.701	-1.672	68.200	5.827	PK

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

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

Site: AC1	Time: 2019/06/28 - 03:34
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA 9120D_1-18GHz	Polarity: Horizontal
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE20 at channel 5180MHz Ant 0 + 1	

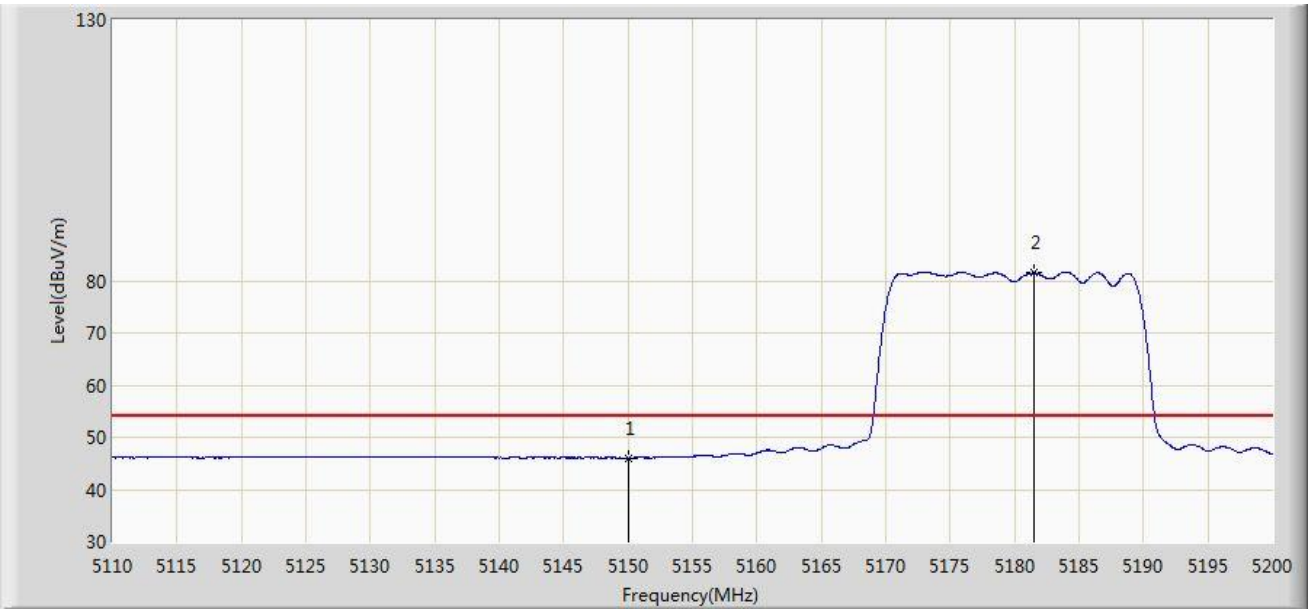


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5146.315	60.794	56.921	-13.206	74.000	3.873	PK
2			5150.000	58.260	54.384	-15.740	74.000	3.876	PK
3		*	5182.585	92.463	88.559	N/A	N/A	3.904	PK

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

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

Site: AC1	Time: 2019/06/28 - 03:35
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA 9120D_1-18GHz	Polarity: Horizontal
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE20 at channel 5180MHz Ant 0 + 1	

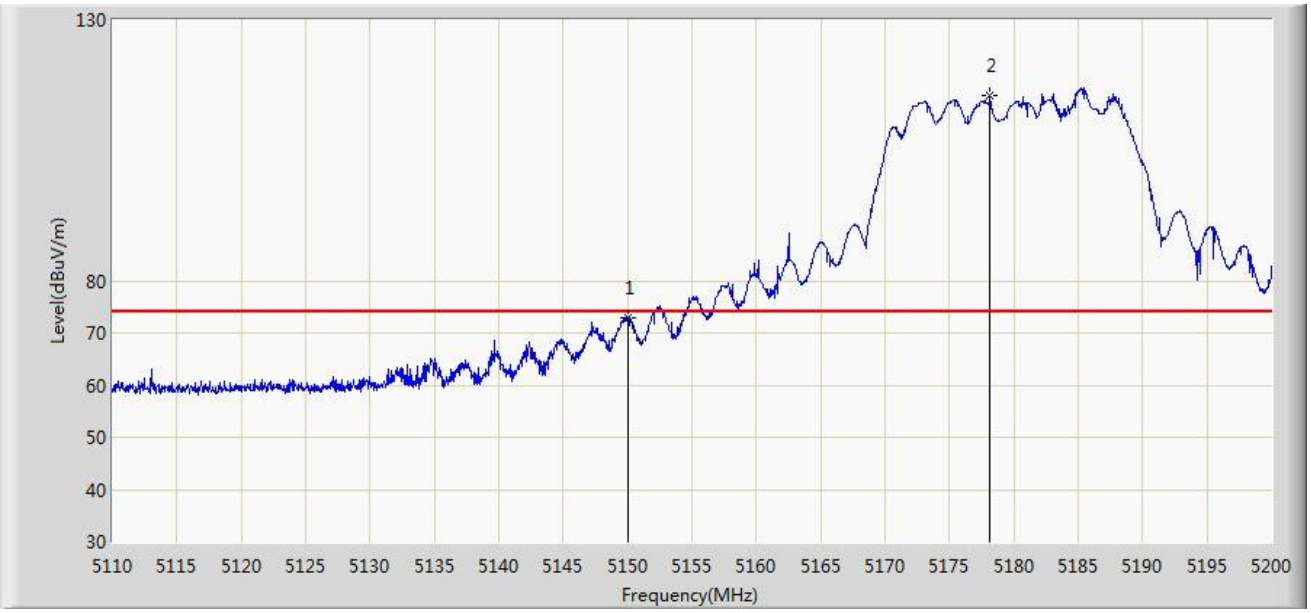


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	46.040	42.164	-7.960	54.000	3.876	AV
2		*	5181.460	81.455	77.552	N/A	N/A	3.903	AV

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

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

Site: AC1	Time: 2019/06/28 - 03:32
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA 9120D_1-18GHz	Polarity: Vertical
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE20 at channel 5180MHz Ant 0 + 1	

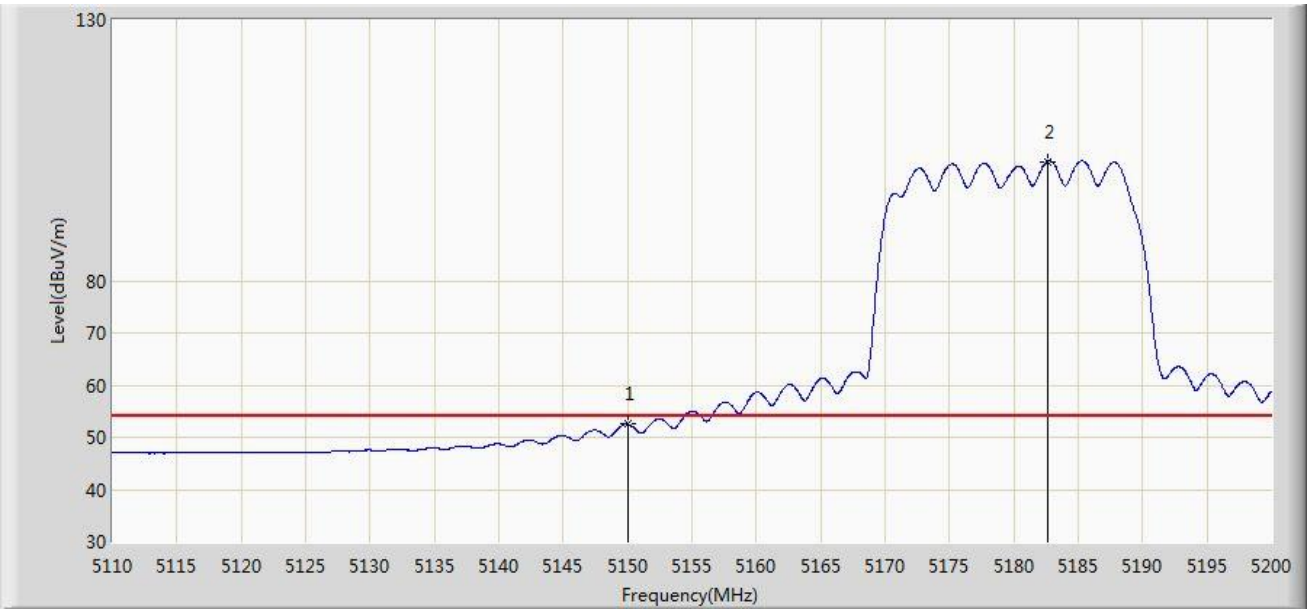


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	72.940	69.064	-1.060	74.000	3.876	PK
2		*	5178.175	115.411	111.511	N/A	N/A	3.900	PK

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

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

Site: AC1	Time: 2019/06/28 - 03:33
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA 9120D_1-18GHz	Polarity: Vertical
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE20 at channel 5180MHz Ant 0 + 1	

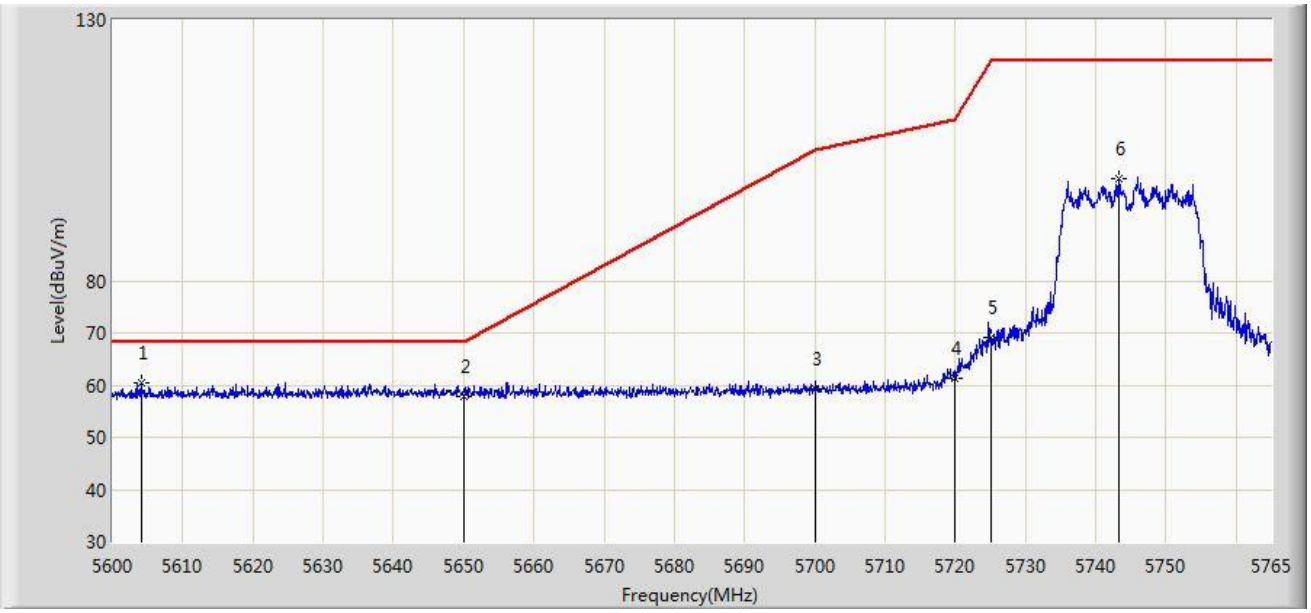


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	52.485	48.609	-1.515	54.000	3.876	AV
2		*	5182.585	102.872	98.968	N/A	N/A	3.904	AV

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

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

Site: AC1	Time: 2019/06/28 - 03:57
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Kevin Ker
Probe: BBHA 9120D_1-18GHz	Polarity: Horizontal
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE20 at channel 5745MHz Ant 0 + 1	

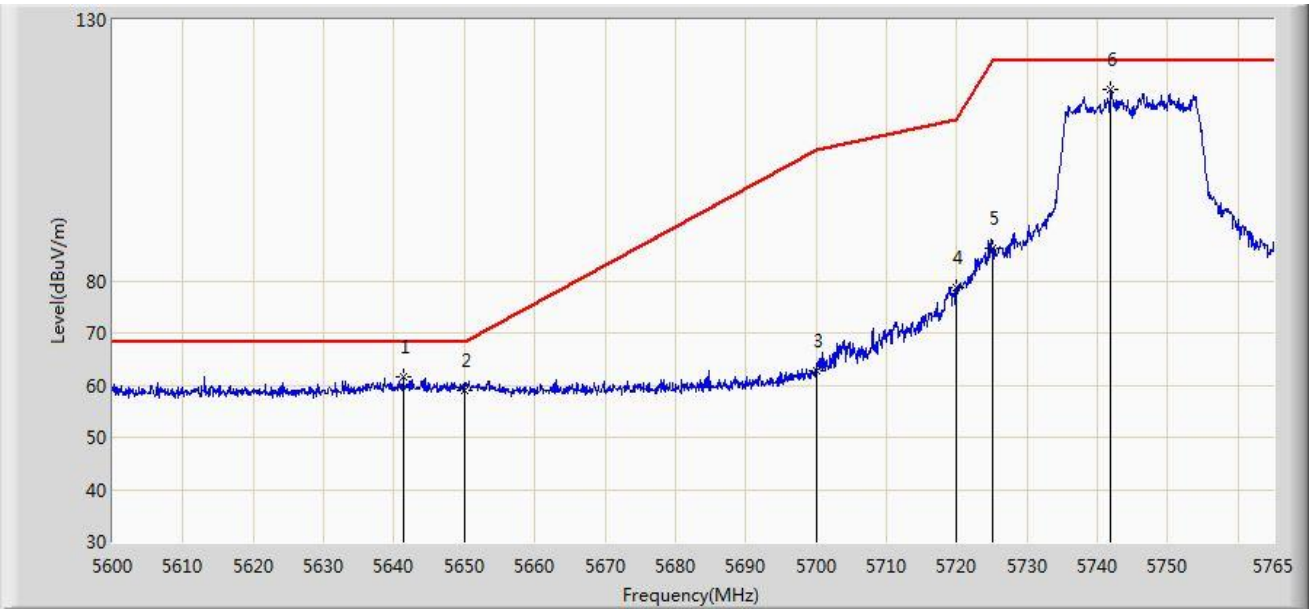


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5604.042	60.295	55.726	-7.905	68.200	4.570	PK
2			5650.000	57.946	53.200	-10.254	68.200	4.746	PK
3			5700.000	59.355	54.417	-45.845	105.200	4.938	PK
4			5720.000	61.362	56.347	-49.438	110.800	5.015	PK
5			5725.000	69.161	64.127	-53.039	122.200	5.034	PK
6			5743.303	99.494	94.390	N/A	N/A	5.104	PK

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

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

Site: AC1	Time: 2019/06/28 - 03:58
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Kevin Ker
Probe: BBHA 9120D_1-18GHz	Polarity: Vertical
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE20 at channel 5745MHz Ant 0 + 1	

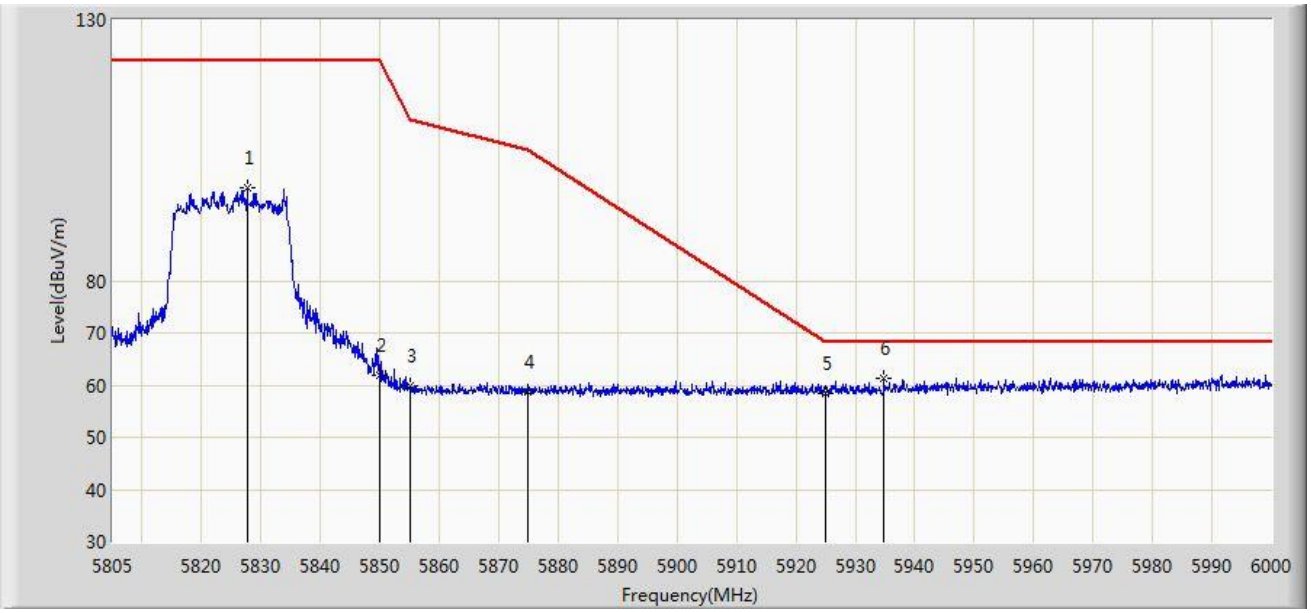


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5641.250	61.450	56.737	-6.750	68.200	4.712	PK
2			5650.000	58.869	54.123	-9.331	68.200	4.746	PK
3			5700.000	62.872	57.934	-42.328	105.200	4.938	PK
4			5720.000	78.723	73.708	-32.077	110.800	5.015	PK
5			5725.000	86.118	81.084	-36.082	122.200	5.034	PK
6		*	5741.900	116.706	111.607	N/A	N/A	5.099	PK

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

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

Site: AC1	Time: 2019/06/28 - 04:00
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Kevin Ker
Probe: BBHA 9120D_1-18GHz	Polarity: Horizontal
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE20 at channel 5825MHz Ant 0 + 1	

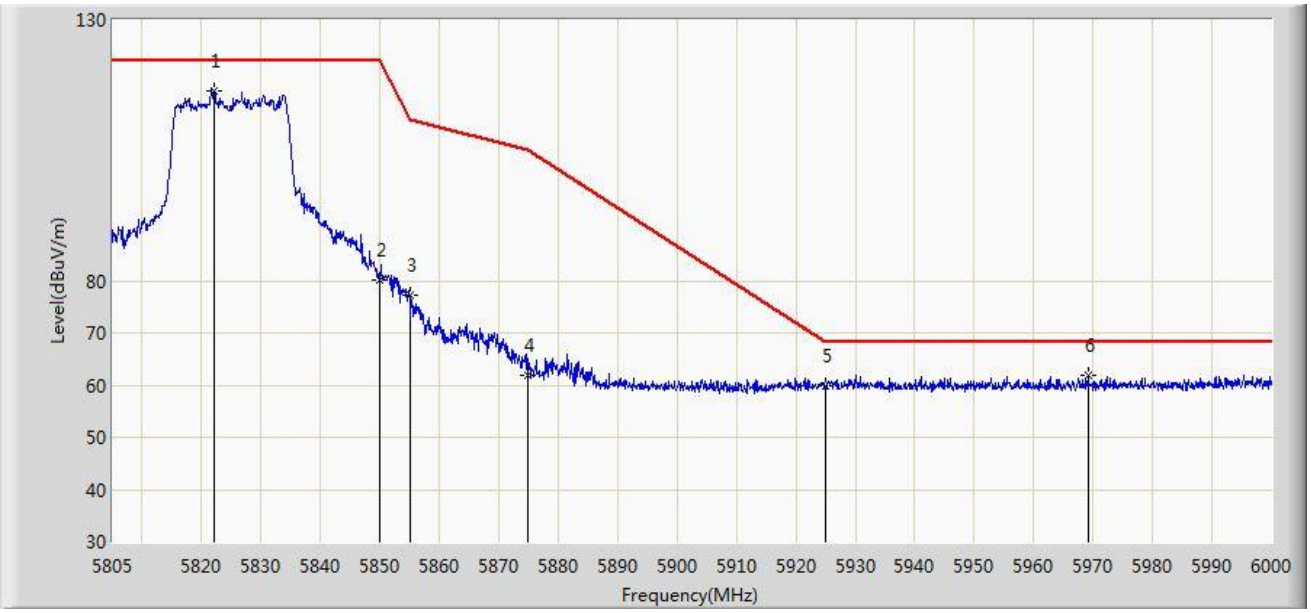


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5827.620	97.806	92.378	N/A	N/A	5.428	PK
2			5850.000	61.747	56.233	-60.453	122.200	5.514	PK
3			5855.000	59.881	54.348	-50.919	110.800	5.533	PK
4			5875.000	58.578	52.968	-46.622	105.200	5.610	PK
5			5925.000	58.459	52.657	-9.741	68.200	5.802	PK
6		*	5934.772	61.168	55.328	-7.032	68.200	5.840	PK

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

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

Site: AC1	Time: 2019/06/28 - 04:02
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Kevin Ker
Probe: BBHA 9120D_1-18GHz	Polarity: Vertical
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE20 at channel 5825MHz Ant 0 + 1	

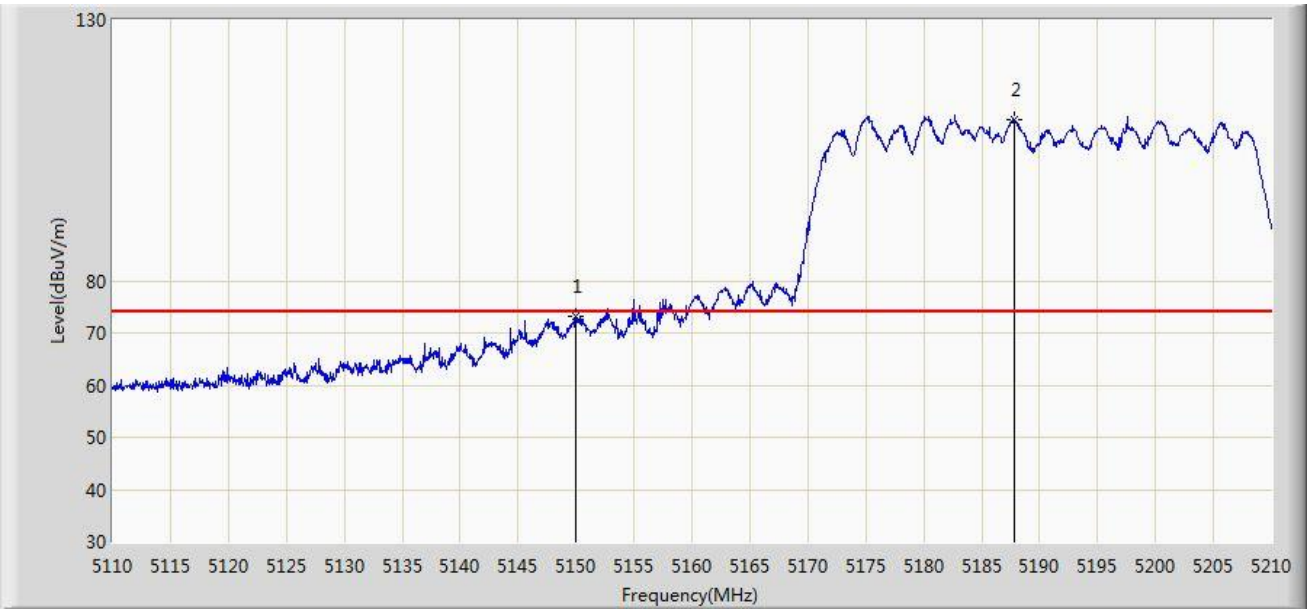


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5822.062	116.491	111.084	N/A	N/A	5.408	PK
2			5850.000	80.277	74.763	-41.923	122.200	5.514	PK
3			5855.000	77.200	71.667	-33.600	110.800	5.533	PK
4			5875.000	61.925	56.315	-43.275	105.200	5.610	PK
5			5925.000	59.746	53.944	-8.454	68.200	5.802	PK
6			5969.092	61.941	55.969	-6.259	68.200	5.971	PK

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

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

Site: AC1	Time: 2019/07/02 - 04:10
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA 9120D_1-18GHz	Polarity: Horizontal
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE40 at channel 5190MHz Ant 0 + 1	

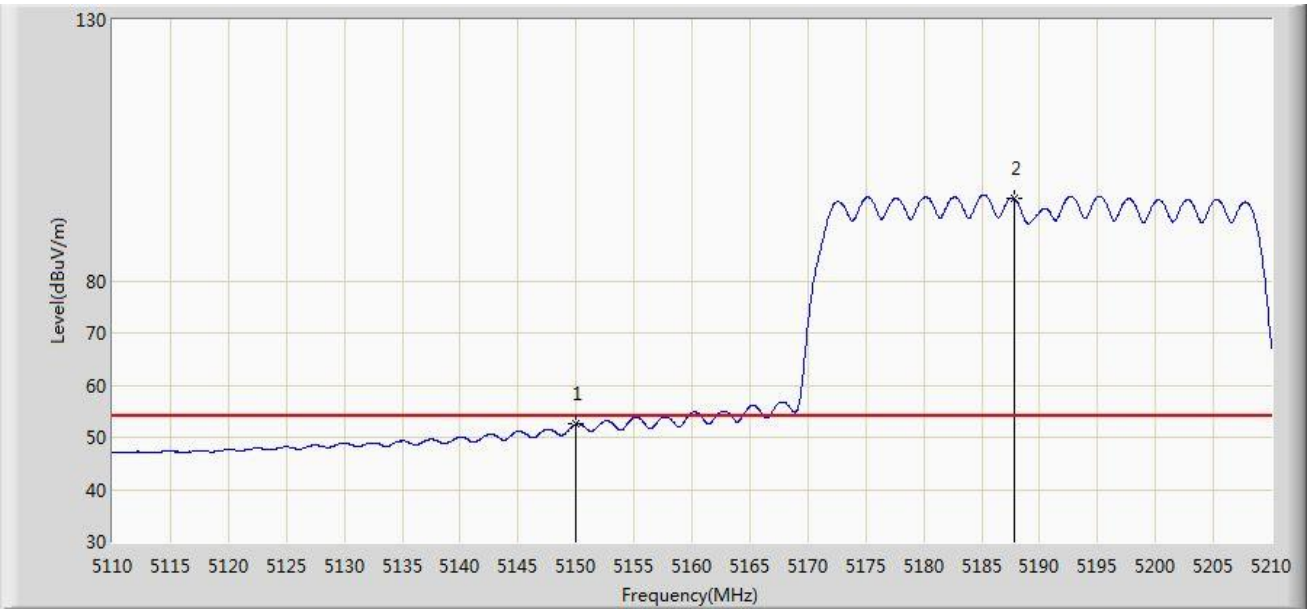


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	73.117	69.241	-0.883	74.000	3.876	PK
2		*	5187.850	110.900	106.992	N/A	N/A	3.908	PK

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

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

Site: AC1	Time: 2019/07/02 - 04:13
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA 9120D_1-18GHz	Polarity: Horizontal
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE40 at channel 5190MHz Ant 0 + 1	

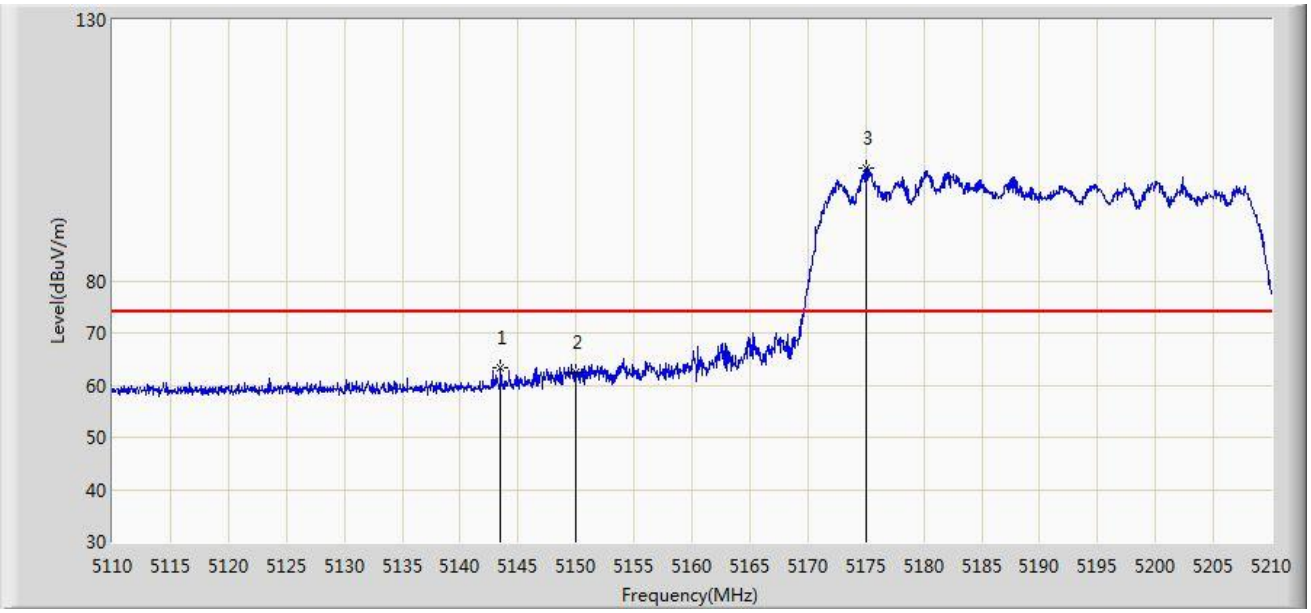


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	52.497	48.621	-1.503	54.000	3.876	AV
2		*	5187.850	95.737	91.829	N/A	N/A	3.908	AV

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

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

Site: AC1	Time: 2019/07/02 - 04:14
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA 9120D_1-18GHz	Polarity: Vertical
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE40 at channel 5190MHz Ant 0 + 1	

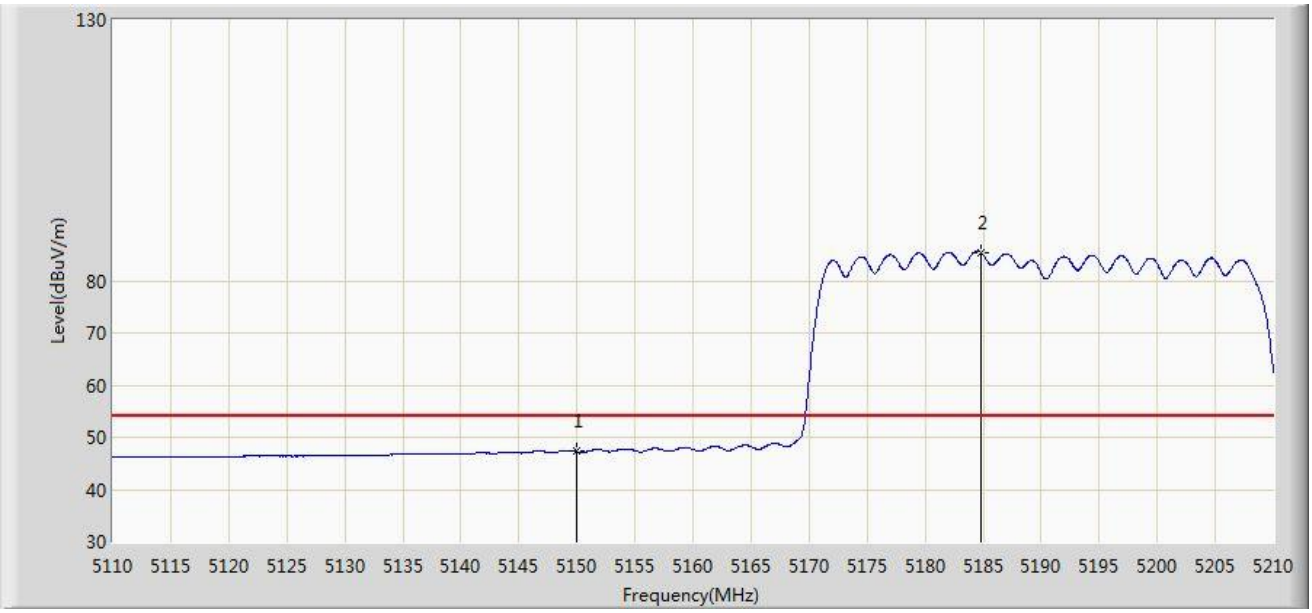


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5143.500	63.439	59.569	-10.561	74.000	3.870	PK
2			5150.000	62.355	58.479	-11.645	74.000	3.876	PK
3		*	5175.050	101.473	97.576	N/A	N/A	3.897	PK

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

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

Site: AC1	Time: 2019/07/02 - 04:16
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA 9120D_1-18GHz	Polarity: Vertical
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE40 at channel 5190MHz Ant 0 + 1	

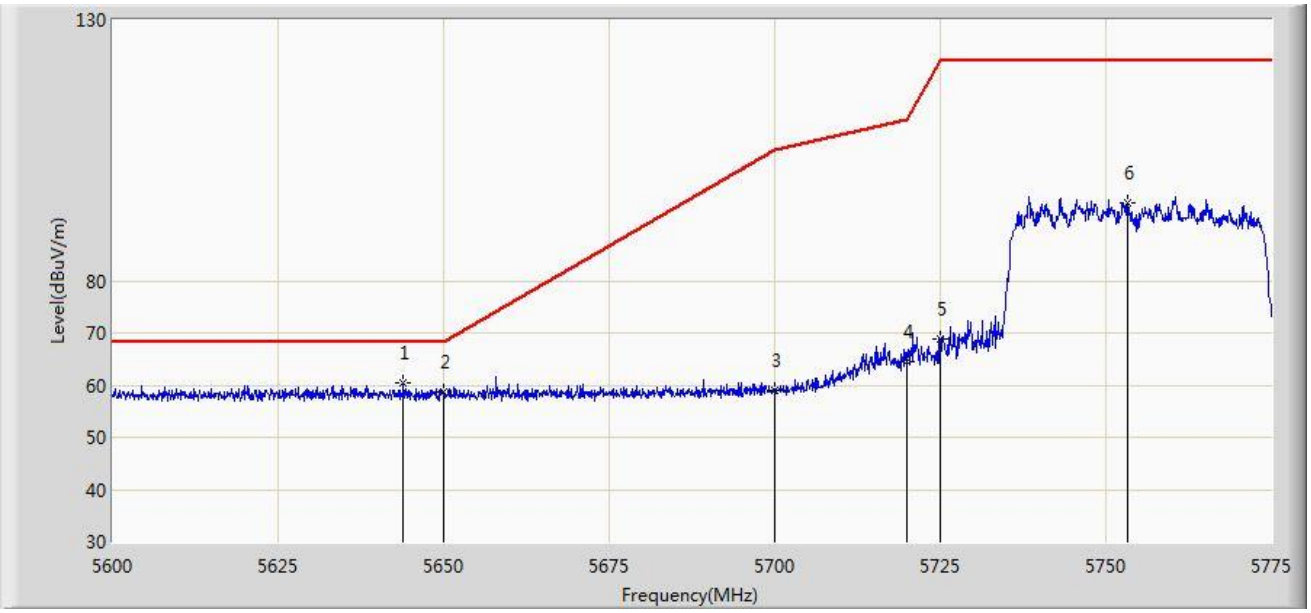


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	47.252	43.376	-6.748	54.000	3.876	AV
2		*	5184.750	85.448	81.542	N/A	N/A	3.906	AV

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

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

Site: AC1	Time: 2019/06/28 - 04:44
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Kevin Ker
Probe: BBHA 9120D_1-18GHz	Polarity: Horizontal
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE40 at channel 5755MHz Ant 0 + 1	

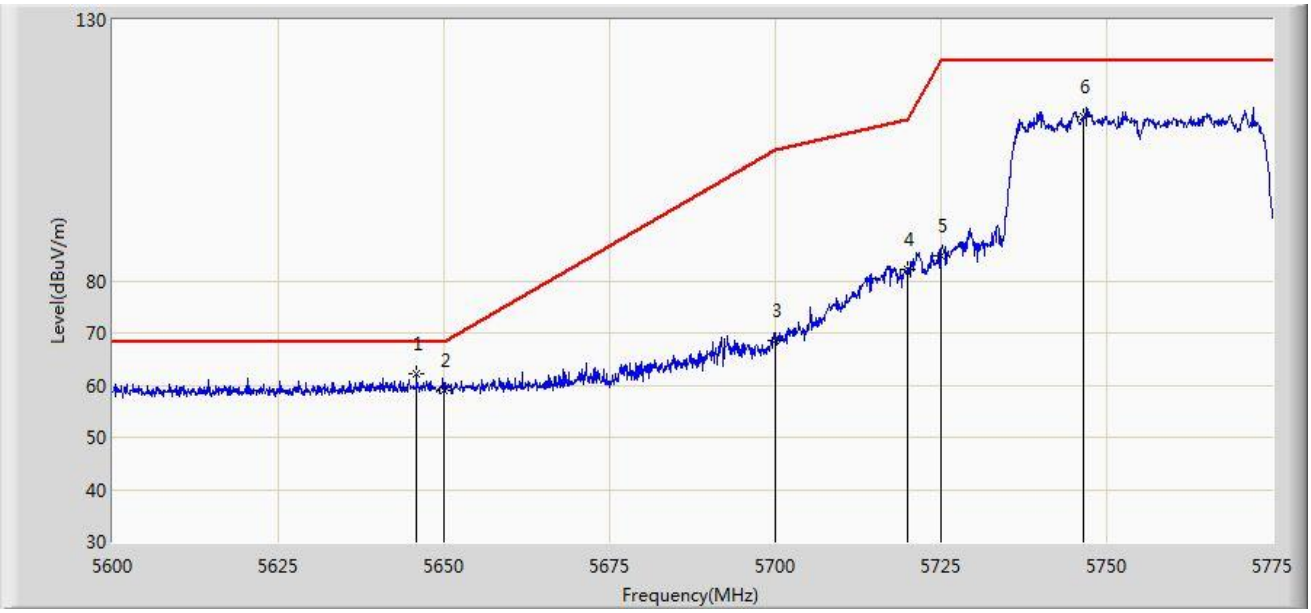


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5643.925	60.448	55.725	-7.752	68.200	4.723	PK
2			5650.000	58.560	53.814	-9.640	68.200	4.746	PK
3			5700.000	58.903	53.965	-46.297	105.200	4.938	PK
4			5720.000	64.587	59.572	-46.213	110.800	5.015	PK
5			5725.000	68.778	63.744	-53.422	122.200	5.034	PK
6			5753.388	95.012	89.869	N/A	N/A	5.142	PK

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

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

Site: AC1	Time: 2019/06/28 - 04:45
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Kevin Ker
Probe: BBHA 9120D_1-18GHz	Polarity: Vertical
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE40 at channel 5755MHz Ant 0 + 1	

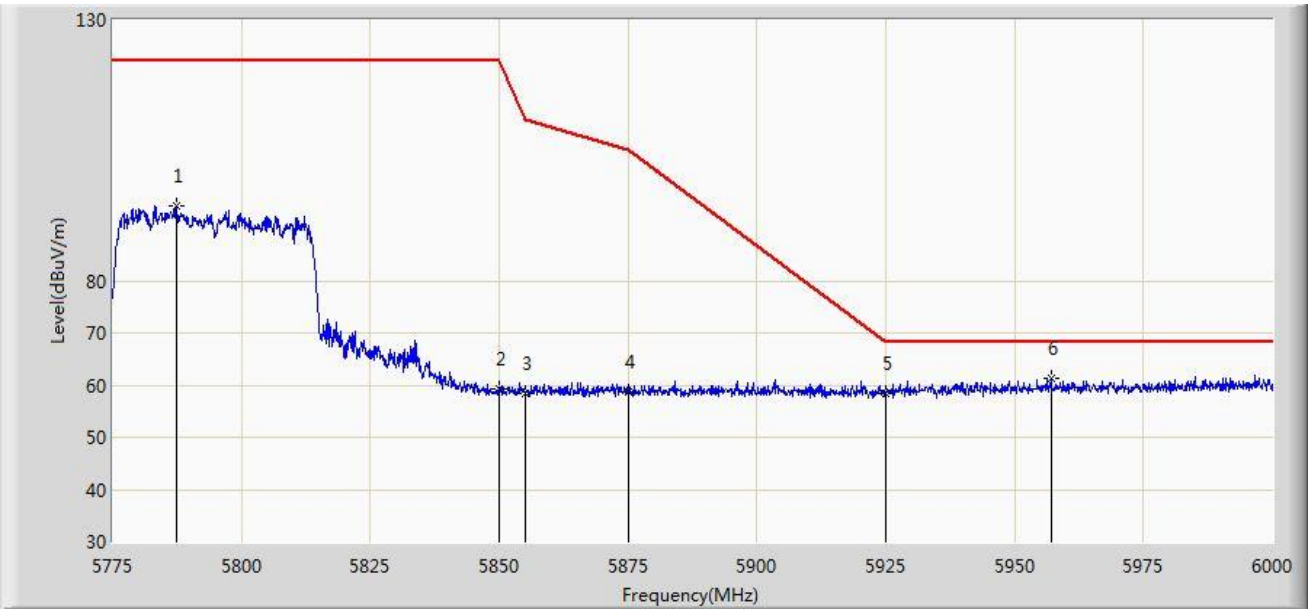


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5645.850	62.144	57.414	-6.056	68.200	4.731	PK
2			5650.000	58.975	54.229	-9.225	68.200	4.746	PK
3			5700.000	68.454	63.516	-36.746	105.200	4.938	PK
4			5720.000	82.203	77.188	-28.597	110.800	5.015	PK
5			5725.000	84.776	79.742	-37.424	122.200	5.034	PK
6			5746.562	111.476	106.360	N/A	N/A	5.116	PK

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

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

Site: AC1	Time: 2019/06/28 - 04:47
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Kevin Ker
Probe: BBHA 9120D_1-18GHz	Polarity: Horizontal
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE40 at channel 5795MHz Ant 0 + 1	

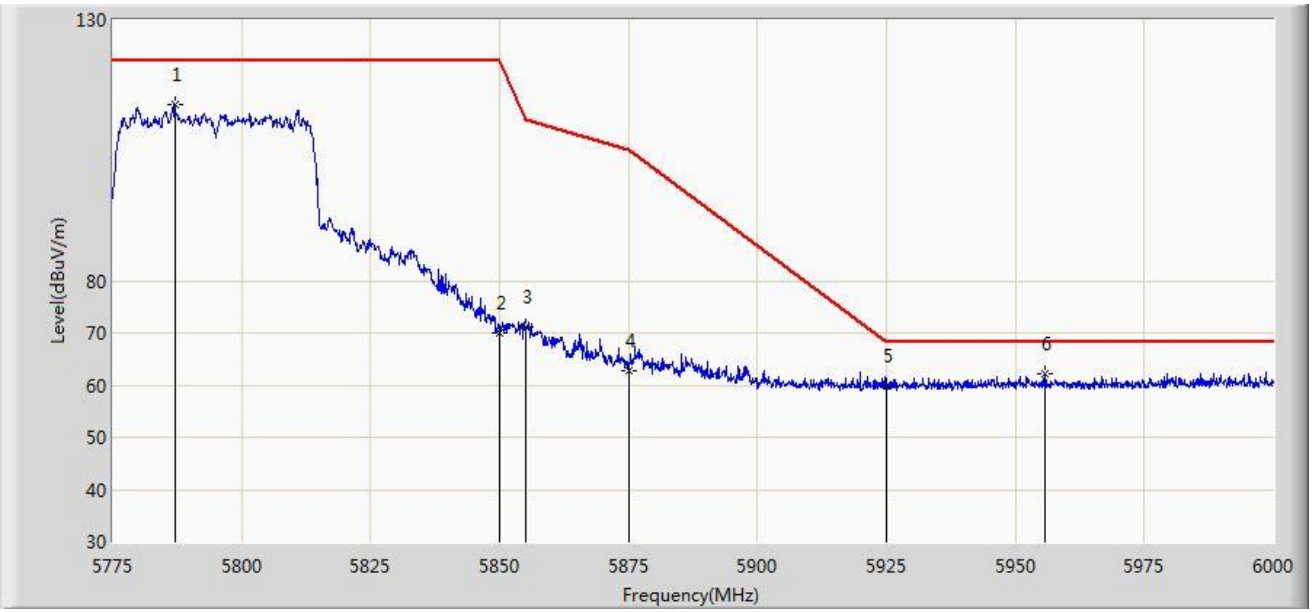


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5787.487	94.400	89.126	N/A	N/A	5.275	PK
2			5850.000	59.160	53.646	-63.040	122.200	5.514	PK
3			5855.000	58.357	52.824	-52.443	110.800	5.533	PK
4			5875.000	58.624	53.014	-46.576	105.200	5.610	PK
5			5925.000	58.465	52.663	-9.735	68.200	5.802	PK
6		*	5957.025	61.224	55.299	-6.976	68.200	5.925	PK

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

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

Site: AC1	Time: 2019/06/28 - 04:48
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Kevin Ker
Probe: BBHA 9120D_1-18GHz	Polarity: Vertical
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE40 at channel 5795MHz Ant 0 + 1	

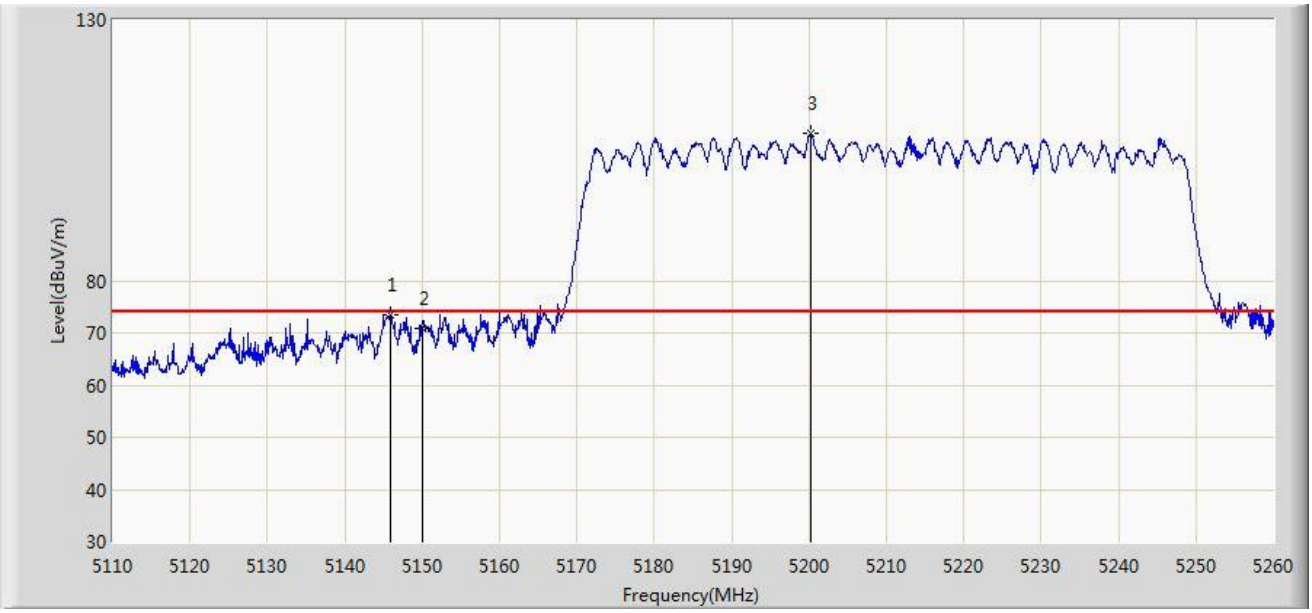


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5787.038	113.834	108.561	N/A	N/A	5.273	PK
2			5850.000	70.047	64.533	-52.153	122.200	5.514	PK
3			5855.000	71.060	65.527	-39.740	110.800	5.533	PK
4			5875.000	62.857	57.247	-42.343	105.200	5.610	PK
5			5925.000	59.992	54.190	-8.208	68.200	5.802	PK
6		*	5955.788	62.033	56.112	-6.167	68.200	5.921	PK

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

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

Site: AC1	Time: 2019/07/02 - 04:43
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA 9120D_1-18GHz	Polarity: Horizontal
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE80 at channel 5210MHz Ant 0 + 1	

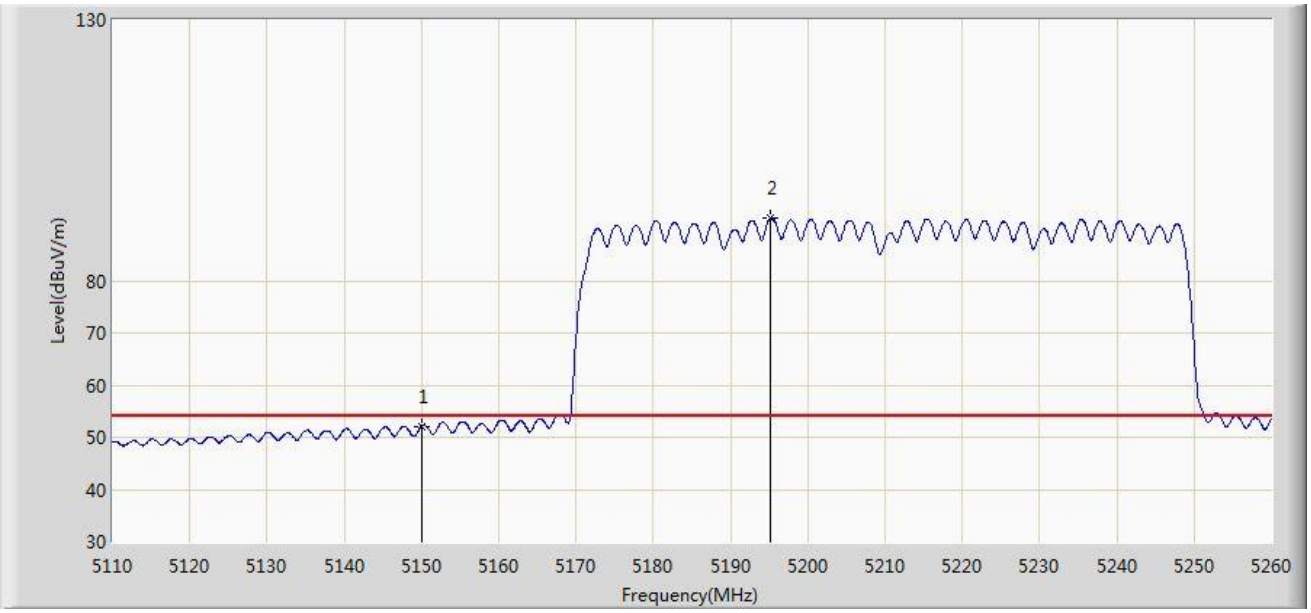


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5145.925	73.403	69.531	-0.597	74.000	3.872	PK
2			5150.000	70.815	66.939	-3.185	74.000	3.876	PK
3		*	5200.150	108.208	104.290	N/A	N/A	3.918	PK

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

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

Site: AC1	Time: 2019/07/02 - 04:46
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA 9120D_1-18GHz	Polarity: Horizontal
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE80 at channel 5210MHz Ant 0 + 1	

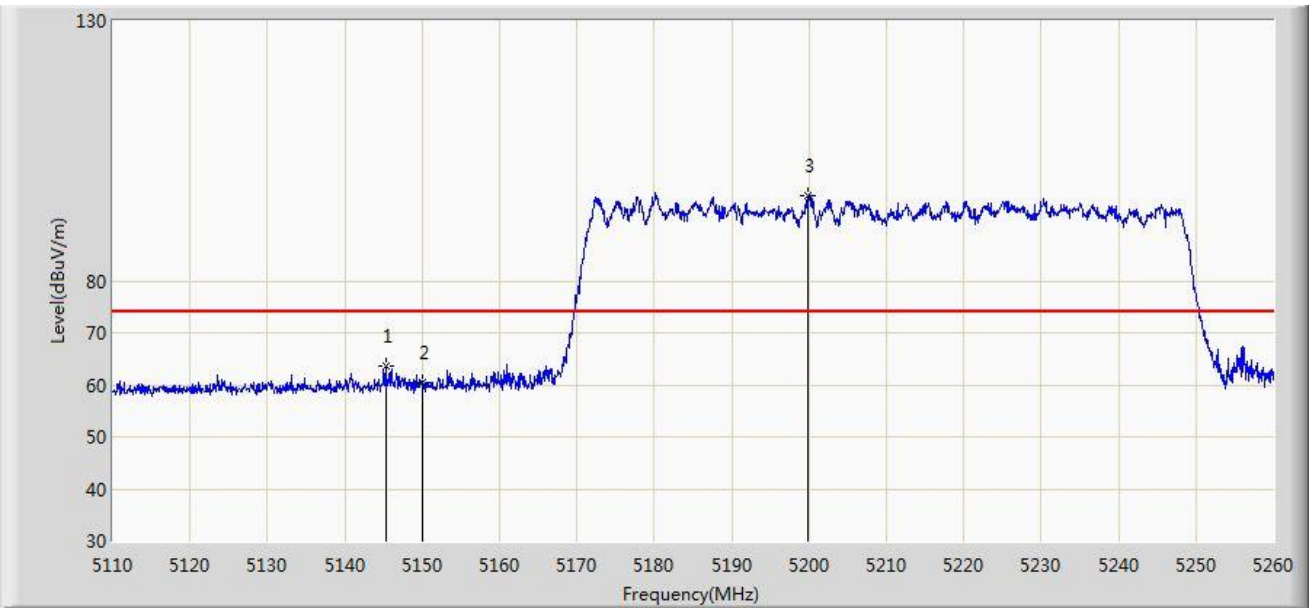


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	52.059	48.183	-1.941	54.000	3.876	AV
2		*	5195.200	91.977	88.063	N/A	N/A	3.914	AV

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

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

Site: AC1	Time: 2019/07/02 - 04:48
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA 9120D_1-18GHz	Polarity: Vertical
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE80 at channel 5210MHz Ant 0 + 1	

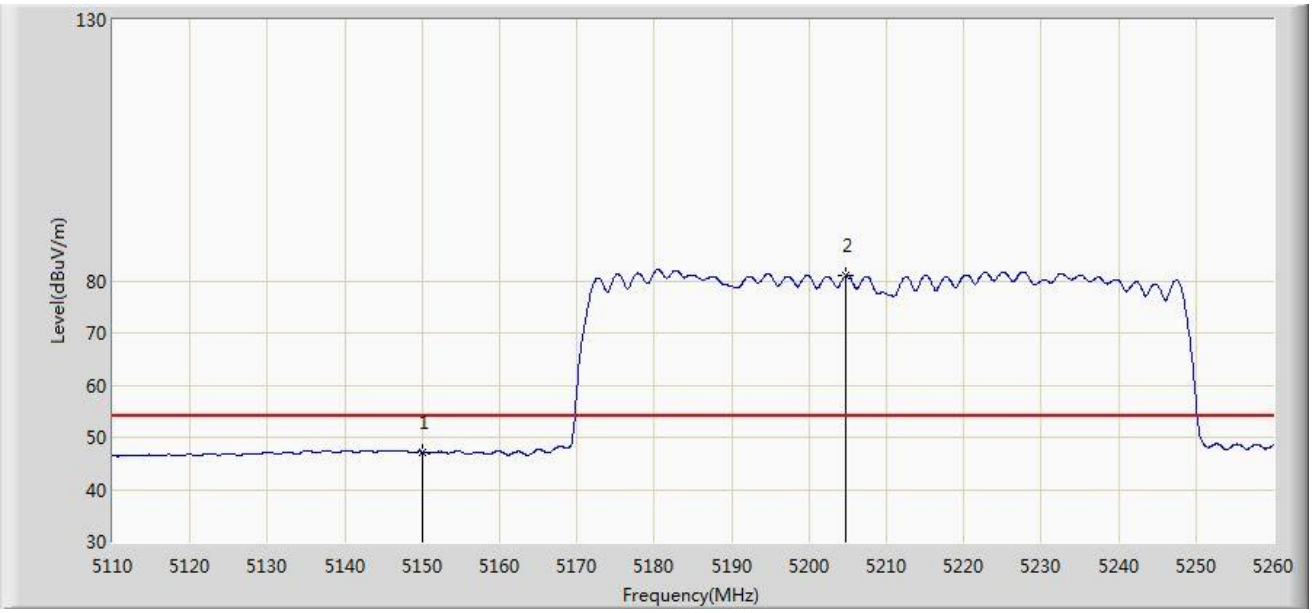


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5145.325	63.515	59.643	-10.485	74.000	3.872	PK
2			5150.000	60.482	56.606	-13.518	74.000	3.876	PK
3		*	5199.925	96.319	92.401	N/A	N/A	3.918	PK

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

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

Site: AC1	Time: 2019/07/02 - 04:48
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA 9120D_1-18GHz	Polarity: Vertical
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE80 at channel 5210MHz Ant 0 + 1	

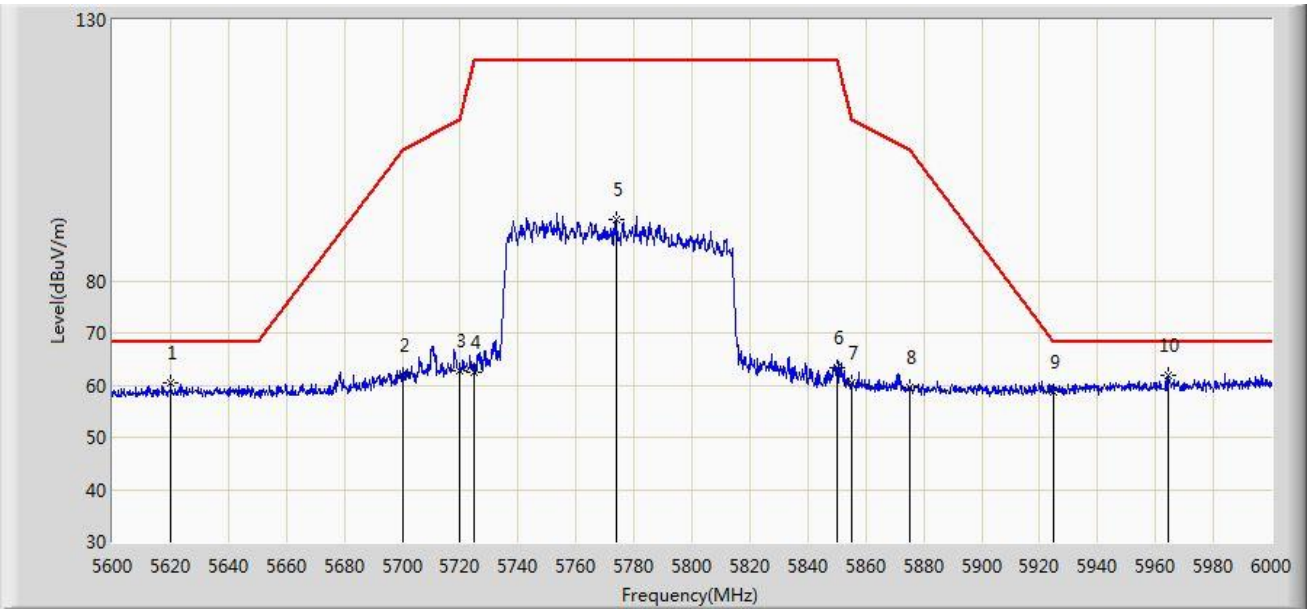


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	47.239	43.363	-6.761	54.000	3.876	AV
2		*	5204.800	81.095	77.173	N/A	N/A	3.922	AV

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

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

Site: AC1	Time: 2019/06/28 - 05:16
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Kevin Ker
Probe: BBHA 9120D_1-18GHz	Polarity: Horizontal
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE80 at channel 5775MHz Ant 0 + 1	

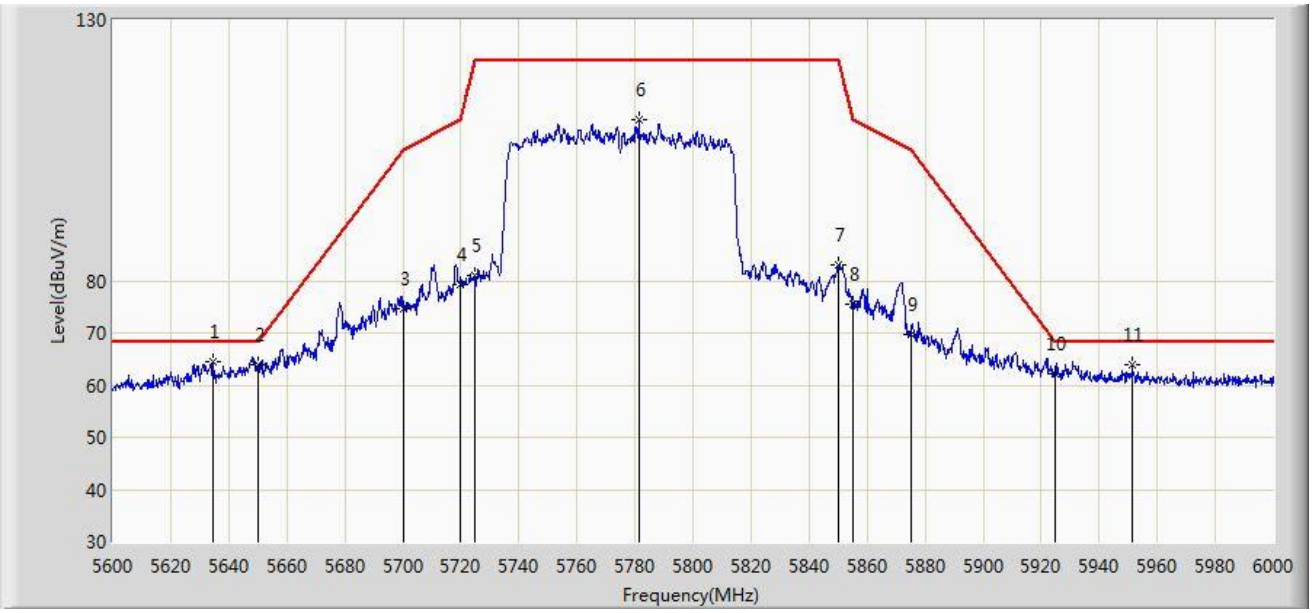


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5620.000	60.364	55.733	-7.836	68.200	4.631	PK
2			5700.000	61.774	56.836	-43.426	105.200	4.938	PK
3			5720.000	62.860	57.845	-47.940	110.800	5.015	PK
4			5725.000	62.491	57.457	-59.709	122.200	5.034	PK
5			5773.800	91.651	86.429	N/A	N/A	5.221	PK
6			5850.000	63.391	57.877	-58.809	122.200	5.514	PK
7			5855.000	60.414	54.881	-50.386	110.800	5.533	PK
8			5875.000	59.606	53.996	-45.594	105.200	5.610	PK
9			5925.000	58.703	52.901	-9.497	68.200	5.802	PK
10		*	5964.400	62.003	56.049	-6.197	68.200	5.953	PK

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

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

Site: AC1	Time: 2019/06/28 - 05:18
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Kevin Ker
Probe: BBHA 9120D_1-18GHz	Polarity: Vertical
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE80 at channel 5775MHz Ant 0 + 1	



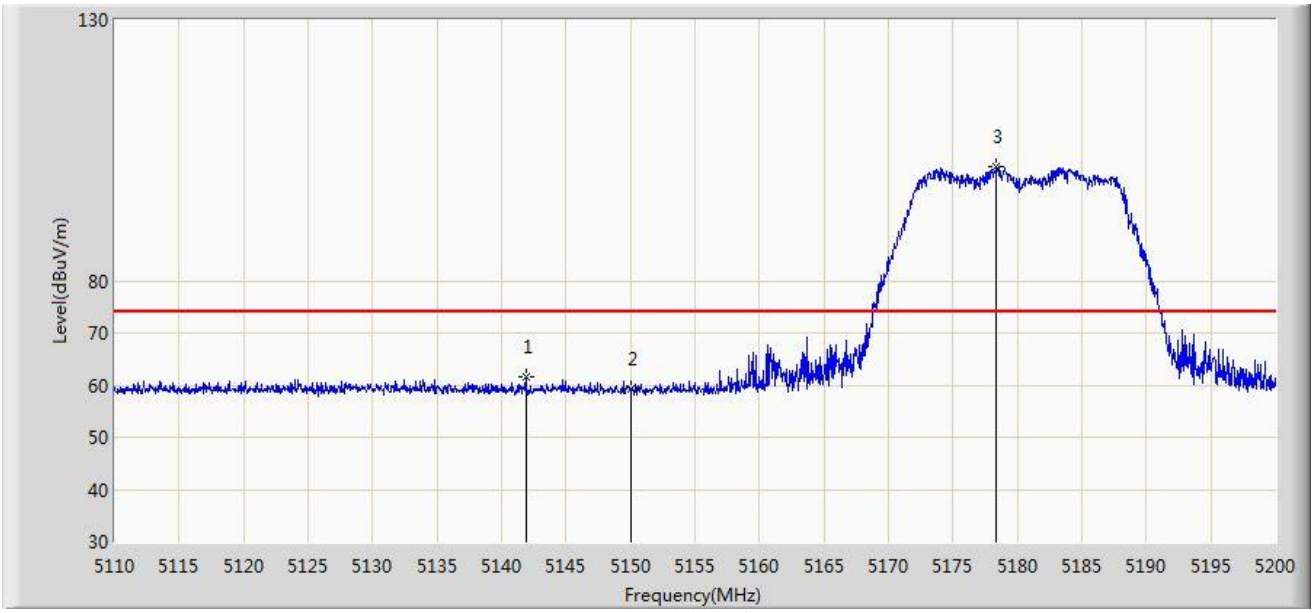
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5634.600	64.362	59.675	-3.838	68.200	4.686	PK
2			5650.000	63.815	59.069	-4.385	68.200	4.746	PK
3			5700.000	74.735	69.797	-30.465	105.200	4.938	PK
4			5720.000	79.373	74.358	-31.427	110.800	5.015	PK
5			5725.000	80.978	75.944	-41.222	122.200	5.034	PK
6			5781.400	110.858	105.607	N/A	N/A	5.251	PK
7			5850.000	83.175	77.661	-39.025	122.200	5.514	PK
8			5855.000	75.566	70.033	-35.234	110.800	5.533	PK
9			5875.000	69.606	63.996	-35.594	105.200	5.610	PK
10			5925.000	62.158	56.356	-6.042	68.200	5.802	PK
11			5951.400	63.808	57.904	-4.392	68.200	5.903	PK

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

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

For APIN0504 Omni Antenna (AP-ANT-19):

Site: AC1	Time: 2019/06/28 - 22:35
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA 9120D_1-18GHz	Polarity: Horizontal
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11 a at channel 5180MHz Ant 0 + 1	

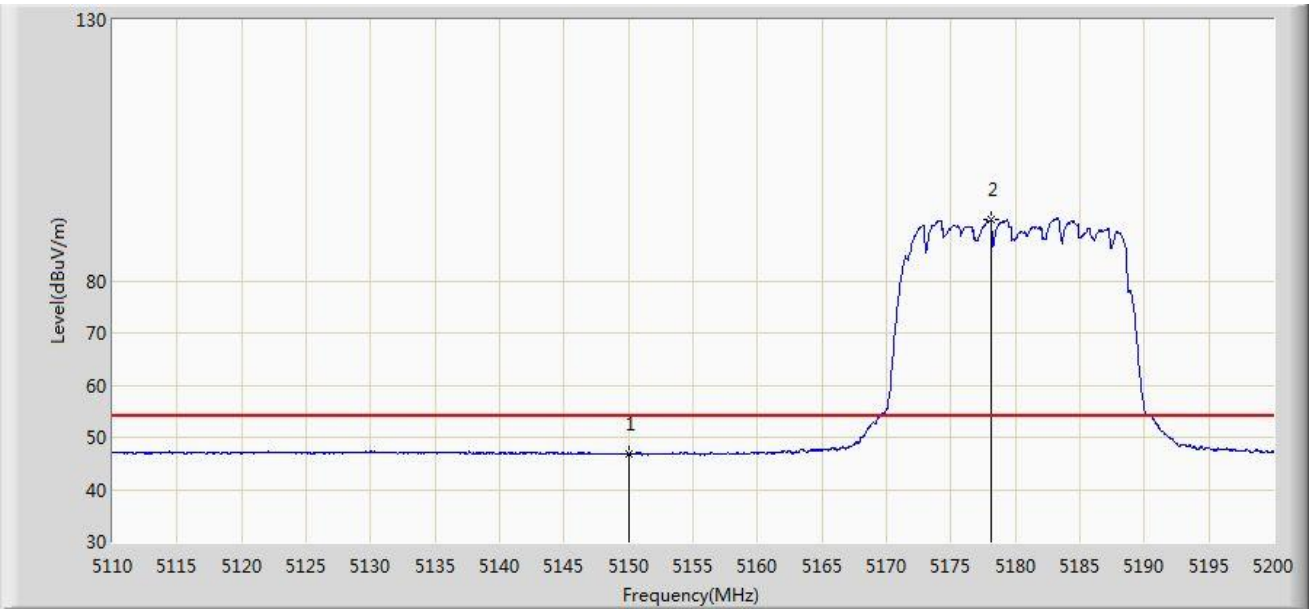


No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5141.905	61.669	57.800	-12.331	74.000	3.869	PK
2		5150.000	59.297	55.421	-14.703	74.000	3.876	PK
3	*	5178.400	101.971	98.071	N/A	N/A	3.900	PK

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

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

Site: AC1	Time: 2019/06/28 - 22:37
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA 9120D_1-18GHz	Polarity: Horizontal
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11 a at channel 5180MHz Ant 0 + 1	

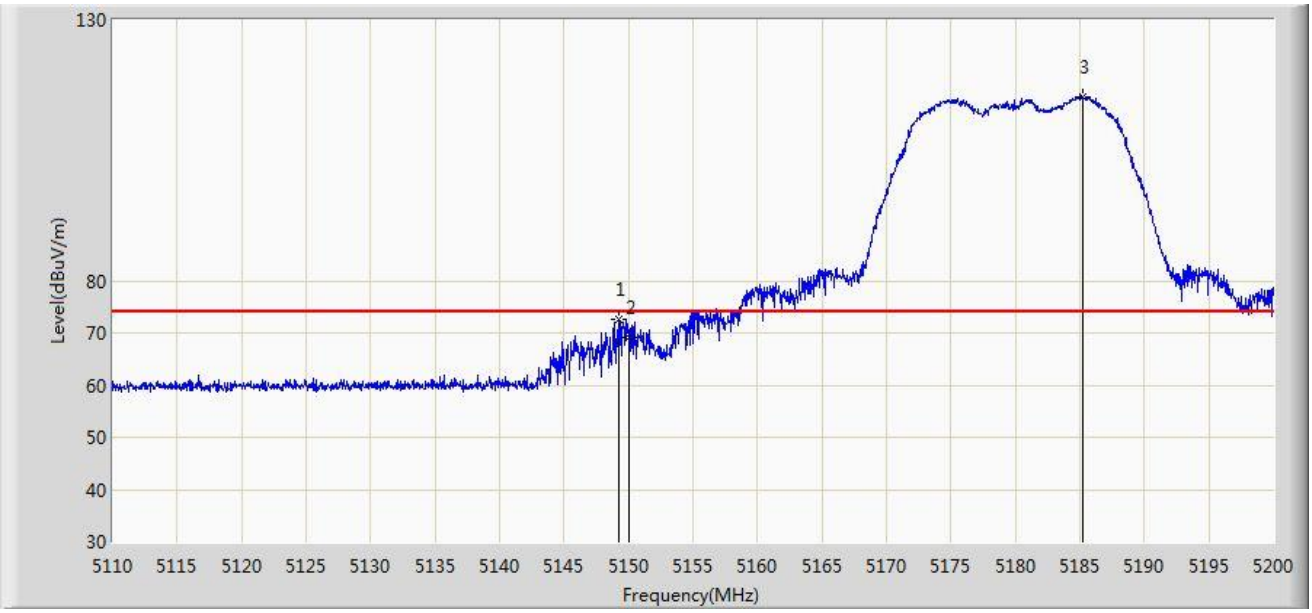


No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	46.801	42.925	-7.199	54.000	3.876	AV
2	*	5178.130	91.649	87.749	N/A	N/A	3.900	AV

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

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

Site: AC1	Time: 2019/06/28 - 22:32
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA 9120D_1-18GHz	Polarity: Vertical
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11 a at channel 5180MHz Ant 0 + 1	

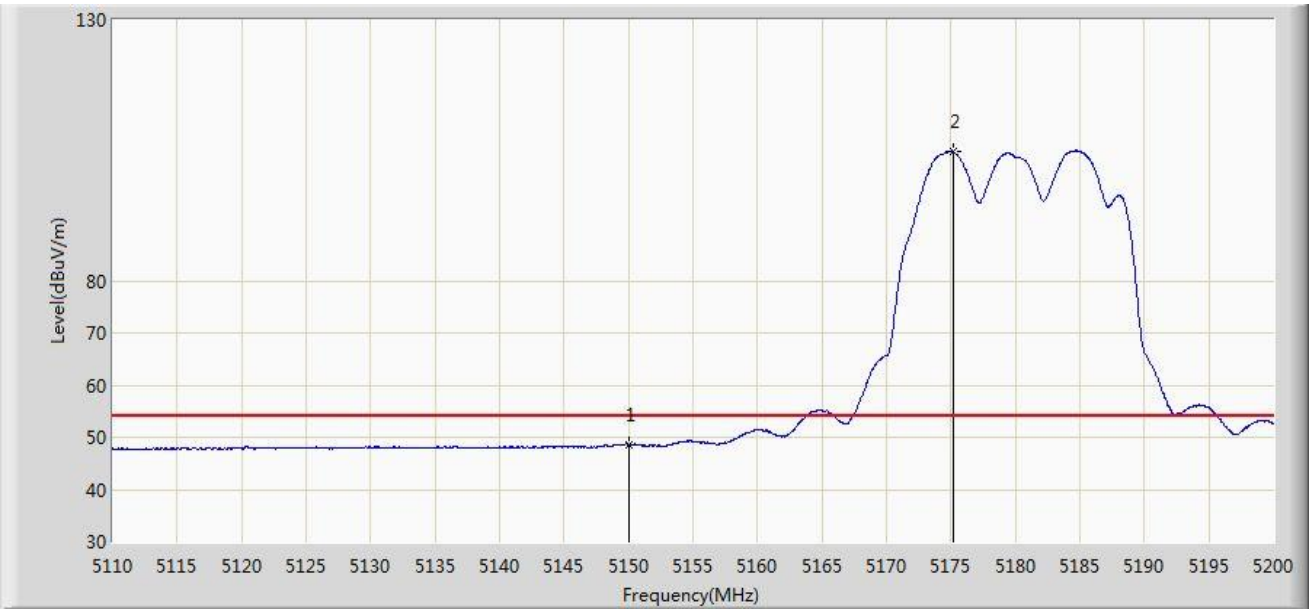


No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5149.195	72.481	68.606	-1.519	74.000	3.875	PK
2		5150.000	69.176	65.300	-4.824	74.000	3.876	PK
3	*	5185.240	115.287	111.381	N/A	N/A	3.906	PK

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

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

Site: AC1	Time: 2019/06/28 - 22:34
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA 9120D_1-18GHz	Polarity: Vertical
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11 a at channel 5180MHz Ant 0 + 1	

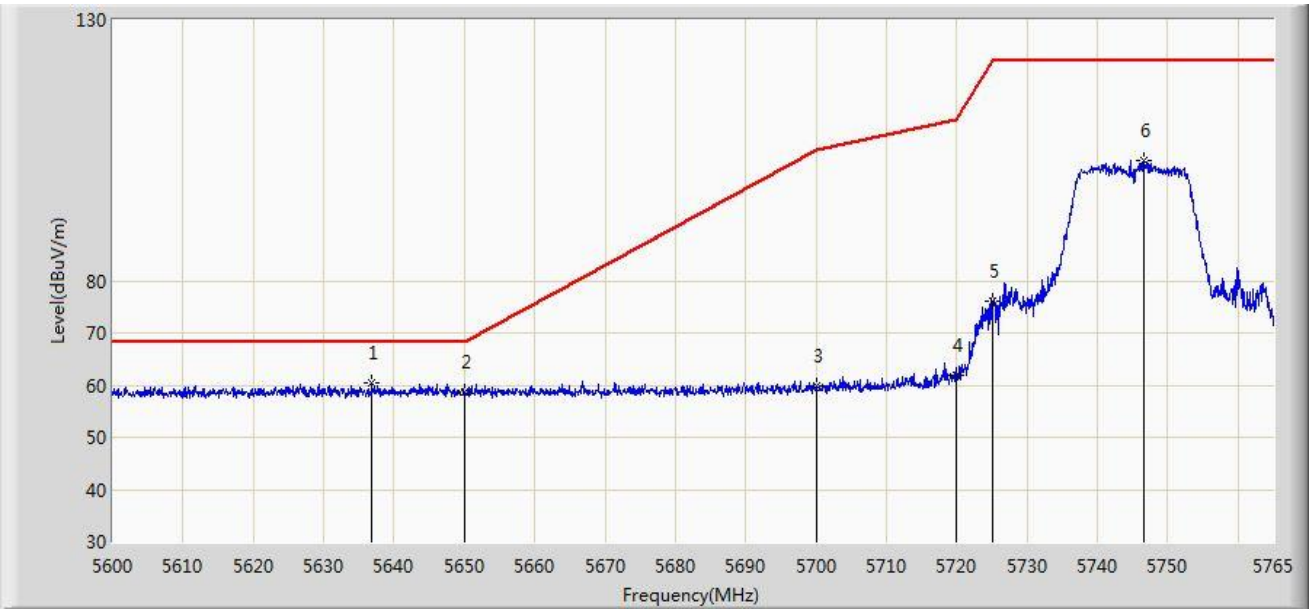


No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	48.519	44.643	-5.481	54.000	3.876	AV
2	*	5175.160	104.773	100.876	N/A	N/A	3.897	AV

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

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

Site: AC1	Time: 2019/06/28 - 22:56
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Kevin Ker
Probe: BBHA 9120D_1-18GHz	Polarity: Horizontal
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11 a at channel 5745MHz Ant 0 + 1	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5636.877	60.571	55.875	-7.629	68.200	4.695	PK
2		5650.000	58.787	54.041	-9.413	68.200	4.746	PK
3		5700.000	59.778	54.840	-45.422	105.200	4.938	PK
4		5720.000	62.018	57.003	-48.782	110.800	5.015	PK
5		5725.000	75.977	70.943	-46.223	122.200	5.034	PK
6		5746.685	103.047	97.930	N/A	N/A	5.117	PK

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

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