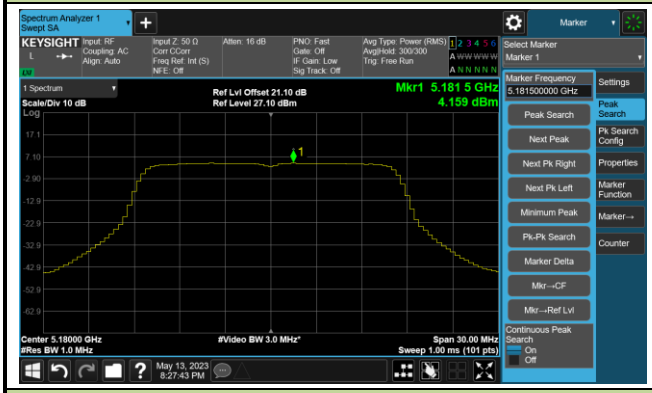
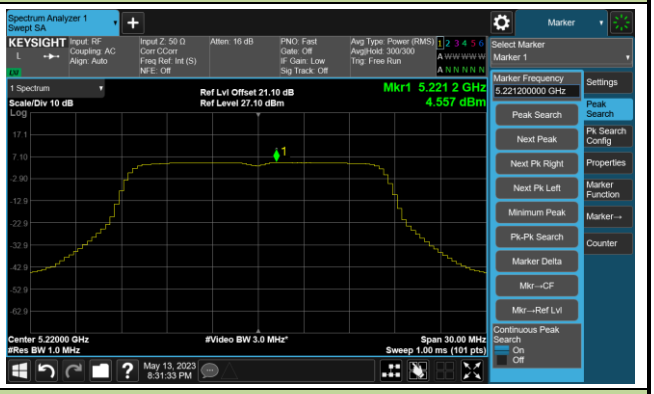
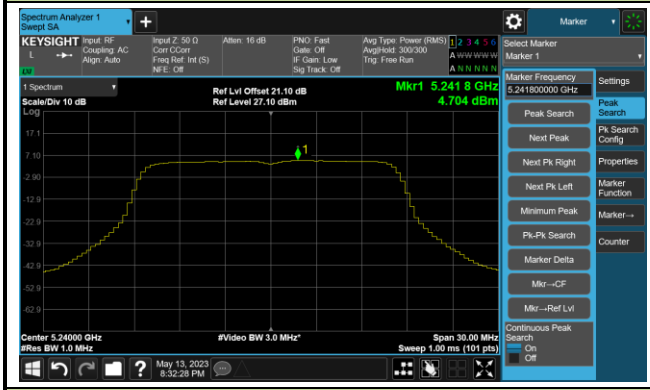
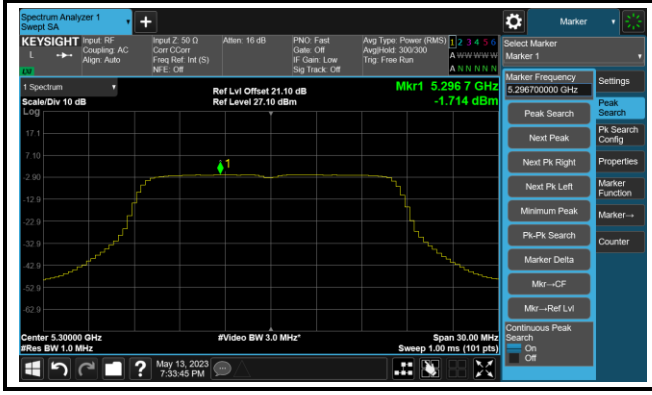
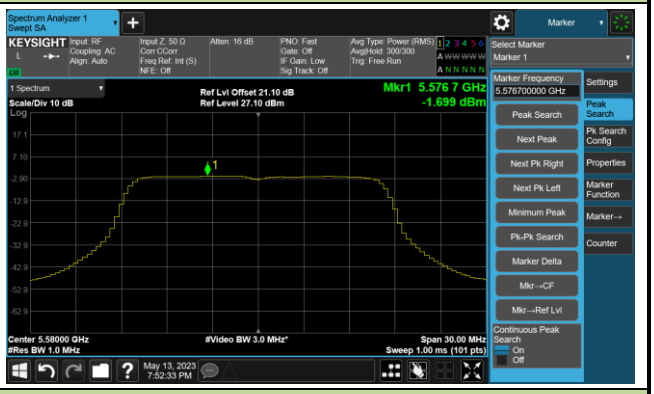
802.11a Power Spectral Density- Master Mode Ant 3	
Channel 36 (5180MHz)	Channel 44 (5220MHz)
	
Channel 48 (5240MHz)	Channel 52 (5260MHz)
	
Channel 60 (5300MHz)	Channel 64 (5320MHz)
	

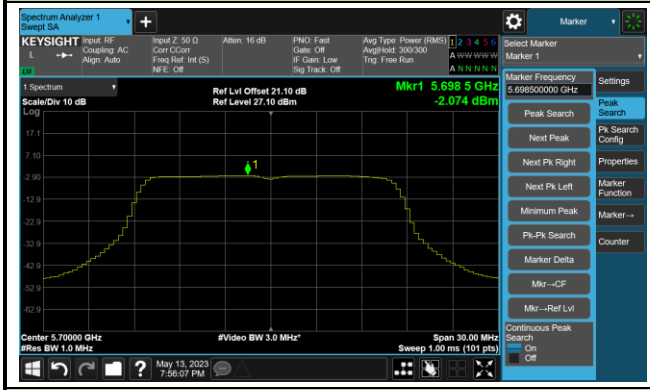
802.11a Power Spectral Density- Master Mode Ant 3

Channel 100 (5500MHz)

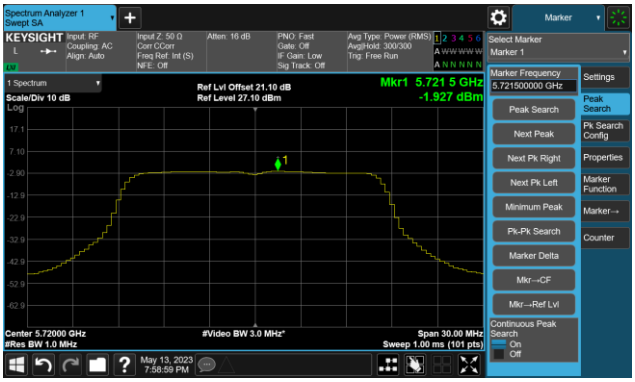
Channel 116 (5580MHz)



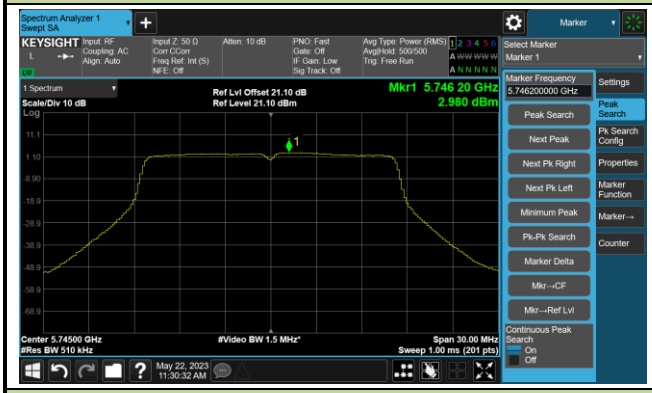
Channel 140 (5700MHz)



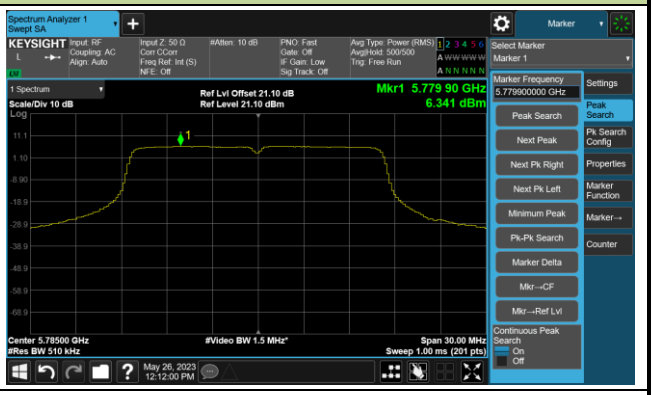
Channel 144(5720MHz)



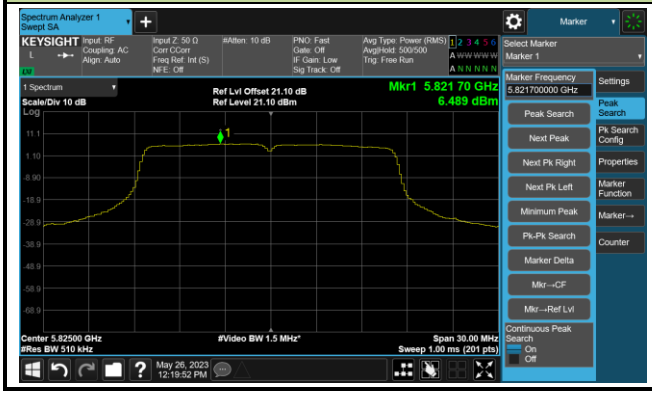
Channel 149 (5745MHz)

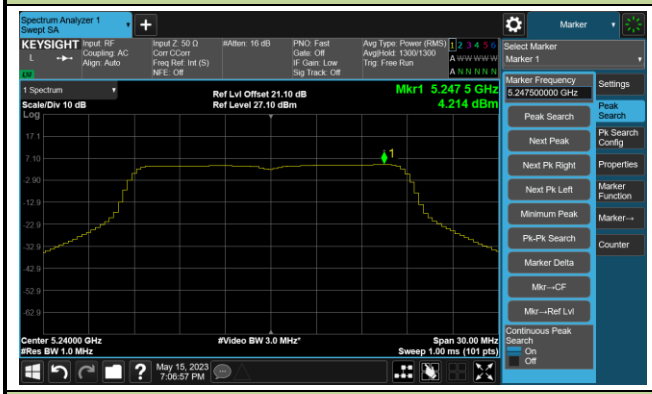
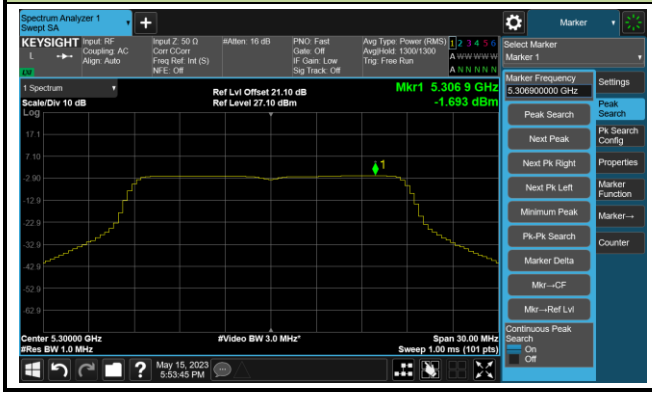


Channel 157 (5785MHz)



Channel 165 (5825MHz)



802.11ac-VHT20 Power Spectral Density- Master Mode Ant 3	
Channel 36 (5180MHz)	Channel 44 (5220MHz)
Channel 48 (5240MHz)	Channel 52 (5260MHz)
	
Channel 60 (5300MHz)	Channel 64 (5320MHz)
	

802.11ac-VHT20 Power Spectral Density- Master Mode Ant 3

Channel 100 (5500MHz)

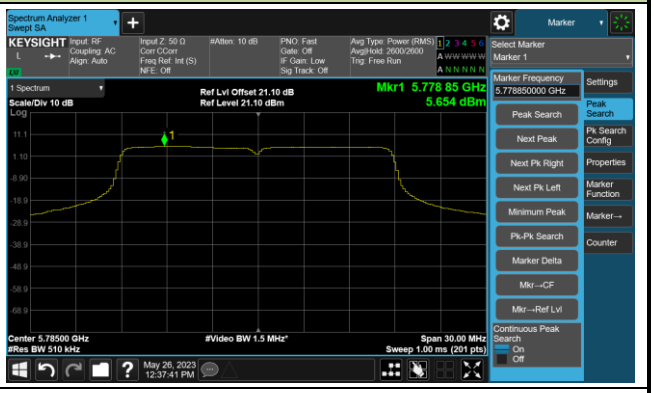
Channel 116 (5580MHz)

Channel 140 (5700MHz)

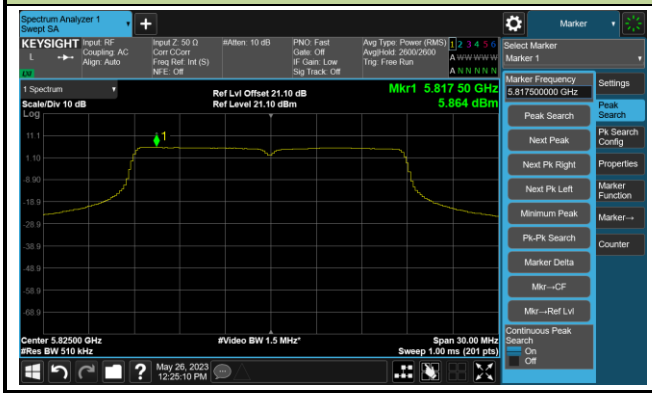
Channel 144(5720MHz)

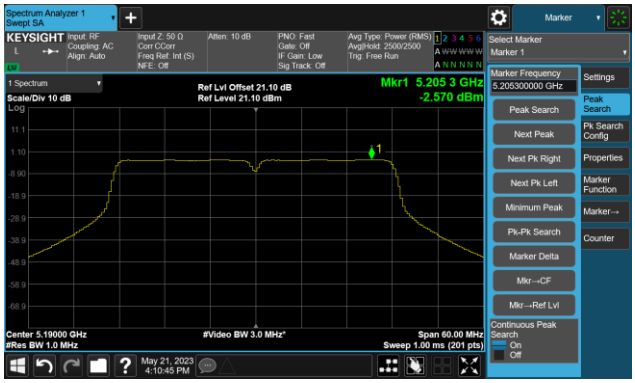
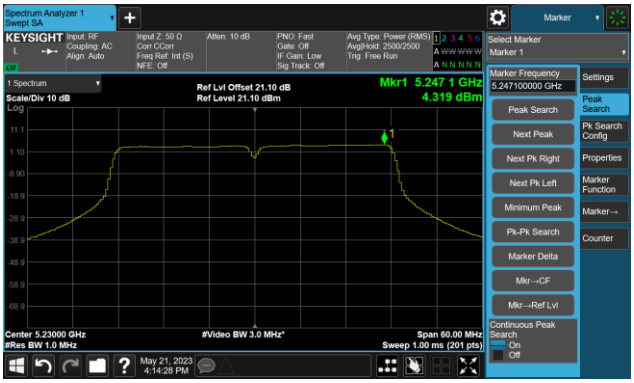
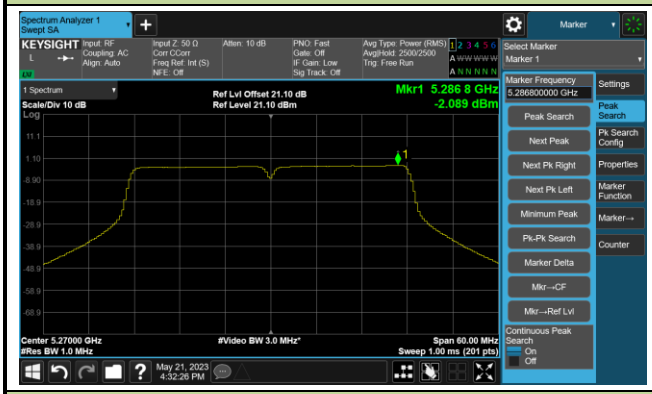
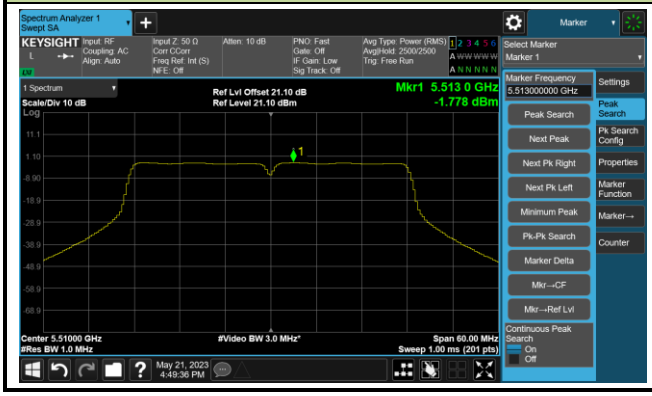
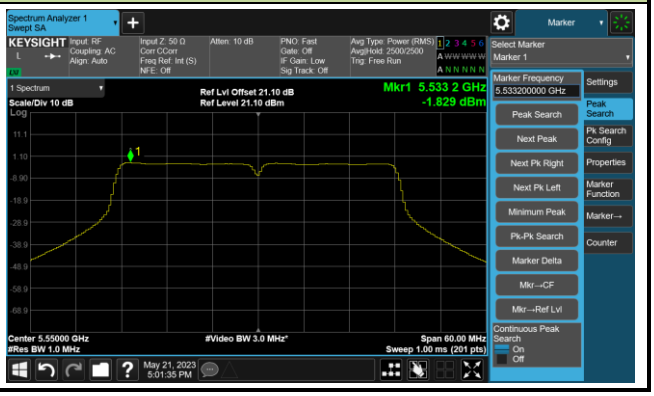
Channel 149 (5745MHz)

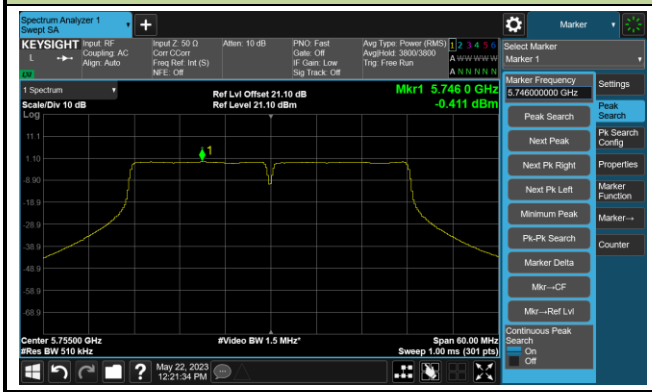
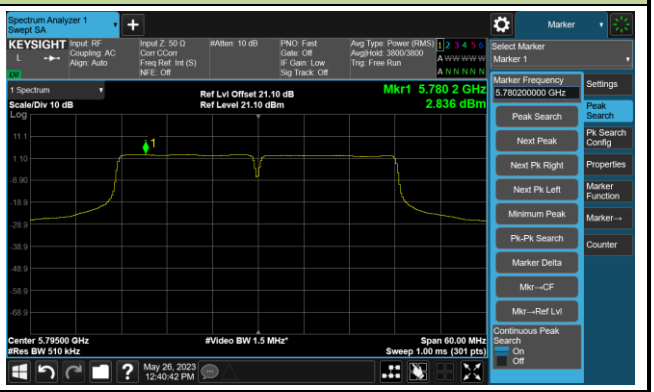
Channel 157 (5785MHz)

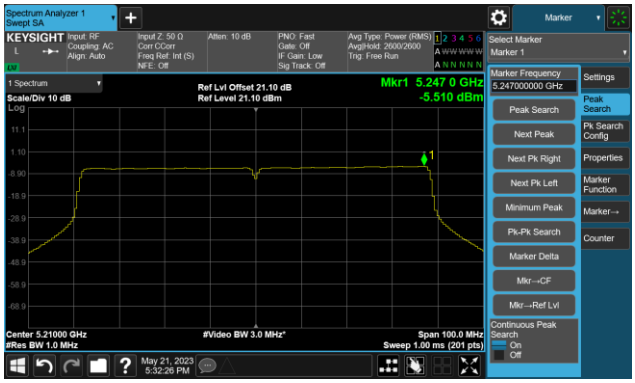
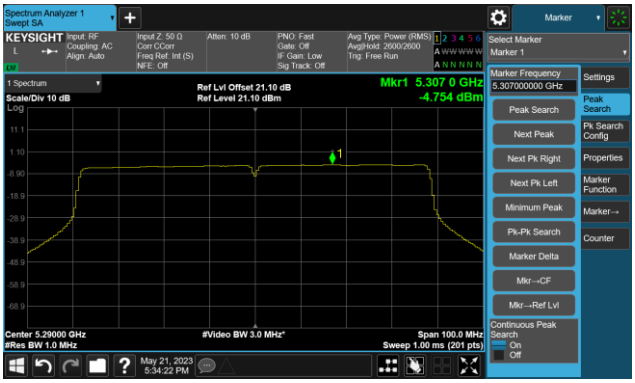
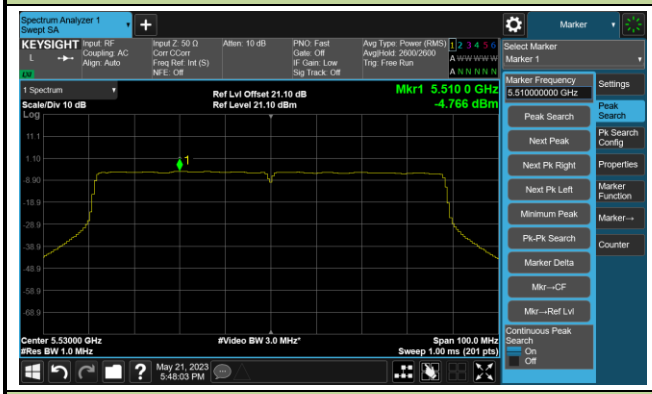
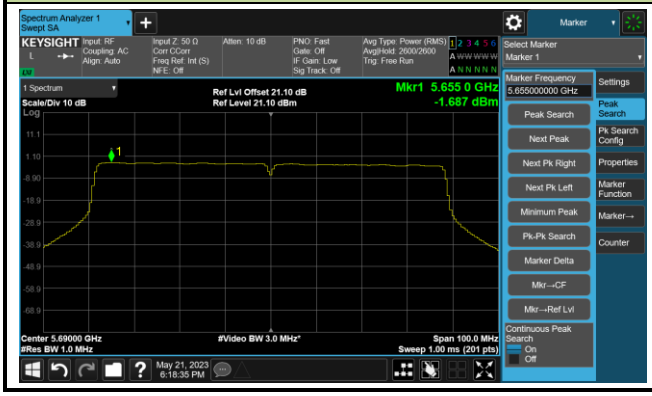


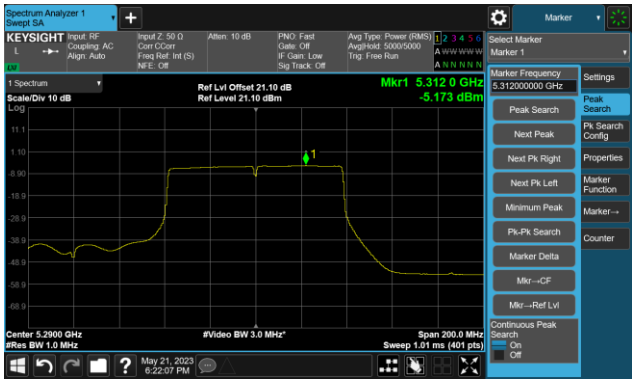
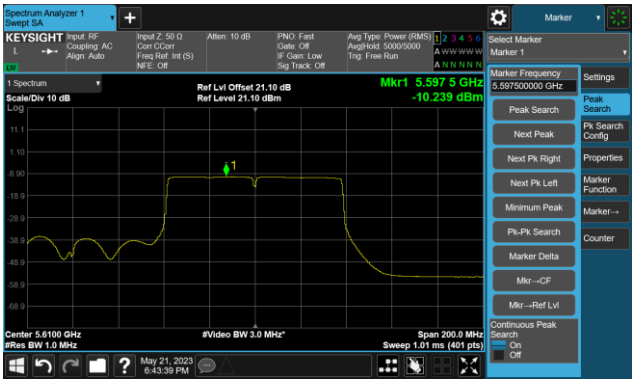
Channel 165 (5825MHz)



802.11ac-VHT40 Power Spectral Density- Master Mode Ant 3	
Channel 38 (5190MHz)	Channel 46 (5230MHz)
	
Channel 54 (5270MHz)	Channel 62 (5310MHz)
	
Channel 102 (5510MHz)	Channel 110 (5550MHz)
	

802.11ac-VHT40 Power Spectral Density- Master Mode Ant 3	
Channel 134 (5670MHz)	Channel 142(5710MHz)
Channel 151 (5755MHz)	Channel 159 (5795MHz)
	

802.11ac-VHT80 Power Spectral Density- Master Mode Ant 3	
Channel 42 (5210MHz)	Channel 58 (5290MHz)
	
Channel 106 (5530MHz)	Channel 122 (5610MHz)
	
Channel 138 (5690MHz)	Channel 155 (5775MHz)
	

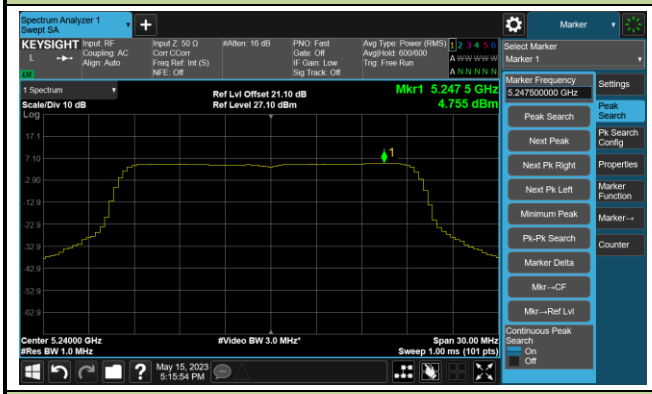
802.11ac-VHT80+80 Power Spectral Density- Master Mode Ant 3	
Channel 42+58 (5210+5290MHz)	Channel 106+122 (5530+5610MHz)
	

802.11ax-HE20 Power Spectral Density- Master Mode Ant 3

Channel 36 (5180MHz)

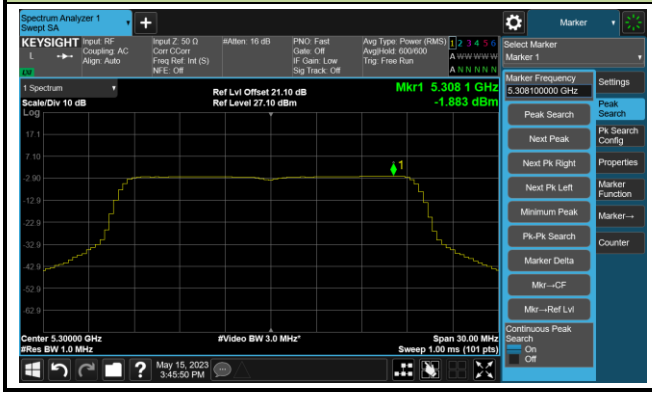
Channel 44 (5220MHz)

Channel 48 (5240MHz)



Channel 52 (5260MHz)

Channel 60 (5300MHz)



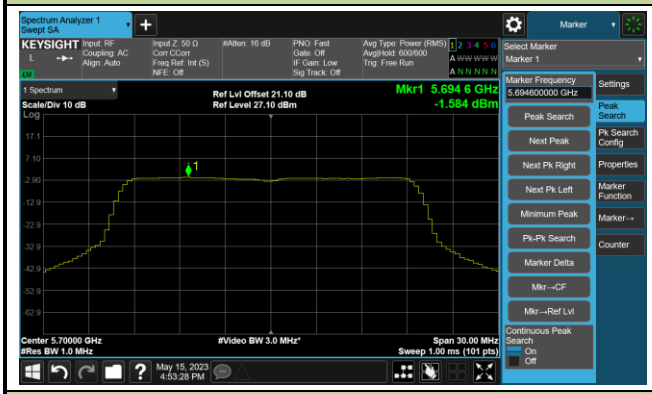
Channel 64 (5320MHz)

802.11ax-HE20 Power Spectral Density- Master Mode Ant 3

Channel 100 (5500MHz)

Channel 116 (5580MHz)

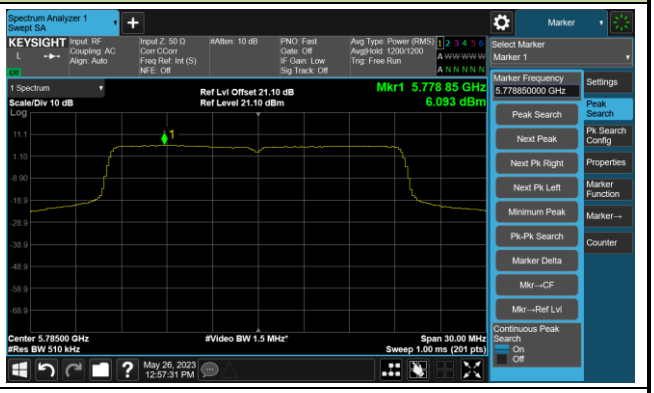
Channel 140 (5700MHz)



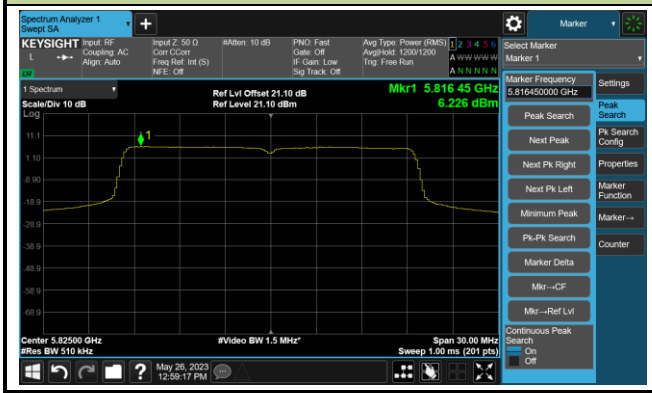
Channel 144(5720MHz)

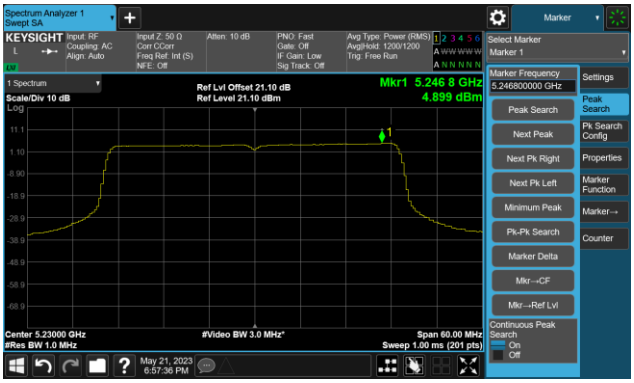
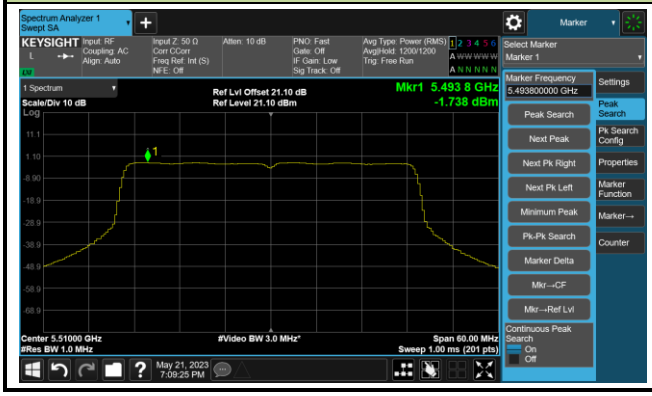
Channel 149 (5745MHz)

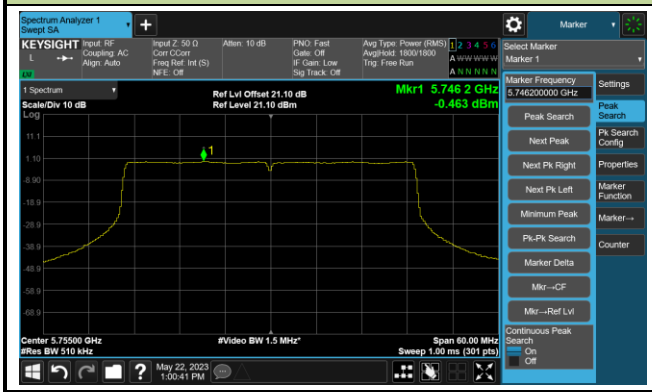
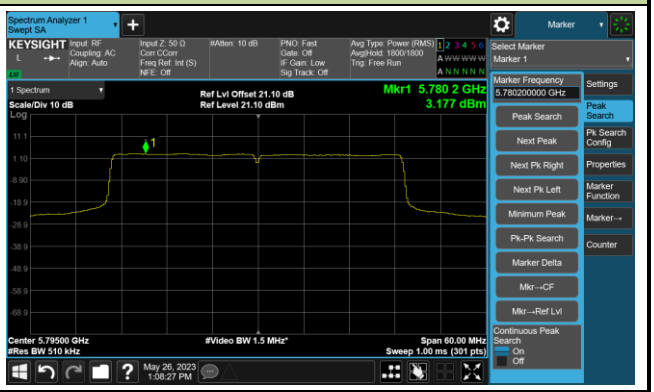
Channel 157 (5785MHz)

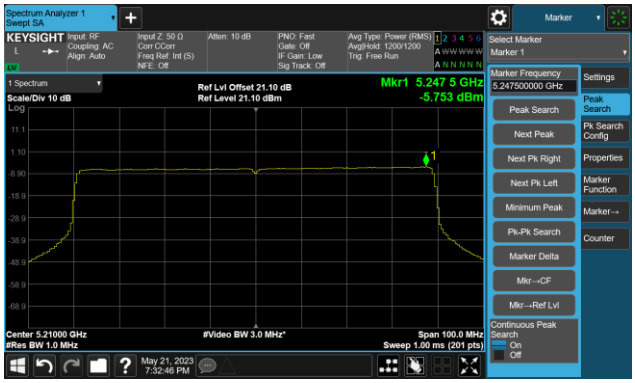
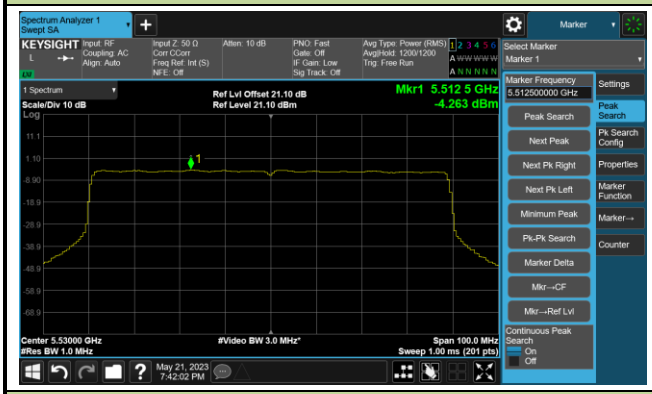
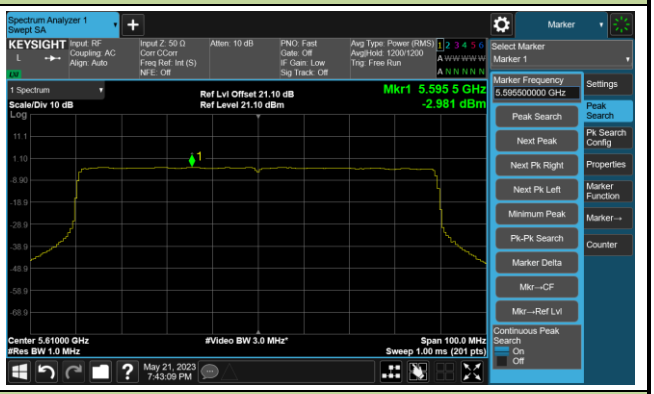
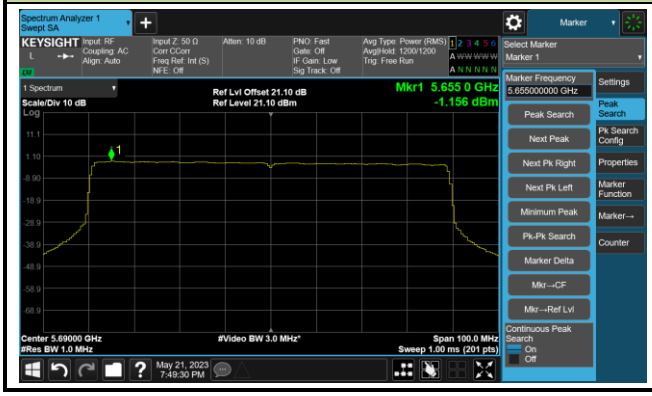
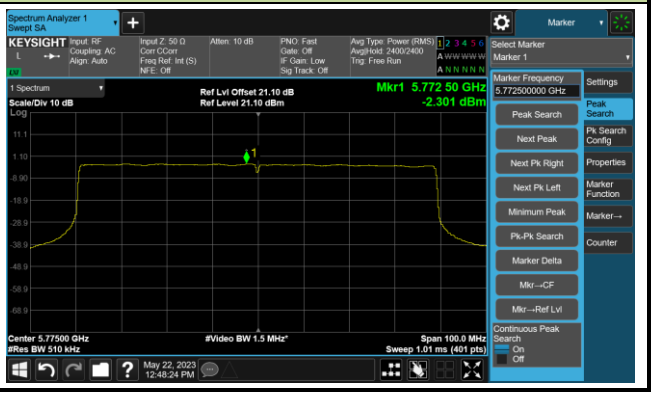


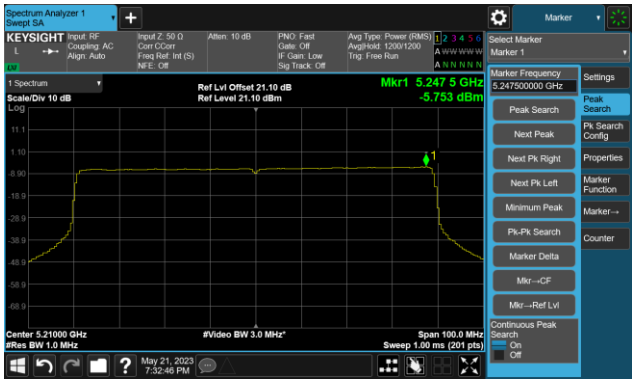
Channel 165 (5825MHz)



802.11ax-HE40 Power Spectral Density- Master Mode Ant 3	
Channel 38 (5190MHz)	Channel 46 (5230MHz)
	
Channel 54 (5270MHz)	Channel 62 (5310MHz)
Channel 102 (5510MHz)	Channel 110 (5550MHz)
	

802.11ax-HE40 Power Spectral Density- Master Mode Ant 3	
Channel 134 (5670MHz)	Channel 142(5710MHz)
Channel 151 (5755MHz)	Channel 159 (5795MHz)
	

802.11ax-HE80 Power Spectral Density- Master Mode Ant 3	
Channel 42 (5210MHz)	Channel 58 (5290MHz)
	
Channel 106 (5530MHz)	Channel 122 (5610MHz)
	
Channel 138 (5690MHz)	Channel 155 (5775MHz)
	

802.11ax-HE80+80 Power Spectral Density- Master Mode Ant 3	
Channel 42+58 (5210+5290MHz)	Channel 106+122 (5530+5610MHz)
	

A.6 Frequency Stability Test Result

Test Site	SIP-TR1	Test Engineer	Alisa Deng
Test Date	2023-05-29	Test Mode	5180MHz (Carrier Mode)

Voltage (%)	Power (VAC)	Temp (°C)	Frequency Tolerance (ppm)			
			0 minutes	2 minutes	5 minutes	10 minutes
100%	120	- 30	16.51	16.48	16.42	16.43
		- 20	13.84	13.69	13.93	13.93
		- 10	9.82	9.77	10.22	10.97
		0	6.55	6.57	6.86	7.38
		+ 10	-2.90	-2.30	-0.57	0.96
		+ 20	0.20	-0.27	-0.44	-0.55
		+ 30	-0.94	-2.03	-2.91	-3.65
		+ 40	-4.78	-5.96	-6.86	-7.53
		+ 50	-7.73	-8.32	-9.04	-9.82
115%	138	+ 20	-0.04	-0.29	-0.53	-0.59
85%	102	+ 20	-0.80	-1.09	-1.04	-0.95

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

A.7 Radiated Spurious Emission Test Result

Test Site	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2023-05-18	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
	8208.0	48.1	-5.8	42.3	74.0	-31.7	Peak	Horizontal
*	9823.0	47.6	-5.2	42.4	68.2	-25.8	Peak	Horizontal
	11608.0	46.9	-3.7	43.2	74.0	-30.8	Peak	Horizontal
*	14999.5	44.7	1.1	45.8	68.2	-22.4	Peak	Horizontal
	7375.0	48.6	-6.9	41.7	74.0	-32.3	Peak	Vertical
*	9653.0	47.8	-5.0	42.8	68.2	-25.4	Peak	Vertical
	11353.0	46.5	-3.5	43.0	74.0	-31.0	Peak	Vertical
*	14812.5	44.9	0.8	45.7	68.2	-22.5	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	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2023-05-18	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
	8327.0	48.6	-5.8	42.8	74.0	-31.2	Peak	Horizontal
*	10171.5	47.6	-4.8	42.8	68.2	-25.4	Peak	Horizontal
	11905.5	46.4	-3.7	42.7	74.0	-31.3	Peak	Horizontal
*	14991.0	44.3	1.3	45.6	68.2	-22.6	Peak	Horizontal
	8429.0	47.6	-5.8	41.8	74.0	-32.2	Peak	Vertical
*	10154.5	47.8	-4.8	43.0	68.2	-25.2	Peak	Vertical
	11353.0	46.3	-3.5	42.8	74.0	-31.2	Peak	Vertical
*	14549.0	44.6	0.5	45.1	68.2	-23.1	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	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2023-05-18	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
	8284.5	48.2	-5.6	42.6	74.0	-31.4	Peak	Horizontal
*	9738.0	47.9	-5.0	42.9	68.2	-25.3	Peak	Horizontal
	10741.0	47.8	-4.5	43.3	74.0	-30.7	Peak	Horizontal
*	14073.0	44.9	-0.7	44.2	68.2	-24.0	Peak	Horizontal
	8327.0	48.7	-5.8	42.9	74.0	-31.1	Peak	Vertical
*	9899.5	48.1	-4.7	43.4	68.2	-24.8	Peak	Vertical
	11514.5	46.5	-3.8	42.7	74.0	-31.3	Peak	Vertical
*	14753.0	44.1	1.4	45.5	68.2	-22.7	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	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2023-05-18	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
	8242.0	47.8	-5.7	42.1	74.0	-31.9	Peak	Horizontal
*	9814.5	47.8	-5.2	42.6	68.2	-25.6	Peak	Horizontal
	11939.5	47.1	-3.7	43.4	74.0	-30.6	Peak	Horizontal
*	13614.0	46.0	-0.8	45.2	68.2	-23.0	Peak	Horizontal
	8131.5	48.5	-6.2	42.3	74.0	-31.7	Peak	Vertical
*	9653.0	48.1	-5.0	43.1	68.2	-25.1	Peak	Vertical
	12118.0	46.2	-3.5	42.7	74.0	-31.3	Peak	Vertical
*	14753.0	45.4	1.4	46.8	68.2	-21.4	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	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2023-05-18	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
	8250.5	48.2	-5.6	42.6	74.0	-31.4	Peak	Horizontal
*	10112.0	47.2	-4.8	42.4	68.2	-25.8	Peak	Horizontal
	11344.5	46.5	-3.9	42.6	74.0	-31.4	Peak	Horizontal
*	13733.0	45.6	-0.8	44.8	68.2	-23.4	Peak	Horizontal
	8250.5	47.4	-5.6	41.8	74.0	-32.2	Peak	Vertical
*	10078.0	47.1	-4.6	42.5	68.2	-25.7	Peak	Vertical
	11463.5	47.2	-4.1	43.1	74.0	-30.9	Peak	Vertical
*	13869.0	45.6	-0.5	45.1	68.2	-23.1	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	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2023-05-18	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
	8216.5	47.7	-5.7	42.0	74.0	-32.0	Peak	Horizontal
*	10350.0	47.8	-4.7	43.1	68.2	-25.1	Peak	Horizontal
	11404.0	47.2	-4.3	42.9	74.0	-31.1	Peak	Horizontal
*	13979.5	45.2	-0.9	44.3	68.2	-23.9	Peak	Horizontal
	8369.5	47.7	-5.5	42.2	74.0	-31.8	Peak	Vertical
*	10103.5	47.0	-4.6	42.4	68.2	-25.8	Peak	Vertical
	12067.0	47.7	-3.4	44.3	74.0	-29.7	Peak	Vertical
*	14821.0	44.4	1.1	45.5	68.2	-22.7	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	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2023-05-18	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
	8216.5	47.8	-5.7	42.1	74.0	-31.9	Peak	Horizontal
*	10214.0	47.7	-4.7	43.0	68.2	-25.2	Peak	Horizontal
	11820.5	46.7	-3.6	43.1	74.0	-30.9	Peak	Horizontal
*	14668.0	45.0	0.2	45.2	68.2	-23.0	Peak	Horizontal
	8386.5	47.9	-5.8	42.1	74.0	-31.9	Peak	Vertical
*	9661.5	48.7	-5.1	43.6	68.2	-24.6	Peak	Vertical
	11795.0	47.3	-4.2	43.1	74.0	-30.9	Peak	Vertical
*	14829.5	44.1	1.0	45.1	68.2	-23.1	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	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2023-05-18	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
	8386.5	47.7	-5.8	41.9	74.0	-32.1	Peak	Horizontal
*	10316.0	47.9	-5.1	42.8	68.2	-25.4	Peak	Horizontal
	12551.5	46.5	-3.0	43.5	74.0	-30.5	Peak	Horizontal
*	14753.0	44.4	1.4	45.8	68.2	-22.4	Peak	Horizontal
	8216.5	47.8	-5.7	42.1	74.0	-31.9	Peak	Vertical
*	10078.0	46.8	-4.6	42.2	68.2	-26.0	Peak	Vertical
	11718.5	46.6	-3.9	42.7	74.0	-31.3	Peak	Vertical
*	14906.0	44.5	1.0	45.5	68.2	-22.7	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	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2023-05-18	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
	8284.5	47.4	-5.6	41.8	74.0	-32.2	Peak	Horizontal
*	10282.0	47.6	-4.7	42.9	68.2	-25.3	Peak	Horizontal
	12152.0	46.2	-3.4	42.8	74.0	-31.2	Peak	Horizontal
*	15008.0	44.7	0.9	45.6	68.2	-22.6	Peak	Horizontal
	8293.0	47.2	-5.7	41.5	74.0	-32.5	Peak	Vertical
*	10392.5	47.1	-4.6	42.5	68.2	-25.7	Peak	Vertical
	12296.5	45.8	-3.4	42.4	74.0	-31.6	Peak	Vertical
*	14991.0	45.0	1.3	46.3	68.2	-21.9	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	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2023-05-18	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
	8250.5	47.2	-5.6	41.6	74.0	-32.4	Peak	Horizontal
*	9729.5	47.8	-5.1	42.7	68.2	-25.5	Peak	Horizontal
	11786.5	47.4	-4.1	43.3	74.0	-30.7	Peak	Horizontal
*	14974.0	44.6	1.0	45.6	68.2	-22.6	Peak	Horizontal
	8395.0	48.7	-6.1	42.6	74.0	-31.4	Peak	Vertical
*	10528.5	47.5	-4.4	43.1	68.2	-25.1	Peak	Vertical
	12211.5	46.2	-3.3	42.9	74.0	-31.1	Peak	Vertical
*	14719.0	44.7	0.6	45.3	68.2	-22.9	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	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2023-05-18	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
*	10503.0	47.5	-4.2	43.3	68.2	-24.9	Peak	Horizontal
	12160.5	46.8	-3.3	43.5	74.0	-30.5	Peak	Horizontal
*	13741.5	45.6	-1.1	44.5	68.2	-23.7	Peak	Horizontal
	15917.5	43.9	3.4	47.3	74.0	-26.7	Peak	Horizontal
*	10401.0	48.0	-4.7	43.3	68.2	-24.9	Peak	Vertical
	12169.0	47.7	-3.2	44.5	74.0	-29.5	Peak	Vertical
*	13869.0	45.5	-0.5	45.0	68.2	-23.2	Peak	Vertical
	15841.0	45.2	2.8	48.0	74.0	-26.0	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	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2023-05-18	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
*	10120.5	47.6	-4.7	42.9	68.2	-25.3	Peak	Horizontal
	11523.0	47.1	-3.9	43.2	74.0	-30.8	Peak	Horizontal
*	13741.5	46.0	-1.1	44.9	68.2	-23.3	Peak	Horizontal
	15875.0	44.1	3.0	47.1	74.0	-26.9	Peak	Horizontal
	11574.0	50.7	-3.9	46.8	74.0	-27.2	Peak	Vertical
*	13724.5	45.7	-1.1	44.6	68.2	-23.6	Peak	Vertical
	15807.0	44.4	3.0	47.4	74.0	-26.6	Peak	Vertical
*	17354.0	44.7	5.8	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 (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

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

Test Site	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2023-05-18	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
	11871.5	47.2	-3.9	43.3	74.0	-30.7	Peak	Horizontal
*	13886.0	46.4	-0.8	45.6	68.2	-22.6	Peak	Horizontal
	15586.0	44.1	2.8	46.9	74.0	-27.1	Peak	Horizontal
*	17337.0	43.2	6.5	49.7	68.2	-18.5	Peak	Horizontal
	11650.5	50.0	-4.0	46.0	74.0	-28.0	Peak	Vertical
*	13945.5	46.3	-1.1	45.2	68.2	-23.0	Peak	Vertical
	15875.0	44.5	3.0	47.5	74.0	-26.5	Peak	Vertical
*	16912.0	45.1	3.6	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	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2023-05-18	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
	8284.5	47.1	-5.6	41.5	74.0	-32.5	Peak	Horizontal
*	10086.5	47.1	-4.6	42.5	68.2	-25.7	Peak	Horizontal
	12237.0	46.0	-3.3	42.7	74.0	-31.3	Peak	Horizontal
*	13622.5	45.5	-1.3	44.2	68.2	-24.0	Peak	Horizontal
	8140.0	48.2	-6.1	42.1	74.0	-31.9	Peak	Vertical
*	10095.0	47.2	-4.5	42.7	68.2	-25.5	Peak	Vertical
	11472.0	46.3	-3.8	42.5	74.0	-31.5	Peak	Vertical
*	14736.0	44.3	1.1	45.4	68.2	-22.8	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	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2023-05-18	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
	8267.5	47.9	-5.4	42.5	74.0	-31.5	Peak	Horizontal
*	10120.5	47.8	-4.7	43.1	68.2	-25.1	Peak	Horizontal
	11106.5	48.2	-4.4	43.8	74.0	-30.2	Peak	Horizontal
*	14744.5	44.4	1.2	45.6	68.2	-22.6	Peak	Horizontal
	8429.0	48.7	-5.8	42.9	74.0	-31.1	Peak	Vertical
*	9891.0	48.3	-4.6	43.7	68.2	-24.5	Peak	Vertical
	11106.5	48.2	-4.4	43.8	74.0	-30.2	Peak	Vertical
*	14744.5	45.1	1.2	46.3	68.2	-21.9	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	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2023-05-18	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
	8463.0	47.9	-5.8	42.1	74.0	-31.9	Peak	Horizontal
*	10163.0	48.2	-4.8	43.4	68.2	-24.8	Peak	Horizontal
	11404.0	46.8	-4.3	42.5	74.0	-31.5	Peak	Horizontal
*	14744.5	44.1	1.2	45.3	68.2	-22.9	Peak	Horizontal
	8182.5	47.5	-5.8	41.7	74.0	-32.3	Peak	Vertical
*	10010.0	47.5	-4.6	42.9	68.2	-25.3	Peak	Vertical
	11582.5	46.6	-3.9	42.7	74.0	-31.3	Peak	Vertical
*	15025.0	45.7	1.0	46.7	68.2	-21.5	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	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2023-05-18	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
	8165.5	48.3	-5.8	42.5	74.0	-31.5	Peak	Horizontal
*	9738.0	47.8	-5.0	42.8	68.2	-25.4	Peak	Horizontal
	12203.0	46.9	-3.4	43.5	74.0	-30.5	Peak	Horizontal
*	14625.5	44.8	0.6	45.4	68.2	-22.8	Peak	Horizontal
	8259.0	47.4	-5.5	41.9	74.0	-32.1	Peak	Vertical
*	9967.5	47.0	-4.8	42.2	68.2	-26.0	Peak	Vertical
	11693.0	46.2	-3.9	42.3	74.0	-31.7	Peak	Vertical
*	15093.0	44.3	1.4	45.7	68.2	-22.5	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	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2023-05-18	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
	10928.0	42.0	7.4	49.4	74.0	-24.6	Peak	Horizontal
*	13690.5	40.6	9.0	49.6	68.2	-18.6	Peak	Horizontal
*	14608.5	39.3	11.7	51.0	68.2	-17.2	Peak	Horizontal
	15696.5	39.6	9.8	49.4	74.0	-24.6	Peak	Horizontal
*	10197.0	42.5	5.5	48.0	68.2	-20.2	Peak	Vertical
	11506.0	41.2	8.1	49.3	74.0	-24.7	Peak	Vertical
*	14634.0	40.4	11.6	52.0	68.2	-16.2	Peak	Vertical
	15688.0	39.9	9.8	49.7	74.0	-24.3	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	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2023-05-18	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
*	10307.5	41.7	6.5	48.2	68.2	-20.0	Peak	Horizontal
	11480.5	40.5	7.9	48.4	74.0	-25.6	Peak	Horizontal
*	14821.0	38.6	11.9	50.5	68.2	-17.7	Peak	Horizontal
	15679.5	39.0	9.6	48.6	74.0	-25.4	Peak	Horizontal
*	10027.0	42.4	5.4	47.8	68.2	-20.4	Peak	Vertical
	11608.0	41.3	8.1	49.4	74.0	-24.6	Peak	Vertical
*	14710.5	39.3	12.0	51.3	68.2	-16.9	Peak	Vertical
	15798.5	39.8	9.2	49.0	74.0	-25.0	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	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2023-05-18	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
*	10307.5	41.7	6.5	48.2	68.2	-20.0	Peak	Horizontal
	11506.0	41.0	8.1	49.1	74.0	-24.9	Peak	Horizontal
*	14897.5	39.5	11.6	51.1	68.2	-17.1	Peak	Horizontal
	15620.0	39.3	10.1	49.4	74.0	-24.6	Peak	Horizontal
*	10494.5	41.7	6.6	48.3	68.2	-19.9	Peak	Vertical
	11480.5	41.6	7.9	49.5	74.0	-24.5	Peak	Vertical
*	14234.5	39.8	10.3	50.1	68.2	-18.1	Peak	Vertical
	15450.0	39.8	9.5	49.3	74.0	-24.7	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	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2023-05-18	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
*	10469.0	41.7	6.3	48.0	68.2	-20.2	Peak	Horizontal
	11599.5	40.8	7.9	48.7	74.0	-25.3	Peak	Horizontal
*	14727.5	39.1	11.8	50.9	68.2	-17.3	Peak	Horizontal
	15526.5	39.4	10.1	49.5	74.0	-24.5	Peak	Horizontal
*	10205.5	43.2	5.6	48.8	68.2	-19.4	Peak	Vertical
	11489.0	41.0	8.0	49.0	74.0	-25.0	Peak	Vertical
*	14812.5	39.3	11.8	51.1	68.2	-17.1	Peak	Vertical
	15722.0	40.3	9.6	49.9	74.0	-24.1	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	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2023-05-18	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
*	10477.5	41.8	6.5	48.3	68.2	-19.9	Peak	Horizontal
	11514.5	40.8	8.0	48.8	74.0	-25.2	Peak	Horizontal
*	14693.5	38.4	11.9	50.3	68.2	-17.9	Peak	Horizontal
	15594.5	39.0	9.9	48.9	74.0	-25.1	Peak	Horizontal
*	10171.5	40.8	5.5	46.3	68.2	-21.9	Peak	Vertical
	11599.5	41.2	7.9	49.1	74.0	-24.9	Peak	Vertical
*	14804.0	39.1	11.8	50.9	68.2	-17.3	Peak	Vertical
	15713.5	39.3	9.7	49.0	74.0	-25.0	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	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2023-05-18	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
*	10222.5	42.0	5.6	47.6	68.2	-20.6	Peak	Horizontal
	11106.5	41.4	7.4	48.8	74.0	-25.2	Peak	Horizontal
*	14591.5	39.4	11.6	51.0	68.2	-17.2	Peak	Horizontal
	15628.5	39.6	10.0	49.6	74.0	-24.4	Peak	Horizontal
*	10392.5	41.8	6.3	48.1	68.2	-20.1	Peak	Vertical
	12254.0	41.7	6.9	48.6	74.0	-25.4	Peak	Vertical
*	14804.0	38.9	11.8	50.7	68.2	-17.5	Peak	Vertical
	15722.0	39.8	9.6	49.4	74.0	-24.6	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	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2023-05-22	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
	11480.5	47.6	-3.8	43.8	74.0	-30.2	Peak	Horizontal
*	13767.0	45.8	-0.8	45.0	68.2	-23.2	Peak	Horizontal
	15917.5	43.7	3.4	47.1	74.0	-26.9	Peak	Horizontal
*	17566.5	44.0	6.1	50.1	68.2	-18.1	Peak	Horizontal
	12364.5	47.3	-3.2	44.1	74.0	-29.9	Peak	Vertical
*	14676.5	46.4	0.5	46.9	68.2	-21.3	Peak	Vertical
	16104.5	45.0	3.4	48.4	74.0	-25.6	Peak	Vertical
*	17345.5	43.0	6.2	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	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2023-05-22	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
	11693.0	47.3	-3.9	43.4	74.0	-30.6	Peak	Horizontal
*	14846.5	46.6	1.0	47.6	68.2	-20.6	Peak	Horizontal
	15909.0	44.0	3.3	47.3	74.0	-26.7	Peak	Horizontal
*	16801.5	45.8	3.1	48.9	68.2	-19.3	Peak	Horizontal
	11574.0	49.1	-3.9	45.2	74.0	-28.8	Peak	Vertical
*	13937.0	45.0	-1.1	43.9	68.2	-24.3	Peak	Vertical
	15739.0	44.3	2.1	46.4	74.0	-27.6	Peak	Vertical
*	17345.5	43.2	6.2	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	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2023-05-22	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
	11837.5	46.9	-3.5	43.4	74.0	-30.6	Peak	Horizontal
*	13784.0	46.3	-0.9	45.4	68.2	-22.8	Peak	Horizontal
	15705.0	43.7	2.5	46.2	74.0	-27.8	Peak	Horizontal
*	17362.5	44.0	5.7	49.7	68.2	-18.5	Peak	Horizontal
	11650.5	49.5	-4.0	45.5	74.0	-28.5	Peak	Vertical
*	13877.5	45.3	-0.7	44.6	68.2	-23.6	Peak	Vertical
	15696.5	44.5	2.4	46.9	74.0	-27.1	Peak	Vertical
*	16546.5	44.9	3.4	48.3	68.2	-19.9	Peak	Vertical

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

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

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

Test Site	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2023-05-22	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
	11353.0	46.5	-3.5	43.0	74.0	-31.0	Peak	Horizontal
*	14889.0	44.8	1.4	46.2	68.2	-22.0	Peak	Horizontal
	15883.5	44.6	2.7	47.3	74.0	-26.7	Peak	Horizontal
*	16929.0	44.2	4.6	48.8	68.2	-19.4	Peak	Horizontal
*	9891.0	48.2	-4.6	43.6	68.2	-24.6	Peak	Vertical
	10783.5	48.7	-4.4	44.3	74.0	-29.7	Peak	Vertical
*	13767.0	45.9	-0.8	45.1	68.2	-23.1	Peak	Vertical
	15807.0	44.4	3.0	47.4	74.0	-26.6	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	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2023-05-22	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
	11650.5	47.5	-4.0	43.5	74.0	-30.5	Peak	Horizontal
*	13860.5	45.8	-1.0	44.8	68.2	-23.4	Peak	Horizontal
	15637.0	44.9	2.1	47.0	74.0	-27.0	Peak	Horizontal
*	16657.0	44.7	3.8	48.5	68.2	-19.7	Peak	Horizontal
	11353.0	47.6	-3.5	44.1	74.0	-29.9	Peak	Vertical
*	13826.5	45.7	-1.2	44.5	68.2	-23.7	Peak	Vertical
	15637.0	43.7	2.1	45.8	74.0	-28.2	Peak	Vertical
*	16665.5	44.5	3.8	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	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2023-05-22	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
*	10061.0	47.4	-4.8	42.6	68.2	-25.6	Peak	Horizontal
	11837.5	47.3	-3.5	43.8	74.0	-30.2	Peak	Horizontal
*	14855.0	44.8	1.0	45.8	68.2	-22.4	Peak	Horizontal
	15841.0	44.1	2.8	46.9	74.0	-27.1	Peak	Horizontal
*	10205.5	47.7	-4.7	43.0	68.2	-25.2	Peak	Vertical
	11353.0	47.5	-3.5	44.0	74.0	-30.0	Peak	Vertical
*	14829.5	45.4	1.0	46.4	68.2	-21.8	Peak	Vertical
	16121.5	43.8	3.6	47.4	74.0	-26.6	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	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2023-05-22	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
*	10103.5	47.7	-4.6	43.1	68.2	-25.1	Peak	Horizontal
	11744.0	47.1	-4.0	43.1	74.0	-30.9	Peak	Horizontal
*	13614.0	45.6	-0.8	44.8	68.2	-23.4	Peak	Horizontal
	15875.0	44.4	3.0	47.4	74.0	-26.6	Peak	Horizontal
*	10061.0	47.6	-4.8	42.8	68.2	-25.4	Peak	Vertical
	11897.0	47.2	-3.5	43.7	74.0	-30.3	Peak	Vertical
*	13988.0	45.7	-0.8	44.9	68.2	-23.3	Peak	Vertical
	15654.0	44.7	1.8	46.5	74.0	-27.5	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	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2023-05-22	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
*	10010.0	47.5	-4.6	42.9	68.2	-25.3	Peak	Horizontal
	11591.0	46.7	-3.9	42.8	74.0	-31.2	Peak	Horizontal
*	13614.0	45.5	-0.8	44.7	68.2	-23.5	Peak	Horizontal
	15441.5	45.7	1.5	47.2	74.0	-26.8	Peak	Horizontal
	11540.0	47.3	-4.0	43.3	74.0	-30.7	Peak	Vertical
*	13699.0	45.7	-1.1	44.6	68.2	-23.6	Peak	Vertical
	16002.5	44.2	2.9	47.1	74.0	-26.9	Peak	Vertical
*	17337.0	43.4	6.5	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	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2023-05-22	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
	11353.0	47.3	-3.5	43.8	74.0	-30.2	Peak	Horizontal
*	13775.5	46.1	-0.9	45.2	68.2	-23.0	Peak	Horizontal
	15807.0	44.6	3.0	47.6	74.0	-26.4	Peak	Horizontal
*	17337.0	43.8	6.5	50.3	68.2	-17.9	Peak	Horizontal
*	10103.5	48.2	-4.6	43.6	68.2	-24.6	Peak	Vertical
	11429.5	47.4	-4.1	43.3	74.0	-30.7	Peak	Vertical
*	14404.5	45.6	0.2	45.8	68.2	-22.4	Peak	Vertical
	15705.0	45.4	2.5	47.9	74.0	-26.1	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	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2023-05-22	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
*	10171.5	48.0	-4.8	43.2	68.2	-25.0	Peak	Horizontal
	11149.0	48.6	-4.3	44.3	74.0	-29.7	Peak	Horizontal
*	14141.0	45.5	-0.6	44.9	68.2	-23.3	Peak	Horizontal
	15696.5	45.3	2.4	47.7	74.0	-26.3	Peak	Horizontal
*	10069.5	47.5	-4.7	42.8	68.2	-25.4	Peak	Vertical
	11361.5	47.2	-3.6	43.6	74.0	-30.4	Peak	Vertical
*	14999.5	44.5	1.1	45.6	68.2	-22.6	Peak	Vertical
	15909.0	44.1	3.3	47.4	74.0	-26.6	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	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2023-05-22	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
*	10137.5	48.8	-4.7	44.1	68.2	-24.1	Peak	Horizontal
	11472.0	47.7	-3.8	43.9	74.0	-30.1	Peak	Horizontal
*	14727.5	44.8	0.8	45.6	68.2	-22.6	Peak	Horizontal
	15841.0	44.4	2.8	47.2	74.0	-26.8	Peak	Horizontal
*	10103.5	48.5	-4.6	43.9	68.2	-24.3	Peak	Vertical
	12364.5	46.5	-3.2	43.3	74.0	-30.7	Peak	Vertical
	15798.5	44.0	2.7	46.7	74.0	-27.3	Peak	Vertical
*	16623.0	44.4	4.5	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 (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

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

Test Site	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2023-05-22	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
*	10120.5	47.4	-4.7	42.7	68.2	-25.5	Peak	Horizontal
	11812.0	47.0	-3.6	43.4	74.0	-30.6	Peak	Horizontal
*	14889.0	44.5	1.4	45.9	68.2	-22.3	Peak	Horizontal
	16036.5	44.9	3.0	47.9	74.0	-26.1	Peak	Horizontal
*	10112.0	48.2	-4.8	43.4	68.2	-24.8	Peak	Vertical
	11506.0	48.0	-3.7	44.3	74.0	-29.7	Peak	Vertical
*	13733.0	46.1	-0.8	45.3	68.2	-22.9	Peak	Vertical
	16036.5	44.4	3.0	47.4	74.0	-26.6	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	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2023-05-22	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
*	10010.0	48.1	-4.6	43.5	68.2	-24.7	Peak	Horizontal
	11361.5	46.9	-3.6	43.3	74.0	-30.7	Peak	Horizontal
*	13843.5	45.7	-1.2	44.5	68.2	-23.7	Peak	Horizontal
	15832.5	44.7	2.7	47.4	74.0	-26.6	Peak	Horizontal
*	9814.5	46.0	-5.2	40.8	68.2	-27.4	Peak	Vertical
	11591.0	51.2	-3.9	47.3	74.0	-26.7	Peak	Vertical
	11591.0	49.8	-3.9	45.9	54.0	-8.1	Average	Vertical
*	13767.0	46.6	-0.8	45.8	68.2	-22.4	Peak	Vertical
	15807.0	44.8	3.0	47.8	74.0	-26.2	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	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2023-05-22	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
*	9899.5	46.1	-4.7	41.4	68.2	-26.8	Peak	Horizontal
	11837.5	47.0	-3.5	43.5	74.0	-30.5	Peak	Horizontal
*	13775.5	45.6	-0.9	44.7	68.2	-23.5	Peak	Horizontal
	15909.0	44.2	3.3	47.5	74.0	-26.5	Peak	Horizontal
*	10205.5	48.8	-4.7	44.1	68.2	-24.1	Peak	Vertical
	12271.0	48.1	-3.3	44.8	74.0	-29.2	Peak	Vertical
*	14727.5	45.0	0.8	45.8	68.2	-22.4	Peak	Vertical
	15807.0	43.7	3.0	46.7	74.0	-27.3	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	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2023-05-22	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
*	10171.5	48.3	-4.8	43.5	68.2	-24.7	Peak	Horizontal
	11846.0	47.4	-3.5	43.9	74.0	-30.1	Peak	Horizontal
	15722.0	44.3	2.4	46.7	74.0	-27.3	Peak	Horizontal
*	16410.5	45.4	3.8	49.2	68.2	-19.0	Peak	Horizontal
*	10146.0	47.5	-4.8	42.7	68.2	-25.5	Peak	Vertical
	11506.0	46.8	-3.7	43.1	74.0	-30.9	Peak	Vertical
*	14753.0	44.9	1.4	46.3	68.2	-21.9	Peak	Vertical
	15730.5	44.2	2.2	46.4	74.0	-27.6	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	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2023-05-22	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
*	10494.5	47.5	-4.3	43.2	68.2	-25.0	Peak	Horizontal
	11846.0	46.5	-3.5	43.0	74.0	-31.0	Peak	Horizontal
*	14447.0	45.3	0.1	45.4	68.2	-22.8	Peak	Horizontal
	15586.0	43.9	2.8	46.7	74.0	-27.3	Peak	Horizontal
*	9967.5	47.7	-4.8	42.9	68.2	-25.3	Peak	Vertical
	12262.5	46.7	-3.3	43.4	74.0	-30.6	Peak	Vertical
*	13733.0	46.0	-0.8	45.2	68.2	-23.0	Peak	Vertical
	15841.0	44.2	2.8	47.0	74.0	-27.0	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	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2023-05-22	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
*	10511.5	47.7	-4.3	43.4	68.2	-24.8	Peak	Horizontal
	11582.5	47.3	-3.9	43.4	74.0	-30.6	Peak	Horizontal
*	13869.0	45.4	-0.5	44.9	68.2	-23.3	Peak	Horizontal
	15875.0	44.3	3.0	47.3	74.0	-26.7	Peak	Horizontal
*	10384.0	47.9	-4.6	43.3	68.2	-24.9	Peak	Vertical
	11429.5	45.4	-4.1	41.3	74.0	-32.7	Peak	Vertical
*	13792.5	43.6	-0.8	42.8	68.2	-25.4	Peak	Vertical
	15705.0	44.4	2.5	46.9	74.0	-27.1	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	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2023-05-22	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
*	10401.0	48.4	-4.7	43.7	68.2	-24.5	Peak	Horizontal
	11531.5	47.6	-3.9	43.7	74.0	-30.3	Peak	Horizontal
*	13614.0	46.0	-0.8	45.2	68.2	-23.0	Peak	Horizontal
	15679.5	44.8	2.1	46.9	74.0	-27.1	Peak	Horizontal
*	10001.5	48.4	-4.8	43.6	68.2	-24.6	Peak	Vertical
	11455.0	48.1	-4.4	43.7	74.0	-30.3	Peak	Vertical
*	14736.0	45.4	1.1	46.5	68.2	-21.7	Peak	Vertical
	15815.5	44.0	2.8	46.8	74.0	-27.2	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	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2023-05-22	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
*	10103.5	48.3	-4.6	43.7	68.2	-24.5	Peak	Horizontal
	11480.5	47.0	-3.8	43.2	74.0	-30.8	Peak	Horizontal
*	14736.0	44.8	1.1	45.9	68.2	-22.3	Peak	Horizontal
	15824.0	44.2	2.6	46.8	74.0	-27.2	Peak	Horizontal
*	10095.0	47.8	-4.5	43.3	68.2	-24.9	Peak	Vertical
	11548.5	48.0	-3.9	44.1	74.0	-29.9	Peak	Vertical
*	14396.0	45.3	0.4	45.7	68.2	-22.5	Peak	Vertical
	15815.5	44.4	2.8	47.2	74.0	-26.8	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	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2023-05-22	Test Mode	802.11ac-VHT80+80 – Channel 42+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
*	10520.0	47.8	-4.5	43.3	68.2	-24.9	Peak	Horizontal
	11591.0	46.8	-3.9	42.9	74.0	-31.1	Peak	Horizontal
*	14829.5	45.5	1.0	46.5	68.2	-21.7	Peak	Horizontal
	15722.0	44.2	2.4	46.6	74.0	-27.4	Peak	Horizontal
*	10494.5	47.9	-4.3	43.6	68.2	-24.6	Peak	Vertical
	12033.0	47.5	-3.6	43.9	74.0	-30.1	Peak	Vertical
*	13852.0	45.2	-1.4	43.8	68.2	-24.4	Peak	Vertical
	15926.0	43.7	3.5	47.2	74.0	-26.8	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	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2023-05-22	Test Mode	802.11ac-VHT80+80 – Channel 106+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
*	10528.5	47.7	-4.4	43.3	68.2	-24.9	Peak	Horizontal
	11429.5	47.6	-4.1	43.5	74.0	-30.5	Peak	Horizontal
*	13775.5	45.9	-0.9	45.0	68.2	-23.2	Peak	Horizontal
	15781.5	45.6	2.1	47.7	74.0	-26.3	Peak	Horizontal
*	9908.0	48.3	-4.8	43.5	68.2	-24.7	Peak	Vertical
	11506.0	46.8	-3.7	43.1	74.0	-30.9	Peak	Vertical
*	13758.5	45.9	-1.1	44.8	68.2	-23.4	Peak	Vertical
	15807.0	44.3	3.0	47.3	74.0	-26.7	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	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2023-05-22	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
*	10010.0	43.4	5.9	49.3	68.2	-18.9	Peak	Horizontal
	11497.5	41.0	8.1	49.1	74.0	-24.9	Peak	Horizontal
*	14821.0	38.8	11.9	50.7	68.2	-17.5	Peak	Horizontal
	15705.0	39.4	9.9	49.3	74.0	-24.7	Peak	Horizontal
*	10180.0	43.0	5.5	48.5	68.2	-19.7	Peak	Vertical
	11514.5	41.0	8.0	49.0	74.0	-25.0	Peak	Vertical
*	14906.0	39.4	11.5	50.9	68.2	-17.3	Peak	Vertical
	15433.0	39.5	9.9	49.4	74.0	-24.6	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	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2023-05-22	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
*	10384.0	42.7	6.2	48.9	68.2	-19.3	Peak	Horizontal
	11531.5	40.9	7.9	48.8	74.0	-25.2	Peak	Horizontal
*	15076.0	40.0	11.2	51.2	68.2	-17.0	Peak	Horizontal
	15713.5	41.0	9.7	50.7	74.0	-23.3	Peak	Horizontal
*	10375.5	43.2	6.0	49.2	68.2	-19.0	Peak	Vertical
	11038.5	41.9	7.4	49.3	74.0	-24.7	Peak	Vertical
*	14226.0	40.1	10.4	50.5	68.2	-17.7	Peak	Vertical
	15688.0	39.6	9.8	49.4	74.0	-24.6	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	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2023-05-22	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
*	10197.0	43.1	5.5	48.6	68.2	-19.6	Peak	Horizontal
	11591.0	40.9	7.8	48.7	74.0	-25.3	Peak	Horizontal
*	14200.5	40.3	10.5	50.8	68.2	-17.4	Peak	Horizontal
	15501.0	39.5	10.2	49.7	74.0	-24.3	Peak	Horizontal
*	10299.0	41.5	6.6	48.1	68.2	-20.1	Peak	Vertical
	11412.5	41.2	7.7	48.9	74.0	-25.1	Peak	Vertical
*	14710.5	39.5	12.0	51.5	68.2	-16.7	Peak	Vertical
	15705.0	40.1	9.9	50.0	74.0	-24.0	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	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2023-05-22	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
*	10307.5	41.8	6.5	48.3	68.2	-19.9	Peak	Horizontal
	11293.5	41.7	7.2	48.9	74.0	-25.1	Peak	Horizontal
*	14812.5	39.3	11.8	51.1	68.2	-17.1	Peak	Horizontal
	15713.5	38.7	9.7	48.4	74.0	-25.6	Peak	Horizontal
*	9925.0	42.2	5.9	48.1	68.2	-20.1	Peak	Vertical
	10783.5	42.1	7.1	49.2	74.0	-24.8	Peak	Vertical
*	14702.0	39.1	11.9	51.0	68.2	-17.2	Peak	Vertical
	15713.5	39.9	9.7	49.6	74.0	-24.4	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	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2023-05-22	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
*	10392.5	43.0	6.3	49.3	68.2	-18.9	Peak	Horizontal
	11480.5	41.6	7.9	49.5	74.0	-24.5	Peak	Horizontal
*	14812.5	40.1	11.8	51.9	68.2	-16.3	Peak	Horizontal
	15705.0	39.6	9.9	49.5	74.0	-24.5	Peak	Horizontal
*	9738.0	42.8	6.0	48.8	68.2	-19.4	Peak	Vertical
	11684.5	41.2	7.4	48.6	74.0	-25.4	Peak	Vertical
*	14804.0	38.9	11.8	50.7	68.2	-17.5	Peak	Vertical
	15518.0	38.0	10.1	48.1	74.0	-25.9	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	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2023-05-22	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
*	9831.5	41.9	5.9	47.8	68.2	-20.4	Peak	Horizontal
	11480.5	40.4	7.9	48.3	74.0	-25.7	Peak	Horizontal
*	14821.0	39.6	11.9	51.5	68.2	-16.7	Peak	Horizontal
	15824.0	40.8	9.1	49.9	74.0	-24.1	Peak	Horizontal
*	10299.0	41.4	6.6	48.0	68.2	-20.2	Peak	Vertical
	11514.5	40.5	8.0	48.5	74.0	-25.5	Peak	Vertical
*	14617.0	39.1	11.8	50.9	68.2	-17.3	Peak	Vertical
	15705.0	39.2	9.9	49.1	74.0	-24.9	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	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2023-05-22	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
*	10401.0	42.1	6.4	48.5	68.2	-19.7	Peak	Horizontal
	11803.5	41.3	7.4	48.7	74.0	-25.3	Peak	Horizontal
*	14336.5	39.7	10.4	50.1	68.2	-18.1	Peak	Horizontal
	15679.5	40.2	9.6	49.8	74.0	-24.2	Peak	Horizontal
*	10494.5	42.1	6.6	48.7	68.2	-19.5	Peak	Vertical
	11633.5	41.8	7.6	49.4	74.0	-24.6	Peak	Vertical
*	14812.5	39.6	11.8	51.4	68.2	-16.8	Peak	Vertical
	15688.0	39.3	9.8	49.1	74.0	-24.9	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	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2023-05-22	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
*	10010.0	42.6	5.9	48.5	68.2	-19.7	Peak	Horizontal
	12084.0	41.3	7.6	48.9	74.0	-25.1	Peak	Horizontal
*	14829.5	39.0	11.7	50.7	68.2	-17.5	Peak	Horizontal
	15424.5	39.6	9.8	49.4	74.0	-24.6	Peak	Horizontal
*	8777.5	42.3	4.1	46.4	68.2	-21.8	Peak	Vertical
	10919.5	42.0	7.5	49.5	74.0	-24.5	Peak	Vertical
	12169.0	40.5	7.3	47.8	74.0	-26.2	Peak	Vertical
*	14693.5	39.8	11.9	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	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2023-05-22	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
*	10341.5	42.8	6.3	49.1	68.2	-19.1	Peak	Horizontal
	11684.5	41.2	7.4	48.6	74.0	-25.4	Peak	Horizontal
*	14897.5	39.6	11.6	51.2	68.2	-17.0	Peak	Horizontal
	15705.0	39.2	9.9	49.1	74.0	-24.9	Peak	Horizontal
*	8709.5	42.4	3.8	46.2	68.2	-22.0	Peak	Vertical
	10877.0	43.0	7.5	50.5	74.0	-23.5	Peak	Vertical
	11599.5	41.8	7.9	49.7	74.0	-24.3	Peak	Vertical
*	14897.5	38.9	11.6	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 (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

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

Test Site	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2023-05-22	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
*	10018.5	42.4	5.7	48.1	68.2	-20.1	Peak	Horizontal
	11472.0	41.0	7.7	48.7	74.0	-25.3	Peak	Horizontal
*	14795.5	39.5	11.6	51.1	68.2	-17.1	Peak	Horizontal
	15909.0	39.4	9.2	48.6	74.0	-25.4	Peak	Horizontal
*	9738.0	42.3	6.0	48.3	68.2	-19.9	Peak	Vertical
	11030.0	41.9	7.4	49.3	74.0	-24.7	Peak	Vertical
*	14778.5	39.4	11.5	50.9	68.2	-17.3	Peak	Vertical
	15501.0	38.6	10.2	48.8	74.0	-25.2	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	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2023-05-22	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
*	10180.0	47.9	-4.7	43.2	68.2	-25.0	Peak	Horizontal
	11353.0	47.5	-3.5	44.0	74.0	-30.0	Peak	Horizontal
*	13784.0	46.0	-0.9	45.1	68.2	-23.1	Peak	Horizontal
	15705.0	44.8	2.5	47.3	74.0	-26.7	Peak	Horizontal
*	9908.0	48.6	-4.8	43.8	68.2	-24.4	Peak	Vertical
	11489.0	48.1	-3.8	44.3	74.0	-29.7	Peak	Vertical
	15926.0	43.7	3.5	47.2	74.0	-26.8	Peak	Vertical
*	17337.0	44.6	6.5	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	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2023-05-22	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
*	10103.5	47.4	-4.6	42.8	68.2	-25.4	Peak	Horizontal
	11684.5	47.4	-4.1	43.3	74.0	-30.7	Peak	Horizontal
	15671.0	45.1	1.8	46.9	74.0	-27.1	Peak	Horizontal
*	17337.0	43.6	6.5	50.1	68.2	-18.1	Peak	Horizontal
*	10205.5	47.7	-4.7	43.0	68.2	-25.2	Peak	Vertical
	11574.0	50.1	-3.9	46.2	74.0	-27.8	Peak	Vertical
	15535.0	43.7	2.3	46.0	74.0	-28.0	Peak	Vertical
*	16614.5	44.1	4.1	48.2	68.2	-20.0	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	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2023-05-22	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
*	10103.5	47.7	-4.6	43.1	68.2	-25.1	Peak	Horizontal
	11166.0	47.5	-4.4	43.1	74.0	-30.9	Peak	Horizontal
*	13614.0	45.9	-0.8	45.1	68.2	-23.1	Peak	Horizontal
	15917.5	43.9	3.4	47.3	74.0	-26.7	Peak	Horizontal
*	10129.0	48.0	-4.6	43.4	68.2	-24.8	Peak	Vertical
	11650.5	48.5	-4.0	44.5	74.0	-29.5	Peak	Vertical
*	13614.0	45.3	-0.8	44.5	68.2	-23.7	Peak	Vertical
	15807.0	43.9	3.0	46.9	74.0	-27.1	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	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2023-05-22	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
*	10503.0	47.5	-4.2	43.3	68.2	-24.9	Peak	Horizontal
	12007.5	47.2	-3.7	43.5	74.0	-30.5	Peak	Horizontal
*	13614.0	46.3	-0.8	45.5	68.2	-22.7	Peak	Horizontal
	15909.0	44.4	3.3	47.7	74.0	-26.3	Peak	Horizontal
*	10503.0	48.1	-4.2	43.9	68.2	-24.3	Peak	Vertical
	11854.5	47.0	-3.7	43.3	74.0	-30.7	Peak	Vertical
*	13869.0	45.1	-0.5	44.6	68.2	-23.6	Peak	Vertical
	16011.0	45.1	2.7	47.8	74.0	-26.2	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	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2023-05-22	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
*	10137.5	47.8	-4.7	43.1	68.2	-25.1	Peak	Horizontal
	12169.0	47.2	-3.2	44.0	74.0	-30.0	Peak	Horizontal
*	14039.0	44.3	-1.6	42.7	68.2	-25.5	Peak	Horizontal
	16096.0	44.3	3.3	47.6	74.0	-26.4	Peak	Horizontal
*	9993.0	47.8	-4.9	42.9	68.2	-25.3	Peak	Vertical
	12160.5	47.3	-3.3	44.0	74.0	-30.0	Peak	Vertical
*	13716.0	45.9	-1.3	44.6	68.2	-23.6	Peak	Vertical
	15569.0	44.0	2.4	46.4	74.0	-27.6	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	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2023-05-22	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
*	10052.5	48.2	-5.0	43.2	68.2	-25.0	Peak	Horizontal
	11718.5	47.1	-3.9	43.2	74.0	-30.8	Peak	Horizontal
*	13996.5	46.1	-0.8	45.3	68.2	-22.9	Peak	Horizontal
	15688.0	45.1	2.4	47.5	74.0	-26.5	Peak	Horizontal
*	10384.0	47.6	-4.6	43.0	68.2	-25.2	Peak	Vertical
	11225.5	47.5	-4.2	43.3	74.0	-30.7	Peak	Vertical
*	13869.0	45.3	-0.5	44.8	68.2	-23.4	Peak	Vertical
	15807.0	44.7	3.0	47.7	74.0	-26.3	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	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2023-05-22	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
*	10163.0	48.5	-4.8	43.7	68.2	-24.5	Peak	Horizontal
	11472.0	47.5	-3.8	43.7	74.0	-30.3	Peak	Horizontal
*	13733.0	45.3	-0.8	44.5	68.2	-23.7	Peak	Horizontal
	15688.0	44.5	2.4	46.9	74.0	-27.1	Peak	Horizontal
*	10520.0	48.1	-4.5	43.6	68.2	-24.6	Peak	Vertical
	12279.5	46.8	-3.3	43.5	74.0	-30.5	Peak	Vertical
*	13801.0	44.9	-0.7	44.2	68.2	-24.0	Peak	Vertical
	15679.5	44.1	2.1	46.2	74.0	-27.8	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	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2023-05-22	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
*	10103.5	47.1	-4.6	42.5	68.2	-25.7	Peak	Horizontal
	11761.0	47.0	-4.0	43.0	74.0	-31.0	Peak	Horizontal
*	13750.0	45.8	-1.4	44.4	68.2	-23.8	Peak	Horizontal
	15688.0	44.3	2.4	46.7	74.0	-27.3	Peak	Horizontal
*	9916.5	48.8	-4.8	44.0	68.2	-24.2	Peak	Vertical
	12339.0	47.4	-3.3	44.1	74.0	-29.9	Peak	Vertical
*	13614.0	46.0	-0.8	45.2	68.2	-23.0	Peak	Vertical
	15917.5	44.8	3.4	48.2	74.0	-25.8	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	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2023-05-22	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
	11582.5	45.8	-3.9	41.9	74.0	-32.1	Peak	Horizontal
*	13707.5	46.2	-1.2	45.0	68.2	-23.2	Peak	Horizontal
	15424.5	46.3	1.7	48.0	74.0	-26.0	Peak	Horizontal
*	16946.0	43.7	4.8	48.5	68.2	-19.7	Peak	Horizontal
*	10367.0	47.7	-4.8	42.9	68.2	-25.3	Peak	Vertical
	11846.0	46.8	-3.5	43.3	74.0	-30.7	Peak	Vertical
*	13775.5	45.2	-0.9	44.3	68.2	-23.9	Peak	Vertical
	15909.0	44.0	3.3	47.3	74.0	-26.7	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	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2023-05-22	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
*	10205.5	48.0	-4.7	43.3	68.2	-24.9	Peak	Horizontal
	11353.0	47.6	-3.5	44.1	74.0	-29.9	Peak	Horizontal
*	13605.5	46.6	-1.1	45.5	68.2	-22.7	Peak	Horizontal
	16121.5	44.3	3.6	47.9	74.0	-26.1	Peak	Horizontal
*	10214.0	47.9	-4.7	43.2	68.2	-25.0	Peak	Vertical
	11514.5	46.8	-3.8	43.0	74.0	-31.0	Peak	Vertical
*	14753.0	45.2	1.4	46.6	68.2	-21.6	Peak	Vertical
	15883.5	44.4	2.7	47.1	74.0	-26.9	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	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2023-05-22	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
*	10078.0	46.0	-4.6	41.4	68.2	-26.8	Peak	Horizontal
	11829.0	47.2	-3.6	43.6	74.0	-30.4	Peak	Horizontal
*	13699.0	46.1	-1.1	45.0	68.2	-23.2	Peak	Horizontal
	15441.5	45.3	1.5	46.8	74.0	-27.2	Peak	Horizontal
*	10103.5	47.8	-4.6	43.2	68.2	-25.0	Peak	Vertical
	12296.5	46.7	-3.4	43.3	74.0	-30.7	Peak	Vertical
*	13614.0	46.2	-0.8	45.4	68.2	-22.8	Peak	Vertical
	15433.0	45.2	2.2	47.4	74.0	-26.6	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	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2023-05-22	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
*	10409.5	48.1	-4.8	43.3	68.2	-24.9	Peak	Horizontal
	11829.0	46.8	-3.6	43.2	74.0	-30.8	Peak	Horizontal
*	13605.5	46.2	-1.1	45.1	68.2	-23.1	Peak	Horizontal
	15909.0	44.0	3.3	47.3	74.0	-26.7	Peak	Horizontal
*	10103.5	48.3	-4.6	43.7	68.2	-24.5	Peak	Vertical
	11506.0	48.4	-3.7	44.7	74.0	-29.3	Peak	Vertical
*	13614.0	45.4	-0.8	44.6	68.2	-23.6	Peak	Vertical
	15866.5	44.3	2.4	46.7	74.0	-27.3	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	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2023-05-22	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
*	9933.5	47.9	-5.1	42.8	68.2	-25.4	Peak	Horizontal
	11829.0	47.0	-3.6	43.4	74.0	-30.6	Peak	Horizontal
*	13962.5	46.4	-1.1	45.3	68.2	-22.9	Peak	Horizontal
	15934.5	45.2	2.9	48.1	74.0	-25.9	Peak	Horizontal
*	10001.5	47.6	-4.8	42.8	68.2	-25.4	Peak	Vertical
	11591.0	49.6	-3.9	45.7	74.0	-28.3	Peak	Vertical
*	13758.5	46.3	-1.1	45.2	68.2	-23.0	Peak	Vertical
	15832.5	44.9	2.7	47.6	74.0	-26.4	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	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2023-05-22	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
*	10171.5	48.8	-4.8	44.0	68.2	-24.2	Peak	Horizontal
	12194.5	47.0	-3.3	43.7	74.0	-30.3	Peak	Horizontal
*	13792.5	46.0	-0.8	45.2	68.2	-23.0	Peak	Horizontal
	16121.5	44.5	3.6	48.1	74.0	-25.9	Peak	Horizontal
*	10180.0	47.7	-4.7	43.0	68.2	-25.2	Peak	Vertical
	11846.0	47.5	-3.5	44.0	74.0	-30.0	Peak	Vertical
*	13733.0	45.7	-0.8	44.9	68.2	-23.3	Peak	Vertical
	15654.0	44.6	1.8	46.4	74.0	-27.6	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	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2023-05-22	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
*	10197.0	47.4	-4.8	42.6	68.2	-25.6	Peak	Horizontal
	12483.5	46.6	-3.0	43.6	74.0	-30.4	Peak	Horizontal
*	13614.0	45.6	-0.8	44.8	68.2	-23.4	Peak	Horizontal
	15713.5	44.3	2.4	46.7	74.0	-27.3	Peak	Horizontal
*	10010.0	48.4	-4.6	43.8	68.2	-24.4	Peak	Vertical
	12500.5	47.0	-2.7	44.3	74.0	-29.7	Peak	Vertical
	15577.5	44.3	2.6	46.9	74.0	-27.1	Peak	Vertical
*	17337.0	43.7	6.5	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	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2023-05-22	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
*	10137.5	47.7	-4.7	43.0	68.2	-25.2	Peak	Horizontal
	12084.0	47.7	-3.2	44.5	74.0	-29.5	Peak	Horizontal
*	14226.0	46.4	-1.1	45.3	68.2	-22.9	Peak	Horizontal
	15705.0	45.3	2.5	47.8	74.0	-26.2	Peak	Horizontal
*	10290.5	48.3	-4.9	43.4	68.2	-24.8	Peak	Vertical
	12254.0	47.0	-3.3	43.7	74.0	-30.3	Peak	Vertical
*	13665.0	46.3	-1.6	44.7	68.2	-23.5	Peak	Vertical
	15917.5	44.9	3.4	48.3	74.0	-25.7	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	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2023-05-22	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
*	10443.5	48.6	-4.7	43.9	68.2	-24.3	Peak	Horizontal
	11999.0	46.9	-3.5	43.4	74.0	-30.6	Peak	Horizontal
*	13920.0	46.8	-1.0	45.8	68.2	-22.4	Peak	Horizontal
	15696.5	44.9	2.4	47.3	74.0	-26.7	Peak	Horizontal
*	10163.0	47.9	-4.8	43.1	68.2	-25.1	Peak	Vertical
	11684.5	47.6	-4.1	43.5	74.0	-30.5	Peak	Vertical
*	14838.0	44.7	1.0	45.7	68.2	-22.5	Peak	Vertical
	15807.0	44.3	3.0	47.3	74.0	-26.7	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	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2023-05-22	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
*	10494.5	48.1	-4.3	43.8	68.2	-24.4	Peak	Horizontal
	11846.0	47.0	-3.5	43.5	74.0	-30.5	Peak	Horizontal
*	14379.0	45.1	0.1	45.2	68.2	-23.0	Peak	Horizontal
	15909.0	44.5	3.3	47.8	74.0	-26.2	Peak	Horizontal
*	9967.5	48.2	-4.8	43.4	68.2	-24.8	Peak	Vertical
	12084.0	46.6	-3.2	43.4	74.0	-30.6	Peak	Vertical
*	13894.5	45.7	-1.0	44.7	68.2	-23.5	Peak	Vertical
	15824.0	44.4	2.6	47.0	74.0	-27.0	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	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2023-05-22	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
*	10095.0	48.2	-4.5	43.7	68.2	-24.5	Peak	Horizontal
	11837.5	46.8	-3.5	43.3	74.0	-30.7	Peak	Horizontal
*	14107.0	45.9	-0.7	45.2	68.2	-23.0	Peak	Horizontal
	15909.0	44.5	3.3	47.8	74.0	-26.2	Peak	Horizontal
*	9950.5	47.8	-5.0	42.8	68.2	-25.4	Peak	Vertical
	11548.5	48.8	-3.9	44.9	74.0	-29.1	Peak	Vertical
*	14107.0	43.9	-0.7	43.2	68.2	-25.0	Peak	Vertical
	15705.0	43.4	2.5	45.9	74.0	-28.1	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	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2023-05-22	Test Mode	802.11ax-HE80+80 – Channel 42+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
	11506.0	47.1	-3.7	43.4	74.0	-30.6	Peak	Horizontal
*	13614.0	45.0	-0.8	44.2	68.2	-24.0	Peak	Horizontal
	15909.0	43.8	3.3	47.1	74.0	-26.9	Peak	Horizontal
*	17337.0	43.7	6.5	50.2	68.2	-18.0	Peak	Horizontal
*	9542.5	49.1	-5.0	44.1	68.2	-24.1	Peak	Vertical
	11973.5	47.3	-3.6	43.7	74.0	-30.3	Peak	Vertical
*	13733.0	46.5	-0.8	45.7	68.2	-22.5	Peak	Vertical
	15934.5	45.2	2.9	48.1	74.0	-25.9	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	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2023-05-22	Test Mode	802.11ax-HE80+80 – Channel 106+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
	12347.5	46.8	-3.2	43.6	74.0	-30.4	Peak	Horizontal
*	13784.0	46.4	-0.9	45.5	68.2	-22.7	Peak	Horizontal
	15781.5	44.6	2.1	46.7	74.0	-27.3	Peak	Horizontal
*	17337.0	43.6	6.5	50.1	68.2	-18.1	Peak	Horizontal
*	10069.5	48.1	-4.7	43.4	68.2	-24.8	Peak	Vertical
	12135.0	47.4	-3.6	43.8	74.0	-30.2	Peak	Vertical
*	13716.0	46.6	-1.3	45.3	68.2	-22.9	Peak	Vertical
	15917.5	44.1	3.4	47.5	74.0	-26.5	Peak	Vertical

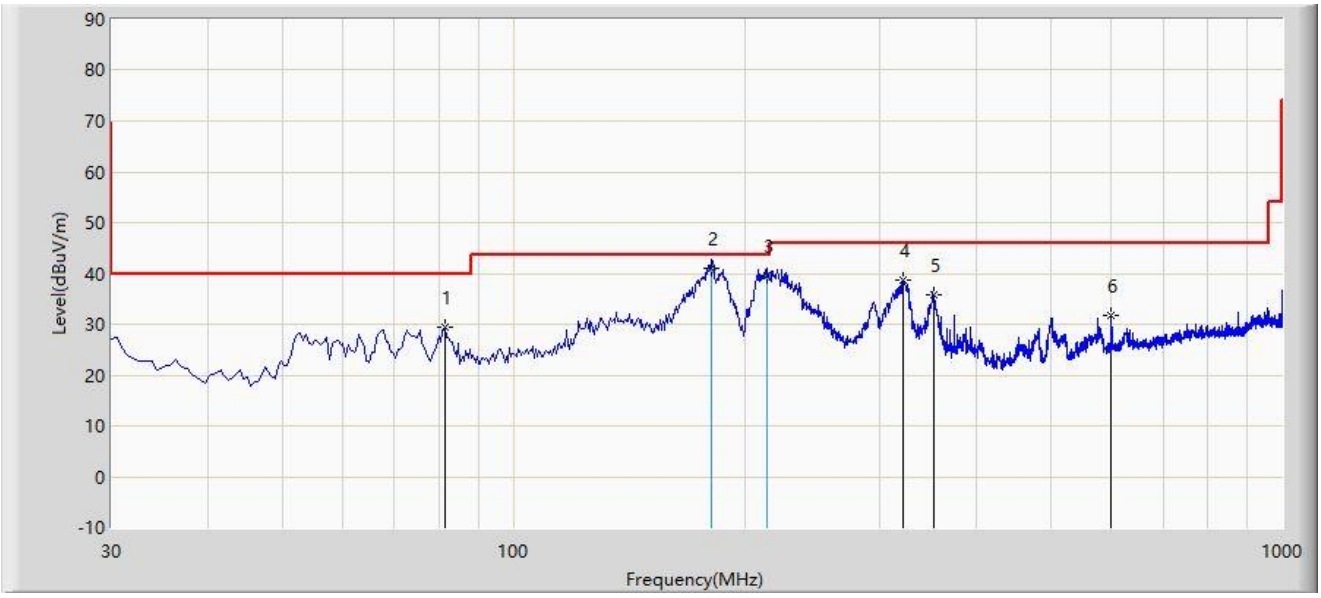
Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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)

The Result of Radiated Emission below 1GHz:

Site: SIP-AC1	Test Date: 2023-05-23
Limit: FCC_Part15.209_RSE(3m)	Engineer: Mero Zhou
Probe: VULB 9168_00998_25-2000MHz	Polarity: Horizontal
EUT: WiFi 6 (802.11ax) 4×4 MU-MIMO Tri Band Access point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at 5795MHz	



No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		81.410	29.512	16.330	-10.488	40.000	13.182	PK
2	*	181.320	41.042	24.700	-2.458	43.500	16.342	QP
3		213.330	39.681	25.100	-3.819	43.500	14.580	QP
4		321.970	38.697	19.657	-7.303	46.000	19.040	PK
5		351.555	35.881	16.465	-10.119	46.000	19.417	PK
6		599.875	31.846	6.340	-14.154	46.000	25.506	PK

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

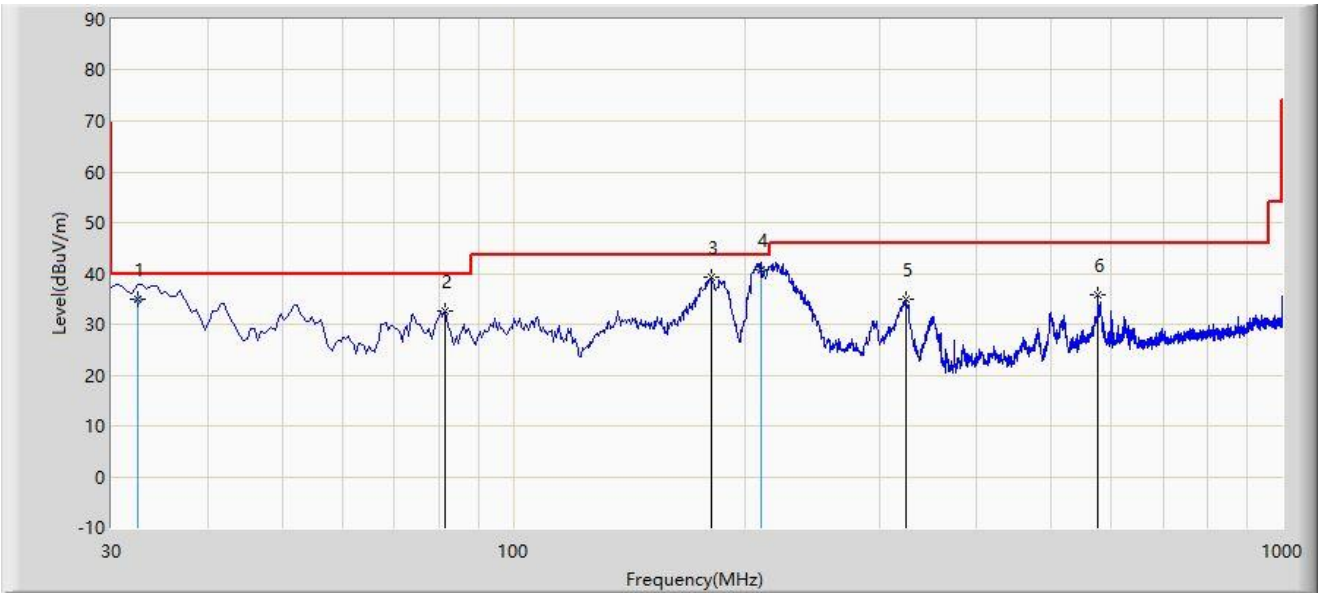
Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

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

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

Note 5: The amplitude of radiated emissions (frequency range from 9kHz to 30MHz and 18GHz to 40GHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value. Therefore, the data is not presented in the report.

Site: SIP-AC1	Test Date: 2023-05-23
Limit: FCC_Part15.209_RSE(3m)	Engineer: Mero Zhou
Probe: VULB 9168_00998_25-2000MHz	Polarity: Vertical
EUT: WiFi 6 (802.11ax) 4×4 MU-MIMO Tri Band Access point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at 5795MHz	



No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		32.425	35.053	18.100	-4.947	40.000	16.954	QP
2		81.410	32.594	19.412	-7.406	40.000	13.182	PK
3		180.835	39.221	22.848	-4.279	43.500	16.373	PK
4	*	209.935	40.795	26.300	-2.705	43.500	14.495	QP
5		324.395	34.876	15.776	-11.124	46.000	19.100	PK
6		576.110	35.809	11.263	-10.191	46.000	24.546	PK

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

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

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

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

Note 5: The amplitude of radiated emissions (frequency range from 9kHz to 30MHz and 18GHz to 40GHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value. Therefore, the data is not presented in the report.