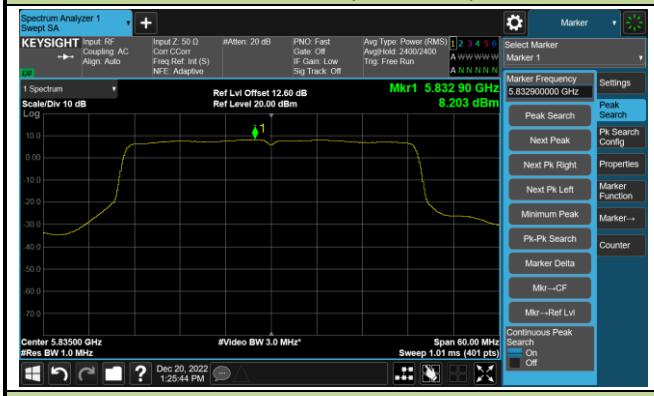
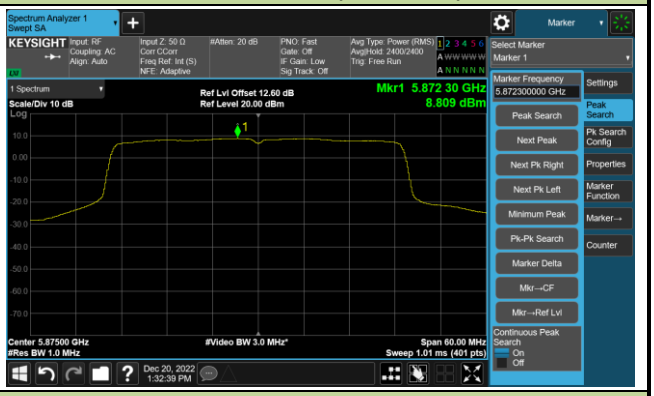
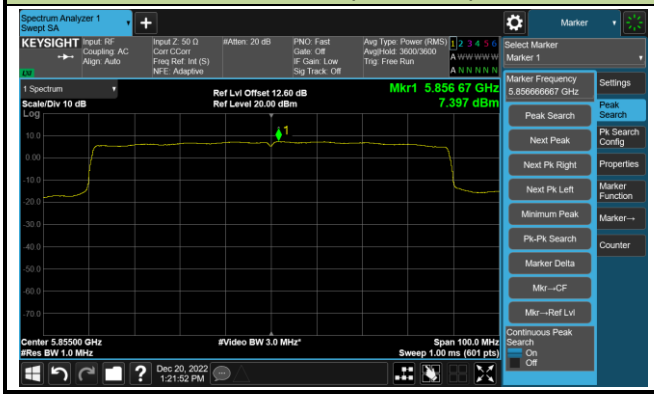
802.11 ax-HE40 Power Spectral Density - Ant 1	
Channel 167 (5835MHz)	Channel 175 (5875MHz)
	
802.11 ax-HE80 Power Spectral Density - Ant 1	
Channel 171 (5855MHz)	
	

A.6 Frequency Stability Test Result

Test Site	WZ-TR3	Test Engineer	Lynn Yang
Test Date	2022-12-20		
Test Mode	5845MHz		

Voltage (%)	Power (VAC)	Temp (°C)	Frequency Tolerance (ppm)			
			0 minutes	2 minutes	5 minutes	10 minutes
100	120	- 30	17.11	15.40	17.11	14.54
		- 20	16.25	17.11	15.40	17.11
		- 10	11.98	15.40	8.55	17.11
		0	8.55	8.55	8.55	6.84
		+ 10	6.84	5.13	3.42	6.84
		+ 20	10.27	3.42	1.71	8.55
		+ 30	13.69	17.11	17.11	10.27
		+ 40	15.40	15.40	10.27	11.98
		+ 50	17.11	15.40	17.11	14.54
115	138	+ 20	16.25	17.11	15.40	17.11
85	102	+ 20	11.98	15.40	8.55	17.11

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

A.7 Radiated Spurious Emission Test Result

Test Site	WZ-AC2	Test Engineer	Edith Yu
Test Date	2023-01-05	Test Mode	802.11a – Channel 169
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
	8242.0	32.5	11.6	44.1	74.0	-29.9	Peak	Horizontal
*	8735.0	32.2	13.2	45.4	108.2	-62.8	Peak	Horizontal
*	10001.5	34.7	14.3	49.0	108.2	-59.2	Peak	Horizontal
	11072.5	31.8	17.2	49.0	74.0	-25.0	Peak	Horizontal
*	7791.5	42.1	11.2	53.3	108.2	-54.9	Peak	Vertical
	8471.5	32.3	12.1	44.4	74.0	-29.6	Peak	Vertical
*	9806.0	33.6	14.2	47.8	108.2	-60.4	Peak	Vertical
	11693.0	31.7	17.5	49.2	74.0	-24.8	Peak	Vertical

Note 1: “*” is not in restricted band.

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	WZ-AC2	Test Engineer	Edith Yu
Test Date	2023-01-05	Test Mode	802.11a – Channel 173
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
	7485.5	32.5	11.5	44.0	74.0	-30.0	Peak	Horizontal
	8454.5	32.5	12.1	44.6	74.0	-29.4	Peak	Horizontal
*	10001.5	35.3	14.3	49.6	108.2	-58.6	Peak	Horizontal
*	17700.0	32.4	16.9	49.3	108.2	-58.9	Peak	Horizontal
	7434.5	31.5	11.8	43.3	74.0	-30.7	Peak	Vertical
*	7842.5	41.6	11.1	52.7	108.2	-55.5	Peak	Vertical
	8412.0	33.0	11.7	44.7	74.0	-29.3	Peak	Vertical
*	9806.0	35.1	14.2	49.3	108.2	-58.9	Peak	Vertical

Note 1: “*” is not in restricted band.

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	WZ-AC2	Test Engineer	Edith Yu
Test Date	2023-01-05	Test Mode	802.11a – Channel 177
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
	8471.5	32.5	12.1	44.6	74.0	-29.4	Peak	Horizontal
*	10001.5	35.6	14.3	49.9	108.2	-58.3	Peak	Horizontal
	11285.0	30.9	18.0	48.9	74.0	-25.1	Peak	Horizontal
*	13104.0	30.7	18.2	48.9	108.2	-59.3	Peak	Horizontal
	7290.0	31.7	11.4	43.1	74.0	-30.9	Peak	Vertical
*	7817.0	41.9	11.1	53.0	108.2	-55.2	Peak	Vertical
*	9806.0	33.7	14.2	47.9	108.2	-60.3	Peak	Vertical
	11514.5	31.7	17.6	49.3	74.0	-24.7	Peak	Vertical

Note 1: “*” is not in restricted band.

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	WZ-AC2	Test Engineer	Edith Yu
Test Date	2023-01-05	Test Mode	802.11ac-VHT20 – Channel 169
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
	7443.0	31.4	11.6	43.0	74.0	-31.0	Peak	Horizontal
	8446.0	31.7	12.1	43.8	74.0	-30.2	Peak	Horizontal
*	10001.5	35.1	14.3	49.4	108.2	-58.8	Peak	Horizontal
*	14107.0	30.7	19.8	50.5	108.2	-57.7	Peak	Horizontal
	7375.0	31.7	11.6	43.3	74.0	-30.7	Peak	Vertical
*	7791.5	41.7	11.2	52.9	108.2	-55.3	Peak	Vertical
*	9806.0	33.8	14.2	48.0	108.2	-60.2	Peak	Vertical
	11268.0	31.7	17.6	49.3	74.0	-24.7	Peak	Vertical

Note 1: "*" is not in restricted band.

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	WZ-AC2	Test Engineer	Edith Yu
Test Date	2023-01-05	Test Mode	802.11ac-VHT20 – Channel 173
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
	7324.0	32.0	11.2	43.2	74.0	-30.8	Peak	Horizontal
*	7817.0	42.2	11.1	53.3	108.2	-54.9	Peak	Horizontal
*	9806.0	33.7	14.2	47.9	108.2	-60.3	Peak	Horizontal
	11659.0	31.6	17.8	49.4	74.0	-24.6	Peak	Horizontal
*	7817.0	42.2	11.1	53.3	108.2	-54.9	Peak	Vertical
	8412.0	32.3	11.7	44.0	74.0	-30.0	Peak	Vertical
	11659.0	31.6	17.8	49.4	74.0	-24.6	Peak	Vertical
*	14192.0	31.3	20.0	51.3	108.2	-56.9	Peak	Vertical

Note 1: "*" is not in restricted band.

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	WZ-AC2	Test Engineer	Edith Yu
Test Date	2023-01-05	Test Mode	802.11ac-VHT20 – Channel 177
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
	7494.0	32.1	11.5	43.6	74.0	-30.4	Peak	Horizontal
*	7987.0	32.5	11.7	44.2	108.2	-64.0	Peak	Horizontal
*	10001.5	35.0	14.3	49.3	108.2	-58.9	Peak	Horizontal
	11378.5	30.9	17.7	48.6	74.0	-25.4	Peak	Horizontal
	7366.5	32.4	11.6	44.0	74.0	-30.0	Peak	Vertical
*	7851.0	41.2	11.2	52.4	108.2	-55.8	Peak	Vertical
*	9806.0	33.8	14.2	48.0	108.2	-60.2	Peak	Vertical
	10970.5	32.1	17.2	49.3	74.0	-24.7	Peak	Vertical

Note 1: “*” is not in restricted band.

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	WZ-AC2	Test Engineer	Edith Yu
Test Date	2023-01-05	Test Mode	802.11ac-VHT40 – Channel 167
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
	7409.0	32.1	11.7	43.8	74.0	-30.2	Peak	Horizontal
*	10001.5	35.6	14.3	49.9	108.2	-58.3	Peak	Horizontal
	11395.5	31.3	17.6	48.9	74.0	-25.1	Peak	Horizontal
*	14804.0	31.5	20.0	51.5	108.2	-56.7	Peak	Horizontal
	7324.0	32.1	11.2	43.3	74.0	-30.7	Peak	Vertical
*	7842.5	41.1	11.1	52.2	108.2	-56.0	Peak	Vertical
*	10324.5	33.5	15.6	49.1	108.2	-59.1	Peak	Vertical
	12050.0	31.3	17.3	48.6	74.0	-25.4	Peak	Vertical

Note 1: “*” is not in restricted band.

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	WZ-AC2	Test Engineer	Edith Yu
Test Date	2023-01-05	Test Mode	802.11ac-VHT40 – Channel 175
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
*	7137.0	31.7	11.4	43.1	108.2	-65.1	Peak	Horizontal
	8463.0	32.2	12.1	44.3	74.0	-29.7	Peak	Horizontal
*	10001.5	35.6	14.3	49.9	108.2	-58.3	Peak	Horizontal
	11098.0	32.0	16.8	48.8	74.0	-25.2	Peak	Horizontal
	7426.0	31.5	11.9	43.4	74.0	-30.6	Peak	Vertical
*	7842.5	40.6	11.1	51.7	108.2	-56.5	Peak	Vertical
*	9806.0	34.2	14.2	48.4	108.2	-59.8	Peak	Vertical
	11769.5	32.8	16.9	49.7	74.0	-24.3	Peak	Vertical

Note 1: “*” is not in restricted band.

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	WZ-AC2	Test Engineer	Edith Yu
Test Date	2023-01-05	Test Mode	802.11ac-VHT80 – Channel 171
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
*	7069.0	32.6	10.8	43.4	108.2	-64.8	Peak	Horizontal
	7715.0	32.9	11.3	44.2	74.0	-29.8	Peak	Horizontal
*	10001.5	34.7	14.3	49.0	108.2	-59.2	Peak	Horizontal
	11370.0	31.8	17.7	49.5	74.0	-24.5	Peak	Horizontal
	7545.0	31.3	11.5	42.8	74.0	-31.2	Peak	Vertical
*	7842.5	41.3	11.1	52.4	108.2	-55.8	Peak	Vertical
*	9857.0	31.9	14.3	46.2	108.2	-62.0	Peak	Vertical
	11769.5	32.9	16.9	49.8	74.0	-24.2	Peak	Vertical

Note 1: "*" is not in restricted band.

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	WZ-AC2	Test Engineer	Edith Yu
Test Date	2023-01-05	Test Mode	802.11ax-HE20 – Channel 169
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
	7417.5	31.5	11.9	43.4	74.0	-30.6	Peak	Horizontal
*	7953.0	31.7	11.9	43.6	108.2	-64.6	Peak	Horizontal
*	9806.0	34.9	14.2	49.1	108.2	-59.1	Peak	Horizontal
	11132.0	31.7	17.3	49.0	74.0	-25.0	Peak	Horizontal
	7366.5	32.0	11.6	43.6	74.0	-30.4	Peak	Vertical
*	7842.5	41.2	11.1	52.3	108.2	-55.9	Peak	Vertical
*	9806.0	34.2	14.2	48.4	108.2	-59.8	Peak	Vertical
	10834.5	31.1	17.5	48.6	74.0	-25.4	Peak	Vertical

Note 1: “*” is not in restricted band.

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	WZ-AC2	Test Engineer	Edith Yu
Test Date	2023-01-05	Test Mode	802.11ax-HE20 – Channel 173
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
	8386.5	32.6	11.7	44.3	74.0	-29.7	Peak	Horizontal
*	10001.5	34.5	14.3	48.8	108.2	-59.4	Peak	Horizontal
	11115.0	31.5	17.5	49.0	74.0	-25.0	Peak	Horizontal
*	14107.0	30.8	19.8	50.6	108.2	-57.6	Peak	Horizontal
	7383.5	31.1	11.5	42.6	74.0	-31.4	Peak	Vertical
*	9823.0	32.3	14.2	46.5	108.2	-61.7	Peak	Vertical
	11038.5	30.8	17.0	47.8	74.0	-26.2	Peak	Vertical
*	14158.0	30.4	19.3	49.7	108.2	-58.5	Peak	Vertical

Note 1: "*" is not in restricted band.

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	WZ-AC2	Test Engineer	Edith Yu
Test Date	2023-01-05	Test Mode	802.11ax-HE20 – Channel 177
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
	8199.5	31.6	11.4	43.0	74.0	-31.0	Peak	Horizontal
*	8735.0	32.4	13.2	45.6	108.2	-62.6	Peak	Horizontal
*	10001.5	35.1	14.3	49.4	108.2	-58.8	Peak	Horizontal
	11285.0	31.1	18.0	49.1	74.0	-24.9	Peak	Horizontal
*	7842.5	41.3	11.1	52.4	108.2	-55.8	Peak	Vertical
	8395.0	33.0	11.7	44.7	74.0	-29.3	Peak	Vertical
*	9806.0	33.2	14.2	47.4	108.2	-60.8	Peak	Vertical
	10758.0	32.3	16.6	48.9	74.0	-25.1	Peak	Vertical

Note 1: "*" is not in restricted band.

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	WZ-AC2	Test Engineer	Edith Yu
Test Date	2023-01-05	Test Mode	802.11ax-HE40 – Channel 167
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
*	7842.5	41.3	11.1	52.4	108.2	-55.8	Peak	Horizontal
	8395.0	33.0	11.7	44.7	74.0	-29.3	Peak	Horizontal
*	9806.0	33.2	14.2	47.4	108.2	-60.8	Peak	Horizontal
	10758.0	32.3	16.6	48.9	74.0	-25.1	Peak	Horizontal
	7536.5	31.9	11.4	43.3	74.0	-30.7	Peak	Vertical
*	7842.5	41.1	11.1	52.2	108.2	-56.0	Peak	Vertical
*	9806.0	34.7	14.2	48.9	108.2	-59.3	Peak	Vertical
	11769.5	32.8	16.9	49.7	74.0	-24.3	Peak	Vertical

Note 1: "*" is not in restricted band.

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	WZ-AC2	Test Engineer	Edith Yu
Test Date	2023-01-05	Test Mode	802.11ax-HE40 – Channel 175
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
	7341.0	32.3	11.4	43.7	74.0	-30.3	Peak	Horizontal
	8233.5	33.0	11.6	44.6	74.0	-29.4	Peak	Horizontal
*	10001.5	34.9	14.3	49.2	108.2	-59.0	Peak	Horizontal
*	14183.5	30.6	20.2	50.8	108.2	-57.4	Peak	Horizontal
	7409.0	32.0	11.7	43.7	74.0	-30.3	Peak	Vertical
*	7842.5	41.7	11.1	52.8	108.2	-55.4	Peak	Vertical
*	9789.0	33.0	14.2	47.2	108.2	-61.0	Peak	Vertical
	11769.5	33.5	16.9	50.4	74.0	-23.6	Peak	Vertical

Note 1: "*" is not in restricted band.

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	WZ-AC2	Test Engineer	Edith Yu
Test Date	2023-01-05	Test Mode	802.11ax-HE80 – Channel 171
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
	7451.5	31.2	11.4	42.6	74.0	-31.4	Peak	Horizontal
*	8658.5	32.1	12.7	44.8	108.2	-63.4	Peak	Horizontal
*	10001.5	36.2	14.3	50.5	108.2	-57.7	Peak	Horizontal
	11038.5	32.5	17.0	49.5	74.0	-24.5	Peak	Horizontal
*	7808.5	42.2	11.1	53.3	108.2	-54.9	Peak	Vertical
	8114.5	32.1	11.8	43.9	74.0	-30.1	Peak	Vertical
*	10409.5	31.9	16.0	47.9	108.2	-60.3	Peak	Vertical
	11285.0	30.6	18.0	48.6	74.0	-25.4	Peak	Vertical

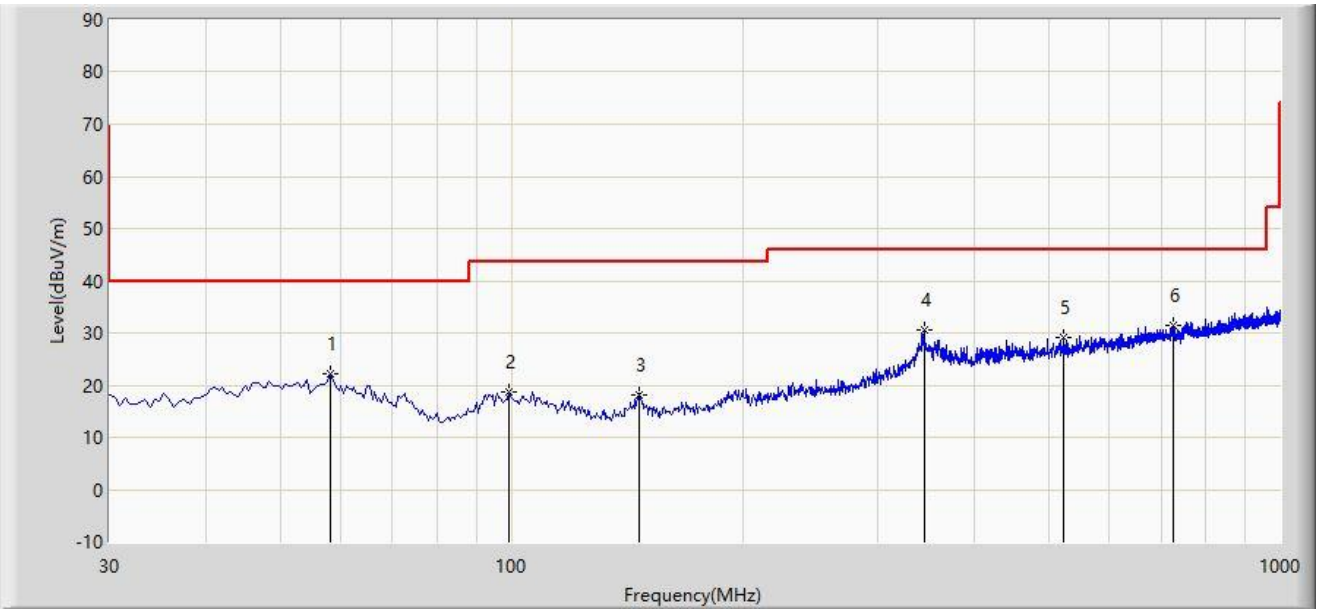
Note 1: “*” is not in restricted band.

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: WZ-AC2	Test Date: 2023-01-05
Limit: FCC_Part15.209_RSE(3m)	Engineer: Edith Yu
Probe: VULB9162_30-7000MHz	Polarity: Horizontal
EUT: hAP ax^2	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE80 at 5855MHz	



No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		58.130	22.120	2.232	-17.880	40.000	19.888	PK
2		99.355	18.597	0.151	-24.903	43.500	18.446	PK
3		146.400	18.248	3.039	-25.252	43.500	15.209	PK
4		344.765	30.716	8.223	-15.284	46.000	22.493	PK
5		522.275	29.153	4.042	-16.847	46.000	25.110	PK
6	*	726.460	31.594	2.741	-14.406	46.000	28.853	PK

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

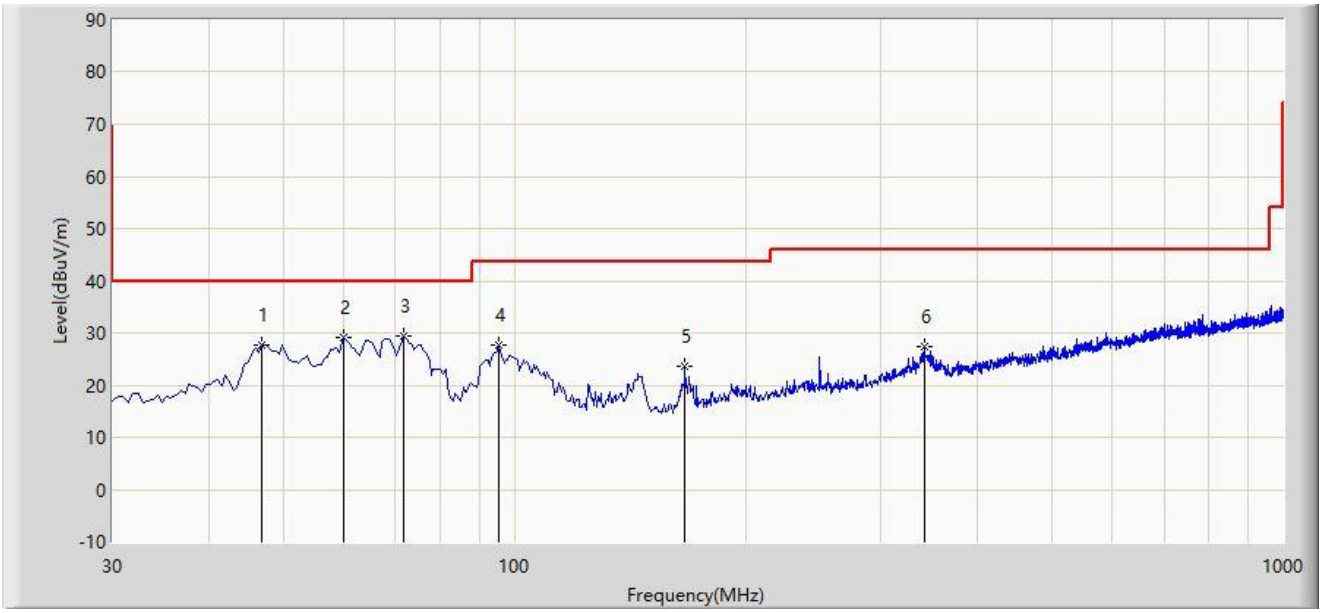
Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

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

Note 4: Quasi-Peak measurement was not performed when peak measure level was lower than the quasi-peak limit.

Note 5: 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: WZ-AC2	Test Date: 2023-01-05
Limit: FCC_Part15.209_RSE(3m)	Engineer: Edith Yu
Probe: VULB9162_30-7000MHz	Polarity: Vertical
EUT: hAP ax^2	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE80 at 5855MHz	



No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		46.975	27.824	7.608	-12.176	40.000	20.217	PK
2		60.070	29.190	9.626	-10.810	40.000	19.564	PK
3	*	71.710	29.438	13.199	-10.562	40.000	16.239	PK
4		95.475	27.539	9.653	-15.961	43.500	17.886	PK
5		166.770	23.481	7.568	-20.019	43.500	15.913	PK
6		341.855	27.435	5.120	-18.565	46.000	22.315	PK

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

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

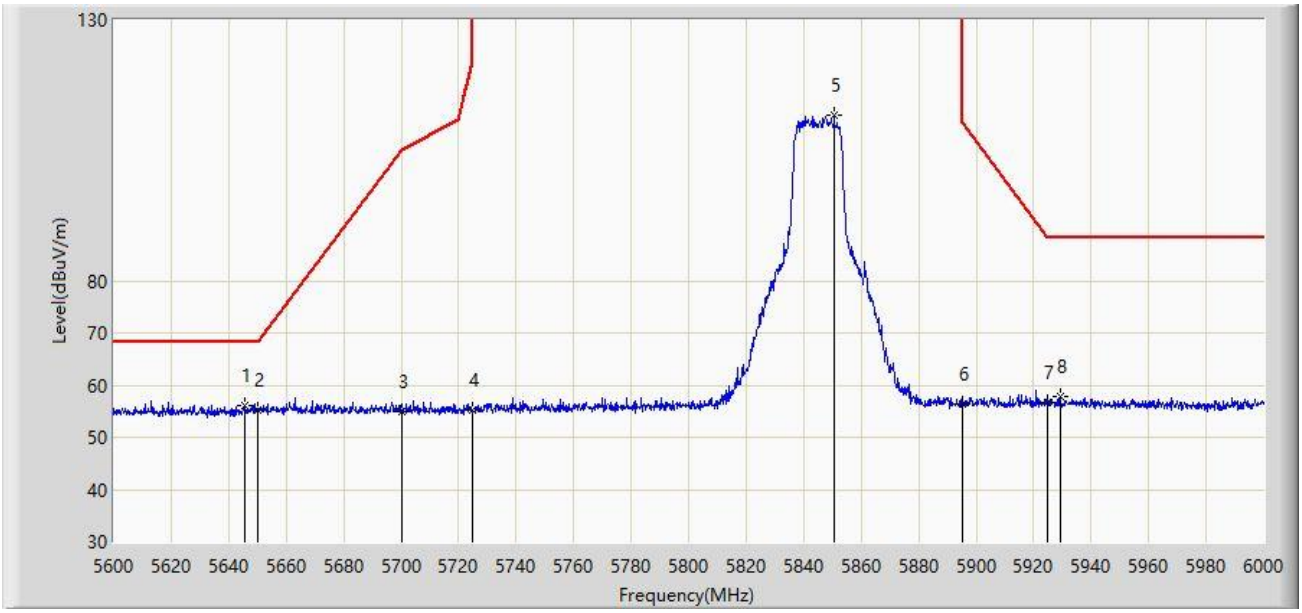
Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Note 4: Quasi-Peak measurement was not performed when peak measure level was lower than the quasi-peak limit.

Note 5: 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.

A.8 Radiated Restricted Band Edge Test Result

Site: WZ-AC1	Test Date: 2023-01-05
Limit: FCC_5.9G_RE(3m)	Engineer: Ajin Fan
Probe: BBHA9120D_1167_1-18GHz	Polarity: Horizontal
EUT: hAP ax^2	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5845MHz	



No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1	*	5645.600	56.132	52.320	-12.068	68.200	3.812	PK
2		5650.000	55.353	51.439	-12.847	68.200	3.914	PK
3		5700.000	54.884	50.969	-50.316	105.200	3.916	PK
4		5725.000	55.223	51.280	-66.977	122.200	3.943	PK
5		5850.600	111.724	107.282	N/A	N/A	4.443	PK
6		5895.000	56.519	52.031	-53.681	110.200	4.488	PK
7		5925.000	56.787	52.156	-31.413	88.200	4.630	PK
8		5929.200	57.794	53.159	-30.406	88.200	4.635	PK

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

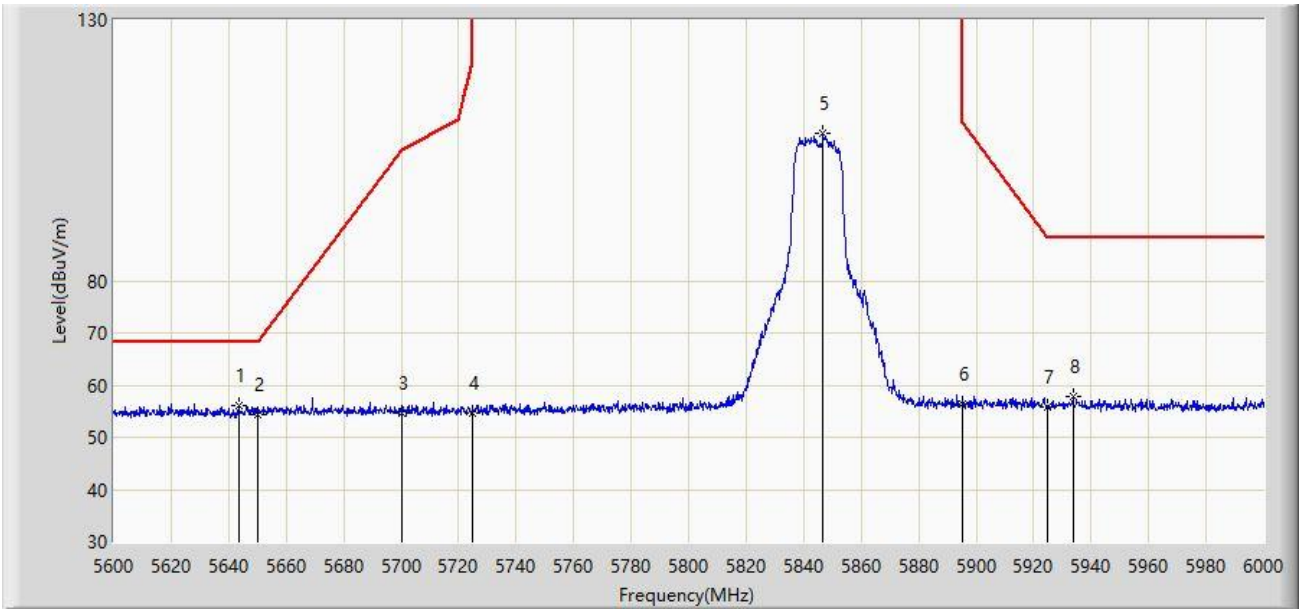
Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB/m).

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

Note 4: All measurements were performed by peak detector (PK).

Note 5: For emission above 5.895 GHz, average measurements were not performed because the peak measurement levels were below the average limit.

Site: WZ-AC1	Test Date: 2023-01-05
Limit: FCC_5.9G_RE(3m)	Engineer: Ajin Fan
Probe: BBHA9120D_1167_1-18GHz	Polarity: Horizontal
EUT: hAP ax^2	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5845MHz	



No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1	*	5643.400	55.963	52.201	-12.237	68.200	3.762	PK
2		5650.000	54.293	50.379	-13.907	68.200	3.914	PK
3		5700.000	54.675	50.760	-50.525	105.200	3.916	PK
4		5725.000	54.708	50.765	-67.492	122.200	3.943	PK
5		5846.800	108.328	103.875	N/A	N/A	4.453	PK
6		5895.000	56.289	51.801	-53.911	110.200	4.488	PK
7		5925.000	55.859	51.228	-32.341	88.200	4.630	PK
8		5933.600	57.928	53.325	-30.272	88.200	4.603	PK

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

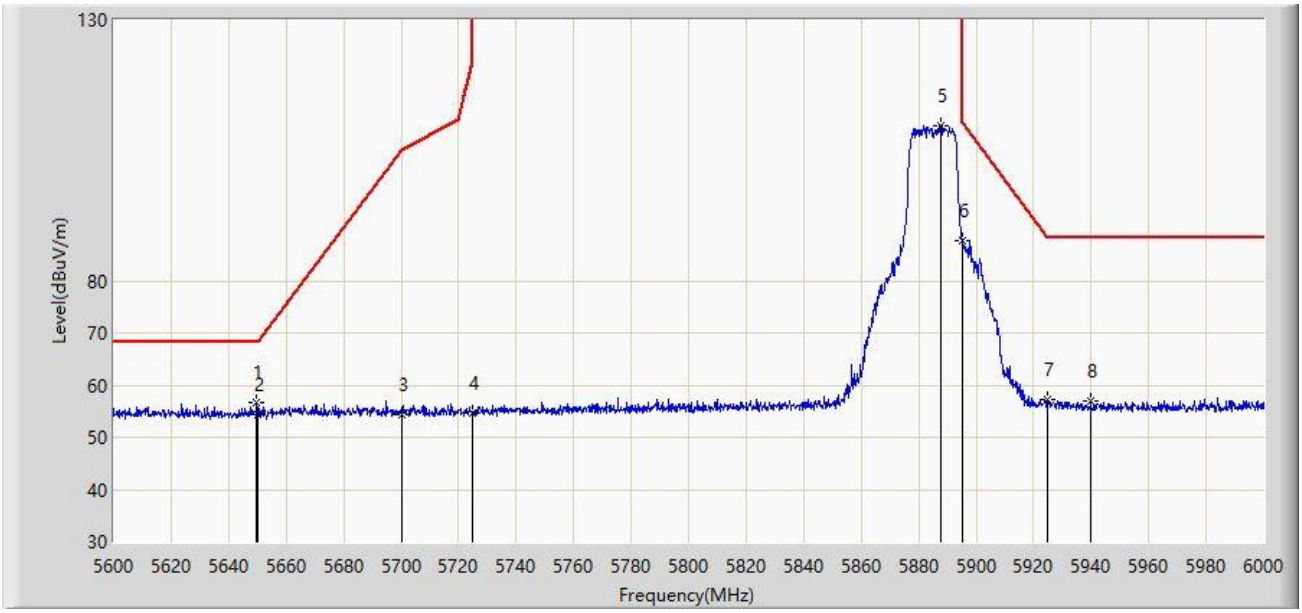
Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB/m).

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

Note 4: All measurements were performed by peak detector (PK).

Note 5: For emission above 5.895 GHz, average measurements were not performed because the peak measurement levels were below the average limit.

Site: WZ-AC1	Test Date: 2023-01-05
Limit: FCC_5.9G_RE(3m)	Engineer: Ajin Fan
Probe: BBHA9120D_1167_1-18GHz	Polarity: Horizontal
EUT: hAP ax^2	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5885MHz	



No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1	*	5649.800	56.802	52.893	-11.398	68.200	3.909	PK
2		5650.000	54.363	50.449	-13.837	68.200	3.914	PK
3		5700.000	54.299	50.384	-50.901	105.200	3.916	PK
4		5725.000	54.782	50.839	-67.418	122.200	3.943	PK
5		5887.600	109.835	105.411	N/A	N/A	4.424	PK
6		5895.000	87.763	83.275	-22.437	110.200	4.488	PK
7		5925.000	57.164	52.533	-31.036	88.200	4.630	PK
8		5939.800	57.015	52.467	-31.185	88.200	4.548	PK

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

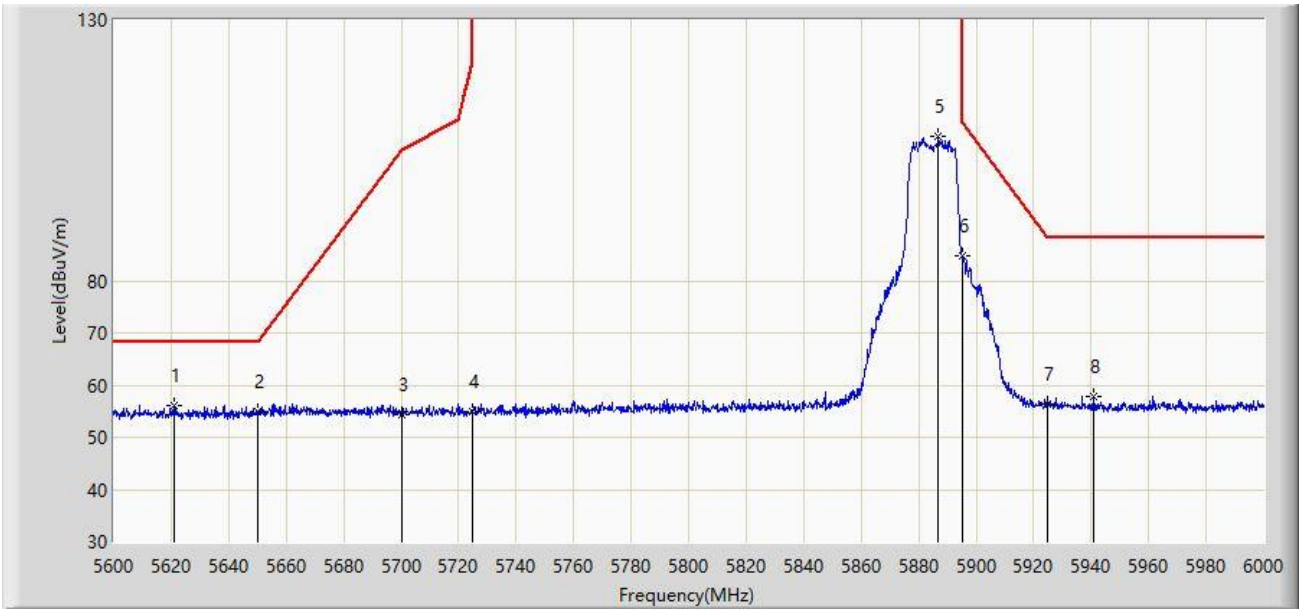
Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB/m).

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

Note 4: All measurements were performed by peak detector (PK).

Note 5: For emission above 5.895 GHz, average measurements were not performed because the peak measurement levels were below the average limit.

Site: WZ-AC1	Test Date: 2023-01-05
Limit: FCC_5.9G_RE(3m)	Engineer: Ajin Fan
Probe: BBHA9120D_1167_1-18GHz	Polarity: Vertical
EUT: hAP ax^2	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5885MHz	



No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1	*	5621.000	56.068	52.351	-12.132	68.200	3.718	PK
2		5650.000	54.895	50.981	-13.305	68.200	3.914	PK
3		5700.000	54.330	50.415	-50.870	105.200	3.916	PK
4		5725.000	54.940	50.997	-67.260	122.200	3.943	PK
5		5886.800	107.769	103.353	N/A	N/A	4.417	PK
6		5895.000	84.669	80.181	-25.531	110.200	4.488	PK
7		5925.000	56.333	51.702	-31.867	88.200	4.630	PK
8		5941.000	57.916	53.379	-30.284	88.200	4.537	PK

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

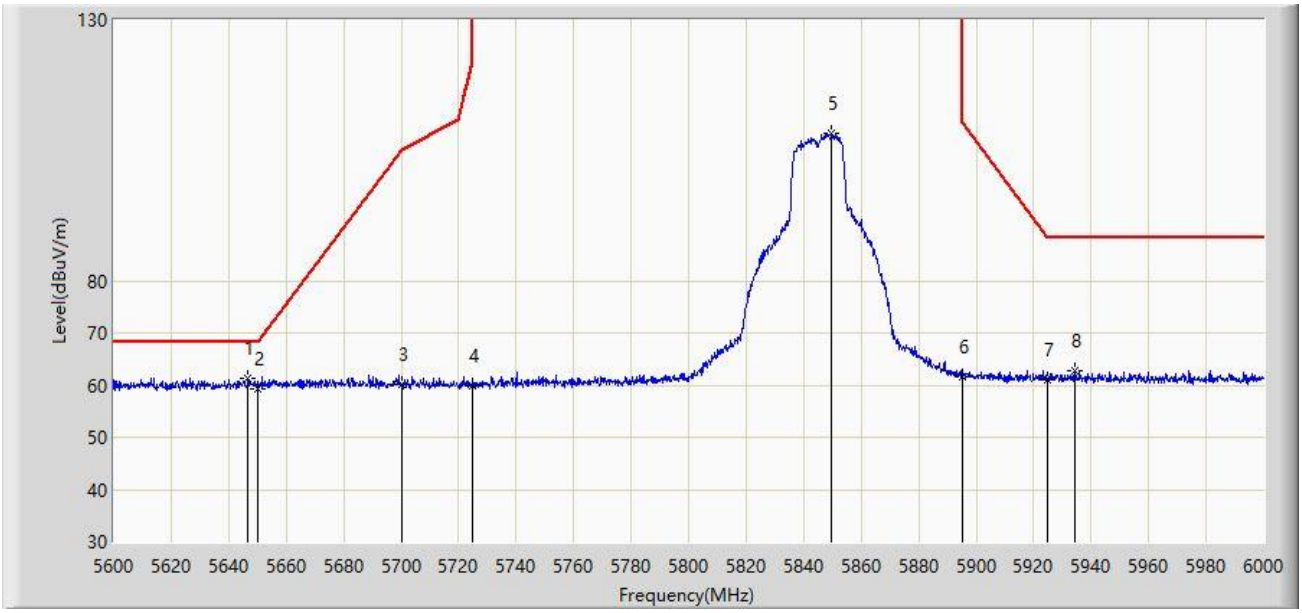
Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB/m).

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

Note 4: All measurements were performed by peak detector (PK).

Note 5: For emission above 5.895 GHz, average measurements were not performed because the peak measurement levels were below the average limit.

Site: WZ-AC1	Test Date: 2023-01-05
Limit: FCC_5.9G_RE(3m)	Engineer: Ajin Fan
Probe: BBHA9120D_1167_1-18GHz	Polarity: Horizontal
EUT: hAP ax^2	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at 5845MHz	



No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	5646.800	61.226	57.386	-6.974	68.200	3.839	PK
2		5650.000	59.371	55.457	-8.829	68.200	3.914	PK
3		5700.000	60.080	56.165	-45.120	105.200	3.916	PK
4		5725.000	59.749	55.806	-62.451	122.200	3.943	PK
5		5849.800	108.263	103.818	N/A	N/A	4.445	PK
6		5895.000	61.622	57.134	-48.578	110.200	4.488	PK
7		5925.000	61.043	56.412	-27.157	88.200	4.630	PK
8		5934.400	62.816	58.220	-25.384	88.200	4.596	PK

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

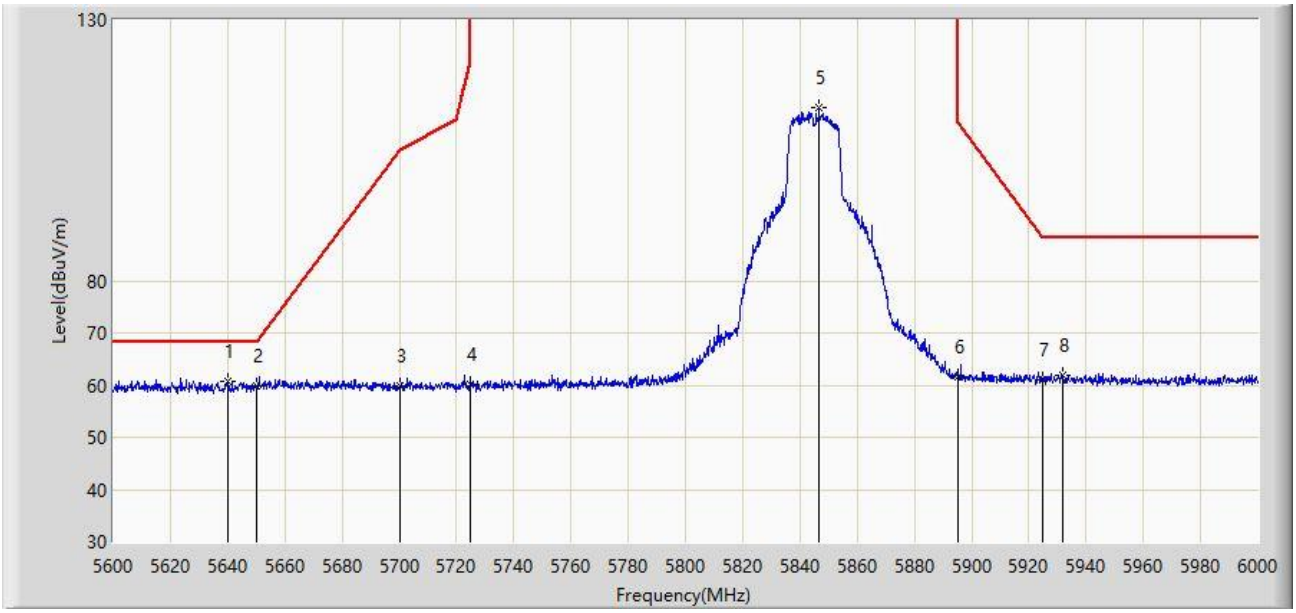
Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

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

Note 4: All measurements were performed by peak detector (PK).

Note 5: For emission above 5.895 GHz, average measurements were not performed because the peak measurement levels were below the average limit.

Site: WZ-AC1	Test Date: 2023-01-05
Limit: FCC_5.9G_RE(3m)	Engineer: Ajin Fan
Probe: BBHA9120D_1167_1-18GHz	Polarity: Vertical
EUT: hAP ax^2	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at 5845MHz	



No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1	*	5640.200	60.716	57.020	-7.484	68.200	3.696	PK
2		5650.000	59.885	55.971	-8.315	68.200	3.914	PK
3		5700.000	59.980	56.065	-45.220	105.200	3.916	PK
4		5725.000	60.068	56.125	-62.132	122.200	3.943	PK
5		5846.600	113.094	108.640	N/A	N/A	4.454	PK
6		5895.000	61.525	57.037	-48.675	110.200	4.488	PK
7		5925.000	61.158	56.527	-27.042	88.200	4.630	PK
8		5931.600	61.995	57.374	-26.205	88.200	4.622	PK

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

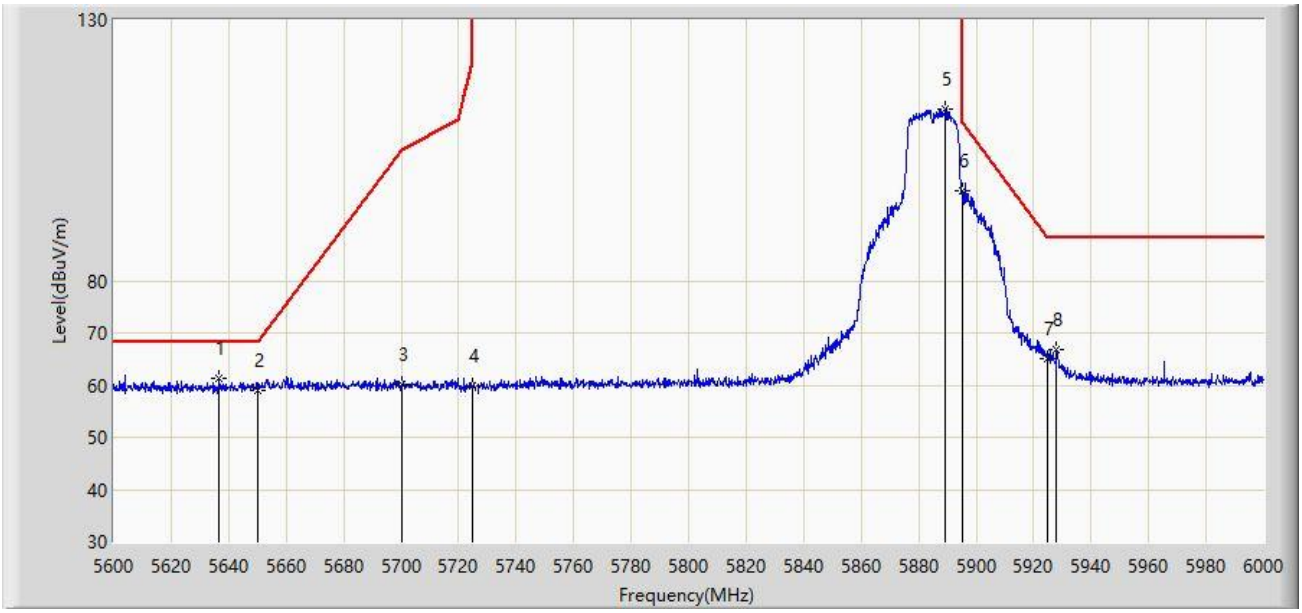
Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB/m).

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

Note 4: All measurements were performed by peak detector (PK).

Note 5: For emission above 5.895 GHz, average measurements were not performed because the peak measurement levels were below the average limit.

Site: WZ-AC1	Test Date: 2023-01-05
Limit: FCC_5.9G_RE(3m)	Engineer: Ajin Fan
Probe: BBHA9120D_1167_1-18GHz	Polarity: Horizontal
EUT: hAP ax^2	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at 5885MHz	



No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1	*	5636.800	61.354	57.702	-6.846	68.200	3.652	PK
2		5650.000	58.953	55.039	-9.247	68.200	3.914	PK
3		5700.000	60.192	56.277	-45.008	105.200	3.916	PK
4		5725.000	59.879	55.936	-62.321	122.200	3.943	PK
5		5889.400	112.924	108.484	N/A	N/A	4.440	PK
6		5895.000	97.238	92.750	-12.962	110.200	4.488	PK
7		5925.000	64.942	60.311	-23.258	88.200	4.630	PK
8		5928.000	66.768	62.134	-21.432	88.200	4.633	PK

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

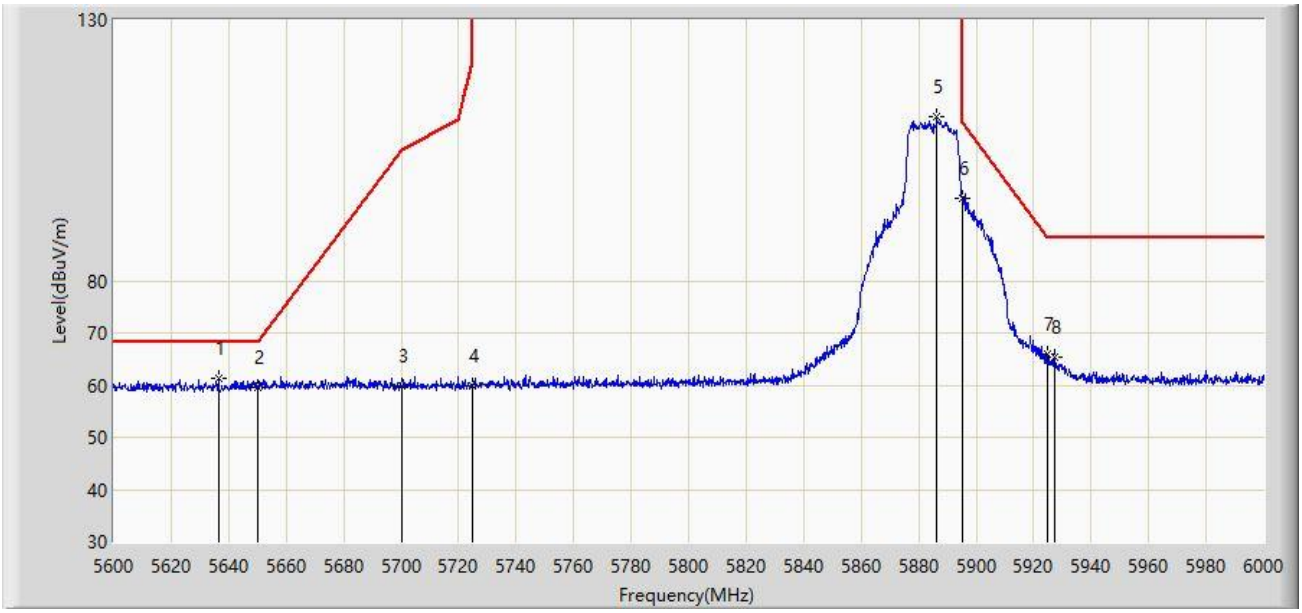
Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB/m).

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

Note 4: All measurements were performed by peak detector (PK).

Note 5: For emission above 5.895 GHz, average measurements were not performed because the peak measurement levels were below the average limit.

Site: WZ-AC1	Test Date: 2023-01-05
Limit: FCC_5.9G_RE(3m)	Engineer: Ajin Fan
Probe: BBHA9120D_1167_1-18GHz	Polarity: Vertical
EUT: hAP ax^2	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at 5885MHz	



No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1	*	5636.400	61.241	57.590	-6.959	68.200	3.651	PK
2		5650.000	59.444	55.530	-8.756	68.200	3.914	PK
3		5700.000	59.952	56.037	-45.248	105.200	3.916	PK
4		5725.000	59.971	56.028	-62.229	122.200	3.943	PK
5		5886.200	111.467	107.057	N/A	N/A	4.411	PK
6		5895.000	95.821	91.333	-14.379	110.200	4.488	PK
7		5925.000	65.885	61.254	-22.315	88.200	4.630	PK
8		5927.400	65.415	60.782	-22.785	88.200	4.633	PK

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

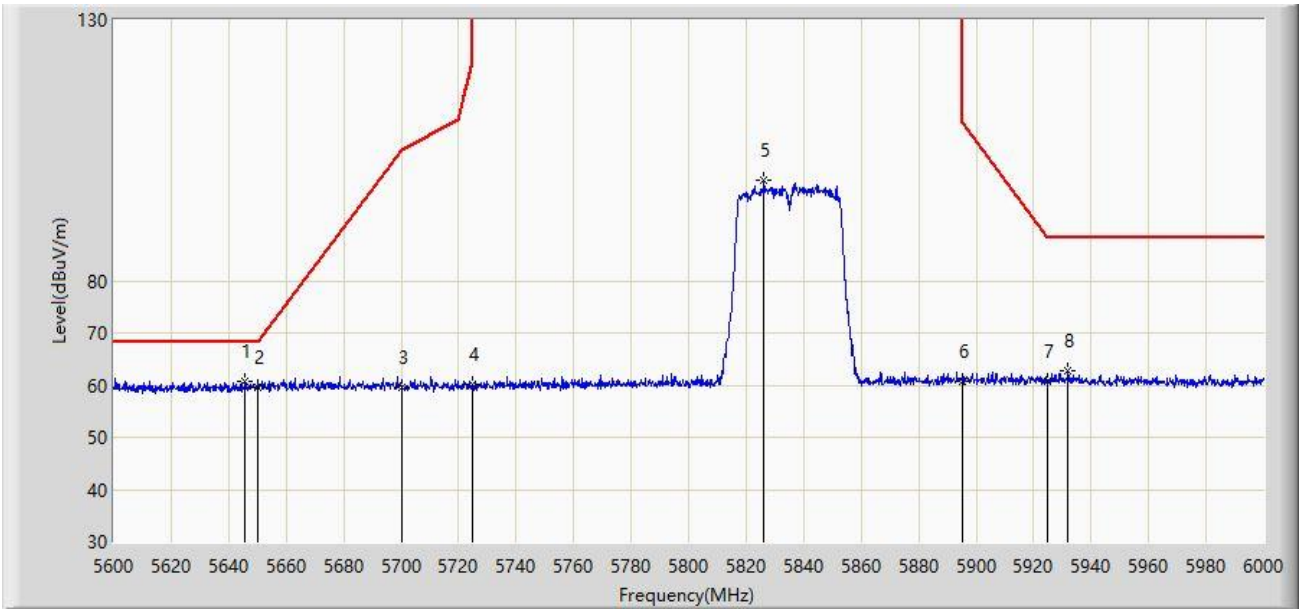
Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB/m).

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

Note 4: All measurements were performed by peak detector (PK).

Note 5: For emission above 5.895 GHz, average measurements were not performed because the peak measurement levels were below the average limit.

Site: WZ-AC1	Test Date: 2023-01-05
Limit: FCC_5.9G_RE(3m)	Engineer: Ajin Fan
Probe: BBHA9120D_1167_1-18GHz	Polarity: Horizontal
EUT: hAP ax^2	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at 5835MHz	



No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	5645.800	60.691	56.874	-7.509	68.200	3.817	PK
2		5650.000	59.641	55.727	-8.559	68.200	3.914	PK
3		5700.000	59.630	55.715	-45.570	105.200	3.916	PK
4		5725.000	60.243	56.300	-61.957	122.200	3.943	PK
5		5826.200	99.328	94.911	N/A	N/A	4.417	PK
6		5895.000	60.681	56.193	-49.519	110.200	4.488	PK
7		5925.000	60.866	56.235	-27.334	88.200	4.630	PK
8		5932.000	62.689	58.071	-25.511	88.200	4.618	PK

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

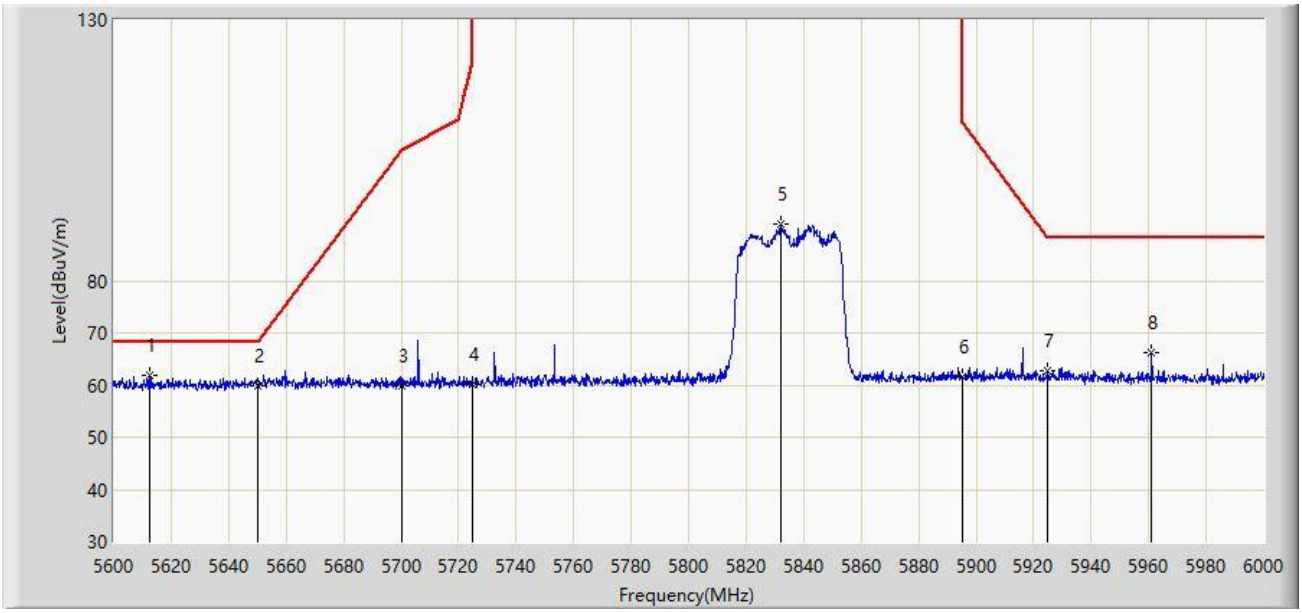
Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

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

Note 4: All measurements were performed by peak detector (PK).

Note 5: For emission above 5.895 GHz, average measurements were not performed because the peak measurement levels were below the average limit.

Site: WZ-AC1	Test Date: 2023-01-05
Limit: FCC_5.9G_RE(3m)	Engineer: Ajin Fan
Probe: BBHA9120D_1167_1-18GHz	Polarity: Vertical
EUT: hAP ax^2	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at 5835MHz	



No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	5612.600	62.019	58.240	-6.181	68.200	3.779	PK
2		5650.000	59.823	55.909	-8.377	68.200	3.914	PK
3		5700.000	59.745	55.830	-45.455	105.200	3.916	PK
4		5725.000	60.054	56.111	-62.146	122.200	3.943	PK
5		5832.200	90.988	86.580	N/A	N/A	4.409	PK
6		5895.000	61.728	57.240	-48.472	110.200	4.488	PK
7		5925.000	62.855	58.224	-25.345	88.200	4.630	PK
8		5961.000	66.192	61.728	-22.008	88.200	4.463	PK

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

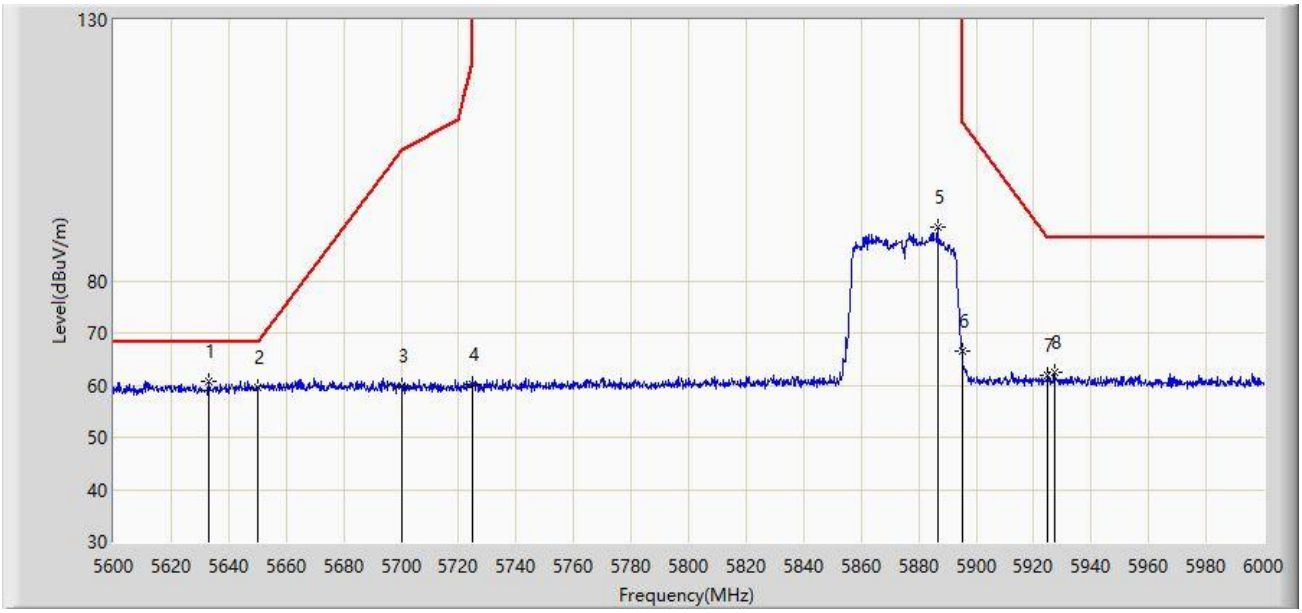
Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

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

Note 4: All measurements were performed by peak detector (PK).

Note 5: For emission above 5.895 GHz, average measurements were not performed because the peak measurement levels were below the average limit.

Site: WZ-AC1	Test Date: 2023-01-05
Limit: FCC_5.9G_RE(3m)	Engineer: Ajin Fan
Probe: BBHA9120D_1167_1-18GHz	Polarity: Horizontal
EUT: hAP ax^2	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at 5875MHz	



No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1	*	5633.200	60.747	57.087	-7.453	68.200	3.660	PK
2		5650.000	59.672	55.758	-8.528	68.200	3.914	PK
3		5700.000	59.747	55.832	-45.453	105.200	3.916	PK
4		5725.000	60.121	56.178	-62.079	122.200	3.943	PK
5		5886.600	90.431	86.017	N/A	N/A	4.414	PK
6		5895.000	66.567	62.079	-43.633	110.200	4.488	PK
7		5925.000	61.780	57.149	-26.420	88.200	4.630	PK
8		5927.200	62.540	57.907	-25.660	88.200	4.633	PK

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

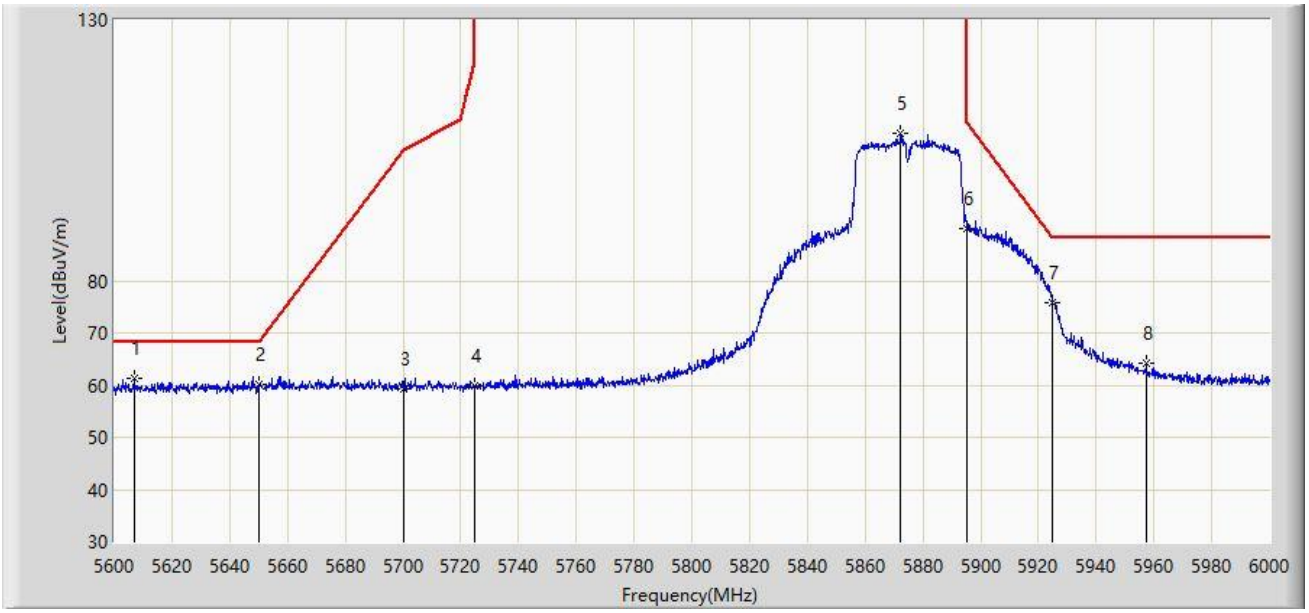
Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB/m).

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

Note 4: All measurements were performed by peak detector (PK).

Note 5: For emission above 5.895 GHz, average measurements were not performed because the peak measurement levels were below the average limit.

Site: WZ-AC1	Test Date: 2023-01-05
Limit: FCC_5.9G_RE(3m)	Engineer: Ajin Fan
Probe: BBHA9120D_1167_1-18GHz	Polarity: Vertical
EUT: hAP ax^2	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at 5875MHz	



No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1	*	5606.800	61.310	57.494	-6.890	68.200	3.816	PK
2		5650.000	60.088	56.174	-8.112	68.200	3.914	PK
3		5700.000	59.262	55.347	-45.938	105.200	3.916	PK
4		5725.000	59.920	55.977	-62.280	122.200	3.943	PK
5		5872.200	108.151	103.858	N/A	N/A	4.294	PK
6		5895.000	90.129	85.641	-20.071	110.200	4.488	PK
7		5925.000	75.898	71.267	-12.302	88.200	4.630	PK
8		5957.400	64.222	59.743	-23.978	88.200	4.479	PK

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

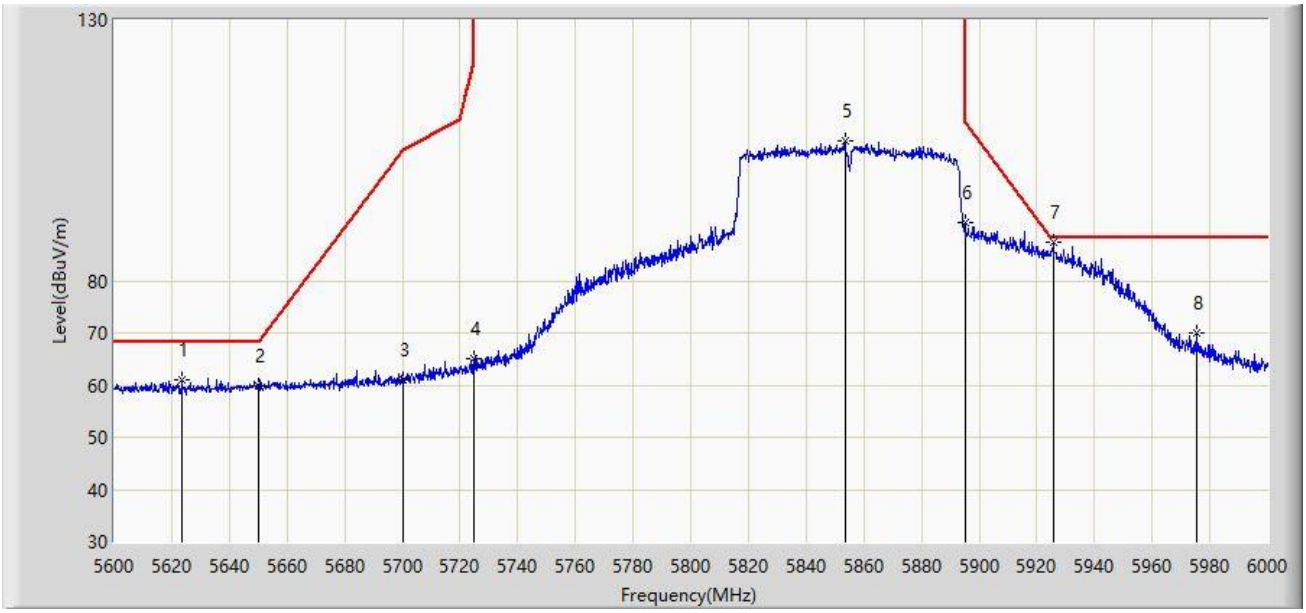
Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB/m).

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

Note 4: All measurements were performed by peak detector (PK).

Note 5: For emission above 5.895 GHz, average measurements were not performed because the peak measurement levels were below the average limit.

Site: WZ-AC1	Test Date: 2023-01-05
Limit: FCC_5.9G_RE(3m)	Engineer: Ajin Fan
Probe: BBHA9120D_1167_1-18GHz	Polarity: Horizontal
EUT: hAP ax^2	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at 5855MHz	



No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1		5623.600	61.077	57.386	-7.123	68.200	3.691	PK
2		5650.000	59.890	55.976	-8.310	68.200	3.914	PK
3		5700.000	61.070	57.155	-44.130	105.200	3.916	PK
4		5725.000	65.155	61.212	-57.045	122.200	3.943	PK
5		5853.400	106.765	102.343	N/A	N/A	4.423	PK
6		5895.000	91.050	86.562	-19.150	110.200	4.488	PK
7	*	5925.800	87.433	82.802	-0.767	88.200	4.631	PK
8		5975.400	69.937	65.468	-18.263	88.200	4.469	PK

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

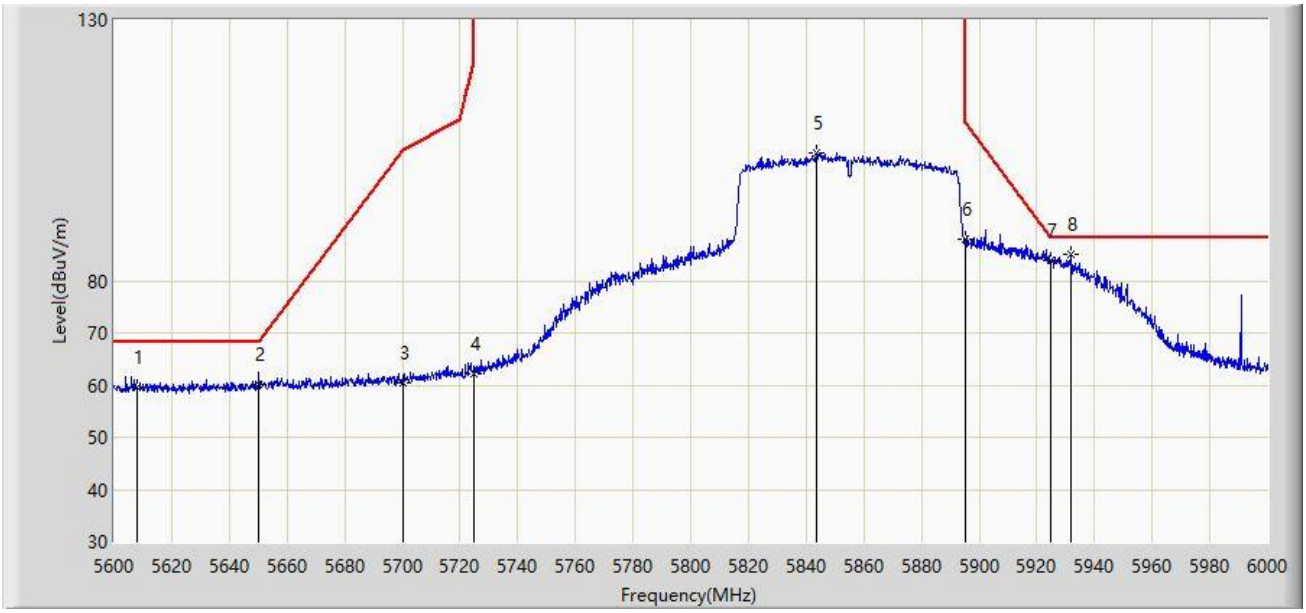
Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB/m).

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

Note 4: All measurements were performed by peak detector (PK).

Note 5: For emission above 5.895 GHz, average measurements were not performed because the peak measurement levels were below the average limit.

Site: WZ-AC1	Test Date: 2023-01-05
Limit: FCC_5.9G_RE(3m)	Engineer: Ajin Fan
Probe: BBHA9120D_1167_1-18GHz	Polarity: Vertical
EUT: hAP ax^2	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at 5855MHz	



No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1		5607.800	59.424	55.615	-8.776	68.200	3.808	PK
2		5650.000	60.193	56.279	-8.007	68.200	3.914	PK
3		5700.000	60.319	56.404	-44.881	105.200	3.916	PK
4		5725.000	62.079	58.136	-60.121	122.200	3.943	PK
5		5843.400	104.608	100.159	N/A	N/A	4.449	PK
6		5895.000	88.097	83.609	-22.103	110.200	4.488	PK
7		5925.000	83.787	79.156	-4.413	88.200	4.630	PK
8	*	5932.000	85.047	80.429	-3.153	88.200	4.618	PK

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

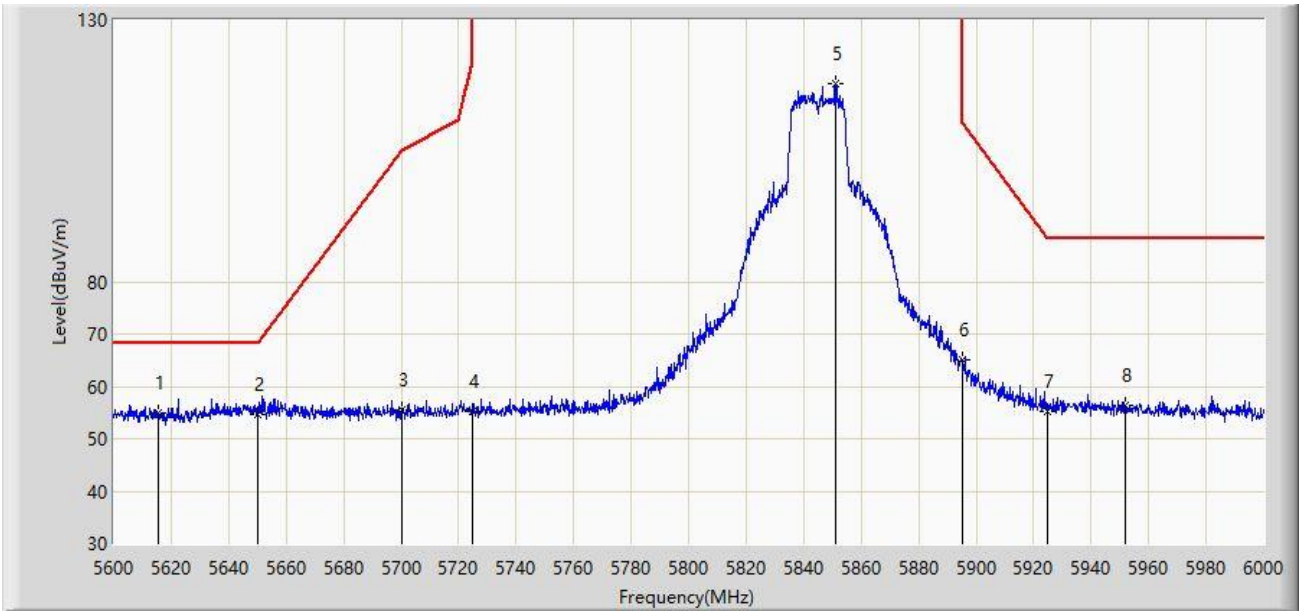
Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB/m).

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

Note 4: All measurements were performed by peak detector (PK).

Note 5: For emission above 5.895 GHz, average measurements were not performed because the peak measurement levels were below the average limit.

Site: WZ-AC2	Test Date: 2023-01-05
Limit: FCC_5.9G_RE(3m)	Engineer: Dick Shen
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: hAP ax^2	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE20 at Channel 5845MHz	



No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	5615.600	54.946	50.410	-13.254	68.200	4.536	PK
2		5650.000	54.724	49.592	-13.476	68.200	5.132	PK
3		5700.000	55.597	50.469	-49.603	105.200	5.129	PK
4		5725.000	55.106	49.630	-67.094	122.200	5.476	PK
5		5851.200	117.816	112.086	N/A	N/A	5.730	PK
6		5895.000	65.030	59.083	-45.170	110.200	5.947	PK
7		5925.000	55.133	49.116	-33.067	88.200	6.016	PK
8		5952.000	56.302	50.381	-31.898	88.200	5.921	PK

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

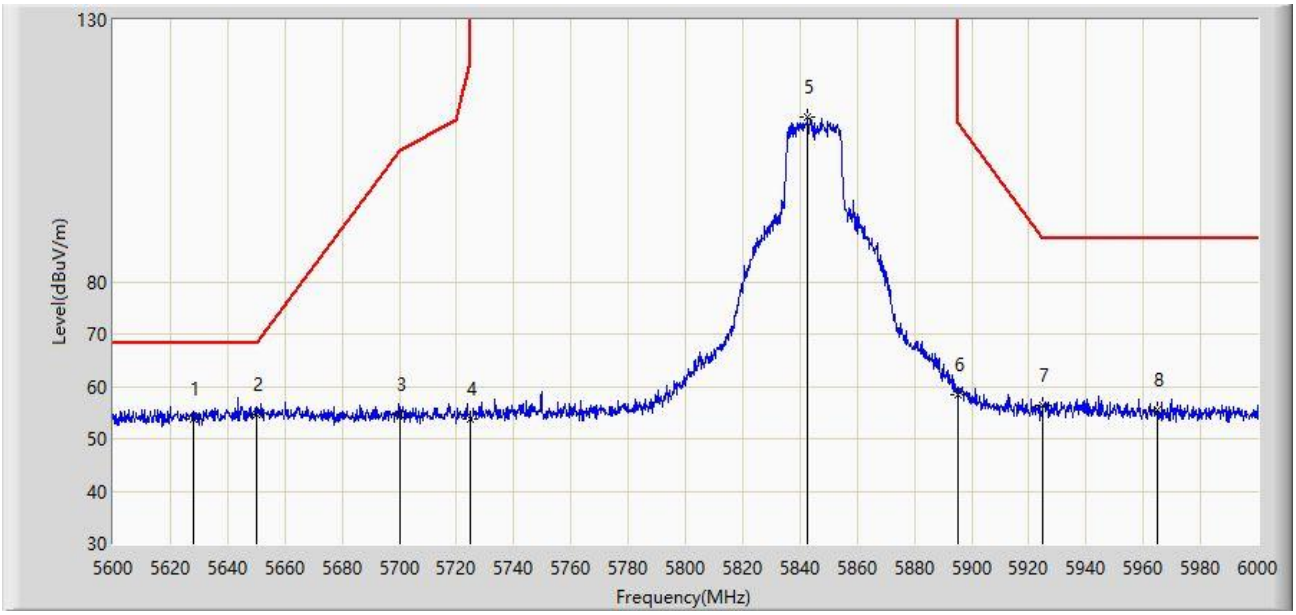
Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

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

Note 4: All measurements were performed by peak detector (PK).

Note 5: For emission above 5.895 GHz, average measurements were not performed because the peak measurement levels were below the average limit.

Site: WZ-AC2	Test Date: 2023-01-05
Limit: FCC_5.9G_RE(3m)	Engineer: Dick Shen
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: hAP ax^2	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE20 at Channel 5845MHz	



No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1		5628.000	53.788	49.055	-14.412	68.200	4.733	PK
2	*	5650.000	54.674	49.542	-13.526	68.200	5.132	PK
3		5700.000	54.557	49.429	-50.643	105.200	5.129	PK
4		5725.000	53.884	48.408	-68.316	122.200	5.476	PK
5		5842.600	111.456	105.838	N/A	N/A	5.617	PK
6		5895.000	58.409	52.462	-51.791	110.200	5.947	PK
7		5925.000	56.288	50.271	-31.912	88.200	6.016	PK
8		5965.000	55.464	49.521	-32.736	88.200	5.944	PK

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

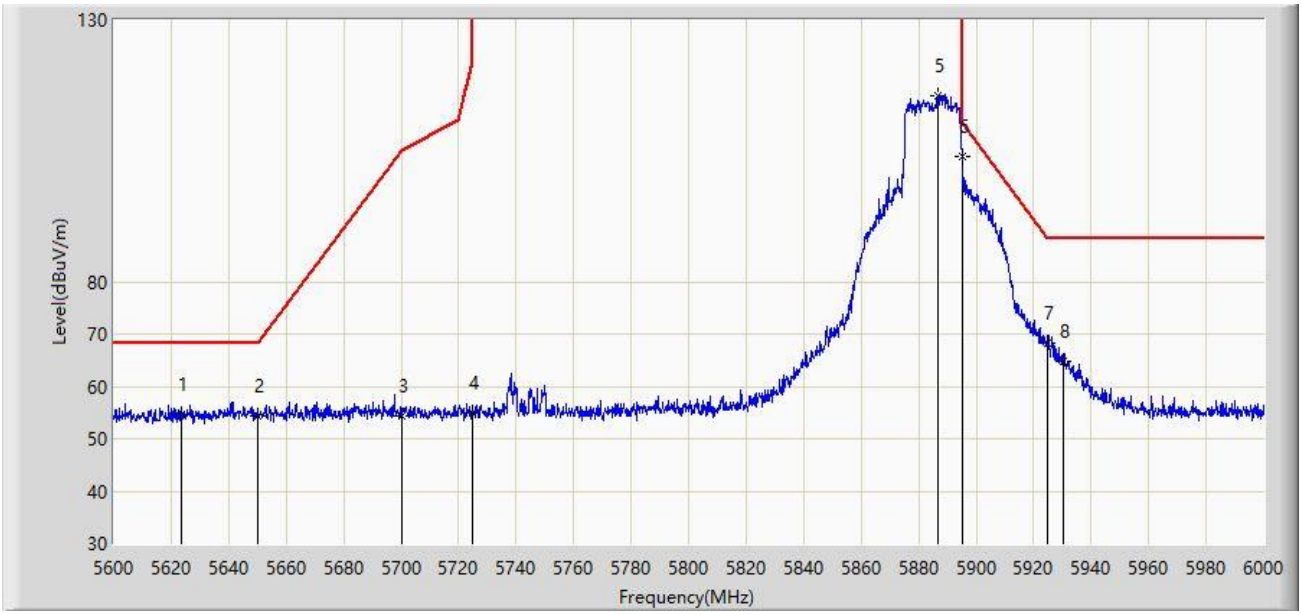
Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB/m).

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

Note 4: All measurements were performed by peak detector (PK).

Note 5: For emission above 5.895 GHz, average measurements were not performed because the peak measurement levels were below the average limit.

Site: WZ-AC2	Test Date: 2023-01-05
Limit: FCC_5.9G_RE(3m)	Engineer: Dick Shen
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: hAP ax^2	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE20 at Channel 5865MHz	



No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1		5623.400	54.525	49.895	-13.675	68.200	4.630	PK
2		5650.000	54.381	49.249	-13.819	68.200	5.132	PK
3		5700.000	54.297	49.169	-50.903	105.200	5.129	PK
4		5725.000	55.019	49.543	-67.181	122.200	5.476	PK
5		5886.600	115.572	109.618	N/A	N/A	5.953	PK
6	*	5895.000	103.966	98.019	-6.234	110.200	5.947	PK
7		5925.000	68.147	62.130	-20.053	88.200	6.016	PK
8		5930.400	64.926	58.812	-23.274	88.200	6.114	PK

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

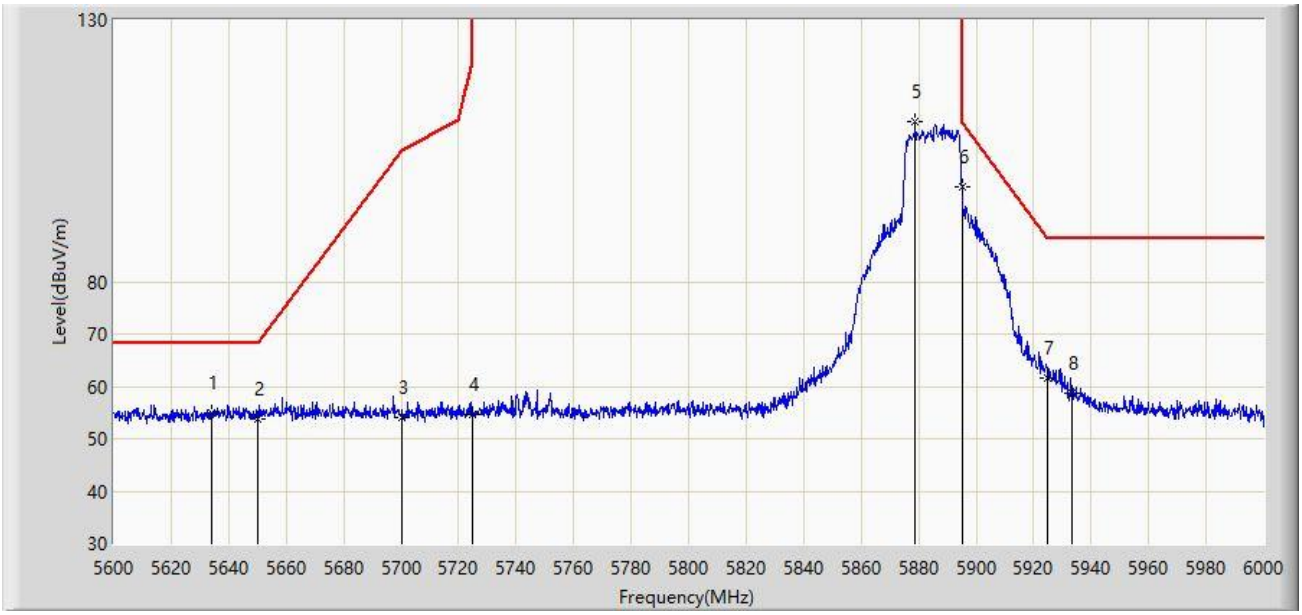
Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB/m).

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

Note 4: All measurements were performed by peak detector (PK).

Note 5: For emission above 5.895 GHz, average measurements were not performed because the peak measurement levels were below the average limit.

Site: WZ-AC2	Test Date: 2023-01-05
Limit: FCC_5.9G_RE(3m)	Engineer: Dick Shen
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: hAP ax^2	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE20 at Channel 5865MHz	



No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1		5634.000	54.961	50.085	-13.239	68.200	4.876	PK
2		5650.000	53.876	48.744	-14.324	68.200	5.132	PK
3		5700.000	54.107	48.979	-51.093	105.200	5.129	PK
4		5725.000	54.707	49.231	-67.493	122.200	5.476	PK
5		5878.800	110.600	104.674	N/A	N/A	5.926	PK
6	*	5895.000	98.055	92.108	-12.145	110.200	5.947	PK
7		5925.000	61.573	55.556	-26.627	88.200	6.016	PK
8		5933.200	58.673	52.586	-29.527	88.200	6.086	PK

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

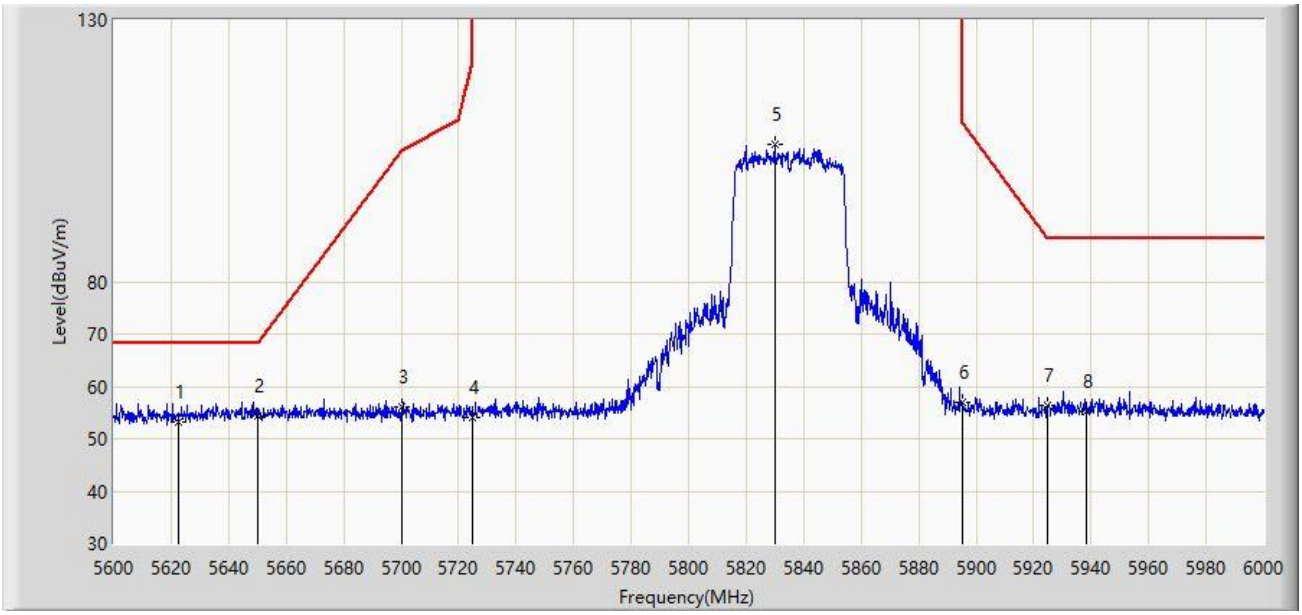
Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB/m).

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

Note 4: All measurements were performed by peak detector (PK).

Note 5: For emission above 5.895 GHz, average measurements were not performed because the peak measurement levels were below the average limit.

Site: WZ-AC2	Test Date: 2023-01-05
Limit: FCC_5.9G_RE(3m)	Engineer: Dick Shen
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: hAP ax^2	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE40 at Channel 5835MHz	



No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1		5622.600	53.092	48.473	-15.108	68.200	4.619	PK
2	*	5650.000	54.294	49.162	-13.906	68.200	5.132	PK
3		5700.000	56.129	51.001	-49.071	105.200	5.129	PK
4		5725.000	54.120	48.644	-68.080	122.200	5.476	PK
5		5830.000	106.106	100.549	N/A	N/A	5.557	PK
6		5895.000	56.991	51.044	-53.209	110.200	5.947	PK
7		5925.000	56.439	50.422	-31.761	88.200	6.016	PK
8		5938.200	55.314	49.276	-32.886	88.200	6.037	PK

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

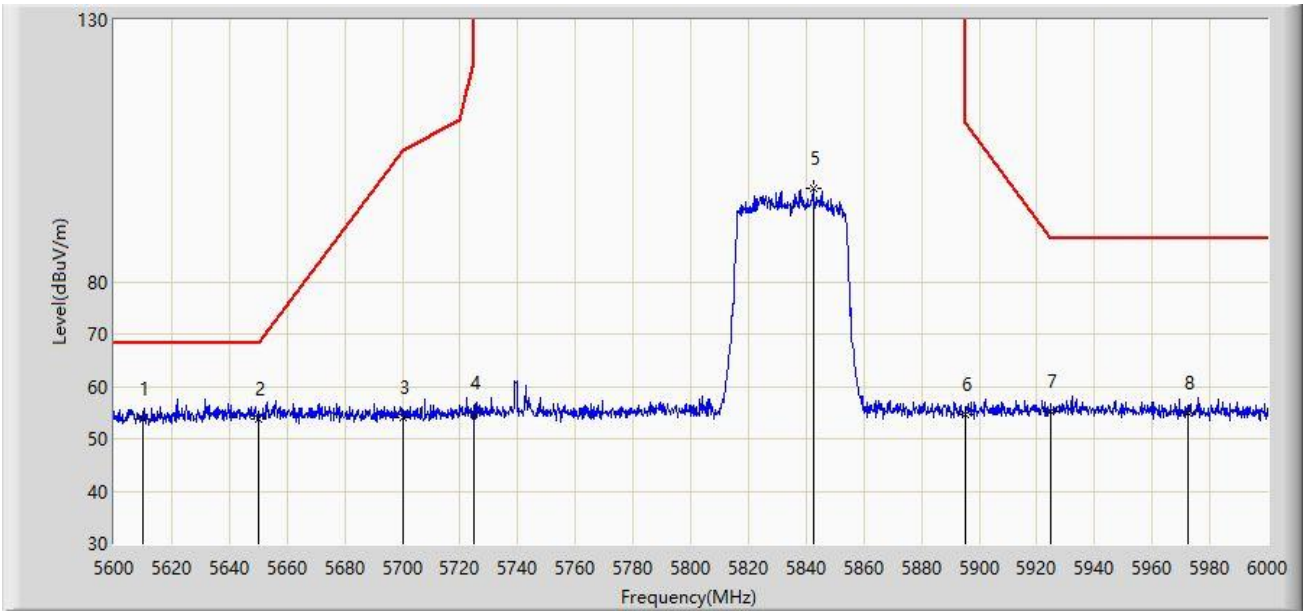
Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB/m).

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

Note 4: All measurements were performed by peak detector (PK).

Note 5: For emission above 5.895 GHz, average measurements were not performed because the peak measurement levels were below the average limit.

Site: WZ-AC2	Test Date: 2023-01-05
Limit: FCC_5.9G_RE(3m)	Engineer: Dick Shen
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: hAP ax^2	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE40 at Channel 5835MHz	



No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1	*	5609.800	53.891	49.410	-14.309	68.200	4.481	PK
2		5650.000	53.867	48.735	-14.333	68.200	5.132	PK
3		5700.000	54.011	48.883	-51.189	105.200	5.129	PK
4		5725.000	55.014	49.538	-67.186	122.200	5.476	PK
5		5842.600	97.716	92.098	N/A	N/A	5.617	PK
6		5895.000	54.608	48.661	-55.592	110.200	5.947	PK
7		5925.000	55.122	49.105	-33.078	88.200	6.016	PK
8		5972.200	55.021	49.016	-33.179	88.200	6.006	PK

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

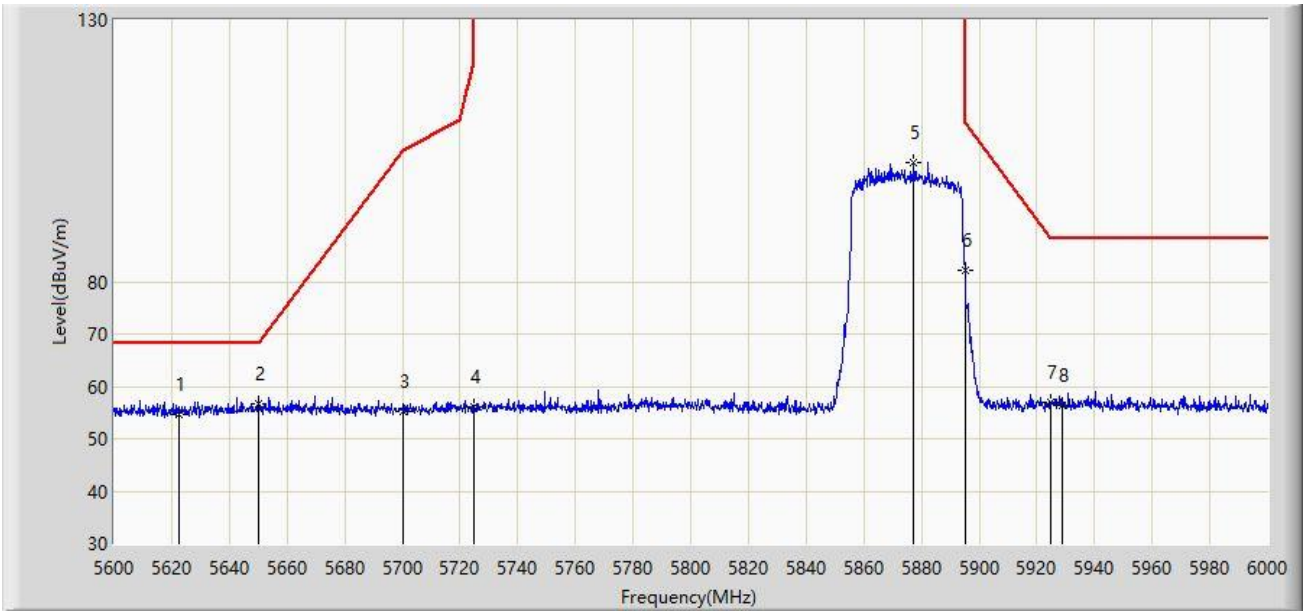
Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB/m).

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

Note 4: All measurements were performed by peak detector (PK).

Note 5: For emission above 5.895 GHz, average measurements were not performed because the peak measurement levels were below the average limit.

Site: WZ-AC2	Test Date: 2023-01-05
Limit: FCC_5.9G_RE(3m)	Engineer: Dick Shen
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: hAP ax^2	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE40 at Channel 5875MHz	



No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1		5622.600	54.688	50.069	-13.512	68.200	4.619	PK
2	*	5650.000	56.525	51.393	-11.675	68.200	5.132	PK
3		5700.000	55.186	50.058	-50.014	105.200	5.129	PK
4		5725.000	56.018	50.542	-66.182	122.200	5.476	PK
5		5877.400	102.719	96.798	N/A	N/A	5.921	PK
6		5895.000	82.110	76.163	-28.090	110.200	5.947	PK
7		5925.000	56.958	50.941	-31.242	88.200	6.016	PK
8		5928.600	56.361	50.272	-31.839	88.200	6.090	PK

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

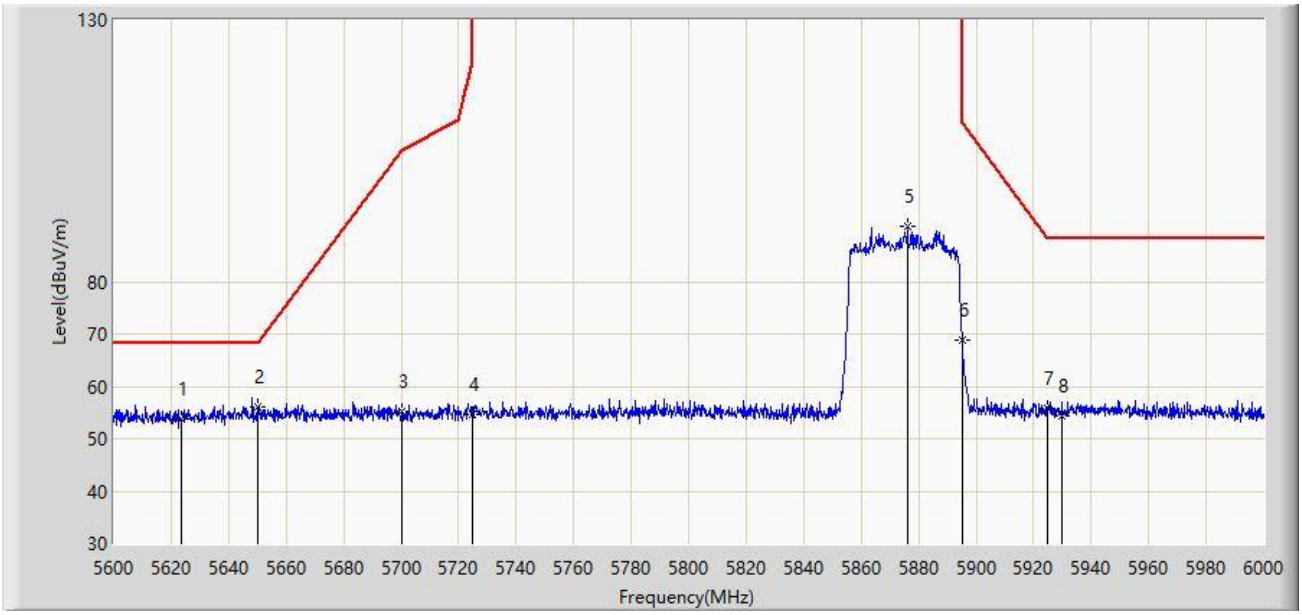
Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB/m).

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

Note 4: All measurements were performed by peak detector (PK).

Note 5: For emission above 5.895 GHz, average measurements were not performed because the peak measurement levels were below the average limit.

Site: WZ-AC2	Test Date: 2023-01-05
Limit: FCC_5.9G_RE(3m)	Engineer: Dick Shen
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: hAP ax^2	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE40 at Channel 5875MHz	



No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1		5623.800	53.661	49.026	-14.539	68.200	4.636	PK
2	*	5650.000	56.146	51.014	-12.054	68.200	5.132	PK
3		5700.000	55.245	50.117	-49.955	105.200	5.129	PK
4		5725.000	54.587	49.111	-67.613	122.200	5.476	PK
5		5876.200	90.574	84.657	N/A	N/A	5.917	PK
6		5895.000	68.732	62.785	-41.468	110.200	5.947	PK
7		5925.000	55.732	49.715	-32.468	88.200	6.016	PK
8		5930.000	54.211	48.093	-33.989	88.200	6.117	PK

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

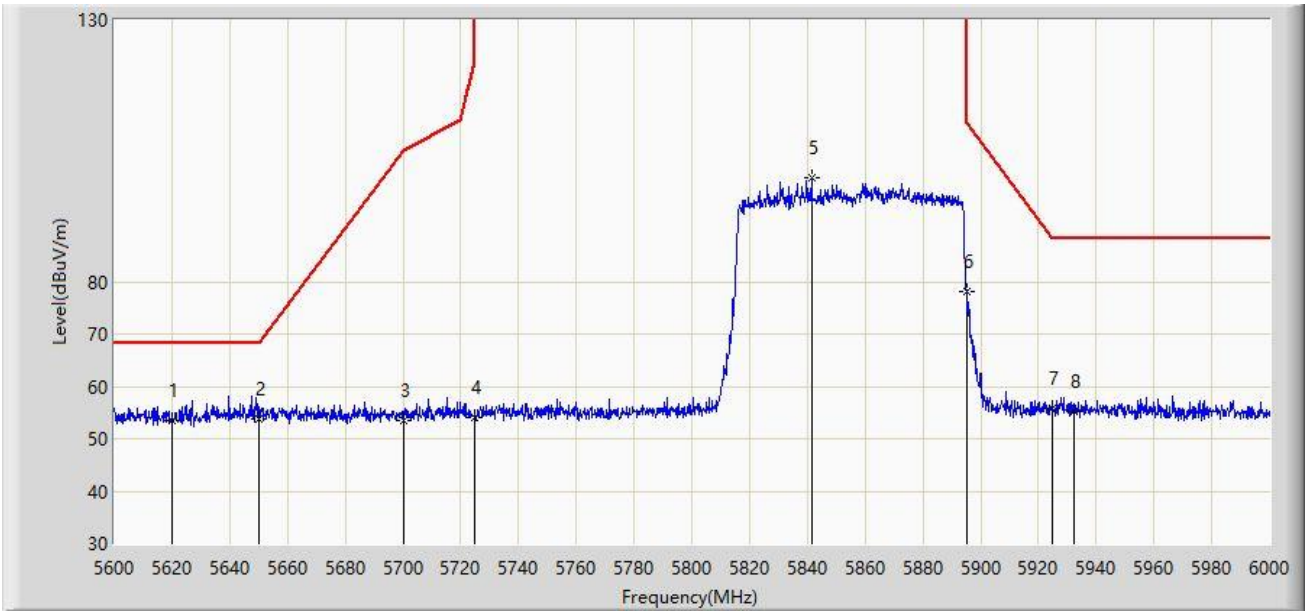
Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB/m).

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

Note 4: All measurements were performed by peak detector (PK).

Note 5: For emission above 5.895 GHz, average measurements were not performed because the peak measurement levels were below the average limit.

Site: WZ-AC2	Test Date: 2023-01-05
Limit: FCC_5.9G_RE(3m)	Engineer: Dick Shen
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: hAP ax^2	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE80 at Channel 5855MHz	



No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		5620.200	53.545	48.959	-14.655	68.200	4.587	PK
2	*	5650.000	53.712	48.580	-14.488	68.200	5.132	PK
3		5700.000	53.434	48.306	-51.766	105.200	5.129	PK
4		5725.000	53.995	48.519	-68.205	122.200	5.476	PK
5		5841.400	99.717	94.104	N/A	N/A	5.613	PK
6		5895.000	78.060	72.113	-32.140	110.200	5.947	PK
7		5925.000	55.913	49.896	-32.287	88.200	6.016	PK
8		5932.200	55.244	49.148	-32.956	88.200	6.096	PK

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

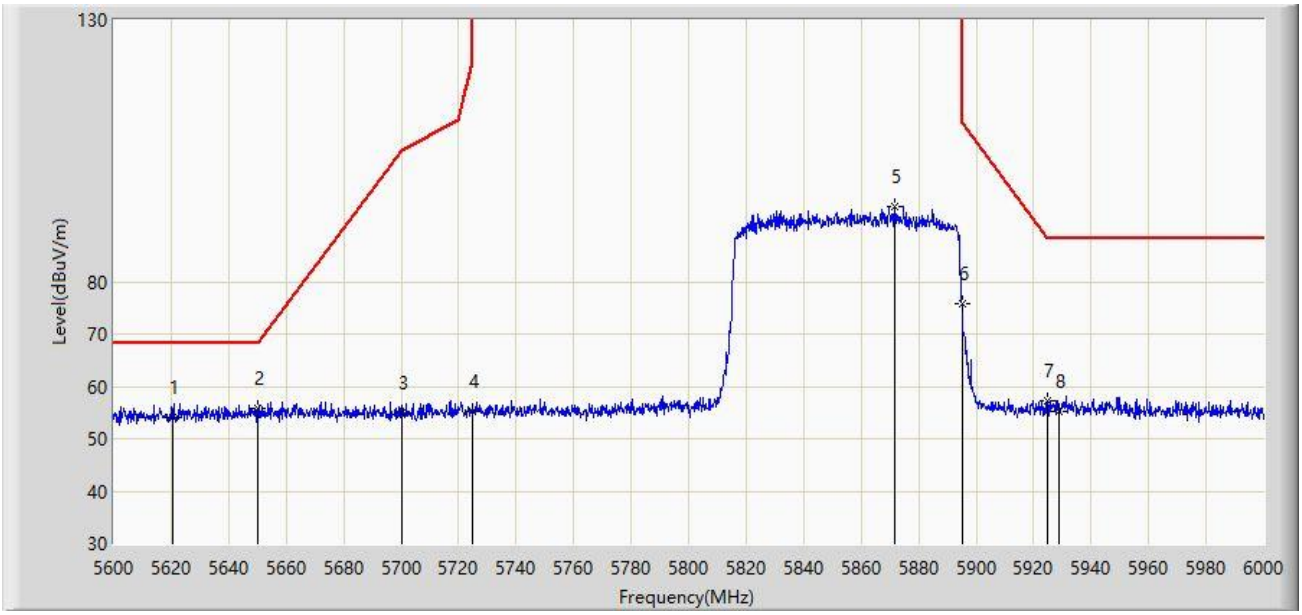
Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

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

Note 4: All measurements were performed by peak detector (PK).

Note 5: For emission above 5.895 GHz, average measurements were not performed because the peak measurement levels were below the average limit.

Site: WZ-AC2	Test Date: 2023-01-05
Limit: FCC_5.9G_RE(3m)	Engineer: Dick Shen
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: hAP ax^2	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE80 at Channel 5855MHz	



No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1		5620.600	54.060	49.468	-14.140	68.200	4.591	PK
2	*	5650.000	55.726	50.594	-12.474	68.200	5.132	PK
3		5700.000	54.822	49.694	-50.378	105.200	5.129	PK
4		5725.000	55.166	49.690	-67.034	122.200	5.476	PK
5		5871.800	94.460	88.557	N/A	N/A	5.903	PK
6		5895.000	75.870	69.923	-34.330	110.200	5.947	PK
7		5925.000	57.311	51.294	-30.889	88.200	6.016	PK
8		5928.800	55.298	49.205	-32.902	88.200	6.093	PK

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

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

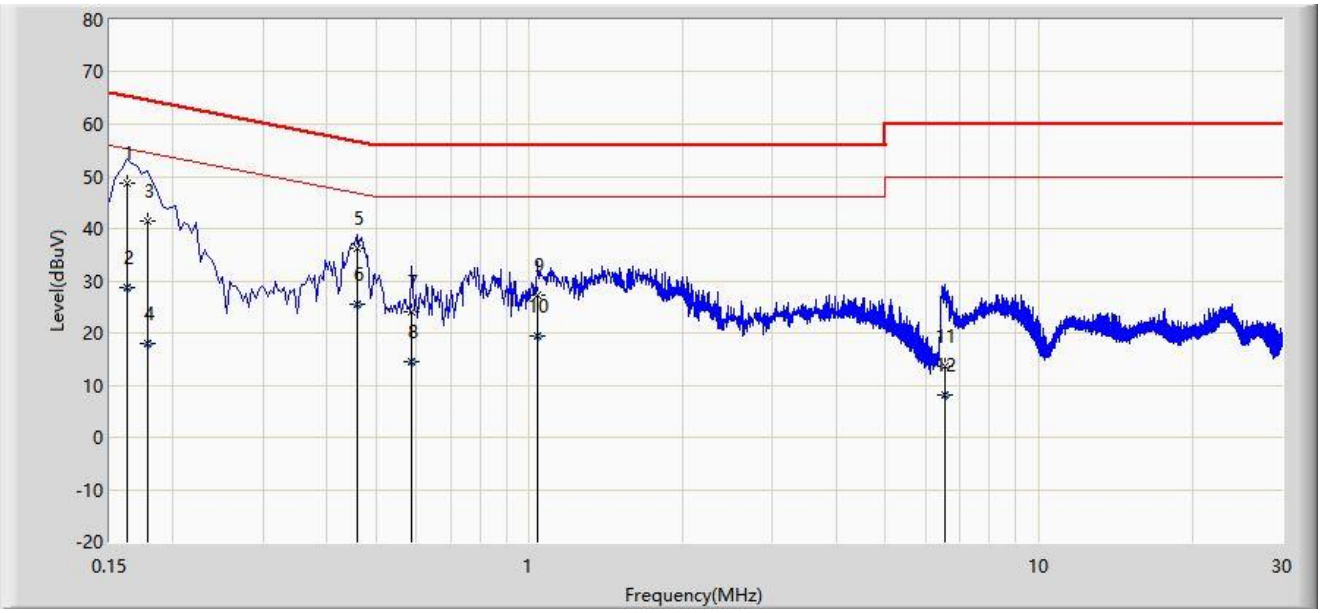
Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Note 4: All measurements were performed by peak detector (PK).

Note 5: For emission above 5.895 GHz, average measurements were not performed because the peak measurement levels were below the average limit.

A.9 AC Conducted Emissions Test Result

Site: WZ-SR2	Test Date: 2023-01-03
Limit: FCC_Part15.207_CE_AC Power	Engineer: Helen Han
Probe: ENV216_101683_Filter Off_E	Polarity: Line
EUT: hAP ax^2	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE80 at 5855MHz	



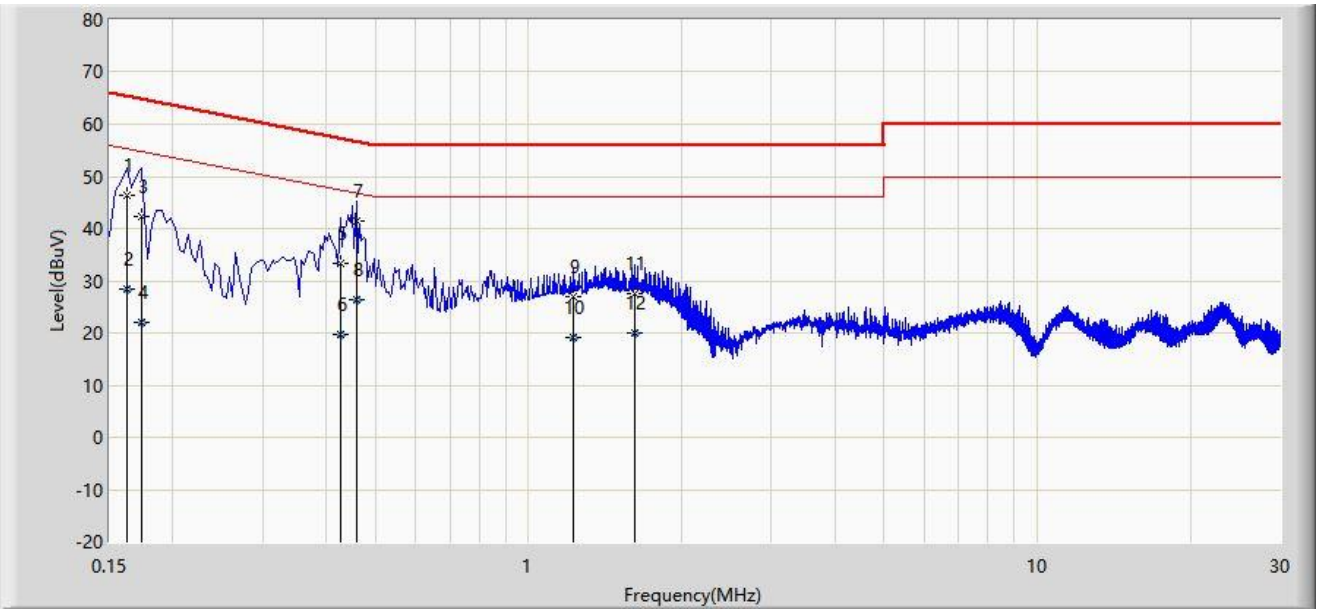
No	Mark	Frequency (MHz)	Measure Level (dBµV)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV)	Factor (dB)	Type
1	*	0.162	48.552	38.672	-16.809	65.361	9.880	QP
2		0.162	28.604	18.724	-26.757	55.361	9.880	AV
3		0.178	41.508	31.628	-23.070	64.578	9.880	QP
4		0.178	18.088	8.208	-36.491	54.578	9.880	AV
5		0.458	36.194	26.255	-20.534	56.729	9.940	QP
6		0.458	25.471	15.531	-21.258	46.729	9.940	AV
7		0.586	24.064	14.115	-31.936	56.000	9.949	QP
8		0.586	14.369	4.420	-31.631	46.000	9.949	AV
9		1.038	27.231	17.250	-28.769	56.000	9.981	QP
10		1.038	19.357	9.376	-26.643	46.000	9.981	AV
11		6.542	13.683	2.980	-46.317	60.000	10.703	QP
12		6.542	8.240	-2.463	-41.760	50.000	10.703	AV

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

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

Note 3: Factor (dB) = Cable Loss (dB) + LISN Factor (dB).

Site: WZ-SR2	Test Date: 2023-01-03
Limit: FCC_Part15.207_CE_AC Power	Engineer: Helen Han
Probe: ENV216_101683_Filter Off_E	Polarity: Neutral
EUT: hAP ax^2	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE80 at 5855MHz	



No	Mark	Frequency (MHz)	Measure Level (dBμV)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV)	Factor (dB)	Type
1		0.162	46.426	36.523	-18.935	65.361	9.903	QP
2		0.162	28.408	18.505	-26.953	55.361	9.903	AV
3		0.174	42.240	32.335	-22.528	64.767	9.905	QP
4		0.174	21.949	12.044	-32.818	54.767	9.905	AV
5		0.426	33.303	23.355	-24.027	57.330	9.948	QP
6		0.426	19.664	9.716	-27.666	47.330	9.948	AV
7	*	0.458	41.314	31.361	-15.415	56.729	9.953	QP
8		0.458	26.376	16.423	-20.353	46.729	9.953	AV
9		1.226	26.893	16.888	-29.107	56.000	10.005	QP
10		1.226	19.275	9.270	-26.725	46.000	10.005	AV
11		1.622	27.429	17.416	-28.571	56.000	10.013	QP
12		1.622	19.919	9.906	-26.081	46.000	10.013	AV

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

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

Note 3: Factor (dB) = Cable Loss (dB) + LISN Factor (dB).

Appendix B – Test Setup Photograph

Refer to “2212RSU016-UT” file.

The End