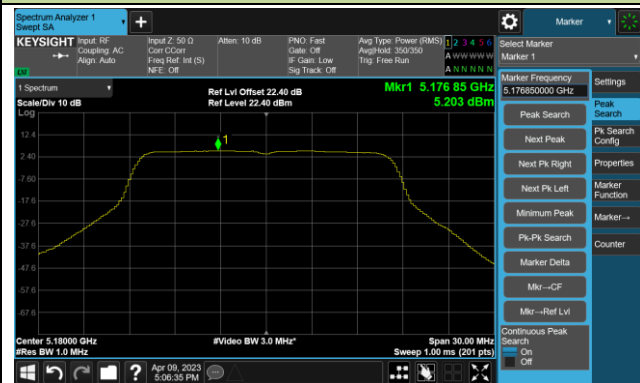
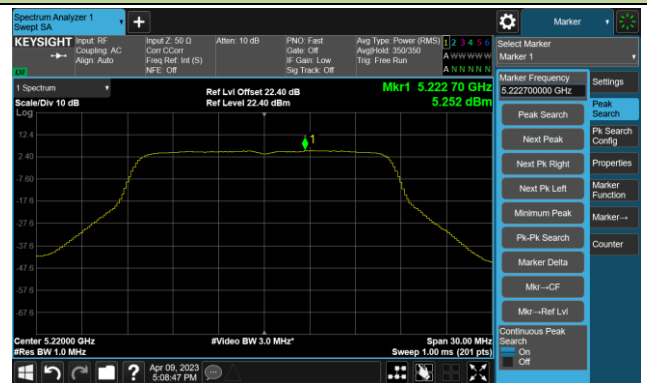


802.11a Power Spectral Density- Ant 1

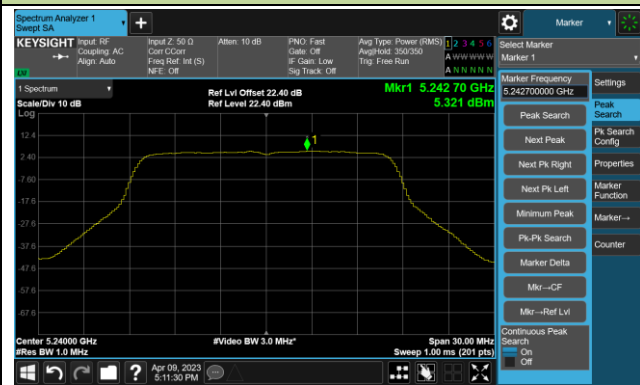
Channel 36 (5180MHz)



Channel 44 (5220MHz)



Channel 48 (5240MHz)



Channel 52 (5260MHz)



Channel 60 (5300MHz)



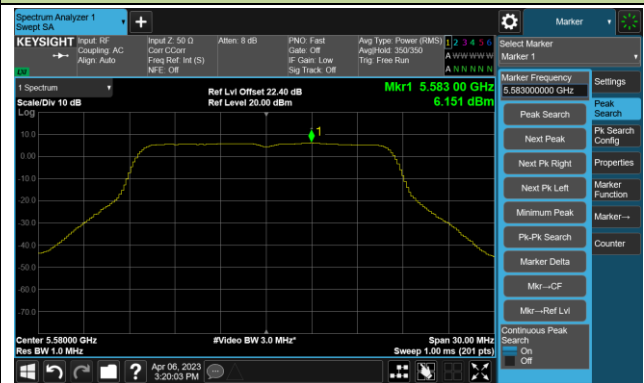
Channel 64 (5320MHz)



Channel 100 (5500MHz)



Channel 116 (5580MHz)



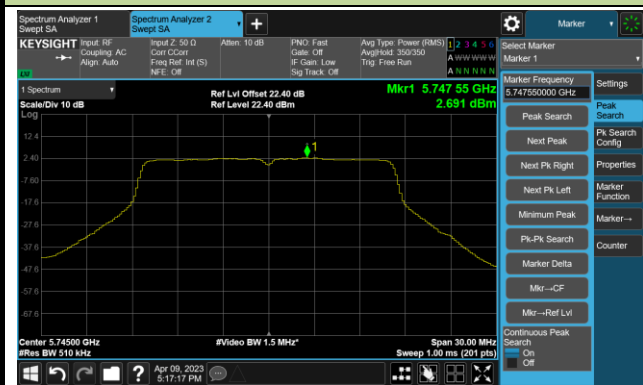
Channel 140 (5700MHz)



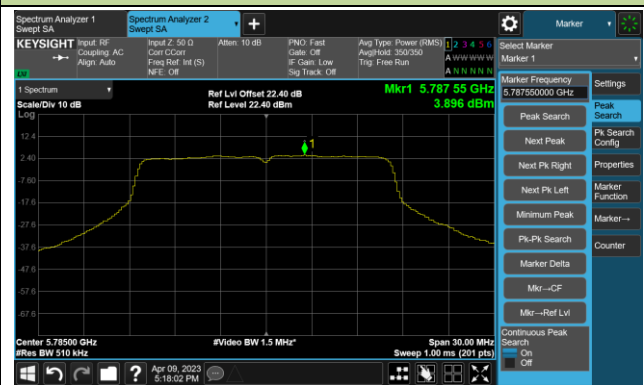
Channel 144(5720MHz)



Channel 149 (5745MHz)



Channel 157 (5785MHz)



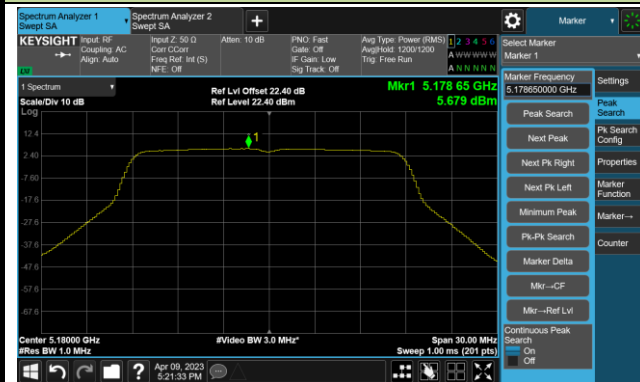
802.11a Power Spectral Density- Ant 1

Channel 165 (5825MHz)

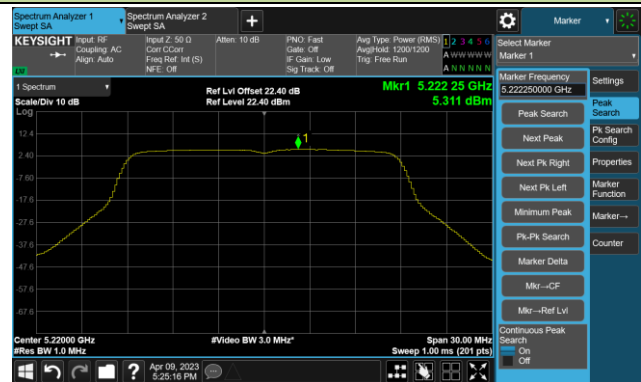


802.11ac-VHT20 Power Spectral Density- Ant 1

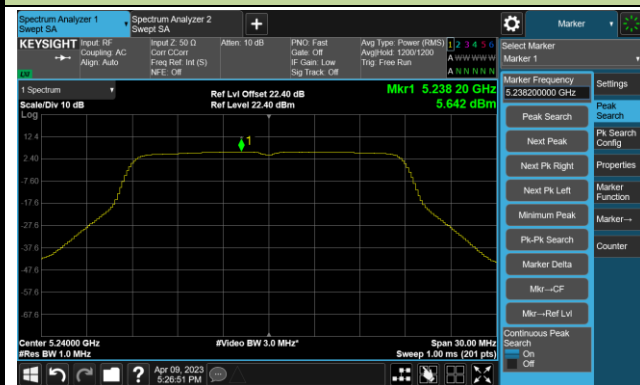
Channel 36 (5180MHz)



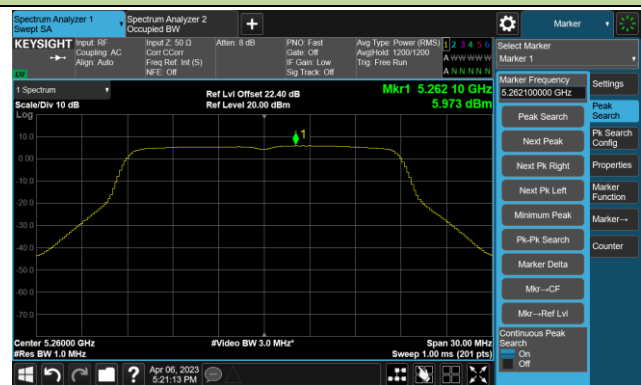
Channel 44 (5220MHz)



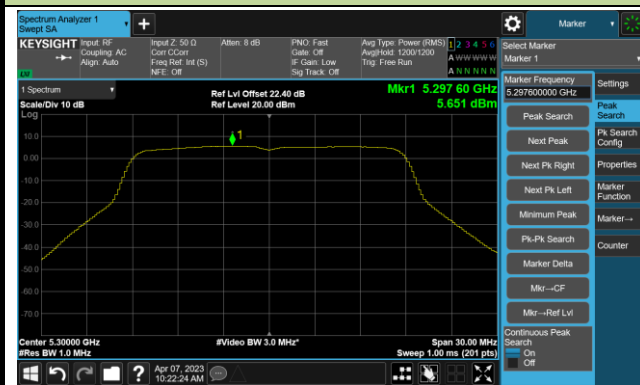
Channel 48 (5240MHz)



Channel 52 (5260MHz)



Channel 60 (5300MHz)



Channel 64 (5320MHz)



802.11ac-VHT20 Power Spectral Density- Ant 1

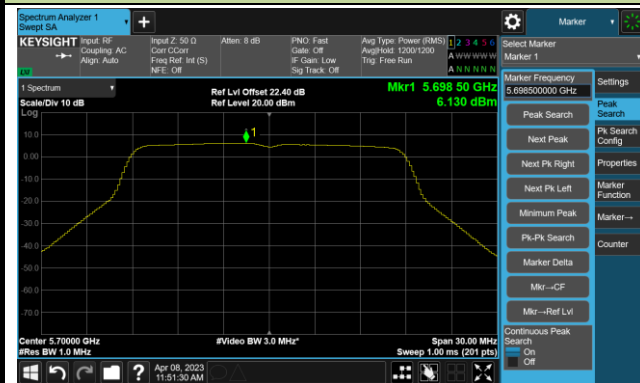
Channel 100 (5500MHz)



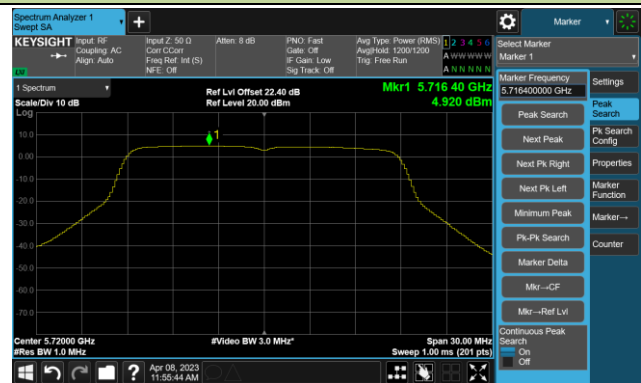
Channel 116 (5580MHz)



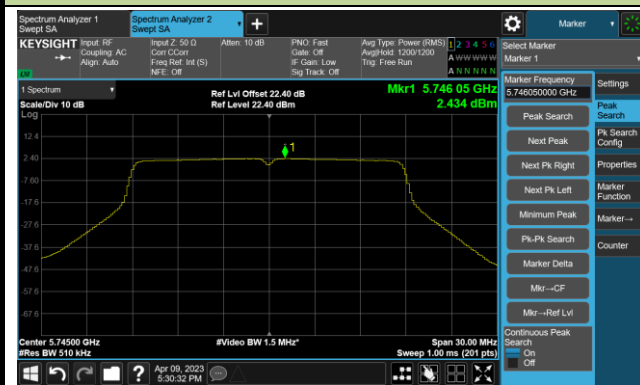
Channel 140 (5700MHz)



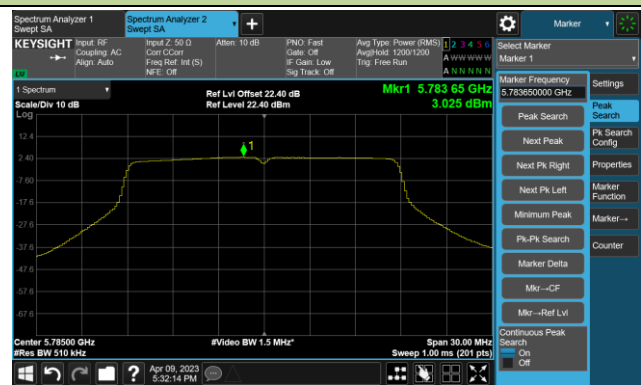
Channel 144(5720MHz)



Channel 149 (5745MHz)

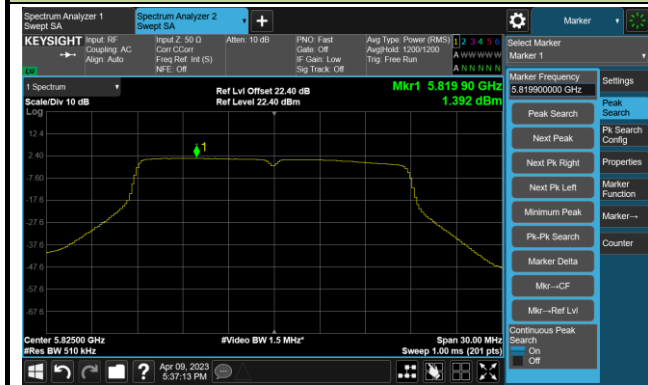


Channel 157 (5785MHz)



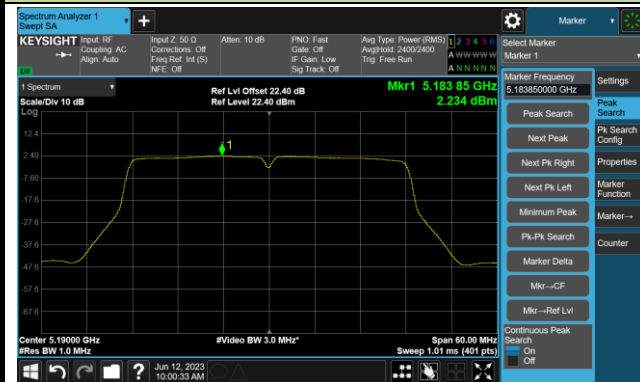
802.11ac-VHT20 Power Spectral Density- Ant 1

Channel 165 (5825MHz)



802.11ac-VHT40 Power Spectral Density- Ant 1

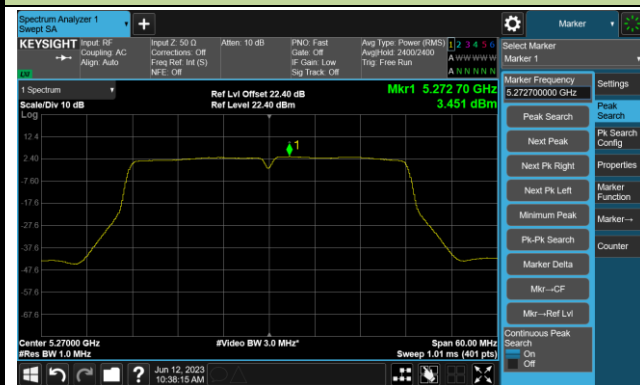
Channel 38 (5190MHz)



Channel 46 (5230MHz)



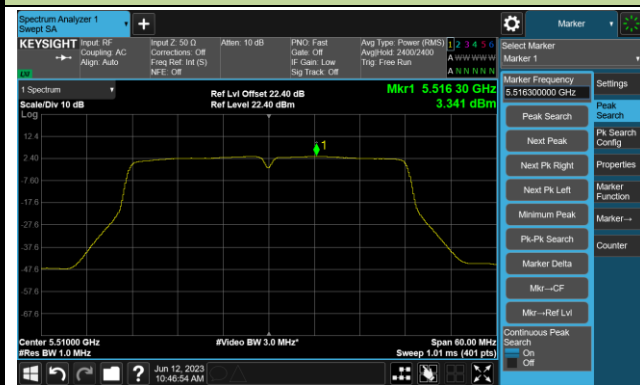
Channel 54 (5270MHz)



Channel 62 (5310MHz)



Channel 102 (5510MHz)

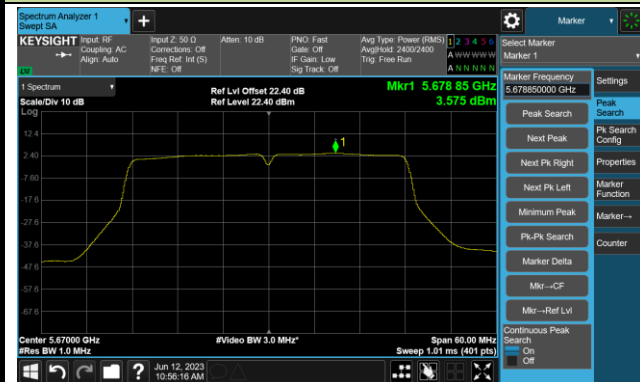


Channel 110 (5550MHz)



802.11ac-VHT40 Power Spectral Density- Ant 1

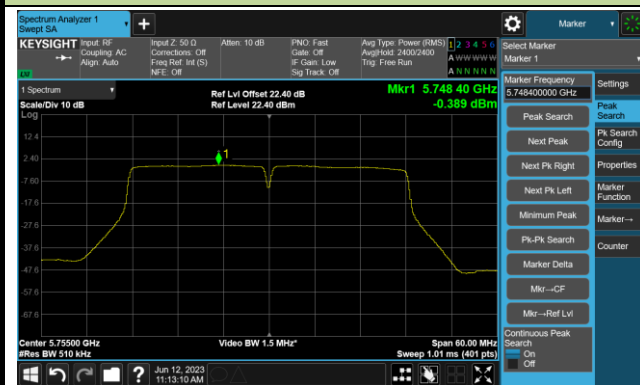
Channel 134 (5670MHz)



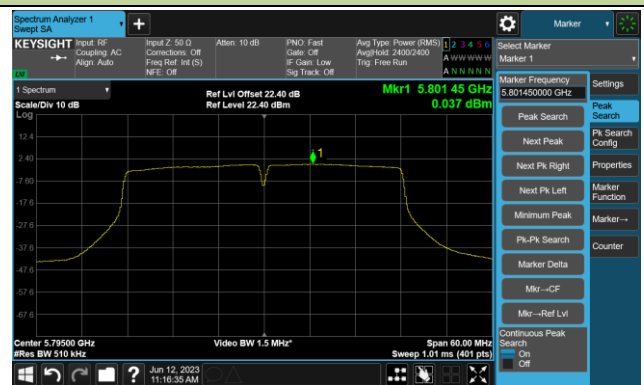
Channel 142(5710MHz)



Channel 151 (5755MHz)

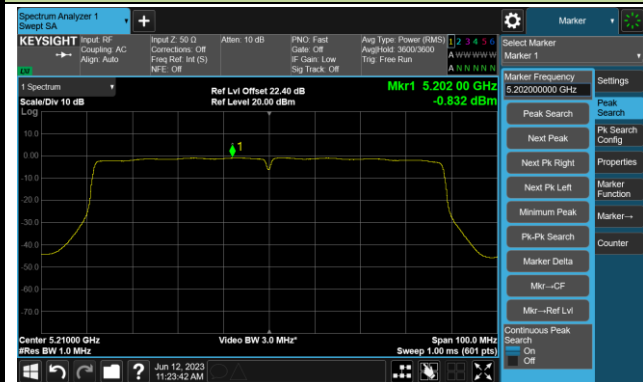


Channel 159 (5795MHz)



802.11ac-VHT80 Power Spectral Density- Ant 1

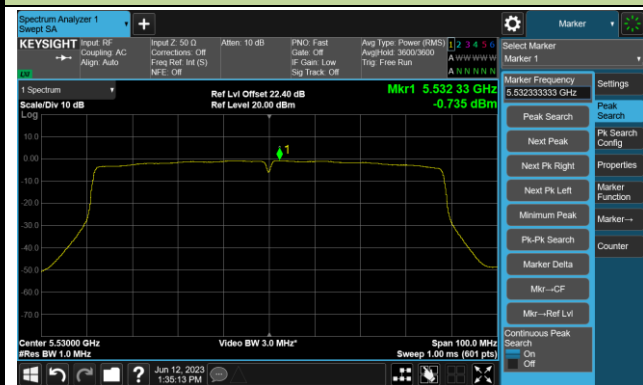
Channel 42 (5210MHz)



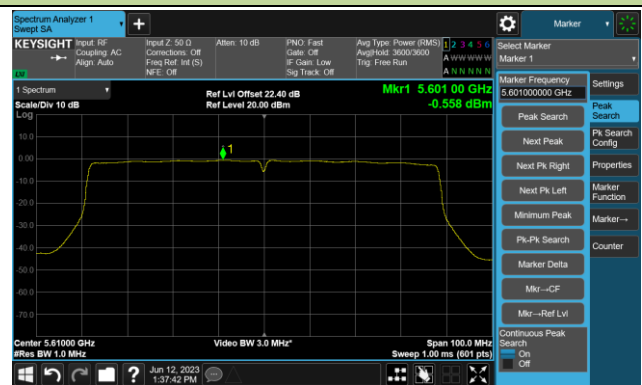
Channel 58 (5290MHz)



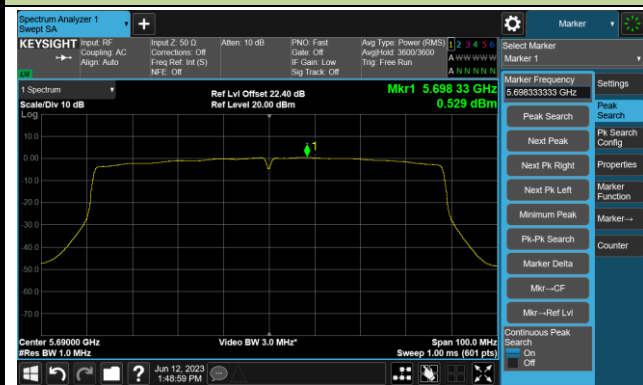
Channel 106 (5530MHz)



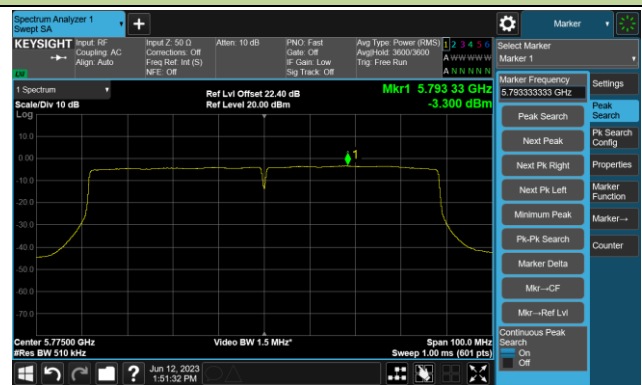
Channel 122 (5610MHz)



Channel 138 (5690MHz)

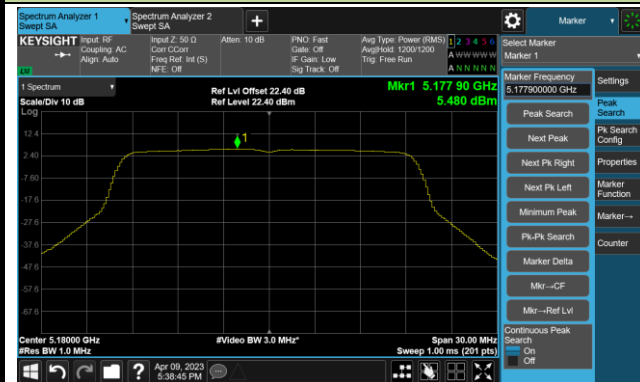


Channel 155 (5775MHz)

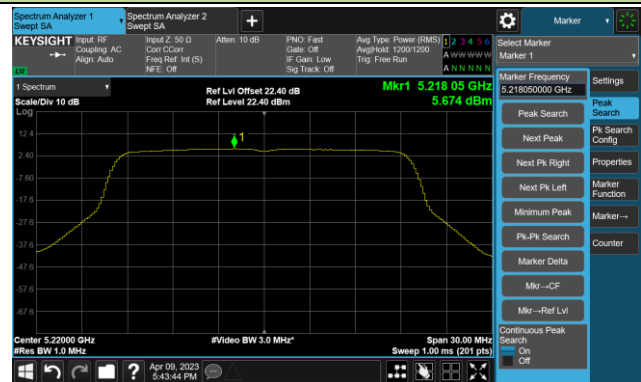


802.11ax-HE20 Power Spectral Density- Ant 1

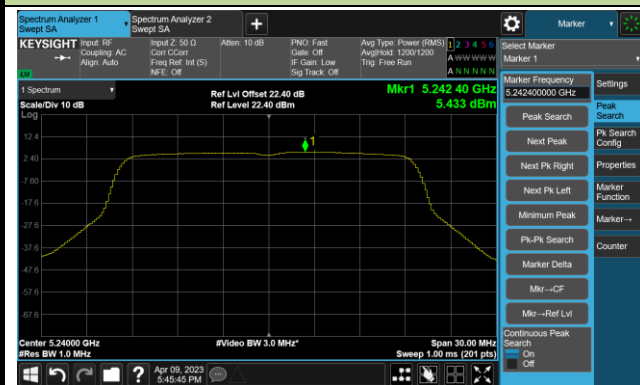
Channel 36 (5180MHz)



Channel 44 (5220MHz)



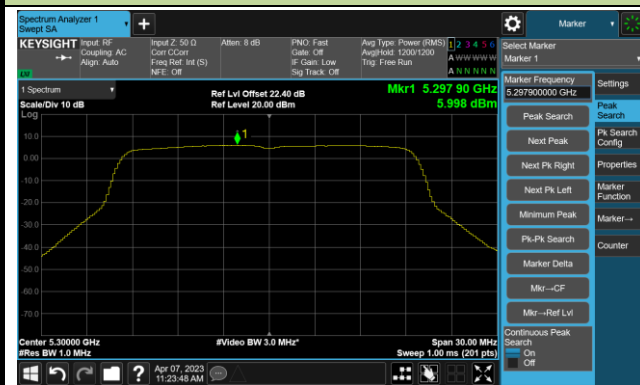
Channel 48 (5240MHz)



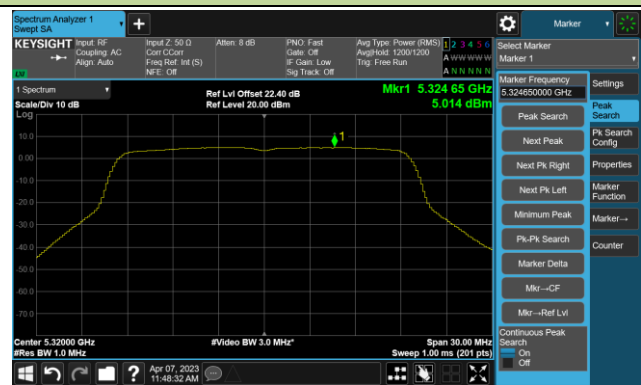
Channel 52 (5260MHz)



Channel 60 (5300MHz)



Channel 64 (5320MHz)



802.11ax-HE20 Power Spectral Density- Ant 1

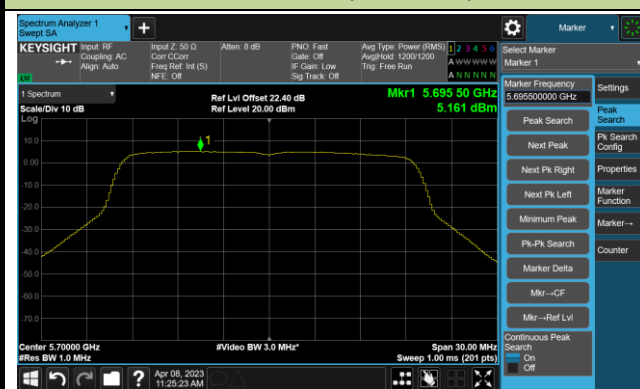
Channel 100 (5500MHz)



Channel 116 (5580MHz)



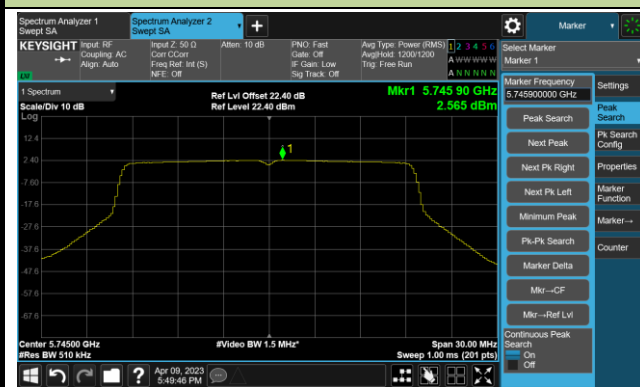
Channel 140 (5700MHz)



Channel 144(5720MHz)



Channel 149 (5745MHz)



Channel 157 (5785MHz)



802.11ax-HE20 Power Spectral Density- Ant 1

Channel 165 (5825MHz)

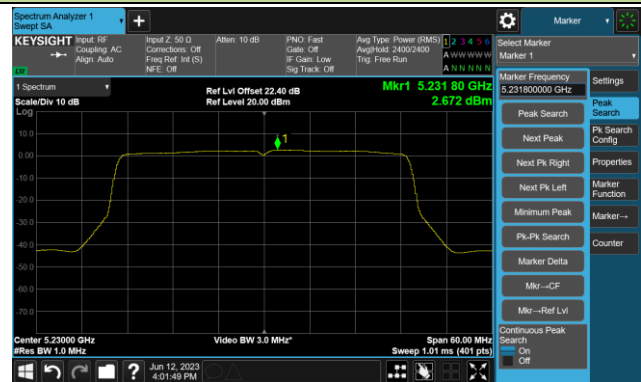


802.11ax-HE40 Power Spectral Density- Ant 1

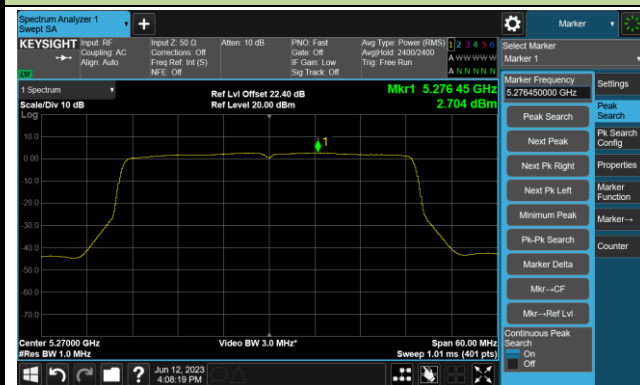
Channel 38 (5190MHz)



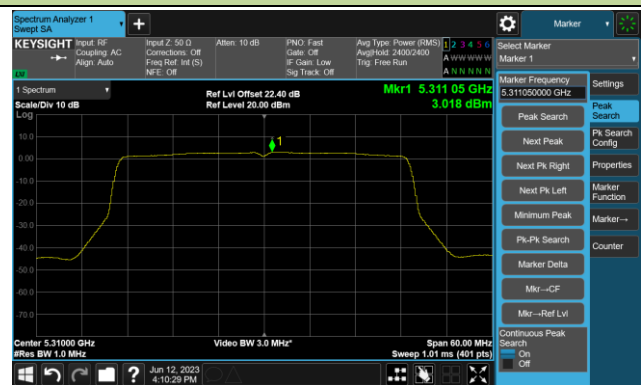
Channel 46 (5230MHz)



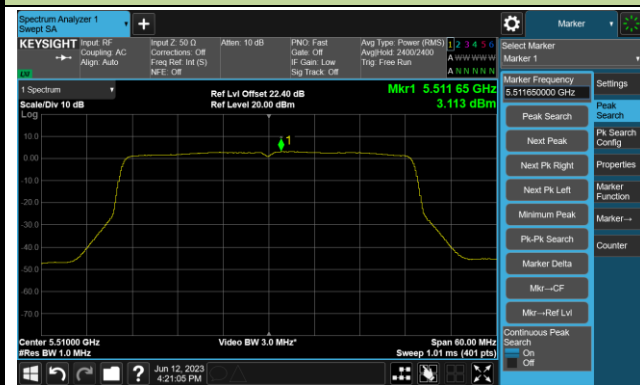
Channel 54 (5270MHz)



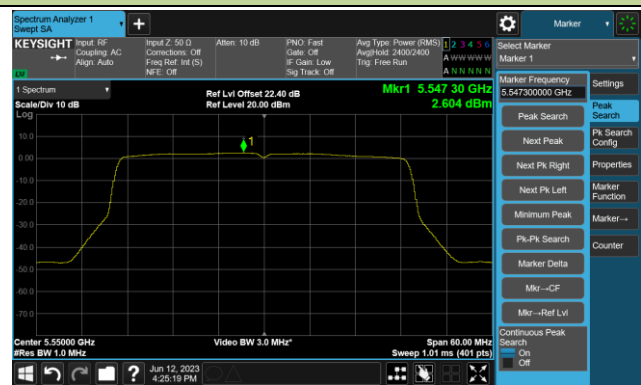
Channel 62 (5310MHz)



Channel 102 (5510MHz)

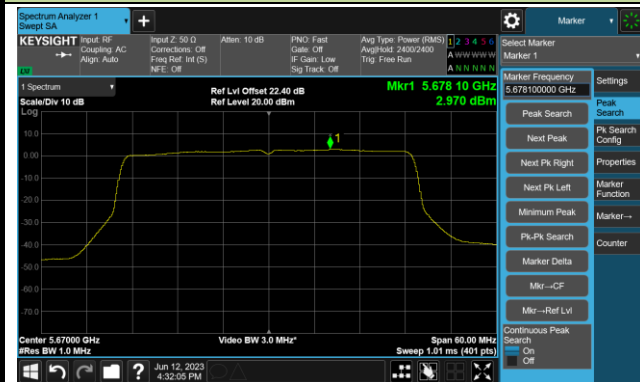


Channel 110 (5550MHz)



802.11ax-HE40 Power Spectral Density- Ant 1

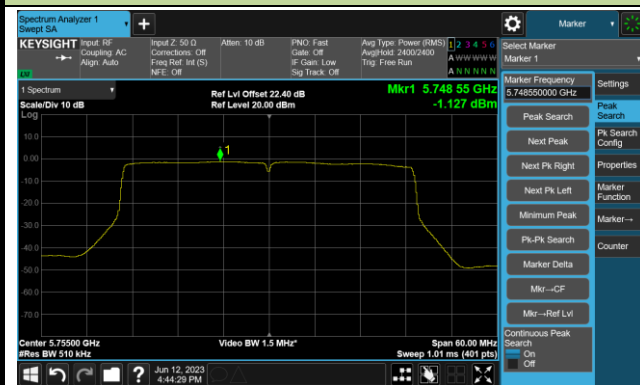
Channel 134 (5670MHz)



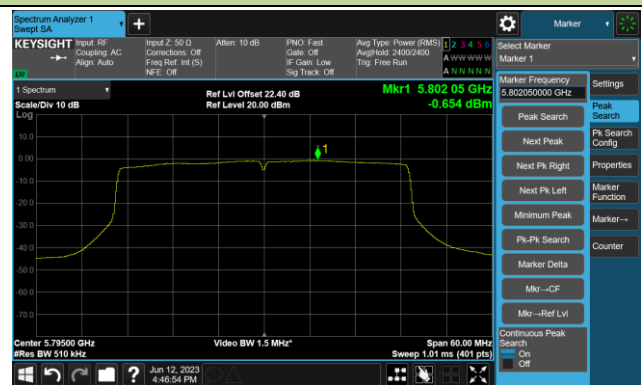
Channel 142(5710MHz)



Channel 151 (5755MHz)



Channel 159 (5795MHz)

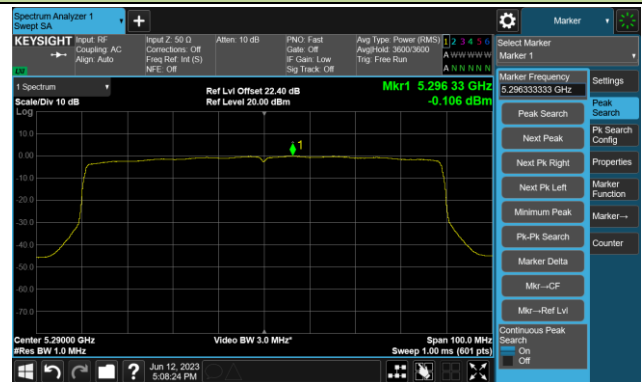


802.11ax-HE80 Power Spectral Density- Ant 1

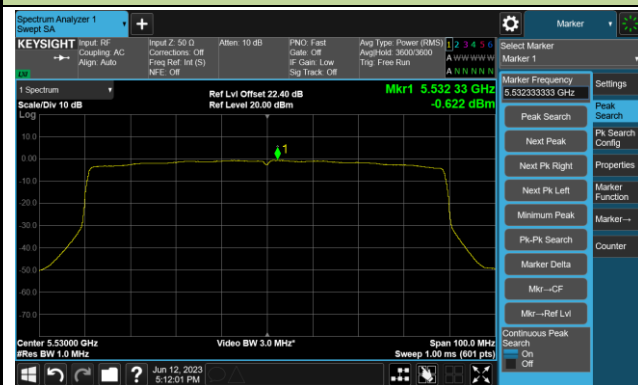
Channel 42 (5210MHz)



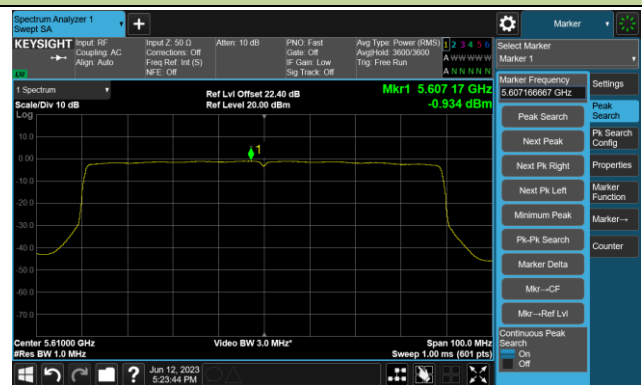
Channel 58 (5290MHz)



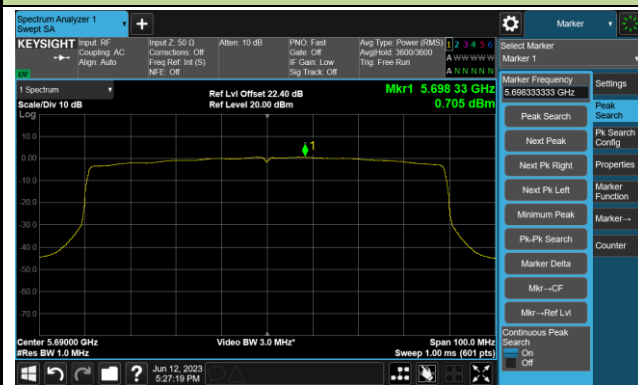
Channel 106 (5530MHz)



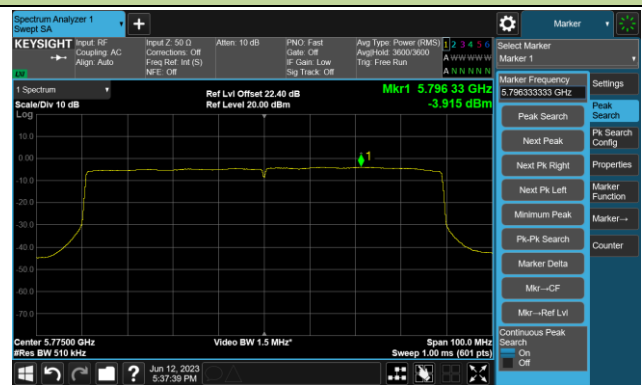
Channel 122 (5610MHz)



Channel 138 (5690MHz)



Channel 155 (5775MHz)



A.6 Frequency Stability Test Result

Test data of OAW-AP1431:

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)} *10⁶.

A.7 Radiated Spurious Emission Test Result

Test data of OAW-AP1431:

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

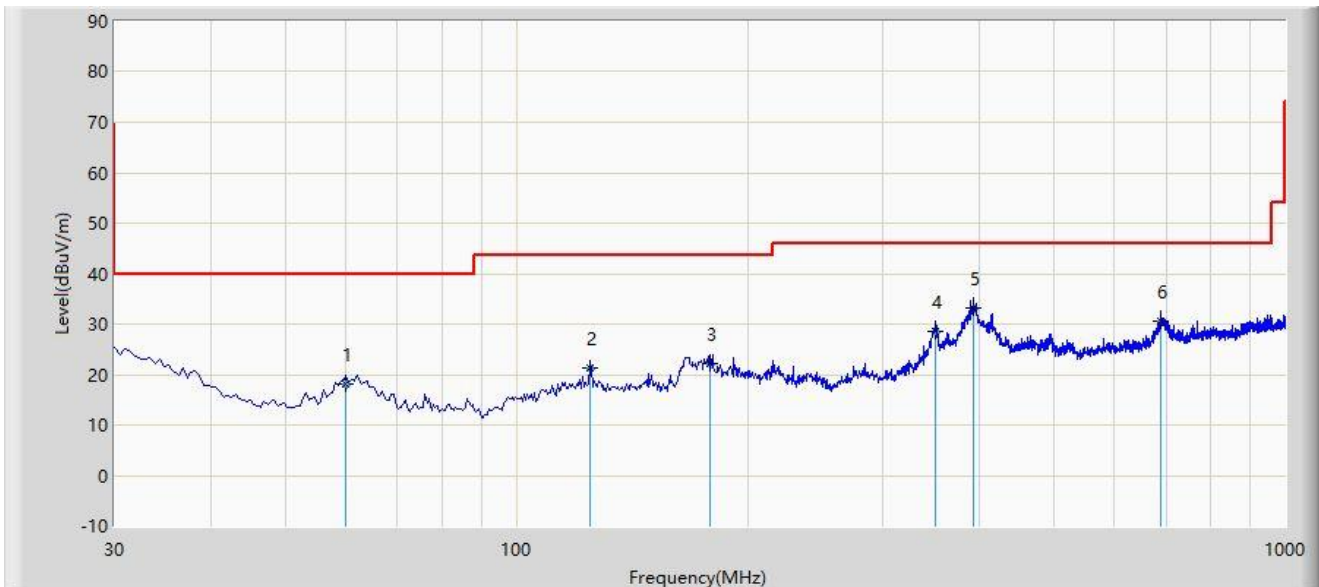
Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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: OmniAccess Stellar (OAW-AP1431)	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.

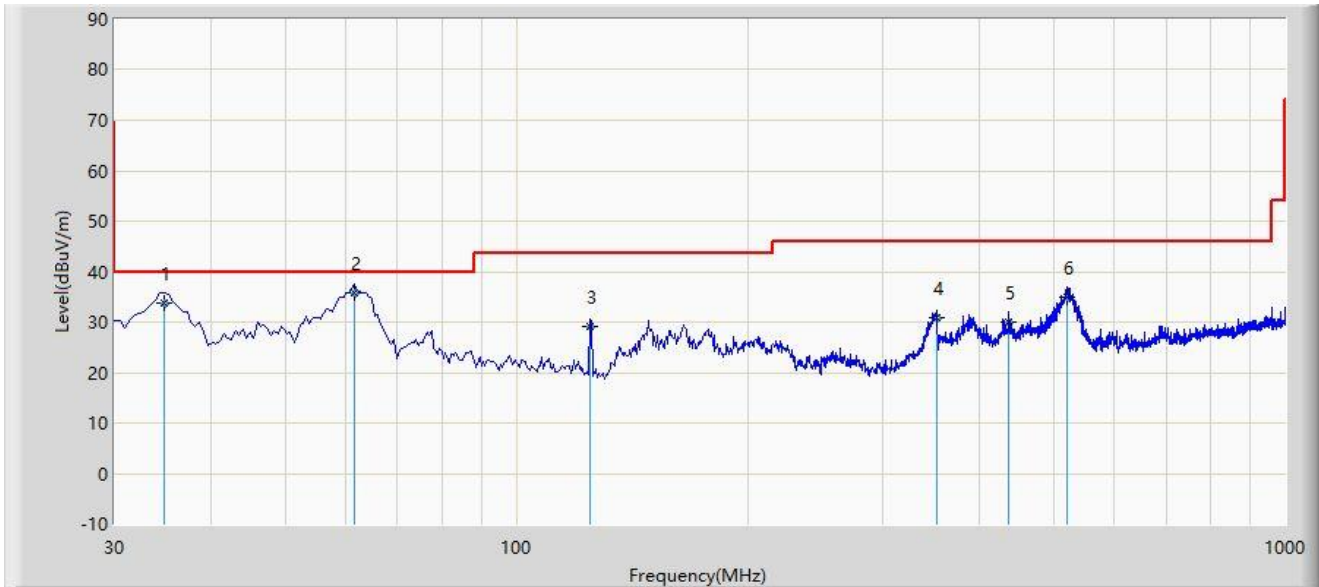
Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

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: OmniAccess Stellar (OAW-AP1431)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at channel 5310MHz	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/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 (dBuV/m) = Reading Level (dBuV) + 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 OAW-AP1411:

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: OmniAccess Stellar (OAW-AP1431)	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: OmniAccess Stellar (OAW-AP1431)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5180MHz	



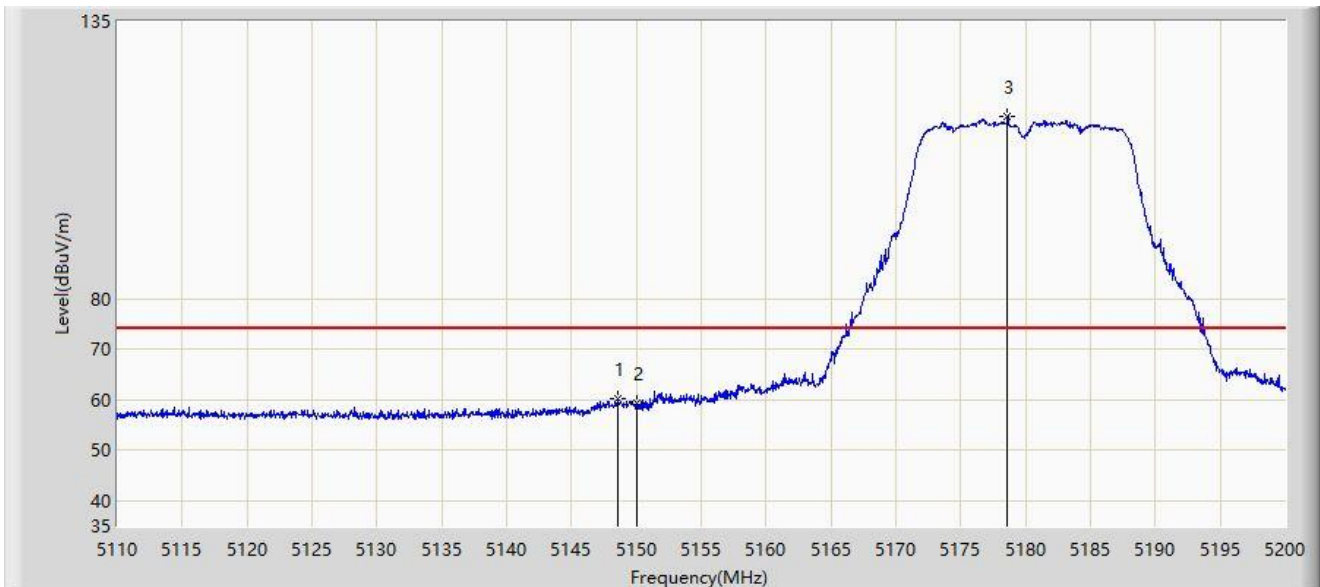
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	5149.330	47.117	44.553	-6.883	54.000	2.564	AV
2		5150.000	46.932	44.373	-7.068	54.000	2.559	AV
3		5180.920	105.076	103.140	N/A	N/A	1.936	AV

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: OmniAccess Stellar (OAW-AP1431)	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: OmniAccess Stellar (OAW-AP1431)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5180MHz	



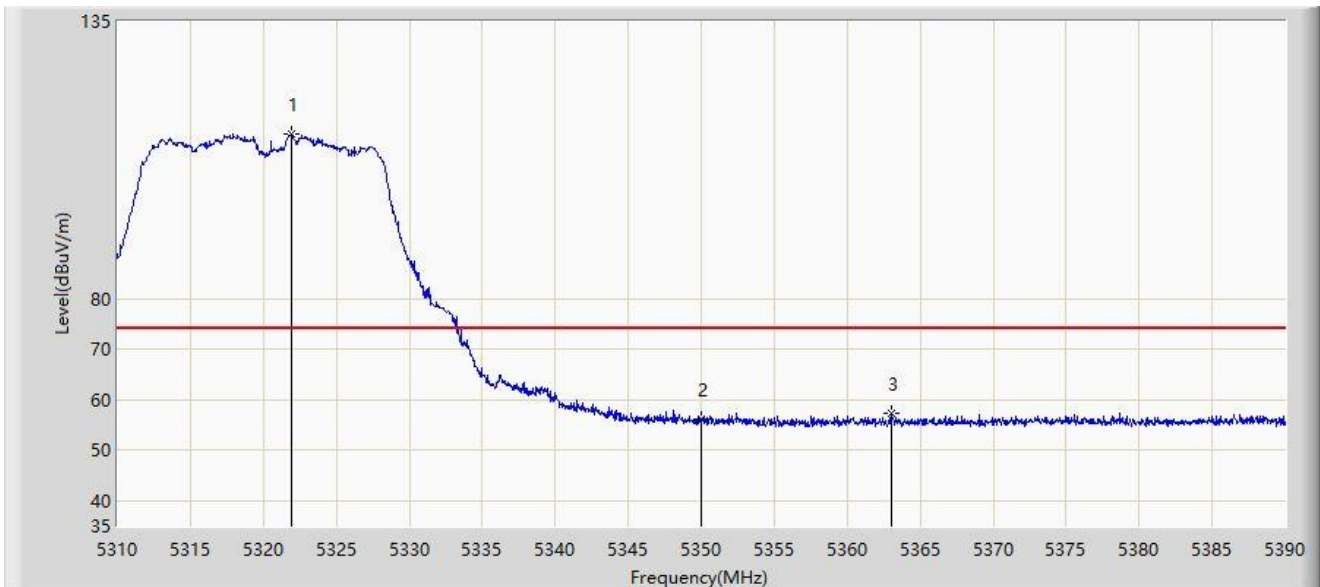
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	5148.790	47.378	44.810	-6.622	54.000	2.568	AV
2		5150.000	46.793	44.234	-7.207	54.000	2.559	AV
3		5183.035	105.808	103.914	N/A	N/A	1.895	AV

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: OmniAccess Stellar (OAW-AP1431)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5320MHz	



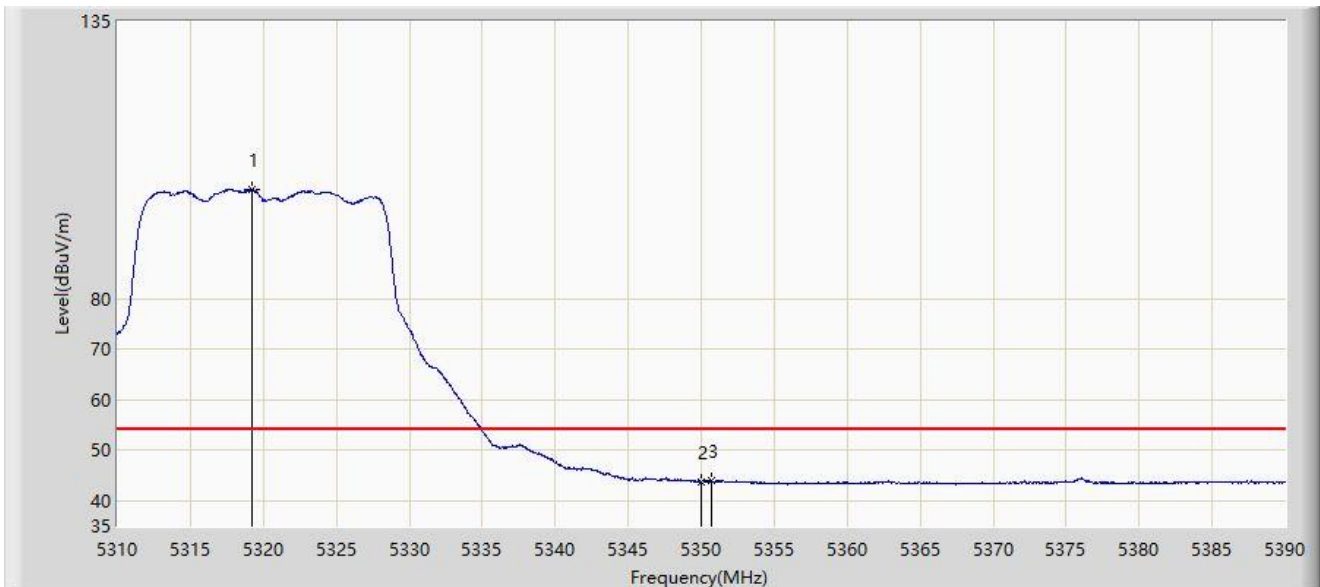
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		5321.880	112.744	111.193	N/A	N/A	1.551	PK
2		5350.000	56.021	54.511	-17.979	74.000	1.510	PK
3	*	5363.000	57.326	55.666	-16.674	74.000	1.660	PK

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: OmniAccess Stellar (OAW-AP1431)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5320MHz	



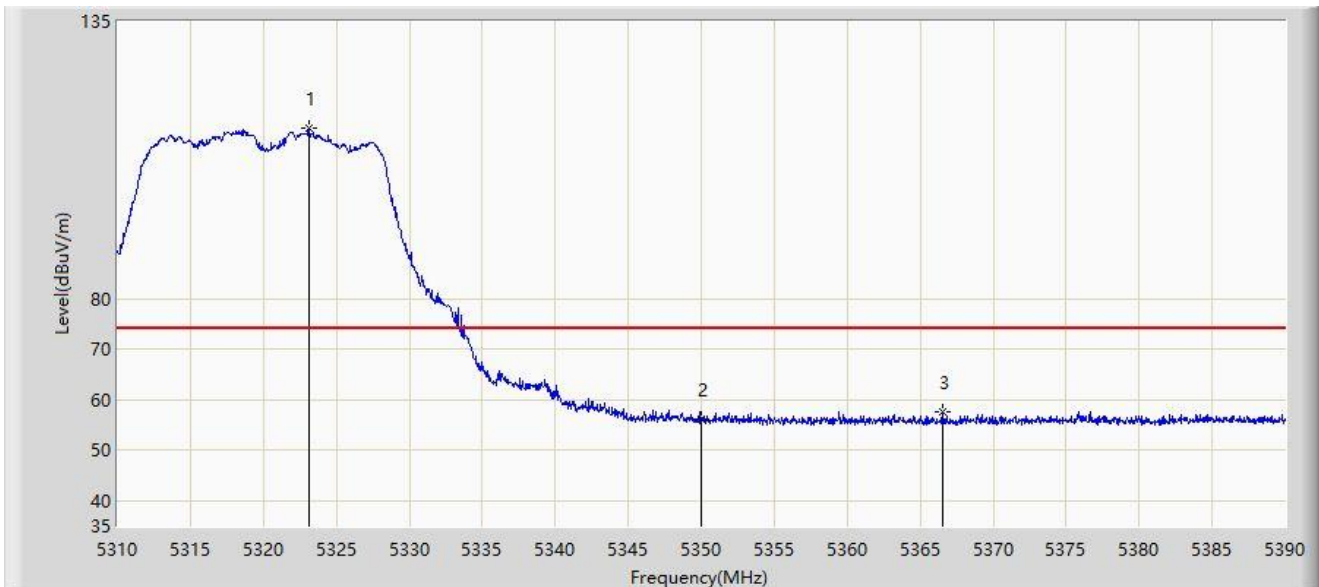
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		5319.200	101.801	100.249	N/A	N/A	1.552	AV
2		5350.000	43.708	42.198	-10.292	54.000	1.510	AV
3	*	5350.680	44.082	42.573	-9.918	54.000	1.509	AV

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: OmniAccess Stellar (OAW-AP1431)	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).