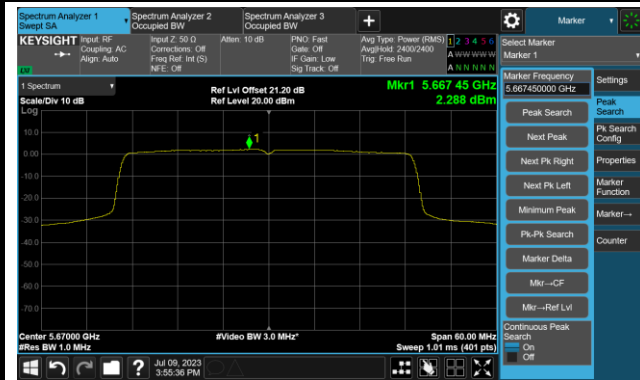
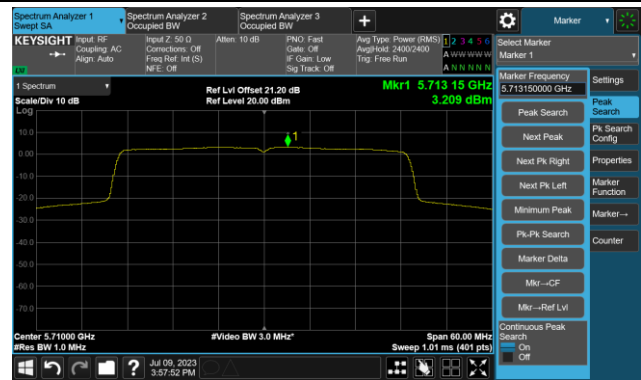


802.11ax-HE40 Power Spectral Density- Ant 0

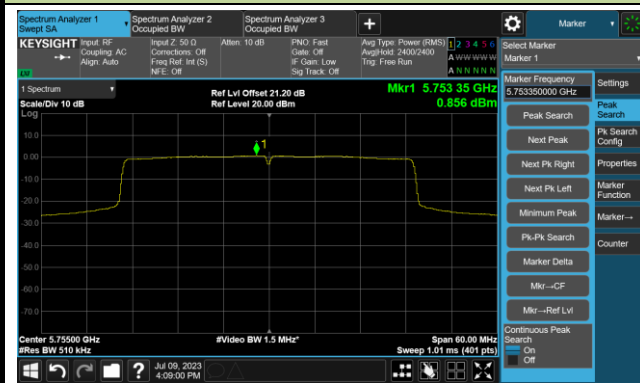
Channel 134 (5670MHz)



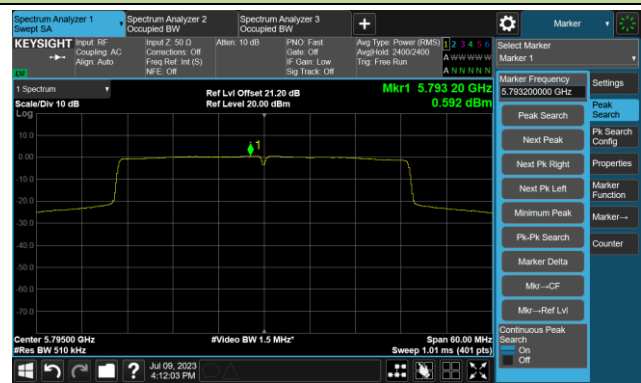
Channel 142(5710MHz)



Channel 151 (5755MHz)

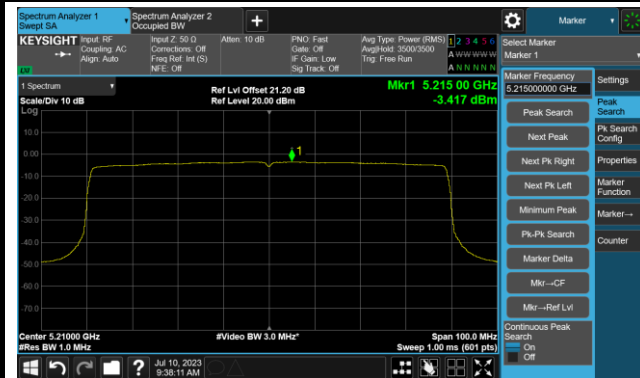


Channel 159 (5795MHz)

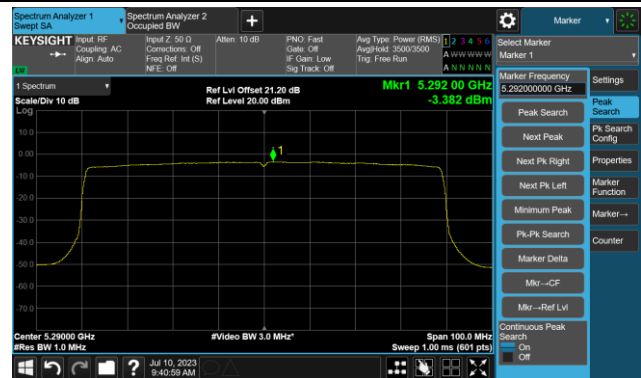


802.11ax-HE80 Power Spectral Density- Ant 0

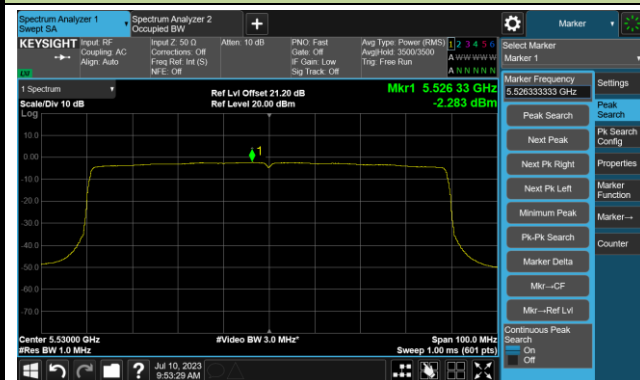
Channel 42 (5210MHz)



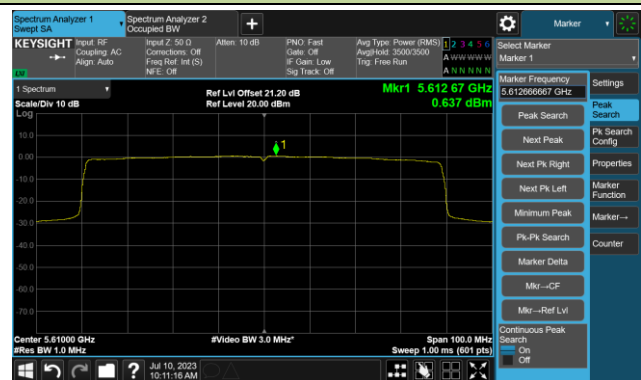
Channel 58 (5290MHz)



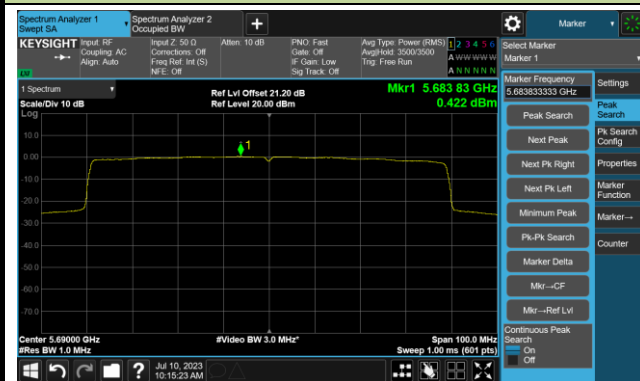
Channel 106 (5530MHz)



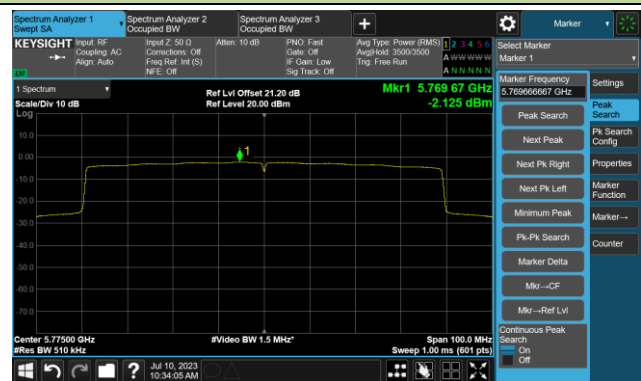
Channel 122 (5610MHz)



Channel 138 (5690MHz)

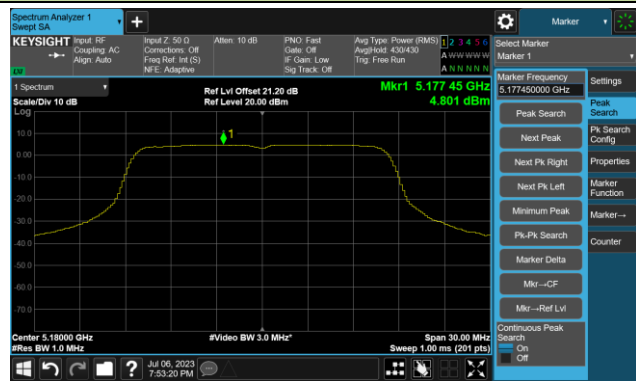


Channel 155 (5775MHz)

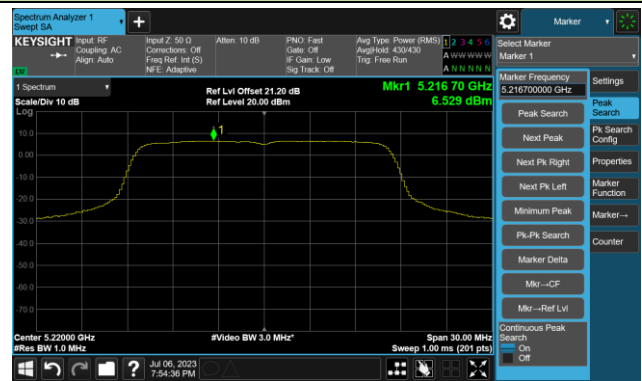


802.11a Power Spectral Density- Ant 1

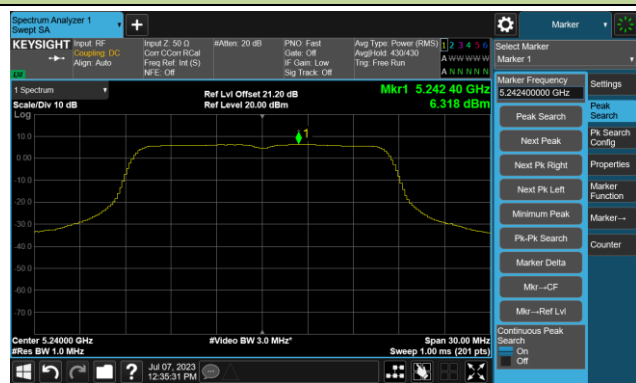
Channel 36 (5180MHz)



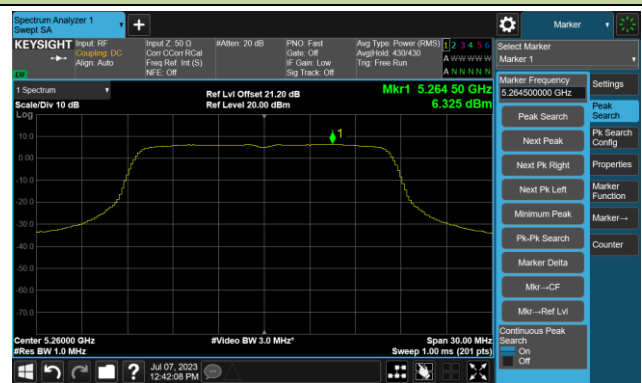
Channel 44 (5220MHz)



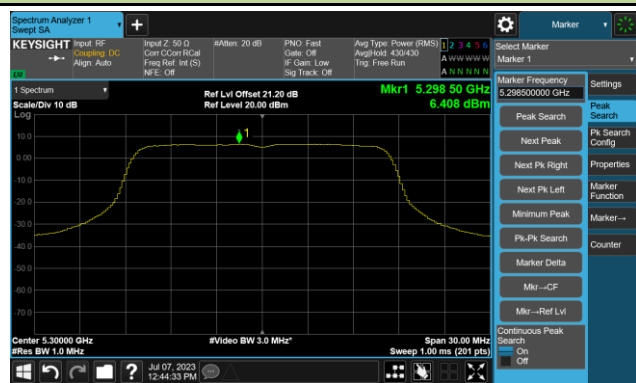
Channel 48 (5240MHz)



Channel 52 (5260MHz)



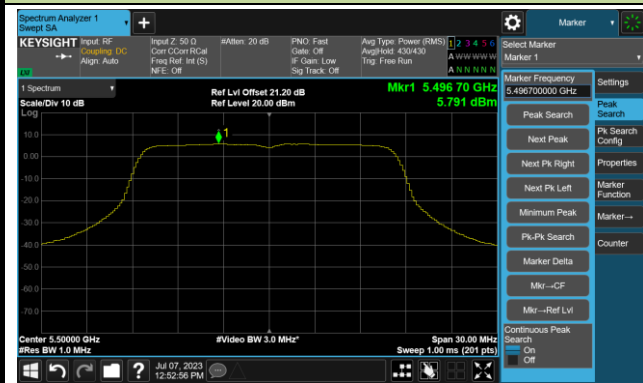
Channel 60 (5300MHz)



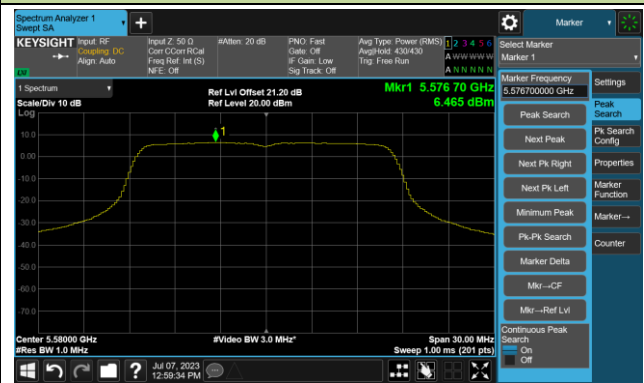
Channel 64 (5320MHz)



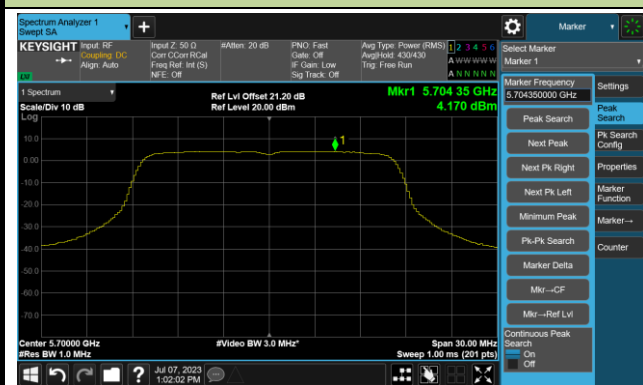
Channel 100 (5500MHz)



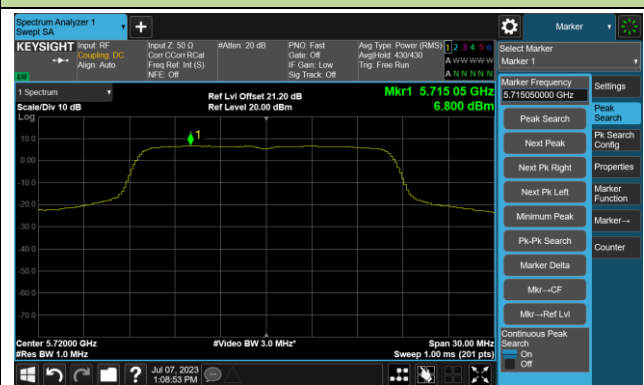
Channel 116 (5580MHz)



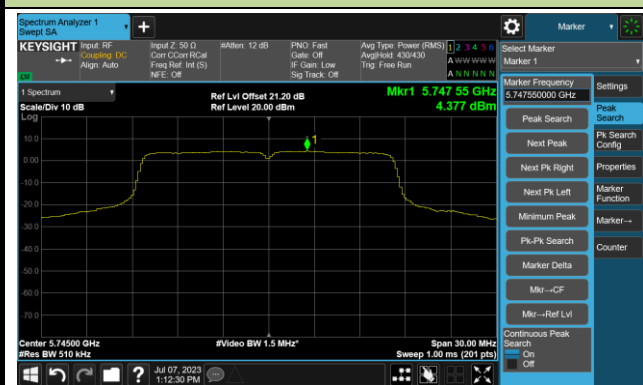
Channel 140 (5700MHz)



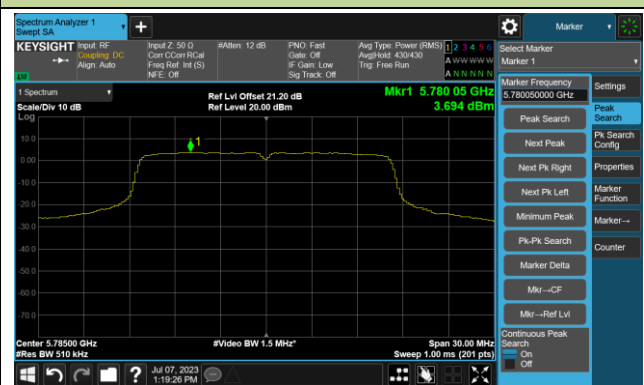
Channel 144(5720MHz)



Channel 149 (5745MHz)

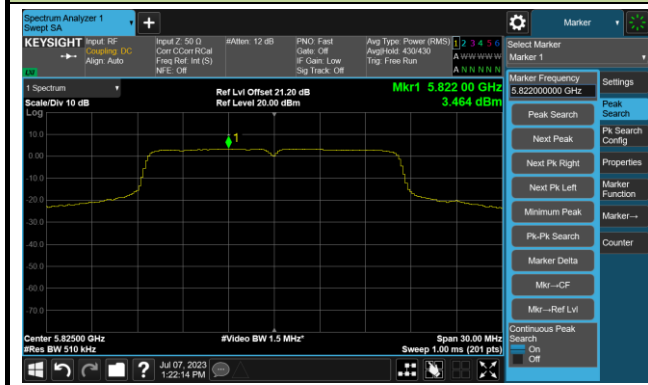


Channel 157 (5785MHz)



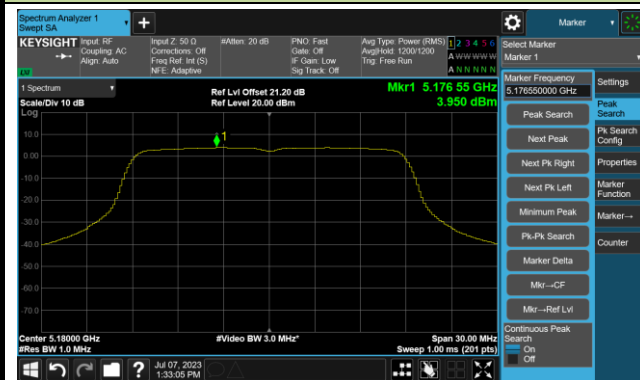
802.11a Power Spectral Density- Ant 1

Channel 165 (5825MHz)

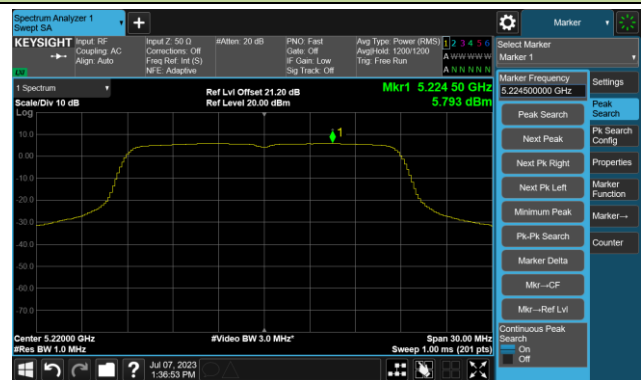


802.11ac-VHT20 Power Spectral Density- Ant 1

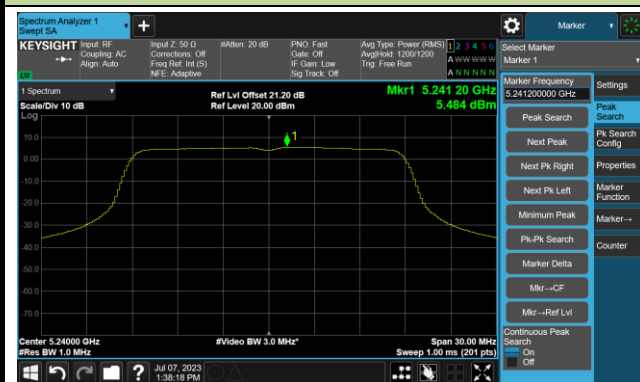
Channel 36 (5180MHz)



Channel 44 (5220MHz)



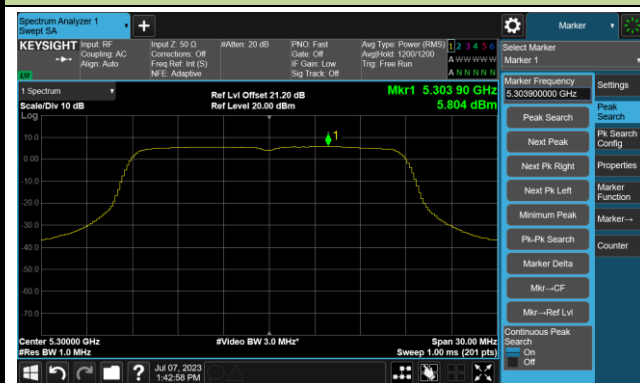
Channel 48 (5240MHz)



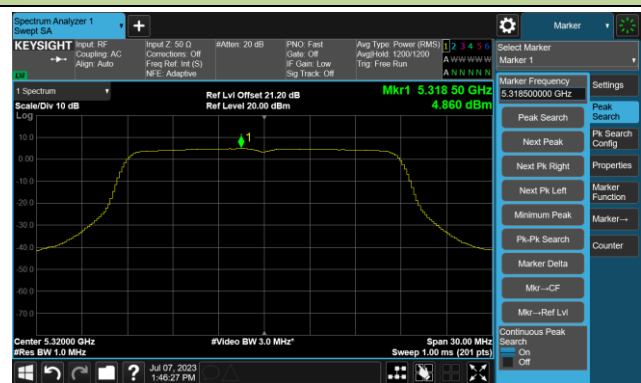
Channel 52 (5260MHz)



Channel 60 (5300MHz)



Channel 64 (5320MHz)

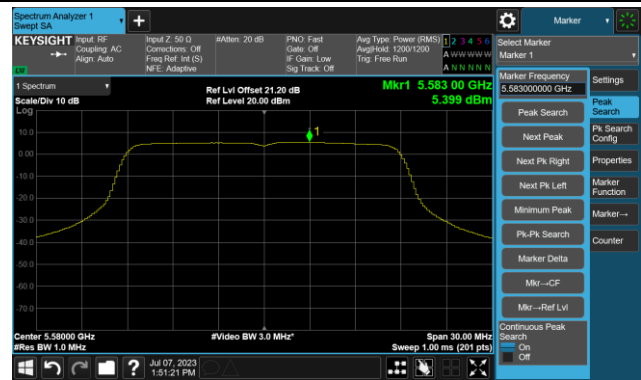


802.11ac-VHT20 Power Spectral Density- Ant 1

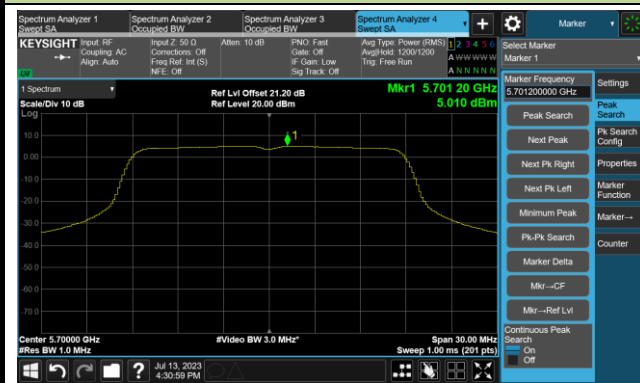
Channel 100 (5500MHz)



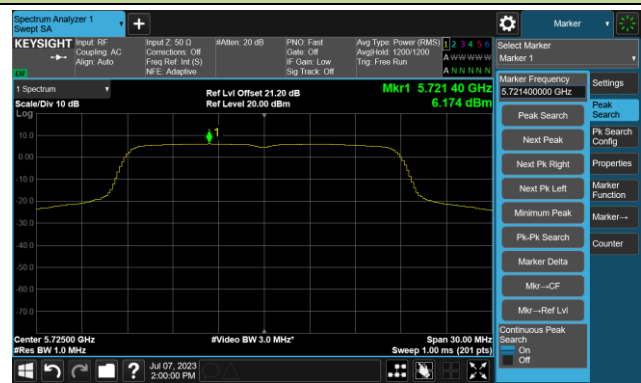
Channel 116 (5580MHz)



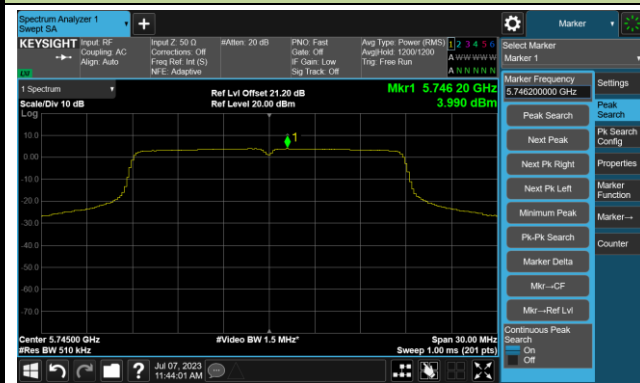
Channel 140 (5700MHz)



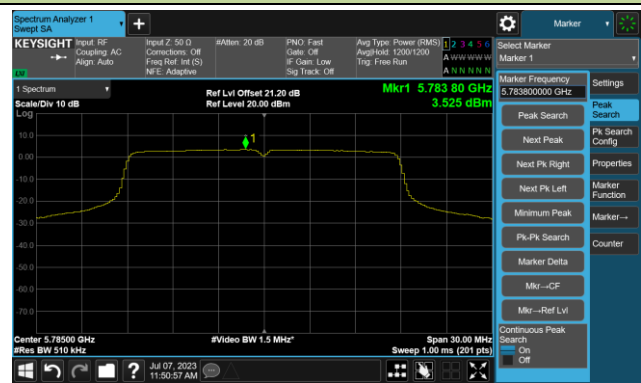
Channel 144(5720MHz)



Channel 149 (5745MHz)



Channel 157 (5785MHz)



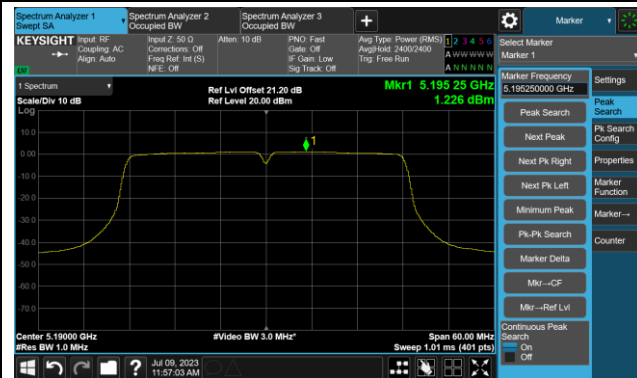
802.11ac-VHT20 Power Spectral Density- Ant 1

Channel 165 (5825MHz)

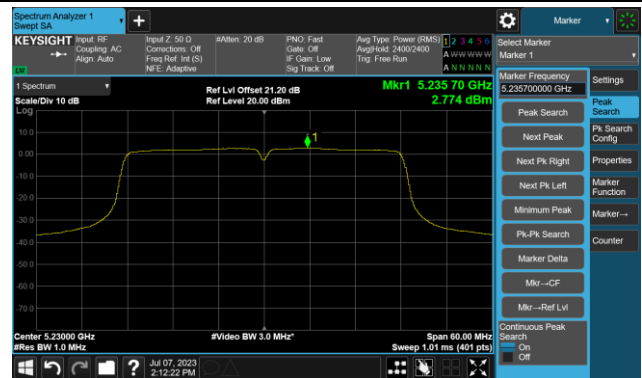


802.11ac-VHT40 Power Spectral Density- Ant 1

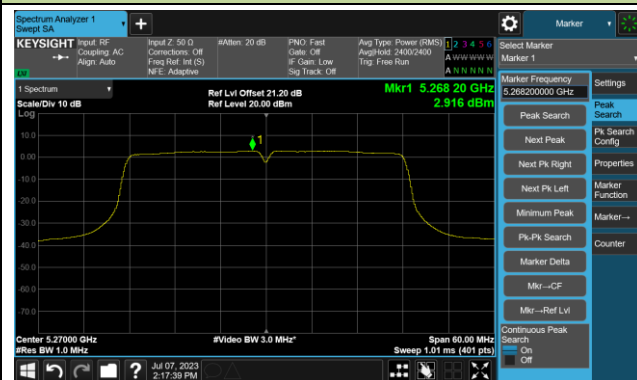
Channel 38 (5190MHz)



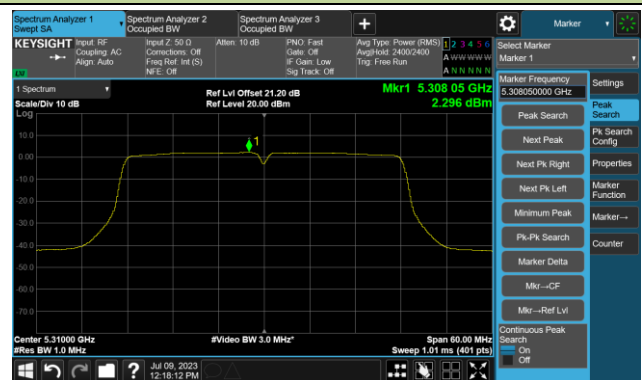
Channel 46 (5230MHz)



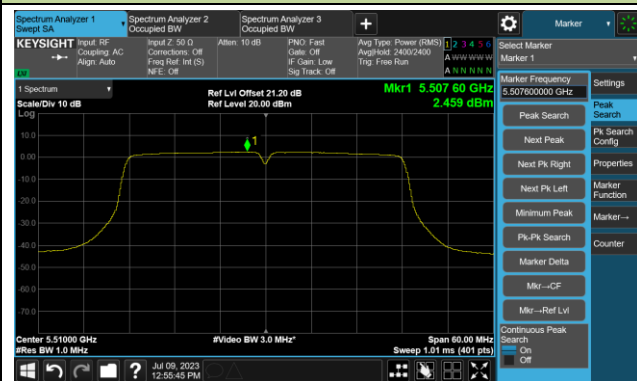
Channel 54 (5270MHz)



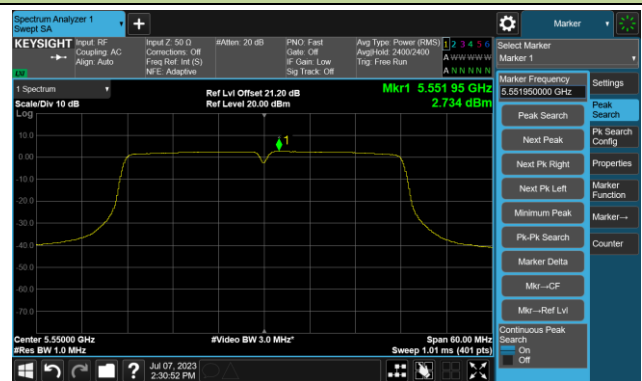
Channel 62 (5310MHz)



Channel 102 (5510MHz)

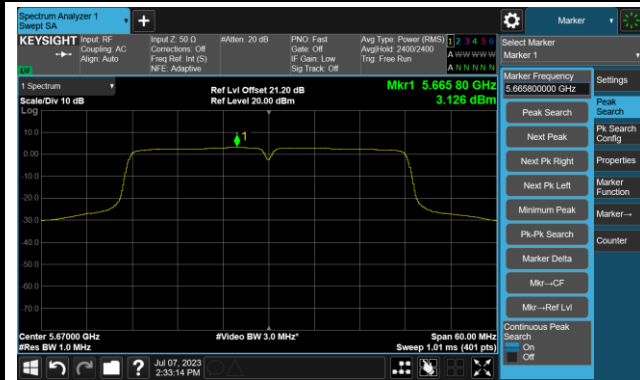


Channel 110 (5550MHz)

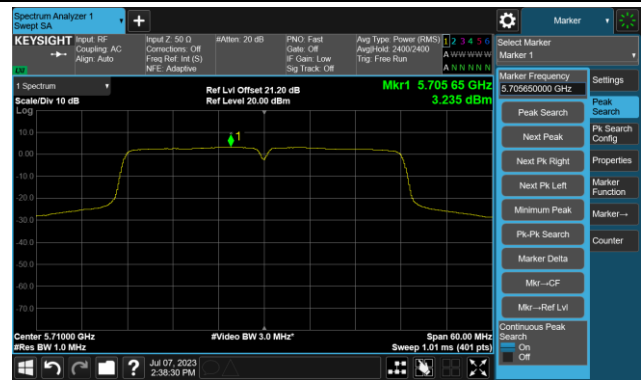


802.11ac-VHT40 Power Spectral Density- Ant 1

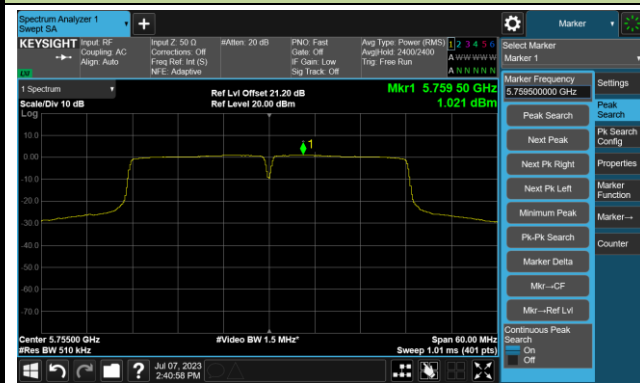
Channel 134 (5670MHz)



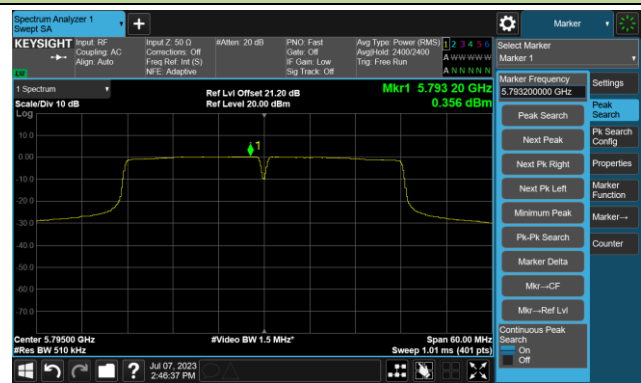
Channel 142(5710MHz)



Channel 151 (5755MHz)

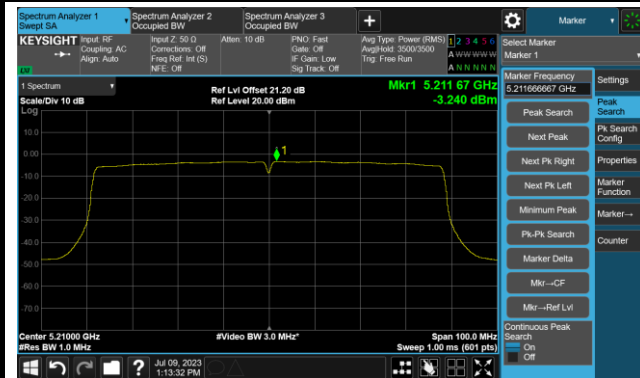


Channel 159 (5795MHz)

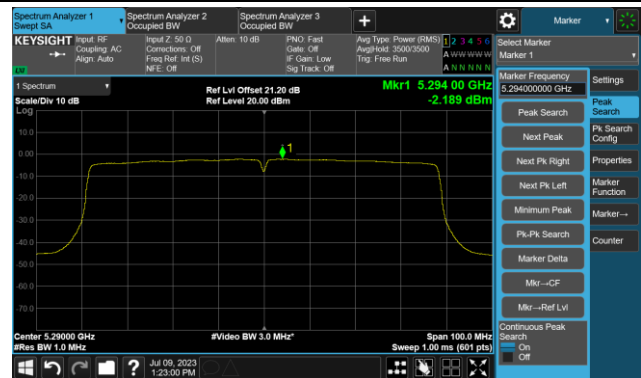


802.11ac-VHT80 Power Spectral Density- Ant 1

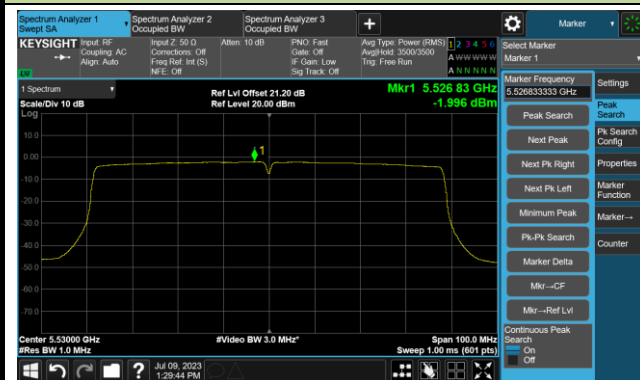
Channel 42 (5210MHz)



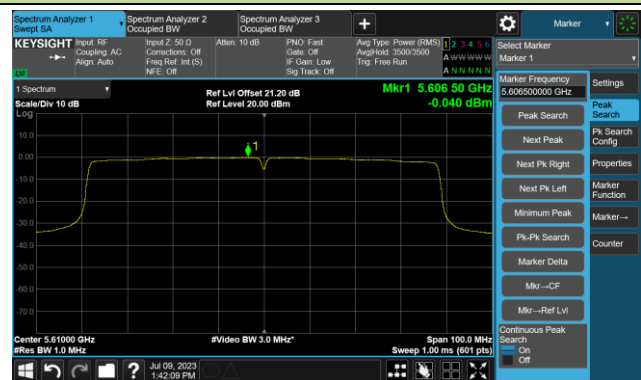
Channel 58 (5290MHz)



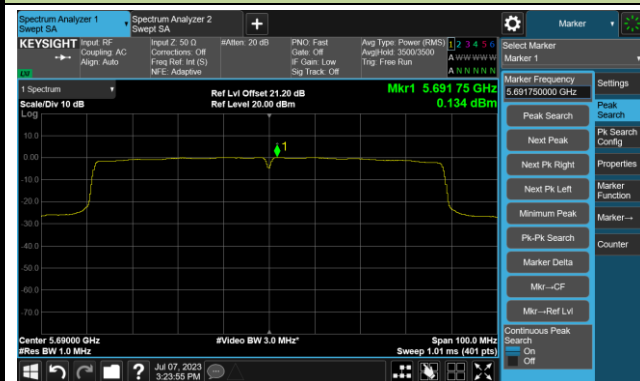
Channel 106 (5530MHz)



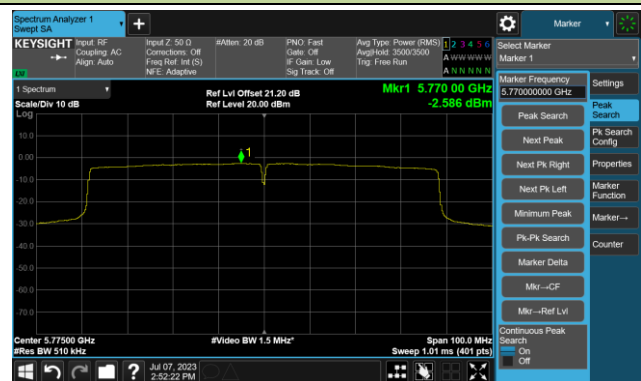
Channel 122 (5610MHz)



Channel 138 (5690MHz)

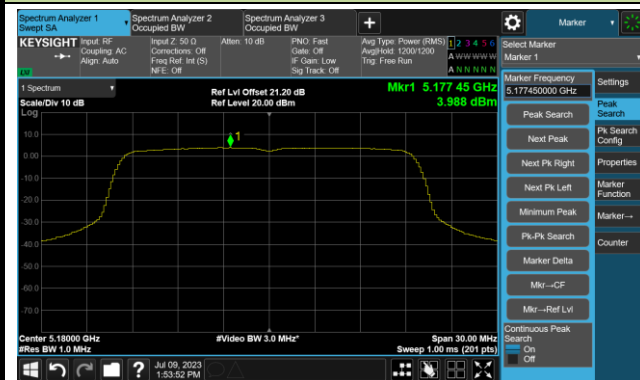


Channel 155 (5775MHz)

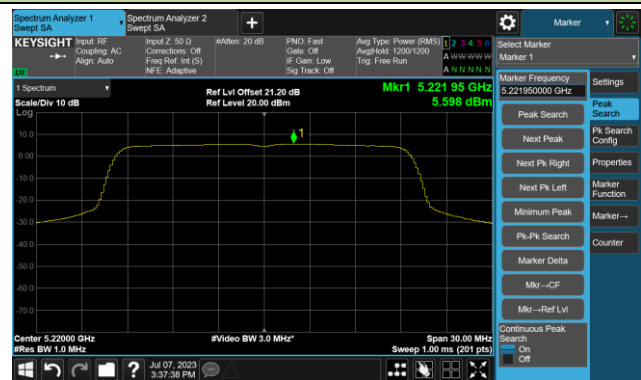


802.11ax-HE20 Power Spectral Density- Ant 1

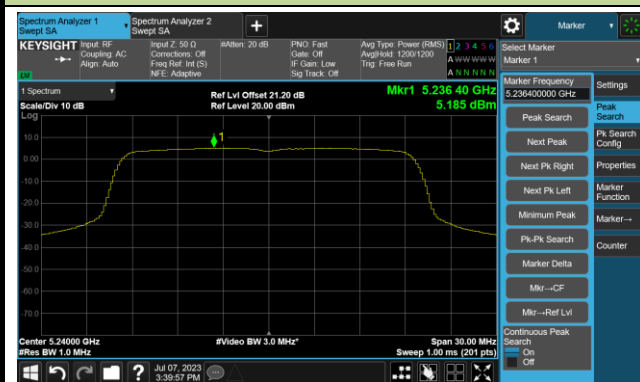
Channel 36 (5180MHz)



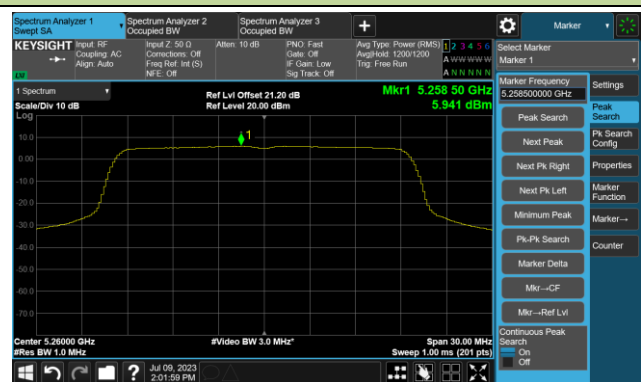
Channel 44 (5220MHz)



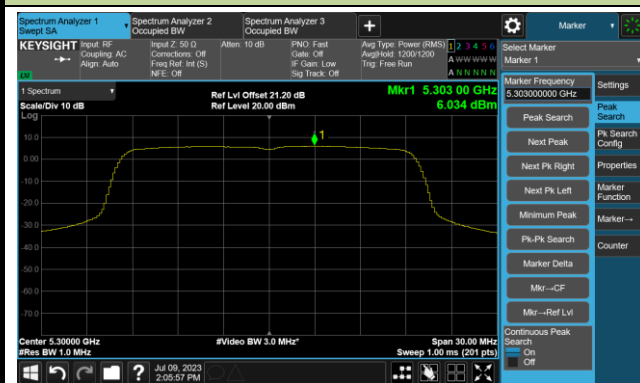
Channel 48 (5240MHz)



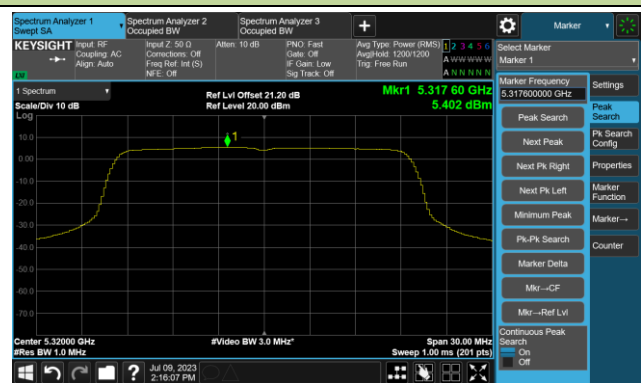
Channel 52 (5260MHz)



Channel 60 (5300MHz)



Channel 64 (5320MHz)

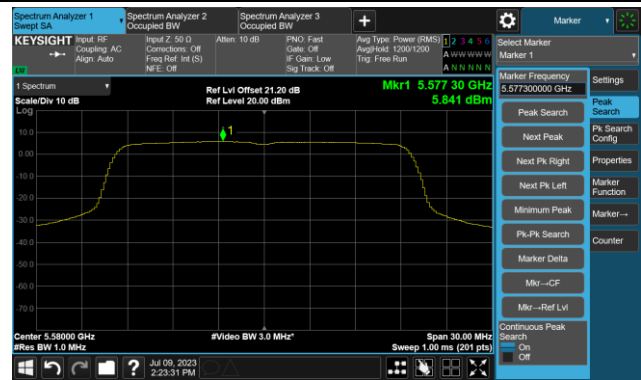


802.11ax-HE20 Power Spectral Density- Ant 1

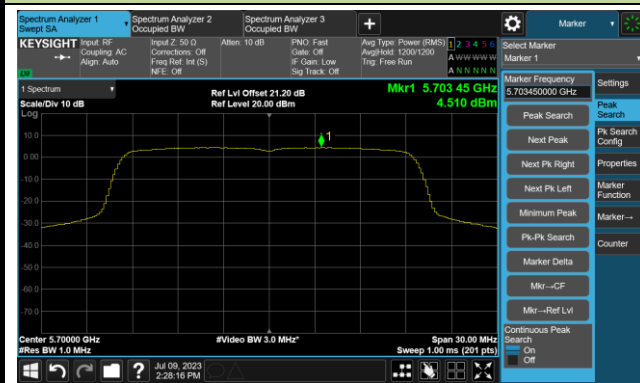
Channel 100 (5500MHz)



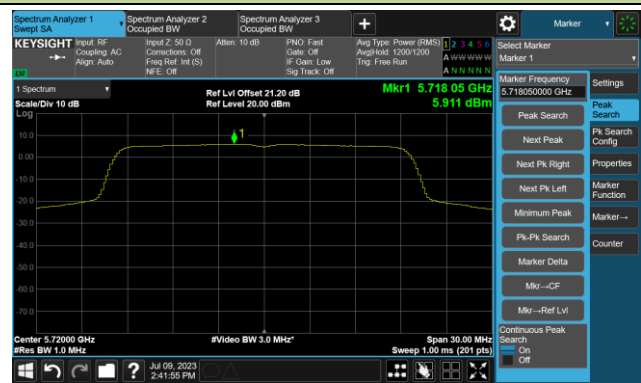
Channel 116 (5580MHz)



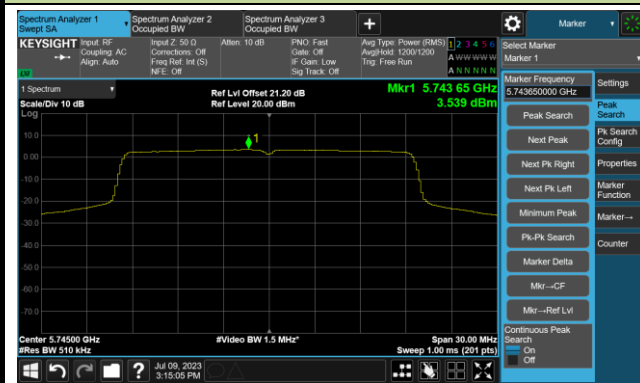
Channel 140 (5700MHz)



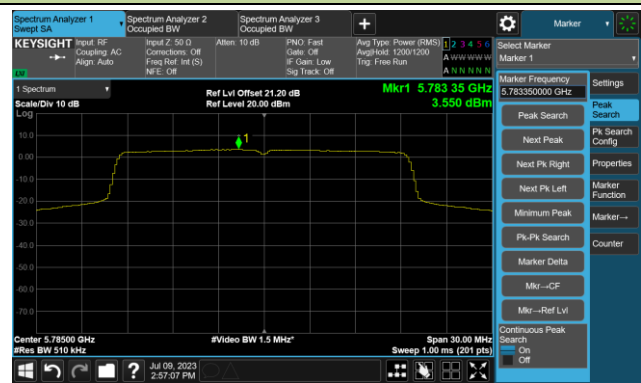
Channel 144(5720MHz)



Channel 149 (5745MHz)



Channel 157 (5785MHz)



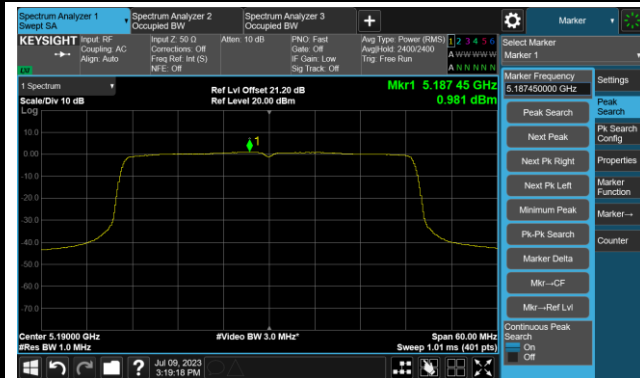
802.11ax-HE20 Power Spectral Density- Ant 1

Channel 165 (5825MHz)

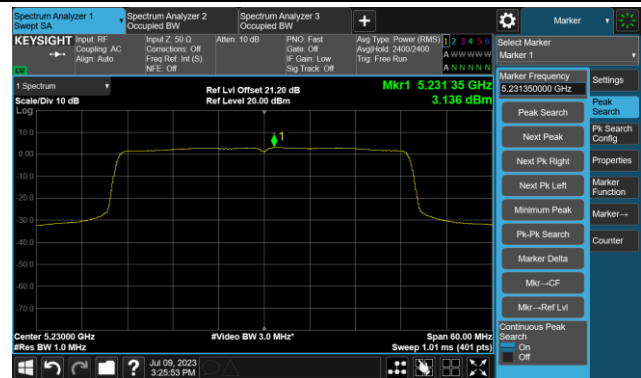


802.11ax-HE40 Power Spectral Density- Ant 1

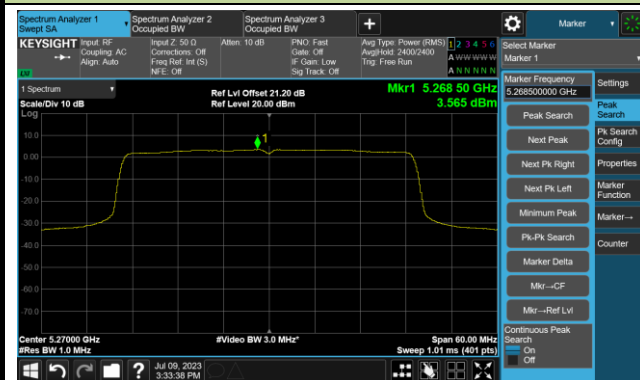
Channel 38 (5190MHz)



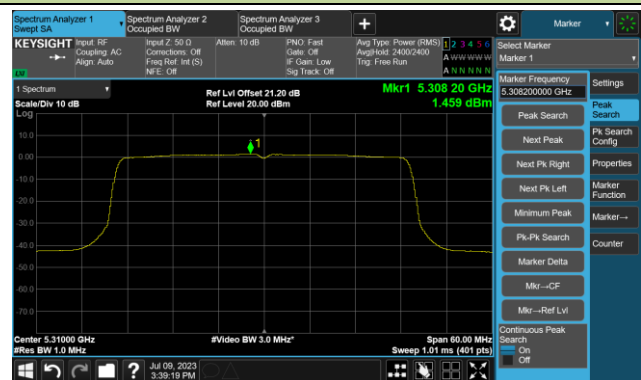
Channel 46 (5230MHz)



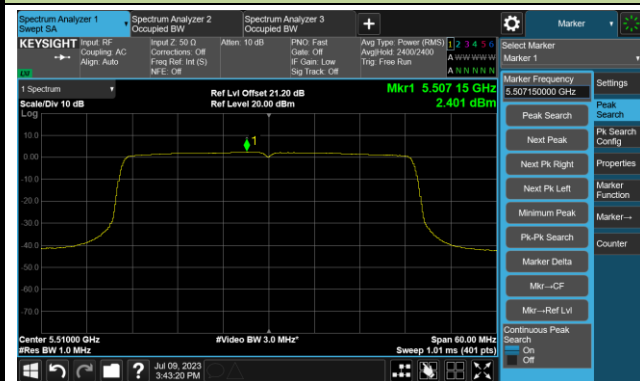
Channel 54 (5270MHz)



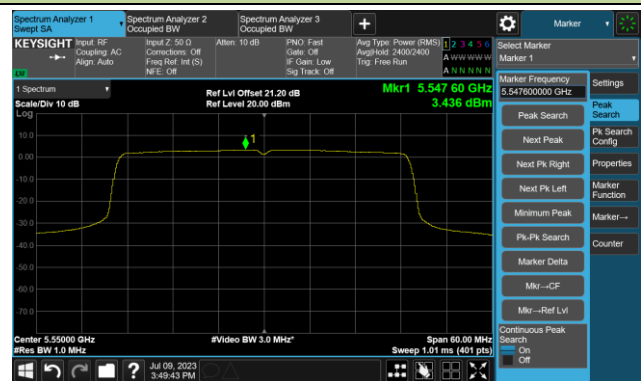
Channel 62 (5310MHz)



Channel 102 (5510MHz)

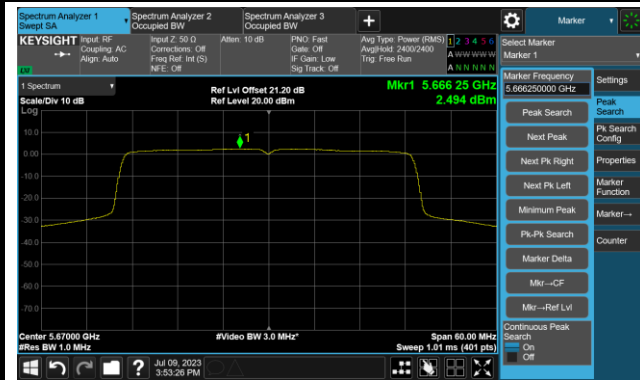


Channel 110 (5550MHz)

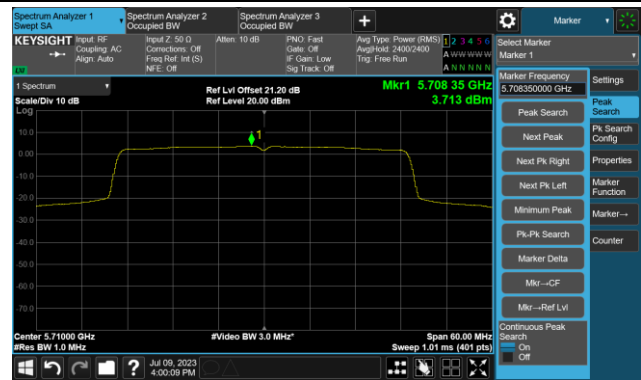


802.11ax-HE40 Power Spectral Density- Ant 1

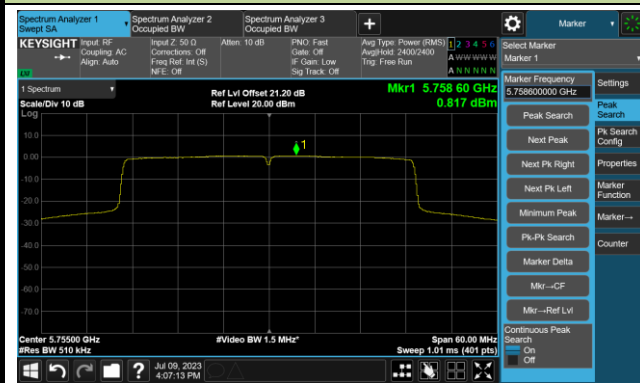
Channel 134 (5670MHz)



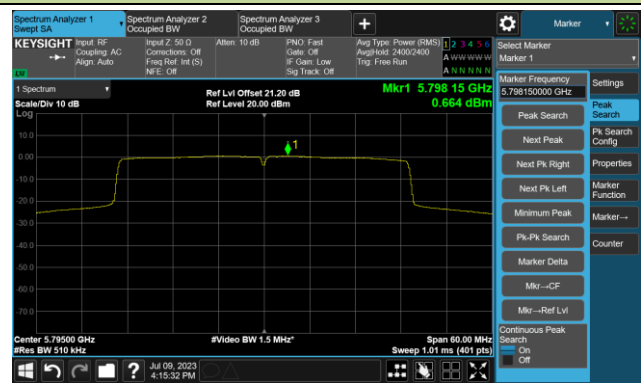
Channel 142(5710MHz)



Channel 151 (5755MHz)

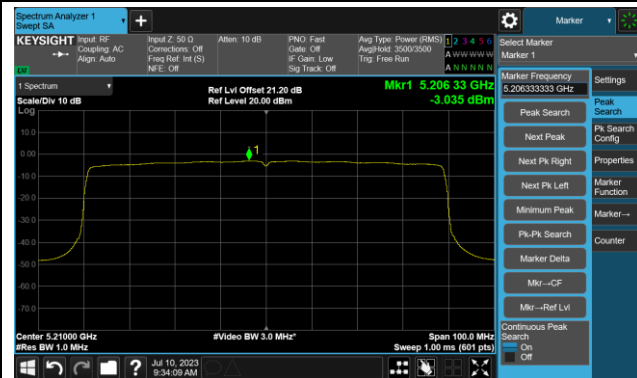


Channel 159 (5795MHz)

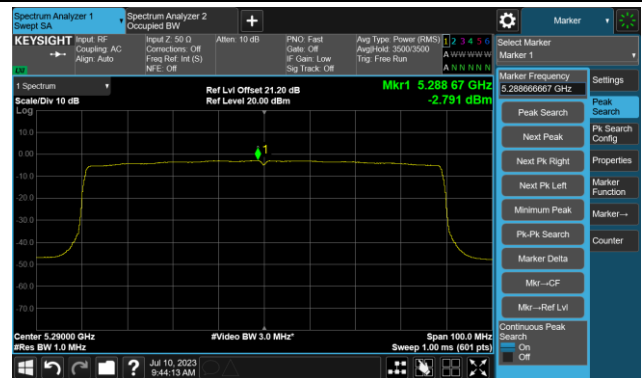


802.11ax-HE80 Power Spectral Density- Ant 1

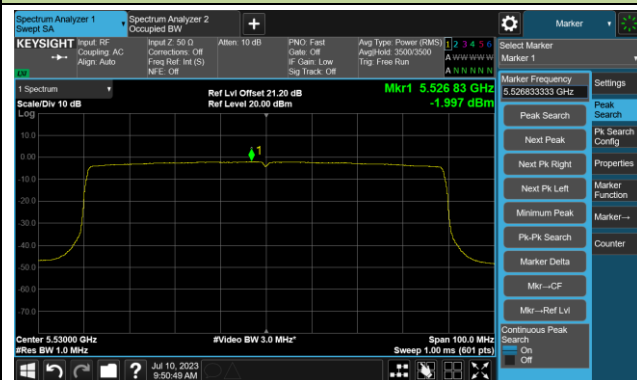
Channel 42 (5210MHz)



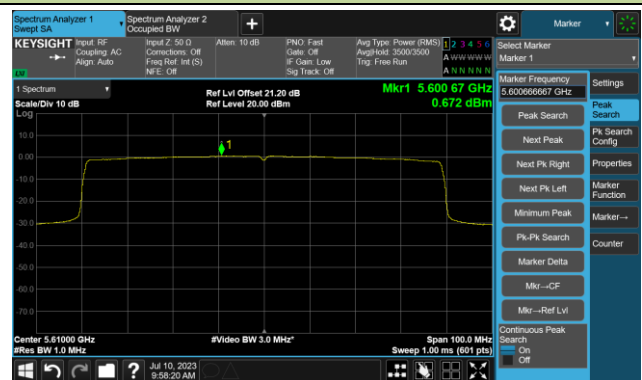
Channel 58 (5290MHz)



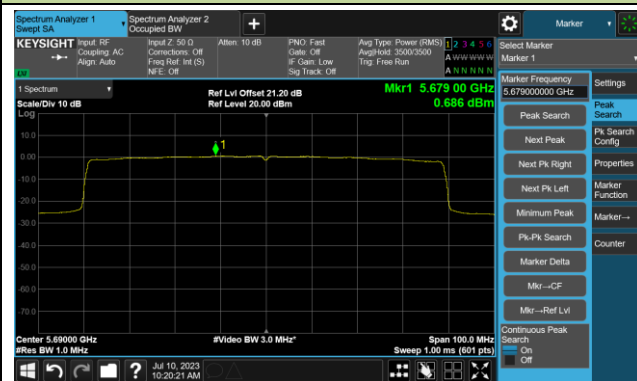
Channel 106 (5530MHz)



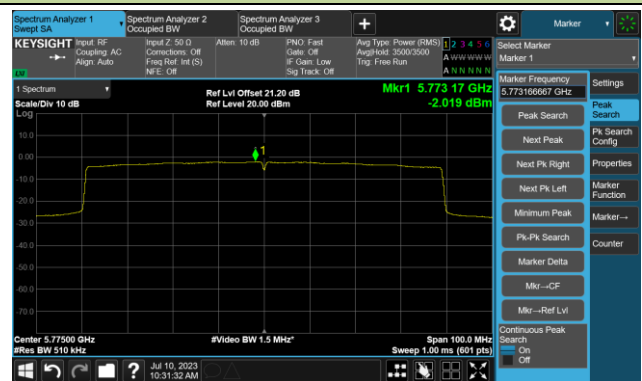
Channel 122 (5610MHz)



Channel 138 (5690MHz)



Channel 155 (5775MHz)



A.6 Frequency Stability Test Result

Test Site	WZ-TR3	Test Engineer	Liz Yuan
Test Date	2023-07-19~2023-07-20	Test Mode	5180MHz (Carrier Mode)

Voltage (%)	Power (VAC)	Temp (°C)	Frequency Tolerance (ppm)			
			0 minutes	2 minutes	5 minutes	10 minutes
100	120	- 30	19.01	19.01	19.01	19.01
		- 20	19.49	19.54	19.54	19.54
		- 10	14.99	16.32	16.67	16.90
		0	8.54	8.59	8.68	8.73
		+ 10	40.33	40.47	40.57	40.66
		+ 20	1.59	1.69	1.74	1.79
		+ 30	-0.97	-0.39	-0.39	-0.39
		+ 40	-4.92	-4.63	-4.53	-4.20
		+ 50	-4.60	-5.09	-5.11	-5.11
115	138	+ 20	17.41	17.27	17.13	17.03
85	102	+ 20	16.93	16.88	16.79	16.74

Note: Frequency Tolerance (ppm) = {[Measured Frequency (Hz) - Declared Frequency (Hz)] / Declared Frequency (Hz)} *10⁶.

A.7 Radiated Spurious Emission Test Result

AP-ANT-311

Test Site	WZ-AC2	Test Engineer	Bob Zhang
Test Date	2023-07-28	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
*	10401.0	31.8	14.9	46.7	68.2	-21.5	Peak	Horizontal
	11072.5	30.8	16.4	47.2	74.0	-26.8	Peak	Horizontal
	12254.0	31.5	17.5	49.0	74.0	-25.0	Peak	Horizontal
*	13605.5	31.5	18.6	50.1	68.2	-18.1	Peak	Horizontal
*	10358.5	37.0	14.9	51.9	68.2	-16.3	Peak	Vertical
	11480.5	31.4	17.5	48.9	74.0	-25.1	Peak	Vertical
	11897.0	29.4	17.3	46.7	74.0	-27.3	Peak	Vertical
*	13911.5	29.9	18.2	48.1	68.2	-20.1	Peak	Vertical

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

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

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

Test Site	WZ-AC2	Test Engineer	Bob Zhang
Test Date	2023-07-28	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
*	10265.0	31.8	14.4	46.2	68.2	-22.0	Peak	Horizontal
	11650.5	31.3	17.8	49.1	74.0	-24.9	Peak	Horizontal
	12441.0	29.9	16.6	46.5	74.0	-27.5	Peak	Horizontal
*	13792.5	29.7	18.5	48.2	68.2	-20.0	Peak	Horizontal
*	10443.5	37.0	15.3	52.3	68.2	-15.9	Peak	Vertical
	11174.5	30.4	16.9	47.3	74.0	-26.7	Peak	Vertical
	11523.0	32.3	17.1	49.4	74.0	-24.6	Peak	Vertical
*	14107.0	31.3	19.2	50.5	68.2	-17.7	Peak	Vertical

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

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

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

Test Site	WZ-AC2	Test Engineer	Bob Zhang
Test Date	2023-07-28	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
	11557.0	31.5	17.8	49.3	74.0	-24.7	Peak	Horizontal
*	13631.0	31.6	19.0	50.6	68.2	-17.6	Peak	Horizontal
*	14132.5	30.9	19.3	50.2	68.2	-18.0	Peak	Horizontal
	15603.0	30.3	17.8	48.1	74.0	-25.9	Peak	Horizontal
*	9993.0	31.8	13.6	45.4	68.2	-22.8	Peak	Vertical
	11259.5	31.6	17.0	48.6	74.0	-25.4	Peak	Vertical
	12109.5	30.0	16.8	46.8	74.0	-27.2	Peak	Vertical
*	13852.0	30.2	18.7	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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB/m)

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

Test Site	WZ-AC2	Test Engineer	Bob Zhang
Test Date	2023-07-28	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
	11106.5	32.2	16.6	48.8	74.0	-25.2	Peak	Horizontal
	11531.5	30.7	17.3	48.0	74.0	-26.0	Peak	Horizontal
*	14064.5	32.4	19.1	51.5	68.2	-16.7	Peak	Horizontal
*	14863.5	31.6	19.9	51.5	68.2	-16.7	Peak	Horizontal
*	10528.5	34.8	15.1	49.9	68.2	-18.3	Peak	Vertical
	11327.5	30.7	17.3	48.0	74.0	-26.0	Peak	Vertical
	11914.0	32.2	17.2	49.4	74.0	-24.6	Peak	Vertical
*	13733.0	30.2	18.7	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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB/m)

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

Test Site	WZ-AC2	Test Engineer	Bob Zhang
Test Date	2023-07-28	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
*	9772.0	31.8	13.4	45.2	68.2	-23.0	Peak	Horizontal
*	10171.5	31.8	14.0	45.8	68.2	-22.4	Peak	Horizontal
	11531.5	30.1	17.3	47.4	74.0	-26.6	Peak	Horizontal
	12007.5	30.3	16.8	47.1	74.0	-26.9	Peak	Horizontal
*	10171.5	32.0	14.0	46.0	68.2	-22.2	Peak	Vertical
	11480.5	31.5	17.5	49.0	74.0	-25.0	Peak	Vertical
	12220.0	31.6	17.4	49.0	74.0	-25.0	Peak	Vertical
*	14234.5	30.9	19.3	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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB/m)

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

Test Site	WZ-AC2	Test Engineer	Bob Zhang
Test Date	2023-07-28	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
*	9993.0	31.1	13.6	44.7	68.2	-23.5	Peak	Horizontal
*	10537.0	31.7	15.0	46.7	68.2	-21.5	Peak	Horizontal
	11081.0	32.5	16.6	49.1	74.0	-24.9	Peak	Horizontal
	11557.0	32.4	17.8	50.2	74.0	-23.8	Peak	Horizontal
	11166.0	32.3	16.9	49.2	74.0	-24.8	Peak	Vertical
	11557.0	31.7	17.8	49.5	74.0	-24.5	Peak	Vertical
*	13537.5	30.6	19.0	49.6	68.2	-18.6	Peak	Vertical
*	14098.5	29.6	19.1	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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB/m)

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

Test Site	WZ-AC2	Test Engineer	Bob Zhang
Test Date	2023-07-28	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
	11004.5	35.0	16.4	51.4	74.0	-22.6	Peak	Horizontal
	11004.5	29.3	16.4	45.7	54.0	-8.3	AV	Horizontal
	12305.0	32.5	17.6	50.1	74.0	-23.9	Peak	Horizontal
*	13648.0	31.6	19.0	50.6	68.2	-17.6	Peak	Horizontal
*	14141.0	31.5	19.3	50.8	68.2	-17.4	Peak	Horizontal
*	9899.5	32.2	13.5	45.7	68.2	-22.5	Peak	Vertical
	10996.0	34.5	16.3	50.8	74.0	-23.2	Peak	Vertical
	12194.5	30.2	17.7	47.9	74.0	-26.1	Peak	Vertical
*	13792.5	30.4	18.5	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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB/m)

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