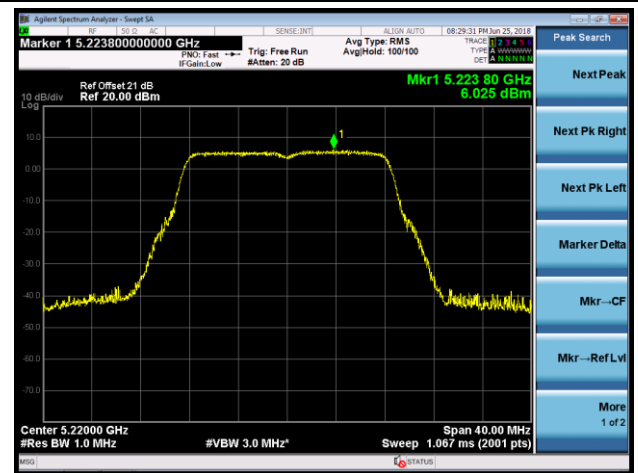


802.11a Power Spectral Density - Ant 2 / Ant 0 + 1 + 2 + 3

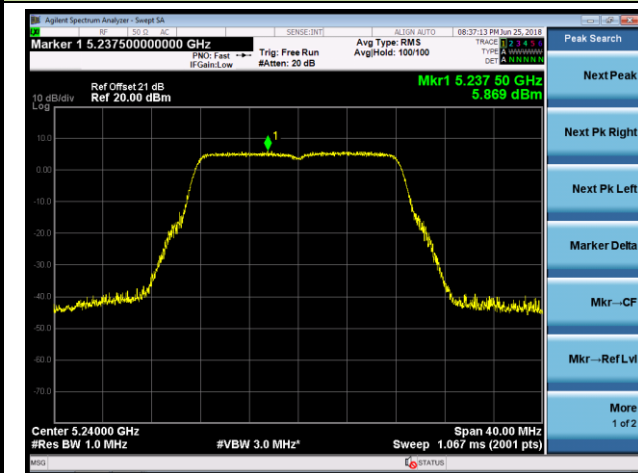
Channel 36 (5180MHz)



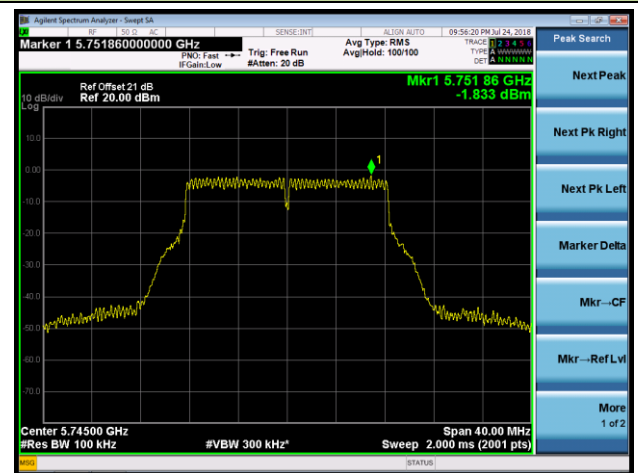
Channel 44 (5220MHz)



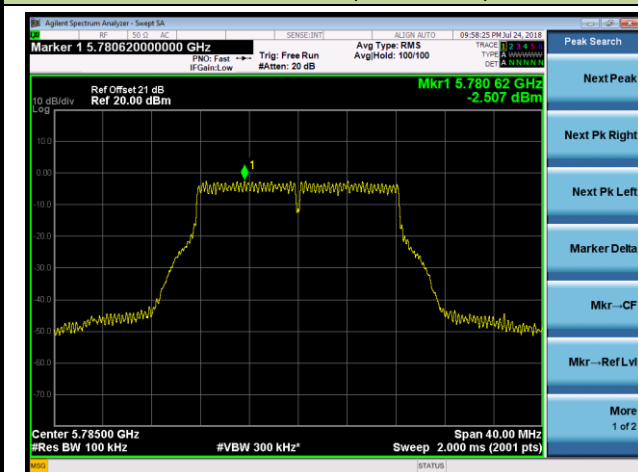
Channel 48 (5240MHz)



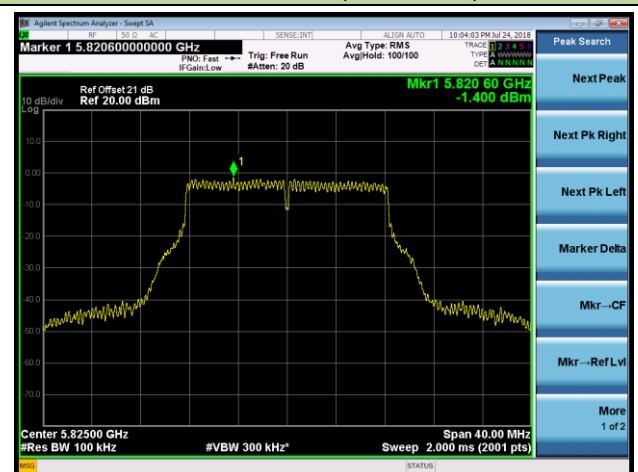
Channel 149 (5745MHz)



Channel 157 (5785MHz)

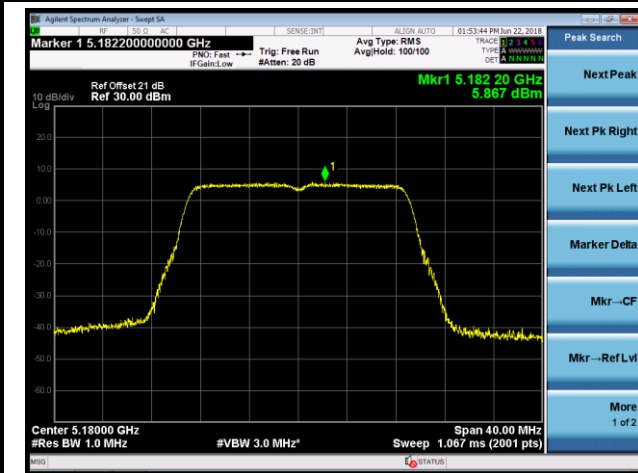


Channel 165 (5825MHz)

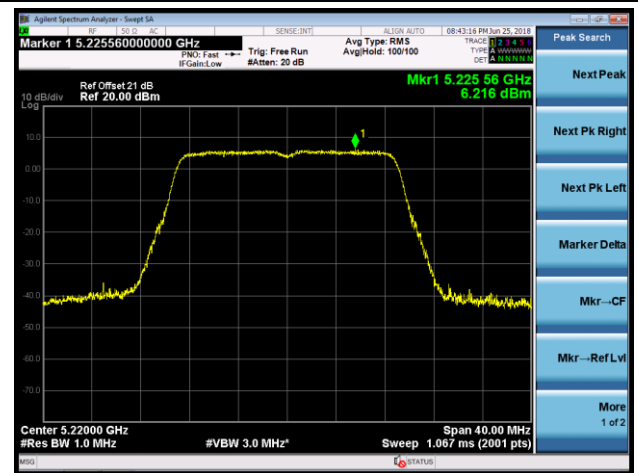


802.11ac-VHT20 Power Spectral Density - Ant 2 / Ant 0 + 1 + 2 + 3

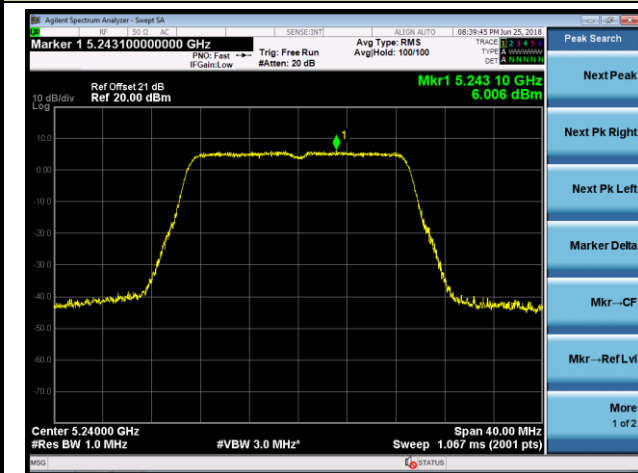
Channel 36 (5180MHz)



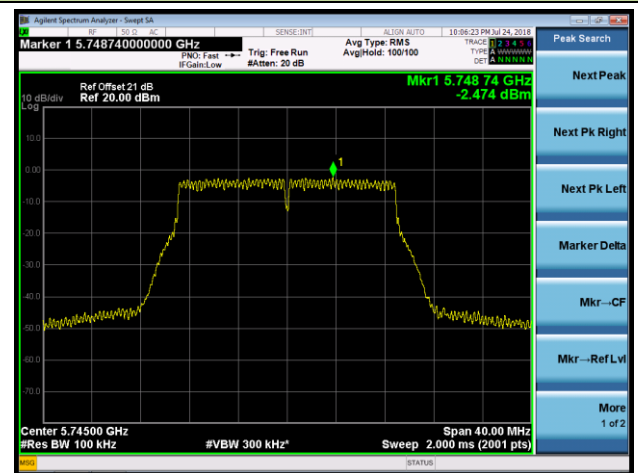
Channel 44 (5220MHz)



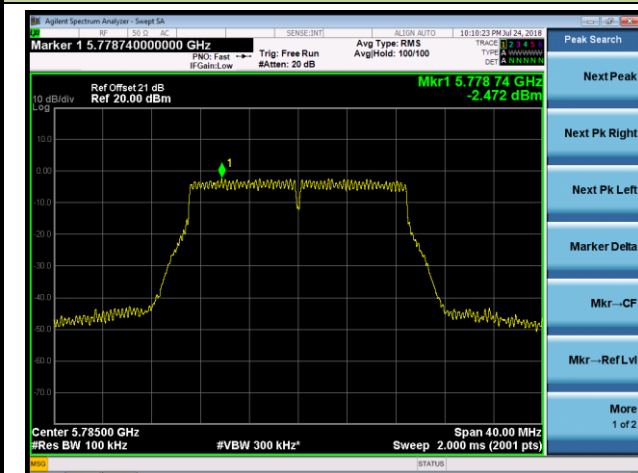
Channel 48 (5240MHz)



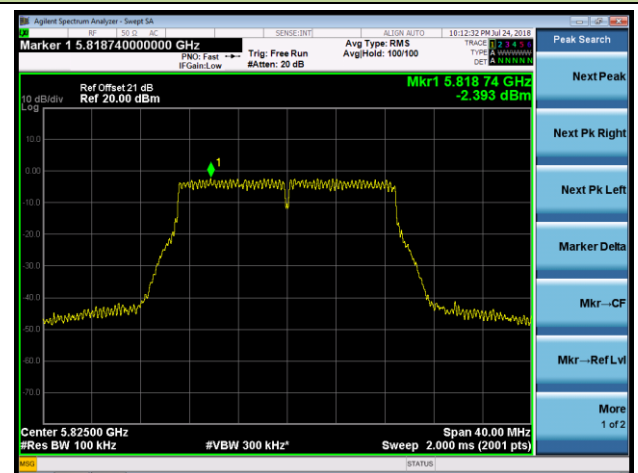
Channel 149 (5745MHz)



Channel 157 (5785MHz)

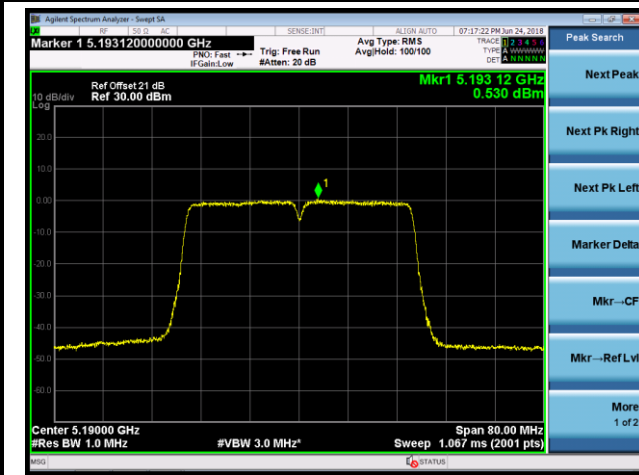


Channel 165 (5825MHz)

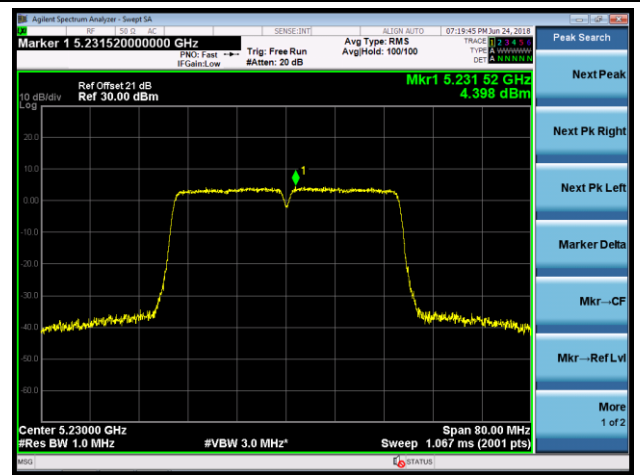


802.11ac-VHT40 Power Spectral Density - Ant 2 / Ant 0 + 1 + 2 + 3

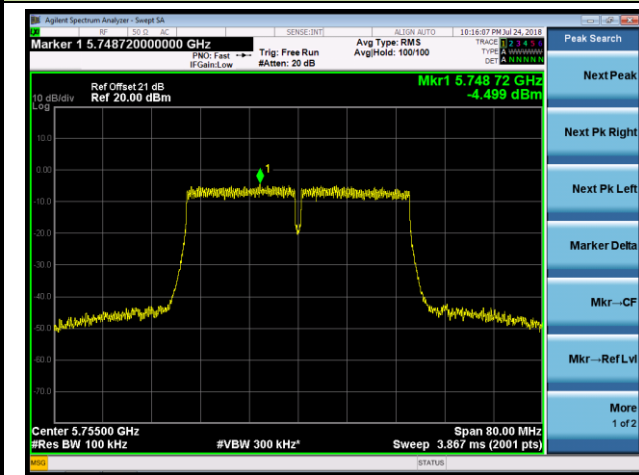
Channel 38 (5190MHz)



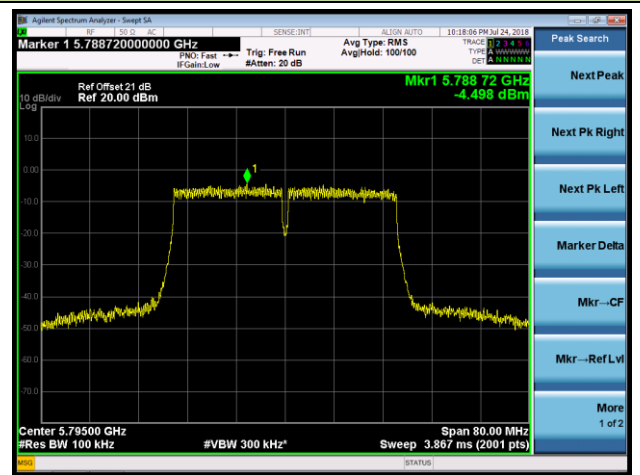
Channel 46 (5230MHz)



Channel 151 (5755MHz)

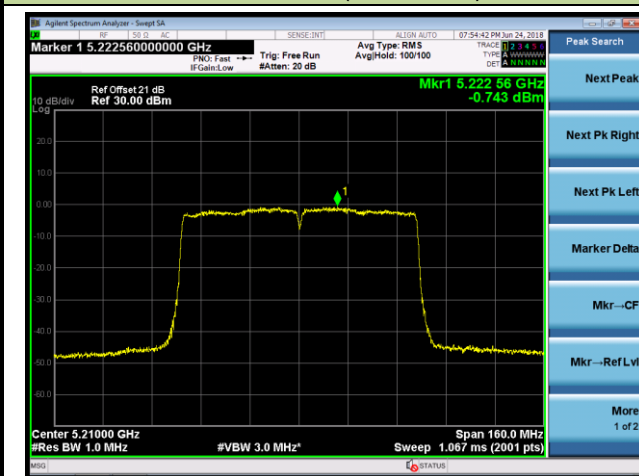


Channel 159 (5795MHz)

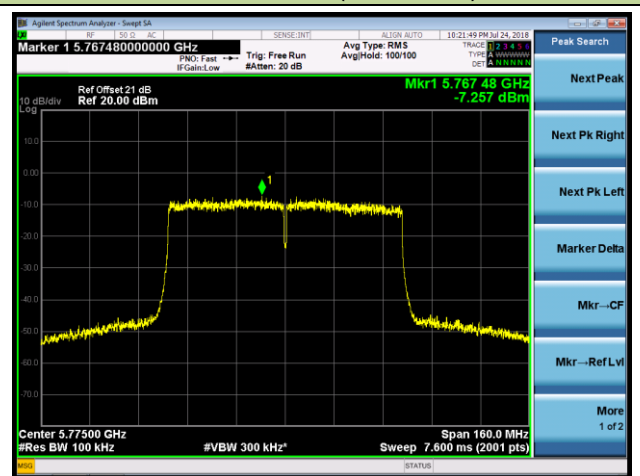


802.11ac-VHT80 Power Spectral Density - Ant 2 / Ant 0 + 1 + 2 + 3

Channel 42 (5210MHz)

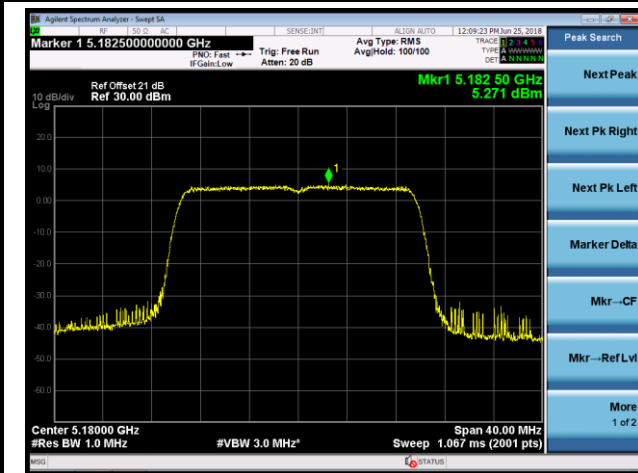


Channel 155 (5775MHz)

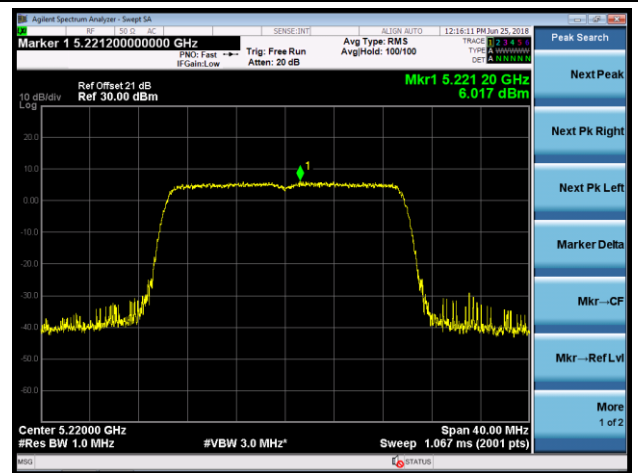


802.11ax-HE20 Power Spectral Density - Ant 2 / Ant 0 + 1 + 2 + 3

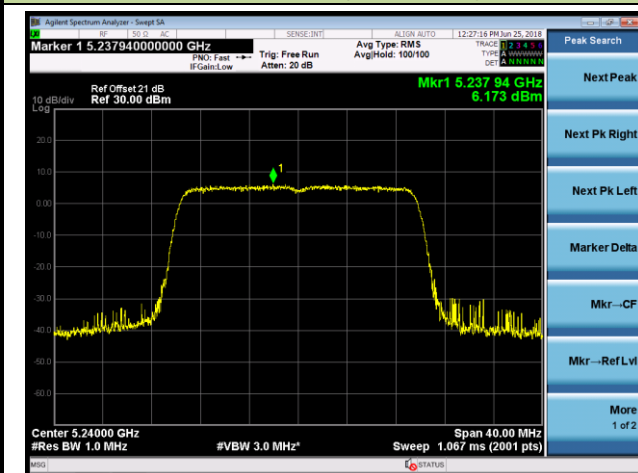
Channel 36 (5180MHz)



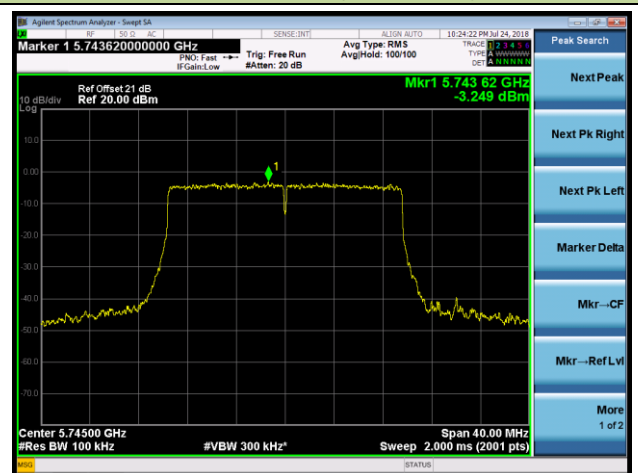
Channel 44 (5220MHz)



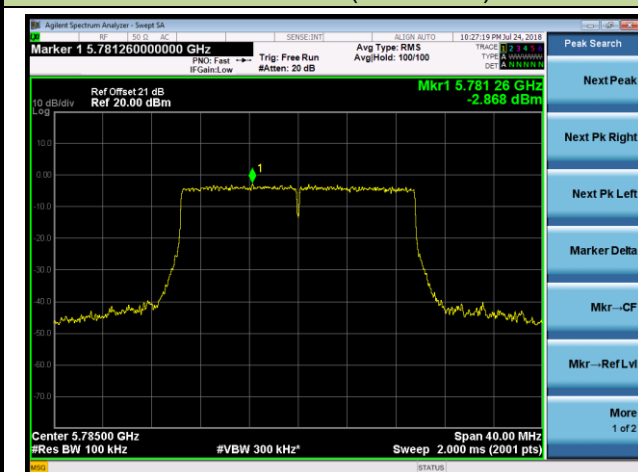
Channel 48 (5240MHz)



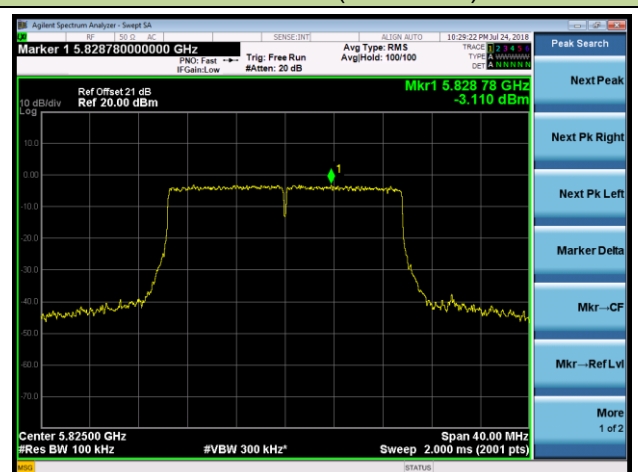
Channel 149 (5745MHz)



Channel 157 (5785MHz)

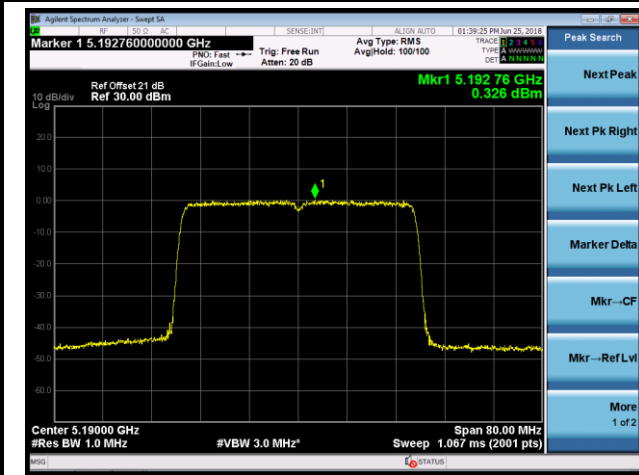


Channel 165 (5825MHz)

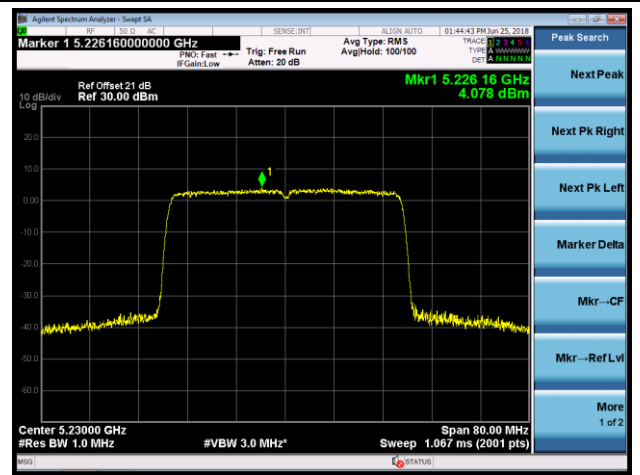


802.11ax-HE40 Power Spectral Density - Ant 2 / Ant 0 + 1 + 2 + 3

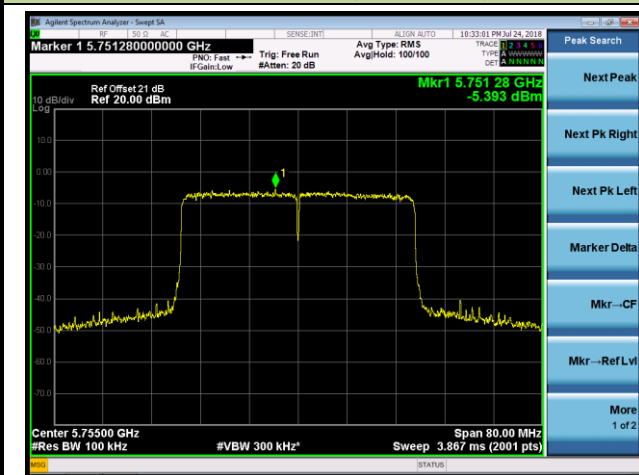
Channel 38 (5190MHz)



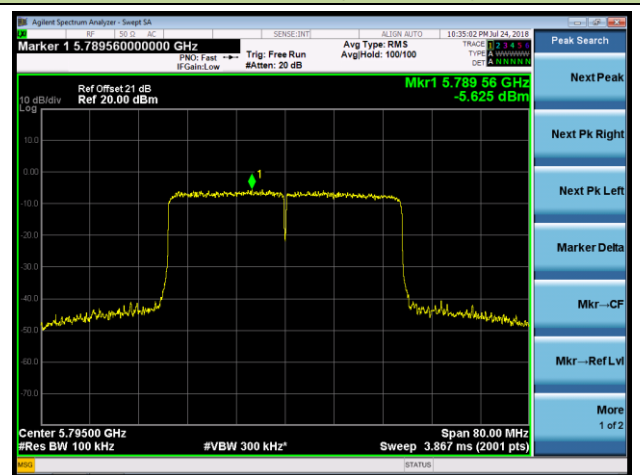
Channel 46 (5230MHz)



Channel 151 (5755MHz)

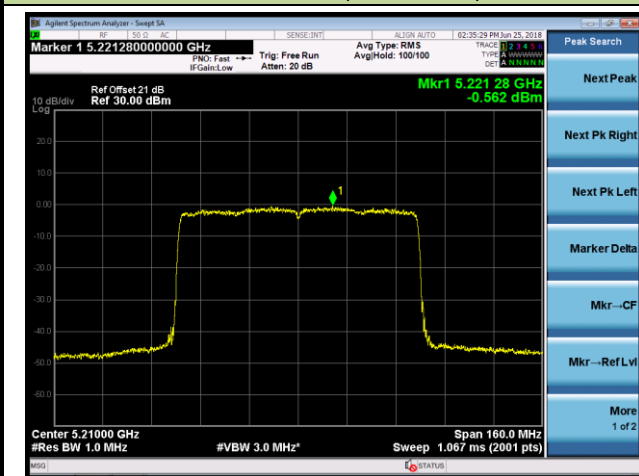


Channel 159 (5795MHz)

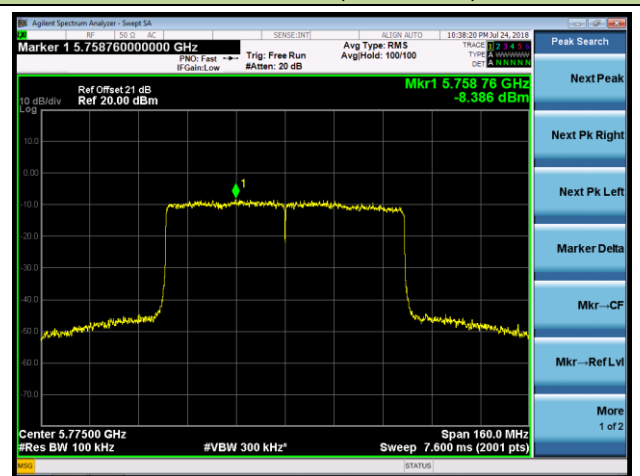


802.11ax-HE80 Power Spectral Density - Ant 2 / Ant 0 + 1 + 2 + 3

Channel 42 (5210MHz)

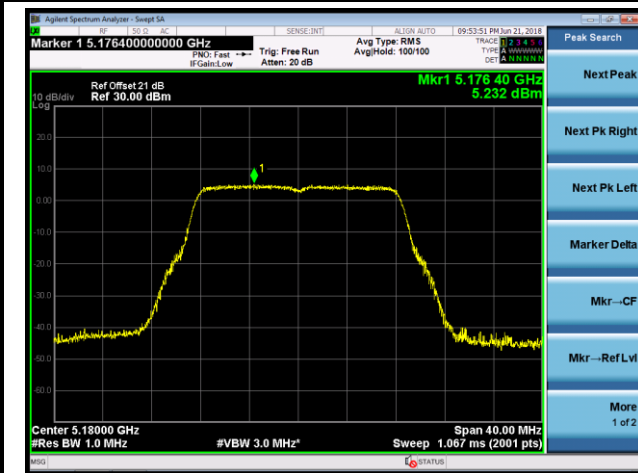


Channel 155 (5775MHz)

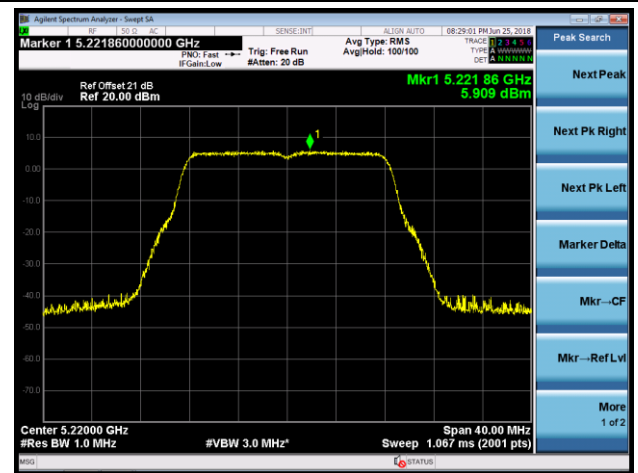


802.11a Power Spectral Density - Ant 3 / Ant 0 + 1 + 2 + 3

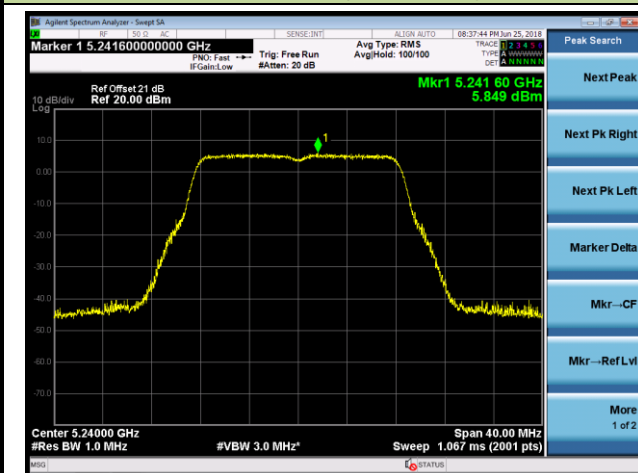
Channel 36 (5180MHz)



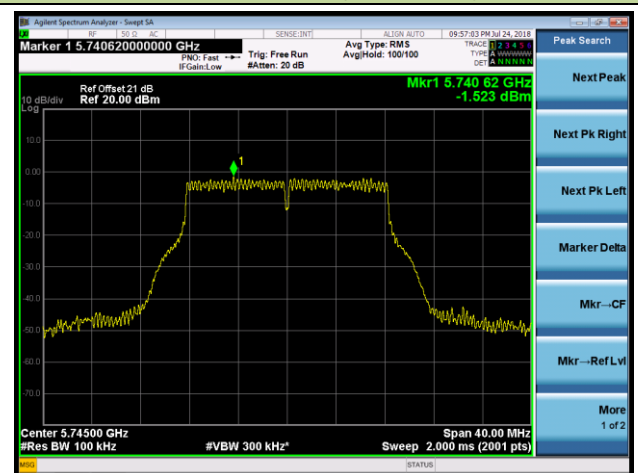
Channel 44 (5220MHz)



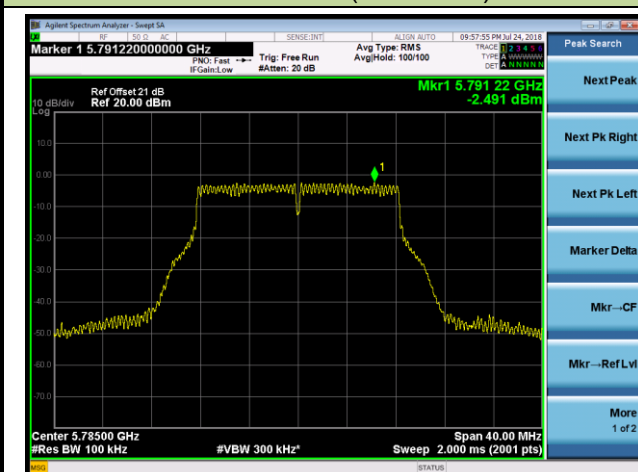
Channel 48 (5240MHz)



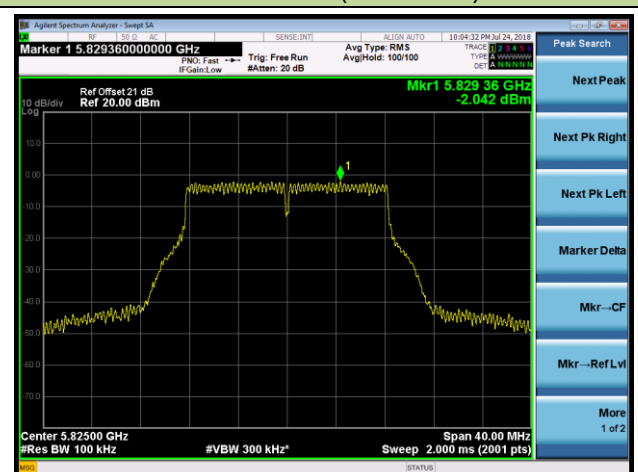
Channel 149 (5745MHz)



Channel 157 (5785MHz)

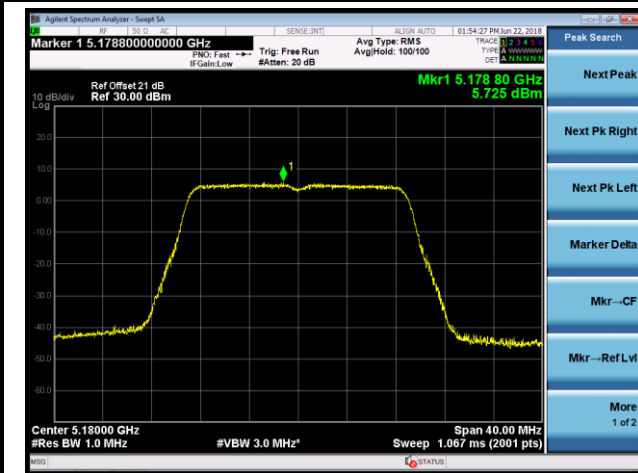


Channel 165 (5825MHz)

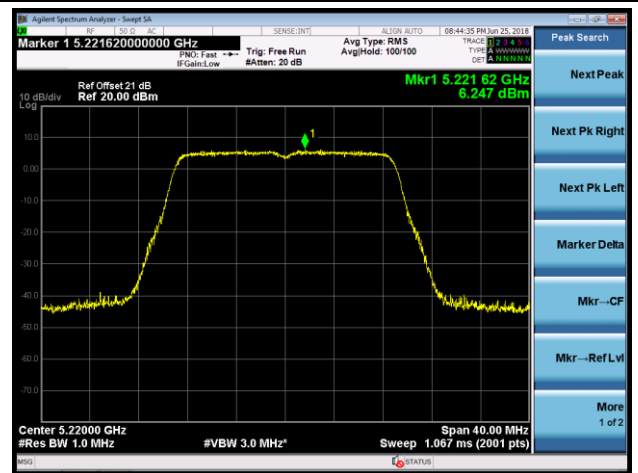


802.11ac-VHT20 Power Spectral Density - Ant 3 / Ant 0 + 1 + 2 + 3

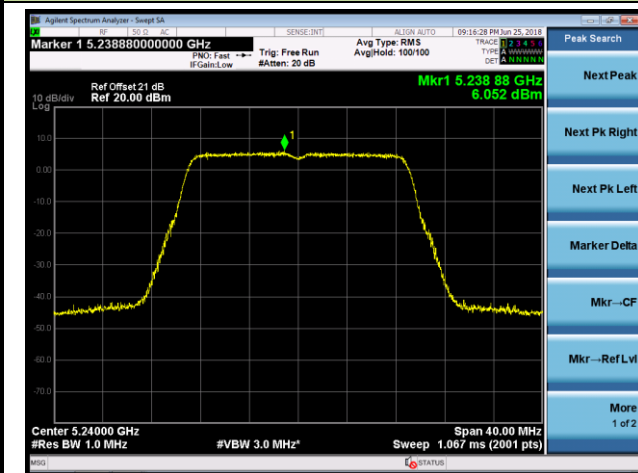
Channel 36 (5180MHz)



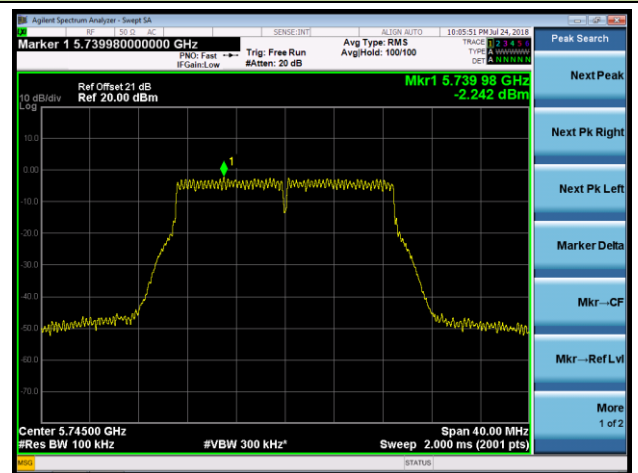
Channel 44 (5220MHz)



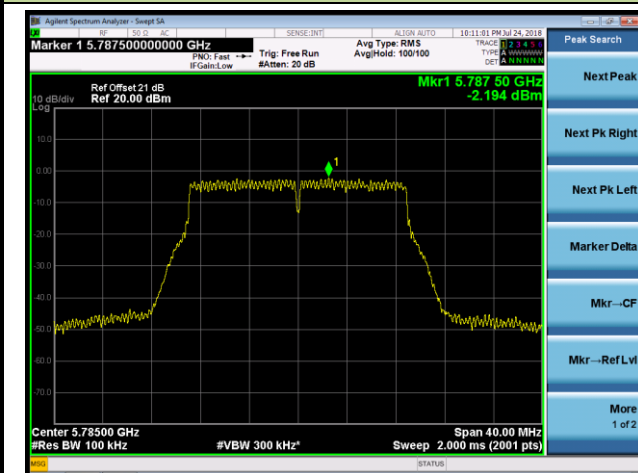
Channel 48 (5240MHz)



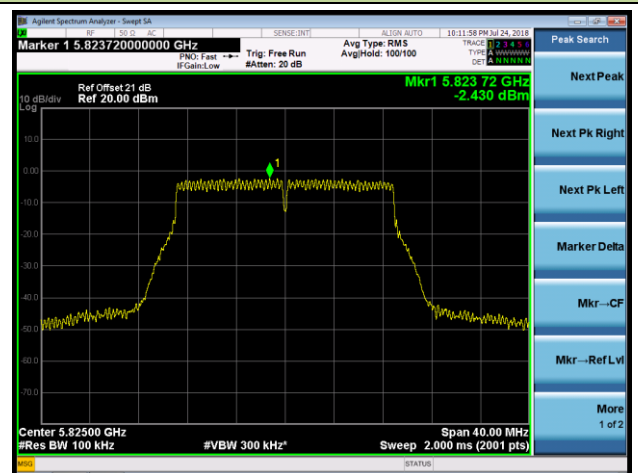
Channel 149 (5745MHz)



Channel 157 (5785MHz)

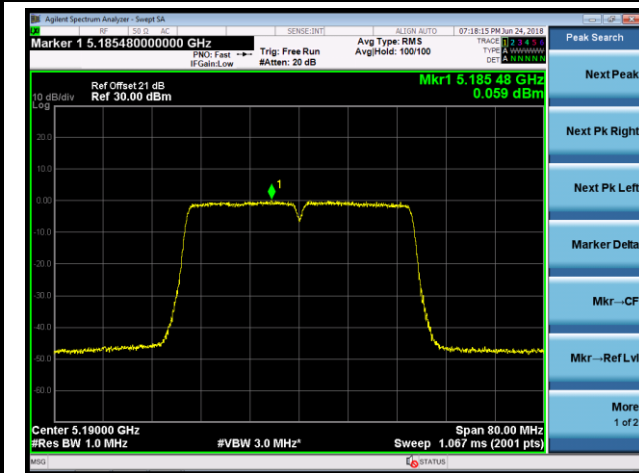


Channel 165 (5825MHz)

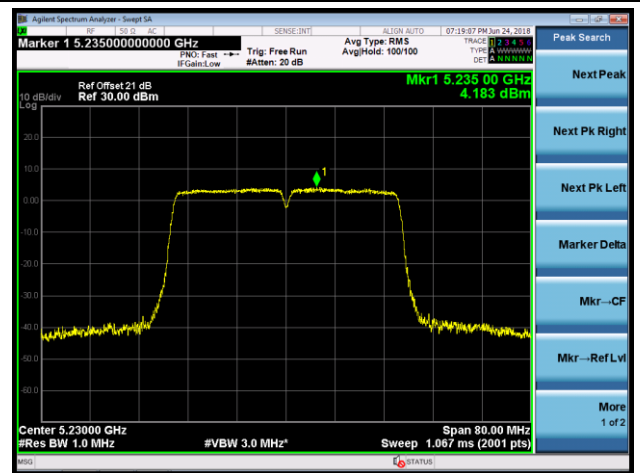


802.11ac-VHT40 Power Spectral Density - Ant 3 / Ant 0 + 1 + 2 + 3

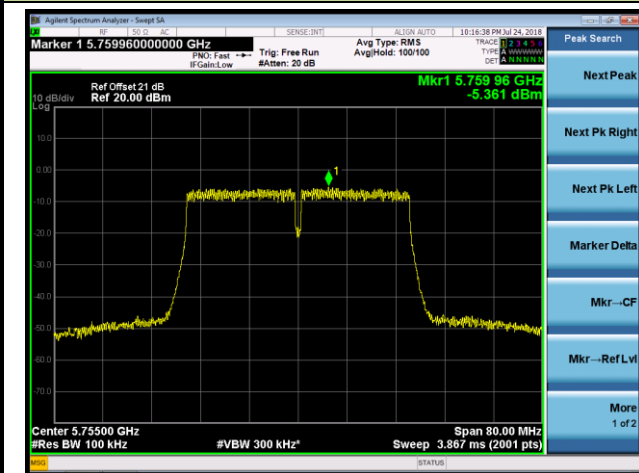
Channel 38 (5190MHz)



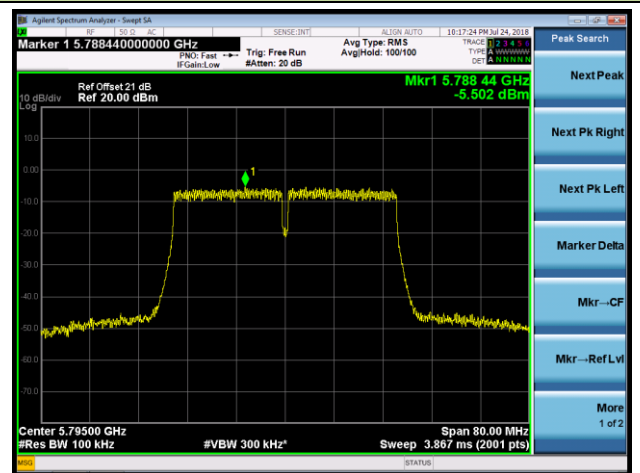
Channel 46 (5230MHz)



Channel 151 (5755MHz)

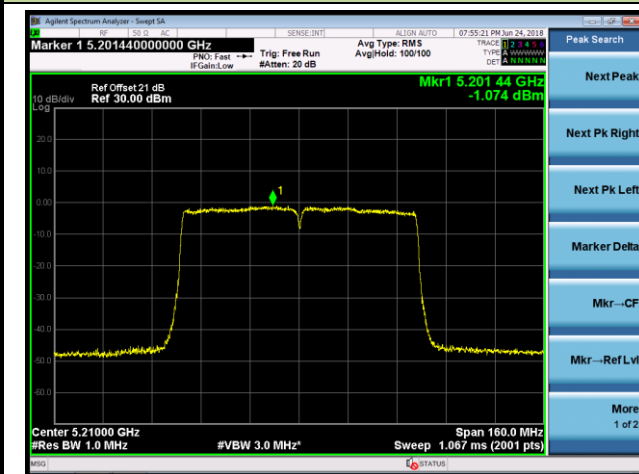


Channel 159 (5795MHz)

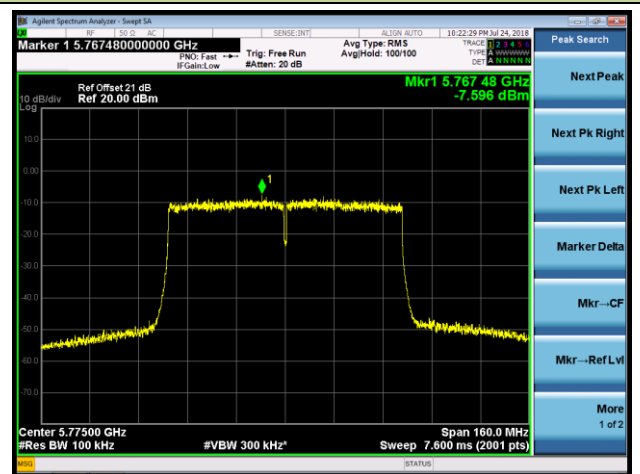


802.11ac-VHT80 Power Spectral Density - Ant 3 / Ant 0 + 1 + 2 + 3

Channel 42 (5210MHz)

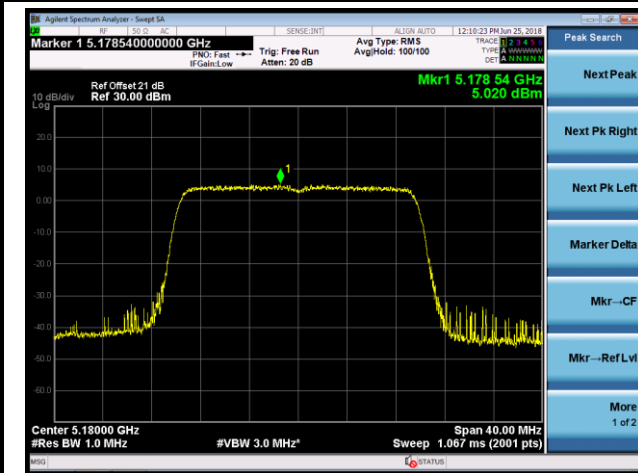


Channel 155 (5775MHz)

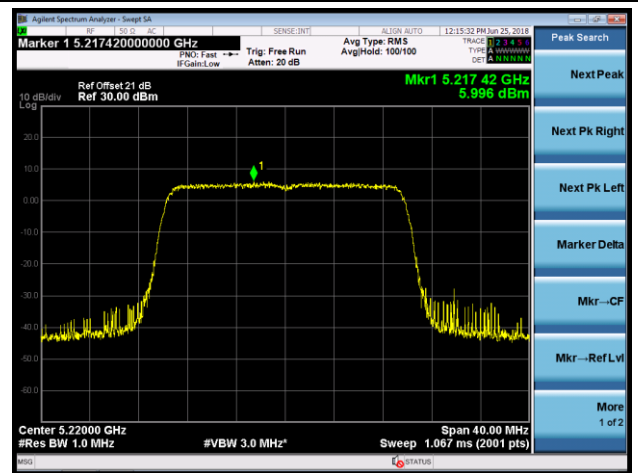


802.11ax-HE20 Power Spectral Density - Ant 3 / Ant 0 + 1 + 2 + 3

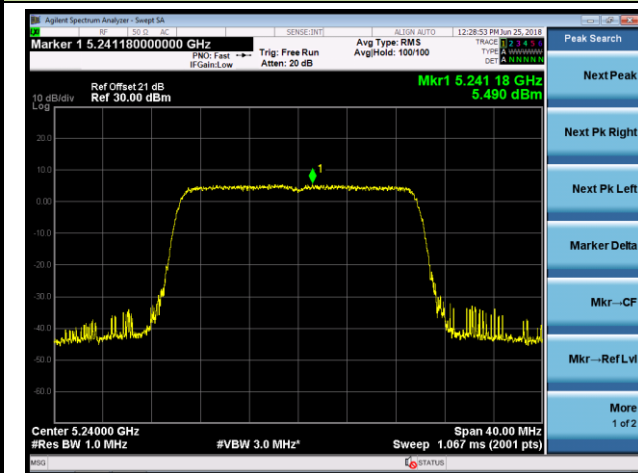
Channel 36 (5180MHz)



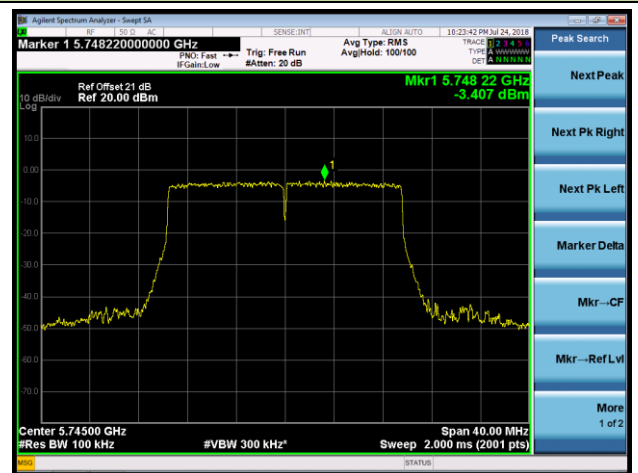
Channel 44 (5220MHz)



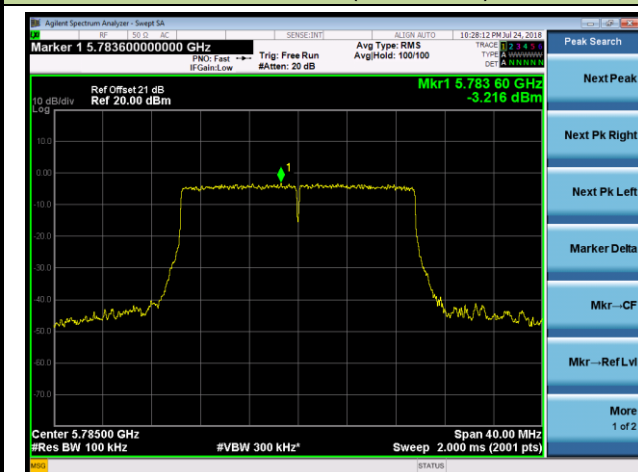
Channel 48 (5240MHz)



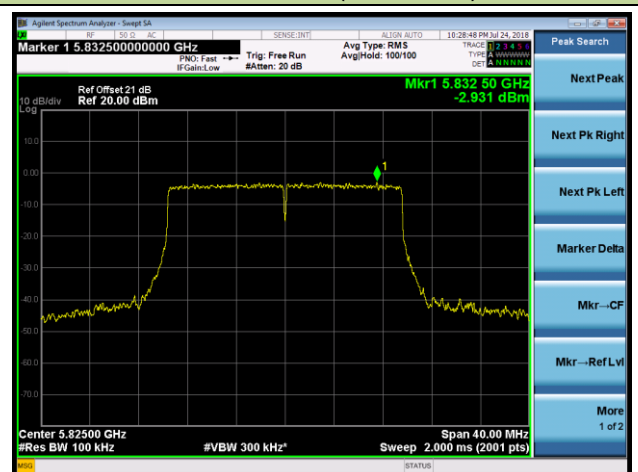
Channel 149 (5745MHz)



Channel 157 (5785MHz)

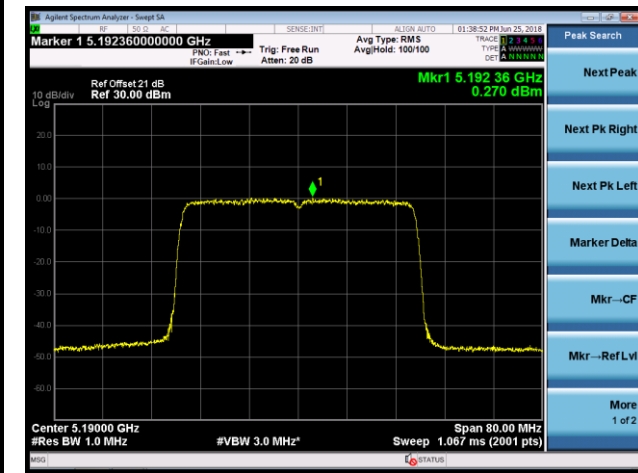


Channel 165 (5825MHz)

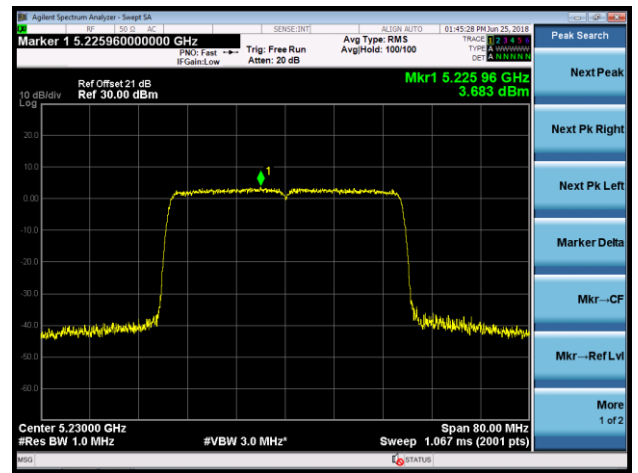


802.11ax-HE40 Power Spectral Density - Ant 3 / Ant 0 + 1 + 2 + 3

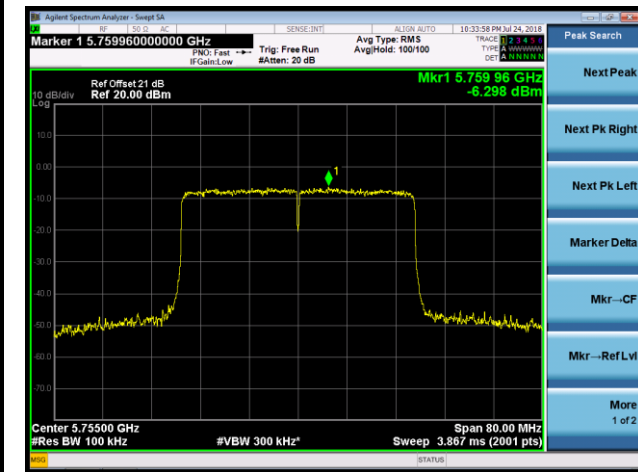
Channel 38 (5190MHz)



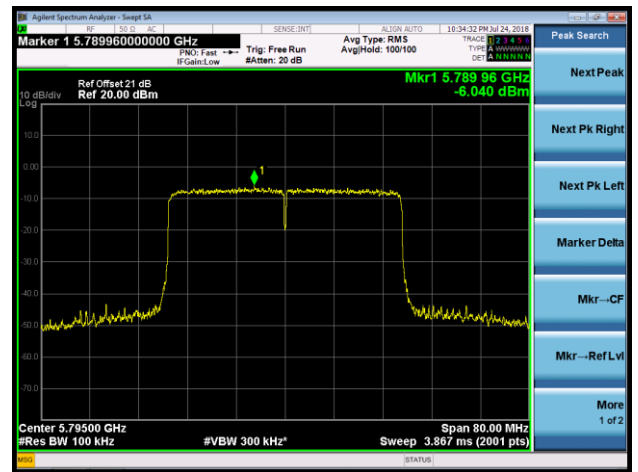
Channel 46 (5230MHz)



Channel 151 (5755MHz)

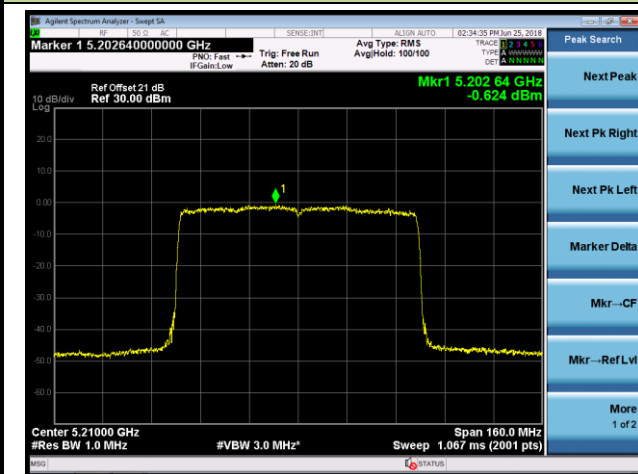


Channel 159 (5795MHz)

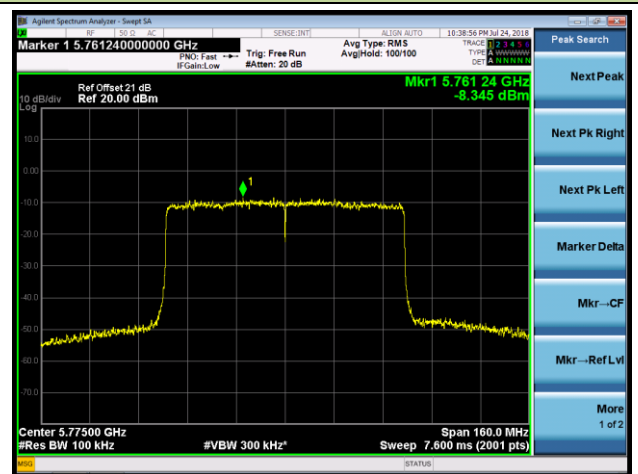


802.11ax-HE80 Power Spectral Density - Ant 3 / Ant 0 + 1 + 2 + 3

Channel 42 (5210MHz)



Channel 155 (5775MHz)



7.7. Frequency Stability Measurement

7.7.1. Test Limit

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

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

7.7.2. Test Procedure Used

Frequency Stability Under Temperature Variations:

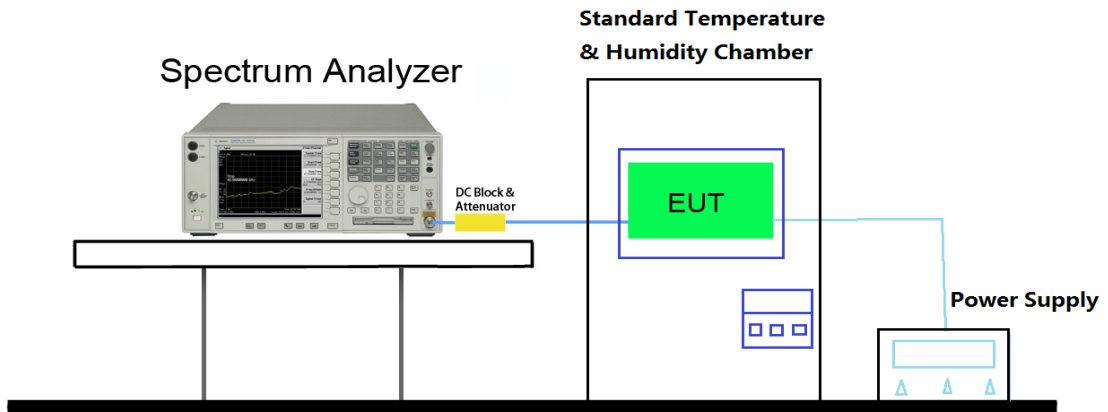
The equipment under test was connected to an external AC or DC power supply and input rated voltage. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators. The EUT was placed inside the temperature chamber. Set the spectrum analyzer RBW low enough to obtain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

Frequency Stability Under Voltage Variations:

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

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

7.7.3. Test Setup



7.7.4. Test Result

Test Engineer	Kevin Ker	Temperature	-30 ~ 50°C
Test Time	2018/06/27	Relative Humidity	48 ~ 55%RH
Test Mode	5180MHz (Carrier Mode)	Test Site	SR2

Voltage (%)	Power (VAC)	Temp (°C)	Frequency Tolerance (ppm)
100%	120	- 30	-3.45
		- 20	-3.65
		- 10	-3.81
		0	-4.02
		+ 10	-4.19
		+ 20 (Ref)	-4.81
		+ 30	-4.92
		+ 40	-4.97
		+ 50	-5.07
115%	138	+ 20	-4.67
85%	102	+ 20	-4.92

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

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

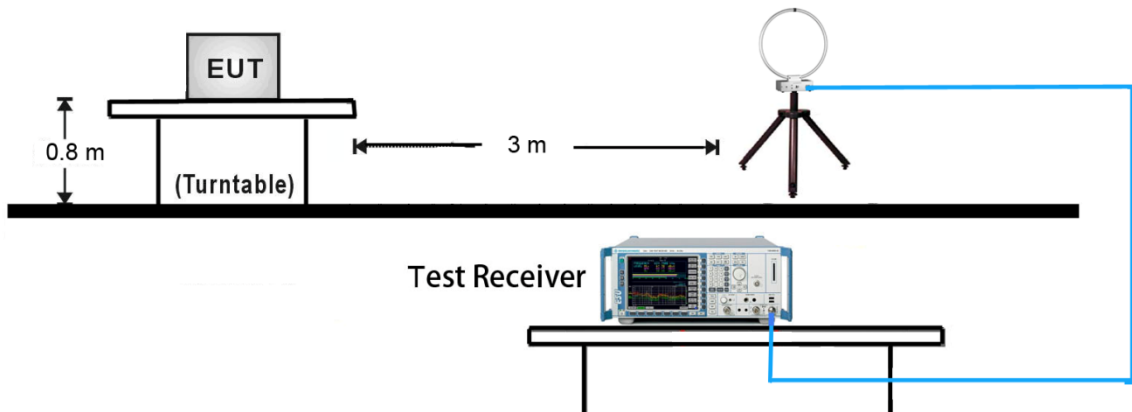
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

Average Measurements above 1GHz (Method VB)

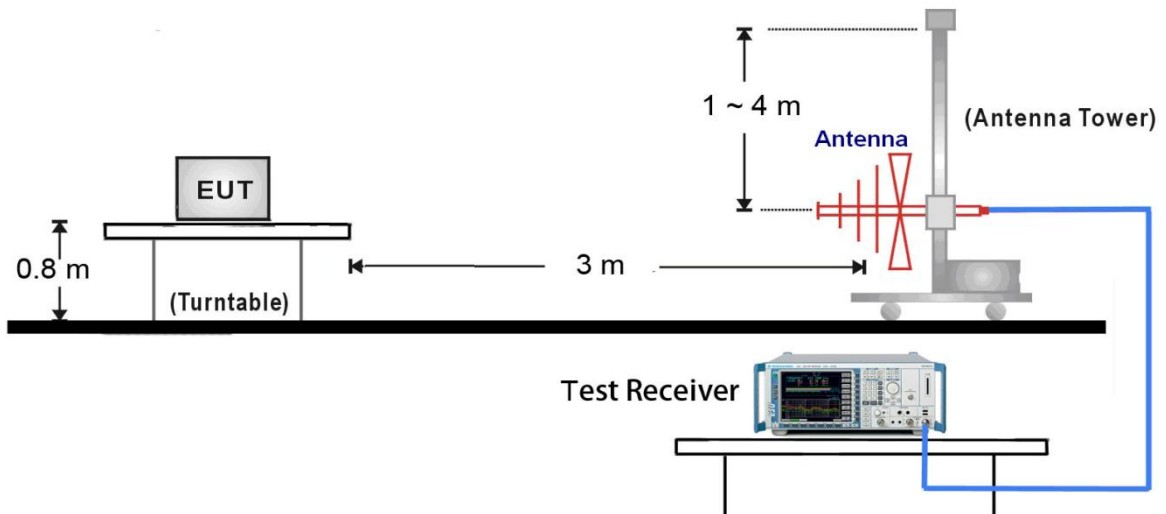
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW; If the EUT is configured to transmit with duty cycle $\geq 98\%$, set VBW = 10 Hz.
If the EUT duty cycle is $< 98\%$, set VBW $\geq 1/T$. T is the minimum transmission duration.
4.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

7.8.4. Test Setup

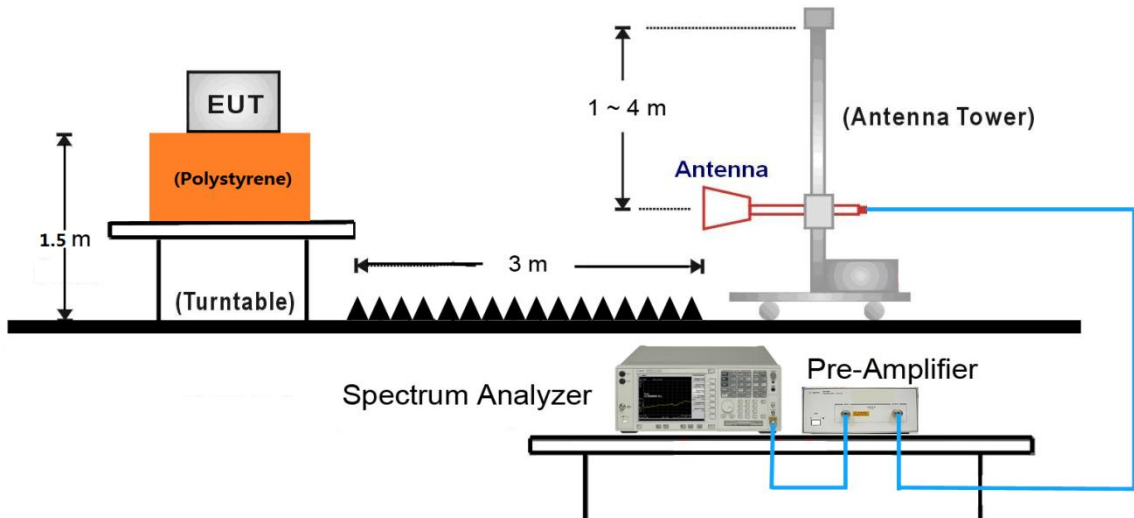
9kHz ~30MHz Test Setup:



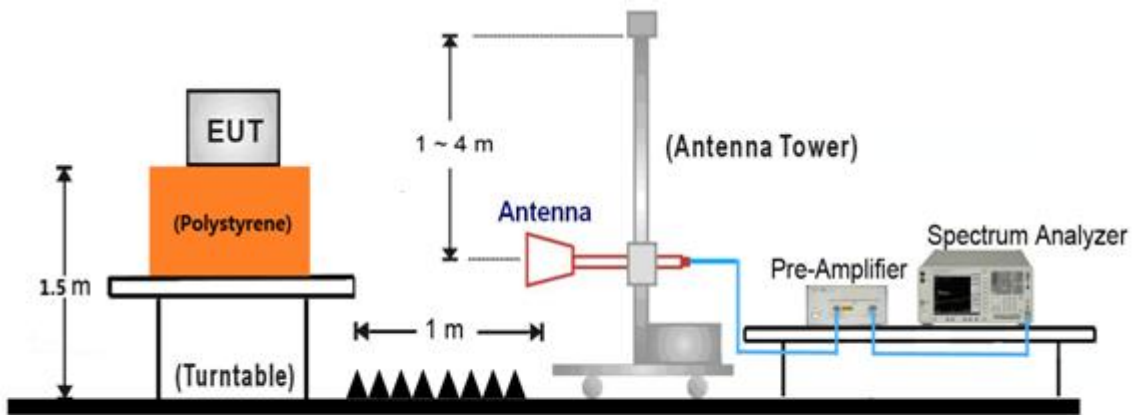
30MHz ~ 1GHz Test Setup:



1GHz ~18GHz Test Setup:



18GHz ~40GHz Test Setup:



This item was performed with the WIFI antenna connected.

7.8.5. Test Result

For APIN0514 - Omni Antenna (AP-ANT-20W)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/24
Test Mode:	802.11a - Ant 0 + 1 + 2 + 3	Test Channel:	36
Remark:	<ol style="list-style-type: none"> 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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	7426.0	36.5	12.7	49.2	54.0	-4.8	Peak	Horizontal
	8148.5	37.7	12.1	49.8	54.0	-4.2	Peak	Horizontal
*	8811.5	36.0	14.0	50.0	68.2	-18.2	Peak	Horizontal
*	10163.0	36.1	16.0	52.1	68.2	-16.1	Peak	Horizontal
	7596.0	33.9	12.7	46.6	54.0	-7.4	Peak	Vertical
	8242.0	35.8	11.9	47.7	54.0	-6.3	Peak	Vertical
*	8709.5	34.1	13.8	47.9	68.2	-20.3	Peak	Vertical
*	9823.0	34.2	15.6	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 dB μ V/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/24
Test Mode:	802.11a - Ant 0 + 1 + 2 + 3	Test Channel:	44
Remark:	<ol style="list-style-type: none"> 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. Other frequency was 20dB below limit line within 1-18GHz, there is 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	35.6	12.8	48.4	54.0	-5.6	Peak	Horizontal
	8148.5	38.2	12.1	50.3	54.0	-3.7	Peak	Horizontal
*	8828.5	35.3	14.0	49.3	68.2	-18.9	Peak	Horizontal
*	9814.5	35.9	15.4	51.3	68.2	-16.9	Peak	Horizontal
	7536.5	34.8	12.8	47.6	54.0	-6.4	Peak	Vertical
	8344.0	35.9	12.0	47.9	54.0	-6.1	Peak	Vertical
*	8845.5	33.7	14.0	47.7	68.2	-20.5	Peak	Vertical
*	9814.5	34.2	15.4	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	2018/06/24
Test Mode:	802.11a - Ant 0 + 1 + 2 + 3	Test Channel:	48
Remark:	<ol style="list-style-type: none"> 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. Other frequency was 20dB below limit line within 1-18GHz, there is 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	12.8	47.1	54.0	-6.9	Peak	Horizontal
	8293.0	35.1	11.9	47.0	54.0	-7.0	Peak	Horizontal
*	8692.5	33.6	13.7	47.3	68.2	-20.9	Peak	Horizontal
*	9857.0	33.2	16.2	49.4	68.2	-18.8	Peak	Horizontal
	7494.0	36.0	12.8	48.8	54.0	-5.2	Peak	Vertical
	8310.0	36.3	11.9	48.2	54.0	-5.8	Peak	Vertical
*	8692.5	33.1	13.7	46.8	68.2	-21.4	Peak	Vertical
*	9721.0	34.1	14.7	48.8	68.2	-19.4	Peak	Vertical

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

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

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

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/24
Test Mode:	802.11a - Ant 0 + 1 + 2 + 3	Test Channel:	149
Remark:	<ol style="list-style-type: none"> 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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	7536.5	35.0	12.8	47.8	54.0	-6.2	Peak	Horizontal
	8199.5	36.3	12.0	48.3	54.0	-5.7	Peak	Horizontal
*	8794.5	33.9	13.9	47.8	68.2	-20.4	Peak	Horizontal
*	9814.5	33.8	15.4	49.2	68.2	-19.0	Peak	Horizontal
	7434.5	34.8	12.7	47.5	54.0	-6.5	Peak	Vertical
	8199.5	35.7	12.0	47.7	54.0	-6.3	Peak	Vertical
*	8658.5	33.0	13.6	46.6	68.2	-21.6	Peak	Vertical
*	9636.0	34.6	14.4	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 dB μ V/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/24
Test Mode:	802.11a - Ant 0 + 1 + 2 + 3	Test Channel:	157
Remark:	<ol style="list-style-type: none"> 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	34.5	12.6	47.1	54.0	-6.9	Peak	Horizontal
	8310.0	34.9	11.9	46.8	54.0	-7.2	Peak	Horizontal
*	8658.5	32.9	13.6	46.5	68.2	-21.7	Peak	Horizontal
*	9772.0	33.5	14.9	48.4	68.2	-19.8	Peak	Horizontal
	7570.5	36.1	12.8	48.9	54.0	-5.1	Peak	Vertical
	8335.5	36.0	11.9	47.9	54.0	-6.1	Peak	Vertical
*	8692.5	33.1	13.7	46.8	68.2	-21.4	Peak	Vertical
*	9772.0	33.5	14.9	48.4	68.2	-19.8	Peak	Vertical

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

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

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

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/24
Test Mode:	802.11a - Ant 0 + 1 + 2 + 3	Test Channel:	165
Remark:	<ol style="list-style-type: none"> 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	36.2	12.8	49.0	54.0	-5.0	Peak	Horizontal
	8276.0	35.2	11.9	47.1	54.0	-6.9	Peak	Horizontal
*	8616.0	32.2	13.5	45.7	68.2	-22.5	Peak	Horizontal
*	9678.5	33.0	14.6	47.6	68.2	-20.6	Peak	Horizontal
	7434.5	34.6	12.7	47.3	54.0	-6.7	Peak	Vertical
	8310.0	36.1	11.9	48.0	54.0	-6.0	Peak	Vertical
*	8692.5	32.9	13.7	46.6	68.2	-21.6	Peak	Vertical
*	9636.0	33.9	14.4	48.3	68.2	-19.9	Peak	Vertical

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

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

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

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/24
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2 + 3	Test Channel:	36
Remark:	<ol style="list-style-type: none"> 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
	7604.5	33.6	12.7	46.3	54.0	-7.7	Peak	Horizontal
	8242.0	36.4	11.9	48.3	54.0	-5.7	Peak	Horizontal
*	8769.0	33.3	13.9	47.2	68.2	-21.0	Peak	Horizontal
*	9721.0	33.7	14.7	48.4	68.2	-19.8	Peak	Horizontal
	7366.5	33.6	12.5	46.1	54.0	-7.9	Peak	Vertical
	8199.5	35.1	12.0	47.1	54.0	-6.9	Peak	Vertical
*	8735.0	33.8	13.9	47.7	68.2	-20.5	Peak	Vertical
*	9721.0	34.0	14.7	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	2018/06/24
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2 + 3	Test Channel:	44
Remark:	<ol style="list-style-type: none"> 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	12.5	47.4	54.0	-6.6	Peak	Horizontal
	8284.5	35.8	11.9	47.7	54.0	-6.3	Peak	Horizontal
*	8658.5	33.0	13.6	46.6	68.2	-21.6	Peak	Horizontal
*	9721.0	34.0	14.7	48.7	68.2	-19.5	Peak	Horizontal
	7536.5	33.7	12.8	46.5	54.0	-7.5	Peak	Vertical
	8131.5	35.6	12.2	47.8	54.0	-6.2	Peak	Vertical
*	8658.5	32.9	13.6	46.5	68.2	-21.7	Peak	Vertical
*	9636.0	33.7	14.4	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	2018/06/24
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2 + 3	Test Channel:	48
Remark:	<ol style="list-style-type: none"> 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	34.5	12.8	47.3	54.0	-6.7	Peak	Horizontal
	8463.0	33.4	12.6	46.0	54.0	-8.0	Peak	Horizontal
*	8769.0	32.6	13.9	46.5	68.2	-21.7	Peak	Horizontal
*	9678.5	34.4	14.6	49.0	68.2	-19.2	Peak	Horizontal
	7604.5	33.9	12.7	46.6	54.0	-7.4	Peak	Vertical
	8386.5	33.8	12.1	45.9	54.0	-8.1	Peak	Vertical
*	8769.0	33.7	13.9	47.6	68.2	-20.6	Peak	Vertical
*	9721.0	33.9	14.7	48.6	68.2	-19.6	Peak	Vertical

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

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

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

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/24
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2 + 3	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
	7468.5	33.9	12.8	46.7	54.0	-7.3	Peak	Horizontal
	8199.5	34.4	12.0	46.4	54.0	-7.6	Peak	Horizontal
*	8735.0	31.9	13.9	45.8	68.2	-22.4	Peak	Horizontal
*	9678.5	34.1	14.6	48.7	68.2	-19.5	Peak	Horizontal
	7570.5	33.9	12.8	46.7	54.0	-7.3	Peak	Vertical
	8276.0	34.1	11.9	46.0	54.0	-8.0	Peak	Vertical
*	8854.0	33.1	14.0	47.1	68.2	-21.1	Peak	Vertical
*	9636.0	33.2	14.4	47.6	68.2	-20.6	Peak	Vertical

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

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

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

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/24
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2 + 3	Test Channel:	157
Remark:	<ol style="list-style-type: none"> 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	33.8	12.8	46.6	54.0	-7.4	Peak	Horizontal
	8199.5	35.4	12.0	47.4	54.0	-6.6	Peak	Horizontal
*	8735.0	33.8	13.9	47.7	68.2	-20.5	Peak	Horizontal
*	9678.5	33.9	14.6	48.5	68.2	-19.7	Peak	Horizontal
	7536.5	34.6	12.8	47.4	54.0	-6.6	Peak	Vertical
	8174.0	34.3	12.0	46.3	54.0	-7.7	Peak	Vertical
*	8769.0	31.6	13.9	45.5	68.2	-22.7	Peak	Vertical
*	9993.0	34.1	15.4	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	2018/06/24
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2 + 3	Test Channel:	165
Remark:	<ol style="list-style-type: none"> 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
	7536.5	33.6	12.8	46.4	54.0	-7.6	Peak	Horizontal
	8242.0	34.9	11.9	46.8	54.0	-7.2	Peak	Horizontal
*	8769.0	32.6	13.9	46.5	68.2	-21.7	Peak	Horizontal
*	10120.5	33.8	15.8	49.6	68.2	-18.6	Peak	Horizontal
	7570.5	34.0	12.8	46.8	54.0	-7.2	Peak	Vertical
	8242.0	35.3	11.9	47.2	54.0	-6.8	Peak	Vertical
*	8692.5	33.2	13.7	46.9	68.2	-21.3	Peak	Vertical
*	9678.5	33.4	14.6	48.0	68.2	-20.2	Peak	Vertical

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

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

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

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/24
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 + 2 + 3	Test Channel:	38
Remark:	<ol style="list-style-type: none"> 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	34.0	12.8	46.8	54.0	-7.2	Peak	Horizontal
	8199.5	35.0	12.0	47.0	54.0	-7.0	Peak	Horizontal
*	8616.0	33.7	13.5	47.2	68.2	-21.0	Peak	Horizontal
*	9636.0	34.2	14.4	48.6	68.2	-19.6	Peak	Horizontal
	7426.0	34.8	12.7	47.5	54.0	-6.5	Peak	Vertical
	8352.5	34.5	12.0	46.5	54.0	-7.5	Peak	Vertical
*	8692.5	32.4	13.7	46.1	68.2	-22.1	Peak	Vertical
*	10035.5	33.8	15.5	49.3	68.2	-18.9	Peak	Vertical

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

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

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

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/24
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 + 2 + 3	Test Channel:	46
Remark:	<ol style="list-style-type: none"> 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	32.8	12.7	45.5	54.0	-8.5	Peak	Horizontal
	8199.5	35.6	12.0	47.6	54.0	-6.4	Peak	Horizontal
*	8811.5	32.0	14.0	46.0	68.2	-22.2	Peak	Horizontal
*	9857.0	34.9	16.2	51.1	68.2	-17.1	Peak	Horizontal
	7366.5	35.2	12.5	47.7	54.0	-6.3	Peak	Vertical
	8352.5	33.8	12.0	45.8	54.0	-8.2	Peak	Vertical
*	8658.5	31.8	13.6	45.4	68.2	-22.8	Peak	Vertical
*	9593.5	32.6	14.4	47.0	68.2	-21.2	Peak	Vertical

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

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

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

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/24
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 + 2 + 3	Test Channel:	151
Remark:	<ol style="list-style-type: none"> 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	34.6	12.7	47.3	54.0	-6.7	Peak	Horizontal
	8242.0	36.1	11.9	48.0	54.0	-6.0	Peak	Horizontal
*	8616.0	33.5	13.5	47.0	68.2	-21.2	Peak	Horizontal
*	9636.0	33.5	14.4	47.9	68.2	-20.3	Peak	Horizontal
	7434.5	34.1	12.7	46.8	54.0	-7.2	Peak	Vertical
	8276.0	34.8	11.9	46.7	54.0	-7.3	Peak	Vertical
*	8811.5	32.7	14.0	46.7	68.2	-21.5	Peak	Vertical
*	9678.5	33.7	14.6	48.3	68.2	-19.9	Peak	Vertical

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

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

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

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/24
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 + 2 + 3	Test Channel:	159
Remark:	<ol style="list-style-type: none"> 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	34.4	12.6	47.0	54.0	-7.0	Peak	Horizontal
	8199.5	35.7	12.0	47.7	54.0	-6.3	Peak	Horizontal
*	8735.0	32.8	13.9	46.7	68.2	-21.5	Peak	Horizontal
*	9772.0	34.3	14.9	49.2	68.2	-19.0	Peak	Horizontal
	7604.5	34.9	12.7	47.6	54.0	-6.4	Peak	Vertical
	8165.5	35.4	12.1	47.5	54.0	-6.5	Peak	Vertical
*	8692.5	34.0	13.7	47.7	68.2	-20.5	Peak	Vertical
*	9721.0	34.5	14.7	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	2018/06/24
Test Mode:	802.11ac-VHT80 - Ant 0 + 1 + 2 + 3	Test Channel:	42
Remark:	<ol style="list-style-type: none"> 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	35.0	12.8	47.8	54.0	-6.2	Peak	Horizontal
	8242.0	35.2	11.9	47.1	54.0	-6.9	Peak	Horizontal
*	8692.5	33.3	13.7	47.0	68.2	-21.2	Peak	Horizontal
*	9721.0	34.8	14.7	49.5	68.2	-18.7	Peak	Horizontal
	7570.5	34.0	12.8	46.8	54.0	-7.2	Peak	Vertical
	8276.0	34.6	11.9	46.5	54.0	-7.5	Peak	Vertical
*	8692.5	32.6	13.7	46.3	68.2	-21.9	Peak	Vertical
*	9814.5	33.7	15.4	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	2018/06/24
Test Mode:	802.11ac-VHT80 - Ant 0 + 1 + 2 + 3	Test Channel:	155
Remark:	<ol style="list-style-type: none"> 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
	7468.5	34.5	12.8	47.3	54.0	-6.7	Peak	Horizontal
	8352.5	35.2	12.0	47.2	54.0	-6.8	Peak	Horizontal
*	8735.0	32.9	13.9	46.8	68.2	-21.4	Peak	Horizontal
*	9593.5	34.3	14.4	48.7	68.2	-19.5	Peak	Horizontal
	7332.5	34.0	12.4	46.4	54.0	-7.6	Peak	Vertical
	8165.5	35.7	12.1	47.8	54.0	-6.2	Peak	Vertical
*	8871.0	33.9	14.0	47.9	68.2	-20.3	Peak	Vertical
*	9687.0	35.3	14.6	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	2018/06/24
Test Mode:	802.11ax-HE20 - Ant 0 + 1 + 2 + 3	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	34.8	12.8	47.6	54.0	-6.4	Peak	Horizontal
	8310.0	35.1	11.9	47.0	54.0	-7.0	Peak	Horizontal
*	8769.0	32.7	13.9	46.6	68.2	-21.6	Peak	Horizontal
*	9814.5	33.6	15.4	49.0	68.2	-19.2	Peak	Horizontal
	7536.5	35.5	12.8	48.3	54.0	-5.7	Peak	Vertical
	8352.5	35.7	12.0	47.7	54.0	-6.3	Peak	Vertical
*	8811.5	33.8	14.0	47.8	68.2	-20.4	Peak	Vertical
*	9678.5	34.0	14.6	48.6	68.2	-19.6	Peak	Vertical

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

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

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

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/24
Test Mode:	802.11ax-HE20 - Ant 0 + 1 + 2 + 3	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
	7468.5	35.1	12.8	47.9	54.0	-6.1	Peak	Horizontal
	8199.5	35.2	12.0	47.2	54.0	-6.8	Peak	Horizontal
*	8854.0	33.5	14.0	47.5	68.2	-20.7	Peak	Horizontal
*	9636.0	34.8	14.4	49.2	68.2	-19.0	Peak	Horizontal
	7366.5	34.6	12.5	47.1	54.0	-6.9	Peak	Vertical
	8165.5	37.0	12.1	49.1	54.0	-4.9	Peak	Vertical
*	8692.5	33.0	13.7	46.7	68.2	-21.5	Peak	Vertical
*	9857.0	33.3	16.2	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	2018/06/24
Test Mode:	802.11ax-HE20 - Ant 0 + 1 + 2 + 3	Test Channel:	48
Remark:	<ol style="list-style-type: none"> 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
	7468.5	34.7	12.8	47.5	54.0	-6.5	Peak	Horizontal
	8352.5	35.0	12.0	47.0	54.0	-7.0	Peak	Horizontal
*	8692.5	33.7	13.7	47.4	68.2	-20.8	Peak	Horizontal
*	9772.0	34.7	14.9	49.6	68.2	-18.6	Peak	Horizontal
	7579.0	35.2	12.7	47.9	54.0	-6.1	Peak	Vertical
	8352.5	35.0	12.0	47.0	54.0	-7.0	Peak	Vertical
*	8692.5	34.0	13.7	47.7	68.2	-20.5	Peak	Vertical
*	9678.5	34.5	14.6	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	2018/06/24
Test Mode:	802.11ax-HE20 - Ant 0 + 1 + 2 + 3	Test Channel:	149
Remark:	<ol style="list-style-type: none"> 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	35.4	12.8	48.2	54.0	-5.8	Peak	Horizontal
	8165.5	35.6	12.1	47.7	54.0	-6.3	Peak	Horizontal
*	8709.5	35.0	13.8	48.8	68.2	-19.4	Peak	Horizontal
*	9857.0	35.2	16.2	51.4	68.2	-16.8	Peak	Horizontal
	7502.5	34.7	12.8	47.5	54.0	-6.5	Peak	Vertical
	8352.5	35.1	12.0	47.1	54.0	-6.9	Peak	Vertical
*	8811.5	33.7	14.0	47.7	68.2	-20.5	Peak	Vertical
*	9840.0	34.4	16.0	50.4	68.2	-17.8	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	2018/06/24
Test Mode:	802.11ax-HE20 - Ant 0 + 1 + 2 + 3	Test Channel:	157
Remark:	<ol style="list-style-type: none"> 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
	7604.5	33.9	12.7	46.6	54.0	-7.4	Peak	Horizontal
	8199.5	36.2	12.0	48.2	54.0	-5.8	Peak	Horizontal
*	8701.0	34.2	13.8	48.0	68.2	-20.2	Peak	Horizontal
*	9933.5	36.0	15.3	51.3	68.2	-16.9	Peak	Horizontal
	7468.5	35.7	12.8	48.5	54.0	-5.5	Peak	Vertical
	8191.0	37.1	12.0	49.1	54.0	-4.9	Peak	Vertical
*	8692.5	35.9	13.7	49.6	68.2	-18.6	Peak	Vertical
*	10010.0	36.0	15.4	51.4	68.2	-16.8	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	2018/06/24
Test Mode:	802.11ax-HE20 - Ant 0 + 1 + 2 + 3	Test Channel:	165
Remark:	<ol style="list-style-type: none"> 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
	7460.0	35.2	12.8	48.0	54.0	-6.0	Peak	Horizontal
	8454.5	35.5	12.5	48.0	54.0	-6.0	Peak	Horizontal
*	8905.0	34.7	14.0	48.7	68.2	-19.5	Peak	Horizontal
*	9806.0	35.8	15.2	51.0	68.2	-17.2	Peak	Horizontal
	7400.5	34.6	12.6	47.2	54.0	-6.8	Peak	Vertical
	8259.0	36.9	11.9	48.8	54.0	-5.2	Peak	Vertical
*	8854.0	34.3	14.0	48.3	68.2	-19.9	Peak	Vertical
*	9636.0	34.4	14.4	48.8	68.2	-19.4	Peak	Vertical

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

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

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

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/24
Test Mode:	802.11ax-HE40 - Ant 0 + 1 + 2 + 3	Test Channel:	38
Remark:	<ol style="list-style-type: none"> 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
	7528.0	36.0	12.8	48.8	54.0	-5.2	Peak	Horizontal
	8352.5	35.7	12.0	47.7	54.0	-6.3	Peak	Horizontal
*	8786.0	34.4	13.9	48.3	68.2	-19.9	Peak	Horizontal
*	9755.0	35.9	14.8	50.7	68.2	-17.5	Peak	Horizontal
	7400.5	35.3	12.6	47.9	54.0	-6.1	Peak	Vertical
	8276.0	35.6	11.9	47.5	54.0	-6.5	Peak	Vertical
*	8692.5	32.8	13.7	46.5	68.2	-21.7	Peak	Vertical
*	9721.0	34.0	14.7	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	2018/06/24
Test Mode:	802.11ax-HE40 - Ant 0 + 1 + 2 + 3	Test Channel:	46
Remark:	<ol style="list-style-type: none"> 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
	7604.5	34.2	12.7	46.9	54.0	-7.1	Peak	Horizontal
	8199.5	36.0	12.0	48.0	54.0	-6.0	Peak	Horizontal
*	8658.5	34.2	13.6	47.8	68.2	-20.4	Peak	Horizontal
*	9593.5	33.8	14.4	48.2	68.2	-20.0	Peak	Horizontal
	7570.5	34.5	12.8	47.3	54.0	-6.7	Peak	Vertical
	8242.0	35.4	11.9	47.3	54.0	-6.7	Peak	Vertical
*	8735.0	33.8	13.9	47.7	68.2	-20.5	Peak	Vertical
*	9899.5	33.9	15.4	49.3	68.2	-18.9	Peak	Vertical

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

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

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

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/24
Test Mode:	802.11ax-HE40 - Ant 0 + 1 + 2 + 3	Test Channel:	151
Remark:	<ol style="list-style-type: none"> 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	12.8	47.1	54.0	-6.9	Peak	Horizontal
	8242.0	35.8	11.9	47.7	54.0	-6.3	Peak	Horizontal
*	8658.5	33.6	13.6	47.2	68.2	-21.0	Peak	Horizontal
*	9678.5	35.6	14.6	50.2	68.2	-18.0	Peak	Horizontal
	7468.5	36.0	12.8	48.8	54.0	-5.2	Peak	Vertical
	8318.5	37.0	11.9	48.9	54.0	-5.1	Peak	Vertical
*	8811.5	33.8	14.0	47.8	68.2	-20.4	Peak	Vertical
*	9814.5	34.7	15.4	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	2018/06/24
Test Mode:	802.11ax-HE40 - Ant 0 + 1 + 2 + 3	Test Channel:	159
Remark:	<ol style="list-style-type: none"> 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
	7536.5	34.1	12.8	46.9	54.0	-7.1	Peak	Horizontal
	8335.5	35.9	11.9	47.8	54.0	-6.2	Peak	Horizontal
*	8692.5	34.2	13.7	47.9	68.2	-20.3	Peak	Horizontal
*	9857.0	33.9	16.2	50.1	68.2	-18.1	Peak	Horizontal
	7672.5	35.3	12.5	47.8	54.0	-6.2	Peak	Vertical
	8386.5	34.6	12.1	46.7	54.0	-7.3	Peak	Vertical
*	8854.0	33.3	14.0	47.3	68.2	-20.9	Peak	Vertical
*	9678.5	34.8	14.6	49.4	68.2	-18.8	Peak	Vertical

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

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

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

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/24
Test Mode:	802.11ax-HE80 - Ant 0 + 1 + 2 + 3	Test Channel:	42
Remark:	<ol style="list-style-type: none"> 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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	7596.0	34.3	12.7	47.0	54.0	-7.0	Peak	Horizontal
	8318.5	36.1	11.9	48.0	54.0	-6.0	Peak	Horizontal
*	8769.0	34.0	13.9	47.9	68.2	-20.3	Peak	Horizontal
*	9899.5	34.3	15.4	49.7	68.2	-18.5	Peak	Horizontal
	7400.5	34.5	12.6	47.1	54.0	-6.9	Peak	Vertical
	8165.5	36.7	12.1	48.8	54.0	-5.2	Peak	Vertical
*	8658.5	34.3	13.6	47.9	68.2	-20.3	Peak	Vertical
*	9636.0	35.0	14.4	49.4	68.2	-18.8	Peak	Vertical

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

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

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

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/24
Test Mode:	802.11ax-HE80 - Ant 0 + 1 + 2 + 3	Test Channel:	155
Remark:	<ol style="list-style-type: none"> 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
	7604.5	34.4	12.7	47.1	54.0	-6.9	Peak	Horizontal
	8242.0	35.7	11.9	47.6	54.0	-6.4	Peak	Horizontal
*	8888.0	33.8	14.0	47.8	68.2	-20.4	Peak	Horizontal
*	9942.0	34.8	15.3	50.1	68.2	-18.1	Peak	Horizontal
	7434.5	34.2	12.7	46.9	54.0	-7.1	Peak	Vertical
	8276.0	35.3	11.9	47.2	54.0	-6.8	Peak	Vertical
*	8888.0	33.0	14.0	47.0	68.2	-21.2	Peak	Vertical
*	10214.0	34.0	16.3	50.3	68.2	-17.9	Peak	Vertical

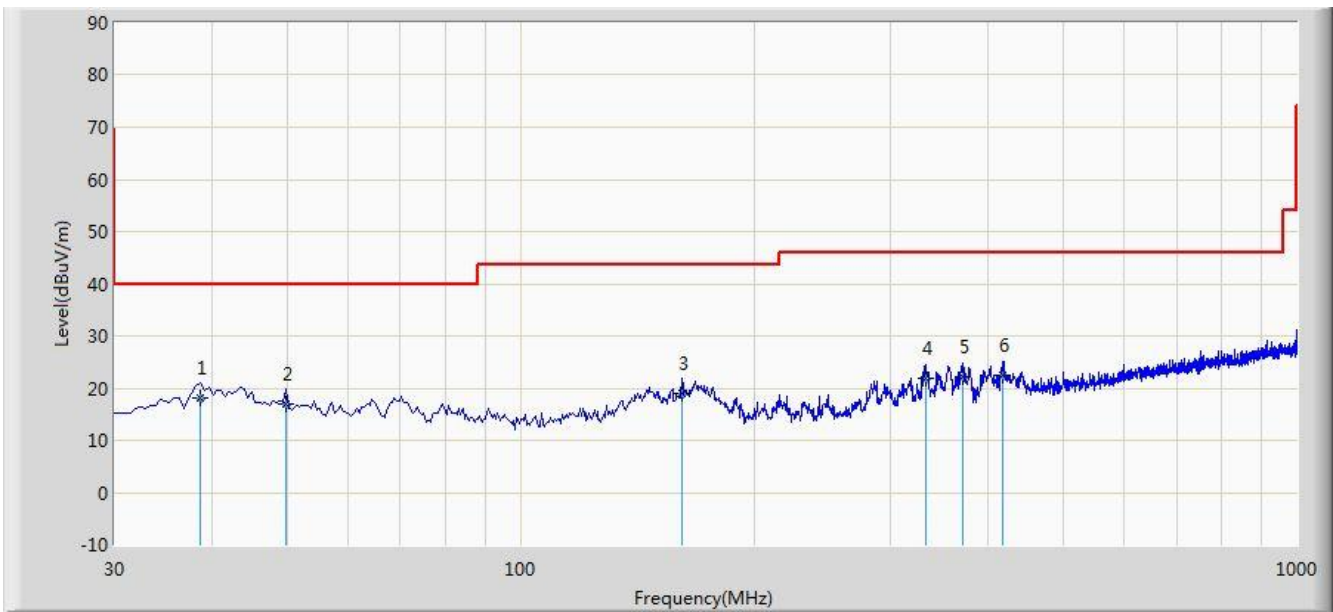
Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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: 2018/06/27 - 20:04
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.	



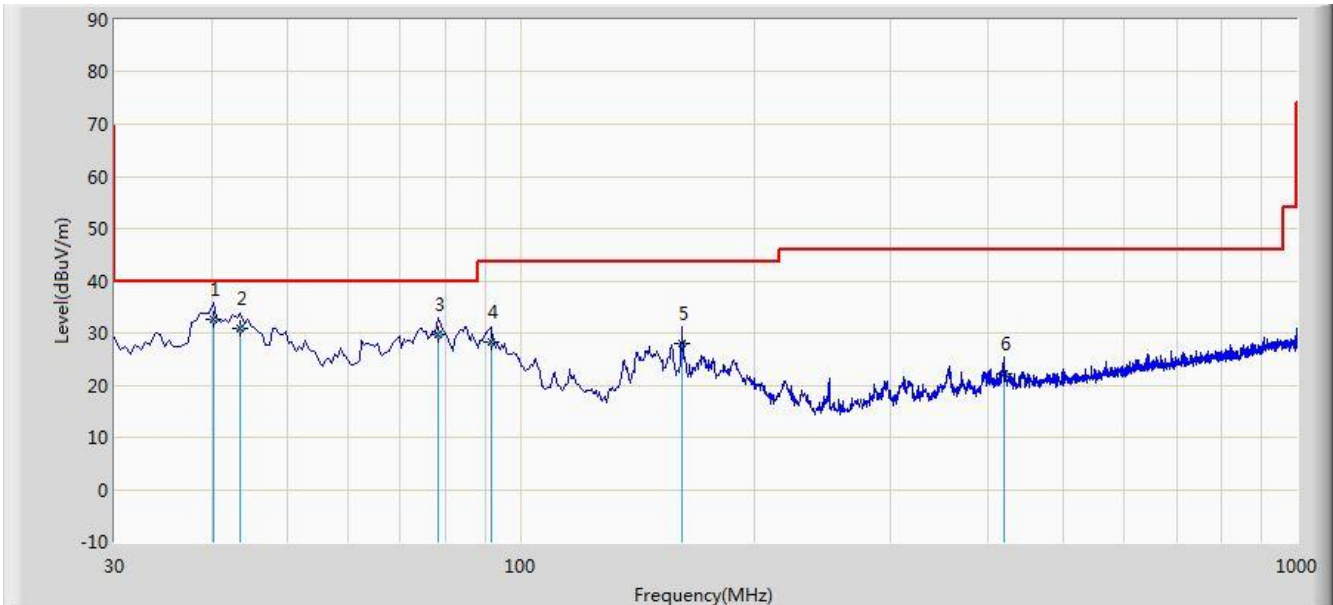
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	38.730	18.146	4.516	-21.854	40.000	13.630	QP
2			49.885	17.060	2.104	-22.940	40.000	14.957	QP
3			161.435	18.952	8.934	-24.548	43.500	10.018	QP
4			332.155	21.812	6.172	-24.188	46.000	15.640	QP
5			371.440	22.200	5.826	-23.800	46.000	16.374	QP
6			418.000	22.475	5.263	-23.525	46.000	17.211	QP

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

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

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

Site: AC1	Time: 2018/06/27 - 20:05
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)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	40.185	32.672	18.763	-7.328	40.000	13.909	QP
2			43.580	30.764	16.205	-9.236	40.000	14.559	QP
3			78.500	29.747	20.516	-10.253	40.000	9.232	QP
4			91.595	28.132	16.427	-15.368	43.500	11.705	QP
5			161.435	27.952	17.934	-15.548	43.500	10.018	QP
6			418.970	22.289	5.063	-23.711	46.000	17.226	QP

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

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

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

For APIN0514 - Omni Antenna (AP-ANT-19)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/23
Test Mode:	802.11a - Ant 0 + 1 + 2 + 3	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	36.6	12.8	49.4	54.0	-4.6	Peak	Horizontal
	8140.0	38.8	12.2	51.0	54.0	-3.0	Peak	Horizontal
*	9593.5	35.9	14.4	50.3	68.2	-17.9	Peak	Horizontal
*	9908.0	37.5	15.3	52.8	68.2	-15.4	Peak	Horizontal
	7604.5	37.2	12.7	49.9	54.0	-4.1	Peak	Vertical
	8276.0	37.8	11.9	49.7	54.0	-4.3	Peak	Vertical
*	9831.5	36.1	15.9	52.0	68.2	-16.2	Peak	Vertical
*	10154.5	37.5	16.0	53.5	68.2	-14.7	Peak	Vertical

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

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

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

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11a - Ant 0 + 1 + 2 + 3	Test Channel:	44
Remark:	<ol style="list-style-type: none"> 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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	7562.0	37.9	12.8	50.7	54.0	-3.3	Peak	Horizontal
	8165.5	38.5	12.1	50.6	54.0	-3.4	Peak	Horizontal
*	9857.0	35.8	16.2	52.0	68.2	-16.2	Peak	Horizontal
*	10273.5	36.4	16.5	52.9	68.2	-15.3	Peak	Horizontal
	7460.0	36.8	12.8	49.6	54.0	-4.4	Peak	Vertical
	8225.0	37.7	11.9	49.6	54.0	-4.4	Peak	Vertical
*	9908.0	37.1	15.3	52.4	68.2	-15.8	Peak	Vertical
*	10384.0	36.3	16.9	53.2	68.2	-15.0	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 dB μ V/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11a - Ant 0 + 1 + 2 + 3	Test Channel:	48
Remark:	<ol style="list-style-type: none"> 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
	7383.5	37.1	12.5	49.6	54.0	-4.4	Peak	Horizontal
	7647.0	36.6	12.5	49.1	54.0	-4.9	Peak	Horizontal
*	9670.0	36.5	14.5	51.0	68.2	-17.2	Peak	Horizontal
*	9959.0	36.7	15.3	52.0	68.2	-16.2	Peak	Horizontal
	7460.0	36.6	12.8	49.4	54.0	-4.6	Peak	Vertical
	7655.5	37.4	12.5	49.9	54.0	-4.1	Peak	Vertical
*	9627.5	35.4	14.4	49.8	68.2	-18.4	Peak	Vertical
*	9891.0	36.9	15.5	52.4	68.2	-15.8	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	2018/06/30
Test Mode:	802.11a - Ant 0 + 1 + 2 + 3	Test Channel:	149
Remark:	<ol style="list-style-type: none"> 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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	7579.0	36.3	12.7	49.0	54.0	-5.0	Peak	Horizontal
	8327.0	37.1	11.9	49.0	54.0	-5.0	Peak	Horizontal
*	9840.0	35.4	16.0	51.4	68.2	-16.8	Peak	Horizontal
*	10469.0	35.3	17.1	52.4	68.2	-15.8	Peak	Horizontal
	7434.5	36.4	12.7	49.1	54.0	-4.9	Peak	Vertical
	8352.5	36.0	12.0	48.0	54.0	-6.0	Peak	Vertical
*	9925.0	36.3	15.3	51.6	68.2	-16.6	Peak	Vertical
*	10367.0	35.1	16.8	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 dB μ V/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11a - Ant 0 + 1 + 2 + 3	Test Channel:	157
Remark:	<ol style="list-style-type: none"> 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. Other frequency was 20dB below limit line within 1-18GHz, there is 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	36.8	12.8	49.6	54.0	-4.4	Peak	Horizontal
	8165.5	37.9	12.1	50.0	54.0	-4.0	Peak	Horizontal
*	9678.5	35.6	14.6	50.2	68.2	-18.0	Peak	Horizontal
*	9950.5	36.8	15.3	52.1	68.2	-16.1	Peak	Horizontal
	7468.5	36.7	12.8	49.5	54.0	-4.5	Peak	Vertical
	8242.0	37.0	11.9	48.9	54.0	-5.1	Peak	Vertical
*	9627.5	36.4	14.4	50.8	68.2	-17.4	Peak	Vertical
*	9916.5	37.2	15.3	52.5	68.2	-15.7	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	2018/06/30
Test Mode:	802.11a - Ant 0 + 1 + 2 + 3	Test Channel:	165
Remark:	<ol style="list-style-type: none"> 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	37.0	12.7	49.7	54.0	-4.3	Peak	Horizontal
	8216.5	37.5	11.9	49.4	54.0	-4.6	Peak	Horizontal
*	9644.5	37.0	14.4	51.4	68.2	-16.8	Peak	Horizontal
*	10460.5	36.2	17.1	53.3	68.2	-14.9	Peak	Horizontal
	7570.5	36.5	12.8	49.3	54.0	-4.7	Peak	Vertical
	8233.5	38.1	11.9	50.0	54.0	-4.0	Peak	Vertical
*	9755.0	36.2	14.8	51.0	68.2	-17.2	Peak	Vertical
*	10103.5	36.3	15.7	52.0	68.2	-16.2	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	2018/06/30
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2 + 3	Test Channel:	36
Remark:	<ol style="list-style-type: none"> 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
	7613.0	36.5	12.6	49.1	54.0	-4.9	Peak	Horizontal
	8199.5	37.9	12.0	49.9	54.0	-4.1	Peak	Horizontal
*	9899.5	35.7	15.4	51.1	68.2	-17.1	Peak	Horizontal
*	10401.0	35.3	16.9	52.2	68.2	-16.0	Peak	Horizontal
	7426.0	35.9	12.7	48.6	54.0	-5.4	Peak	Vertical
	8497.0	37.0	12.8	49.8	54.0	-4.2	Peak	Vertical
*	9746.5	36.1	14.8	50.9	68.2	-17.3	Peak	Vertical
*	10333.0	35.4	16.7	52.1	68.2	-16.1	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)