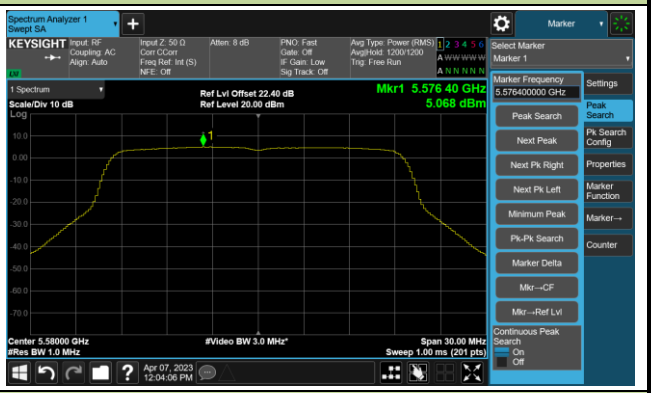
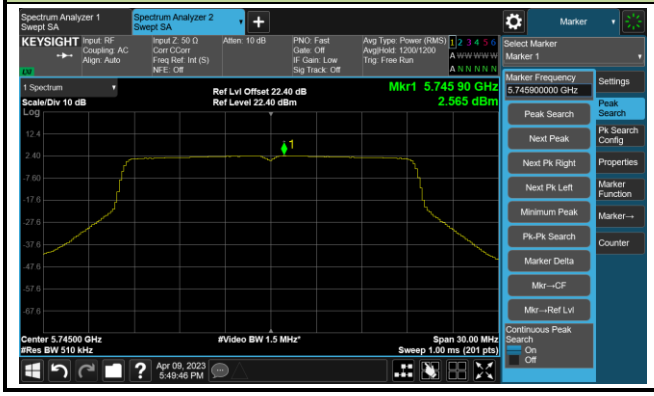
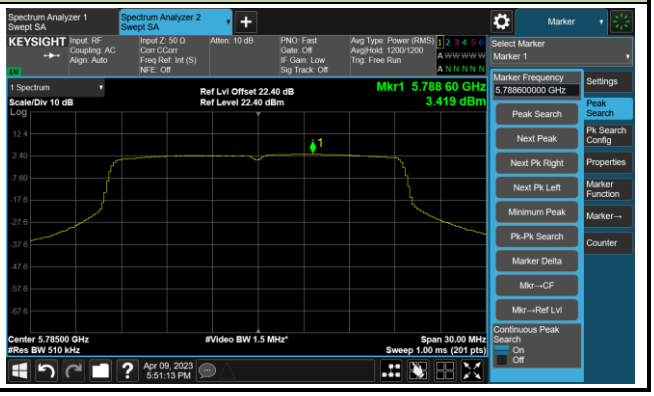
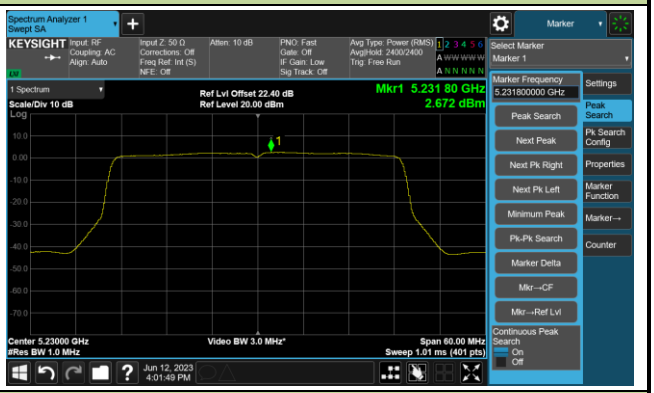
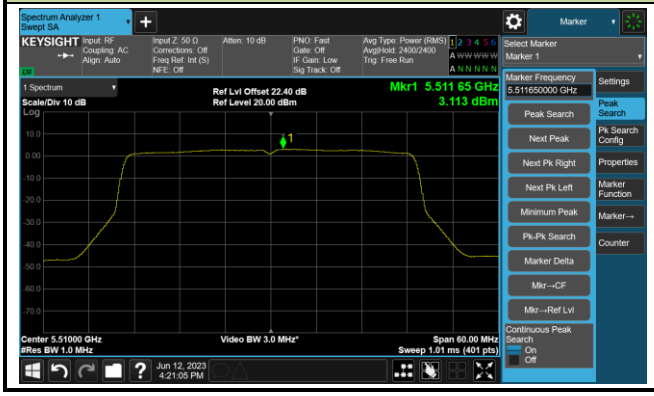
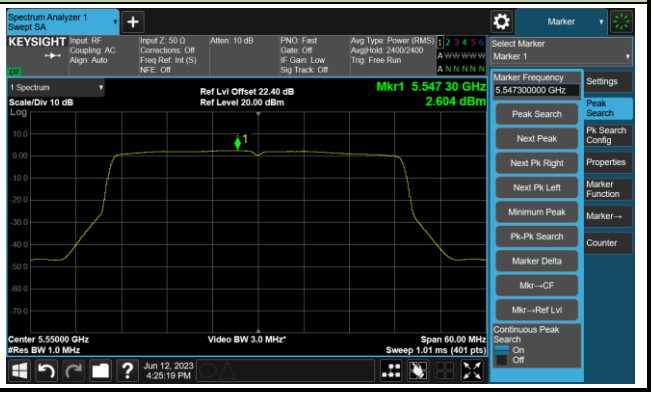
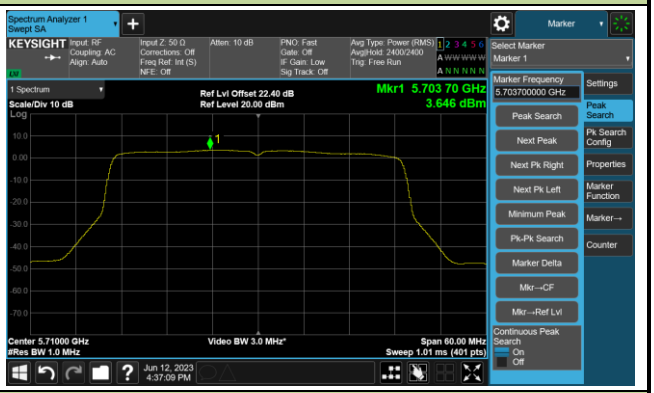
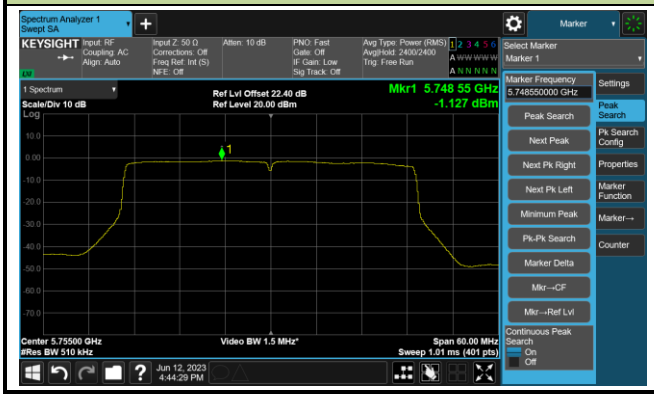
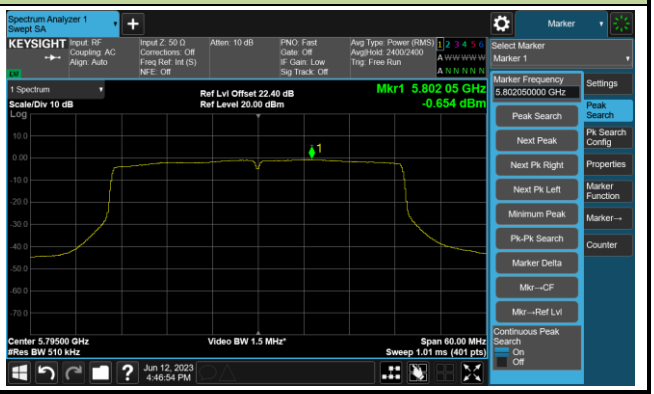
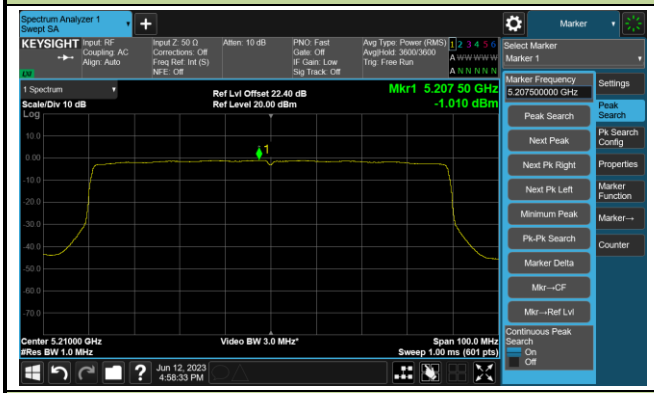
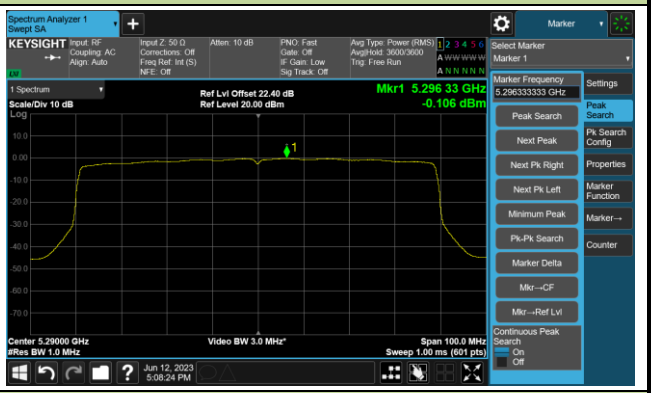
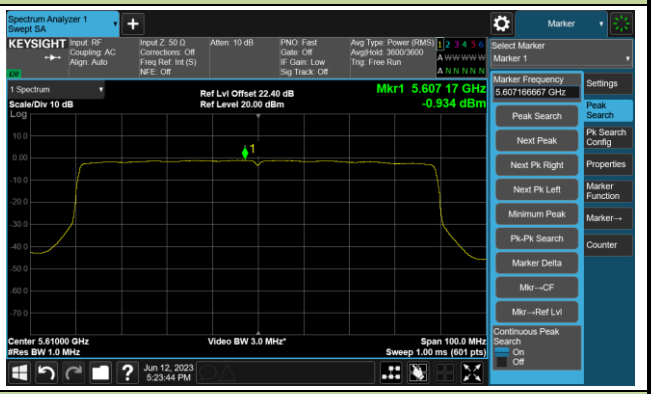
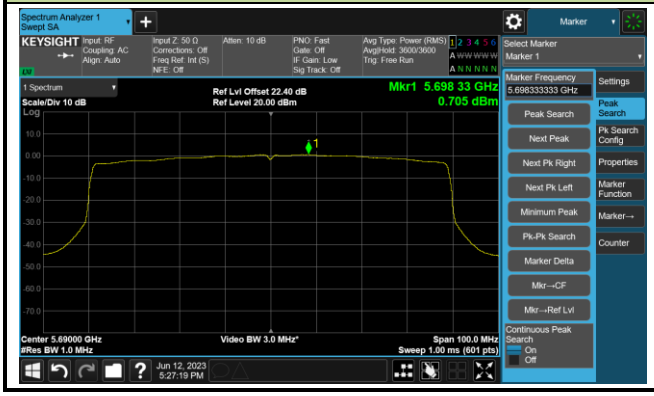
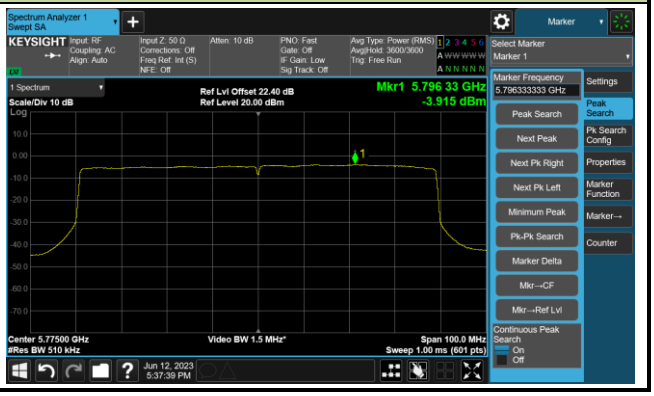
802.11ax-HE20 Power Spectral Density- Ant 1	
Channel 100 (5500MHz)	Channel 116 (5580MHz)
	
Channel 140 (5700MHz)	Channel 144(5720MHz)
	
Channel 149 (5745MHz)	Channel 157 (5785MHz)
	

802.11ax-HE20 Power Spectral Density- Ant 1	
Channel 165 (5825MHz)	
	

802.11ax-HE40 Power Spectral Density- Ant 1	
Channel 38 (5190MHz)	Channel 46 (5230MHz)
	
Channel 54 (5270MHz)	Channel 62 (5310MHz)
	
Channel 102 (5510MHz)	Channel 110 (5550MHz)
	

802.11ax-HE40 Power Spectral Density- Ant 1	
Channel 134 (5670MHz)	Channel 142(5710MHz)
	
Channel 151 (5755MHz)	Channel 159 (5795MHz)
	

802.11ax-HE80 Power Spectral Density- Ant 1	
Channel 42 (5210MHz)	Channel 58 (5290MHz)
	
Channel 106 (5530MHz)	Channel 122 (5610MHz)
	
Channel 138 (5690MHz)	Channel 155 (5775MHz)
	

A.6 Frequency Stability Test Result

Test data of AP431:

Test Site	WZ-TR3	Test Engineer	Amy Zhang
Test Date	2023-06-13	Test Mode	5180MHz (Carrier Mode)

Voltage (%)	Power (VAC)	Temp (°C)	Frequency Tolerance (ppm)			
			0 minutes	2 minutes	5 minutes	10 minutes
100%	120	- 30	19.78	19.76	19.77	19.98
		- 20	20.34	20.31	20.30	20.29
		- 10	18.61	18.61	18.65	18.65
		0	17.14	16.65	15.42	15.49
		+ 10	11.24	11.26	11.31	11.30
		+ 20	8.53	6.89	6.57	6.66
		+ 30	1.53	1.54	1.54	1.53
		+ 40	-0.91	-1.45	-1.97	-2.35
		+ 50	-5.37	-5.43	-5.45	-5.46
115%	138	+ 20	8.42	6.53	6.57	6.64
85%	102	+ 20	7.68	6.55	6.62	6.59

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

A.7 Radiated Spurious Emission Test Result

Test data of AP431:

Test Site	NS-AC1	Test Engineer	Ted Chen
Test Date	2023-06-02	Test Mode	802.11a – Channel 36
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8063.5	37.5	9.2	46.7	74.0	-27.3	Peak	Horizontal
*	10146.0	36.0	13.2	49.2	68.2	-19.0	Peak	Horizontal
	15832.5	34.9	16.5	51.4	74.0	-22.6	Peak	Horizontal
*	16495.5	34.1	16.2	50.3	68.2	-17.9	Peak	Horizontal
	8361.0	37.7	9.7	47.4	74.0	-26.6	Peak	Vertical
*	9967.5	36.7	12.6	49.3	68.2	-18.9	Peak	Vertical
	12084.0	35.7	15.1	50.8	74.0	-23.2	Peak	Vertical
*	12857.5	35.8	15.2	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/m)

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

Test Site	NS-AC1	Test Engineer	Ted Chen
Test Date	2023-06-02	Test Mode	802.11a – Channel 44
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
	8352.5	35.5	9.7	45.2	74.0	-28.8	Peak	Horizontal
*	10095.0	36.1	13.3	49.4	68.2	-18.8	Peak	Horizontal
	11939.5	37.0	14.5	51.5	74.0	-22.5	Peak	Horizontal
*	13010.5	33.6	15.4	49.0	68.2	-19.2	Peak	Horizontal
	8361.0	37.0	9.7	46.7	74.0	-27.3	Peak	Vertical
*	10061.0	36.1	12.9	49.0	68.2	-19.2	Peak	Vertical
	11293.5	34.8	15.7	50.5	74.0	-23.5	Peak	Vertical
*	12891.5	35.8	15.0	50.8	68.2	-17.4	Peak	Vertical

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

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

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

Test Site	NS-AC1	Test Engineer	Ted Chen
Test Date	2023-06-02	Test Mode	802.11a – Channel 48
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
	8276.0	37.7	9.2	46.9	74.0	-27.1	Peak	Horizontal
*	10154.5	36.8	13.2	50.0	68.2	-18.2	Peak	Horizontal
	11208.5	35.3	15.8	51.1	74.0	-22.9	Peak	Horizontal
*	12781.0	33.6	14.8	48.4	68.2	-19.8	Peak	Horizontal
	8344.0	37.1	9.6	46.7	74.0	-27.3	Peak	Vertical
*	8692.5	36.4	12.2	48.6	68.2	-19.6	Peak	Vertical
	11217.0	34.1	16.0	50.1	74.0	-23.9	Peak	Vertical
*	12917.0	35.0	15.3	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/m)

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

Test Site	NS-AC1	Test Engineer	Ted Chen
Test Date	2023-06-02	Test Mode	802.11a – Channel 52
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
	8199.5	37.3	9.2	46.5	74.0	-27.5	Peak	Horizontal
*	10052.5	36.8	13.2	50.0	68.2	-18.2	Peak	Horizontal
	11608.0	34.8	16.0	50.8	74.0	-23.2	Peak	Horizontal
*	12891.5	34.3	15.0	49.3	68.2	-18.9	Peak	Horizontal
	8072.0	38.3	9.2	47.5	74.0	-26.5	Peak	Vertical
*	10214.0	36.6	12.9	49.5	68.2	-18.7	Peak	Vertical
	11888.5	36.2	14.5	50.7	74.0	-23.3	Peak	Vertical
*	12934.0	35.1	15.7	50.8	68.2	-17.4	Peak	Vertical

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

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

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

Test Site	NS-AC1	Test Engineer	Ted Chen
Test Date	2023-06-02	Test Mode	802.11a – Channel 60
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
	8361.0	37.0	9.7	46.7	74.0	-27.3	Peak	Horizontal
*	9925.0	36.1	12.5	48.6	68.2	-19.6	Peak	Horizontal
	11982.0	36.3	14.7	51.0	74.0	-23.0	Peak	Horizontal
*	12883.0	35.6	15.2	50.8	68.2	-17.4	Peak	Horizontal
	8046.5	38.0	9.4	47.4	74.0	-26.6	Peak	Vertical
*	8905.0	36.1	12.6	48.7	68.2	-19.5	Peak	Vertical
	11650.5	35.3	15.9	51.2	74.0	-22.8	Peak	Vertical
*	12951.0	35.1	15.6	50.7	68.2	-17.5	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/m)

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

Test Site	NS-AC1	Test Engineer	Ted Chen
Test Date	2023-06-02	Test Mode	802.11a – Channel 64
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
	8446.0	37.7	10.5	48.2	74.0	-25.8	Peak	Horizontal
*	9542.5	38.0	11.8	49.8	68.2	-18.4	Peak	Horizontal
	12075.5	36.9	15.0	51.9	74.0	-22.1	Peak	Horizontal
*	12925.5	35.4	15.5	50.9	68.2	-17.3	Peak	Horizontal
	8369.5	37.9	9.8	47.7	74.0	-26.3	Peak	Vertical
*	10154.5	37.0	13.2	50.2	68.2	-18.0	Peak	Vertical
	11642.0	34.4	16.0	50.4	74.0	-23.6	Peak	Vertical
*	12857.5	36.2	15.2	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/m)

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

Test Site	NS-AC1	Test Engineer	Ted Chen
Test Date	2023-06-02	Test Mode	802.11a – Channel 100
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
	9338.5	38.0	12.0	50.0	74.0	-24.0	Peak	Horizontal
*	10290.5	36.1	13.6	49.7	68.2	-18.5	Peak	Horizontal
	11421.0	34.8	15.7	50.5	74.0	-23.5	Peak	Horizontal
*	16368.0	35.8	17.2	53.0	68.2	-15.2	Peak	Horizontal
	9491.5	37.8	11.5	49.3	74.0	-24.7	Peak	Vertical
*	10146.0	36.0	13.2	49.2	68.2	-19.0	Peak	Vertical
	11276.5	35.4	15.5	50.9	74.0	-23.1	Peak	Vertical
*	17039.5	37.4	18.7	56.1	68.2	-12.1	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/m)

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

Test Site	NS-AC1	Test Engineer	Ted Chen
Test Date	2023-06-02	Test Mode	802.11a – Channel 116
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
	8437.5	37.4	10.2	47.6	74.0	-26.4	Peak	Horizontal
*	10052.5	35.7	13.2	48.9	68.2	-19.3	Peak	Horizontal
	11421.0	35.4	15.7	51.1	74.0	-22.9	Peak	Horizontal
*	12747.0	36.4	14.7	51.1	68.2	-17.1	Peak	Horizontal
	9491.5	37.4	11.5	48.9	74.0	-25.1	Peak	Vertical
*	10120.5	36.0	13.1	49.1	68.2	-19.1	Peak	Vertical
	11276.5	34.7	15.5	50.2	74.0	-23.8	Peak	Vertical
*	16988.5	37.0	19.2	56.2	68.2	-12.0	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/m)

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

Test Site	NS-AC1	Test Engineer	Ted Chen
Test Date	2023-06-02	Test Mode	802.11a – Channel 140
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
	8369.5	36.7	9.8	46.5	74.0	-27.5	Peak	Horizontal
*	9942.0	36.0	13.3	49.3	68.2	-18.9	Peak	Horizontal
	11225.5	35.1	15.8	50.9	74.0	-23.1	Peak	Horizontal
*	12755.5	36.2	14.7	50.9	68.2	-17.3	Peak	Horizontal
	8429.0	37.7	10.0	47.7	74.0	-26.3	Peak	Vertical
*	10137.5	36.7	13.2	49.9	68.2	-18.3	Peak	Vertical
	11208.5	35.0	15.8	50.8	74.0	-23.2	Peak	Vertical
*	12925.5	35.2	15.5	50.7	68.2	-17.5	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/m)

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

Test Site	NS-AC1	Test Engineer	Ted Chen
Test Date	2023-06-02	Test Mode	802.11a – Channel 144
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
	8437.5	36.8	10.2	47.0	74.0	-27.0	Peak	Horizontal
*	10044.0	35.5	13.6	49.1	68.2	-19.1	Peak	Horizontal
	11429.5	36.1	15.5	51.6	74.0	-22.4	Peak	Horizontal
*	12772.5	36.0	14.8	50.8	68.2	-17.4	Peak	Horizontal
	8429.0	37.1	10.0	47.1	74.0	-26.9	Peak	Vertical
*	10333.0	35.5	13.8	49.3	68.2	-18.9	Peak	Vertical
	11854.5	36.6	14.6	51.2	74.0	-22.8	Peak	Vertical
*	12934.0	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/m)

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

Test Site	NS-AC1	Test Engineer	Ted Chen
Test Date	2023-06-02	Test Mode	802.11a – Channel 149
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
	8369.5	37.8	9.8	47.6	74.0	-26.4	Peak	Horizontal
*	10137.5	36.0	13.2	49.2	68.2	-19.0	Peak	Horizontal
	12092.5	35.7	15.1	50.8	74.0	-23.2	Peak	Horizontal
*	12891.5	35.5	15.0	50.5	68.2	-17.7	Peak	Horizontal
	8369.5	36.7	9.8	46.5	74.0	-27.5	Peak	Vertical
*	10129.0	35.7	13.1	48.8	68.2	-19.4	Peak	Vertical
	12033.0	35.6	14.9	50.5	74.0	-23.5	Peak	Vertical
*	12934.0	35.5	15.7	51.2	68.2	-17.0	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/m)

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

Test Site	NS-AC1	Test Engineer	Ted Chen
Test Date	2023-06-02	Test Mode	802.11a – Channel 157
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
	8293.0	37.4	9.3	46.7	74.0	-27.3	Peak	Horizontal
*	10214.0	36.3	12.9	49.2	68.2	-19.0	Peak	Horizontal
	11489.0	34.6	15.7	50.3	74.0	-23.7	Peak	Horizontal
*	12874.5	35.6	15.3	50.9	68.2	-17.3	Peak	Horizontal
	8454.5	37.5	10.5	48.0	74.0	-26.0	Peak	Vertical
*	9942.0	35.8	13.3	49.1	68.2	-19.1	Peak	Vertical
	11412.5	35.6	15.5	51.1	74.0	-22.9	Peak	Vertical
*	12781.0	36.0	14.8	50.8	68.2	-17.4	Peak	Vertical

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

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

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

Test Site	NS-AC1	Test Engineer	Ted Chen
Test Date	2023-06-02	Test Mode	802.11a – Channel 165
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
	8361.0	36.7	9.7	46.4	74.0	-27.6	Peak	Horizontal
*	9899.5	36.7	12.5	49.2	68.2	-19.0	Peak	Horizontal
	11268.0	35.4	15.4	50.8	74.0	-23.2	Peak	Horizontal
*	12993.5	36.3	15.4	51.7	68.2	-16.5	Peak	Horizontal
	8446.0	36.8	10.5	47.3	74.0	-26.7	Peak	Vertical
*	10375.5	35.6	13.9	49.5	68.2	-18.7	Peak	Vertical
	11106.5	35.8	15.2	51.0	74.0	-23.0	Peak	Vertical
*	12891.5	34.7	15.0	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/m)

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

Test Site	NS-AC1	Test Engineer	Ted Chen
Test Date	2023-06-05	Test Mode	802.11ac-VHT20 – Channel 36
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
	8344.0	36.2	9.6	45.8	74.0	-28.2	Peak	Horizontal
*	9729.5	35.9	12.1	48.0	68.2	-20.2	Peak	Horizontal
	11149.0	34.8	15.4	50.2	74.0	-23.8	Peak	Horizontal
*	13078.5	34.0	15.5	49.5	68.2	-18.7	Peak	Horizontal
	8446.0	36.0	10.5	46.5	74.0	-27.5	Peak	Vertical
*	10316.0	36.7	13.4	50.1	68.2	-18.1	Peak	Vertical
	11684.5	34.3	15.4	49.7	74.0	-24.3	Peak	Vertical
*	13070.0	33.8	15.8	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/m)

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

Test Site	NS-AC1	Test Engineer	Ted Chen
Test Date	2023-06-05	Test Mode	802.11ac-VHT20 – Channel 44
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
	8446.0	35.9	10.5	46.4	74.0	-27.6	Peak	Horizontal
*	9661.5	36.0	11.7	47.7	68.2	-20.5	Peak	Horizontal
	15365.0	34.4	18.3	52.7	74.0	-21.3	Peak	Horizontal
*	16708.0	32.7	19.1	51.8	68.2	-16.4	Peak	Horizontal
	8437.5	35.7	10.2	45.9	74.0	-28.1	Peak	Vertical
*	10086.5	35.3	13.1	48.4	68.2	-19.8	Peak	Vertical
	11055.5	35.1	15.3	50.4	74.0	-23.6	Peak	Vertical
*	13605.5	34.6	16.9	51.5	68.2	-16.7	Peak	Vertical

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

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

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

Test Site	NS-AC1	Test Engineer	Ted Chen
Test Date	2023-06-05	Test Mode	802.11ac-VHT20 – Channel 48
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
	8276.0	37.7	9.2	46.9	74.0	-27.1	Peak	Horizontal
*	9976.0	35.6	12.7	48.3	68.2	-19.9	Peak	Horizontal
	11225.5	34.7	15.8	50.5	74.0	-23.5	Peak	Horizontal
*	13240.0	33.5	15.5	49.0	68.2	-19.2	Peak	Horizontal
	8046.5	36.7	9.4	46.1	74.0	-27.9	Peak	Vertical
*	10324.5	35.4	13.6	49.0	68.2	-19.2	Peak	Vertical
	11302.0	34.3	15.9	50.2	74.0	-23.8	Peak	Vertical
*	13078.5	33.7	15.5	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/m)

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

Test Site	NS-AC1	Test Engineer	Ted Chen
Test Date	2023-06-05	Test Mode	802.11ac-VHT20 – Channel 52
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
	8446.0	35.8	10.5	46.3	74.0	-27.7	Peak	Horizontal
*	10307.5	35.7	13.4	49.1	68.2	-19.1	Peak	Horizontal
	11098.0	35.5	15.2	50.7	74.0	-23.3	Peak	Horizontal
*	13112.5	33.8	15.5	49.3	68.2	-18.9	Peak	Horizontal
	8378.0	36.5	9.9	46.4	74.0	-27.6	Peak	Vertical
*	9933.5	35.3	12.9	48.2	68.2	-20.0	Peak	Vertical
	11089.5	35.6	15.6	51.2	74.0	-22.8	Peak	Vertical
*	12959.5	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/m)

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

Test Site	NS-AC1	Test Engineer	Ted Chen
Test Date	2023-06-05	Test Mode	802.11ac-VHT20 – Channel 60
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
	8361.0	36.0	9.7	45.7	74.0	-28.3	Peak	Horizontal
*	9644.5	36.7	11.7	48.4	68.2	-19.8	Peak	Horizontal
	11081.0	34.1	16.1	50.2	74.0	-23.8	Peak	Horizontal
*	13469.5	33.8	17.0	50.8	68.2	-17.4	Peak	Horizontal
	9066.5	35.7	12.0	47.7	74.0	-26.3	Peak	Vertical
*	10137.5	35.3	13.2	48.5	68.2	-19.7	Peak	Vertical
	11089.5	35.0	15.6	50.6	74.0	-23.4	Peak	Vertical
*	13078.5	34.1	15.5	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/m)

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

Test Site	NS-AC1	Test Engineer	Ted Chen
Test Date	2023-06-05	Test Mode	802.11ac-VHT20 – Channel 64
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
	8038.0	36.7	9.6	46.3	74.0	-27.7	Peak	Horizontal
*	8845.5	35.5	12.2	47.7	68.2	-20.5	Peak	Horizontal
	10885.5	35.5	14.8	50.3	74.0	-23.7	Peak	Horizontal
*	13138.0	33.9	15.8	49.7	68.2	-18.5	Peak	Horizontal
	8369.5	36.5	9.8	46.3	74.0	-27.7	Peak	Vertical
*	10469.0	35.2	14.1	49.3	68.2	-18.9	Peak	Vertical
	11557.0	33.8	15.9	49.7	74.0	-24.3	Peak	Vertical
*	12942.5	33.4	15.6	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/m)

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

Test Site	NS-AC1	Test Engineer	Ted Chen
Test Date	2023-06-05	Test Mode	802.11ac-VHT20 – Channel 100
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
	8157.0	36.9	9.0	45.9	74.0	-28.1	Peak	Horizontal
*	9534.0	36.2	11.8	48.0	68.2	-20.2	Peak	Horizontal
	10953.5	35.1	15.2	50.3	74.0	-23.7	Peak	Horizontal
*	13070.0	33.0	15.8	48.8	68.2	-19.4	Peak	Horizontal
	8029.5	36.5	9.5	46.0	74.0	-28.0	Peak	Vertical
*	10392.5	34.9	14.1	49.0	68.2	-19.2	Peak	Vertical
	11140.5	34.5	15.4	49.9	74.0	-24.1	Peak	Vertical
*	12942.5	33.6	15.6	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/m)

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

Test Site	NS-AC1	Test Engineer	Ted Chen
Test Date	2023-06-05	Test Mode	802.11ac-VHT20 – Channel 116
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
	8208.0	36.3	9.2	45.5	74.0	-28.5	Peak	Horizontal
*	10477.5	35.7	14.2	49.9	68.2	-18.3	Peak	Horizontal
	10868.5	35.6	14.5	50.1	74.0	-23.9	Peak	Horizontal
*	13214.5	33.3	15.7	49.0	68.2	-19.2	Peak	Horizontal
	8055.0	37.4	9.3	46.7	74.0	-27.3	Peak	Vertical
*	10392.5	36.6	14.1	50.7	68.2	-17.5	Peak	Vertical
	11157.5	34.4	15.5	49.9	74.0	-24.1	Peak	Vertical
*	12951.0	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 dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Test Site	NS-AC1	Test Engineer	Ted Chen
Test Date	2023-06-05	Test Mode	802.11ac-VHT20 – Channel 140
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
	8038.0	36.9	9.6	46.5	74.0	-27.5	Peak	Horizontal
*	9508.5	36.8	11.4	48.2	68.2	-20.0	Peak	Horizontal
	11166.0	35.4	15.5	50.9	74.0	-23.1	Peak	Horizontal
*	12917.0	34.4	15.3	49.7	68.2	-18.5	Peak	Horizontal
	8386.5	36.8	9.8	46.6	74.0	-27.4	Peak	Vertical
*	9789.0	35.0	12.3	47.3	68.2	-20.9	Peak	Vertical
	11064.0	35.1	15.8	50.9	74.0	-23.1	Peak	Vertical
*	13461.0	34.4	16.7	51.1	68.2	-17.1	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/m)

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

Test Site	NS-AC1	Test Engineer	Ted Chen
Test Date	2023-06-05	Test Mode	802.11ac-VHT20 – Channel 144
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
	8199.5	36.4	9.2	45.6	74.0	-28.4	Peak	Horizontal
*	10129.0	35.8	13.1	48.9	68.2	-19.3	Peak	Horizontal
	11310.5	34.9	15.6	50.5	74.0	-23.5	Peak	Horizontal
*	12900.0	34.8	14.8	49.6	68.2	-18.6	Peak	Horizontal
	8114.5	36.5	9.1	45.6	74.0	-28.4	Peak	Vertical
*	8837.0	35.7	12.3	48.0	68.2	-20.2	Peak	Vertical
	10979.0	35.1	14.8	49.9	74.0	-24.1	Peak	Vertical
*	12781.0	33.8	14.8	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/m)

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

Test Site	NS-AC1	Test Engineer	Ted Chen
Test Date	2023-06-05	Test Mode	802.11ac-VHT20 – Channel 149
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
	8369.5	36.4	9.8	46.2	74.0	-27.8	Peak	Horizontal
*	10469.0	35.0	14.1	49.1	68.2	-19.1	Peak	Horizontal
	11081.0	33.9	16.1	50.0	74.0	-24.0	Peak	Horizontal
*	13027.5	33.5	15.6	49.1	68.2	-19.1	Peak	Horizontal
	8446.0	36.0	10.5	46.5	74.0	-27.5	Peak	Vertical
*	9823.0	36.5	12.5	49.0	68.2	-19.2	Peak	Vertical
	10817.5	34.9	14.8	49.7	74.0	-24.3	Peak	Vertical
*	13248.5	33.6	15.5	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/m)

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

Test Site	NS-AC1	Test Engineer	Ted Chen
Test Date	2023-06-05	Test Mode	802.11ac-VHT20 – Channel 157
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
	8420.5	36.0	9.9	45.9	74.0	-28.1	Peak	Horizontal
*	9891.0	35.3	12.8	48.1	68.2	-20.1	Peak	Horizontal
	11081.0	33.7	16.1	49.8	74.0	-24.2	Peak	Horizontal
*	13537.5	33.9	16.8	50.7	68.2	-17.5	Peak	Horizontal
	8378.0	36.0	9.9	45.9	74.0	-28.1	Peak	Vertical
*	9823.0	35.5	12.5	48.0	68.2	-20.2	Peak	Vertical
	10817.5	35.2	14.8	50.0	74.0	-24.0	Peak	Vertical
*	12985.0	34.0	15.4	49.4	68.2	-18.8	Peak	Vertical

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

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

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

Test Site	NS-AC1	Test Engineer	Ted Chen
Test Date	2023-06-05	Test Mode	802.11ac-VHT20 – Channel 165
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
	8046.5	37.1	9.0	46.1	74.0	-27.9	Peak	Horizontal
*	9942.0	34.4	12.5	46.9	68.2	-21.3	Peak	Horizontal
	11208.5	34.4	15.3	49.7	74.0	-24.3	Peak	Horizontal
*	13121.0	34.0	14.7	48.7	68.2	-19.5	Peak	Horizontal
	8148.5	37.0	9.0	46.0	74.0	-28.0	Peak	Vertical
*	9823.0	35.4	12.5	47.9	68.2	-20.3	Peak	Vertical
	11055.5	35.2	15.3	50.5	74.0	-23.5	Peak	Vertical
*	12721.5	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/m)

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

Test Site	NS-AC1	Test Engineer	Ted Chen
Test Date	2023-06-05	Test Mode	802.11ac-VHT40 – Channel 38
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
	8063.5	36.9	9.2	46.1	74.0	-27.9	Peak	Horizontal
*	9789.0	36.2	12.3	48.5	68.2	-19.7	Peak	Horizontal
	11038.5	35.4	15.1	50.5	74.0	-23.5	Peak	Horizontal
*	13223.0	34.6	15.9	50.5	68.2	-17.7	Peak	Horizontal
	8446.0	35.7	10.5	46.2	74.0	-27.8	Peak	Vertical
*	9763.5	35.2	12.3	47.5	68.2	-20.7	Peak	Vertical
	11089.5	34.8	15.6	50.4	74.0	-23.6	Peak	Vertical
*	13146.5	34.0	15.7	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/m)

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

Test Site	NS-AC1	Test Engineer	Ted Chen
Test Date	2023-06-05	Test Mode	802.11ac-VHT40 – Channel 46
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
	8446.0	35.7	10.5	46.2	74.0	-27.8	Peak	Horizontal
*	9814.5	35.8	12.5	48.3	68.2	-19.9	Peak	Horizontal
	11047.0	35.9	14.9	50.8	74.0	-23.2	Peak	Horizontal
*	13478.0	33.9	17.3	51.2	68.2	-17.0	Peak	Horizontal
	8403.5	36.9	9.8	46.7	74.0	-27.3	Peak	Vertical
*	9534.0	36.0	11.8	47.8	68.2	-20.4	Peak	Vertical
	10945.0	35.4	15.0	50.4	74.0	-23.6	Peak	Vertical
*	13019.0	33.4	15.4	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/m)

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

Test Site	NS-AC1	Test Engineer	Ted Chen
Test Date	2023-06-05	Test Mode	802.11ac-VHT40 – Channel 54
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
	8029.5	36.2	9.5	45.7	74.0	-28.3	Peak	Horizontal
*	10392.5	34.8	14.1	48.9	68.2	-19.3	Peak	Horizontal
	11021.5	34.8	15.0	49.8	74.0	-24.2	Peak	Horizontal
*	13155.0	34.4	15.6	50.0	68.2	-18.2	Peak	Horizontal
	8429.0	35.7	10.0	45.7	74.0	-28.3	Peak	Vertical
*	9840.0	34.9	12.6	47.5	68.2	-20.7	Peak	Vertical
	11047.0	35.2	14.9	50.1	74.0	-23.9	Peak	Vertical
*	12849.0	33.6	15.0	48.6	68.2	-19.6	Peak	Vertical

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

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

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

Test Site	NS-AC1	Test Engineer	Ted Chen
Test Date	2023-06-05	Test Mode	802.11ac-VHT40 – Channel 62
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
	8114.5	37.3	9.1	46.4	74.0	-27.6	Peak	Horizontal
*	10052.5	34.9	13.2	48.1	68.2	-20.1	Peak	Horizontal
	11506.0	34.6	15.6	50.2	74.0	-23.8	Peak	Horizontal
*	13044.5	34.1	15.5	49.6	68.2	-18.6	Peak	Horizontal
	8046.5	36.7	9.4	46.1	74.0	-27.9	Peak	Vertical
*	10384.0	35.5	14.1	49.6	68.2	-18.6	Peak	Vertical
	11089.5	34.2	15.6	49.8	74.0	-24.2	Peak	Vertical
*	12925.5	34.1	15.5	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/m)

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

Test Site	NS-AC1	Test Engineer	Ted Chen
Test Date	2023-06-05	Test Mode	802.11ac-VHT40 – Channel 102
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
	8454.5	35.6	10.5	46.1	74.0	-27.9	Peak	Horizontal
*	9882.5	34.9	12.8	47.7	68.2	-20.5	Peak	Horizontal
	10945.0	35.4	15.0	50.4	74.0	-23.6	Peak	Horizontal
*	12993.5	34.1	15.4	49.5	68.2	-18.7	Peak	Horizontal
	8454.5	35.4	10.5	45.9	74.0	-28.1	Peak	Vertical
*	9831.5	36.1	12.6	48.7	68.2	-19.5	Peak	Vertical
	11132.0	34.8	15.4	50.2	74.0	-23.8	Peak	Vertical
*	16997.0	34.0	19.1	53.1	68.2	-15.1	Peak	Vertical

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

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

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

Test Site	NS-AC1	Test Engineer	Ted Chen
Test Date	2023-06-05	Test Mode	802.11ac-VHT40 – Channel 110
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
	8437.5	35.9	10.2	46.1	74.0	-27.9	Peak	Horizontal
*	9831.5	35.4	12.6	48.0	68.2	-20.2	Peak	Horizontal
	11038.5	34.5	15.1	49.6	74.0	-24.4	Peak	Horizontal
*	13121.0	33.7	15.6	49.3	68.2	-18.9	Peak	Horizontal
	8454.5	35.3	10.5	45.8	74.0	-28.2	Peak	Vertical
*	9831.5	35.3	12.6	47.9	68.2	-20.3	Peak	Vertical
	11047.0	35.0	14.9	49.9	74.0	-24.1	Peak	Vertical
*	12857.5	34.2	15.2	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/m)

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

Test Site	NS-AC1	Test Engineer	Ted Chen
Test Date	2023-06-05	Test Mode	802.11ac-VHT40 – Channel 134
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
	8463.0	36.3	10.4	46.7	74.0	-27.3	Peak	Horizontal
*	10375.5	35.4	13.9	49.3	68.2	-18.9	Peak	Horizontal
	11208.5	34.4	15.8	50.2	74.0	-23.8	Peak	Horizontal
*	13248.5	33.9	15.5	49.4	68.2	-18.8	Peak	Horizontal
	8463.0	34.1	10.4	44.5	74.0	-29.5	Peak	Vertical
*	9891.0	35.0	12.8	47.8	68.2	-20.4	Peak	Vertical
	11591.0	34.5	15.6	50.1	74.0	-23.9	Peak	Vertical
*	16716.5	33.9	18.8	52.7	68.2	-15.5	Peak	Vertical

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

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

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

Test Site	NS-AC1	Test Engineer	Ted Chen
Test Date	2023-06-05	Test Mode	802.11ac-VHT40 – Channel 142
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
	8378.0	36.1	9.9	46.0	74.0	-28.0	Peak	Horizontal
*	10545.5	35.7	13.8	49.5	68.2	-18.7	Peak	Horizontal
	11081.0	34.5	16.1	50.6	74.0	-23.4	Peak	Horizontal
*	13631.0	33.9	16.6	50.5	68.2	-17.7	Peak	Horizontal
	8369.5	36.0	9.8	45.8	74.0	-28.2	Peak	Vertical
*	9840.0	35.6	12.6	48.2	68.2	-20.0	Peak	Vertical
	11633.5	34.3	15.8	50.1	74.0	-23.9	Peak	Vertical
*	12891.5	32.9	15.0	47.9	68.2	-20.3	Peak	Vertical

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

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

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

Test Site	NS-AC1	Test Engineer	Ted Chen
Test Date	2023-06-05	Test Mode	802.11ac-VHT40 – Channel 151
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
	8123.0	36.3	9.2	45.5	74.0	-28.5	Peak	Horizontal
*	9534.0	36.2	11.8	48.0	68.2	-20.2	Peak	Horizontal
	10945.0	34.5	15.0	49.5	74.0	-24.5	Peak	Horizontal
*	12781.0	34.3	14.8	49.1	68.2	-19.1	Peak	Horizontal
	8208.0	36.3	9.2	45.5	74.0	-28.5	Peak	Vertical
*	10452.0	35.3	13.8	49.1	68.2	-19.1	Peak	Vertical
	11081.0	33.9	16.1	50.0	74.0	-24.0	Peak	Vertical
*	13070.0	34.0	15.8	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/m)

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

Test Site	NS-AC1	Test Engineer	Ted Chen
Test Date	2023-06-05	Test Mode	802.11ac-VHT40 – Channel 159
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
	8029.5	35.8	9.5	45.3	74.0	-28.7	Peak	Horizontal
*	9661.5	36.0	11.7	47.7	68.2	-20.5	Peak	Horizontal
	10707.0	35.7	14.4	50.1	74.0	-23.9	Peak	Horizontal
*	12755.5	34.8	14.7	49.5	68.2	-18.7	Peak	Horizontal
	8106.0	36.2	9.0	45.2	74.0	-28.8	Peak	Vertical
*	10392.5	35.1	14.1	49.2	68.2	-19.0	Peak	Vertical
	11429.5	34.3	15.5	49.8	74.0	-24.2	Peak	Vertical
*	13401.5	33.7	16.7	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/m)

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

Test Site	NS-AC1	Test Engineer	Ted Chen
Test Date	2023-06-05	Test Mode	802.11ac-VHT80 – Channel 42
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
	8131.5	37.3	9.1	46.4	74.0	-27.6	Peak	Horizontal
*	10044.0	35.0	13.6	48.6	68.2	-19.6	Peak	Horizontal
	10962.0	35.2	15.3	50.5	74.0	-23.5	Peak	Horizontal
*	12806.5	34.8	14.7	49.5	68.2	-18.7	Peak	Horizontal
	8454.5	36.5	10.5	47.0	74.0	-27.0	Peak	Vertical
*	10052.5	35.2	13.2	48.4	68.2	-19.8	Peak	Vertical
	11030.0	34.6	15.2	49.8	74.0	-24.2	Peak	Vertical
*	12857.5	33.8	15.2	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/m)

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

Test Site	NS-AC1	Test Engineer	Ted Chen
Test Date	2023-06-05	Test Mode	802.11ac-VHT80 – Channel 58
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
	8029.5	36.9	9.5	46.4	74.0	-27.6	Peak	Horizontal
*	10078.0	35.8	12.8	48.6	68.2	-19.6	Peak	Horizontal
	11302.0	34.2	15.9	50.1	74.0	-23.9	Peak	Horizontal
*	12934.0	32.6	15.7	48.3	68.2	-19.9	Peak	Horizontal
	8131.5	36.9	9.1	46.0	74.0	-28.0	Peak	Vertical
*	9823.0	35.7	12.5	48.2	68.2	-20.0	Peak	Vertical
	10962.0	35.8	15.3	51.1	74.0	-22.9	Peak	Vertical
*	14030.5	34.9	17.4	52.3	68.2	-15.9	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/m)

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

Test Site	NS-AC1	Test Engineer	Ted Chen
Test Date	2023-06-05	Test Mode	802.11ac-VHT80 – Channel 106
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
	8437.5	36.0	10.2	46.2	74.0	-27.8	Peak	Horizontal
*	10078.0	35.4	12.8	48.2	68.2	-20.0	Peak	Horizontal
	11030.0	35.1	15.2	50.3	74.0	-23.7	Peak	Horizontal
*	13061.5	34.5	15.6	50.1	68.2	-18.1	Peak	Horizontal
	9398.0	37.2	11.8	49.0	74.0	-25.0	Peak	Vertical
*	9823.0	36.3	12.5	48.8	68.2	-19.4	Peak	Vertical
	11157.5	35.6	15.5	51.1	74.0	-22.9	Peak	Vertical
*	13129.5	33.1	15.7	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/m)

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

Test Site	NS-AC1	Test Engineer	Ted Chen
Test Date	2023-06-05	Test Mode	802.11ac-VHT80 – Channel 122
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
	8488.5	35.6	10.6	46.2	74.0	-27.8	Peak	Horizontal
*	9593.5	36.6	11.5	48.1	68.2	-20.1	Peak	Horizontal
	11081.0	34.1	16.1	50.2	74.0	-23.8	Peak	Horizontal
*	16708.0	34.2	19.1	53.3	68.2	-14.9	Peak	Horizontal
	8123.0	36.5	9.2	45.7	74.0	-28.3	Peak	Vertical
*	9797.5	35.9	12.4	48.3	68.2	-19.9	Peak	Vertical
	11225.5	35.0	15.8	50.8	74.0	-23.2	Peak	Vertical
*	13639.5	34.9	16.6	51.5	68.2	-16.7	Peak	Vertical

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

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

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

Test Site	NS-AC1	Test Engineer	Ted Chen
Test Date	2023-06-05	Test Mode	802.11ac-VHT80 – Channel 138
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
	8344.0	37.1	9.6	46.7	74.0	-27.3	Peak	Horizontal
*	9891.0	36.0	12.8	48.8	68.2	-19.4	Peak	Horizontal
	11548.5	35.2	15.7	50.9	74.0	-23.1	Peak	Horizontal
*	16886.5	34.4	18.9	53.3	68.2	-14.9	Peak	Horizontal
	8046.5	37.2	9.4	46.6	74.0	-27.4	Peak	Vertical
*	9814.5	35.5	12.5	48.0	68.2	-20.2	Peak	Vertical
	11642.0	34.7	16.0	50.7	74.0	-23.3	Peak	Vertical
*	12840.5	34.3	14.9	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/m)

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

Test Site	NS-AC1	Test Engineer	Ted Chen
Test Date	2023-06-05	Test Mode	802.11ac-VHT80 – Channel 155
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
	8293.0	35.8	9.3	45.1	74.0	-28.9	Peak	Horizontal
*	9823.0	35.7	12.5	48.2	68.2	-20.0	Peak	Horizontal
	11072.5	35.0	15.9	50.9	74.0	-23.1	Peak	Horizontal
*	13070.0	31.9	15.8	47.7	68.2	-20.5	Peak	Horizontal
	8089.0	37.2	9.4	46.6	74.0	-27.4	Peak	Vertical
*	9891.0	35.5	12.8	48.3	68.2	-19.9	Peak	Vertical
	11472.0	34.5	15.8	50.3	74.0	-23.7	Peak	Vertical
*	13121.0	33.4	15.6	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/m)

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

Test Site	NS-AC1	Test Engineer	Ted Chen
Test Date	2023-06-05	Test Mode	802.11ax-HE20 – Channel 36
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
	8369.5	36.0	9.8	45.8	74.0	-28.2	Peak	Horizontal
*	9891.0	36.0	12.8	48.8	68.2	-19.4	Peak	Horizontal
	11047.0	35.1	14.9	50.0	74.0	-24.0	Peak	Horizontal
*	13138.0	33.9	15.8	49.7	68.2	-18.5	Peak	Horizontal
	8140.0	36.5	9.0	45.5	74.0	-28.5	Peak	Vertical
*	9814.5	35.3	12.5	47.8	68.2	-20.4	Peak	Vertical
	10962.0	34.8	15.3	50.1	74.0	-23.9	Peak	Vertical
*	12823.5	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/m)

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

Test Site	NS-AC1	Test Engineer	Ted Chen
Test Date	2023-06-05	Test Mode	802.11ax-HE20 – Channel 44
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
	8046.5	36.6	9.4	46.0	74.0	-28.0	Peak	Horizontal
*	10214.0	35.7	12.9	48.6	68.2	-19.6	Peak	Horizontal
	10945.0	35.4	15.0	50.4	74.0	-23.6	Peak	Horizontal
*	13214.5	34.1	15.7	49.8	68.2	-18.4	Peak	Horizontal
	8191.0	36.7	9.2	45.9	74.0	-28.1	Peak	Vertical
*	10469.0	36.2	14.1	50.3	68.2	-17.9	Peak	Vertical
	11208.5	35.0	15.8	50.8	74.0	-23.2	Peak	Vertical
*	13036.0	33.2	15.7	48.9	68.2	-19.3	Peak	Vertical

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

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

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

Test Site	NS-AC1	Test Engineer	Ted Chen
Test Date	2023-06-05	Test Mode	802.11ax-HE20 – Channel 48
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
	8446.0	36.1	10.5	46.6	74.0	-27.4	Peak	Horizontal
*	9755.0	36.8	12.4	49.2	68.2	-19.0	Peak	Horizontal
	11030.0	34.8	15.2	50.0	74.0	-24.0	Peak	Horizontal
*	13070.0	33.6	15.8	49.4	68.2	-18.8	Peak	Horizontal
	8378.0	35.8	9.9	45.7	74.0	-28.3	Peak	Vertical
*	10477.5	35.9	14.2	50.1	68.2	-18.1	Peak	Vertical
	11200.0	34.3	15.6	49.9	74.0	-24.1	Peak	Vertical
*	13010.5	32.4	15.4	47.8	68.2	-20.4	Peak	Vertical

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

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

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

Test Site	NS-AC1	Test Engineer	Ted Chen
Test Date	2023-06-05	Test Mode	802.11ax-HE20 – Channel 52
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
	8191.0	37.2	9.2	46.4	74.0	-27.6	Peak	Horizontal
*	9755.0	35.4	12.4	47.8	68.2	-20.4	Peak	Horizontal
	11081.0	34.0	16.1	50.1	74.0	-23.9	Peak	Horizontal
*	13214.5	33.6	15.7	49.3	68.2	-18.9	Peak	Horizontal
	8055.0	37.3	9.3	46.6	74.0	-27.4	Peak	Vertical
*	10375.5	35.6	13.9	49.5	68.2	-18.7	Peak	Vertical
	10928.0	35.7	14.7	50.4	74.0	-23.6	Peak	Vertical
*	12781.0	35.3	14.8	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/m)

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

Test Site	NS-AC1	Test Engineer	Ted Chen
Test Date	2023-06-05	Test Mode	802.11ax-HE20 – Channel 60
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
	8437.5	35.6	10.2	45.8	74.0	-28.2	Peak	Horizontal
*	10163.0	35.6	13.1	48.7	68.2	-19.5	Peak	Horizontal
	10885.5	35.1	14.8	49.9	74.0	-24.1	Peak	Horizontal
*	13010.5	32.5	15.4	47.9	68.2	-20.3	Peak	Horizontal
	8038.0	36.9	9.6	46.5	74.0	-27.5	Peak	Vertical
*	9789.0	36.1	12.3	48.4	68.2	-19.8	Peak	Vertical
	11098.0	35.1	15.2	50.3	74.0	-23.7	Peak	Vertical
*	12721.5	34.9	14.7	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/m)

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

Test Site	NS-AC1	Test Engineer	Ted Chen
Test Date	2023-06-05	Test Mode	802.11ax-HE20 – Channel 64
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
	8072.0	36.9	9.2	46.1	74.0	-27.9	Peak	Horizontal
*	10469.0	36.1	14.1	50.2	68.2	-18.0	Peak	Horizontal
	11081.0	34.1	16.1	50.2	74.0	-23.8	Peak	Horizontal
*	16223.5	35.6	15.7	51.3	68.2	-16.9	Peak	Horizontal
	8191.0	36.6	9.2	45.8	74.0	-28.2	Peak	Vertical
*	9831.5	36.1	12.6	48.7	68.2	-19.5	Peak	Vertical
	11472.0	34.7	15.8	50.5	74.0	-23.5	Peak	Vertical
*	12925.5	34.5	15.5	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/m)

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

Test Site	NS-AC1	Test Engineer	Ted Chen
Test Date	2023-06-05	Test Mode	802.11ax-HE20 – Channel 100
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
	8301.5	36.5	9.3	45.8	74.0	-28.2	Peak	Horizontal
*	9899.5	36.1	12.5	48.6	68.2	-19.6	Peak	Horizontal
	11208.5	34.3	15.8	50.1	74.0	-23.9	Peak	Horizontal
*	13036.0	34.2	15.7	49.9	68.2	-18.3	Peak	Horizontal
	8344.0	36.3	9.6	45.9	74.0	-28.1	Peak	Vertical
*	10001.5	35.3	13.0	48.3	68.2	-19.9	Peak	Vertical
	10962.0	35.5	15.3	50.8	74.0	-23.2	Peak	Vertical
*	12951.0	34.3	15.6	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/m)

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

Test Site	NS-AC1	Test Engineer	Ted Chen
Test Date	2023-06-05	Test Mode	802.11ax-HE20 – Channel 116
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
	8123.0	36.6	9.2	45.8	74.0	-28.2	Peak	Horizontal
*	9823.0	36.3	12.5	48.8	68.2	-19.4	Peak	Horizontal
	11472.0	34.1	15.8	49.9	74.0	-24.1	Peak	Horizontal
*	12874.5	34.4	15.3	49.7	68.2	-18.5	Peak	Horizontal
	8199.5	35.9	9.2	45.1	74.0	-28.9	Peak	Vertical
*	10282.0	35.4	13.8	49.2	68.2	-19.0	Peak	Vertical
	11030.0	35.4	15.2	50.6	74.0	-23.4	Peak	Vertical
*	12951.0	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/m)

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

Test Site	NS-AC1	Test Engineer	Ted Chen
Test Date	2023-06-05	Test Mode	802.11ax-HE20 – Channel 140
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
	8420.5	35.6	9.9	45.5	74.0	-28.5	Peak	Horizontal
*	9814.5	35.8	12.5	48.3	68.2	-19.9	Peak	Horizontal
	11098.0	35.3	15.2	50.5	74.0	-23.5	Peak	Horizontal
*	16708.0	34.1	19.1	53.2	68.2	-15.0	Peak	Horizontal
	8395.0	36.7	9.8	46.5	74.0	-27.5	Peak	Vertical
*	10452.0	36.0	13.8	49.8	68.2	-18.4	Peak	Vertical
	11089.5	35.3	15.6	50.9	74.0	-23.1	Peak	Vertical
*	17345.5	34.9	21.6	56.5	68.2	-11.7	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/m)

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

Test Site	NS-AC1	Test Engineer	Ted Chen
Test Date	2023-06-05	Test Mode	802.11ax-HE20 – Channel 144
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
	8378.0	36.5	9.9	46.4	74.0	-27.6	Peak	Horizontal
*	10392.5	35.1	14.1	49.2	68.2	-19.0	Peak	Horizontal
	11421.0	34.9	15.7	50.6	74.0	-23.4	Peak	Horizontal
*	17065.0	34.6	19.9	54.5	68.2	-13.7	Peak	Horizontal
	8386.5	35.9	9.8	45.7	74.0	-28.3	Peak	Vertical
*	9687.0	36.9	11.8	48.7	68.2	-19.5	Peak	Vertical
	11064.0	36.2	15.8	52.0	74.0	-22.0	Peak	Vertical
*	12942.5	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 dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Test Site	NS-AC1	Test Engineer	Ted Chen
Test Date	2023-06-05	Test Mode	802.11ax-HE20 – Channel 149
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
	8446.0	36.3	10.5	46.8	74.0	-27.2	Peak	Horizontal
*	10486.0	35.8	14.3	50.1	68.2	-18.1	Peak	Horizontal
	11089.5	35.8	15.6	51.4	74.0	-22.6	Peak	Horizontal
*	12866.0	33.5	15.3	48.8	68.2	-19.4	Peak	Horizontal
	9134.5	33.9	12.2	46.1	74.0	-27.9	Peak	Vertical
*	9831.5	36.4	12.6	49.0	68.2	-19.2	Peak	Vertical
	10800.5	35.1	14.7	49.8	74.0	-24.2	Peak	Vertical
*	12908.5	33.9	15.1	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/m)

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

Test Site	NS-AC1	Test Engineer	Ted Chen
Test Date	2023-06-05	Test Mode	802.11ax-HE20 – Channel 157
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
	8437.5	36.2	10.2	46.4	74.0	-27.6	Peak	Horizontal
*	10282.0	35.5	13.8	49.3	68.2	-18.9	Peak	Horizontal
	11038.5	34.9	15.1	50.0	74.0	-24.0	Peak	Horizontal
*	17337.0	33.7	21.5	55.2	68.2	-13.0	Peak	Horizontal
	8055.0	37.1	9.3	46.4	74.0	-27.6	Peak	Vertical
*	9831.5	36.1	12.6	48.7	68.2	-19.5	Peak	Vertical
	10962.0	35.0	15.3	50.3	74.0	-23.7	Peak	Vertical
*	13597.0	34.5	17.2	51.7	68.2	-16.5	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/m)

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

Test Site	NS-AC1	Test Engineer	Ted Chen
Test Date	2023-06-05	Test Mode	802.11ax-HE20 – Channel 165
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
	8395.0	35.7	9.8	45.5	74.0	-28.5	Peak	Horizontal
*	9899.5	36.4	12.5	48.9	68.2	-19.3	Peak	Horizontal
	11115.0	35.7	15.2	50.9	74.0	-23.1	Peak	Horizontal
*	17354.0	33.9	21.6	55.5	68.2	-12.7	Peak	Horizontal
	8446.0	36.0	10.5	46.5	74.0	-27.5	Peak	Vertical
*	9993.0	33.5	12.9	46.4	68.2	-21.8	Peak	Vertical
	10783.5	36.8	14.5	51.3	74.0	-22.7	Peak	Vertical
*	13223.0	34.1	15.9	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/m)

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

Test Site	NS-AC1	Test Engineer	Ted Chen
Test Date	2023-06-05	Test Mode	802.11ax-HE40 – Channel 38
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
	8123.0	37.1	9.2	46.3	74.0	-27.7	Peak	Horizontal
*	10052.5	35.7	13.2	48.9	68.2	-19.3	Peak	Horizontal
	11038.5	35.2	15.1	50.3	74.0	-23.7	Peak	Horizontal
*	12874.5	34.5	15.3	49.8	68.2	-18.4	Peak	Horizontal
	8310.0	36.4	9.3	45.7	74.0	-28.3	Peak	Vertical
*	9882.5	36.5	12.8	49.3	68.2	-18.9	Peak	Vertical
	11208.5	34.6	15.8	50.4	74.0	-23.6	Peak	Vertical
*	12798.0	35.1	14.7	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/m)

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

Test Site	NS-AC1	Test Engineer	Ted Chen
Test Date	2023-06-05	Test Mode	802.11ax-HE40 – Channel 46
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
	8157.0	36.7	9.0	45.7	74.0	-28.3	Peak	Horizontal
*	10392.5	35.3	14.1	49.4	68.2	-18.8	Peak	Horizontal
	11081.0	34.2	16.1	50.3	74.0	-23.7	Peak	Horizontal
*	13027.5	33.6	15.6	49.2	68.2	-19.0	Peak	Horizontal
	8369.5	36.8	9.8	46.6	74.0	-27.4	Peak	Vertical
*	9823.0	36.9	12.5	49.4	68.2	-18.8	Peak	Vertical
	11030.0	34.9	15.2	50.1	74.0	-23.9	Peak	Vertical
*	12951.0	33.7	15.6	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/m)

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

Test Site	NS-AC1	Test Engineer	Ted Chen
Test Date	2023-06-05	Test Mode	802.11ax-HE40 – Channel 54
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
	8191.0	37.1	9.2	46.3	74.0	-27.7	Peak	Horizontal
*	9746.5	36.2	12.3	48.5	68.2	-19.7	Peak	Horizontal
	11030.0	35.0	15.2	50.2	74.0	-23.8	Peak	Horizontal
*	12849.0	33.9	15.0	48.9	68.2	-19.3	Peak	Horizontal
	8386.5	36.4	9.8	46.2	74.0	-27.8	Peak	Vertical
*	10282.0	36.2	13.8	50.0	68.2	-18.2	Peak	Vertical
	11140.5	34.6	15.4	50.0	74.0	-24.0	Peak	Vertical
*	12942.5	33.9	15.6	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/m)

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

Test Site	NS-AC1	Test Engineer	Ted Chen
Test Date	2023-06-05	Test Mode	802.11ax-HE40 – Channel 62
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
	8361.0	35.7	9.7	45.4	74.0	-28.6	Peak	Horizontal
*	9746.5	35.8	12.3	48.1	68.2	-20.1	Peak	Horizontal
	11089.5	34.7	15.6	50.3	74.0	-23.7	Peak	Horizontal
*	12866.0	34.2	15.3	49.5	68.2	-18.7	Peak	Horizontal
	8369.5	36.3	9.8	46.1	74.0	-27.9	Peak	Vertical
*	10146.0	35.4	13.2	48.6	68.2	-19.6	Peak	Vertical
	11072.5	33.9	15.9	49.8	74.0	-24.2	Peak	Vertical
*	12951.0	34.1	15.6	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/m)

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

Test Site	NS-AC1	Test Engineer	Ted Chen
Test Date	2023-06-05	Test Mode	802.11ax-HE40 – Channel 102
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
	8344.0	35.9	9.6	45.5	74.0	-28.5	Peak	Horizontal
*	10146.0	36.2	13.2	49.4	68.2	-18.8	Peak	Horizontal
	11523.0	34.5	15.5	50.0	74.0	-24.0	Peak	Horizontal
*	12951.0	32.2	15.6	47.8	68.2	-20.4	Peak	Horizontal
	8454.5	36.5	10.5	47.0	74.0	-27.0	Peak	Vertical
*	9653.0	36.4	11.8	48.2	68.2	-20.0	Peak	Vertical
	11064.0	34.8	15.8	50.6	74.0	-23.4	Peak	Vertical
*	12874.5	33.7	15.3	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/m)

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

Test Site	NS-AC1	Test Engineer	Ted Chen
Test Date	2023-06-05	Test Mode	802.11ax-HE40 – Channel 110
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
	8038.0	36.6	9.6	46.2	74.0	-27.8	Peak	Horizontal
*	10044.0	35.0	13.6	48.6	68.2	-19.6	Peak	Horizontal
	11072.5	34.9	15.9	50.8	74.0	-23.2	Peak	Horizontal
*	16699.5	34.2	18.7	52.9	68.2	-15.3	Peak	Horizontal
	8361.0	35.9	9.7	45.6	74.0	-28.4	Peak	Vertical
*	10384.0	35.7	14.1	49.8	68.2	-18.4	Peak	Vertical
	11089.5	34.8	15.6	50.4	74.0	-23.6	Peak	Vertical
*	12908.5	34.2	15.1	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/m)

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

Test Site	NS-AC1	Test Engineer	Ted Chen
Test Date	2023-06-05	Test Mode	802.11ax-HE40 – Channel 134
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
	8080.5	36.6	9.3	45.9	74.0	-28.1	Peak	Horizontal
*	9814.5	35.8	12.5	48.3	68.2	-19.9	Peak	Horizontal
	11157.5	34.4	15.5	49.9	74.0	-24.1	Peak	Horizontal
*	13214.5	34.0	15.7	49.7	68.2	-18.5	Peak	Horizontal
	8352.5	37.3	9.7	47.0	74.0	-27.0	Peak	Vertical
*	9933.5	35.8	12.9	48.7	68.2	-19.5	Peak	Vertical
	10962.0	35.4	15.3	50.7	74.0	-23.3	Peak	Vertical
*	13121.0	34.5	15.6	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/m)

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

Test Site	NS-AC1	Test Engineer	Ted Chen
Test Date	2023-06-05	Test Mode	802.11ax-HE40 – Channel 142
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
	8480.0	35.2	10.6	45.8	74.0	-28.2	Peak	Horizontal
*	9755.0	36.0	12.4	48.4	68.2	-19.8	Peak	Horizontal
	11557.0	34.9	15.9	50.8	74.0	-23.2	Peak	Horizontal
*	13129.5	33.7	15.7	49.4	68.2	-18.8	Peak	Horizontal
	8361.0	36.9	9.7	46.6	74.0	-27.4	Peak	Vertical
*	9729.5	36.0	12.1	48.1	68.2	-20.1	Peak	Vertical
	11132.0	35.0	15.4	50.4	74.0	-23.6	Peak	Vertical
*	17354.0	34.2	21.6	55.8	68.2	-12.4	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/m)

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

Test Site	NS-AC1	Test Engineer	Ted Chen
Test Date	2023-06-05	Test Mode	802.11ax-HE40 – Channel 151
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
	8488.5	35.3	10.6	45.9	74.0	-28.1	Peak	Horizontal
*	10146.0	35.2	13.2	48.4	68.2	-19.8	Peak	Horizontal
	11030.0	35.1	15.2	50.3	74.0	-23.7	Peak	Horizontal
*	13027.5	33.0	15.6	48.6	68.2	-19.6	Peak	Horizontal
	8437.5	35.6	10.2	45.8	74.0	-28.2	Peak	Vertical
*	10282.0	35.4	13.8	49.2	68.2	-19.0	Peak	Vertical
	10775.0	35.4	14.5	49.9	74.0	-24.1	Peak	Vertical
*	13214.5	33.6	15.7	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/m)

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

Test Site	NS-AC1	Test Engineer	Ted Chen
Test Date	2023-06-05	Test Mode	802.11ax-HE40 – Channel 159
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
	8038.0	36.7	9.6	46.3	74.0	-27.7	Peak	Horizontal
*	9823.0	35.1	12.5	47.6	68.2	-20.6	Peak	Horizontal
	11208.5	34.1	15.8	49.9	74.0	-24.1	Peak	Horizontal
*	17345.5	34.5	21.6	56.1	68.2	-12.1	Peak	Horizontal
	8369.5	35.9	9.8	45.7	74.0	-28.3	Peak	Vertical
*	10460.5	36.1	14.0	50.1	68.2	-18.1	Peak	Vertical
	11157.5	34.7	15.5	50.2	74.0	-23.8	Peak	Vertical
*	13070.0	32.5	15.8	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/m)

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

Test Site	NS-AC1	Test Engineer	Ted Chen
Test Date	2023-06-05	Test Mode	802.11ax-HE80 – Channel 42
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
	8199.5	35.5	9.2	44.7	74.0	-29.3	Peak	Horizontal
*	10146.0	35.3	13.2	48.5	68.2	-19.7	Peak	Horizontal
	11472.0	34.4	15.8	50.2	74.0	-23.8	Peak	Horizontal
*	13129.5	33.4	15.7	49.1	68.2	-19.1	Peak	Horizontal
	8369.5	37.0	9.8	46.8	74.0	-27.2	Peak	Vertical
*	9891.0	35.4	12.8	48.2	68.2	-20.0	Peak	Vertical
	11030.0	35.0	15.2	50.2	74.0	-23.8	Peak	Vertical
*	13580.0	35.5	17.0	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/m)

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

Test Site	NS-AC1	Test Engineer	Ted Chen
Test Date	2023-06-05	Test Mode	802.11ax-HE80 – Channel 58
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
	8182.5	36.3	9.1	45.4	74.0	-28.6	Peak	Horizontal
*	9797.5	35.6	12.4	48.0	68.2	-20.2	Peak	Horizontal
	10970.5	35.2	15.1	50.3	74.0	-23.7	Peak	Horizontal
*	12951.0	34.3	15.6	49.9	68.2	-18.3	Peak	Horizontal
	8446.0	36.1	10.5	46.6	74.0	-27.4	Peak	Vertical
*	9763.5	37.1	12.3	49.4	68.2	-18.8	Peak	Vertical
	11055.5	35.2	15.3	50.5	74.0	-23.5	Peak	Vertical
*	12874.5	34.2	15.3	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/m)

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

Test Site	NS-AC1	Test Engineer	Ted Chen
Test Date	2023-06-05	Test Mode	802.11ax-HE80 – Channel 106
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
	8395.0	34.5	9.8	44.3	74.0	-29.7	Peak	Horizontal
*	9899.5	36.5	12.5	49.0	68.2	-19.2	Peak	Horizontal
	11642.0	34.4	16.0	50.4	74.0	-23.6	Peak	Horizontal
*	13172.0	34.0	15.2	49.2	68.2	-19.0	Peak	Horizontal
	8157.0	37.2	9.0	46.2	74.0	-27.8	Peak	Vertical
*	10214.0	35.8	12.9	48.7	68.2	-19.5	Peak	Vertical
	11489.0	35.2	15.7	50.9	74.0	-23.1	Peak	Vertical
*	13214.5	33.2	15.7	48.9	68.2	-19.3	Peak	Vertical

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

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

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

Test Site	NS-AC1	Test Engineer	Ted Chen
Test Date	2023-06-05	Test Mode	802.11ax-HE80 – Channel 122
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
	8437.5	35.8	10.2	46.0	74.0	-28.0	Peak	Horizontal
*	9976.0	37.2	12.7	49.9	68.2	-18.3	Peak	Horizontal
	10945.0	34.5	15.0	49.5	74.0	-24.5	Peak	Horizontal
*	12883.0	34.0	15.2	49.2	68.2	-19.0	Peak	Horizontal
	8352.5	36.1	9.7	45.8	74.0	-28.2	Peak	Vertical
*	10154.5	35.2	13.2	48.4	68.2	-19.8	Peak	Vertical
	11191.5	34.6	15.2	49.8	74.0	-24.2	Peak	Vertical
*	12849.0	34.3	15.0	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/m)

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

Test Site	NS-AC1	Test Engineer	Ted Chen
Test Date	2023-06-05	Test Mode	802.11ax-HE80 – Channel 138
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
	8437.5	35.1	10.2	45.3	74.0	-28.7	Peak	Horizontal
*	10384.0	35.5	14.1	49.6	68.2	-18.6	Peak	Horizontal
	12203.0	35.7	14.9	50.6	74.0	-23.4	Peak	Horizontal
*	13231.5	34.6	15.7	50.3	68.2	-17.9	Peak	Horizontal
	8352.5	34.6	9.7	44.3	74.0	-29.7	Peak	Vertical
*	9891.0	35.1	12.8	47.9	68.2	-20.3	Peak	Vertical
	11064.0	34.8	15.8	50.6	74.0	-23.4	Peak	Vertical
*	13223.0	34.4	15.9	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/m)

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

Test Site	NS-AC1	Test Engineer	Ted Chen
Test Date	2023-06-05	Test Mode	802.11ax-HE80 – Channel 155
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
	8038.0	36.2	9.6	45.8	74.0	-28.2	Peak	Horizontal
*	9814.5	35.9	12.5	48.4	68.2	-19.8	Peak	Horizontal
	10979.0	35.5	14.8	50.3	74.0	-23.7	Peak	Horizontal
*	17354.0	33.4	21.6	55.0	68.2	-13.2	Peak	Horizontal
	8429.0	37.6	10.0	47.6	74.0	-26.4	Peak	Vertical
*	10035.5	35.5	13.3	48.8	68.2	-19.4	Peak	Vertical
	11608.0	34.5	16.0	50.5	74.0	-23.5	Peak	Vertical
*	16988.5	34.7	19.2	53.9	68.2	-14.3	Peak	Vertical

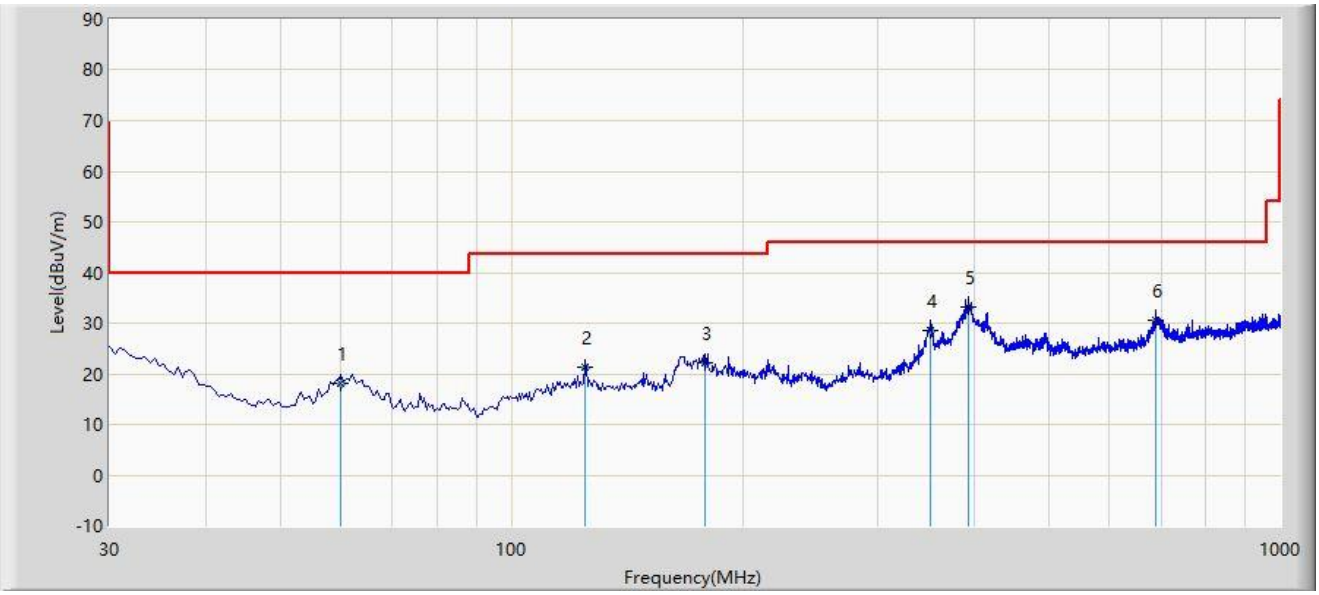
Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

The Result of Radiated Emission below 1GHz:

Site: NS-AC1	Test Date: 2023-06-07
Limit: FCC_Part15.209_RSE(3m)	Engineer: Ted Chen
Probe: NS-AC1_JB1	Polarity: Horizontal
EUT: HAN Access Point (AP431)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at channel 5310MHz	



No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1		60.070	18.101	5.980	-21.899	40.000	12.121	QP
2		124.575	21.319	2.650	-22.181	43.500	18.669	QP
3		178.895	22.046	6.058	-21.454	43.500	15.988	QP
4		351.070	28.448	8.985	-17.552	46.000	19.463	QP
5	*	393.265	33.125	12.651	-12.875	46.000	20.473	QP
6		688.145	30.511	4.667	-15.489	46.000	25.844	QP

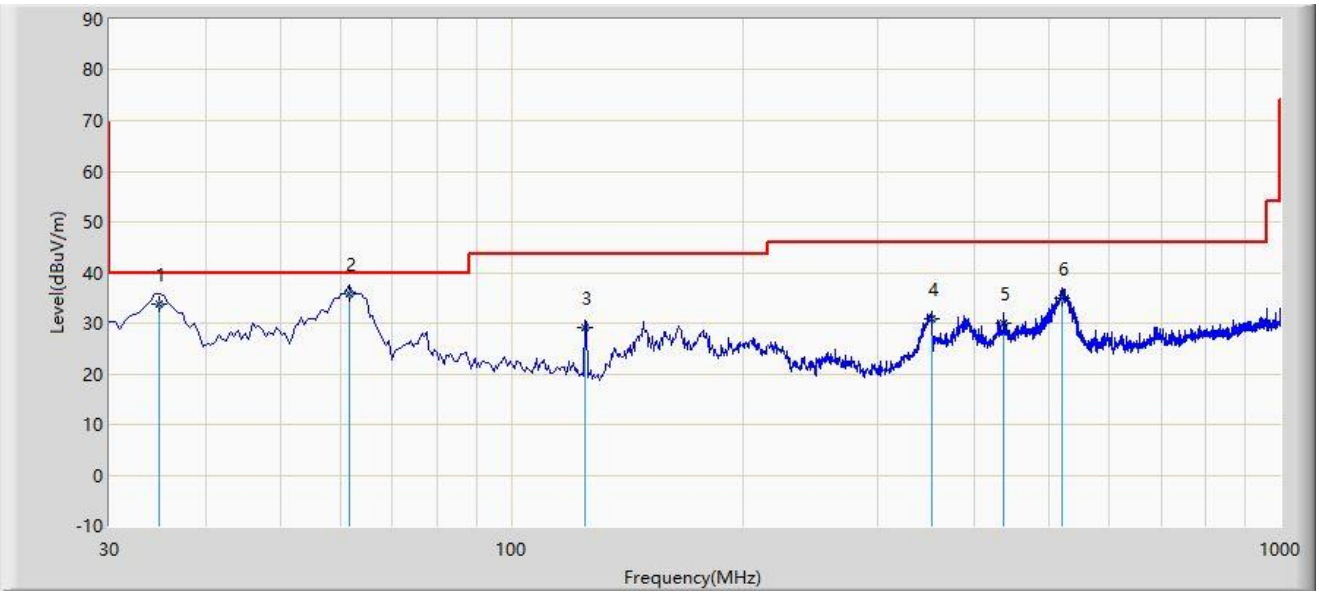
Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Note 4: The amplitude of radiated emissions (frequency range from 9kHz to 30MHz and 18GHz to 40GHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value. Therefore, the data is not presented in the report.

Site: NS-AC1	Test Date: 2023-06-07
Limit: FCC_Part15.209_RSE(3m)	Engineer: Ted Chen
Probe: NS-AC1_JB1	Polarity: Vertical
EUT: HAN Access Point (AP431)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at channel 5310MHz	



No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1		34.850	33.875	11.910	-6.125	40.000	21.965	QP
2	*	61.525	35.757	23.580	-4.243	40.000	12.177	QP
3		124.575	28.999	10.330	-14.501	43.500	18.669	QP
4		351.555	30.768	11.280	-15.232	46.000	19.488	QP
5		437.400	29.907	8.007	-16.093	46.000	21.900	QP
6		520.820	34.876	11.625	-11.124	46.000	23.251	QP

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Note 4: The amplitude of radiated emissions (frequency range from 9kHz to 30MHz and 18GHz to 40GHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value. Therefore, the data is not presented in the report.

Spot Check Test Data of AP411:

Test Site	WZ-AC1	Test Engineer	Carl Jiang
Test Date	2023-06-20	Test Mode	802.11ax-HE20 – Channel 140
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
	8420.5	34.5	8.9	43.4	74.0	-30.6	Peak	Horizontal
*	9814.5	34.6	13.2	47.8	68.2	-20.4	Peak	Horizontal
	11098.0	34.7	13.4	48.1	74.0	-25.9	Peak	Horizontal
*	16708.0	35.6	14.3	49.9	68.2	-18.3	Peak	Horizontal
	8395.0	34.6	8.8	43.4	74.0	-30.6	Peak	Vertical
*	10452.0	33.1	13.5	46.6	68.2	-21.6	Peak	Vertical
	11089.5	34.9	13.4	48.3	74.0	-25.7	Peak	Vertical
*	17345.5	34.5	15.9	50.4	68.2	-17.8	Peak	Vertical

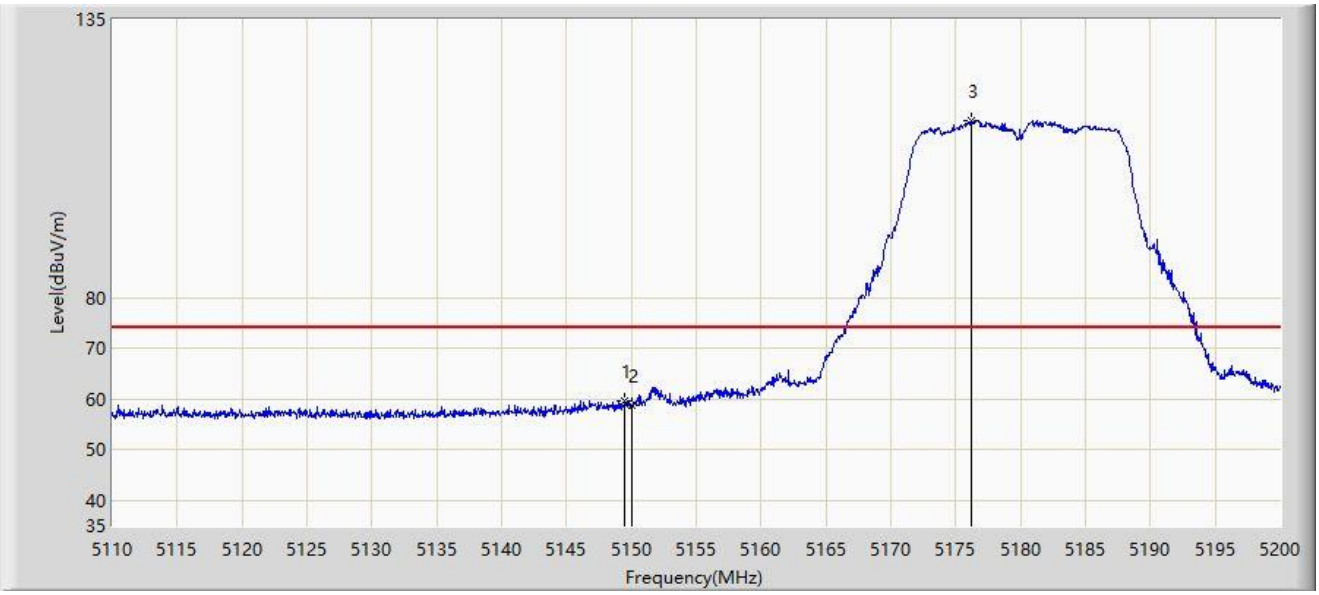
Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

A.8 Radiated Restricted Band Edge Test Result

Site: NS-AC1	Test Date: 2023-05-30
Limit: FCC_5G_RE(3m)	Engineer: Ted Chen
Probe: NS-AC1_BBHA9120D_2111_1-18GHz	Polarity: Horizontal
EUT: HAN Access Point (AP431)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5180MHz	



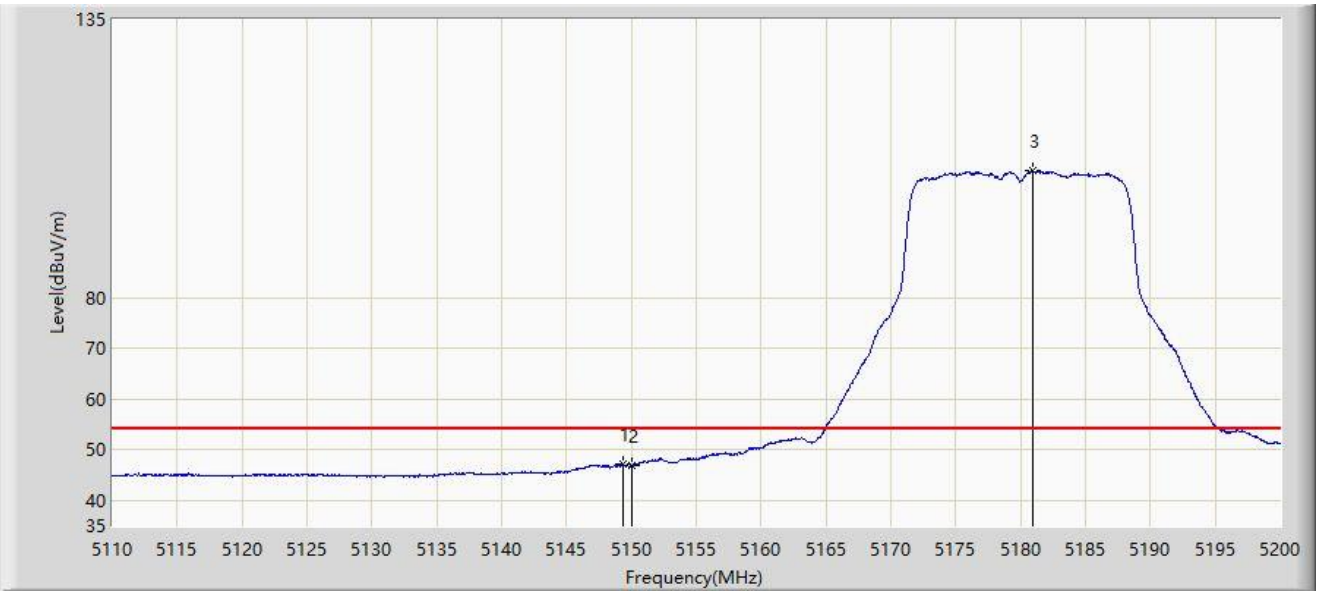
No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1	*	5149.510	59.731	57.168	-14.269	74.000	2.563	PK
2		5150.000	58.785	56.226	-15.215	74.000	2.559	PK
3		5176.195	115.077	112.987	N/A	N/A	2.090	PK

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: NS-AC1	Test Date: 2023-05-30
Limit: FCC_5G_RE(3m)	Engineer: Ted Chen
Probe: NS-AC1_BBHA9120D_2111_1-18GHz	Polarity: Horizontal
EUT: HAN Access Point (AP431)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5180MHz	



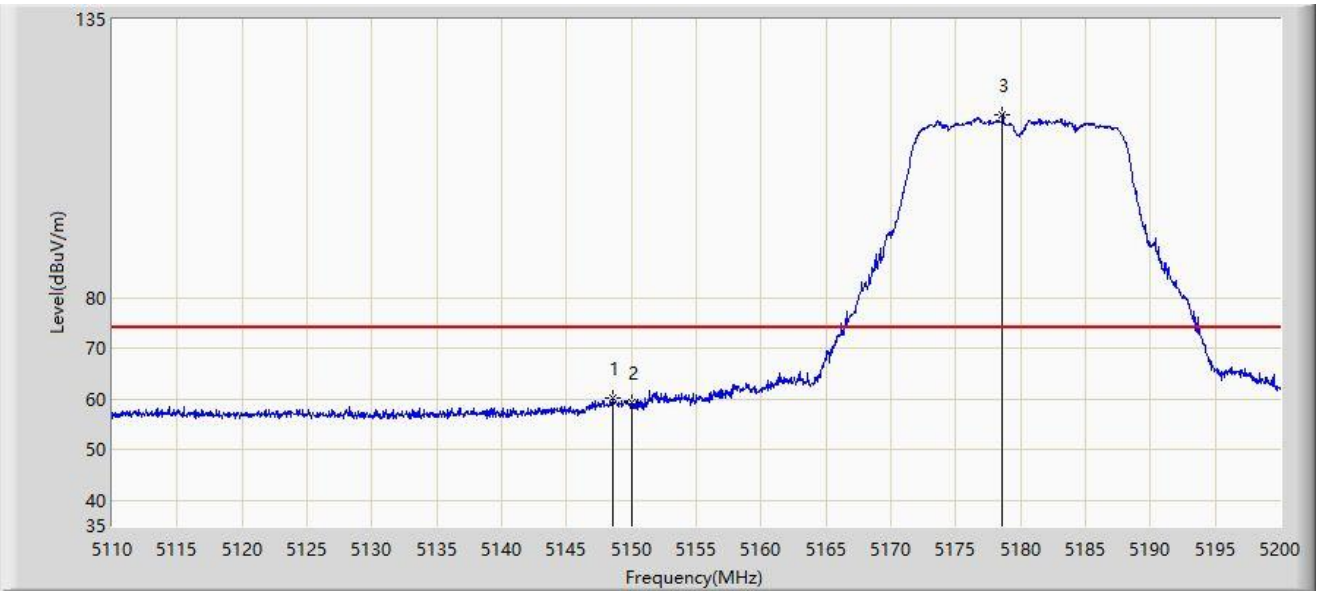
No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1	*	5149.330	47.117	44.553	-6.883	54.000	2.564	AV
2		5150.000	46.932	44.373	-7.068	54.000	2.559	AV
3		5180.920	105.076	103.140	N/A	N/A	1.936	AV

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: NS-AC1	Test Date: 2023-05-30
Limit: FCC_5G_RE(3m)	Engineer: Ted Chen
Probe: NS-AC1_BBHA9120D_2111_1-18GHz	Polarity: Vertical
EUT: HAN Access Point (AP431)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5180MHz	



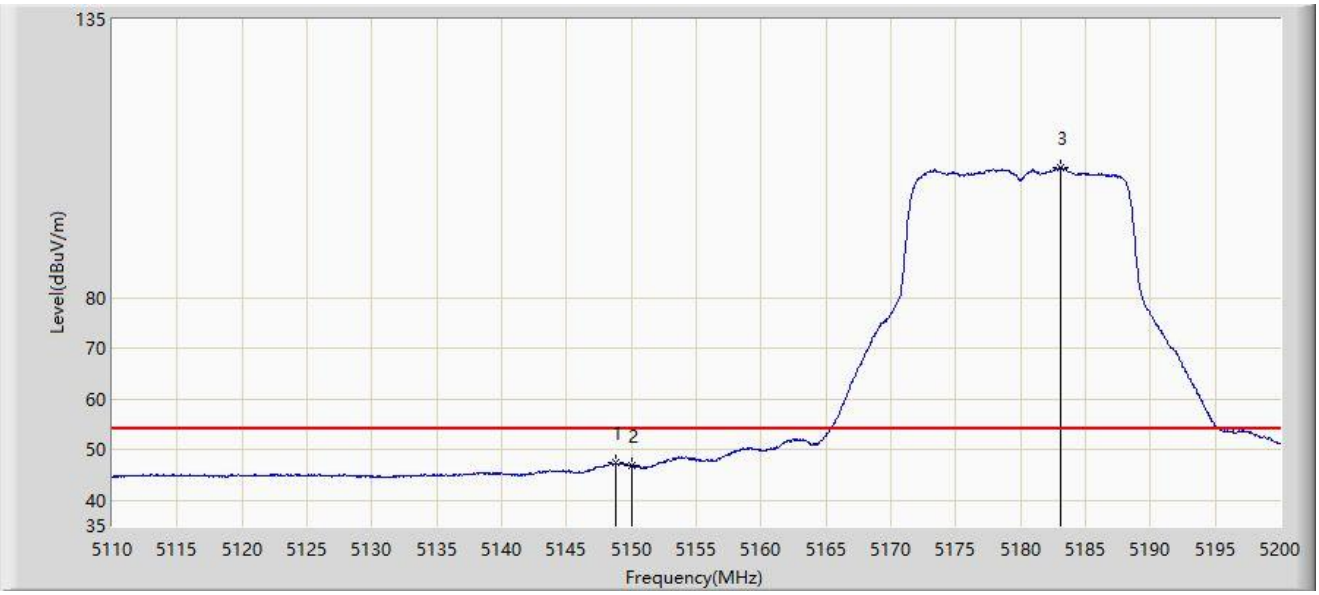
No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1	*	5148.610	60.074	57.505	-13.926	74.000	2.569	PK
2		5150.000	59.326	56.767	-14.674	74.000	2.559	PK
3		5178.625	116.140	114.129	N/A	N/A	2.012	PK

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: NS-AC1	Test Date: 2023-05-30
Limit: FCC_5G_RE(3m)	Engineer: Ted Chen
Probe: NS-AC1_BBHA9120D_2111_1-18GHz	Polarity: Vertical
EUT: HAN Access Point (AP431)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5180MHz	



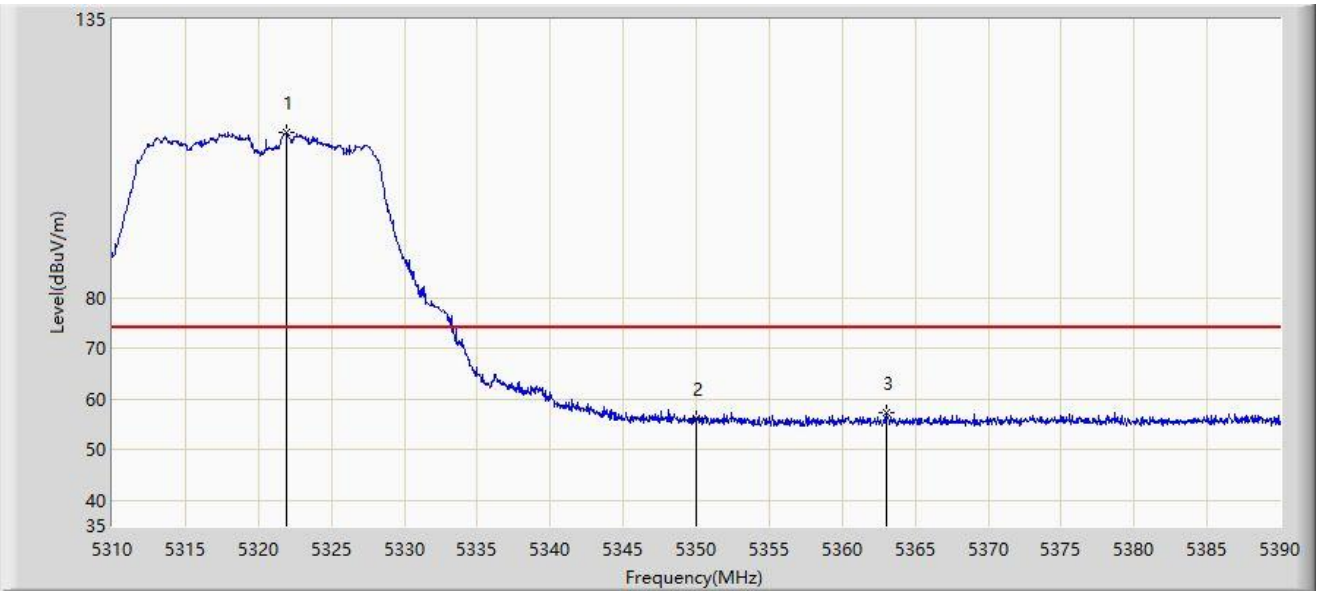
No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1	*	5148.790	47.378	44.810	-6.622	54.000	2.568	AV
2		5150.000	46.793	44.234	-7.207	54.000	2.559	AV
3		5183.035	105.808	103.914	N/A	N/A	1.895	AV

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: NS-AC1	Test Date: 2023-05-30
Limit: FCC_5G_RE(3m)	Engineer: Ted Chen
Probe: NS-AC1_BBHA9120D_2111_1-18GHz	Polarity: Horizontal
EUT: HAN Access Point (AP431)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5320MHz	



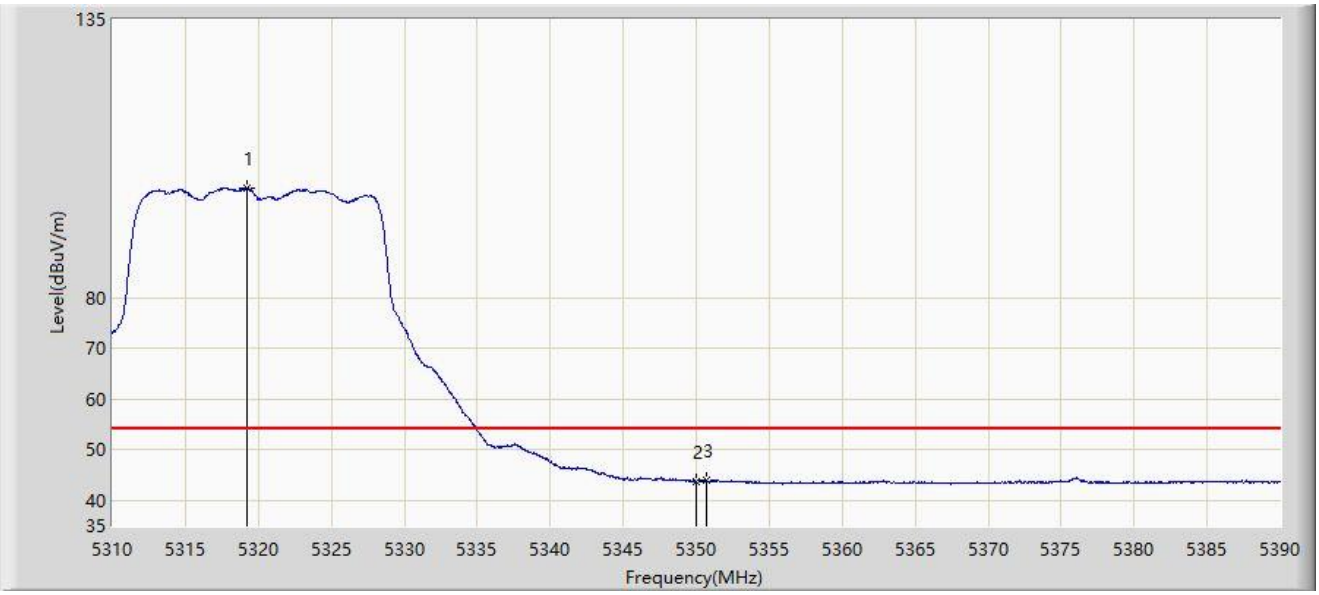
No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1		5321.880	112.744	111.193	N/A	N/A	1.551	PK
2		5350.000	56.021	54.511	-17.979	74.000	1.510	PK
3	*	5363.000	57.326	55.666	-16.674	74.000	1.660	PK

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: NS-AC1	Test Date: 2023-05-30
Limit: FCC_5G_RE(3m)	Engineer: Ted Chen
Probe: NS-AC1_BBHA9120D_2111_1-18GHz	Polarity: Horizontal
EUT: HAN Access Point (AP431)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5320MHz	



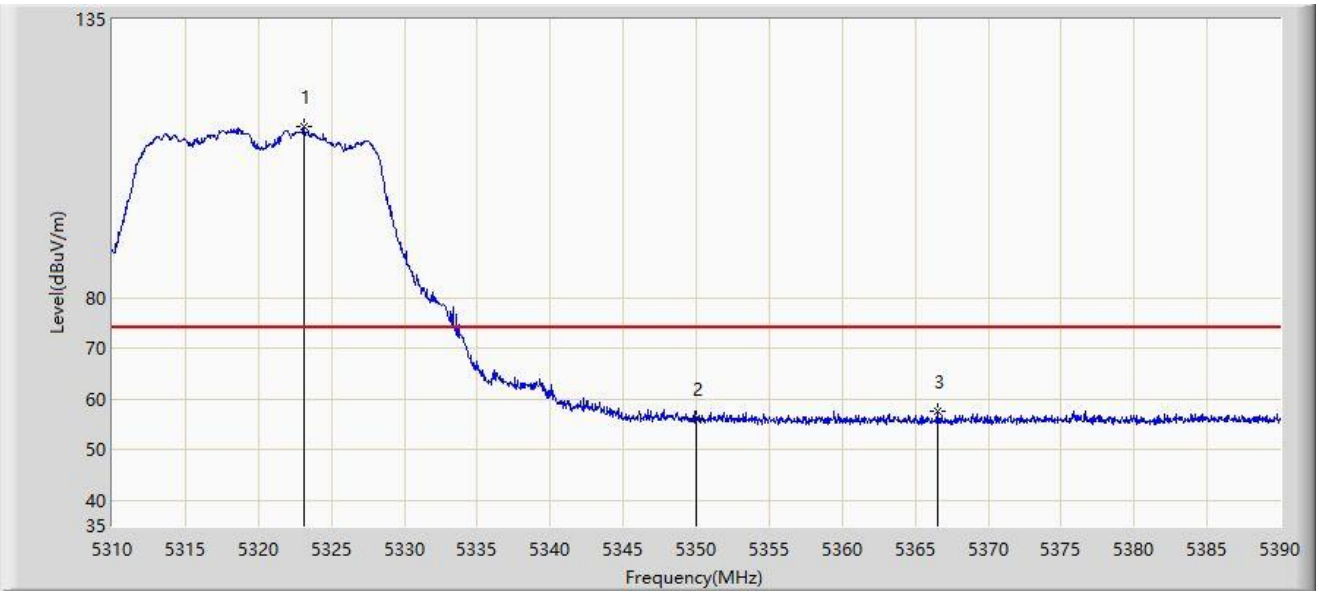
No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1		5319.200	101.801	100.249	N/A	N/A	1.552	AV
2		5350.000	43.708	42.198	-10.292	54.000	1.510	AV
3	*	5350.680	44.082	42.573	-9.918	54.000	1.509	AV

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: NS-AC1	Test Date: 2023-05-30
Limit: FCC_5G_RE(3m)	Engineer: Ted Chen
Probe: NS-AC1_BBHA9120D_2111_1-18GHz	Polarity: Vertical
EUT: HAN Access Point (AP431)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5320MHz	



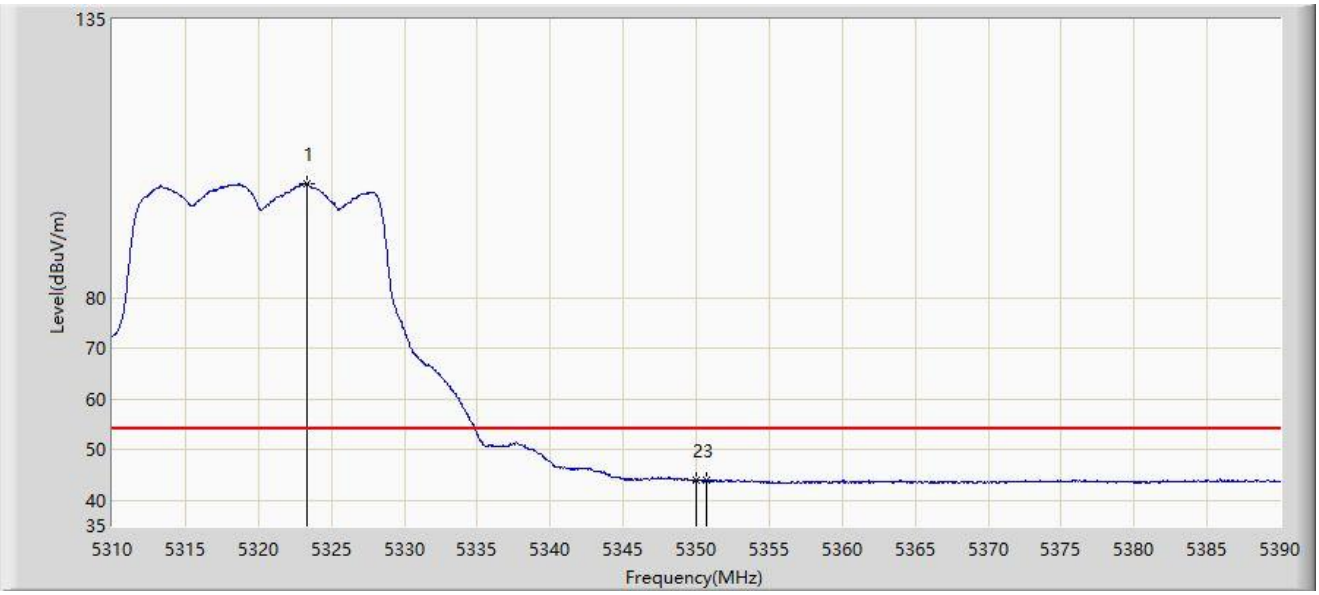
No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1		5323.120	113.759	112.209	N/A	N/A	1.550	PK
2		5350.000	56.047	54.537	-17.953	74.000	1.510	PK
3	*	5366.520	57.742	56.033	-16.258	74.000	1.709	PK

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: NS-AC1	Test Date: 2023-05-30
Limit: FCC_5G_RE(3m)	Engineer: Ted Chen
Probe: NS-AC1_BBHA9120D_2111_1-18GHz	Polarity: Vertical
EUT: HAN Access Point (AP431)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5320MHz	



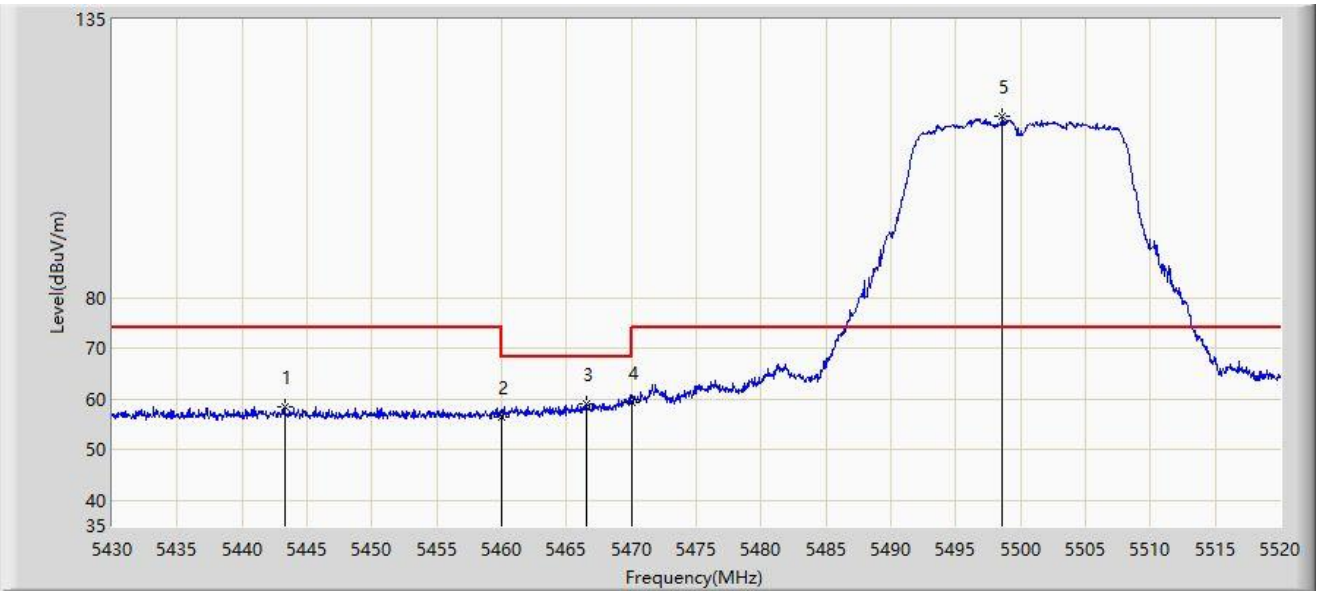
No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1		5323.320	102.651	101.101	N/A	N/A	1.550	AV
2		5350.000	43.862	42.352	-10.138	54.000	1.510	AV
3	*	5350.680	44.067	42.558	-9.933	54.000	1.509	AV

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: NS-AC1	Test Date: 2023-05-30
Limit: FCC_5G_RE(3m)	Engineer: Ted Chen
Probe: NS-AC1_BBHA9120D_2111_1-18GHz	Polarity: Horizontal
EUT: HAN Access Point (AP431)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5500MHz	



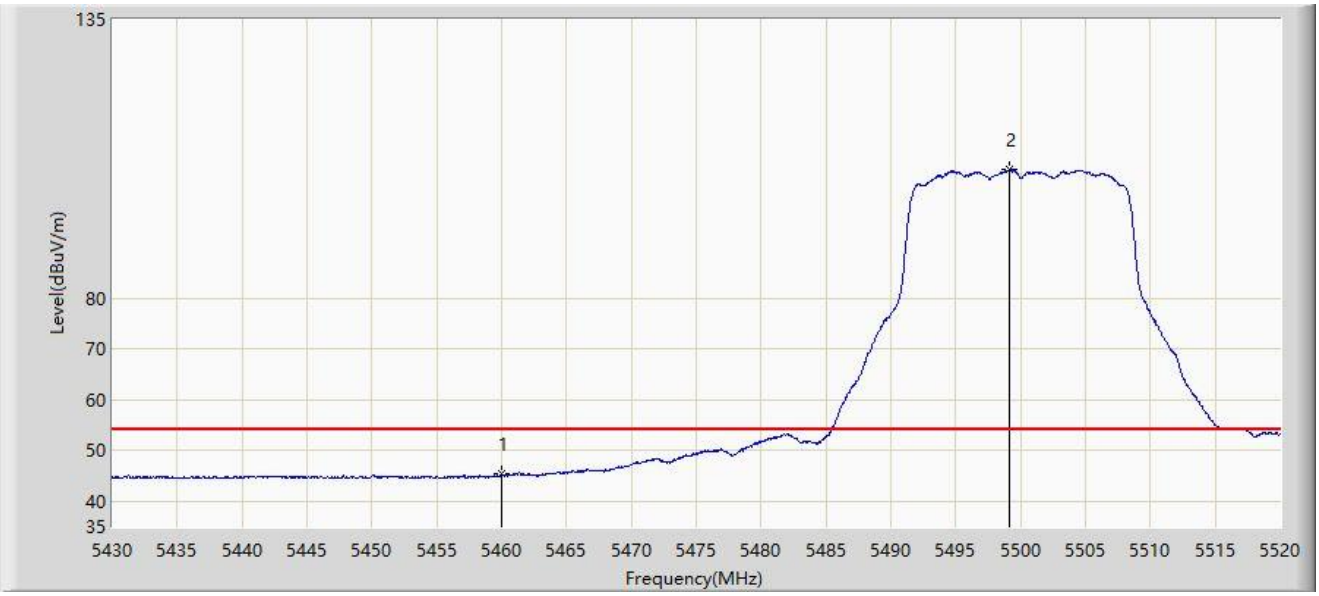
No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1		5443.275	58.493	56.284	-15.507	74.000	2.209	PK
2		5460.000	56.566	54.459	-17.434	74.000	2.108	PK
3		5466.585	59.112	56.935	-9.088	68.200	2.176	PK
4	*	5470.000	59.239	57.027	-8.961	68.200	2.212	PK
5		5498.625	115.826	113.343	N/A	N/A	2.482	PK

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: NS-AC1	Test Date: 2023-05-30
Limit: FCC_5G_RE(3m)	Engineer: Ted Chen
Probe: NS-AC1_BBHA9120D_2111_1-18GHz	Polarity: Horizontal
EUT: HAN Access Point (AP431)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5500MHz	



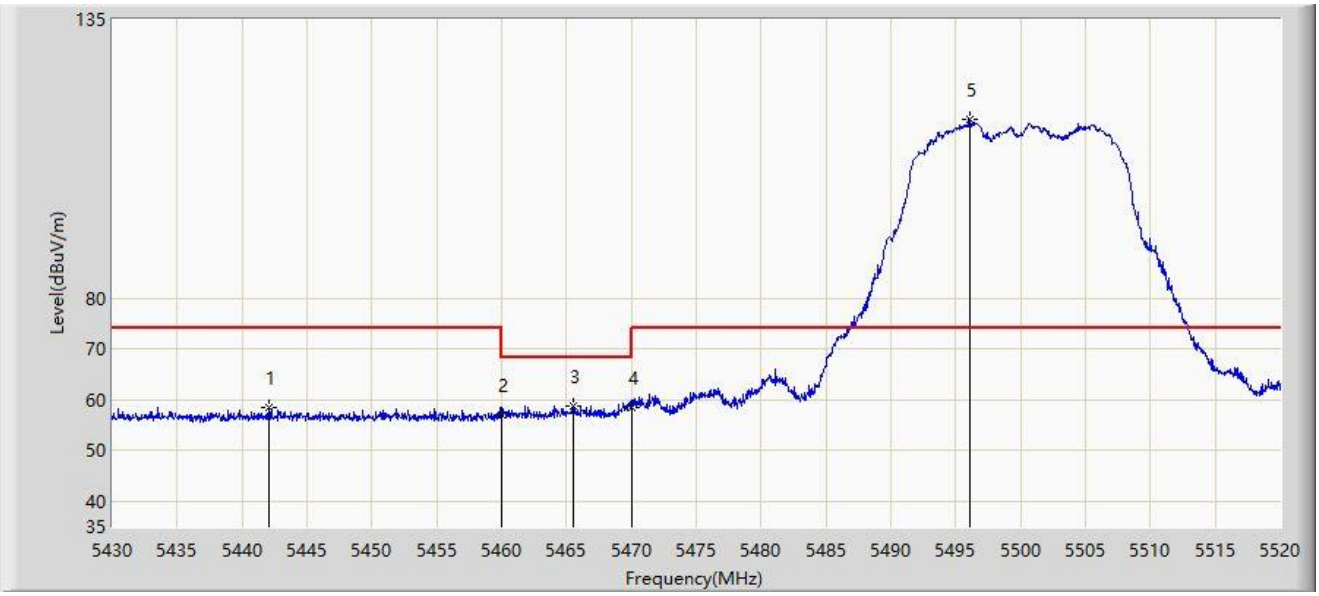
No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1	*	5460.000	45.375	43.268	-8.625	54.000	2.108	AV
2		5499.120	105.493	103.016	N/A	N/A	2.477	AV

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: NS-AC1	Test Date: 2023-05-30
Limit: FCC_5G_RE(3m)	Engineer: Ted Chen
Probe: NS-AC1_BBHA9120D_2111_1-18GHz	Polarity: Vertical
EUT: HAN Access Point (AP431)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5500MHz	



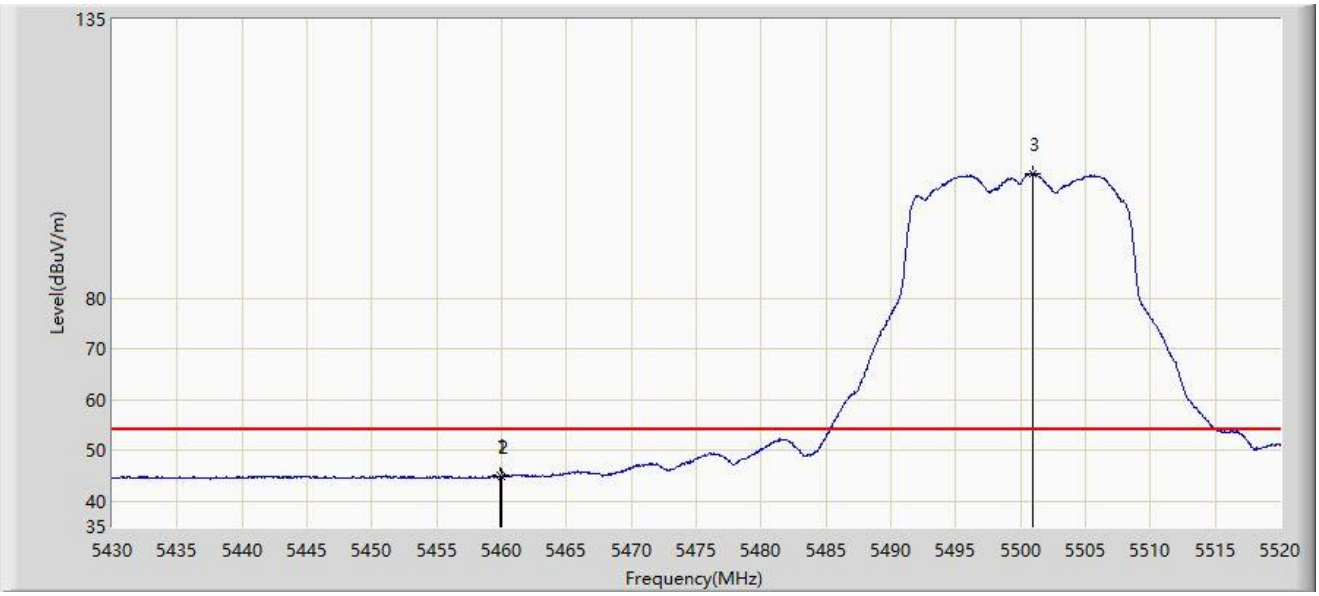
No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1		5442.105	58.463	56.236	-15.537	74.000	2.227	PK
2		5460.000	56.962	54.855	-17.038	74.000	2.108	PK
3	*	5465.550	58.902	56.736	-9.298	68.200	2.165	PK
4		5470.000	58.562	56.350	-9.638	68.200	2.212	PK
5		5496.060	115.207	112.696	N/A	N/A	2.510	PK

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: NS-AC1	Test Date: 2023-05-30
Limit: FCC_5G_RE(3m)	Engineer: Ted Chen
Probe: NS-AC1_BBHA9120D_2111_1-18GHz	Polarity: Vertical
EUT: HAN Access Point (AP431)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5500MHz	



No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1	*	5459.835	45.133	43.028	-8.867	54.000	2.105	AV
2		5460.000	44.923	42.816	-9.077	54.000	2.108	AV
3		5500.965	104.702	102.245	N/A	N/A	2.457	AV

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: NS-AC1	Test Date: 2023-05-30
Limit: FCC_5G_RE(3m)	Engineer: Ted Chen
Probe: NS-AC1_BBHA9120D_2111_1-18GHz	Polarity: Horizontal
EUT: HAN Access Point (AP431)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5700MHz	

No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1		5698.683	115.845	112.958	N/A	N/A	2.886	PK
2		5725.000	61.917	59.073	-6.283	68.200	2.844	PK
3	*	5725.300	62.546	59.700	-5.654	68.200	2.846	PK

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: NS-AC1	Test Date: 2023-05-30
Limit: FCC_5G_RE(3m)	Engineer: Ted Chen
Probe: NS-AC1_BBHA9120D_2111_1-18GHz	Polarity: Vertical
EUT: HAN Access Point (AP431)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5700MHz	

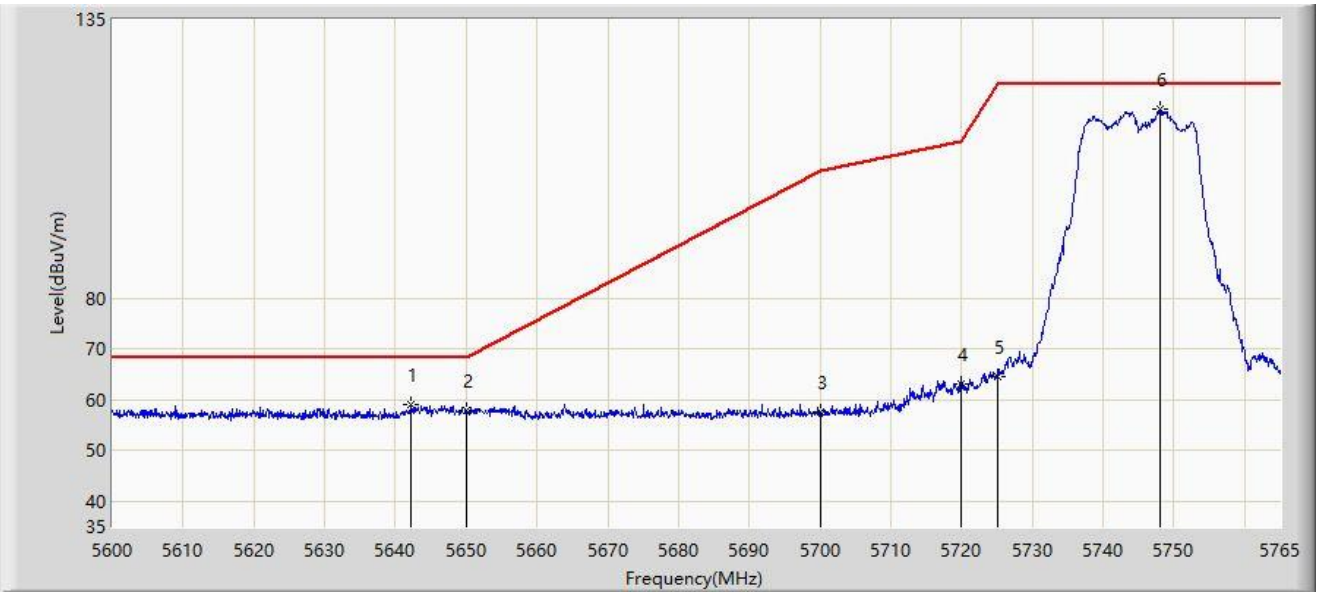
No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1		5696.245	114.220	111.298	N/A	N/A	2.922	PK
2		5725.000	61.055	58.211	-7.145	68.200	2.844	PK
3	*	5726.243	61.589	58.735	-6.611	68.200	2.853	PK

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: NS-AC1	Test Date: 2023-05-30
Limit: FCC_5.8G_RE(3m)	Engineer: Ted Chen
Probe: NS-AC1_BBHA9120D_2111_1-18GHz	Polarity: Horizontal
EUT: HAN Access Point (AP431)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5745MHz	



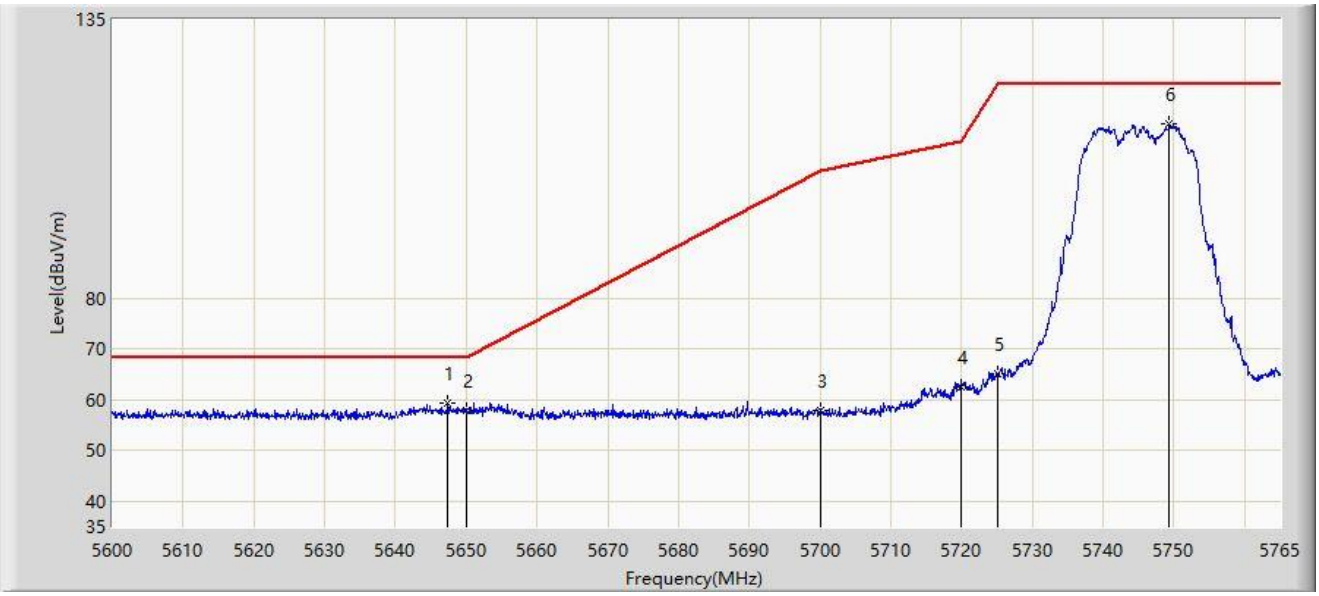
No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1	*	5642.240	59.033	56.502	-9.167	68.200	2.530	PK
2		5650.000	57.904	55.353	-10.296	68.200	2.552	PK
3		5700.000	57.708	54.841	-47.492	105.200	2.867	PK
4		5720.000	62.989	60.179	-47.811	110.800	2.810	PK
5		5725.000	64.519	61.675	-57.681	122.200	2.844	PK
6		5748.087	117.252	114.181	N/A	N/A	3.070	PK

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: NS-AC1	Test Date: 2023-05-30
Limit: FCC_5.8G_RE(3m)	Engineer: Ted Chen
Probe: NS-AC1_BBHA9120D_2111_1-18GHz	Polarity: Vertical
EUT: HAN Access Point (AP431)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5745MHz	



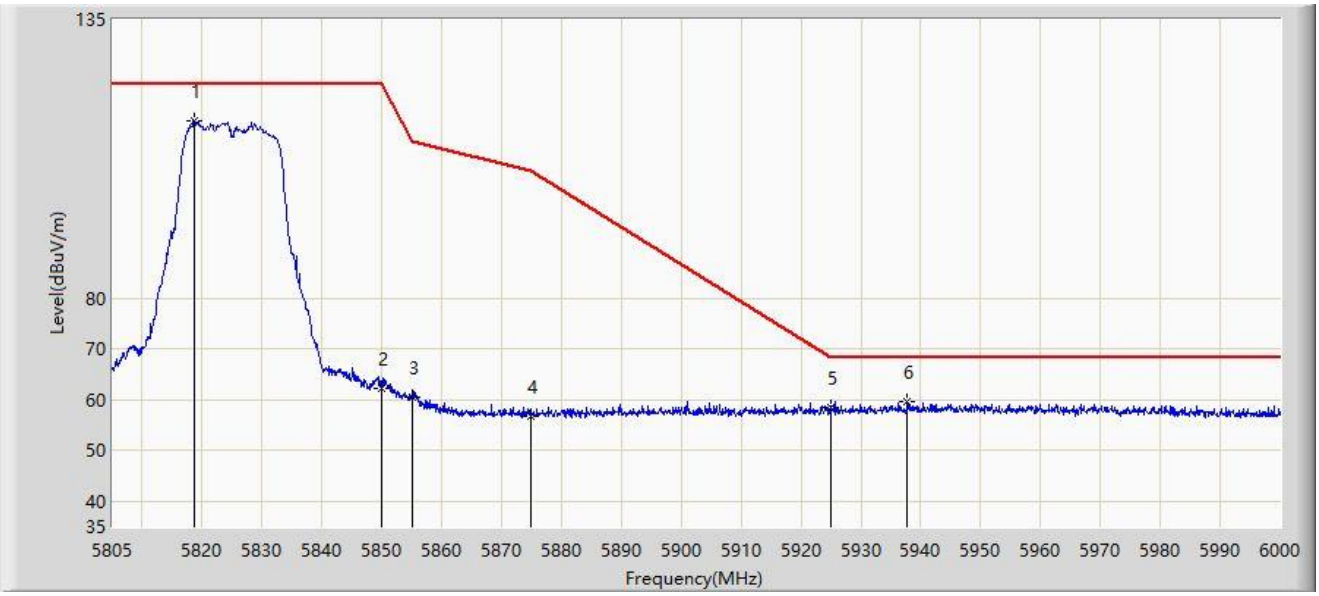
No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1	*	5647.437	59.256	56.711	-8.944	68.200	2.545	PK
2		5650.000	58.017	55.466	-10.183	68.200	2.552	PK
3		5700.000	57.931	55.064	-47.269	105.200	2.867	PK
4		5720.000	62.676	59.866	-48.124	110.800	2.810	PK
5		5725.000	65.159	62.315	-57.041	122.200	2.844	PK
6		5749.325	114.555	111.474	N/A	N/A	3.082	PK

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: NS-AC1	Test Date: 2023-05-30
Limit: FCC_5.8G_RE(3m)	Engineer: Ted Chen
Probe: NS-AC1_BBHA9120D_2111_1-18GHz	Polarity: Horizontal
EUT: HAN Access Point (AP431)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5825MHz	



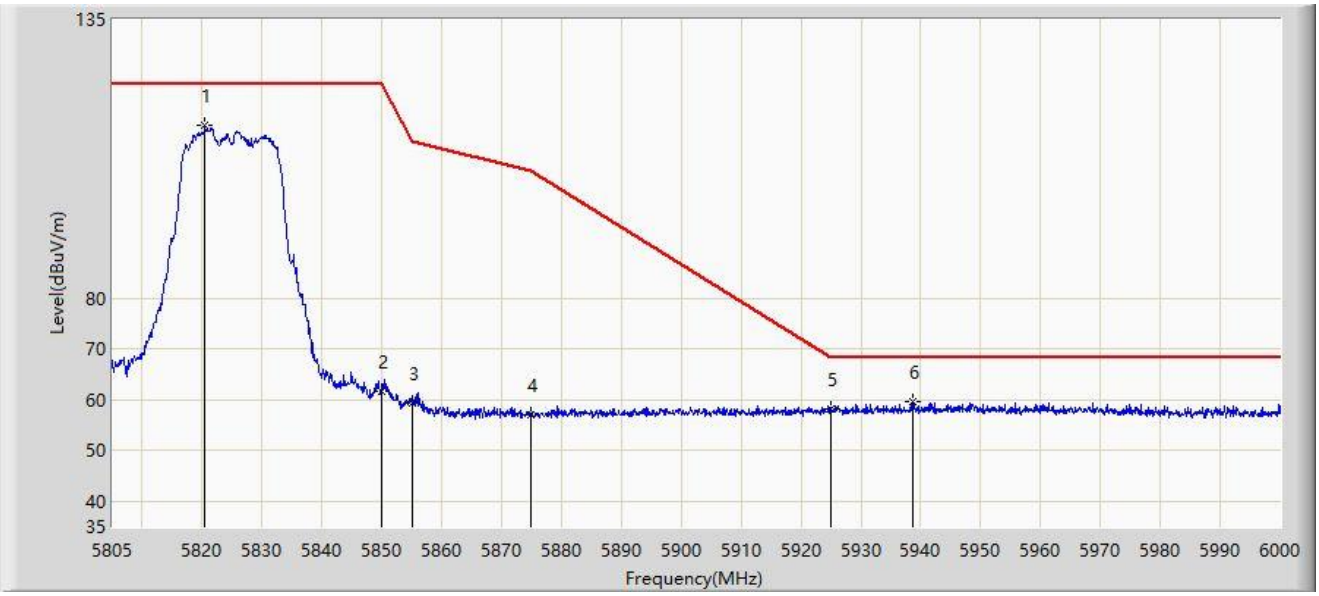
No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1		5818.650	115.071	111.778	N/A	N/A	3.293	PK
2		5850.000	62.110	58.778	-60.090	122.200	3.333	PK
3		5855.000	60.563	57.223	-50.237	110.800	3.340	PK
4		5875.000	56.745	53.351	-48.455	105.200	3.393	PK
5		5925.000	58.584	54.819	-9.616	68.200	3.766	PK
6	*	5937.795	59.702	55.788	-8.498	68.200	3.914	PK

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: NS-AC1	Test Date: 2023-05-30
Limit: FCC_5.8G_RE(3m)	Engineer: Ted Chen
Probe: NS-AC1_BBHA9120D_2111_1-18GHz	Polarity: Vertical
EUT: HAN Access Point (AP431)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5825MHz	



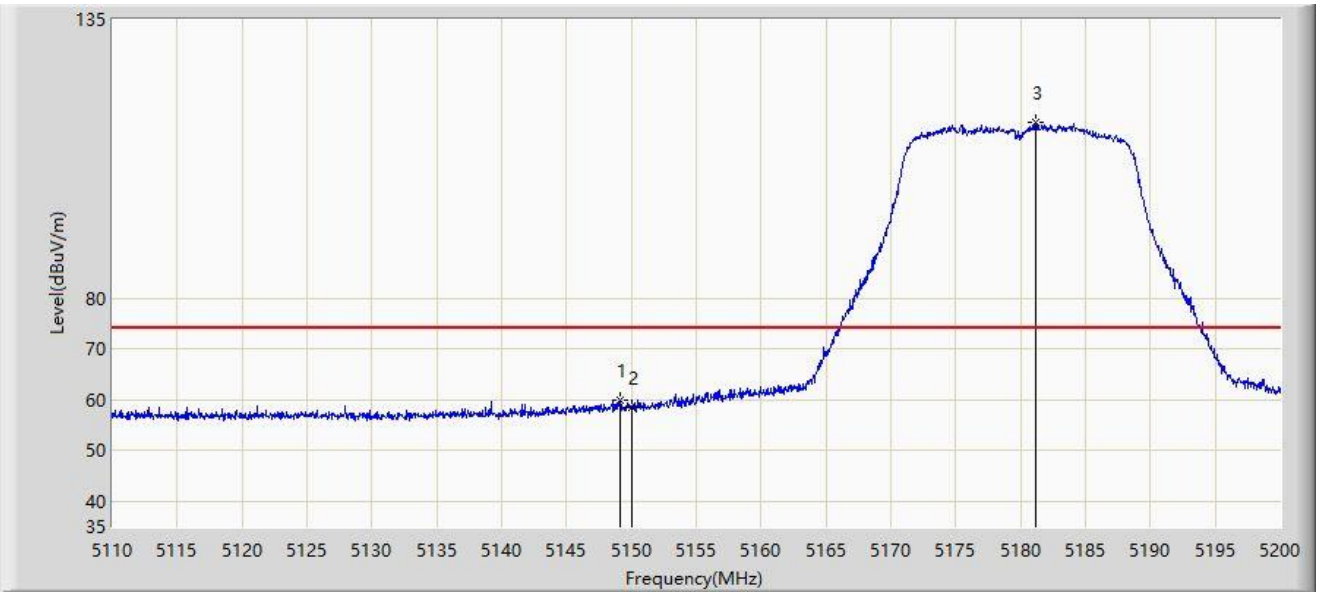
No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1		5820.502	114.066	110.740	N/A	N/A	3.326	PK
2		5850.000	61.759	58.427	-60.441	122.200	3.333	PK
3		5855.000	59.287	55.947	-51.513	110.800	3.340	PK
4		5875.000	56.890	53.496	-48.310	105.200	3.393	PK
5		5925.000	58.240	54.475	-9.960	68.200	3.766	PK
6	*	5938.770	59.523	55.603	-8.677	68.200	3.921	PK

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: NS-AC1	Test Date: 2023-05-30
Limit: FCC_5G_RE(3m)	Engineer: Ted Chen
Probe: NS-AC1_BBHA9120D_2111_1-18GHz	Polarity: Horizontal
EUT: HAN Access Point (AP431)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at 5180MHz	



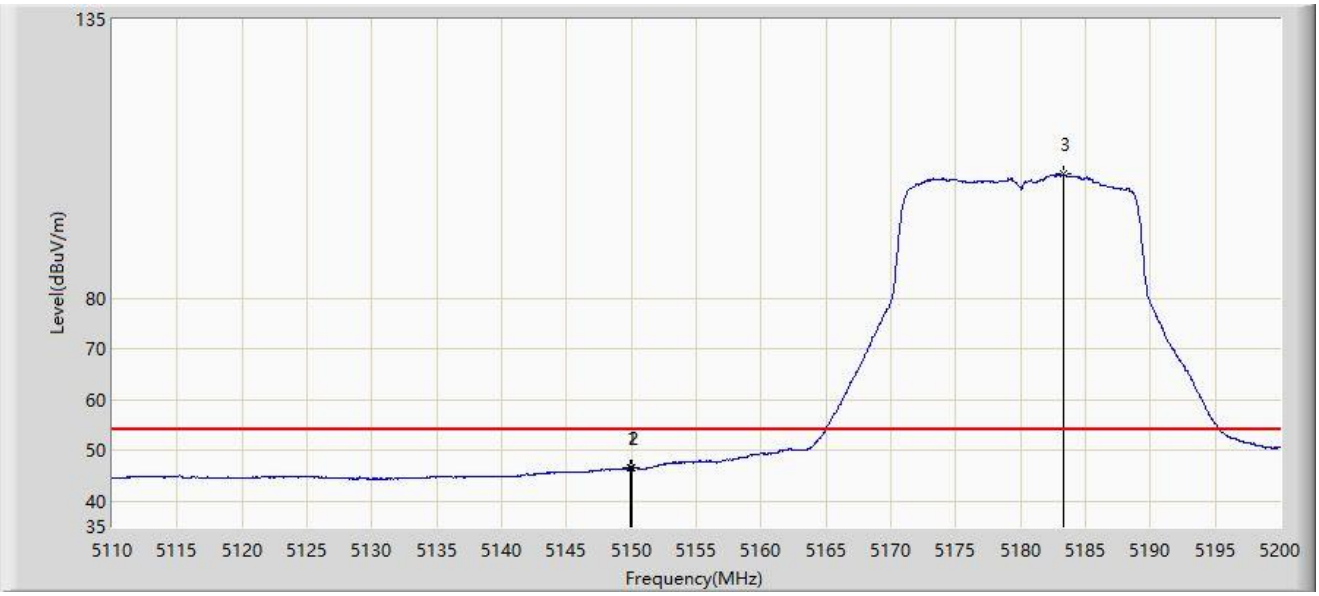
No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1	*	5149.150	59.818	57.253	-14.182	74.000	2.564	PK
2		5150.000	58.419	55.860	-15.581	74.000	2.559	PK
3		5181.190	114.808	112.881	N/A	N/A	1.927	PK

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: NS-AC1	Test Date: 2023-05-30
Limit: FCC_5G_RE(3m)	Engineer: Ted Chen
Probe: NS-AC1_BBHA9120D_2111_1-18GHz	Polarity: Horizontal
EUT: HAN Access Point (AP431)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at 5180MHz	



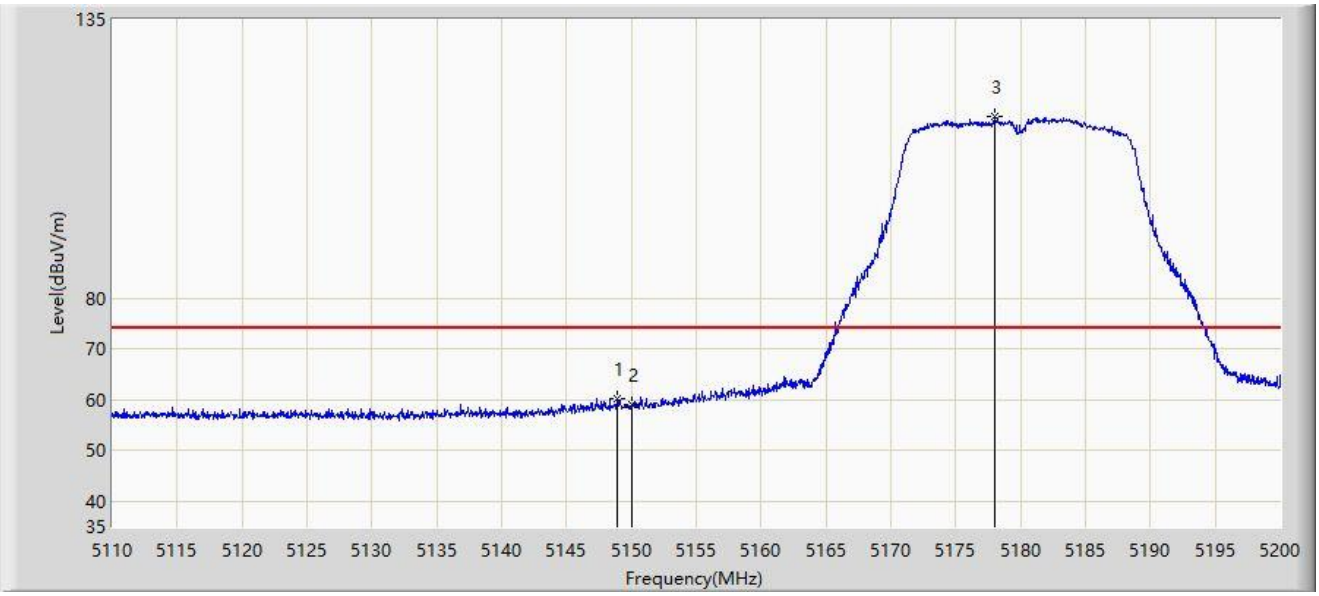
No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1	*	5149.960	46.662	44.103	-7.338	54.000	2.560	AV
2		5150.000	46.628	44.069	-7.372	54.000	2.559	AV
3		5183.350	104.465	102.574	N/A	N/A	1.891	AV

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: NS-AC1	Test Date: 2023-05-30
Limit: FCC_5G_RE(3m)	Engineer: Ted Chen
Probe: NS-AC1_BBHA9120D_2111_1-18GHz	Polarity: Vertical
EUT: HAN Access Point (AP431)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at 5180MHz	



No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1	*	5148.880	60.345	57.778	-13.655	74.000	2.567	PK
2		5150.000	58.968	56.409	-15.032	74.000	2.559	PK
3		5177.995	115.789	113.757	N/A	N/A	2.032	PK

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: NS-AC1	Test Date: 2023-05-30
Limit: FCC_5G_RE(3m)	Engineer: Ted Chen
Probe: NS-AC1_BBHA9120D_2111_1-18GHz	Polarity: Vertical
EUT: HAN Access Point (AP431)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at 5180MHz	

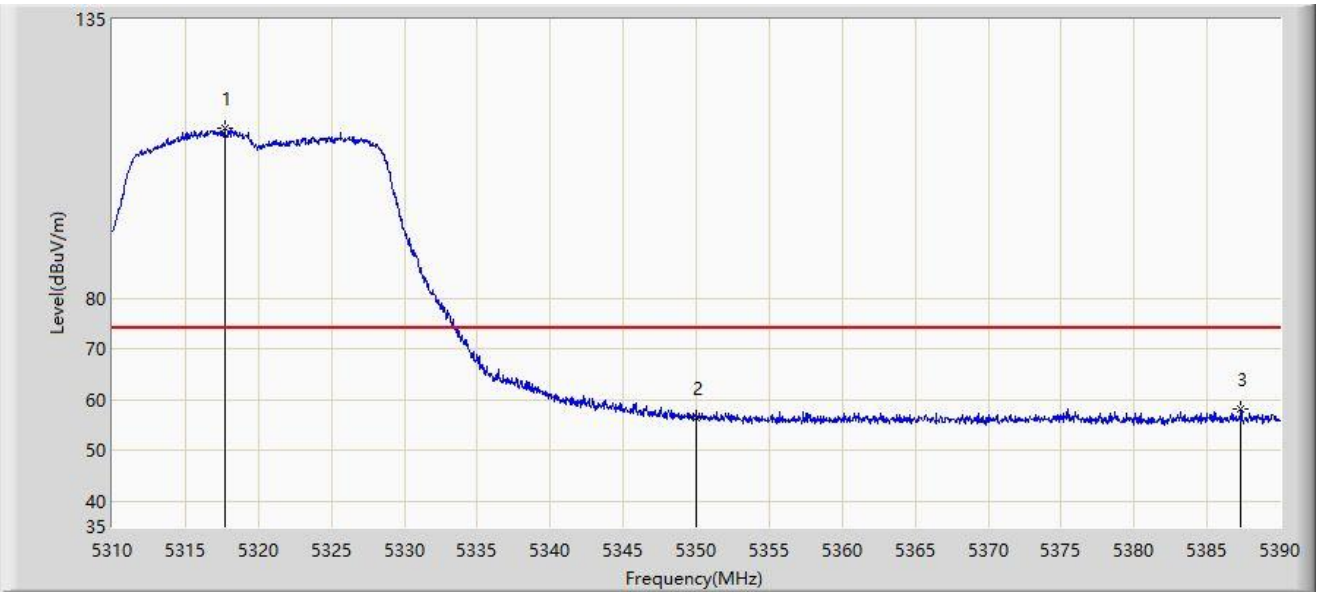
No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1	*	5150.000	46.795	44.236	-7.205	54.000	2.559	AV
2		5181.865	105.343	103.438	N/A	N/A	1.905	AV

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: NS-AC1	Test Date: 2023-05-30
Limit: FCC_5G_RE(3m)	Engineer: Ted Chen
Probe: NS-AC1_BBHA9120D_2111_1-18GHz	Polarity: Horizontal
EUT: HAN Access Point (AP431)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at 5320MHz	



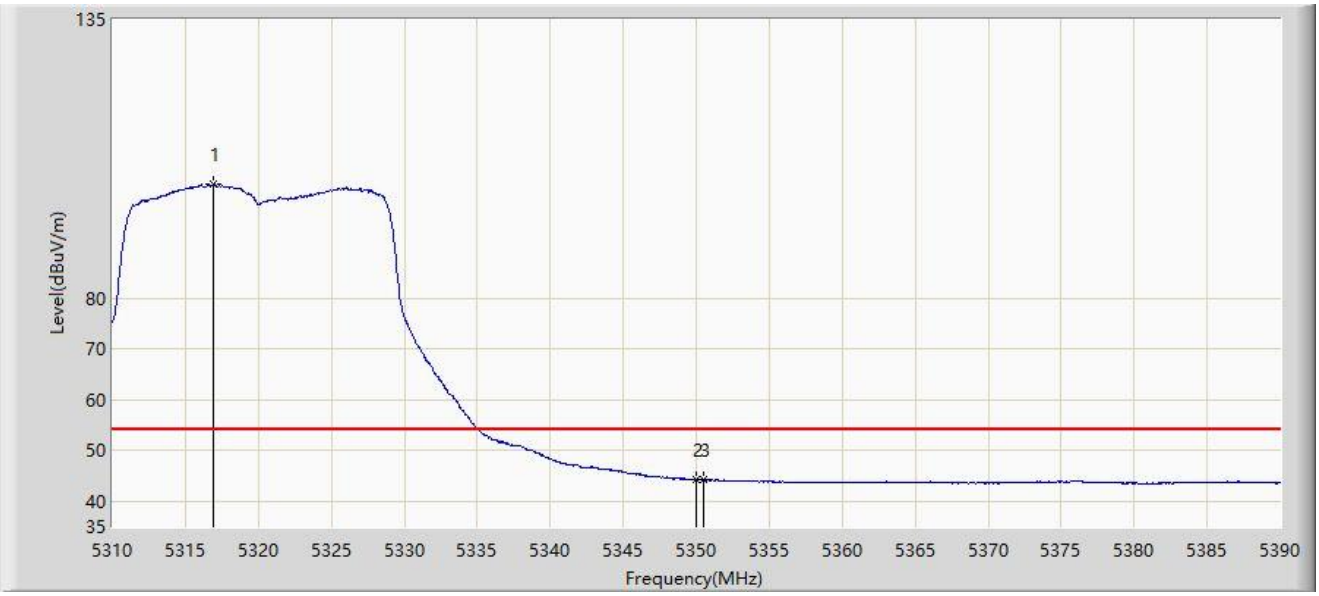
No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1		5317.720	113.614	112.057	N/A	N/A	1.557	PK
2		5350.000	56.342	54.832	-17.658	74.000	1.510	PK
3	*	5387.320	58.184	56.391	-15.816	74.000	1.794	PK

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: NS-AC1	Test Date: 2023-05-30
Limit: FCC_5G_RE(3m)	Engineer: Ted Chen
Probe: NS-AC1_BBHA9120D_2111_1-18GHz	Polarity: Horizontal
EUT: HAN Access Point (AP431)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at 5320MHz	



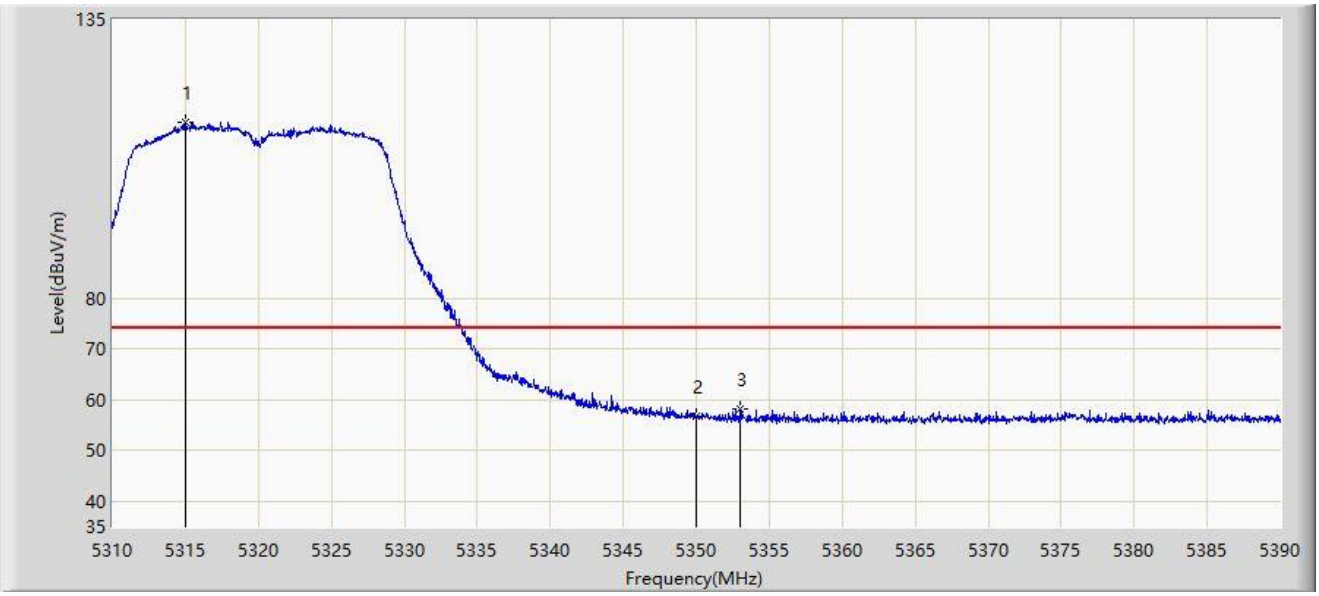
No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1		5316.960	102.485	100.919	N/A	N/A	1.565	AV
2		5350.000	44.217	42.707	-9.783	54.000	1.510	AV
3	*	5350.480	44.346	42.837	-9.654	54.000	1.509	AV

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: NS-AC1	Test Date: 2023-05-30
Limit: FCC_5G_RE(3m)	Engineer: Ted Chen
Probe: NS-AC1_BBHA9120D_2111_1-18GHz	Polarity: Vertical
EUT: HAN Access Point (AP431)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at 5320MHz	



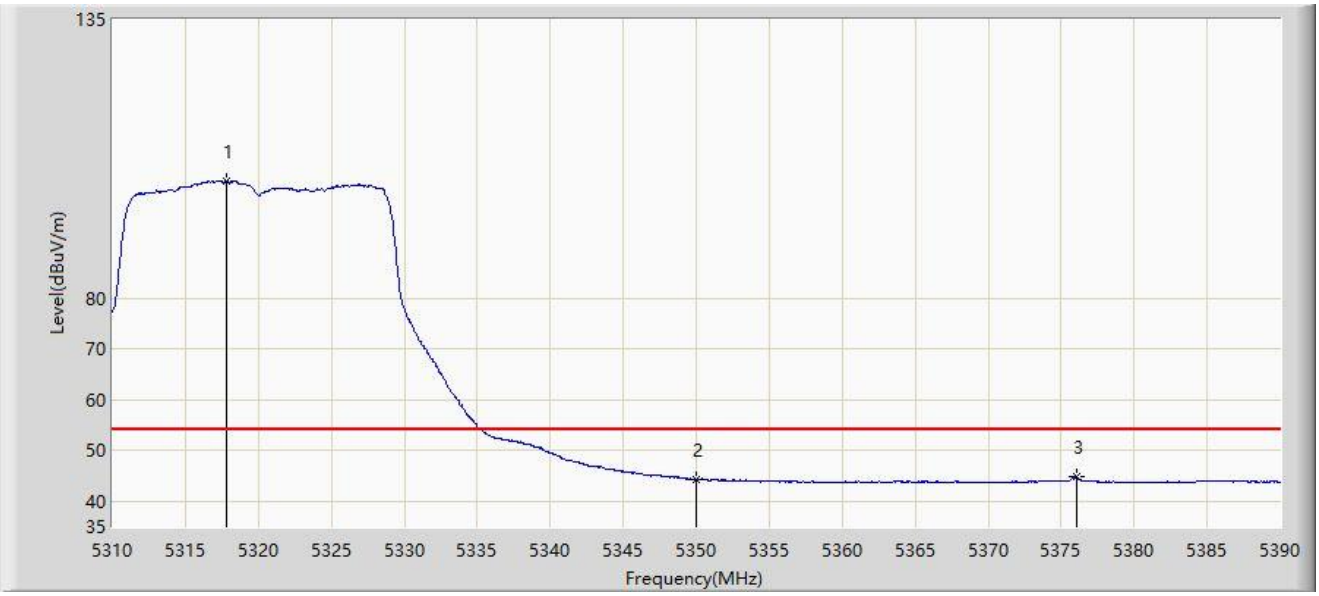
No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1		5315.040	114.669	113.079	N/A	N/A	1.590	PK
2		5350.000	56.678	55.168	-17.322	74.000	1.510	PK
3	*	5352.960	58.176	56.657	-15.824	74.000	1.520	PK

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: NS-AC1	Test Date: 2023-05-30
Limit: FCC_5G_RE(3m)	Engineer: Ted Chen
Probe: NS-AC1_BBHA9120D_2111_1-18GHz	Polarity: Vertical
EUT: HAN Access Point (AP431)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at 5320MHz	



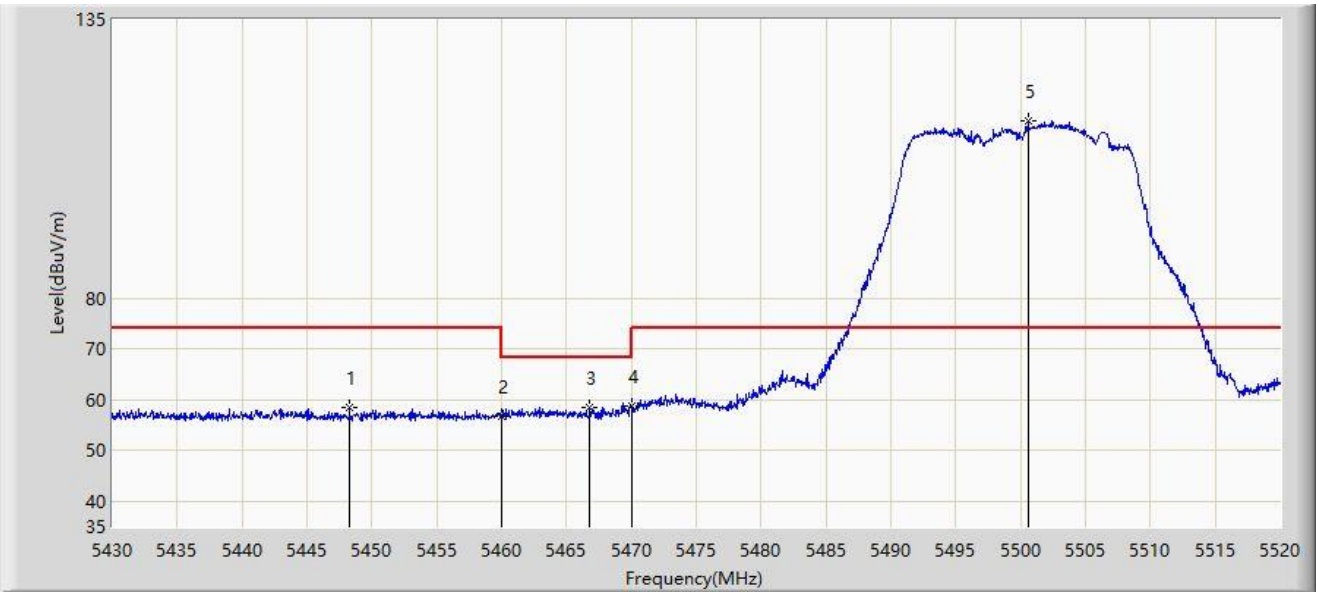
No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1		5317.840	103.228	101.673	N/A	N/A	1.555	AV
2		5350.000	44.287	42.777	-9.713	54.000	1.510	AV
3	*	5376.040	44.845	43.082	-9.155	54.000	1.763	AV

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: NS-AC1	Test Date: 2023-05-30
Limit: FCC_5G_RE(3m)	Engineer: Ted Chen
Probe: NS-AC1_BBHA9120D_2111_1-18GHz	Polarity: Horizontal
EUT: HAN Access Point (AP431)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at 5500MHz	



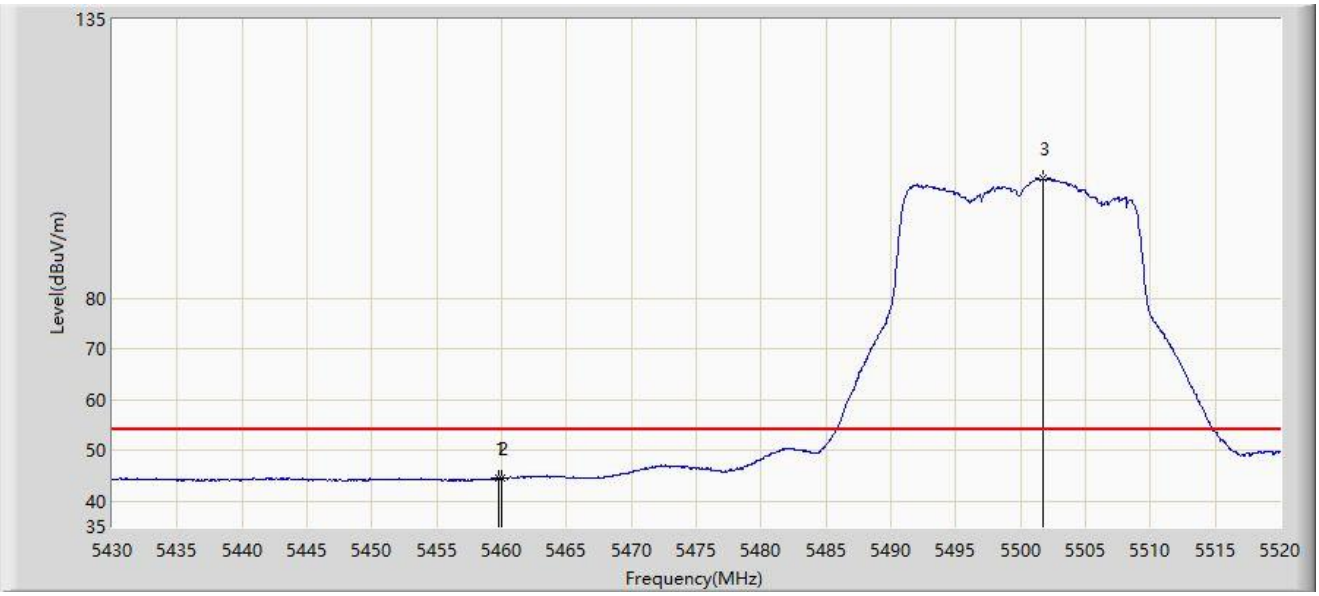
No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1		5448.270	58.504	56.372	-15.496	74.000	2.133	PK
2		5460.000	56.731	54.624	-17.269	74.000	2.108	PK
3		5466.810	58.473	56.294	-9.727	68.200	2.180	PK
4	*	5470.000	58.688	56.476	-9.512	68.200	2.212	PK
5		5500.605	114.902	112.441	N/A	N/A	2.460	PK

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: NS-AC1	Test Date: 2023-05-30
Limit: FCC_5G_RE(3m)	Engineer: Ted Chen
Probe: NS-AC1_BBHA9120D_2111_1-18GHz	Polarity: Horizontal
EUT: HAN Access Point (AP431)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at 5500MHz	



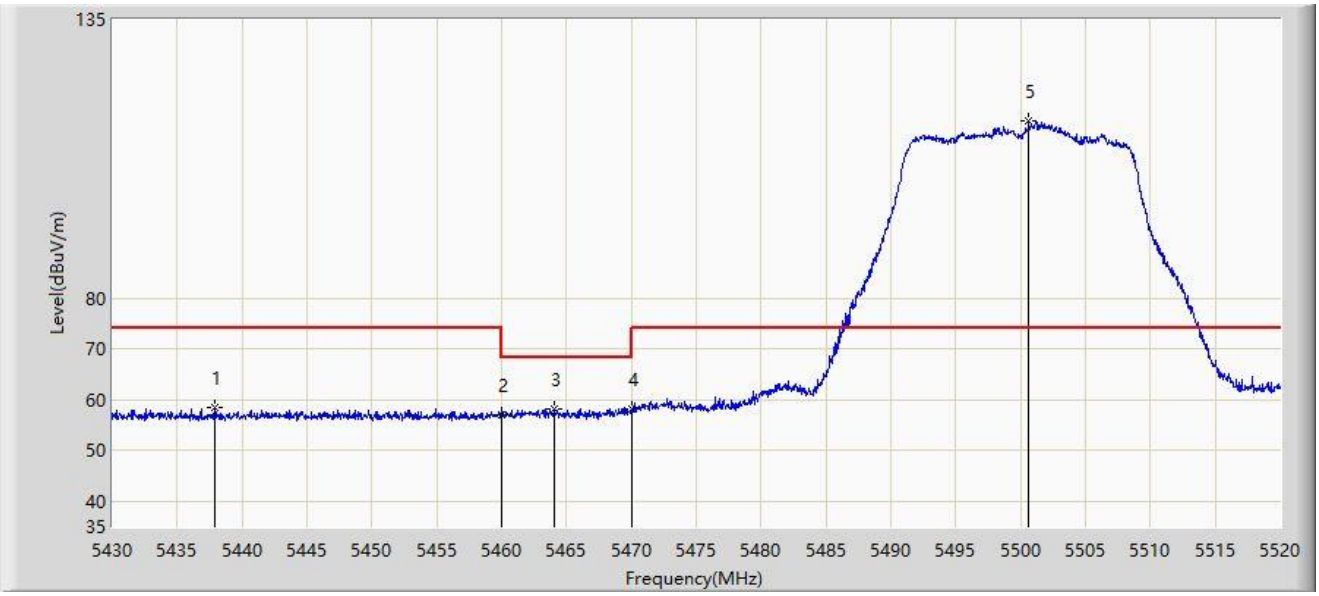
No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1	*	5459.745	44.615	42.511	-9.385	54.000	2.104	AV
2		5460.000	44.483	42.376	-9.517	54.000	2.108	AV
3		5501.775	103.570	101.122	N/A	N/A	2.448	AV

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: NS-AC1	Test Date: 2023-05-30
Limit: FCC_5G_RE(3m)	Engineer: Ted Chen
Probe: NS-AC1_BBHA9120D_2111_1-18GHz	Polarity: Vertical
EUT: HAN Access Point (AP431)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at 5500MHz	



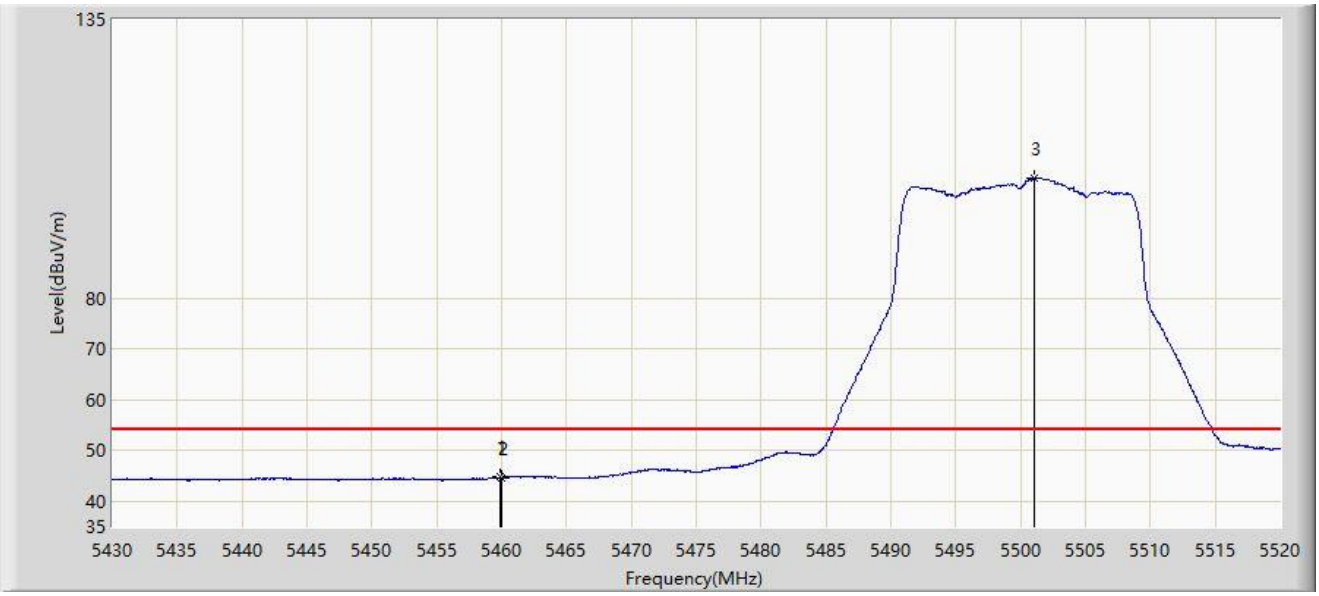
No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1		5437.875	58.549	56.257	-15.451	74.000	2.292	PK
2		5460.000	57.076	54.969	-16.924	74.000	2.108	PK
3	*	5464.020	58.218	56.068	-9.982	68.200	2.150	PK
4		5470.000	58.113	55.901	-10.087	68.200	2.212	PK
5		5500.650	114.991	112.531	N/A	N/A	2.459	PK

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: NS-AC1	Test Date: 2023-05-30
Limit: FCC_5G_RE(3m)	Engineer: Ted Chen
Probe: NS-AC1_BBHA9120D_2111_1-18GHz	Polarity: Vertical
EUT: HAN Access Point (AP431)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at 5500MHz	



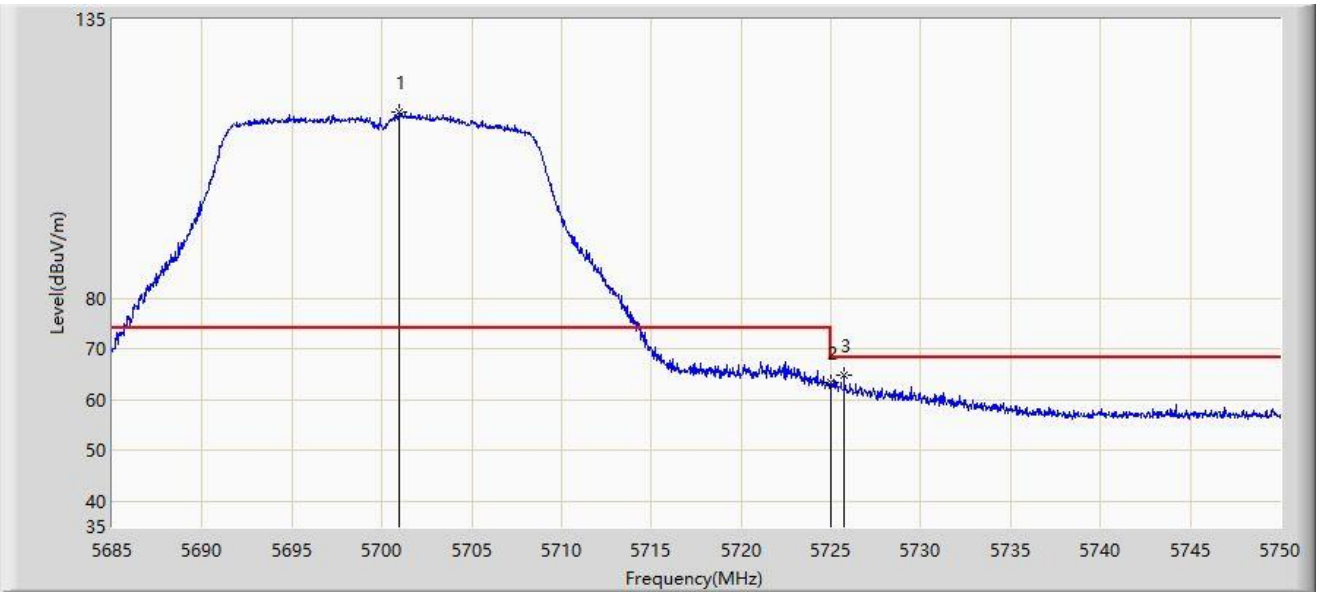
No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1	*	5459.925	44.728	42.622	-9.272	54.000	2.106	AV
2		5460.000	44.605	42.498	-9.395	54.000	2.108	AV
3		5501.010	103.720	101.264	N/A	N/A	2.456	AV

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: NS-AC1	Test Date: 2023-05-31
Limit: FCC_5G_RE(3m)	Engineer: Ted Chen
Probe: NS-AC1_BBHA9120D_2111_1-18GHz	Polarity: Horizontal
EUT: HAN Access Point (AP431)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at 5700MHz	



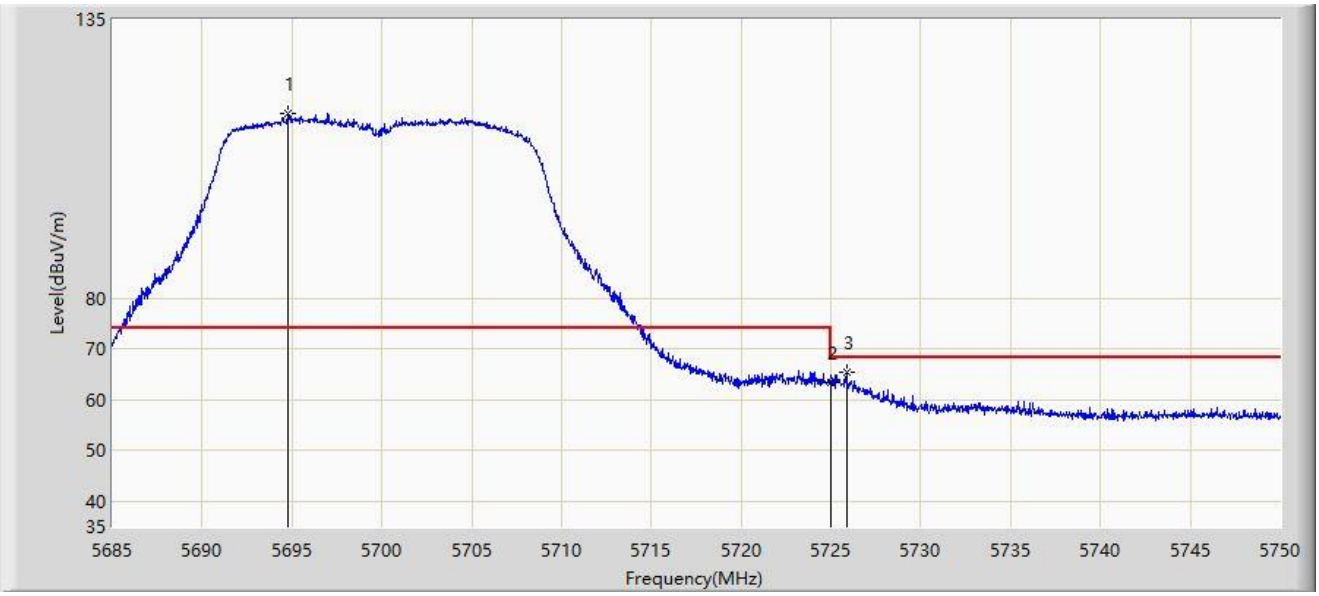
No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1		5700.925	116.659	113.805	N/A	N/A	2.854	PK
2		5725.000	63.333	60.489	-4.867	68.200	2.844	PK
3	*	5725.723	64.735	61.886	-3.465	68.200	2.848	PK

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: NS-AC1	Test Date: 2023-05-31
Limit: FCC_5G_RE(3m)	Engineer: Ted Chen
Probe: NS-AC1_BBHA9120D_2111_1-18GHz	Polarity: Vertical
EUT: HAN Access Point (AP431)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at 5700MHz	



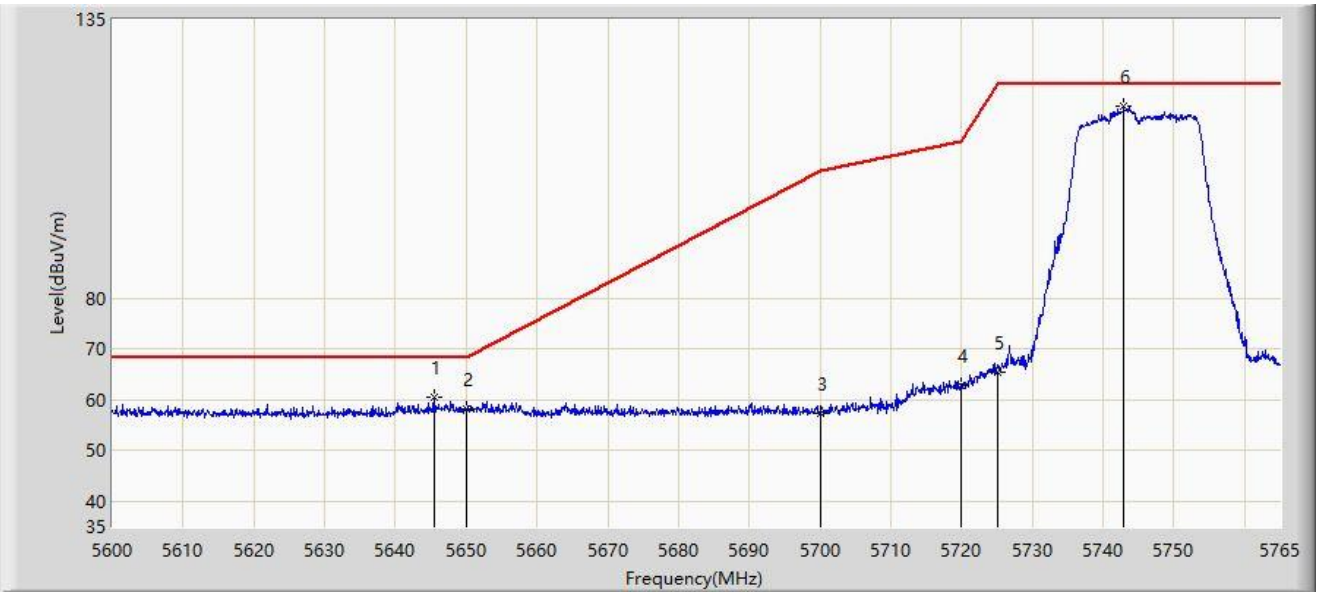
No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1		5694.815	116.497	113.554	N/A	N/A	2.943	PK
2		5725.000	63.503	60.659	-4.697	68.200	2.844	PK
3	*	5725.885	65.492	62.642	-2.708	68.200	2.851	PK

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: NS-AC1	Test Date: 2023-05-31
Limit: FCC_5.8G_RE(3m)	Engineer: Ted Chen
Probe: NS-AC1_BBHA9120D_2111_1-18GHz	Polarity: Horizontal
EUT: HAN Access Point (AP431)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at 5745MHz	



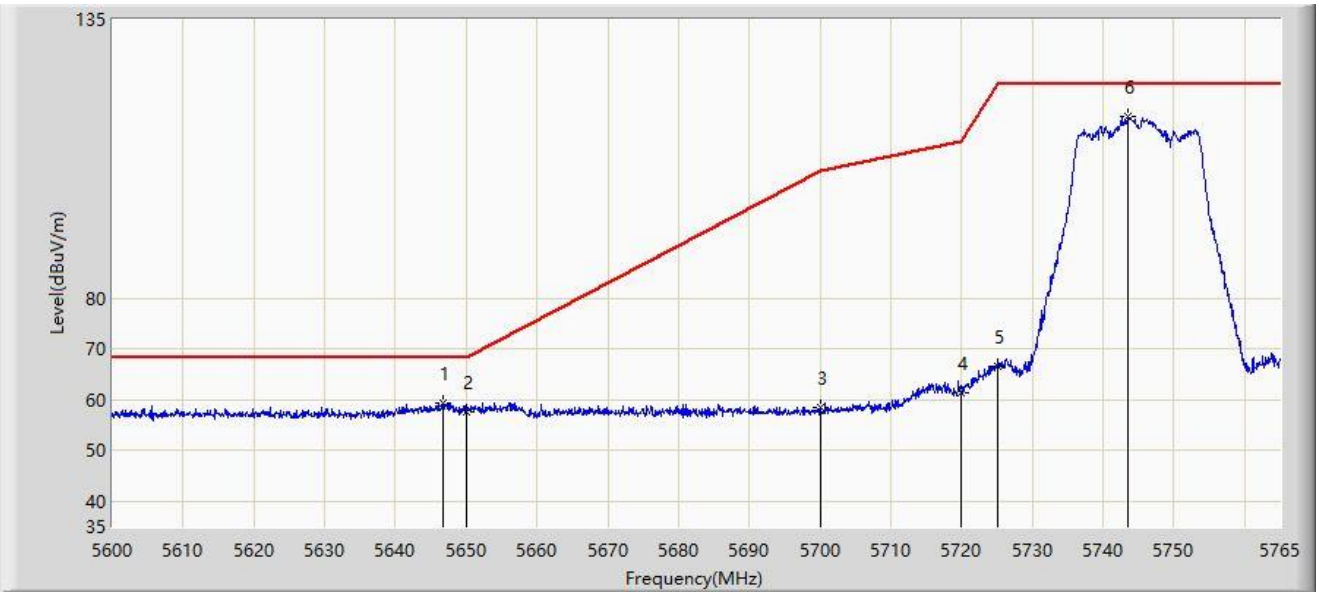
No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1	*	5645.458	60.528	57.988	-7.672	68.200	2.540	PK
2		5650.000	58.102	55.551	-10.098	68.200	2.552	PK
3		5700.000	57.351	54.484	-47.849	105.200	2.867	PK
4		5720.000	62.945	60.135	-47.855	110.800	2.810	PK
5		5725.000	65.508	62.664	-56.692	122.200	2.844	PK
6		5742.890	117.937	114.910	N/A	N/A	3.027	PK

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: NS-AC1	Test Date: 2023-05-31
Limit: FCC_5.8G_RE(3m)	Engineer: Ted Chen
Probe: NS-AC1_BBHA9120D_2111_1-18GHz	Polarity: Vertical
EUT: HAN Access Point (AP431)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at 5745MHz	



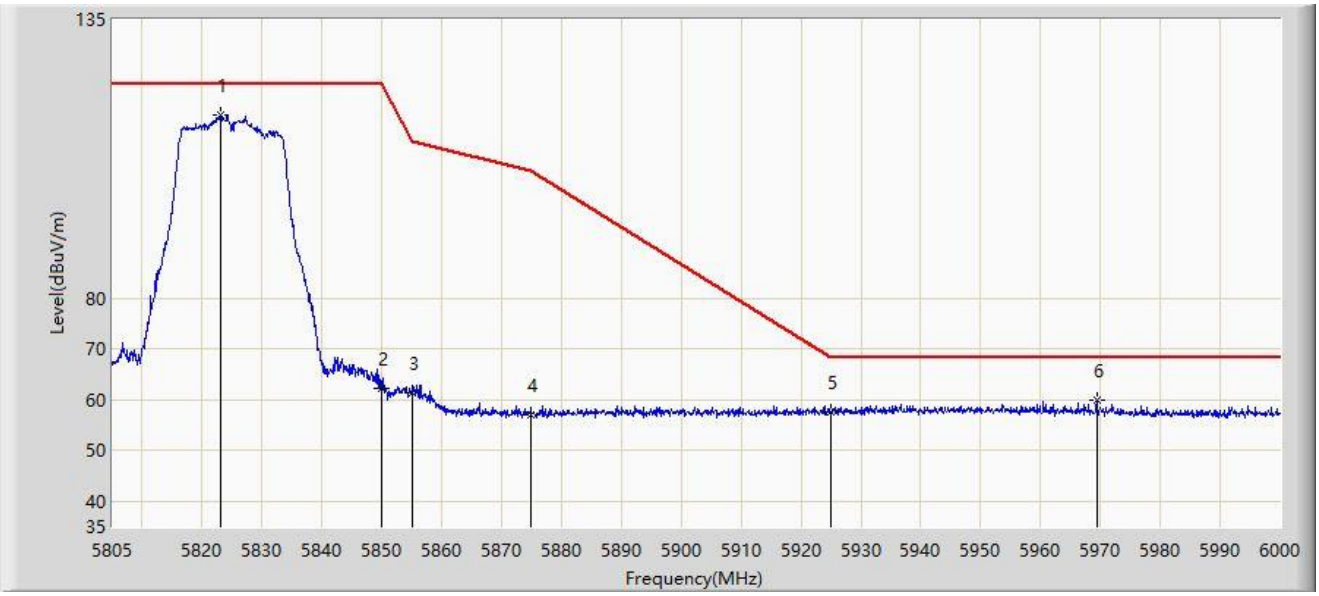
No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1	*	5646.777	59.219	56.676	-8.981	68.200	2.542	PK
2		5650.000	57.689	55.138	-10.511	68.200	2.552	PK
3		5700.000	58.415	55.548	-46.785	105.200	2.867	PK
4		5720.000	61.508	58.698	-49.292	110.800	2.810	PK
5		5725.000	66.706	63.862	-55.494	122.200	2.844	PK
6		5743.550	115.939	112.906	N/A	N/A	3.033	PK

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: NS-AC1	Test Date: 2023-05-31
Limit: FCC_5.8G_RE(3m)	Engineer: Ted Chen
Probe: NS-AC1_BBHA9120D_2111_1-18GHz	Polarity: Horizontal
EUT: HAN Access Point (AP431)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at 5825MHz	



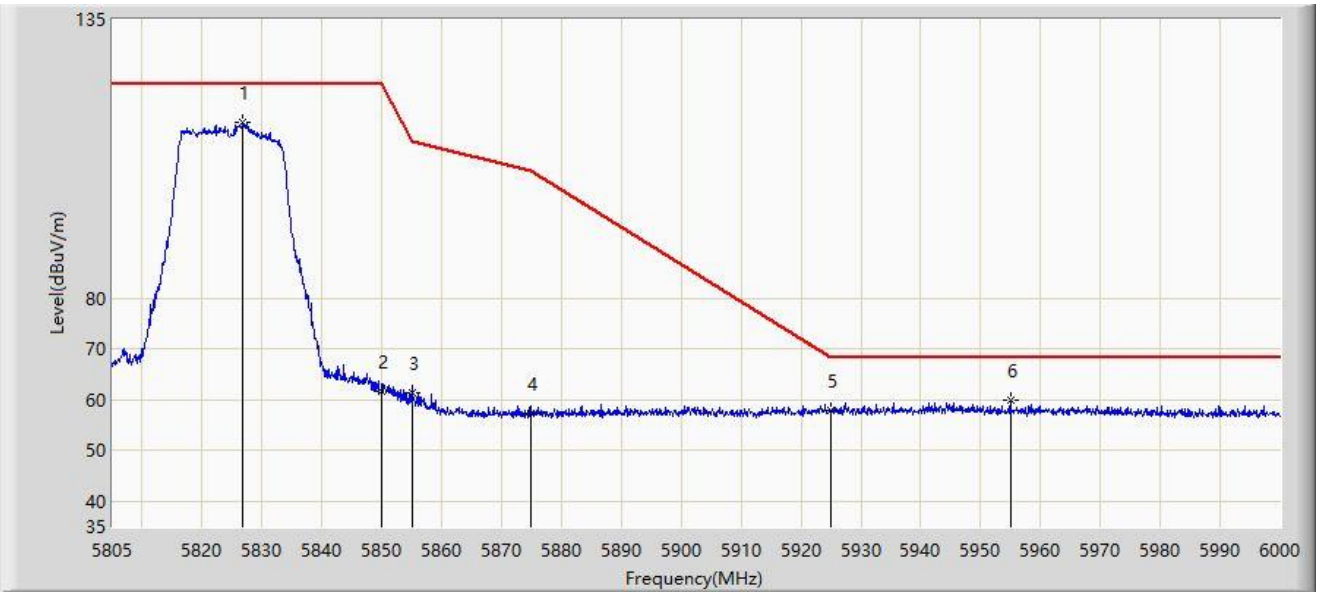
No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1		5823.135	116.216	112.844	N/A	N/A	3.372	PK
2		5850.000	62.285	58.953	-59.915	122.200	3.333	PK
3		5855.000	61.282	57.942	-49.518	110.800	3.340	PK
4		5875.000	57.100	53.706	-48.100	105.200	3.393	PK
5		5925.000	57.536	53.771	-10.664	68.200	3.766	PK
6	*	5969.385	59.878	56.122	-8.322	68.200	3.757	PK

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: NS-AC1	Test Date: 2023-05-31
Limit: FCC_5.8G_RE(3m)	Engineer: Ted Chen
Probe: NS-AC1_BBHA9120D_2111_1-18GHz	Polarity: Vertical
EUT: HAN Access Point (AP431)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at 5825MHz	



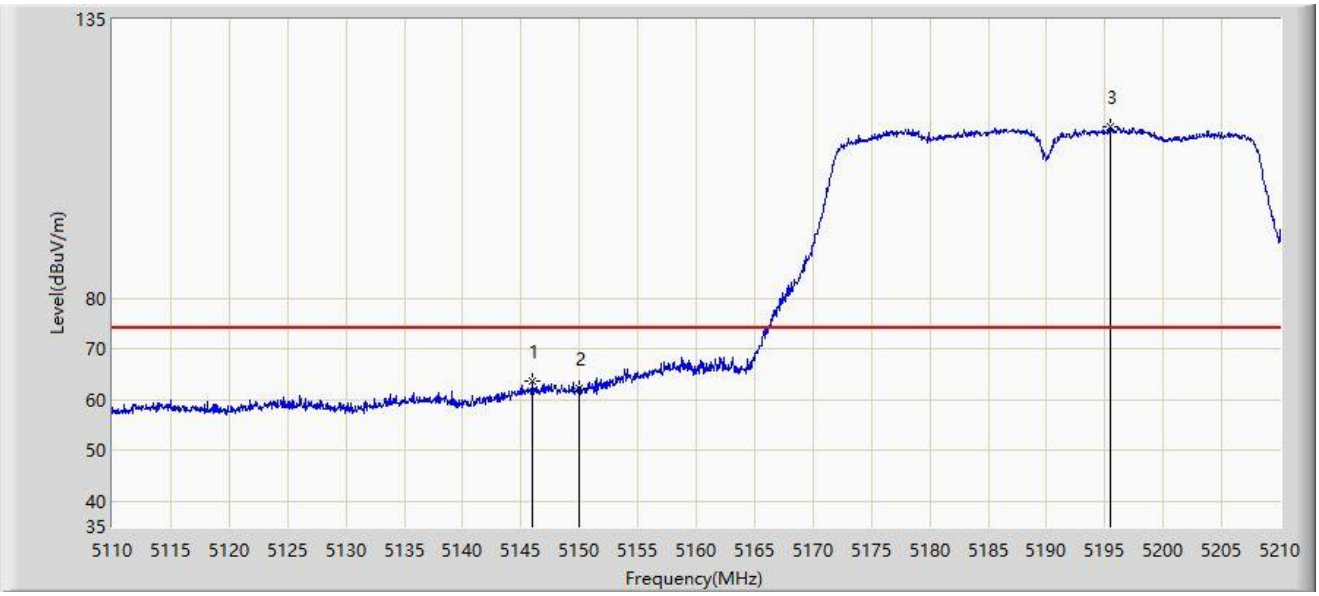
No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1		5826.840	114.733	111.295	N/A	N/A	3.437	PK
2		5850.000	61.663	58.331	-60.537	122.200	3.333	PK
3		5855.000	61.437	58.097	-49.363	110.800	3.340	PK
4		5875.000	57.329	53.935	-47.871	105.200	3.393	PK
5		5925.000	57.807	54.042	-10.393	68.200	3.766	PK
6	*	5954.955	59.861	55.964	-8.339	68.200	3.897	PK

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: NS-AC1	Test Date: 2023-05-31
Limit: FCC_5G_RE(3m)	Engineer: Ted Chen
Probe: NS-AC1_BBHA9120D_2111_1-18GHz	Polarity: Horizontal
EUT: HAN Access Point (AP431)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at 5190MHz	



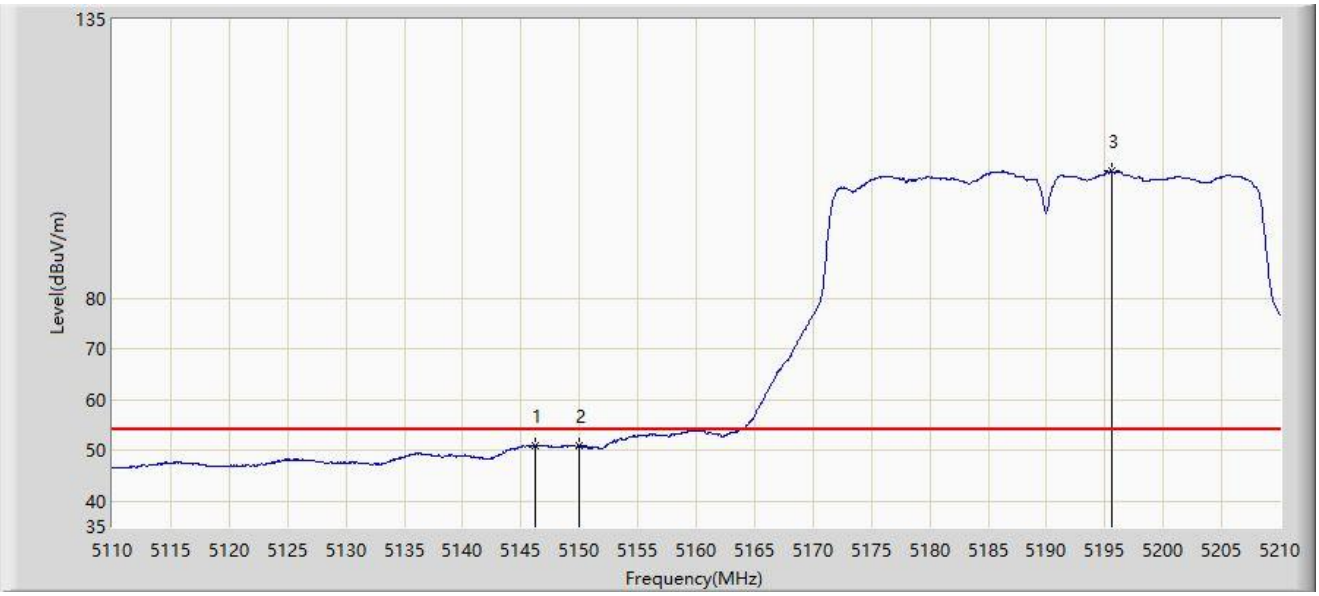
No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1	*	5145.950	63.741	61.213	-10.259	74.000	2.527	PK
2		5150.000	62.344	59.785	-11.656	74.000	2.559	PK
3		5195.450	113.740	111.934	N/A	N/A	1.806	PK

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: NS-AC1	Test Date: 2023-05-31
Limit: FCC_5G_RE(3m)	Engineer: Ted Chen
Probe: NS-AC1_BBHA9120D_2111_1-18GHz	Polarity: Horizontal
EUT: HAN Access Point (AP431)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at 5190MHz	



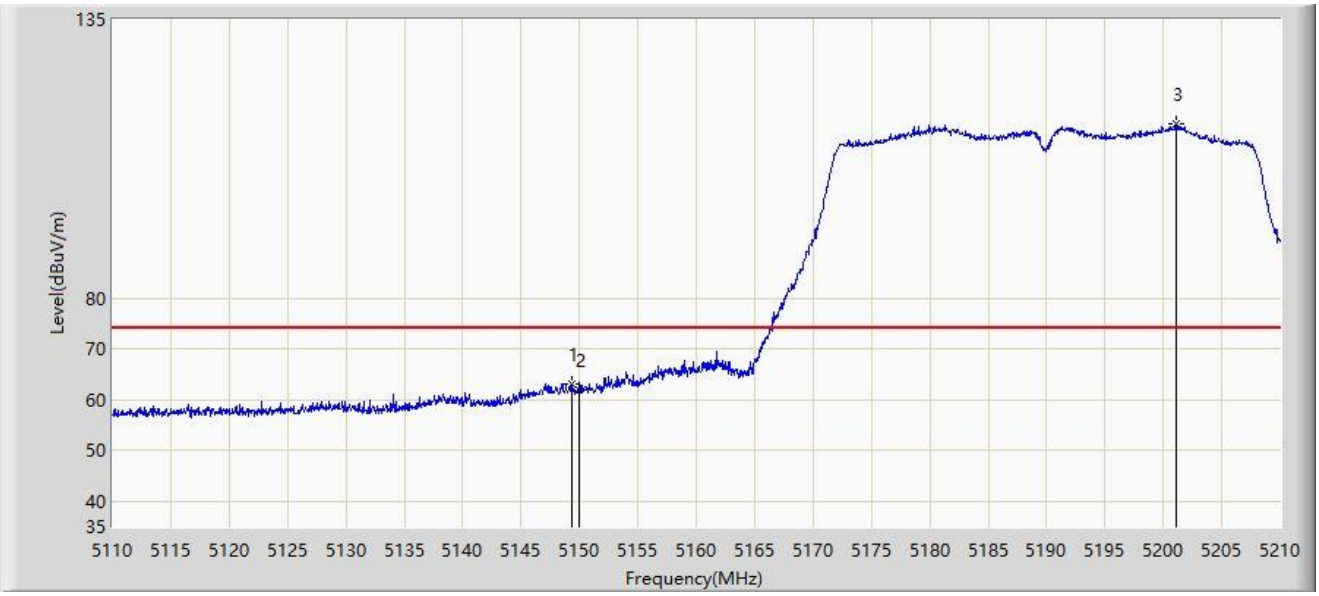
No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1	*	5146.250	51.063	48.529	-2.937	54.000	2.534	AV
2		5150.000	50.950	48.391	-3.050	54.000	2.559	AV
3		5195.550	105.126	103.321	N/A	N/A	1.806	AV

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: NS-AC1	Test Date: 2023-05-31
Limit: FCC_5G_RE(3m)	Engineer: Ted Chen
Probe: NS-AC1_BBHA9120D_2111_1-18GHz	Polarity: Vertical
EUT: HAN Access Point (AP431)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at 5190MHz	



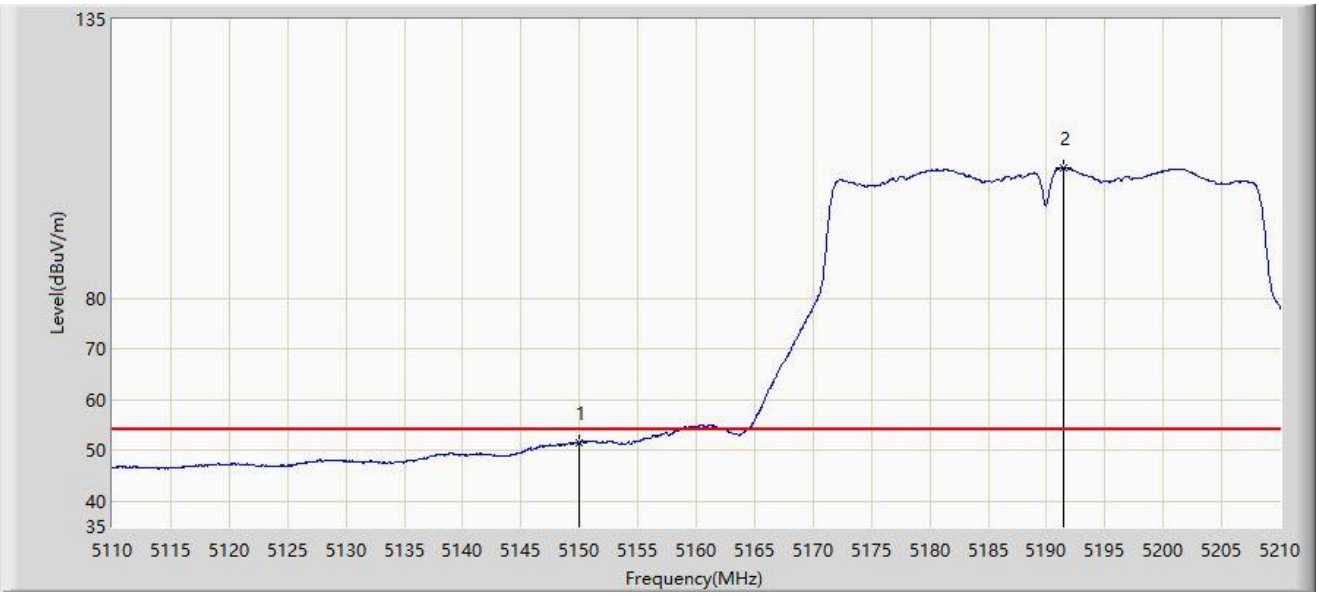
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	5149.400	63.217	60.654	-10.783	74.000	2.564	PK
2		5150.000	61.823	59.264	-12.177	74.000	2.559	PK
3		5201.050	114.397	112.563	N/A	N/A	1.834	PK

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: NS-AC1	Test Date: 2023-05-31
Limit: FCC_5G_RE(3m)	Engineer: Ted Chen
Probe: NS-AC1_BBHA9120D_2111_1-18GHz	Polarity: Vertical
EUT: HAN Access Point (AP431)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at 5190MHz	



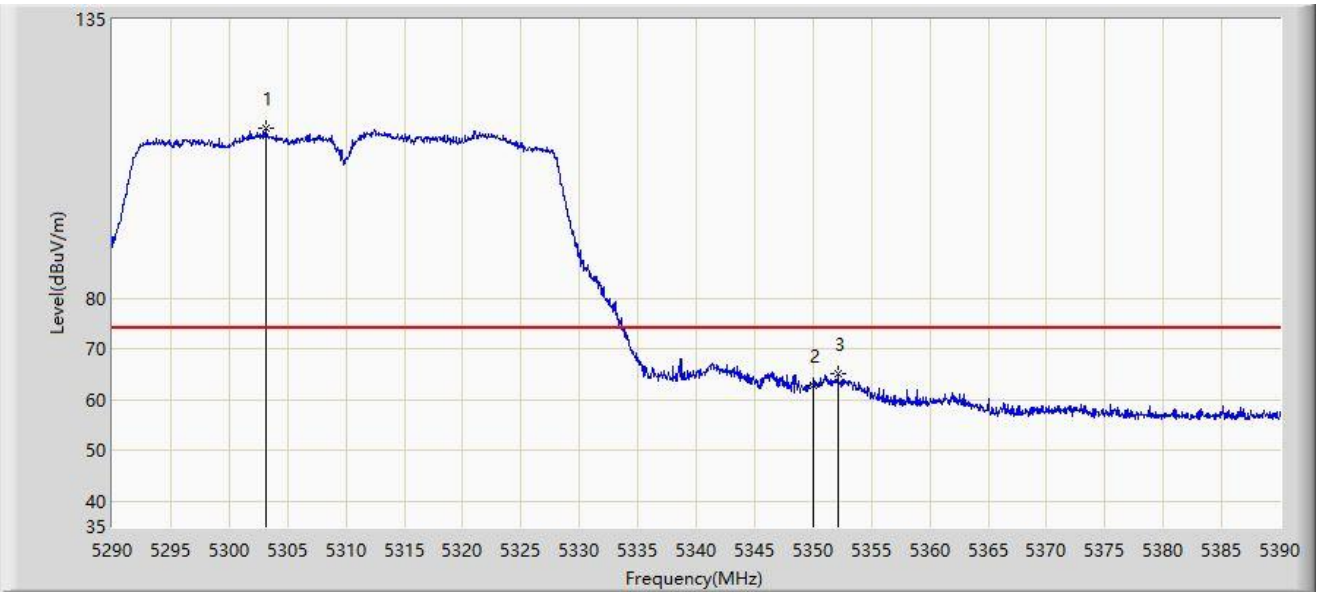
No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1	*	5150.000	51.616	49.057	-2.384	54.000	2.559	AV
2		5191.400	105.763	103.928	N/A	N/A	1.835	AV

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: NS-AC1	Test Date: 2023-05-31
Limit: FCC_5G_RE(3m)	Engineer: Ted Chen
Probe: NS-AC1_BBHA9120D_2111_1-18GHz	Polarity: Horizontal
EUT: HAN Access Point (AP431)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at 5310MHz	



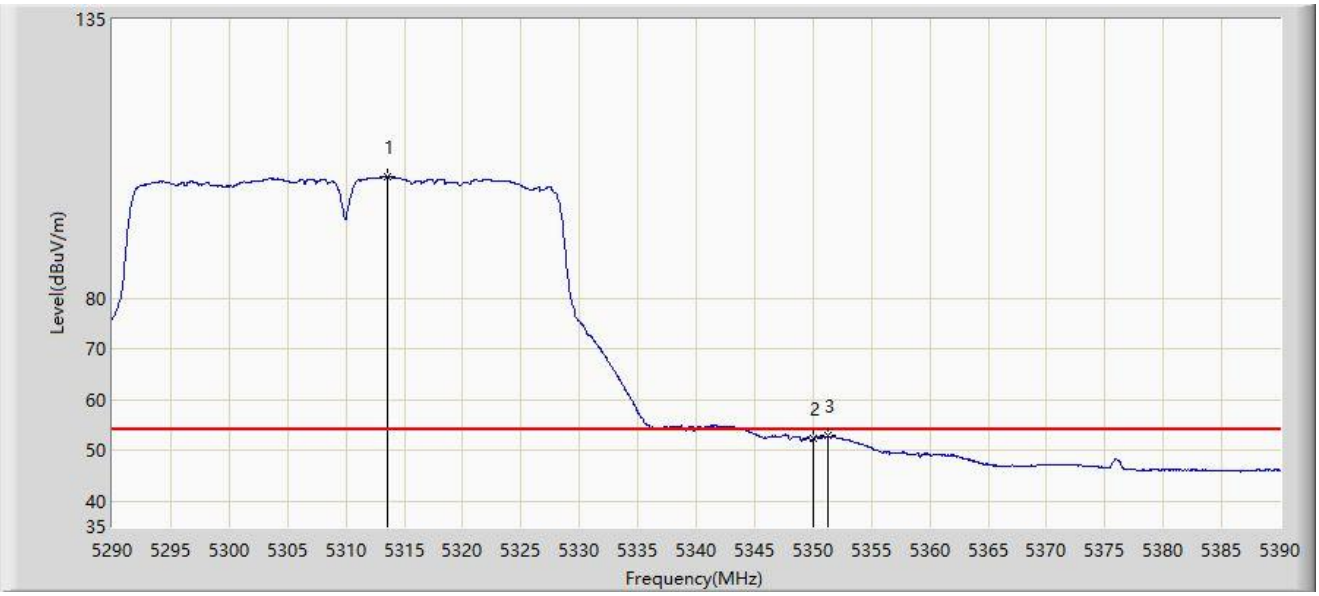
No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1		5303.200	113.465	111.727	N/A	N/A	1.739	PK
2		5350.000	62.801	61.291	-11.199	74.000	1.510	PK
3	*	5352.150	65.019	63.511	-8.981	74.000	1.508	PK

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: NS-AC1	Test Date: 2023-05-31
Limit: FCC_5G_RE(3m)	Engineer: Ted Chen
Probe: NS-AC1_BBHA9120D_2111_1-18GHz	Polarity: Horizontal
EUT: HAN Access Point (AP431)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at 5310MHz	



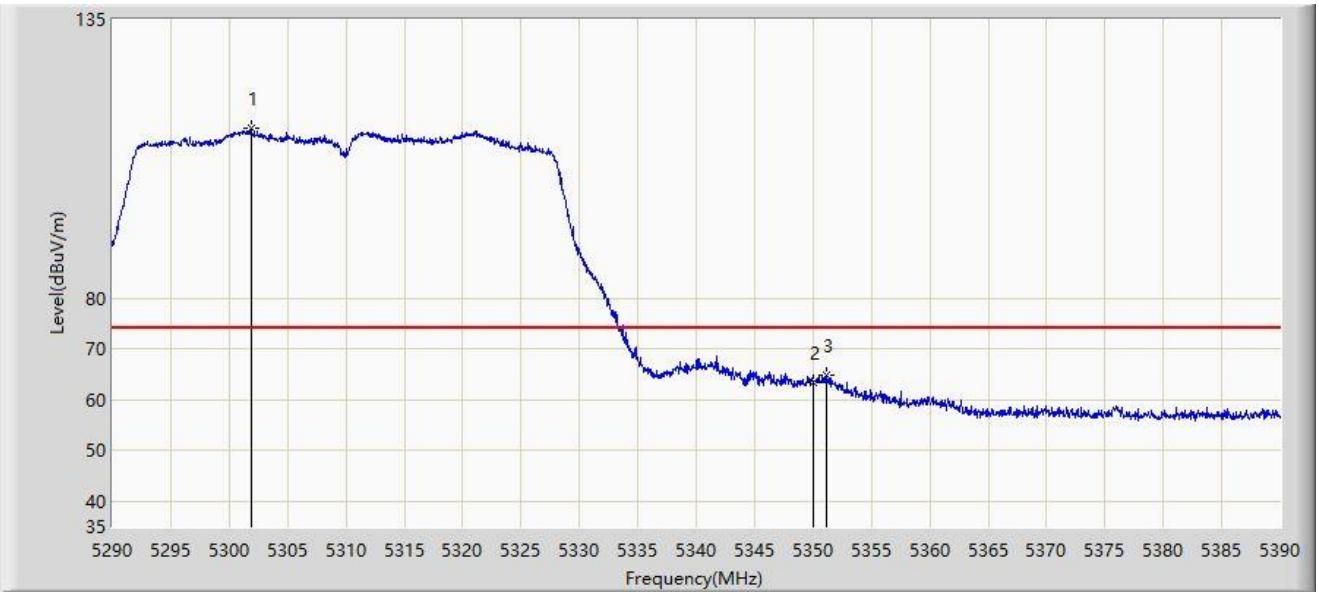
No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1		5313.550	104.045	102.436	N/A	N/A	1.609	AV
2		5350.000	52.337	50.827	-1.663	54.000	1.510	AV
3	*	5351.250	52.838	51.330	-1.162	54.000	1.508	AV

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: NS-AC1	Test Date: 2023-05-31
Limit: FCC_5G_RE(3m)	Engineer: Ted Chen
Probe: NS-AC1_BBHA9120D_2111_1-18GHz	Polarity: Vertical
EUT: HAN Access Point (AP431)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at 5310MHz	



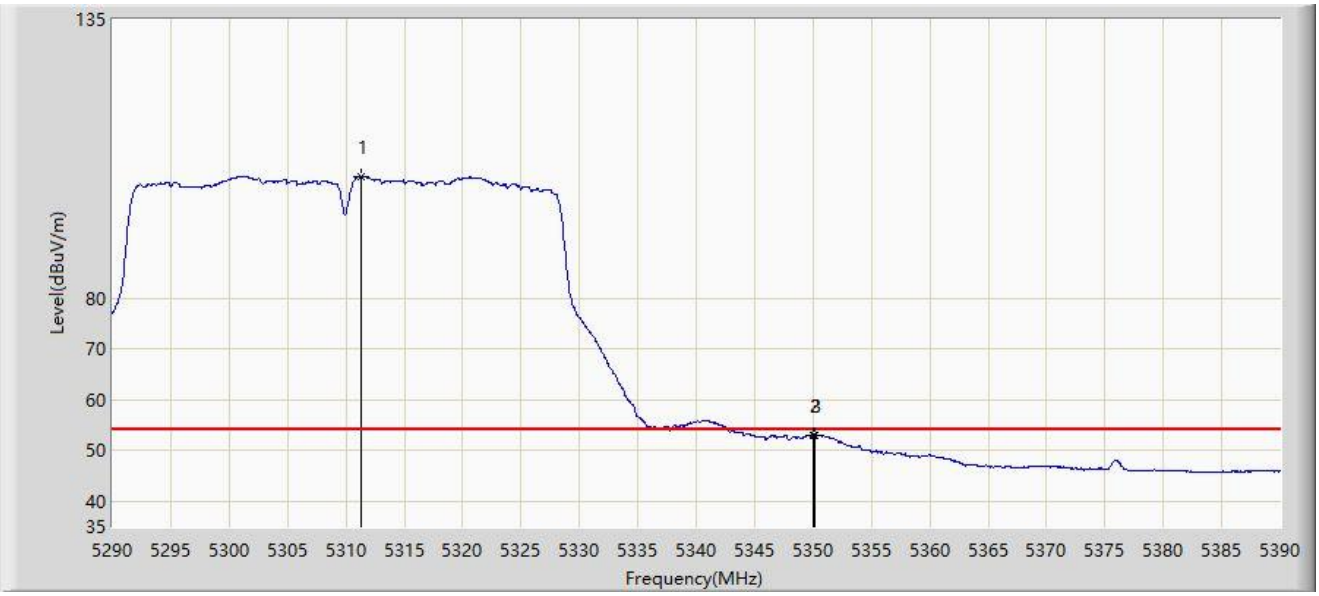
No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1		5301.900	113.570	111.815	N/A	N/A	1.755	PK
2		5350.000	63.367	61.857	-10.633	74.000	1.510	PK
3	*	5351.150	64.798	63.290	-9.202	74.000	1.508	PK

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: NS-AC1	Test Date: 2023-05-31
Limit: FCC_5G_RE(3m)	Engineer: Ted Chen
Probe: NS-AC1_BBHA9120D_2111_1-18GHz	Polarity: Vertical
EUT: HAN Access Point (AP431)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at 5310MHz	



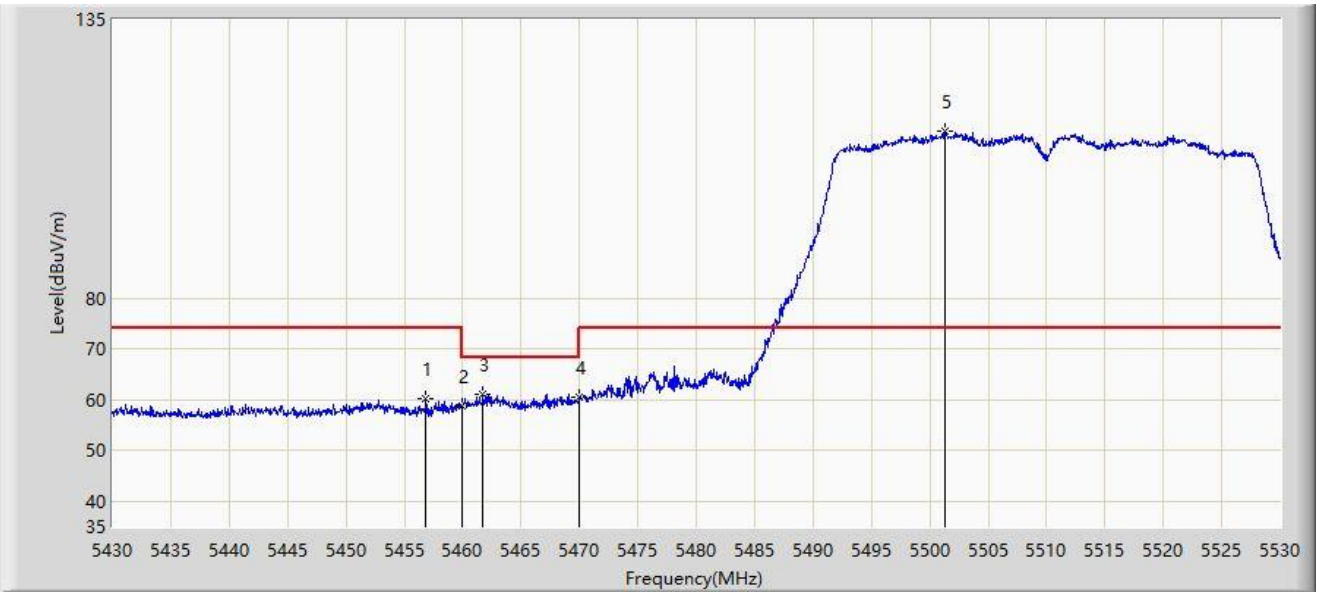
No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1		5311.350	104.008	102.372	N/A	N/A	1.637	AV
2		5350.000	52.903	51.393	-1.097	54.000	1.510	AV
3	*	5350.200	53.053	51.543	-0.947	54.000	1.511	AV

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: NS-AC1	Test Date: 2023-05-31
Limit: FCC_5G_RE(3m)	Engineer: Ted Chen
Probe: NS-AC1_BBHA9120D_2111_1-18GHz	Polarity: Horizontal
EUT: HAN Access Point (AP431)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at 5510MHz	



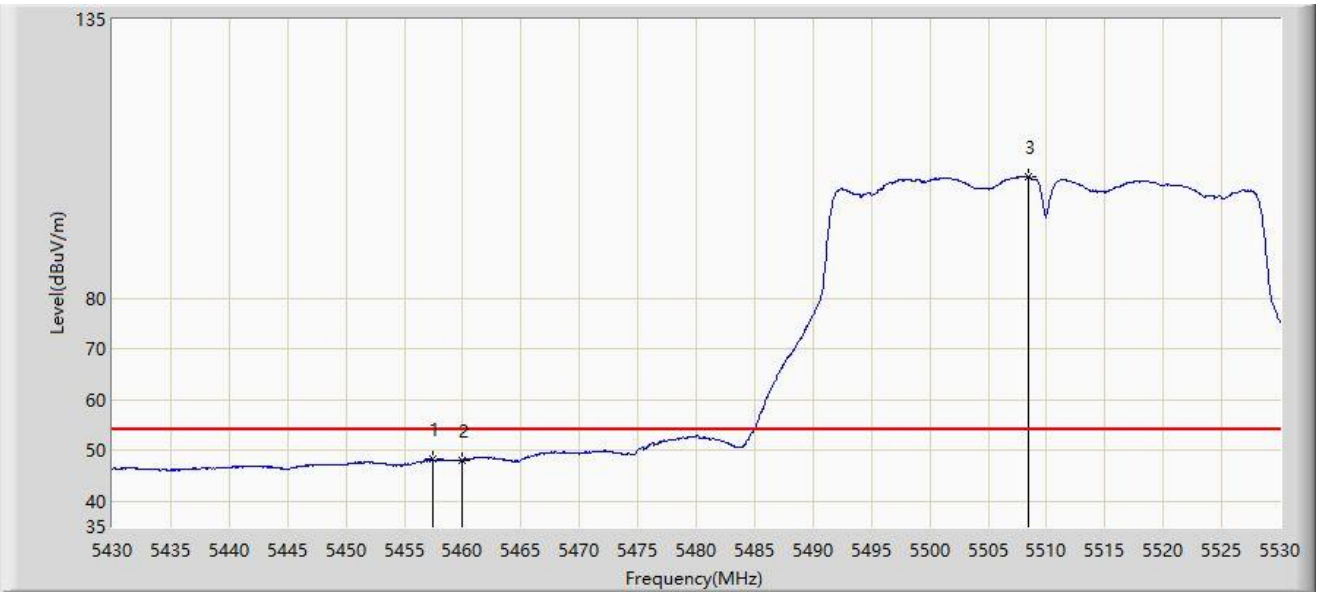
No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1		5456.850	60.180	58.106	-13.820	74.000	2.074	PK
2		5460.000	58.811	56.704	-15.189	74.000	2.108	PK
3	*	5461.700	61.183	59.058	-7.017	68.200	2.125	PK
4		5470.000	60.447	58.235	-7.753	68.200	2.212	PK
5		5501.350	112.920	110.468	N/A	N/A	2.452	PK

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: NS-AC1	Test Date: 2023-05-31
Limit: FCC_5G_RE(3m)	Engineer: Ted Chen
Probe: NS-AC1_BBHA9120D_2111_1-18GHz	Polarity: Horizontal
EUT: HAN Access Point (AP431)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at 5510MHz	



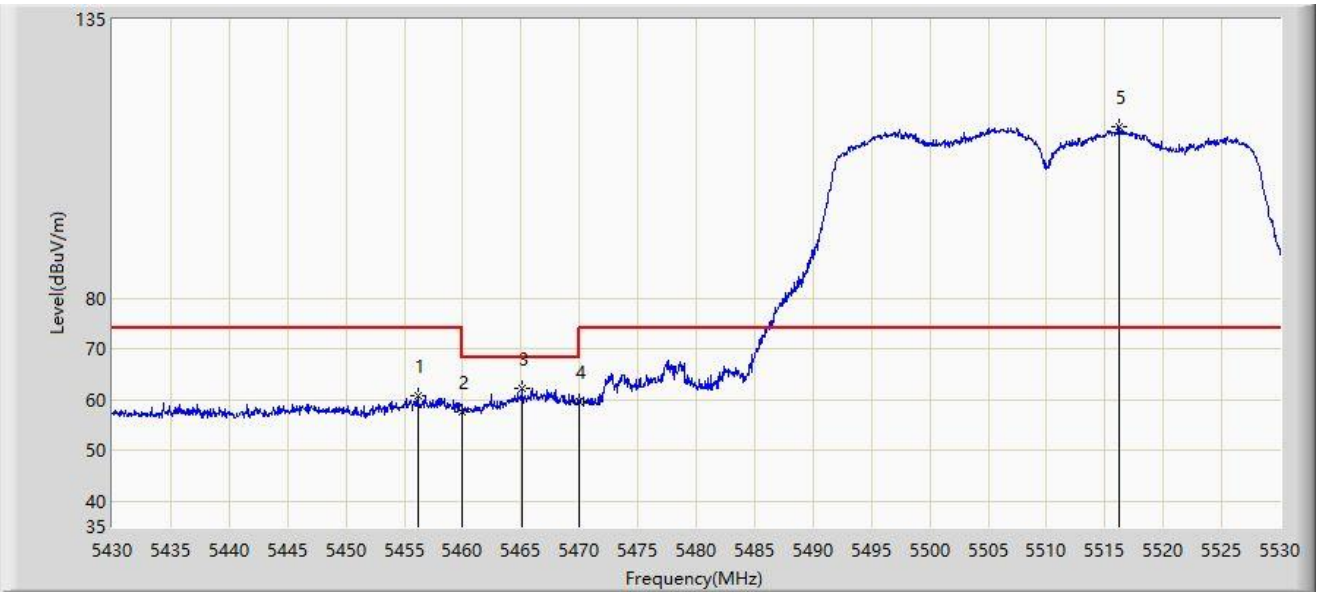
No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1	*	5457.400	48.275	46.195	-5.725	54.000	2.079	AV
2		5460.000	48.088	45.981	-5.912	54.000	2.108	AV
3		5508.450	104.092	101.793	N/A	N/A	2.300	AV

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: NS-AC1	Test Date: 2023-05-31
Limit: FCC_5G_RE(3m)	Engineer: Ted Chen
Probe: NS-AC1_BBHA9120D_2111_1-18GHz	Polarity: Vertical
EUT: HAN Access Point (AP431)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at 5510MHz	



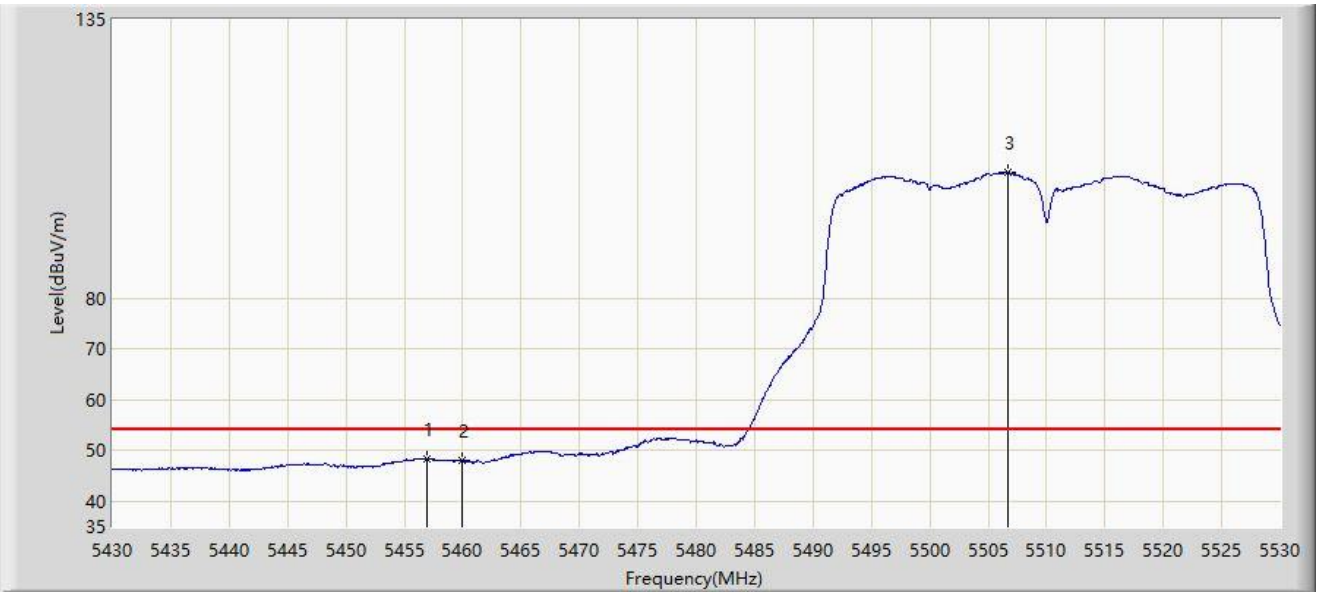
No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1		5456.150	60.758	58.691	-13.242	74.000	2.067	PK
2		5460.000	57.729	55.622	-16.271	74.000	2.108	PK
3	*	5465.100	62.119	59.958	-6.081	68.200	2.162	PK
4		5470.000	59.582	57.370	-8.618	68.200	2.212	PK
5		5516.200	113.822	111.776	N/A	N/A	2.047	PK

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: NS-AC1	Test Date: 2023-05-31
Limit: FCC_5G_RE(3m)	Engineer: Ted Chen
Probe: NS-AC1_BBHA9120D_2111_1-18GHz	Polarity: Vertical
EUT: HAN Access Point (AP431)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at 5510MHz	



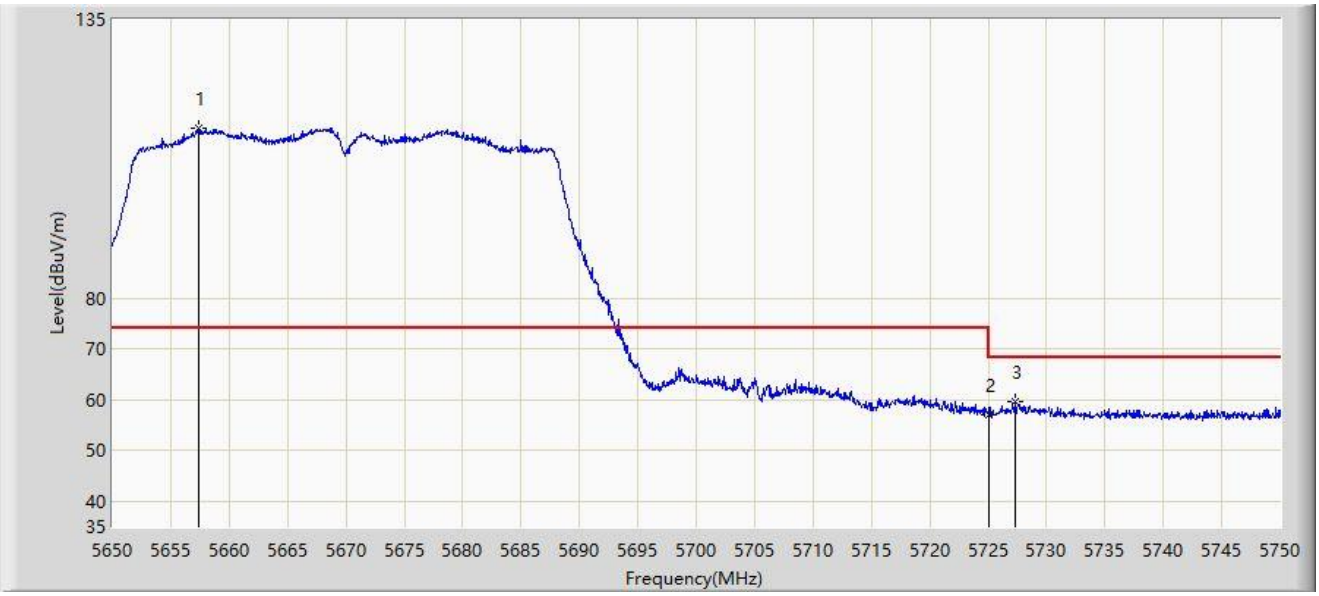
No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1	*	5457.000	48.416	46.340	-5.584	54.000	2.075	AV
2		5460.000	47.983	45.876	-6.017	54.000	2.108	AV
3		5506.650	104.815	102.457	N/A	N/A	2.358	AV

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: NS-AC1	Test Date: 2023-05-31
Limit: FCC_5G_RE(3m)	Engineer: Ted Chen
Probe: NS-AC1_BBHA9120D_2111_1-18GHz	Polarity: Horizontal
EUT: HAN Access Point (AP431)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at 5670MHz	



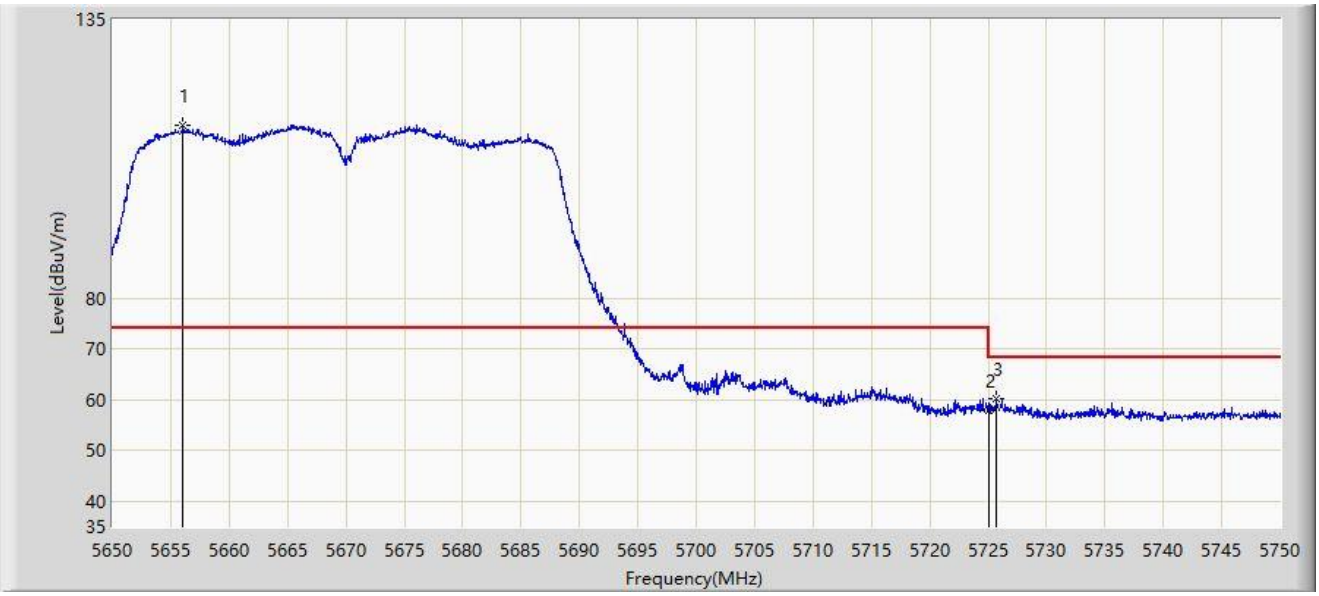
No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1		5657.450	113.530	110.959	N/A	N/A	2.570	PK
2		5725.000	57.141	54.297	-11.059	68.200	2.844	PK
3	*	5727.350	59.548	56.683	-8.652	68.200	2.865	PK

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: NS-AC1	Test Date: 2023-05-31
Limit: FCC_5G_RE(3m)	Engineer: Ted Chen
Probe: NS-AC1_BBHA9120D_2111_1-18GHz	Polarity: Vertical
EUT: HAN Access Point (AP431)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at 5670MHz	



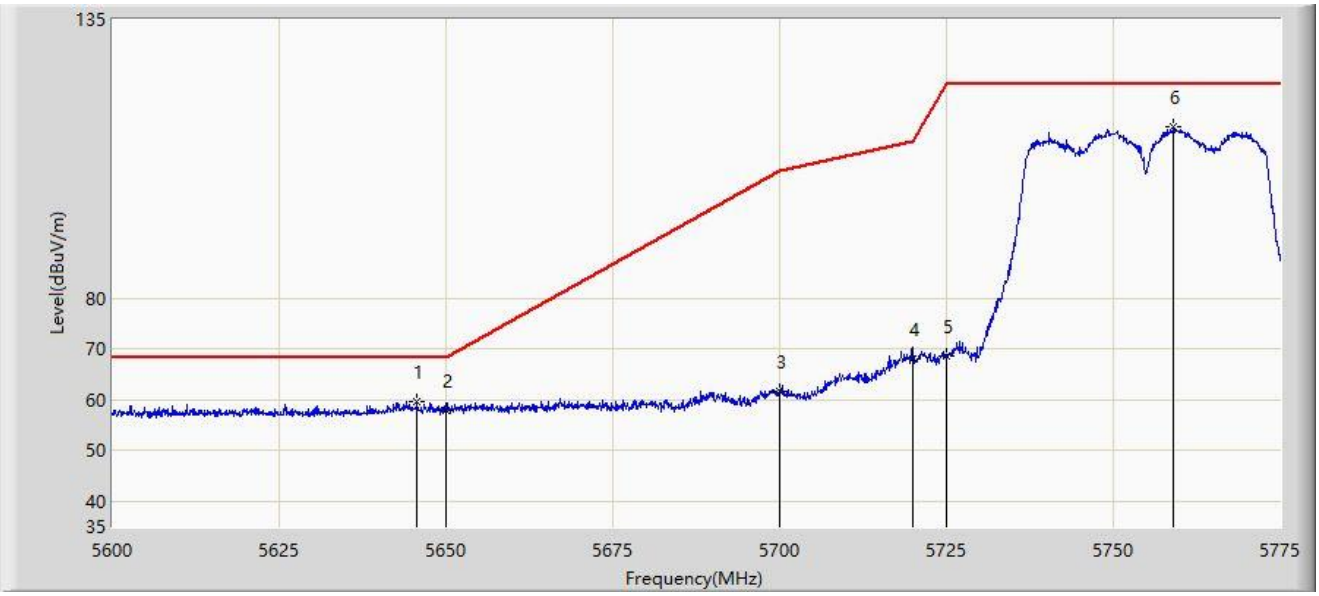
No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1		5656.050	114.268	111.701	N/A	N/A	2.567	PK
2		5725.000	57.876	55.032	-10.324	68.200	2.844	PK
3	*	5725.700	60.356	57.507	-7.844	68.200	2.848	PK

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: NS-AC1	Test Date: 2023-05-31
Limit: FCC_5.8G_RE(3m)	Engineer: Ted Chen
Probe: NS-AC1_BBHA9120D_2111_1-18GHz	Polarity: Horizontal
EUT: HAN Access Point (AP431)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at 5755MHz	



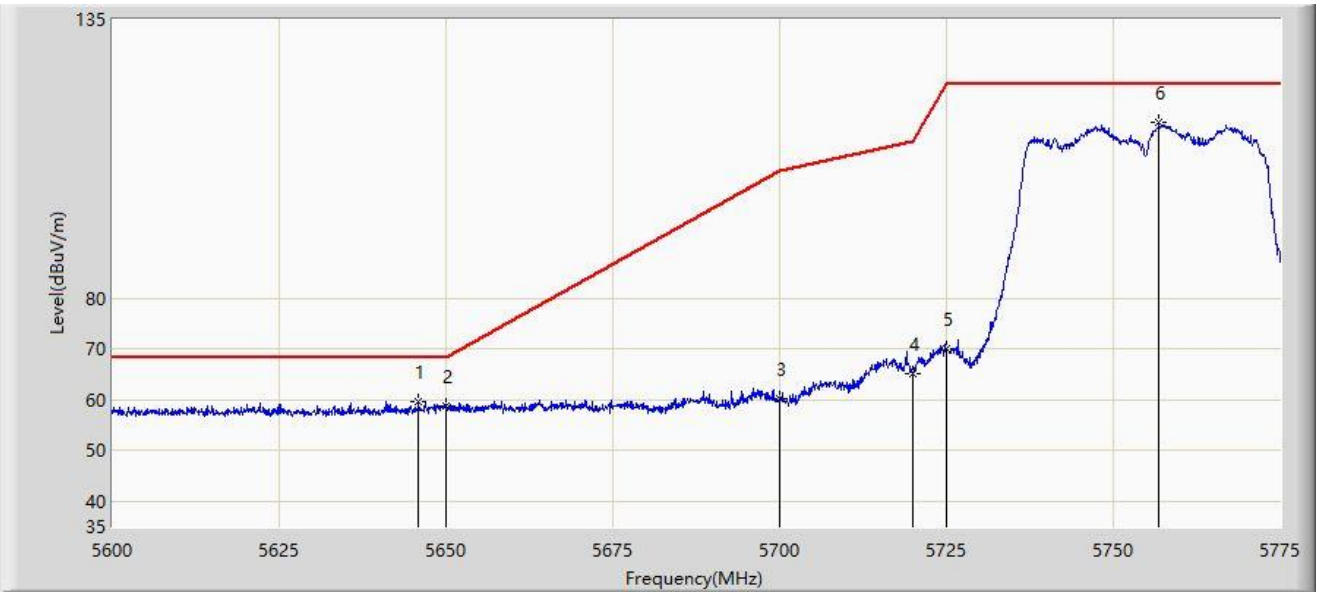
No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1	*	5645.675	59.760	57.220	-8.440	68.200	2.540	PK
2		5650.000	57.879	55.328	-10.321	68.200	2.552	PK
3		5700.000	61.754	58.887	-43.446	105.200	2.867	PK
4		5720.000	68.099	65.289	-42.701	110.800	2.810	PK
5		5725.000	68.538	65.694	-53.662	122.200	2.844	PK
6		5758.987	113.871	110.709	N/A	N/A	3.163	PK

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: NS-AC1	Test Date: 2023-05-31
Limit: FCC_5.8G_RE(3m)	Engineer: Ted Chen
Probe: NS-AC1_BBHA9120D_2111_1-18GHz	Polarity: Vertical
EUT: HAN Access Point (AP431)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at 5755MHz	



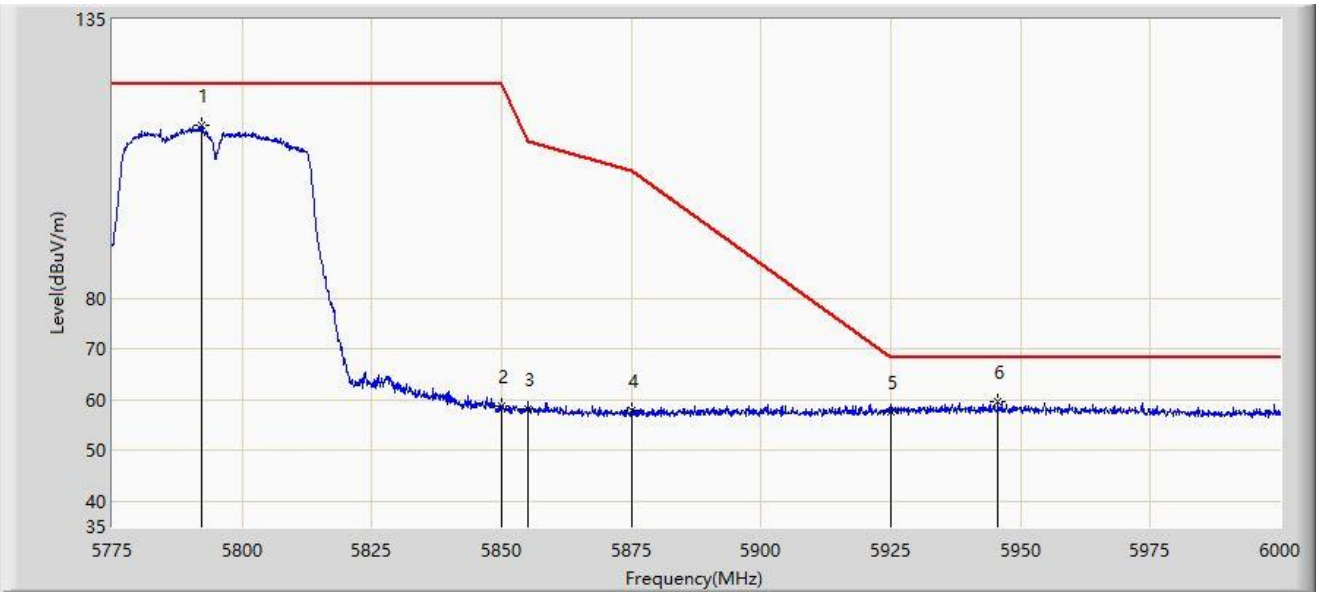
No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1	*	5645.937	59.598	57.057	-8.602	68.200	2.542	PK
2		5650.000	58.787	56.236	-9.413	68.200	2.552	PK
3		5700.000	60.115	57.248	-45.085	105.200	2.867	PK
4		5720.000	65.092	62.282	-45.708	110.800	2.810	PK
5		5725.000	70.013	67.169	-52.187	122.200	2.844	PK
6		5756.800	114.621	111.477	N/A	N/A	3.144	PK

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: NS-AC1	Test Date: 2023-06-01
Limit: FCC_5.8G_RE(3m)	Engineer: Ted Chen
Probe: NS-AC1_BBHA9120D_2111_1-18GHz	Polarity: Horizontal
EUT: HAN Access Point (AP431)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at 5795MHz	



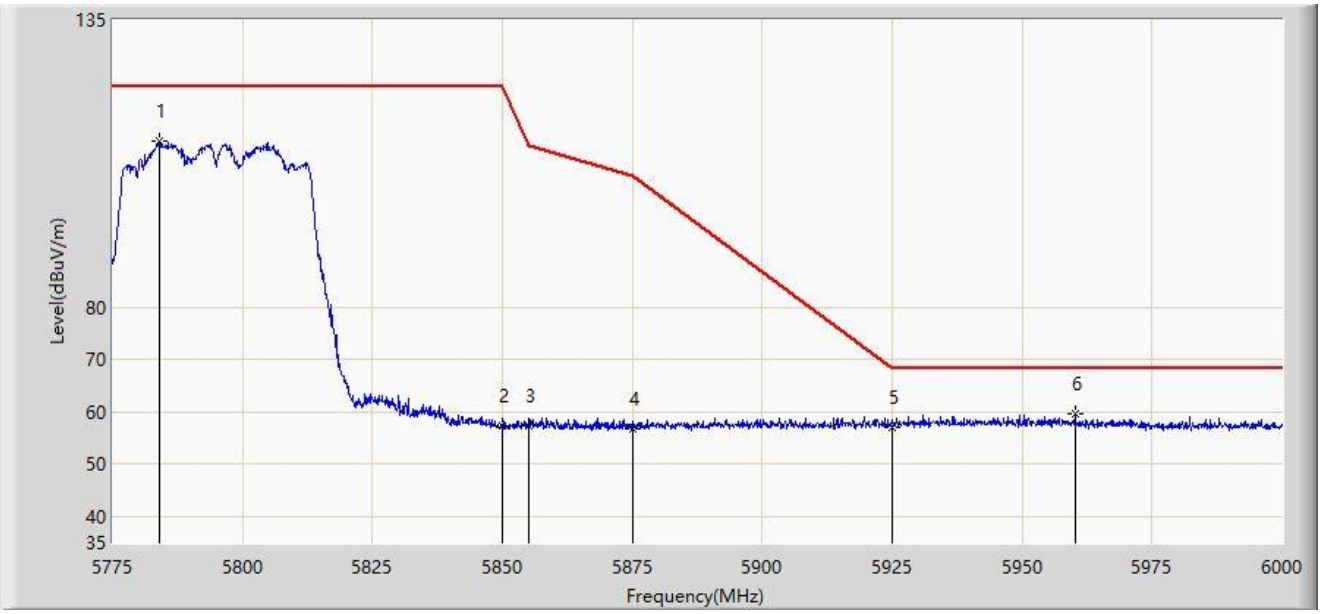
No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1		5792.325	114.070	110.882	N/A	N/A	3.188	PK
2		5850.000	58.669	55.337	-63.531	122.200	3.333	PK
3		5855.000	58.208	54.868	-52.592	110.800	3.340	PK
4		5875.000	57.978	54.584	-47.222	105.200	3.393	PK
5		5925.000	57.605	53.840	-10.595	68.200	3.766	PK
6	*	5945.663	59.624	55.662	-8.576	68.200	3.962	PK

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: NS-AC1	Test Date: 2023-06-01
Limit: FCC_5.8G_RE(3m)	Engineer: Ted Chen
Probe: NS-AC1_BBHA9120D_2111_1-18GHz	Polarity: Vertical
EUT: HAN Access Point (AP431)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at 5795MHz	



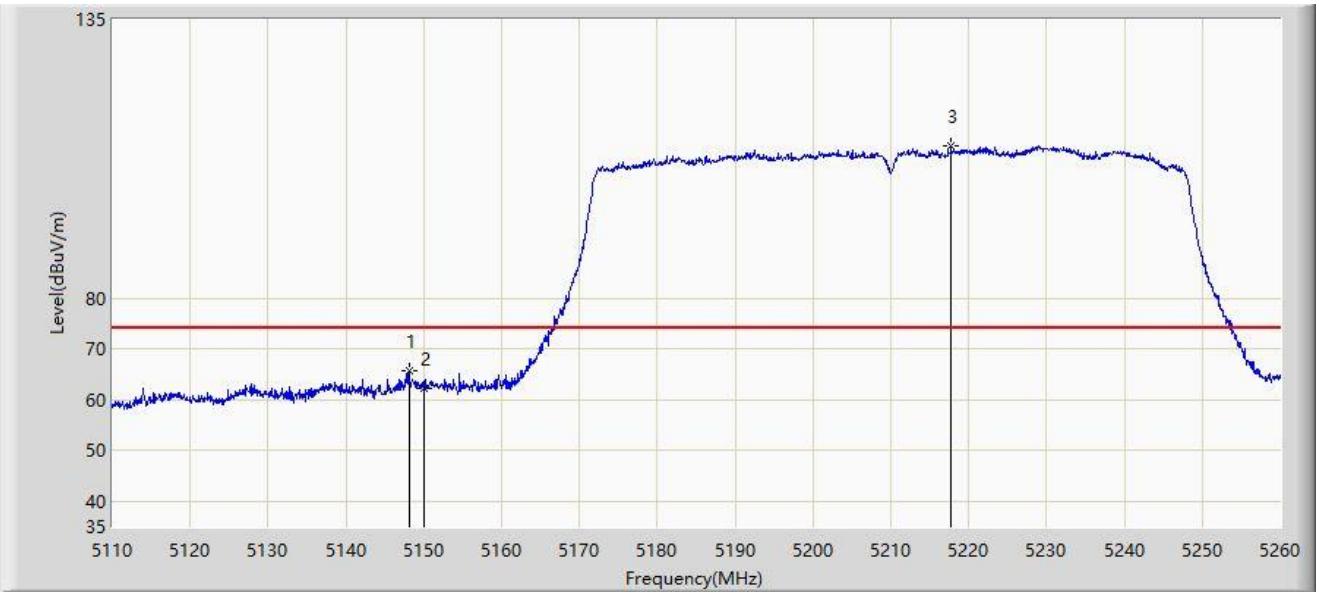
No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1		5783.888	111.854	108.746	N/A	N/A	3.109	PK
2		5850.000	57.397	54.065	-64.803	122.200	3.333	PK
3		5855.000	57.454	54.114	-53.346	110.800	3.340	PK
4		5875.000	56.804	53.410	-48.396	105.200	3.393	PK
5		5925.000	57.018	53.253	-11.182	68.200	3.766	PK
6	*	5960.175	59.498	55.649	-8.702	68.200	3.849	PK

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: NS-AC1	Test Date: 2023-06-01
Limit: FCC_5G_RE(3m)	Engineer: Ted Chen
Probe: NS-AC1_BBHA9120D_2111_1-18GHz	Polarity: Horizontal
EUT: HAN Access Point (AP431)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at 5210MHz	



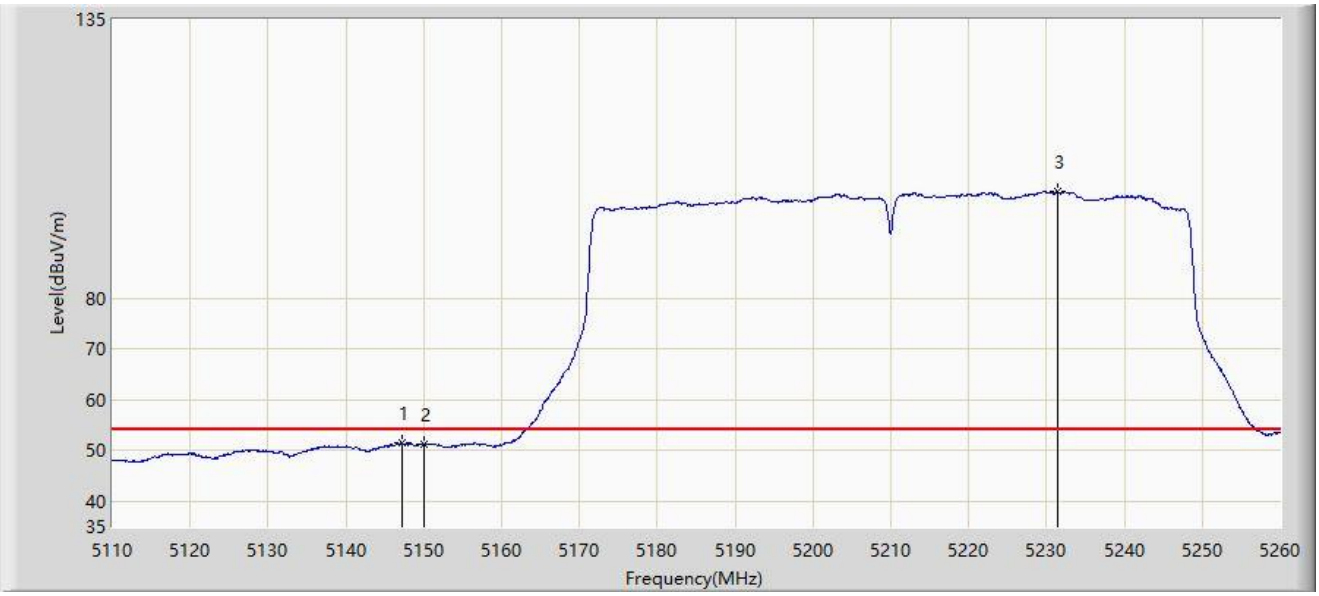
No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1	*	5148.100	65.588	63.016	-8.412	74.000	2.573	PK
2		5150.000	62.270	59.711	-11.730	74.000	2.559	PK
3		5217.700	109.979	107.773	N/A	N/A	2.206	PK

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: NS-AC1	Test Date: 2023-06-01
Limit: FCC_5G_RE(3m)	Engineer: Ted Chen
Probe: NS-AC1_BBHA9120D_2111_1-18GHz	Polarity: Horizontal
EUT: HAN Access Point (AP431)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at 5210MHz	



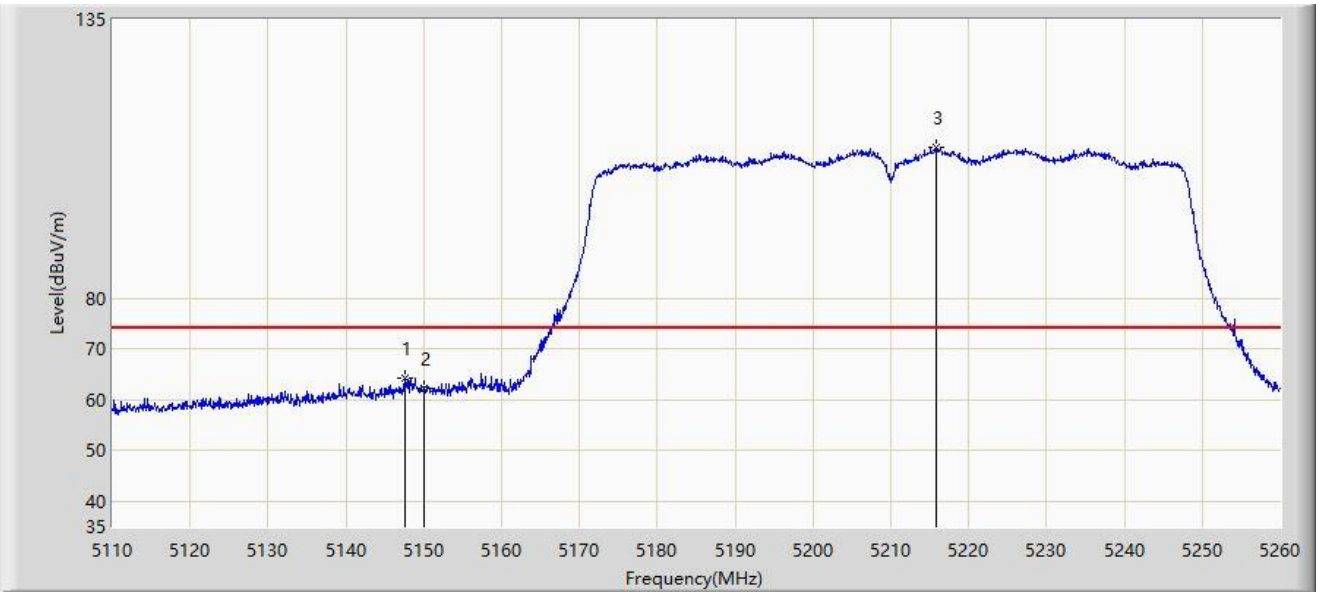
No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1	*	5147.125	51.613	49.059	-2.387	54.000	2.553	AV
2		5150.000	51.296	48.737	-2.704	54.000	2.559	AV
3		5231.425	101.138	99.047	N/A	N/A	2.091	AV

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: NS-AC1	Test Date: 2023-06-01
Limit: FCC_5G_RE(3m)	Engineer: Ted Chen
Probe: NS-AC1_BBHA9120D_2111_1-18GHz	Polarity: Vertical
EUT: HAN Access Point (AP431)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at 5210MHz	



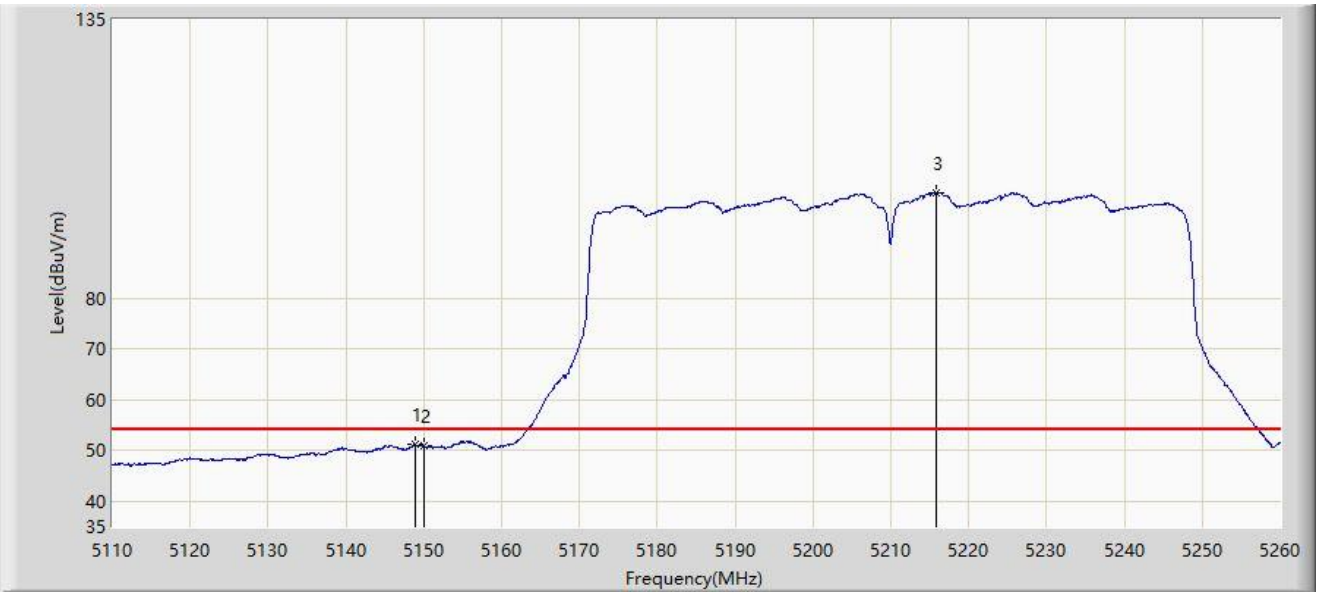
No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1	*	5147.500	64.261	61.699	-9.739	74.000	2.562	PK
2		5150.000	62.204	59.645	-11.796	74.000	2.559	PK
3		5215.750	109.808	107.594	N/A	N/A	2.214	PK

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: NS-AC1	Test Date: 2023-06-01
Limit: FCC_5G_RE(3m)	Engineer: Ted Chen
Probe: NS-AC1_BBHA9120D_2111_1-18GHz	Polarity: Vertical
EUT: HAN Access Point (AP431)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at 5210MHz	



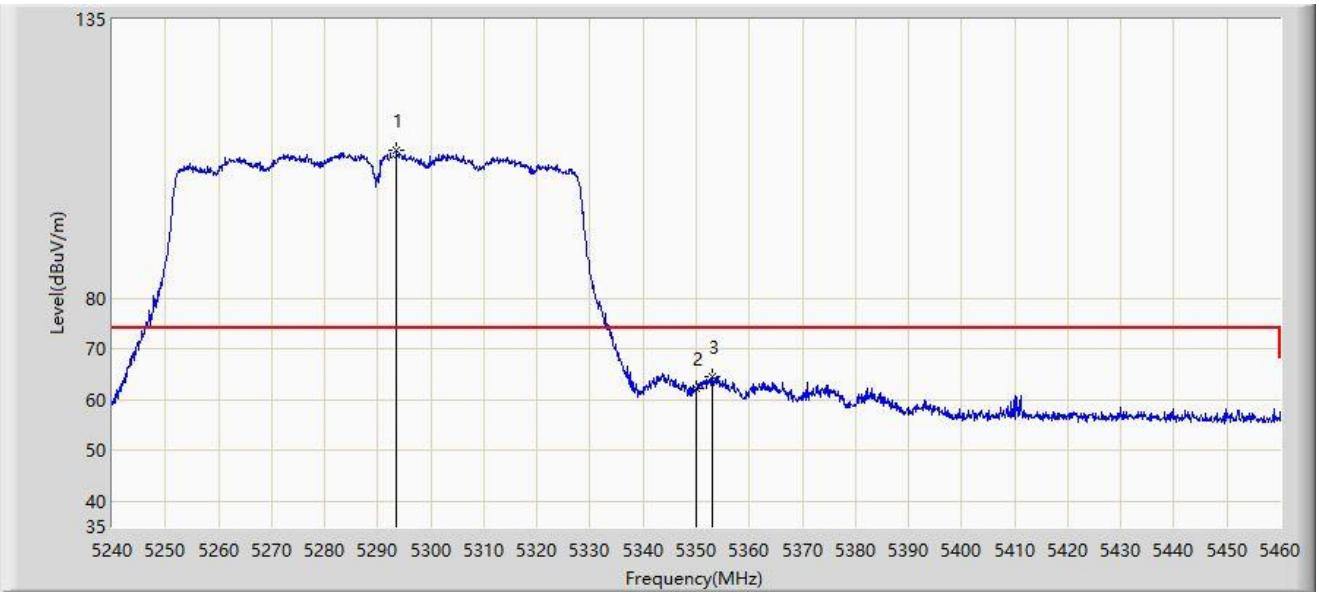
No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1	*	5148.850	51.277	48.710	-2.723	54.000	2.567	AV
2		5150.000	50.844	48.285	-3.156	54.000	2.559	AV
3		5215.750	100.865	98.651	N/A	N/A	2.214	AV

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: NS-AC1	Test Date: 2023-06-01
Limit: FCC_5G_RE(3m)	Engineer: Ted Chen
Probe: NS-AC1_BBHA9120D_2111_1-18GHz	Polarity: Horizontal
EUT: HAN Access Point (AP431)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at 5290MHz	



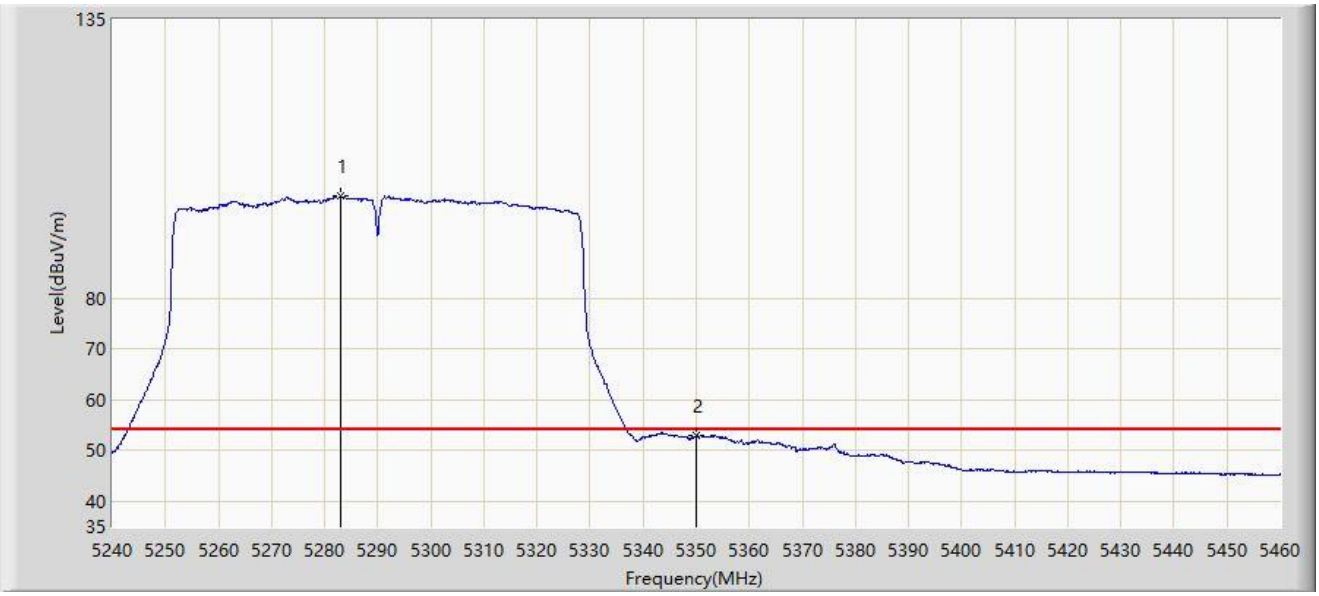
No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1		5293.570	109.104	107.293	N/A	N/A	1.811	PK
2		5350.000	62.378	60.868	-11.622	74.000	1.510	PK
3	*	5352.970	64.587	63.067	-9.413	74.000	1.520	PK

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: NS-AC1	Test Date: 2023-06-01
Limit: FCC_5G_RE(3m)	Engineer: Ted Chen
Probe: NS-AC1_BBHA9120D_2111_1-18GHz	Polarity: Horizontal
EUT: HAN Access Point (AP431)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at 5290MHz	



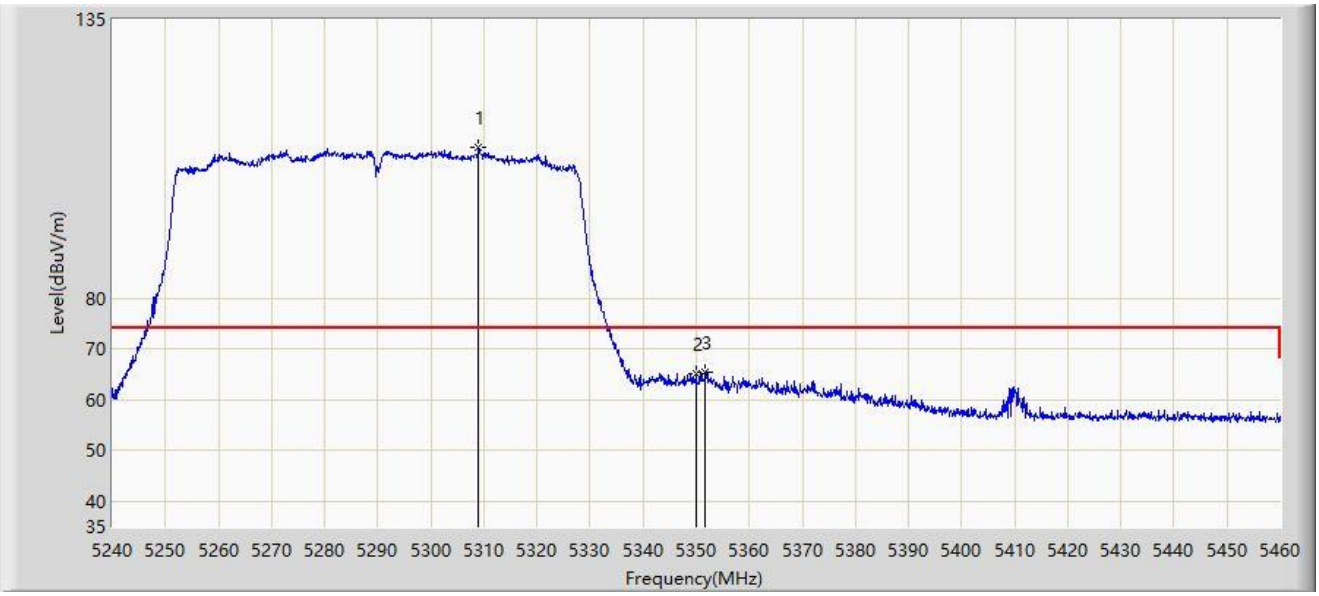
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		5283.010	100.194	98.342	N/A	N/A	1.851	AV
2	*	5350.000	52.949	51.439	-1.051	54.000	1.510	AV

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: NS-AC1	Test Date: 2023-06-01
Limit: FCC_5G_RE(3m)	Engineer: Ted Chen
Probe: NS-AC1_BBHA9120D_2111_1-18GHz	Polarity: Vertical
EUT: HAN Access Point (AP431)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at 5290MHz	



No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1		5308.970	109.788	108.122	N/A	N/A	1.667	PK
2		5350.000	65.219	63.709	-8.781	74.000	1.510	PK
3	*	5351.650	65.489	63.982	-8.511	74.000	1.507	PK

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).