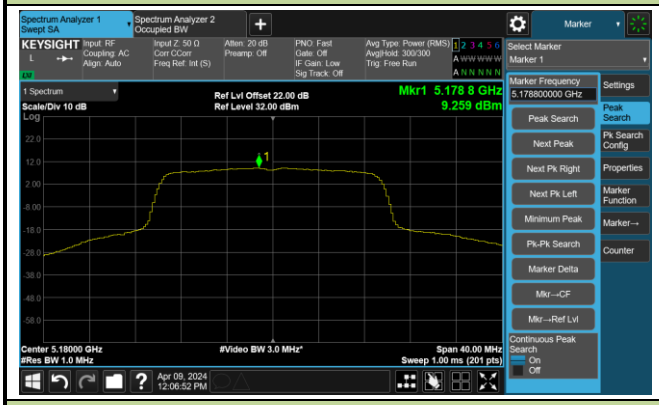
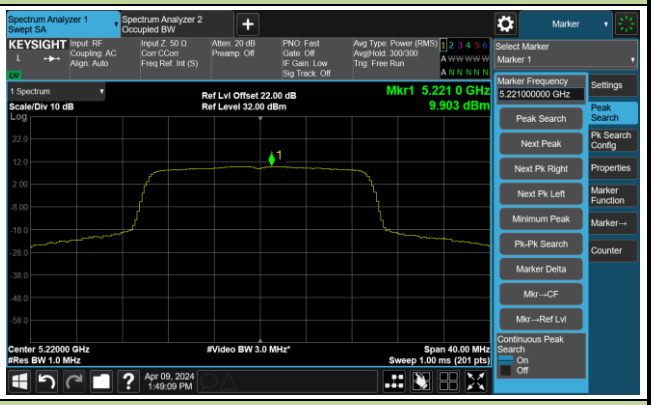
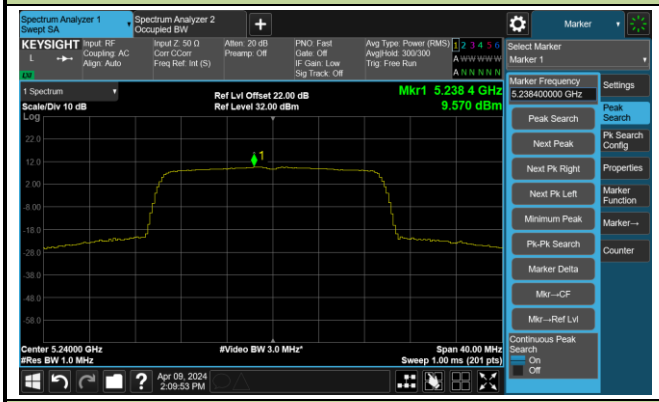
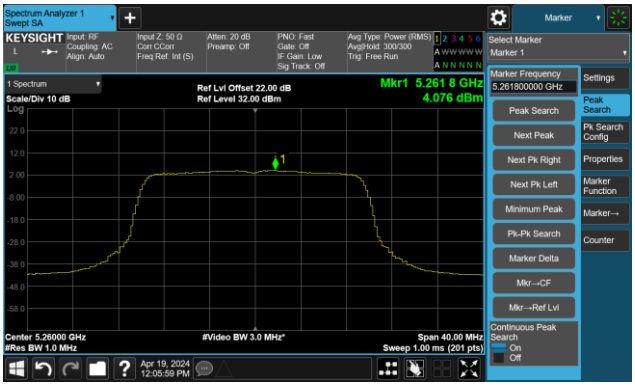
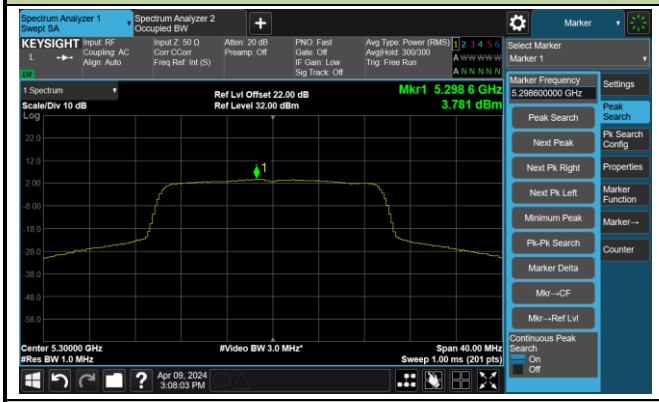
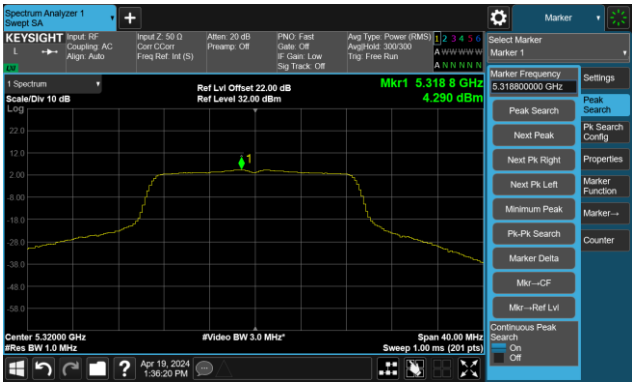
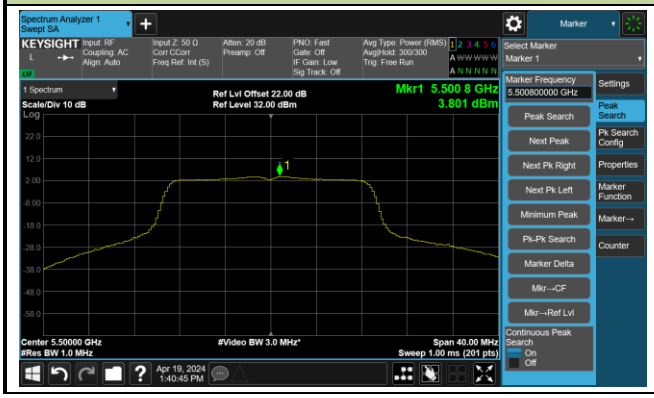
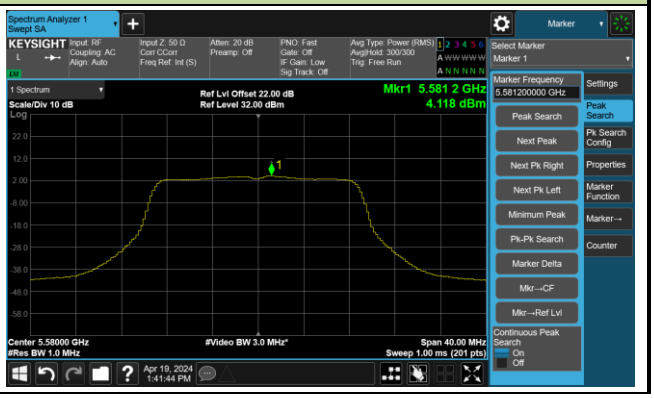
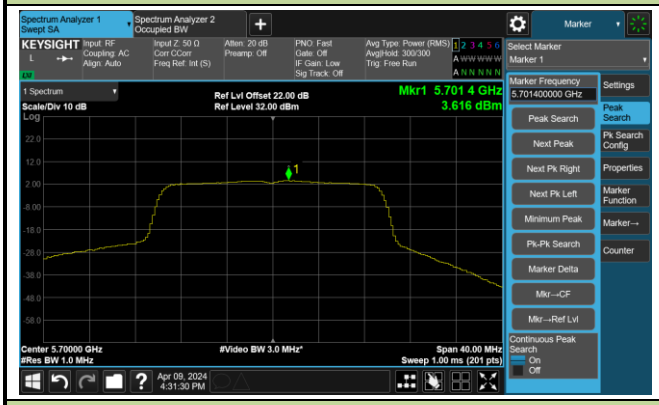
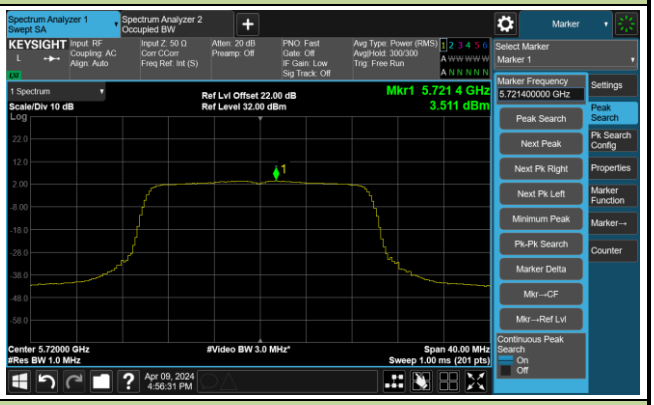
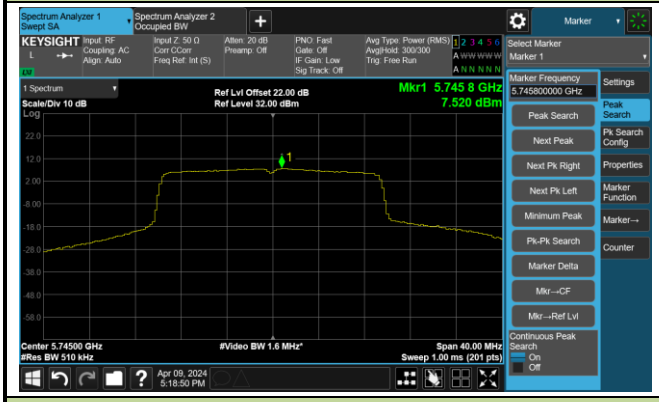
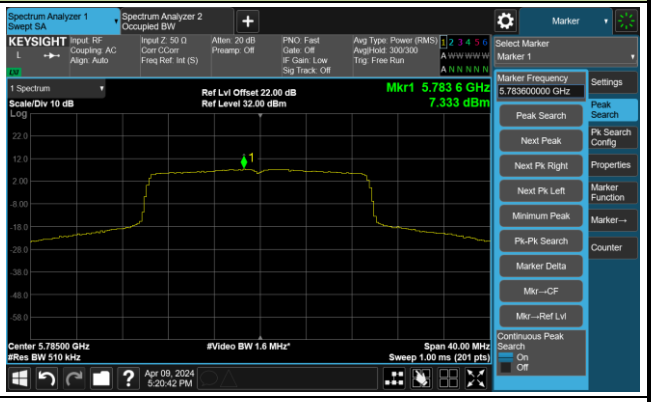
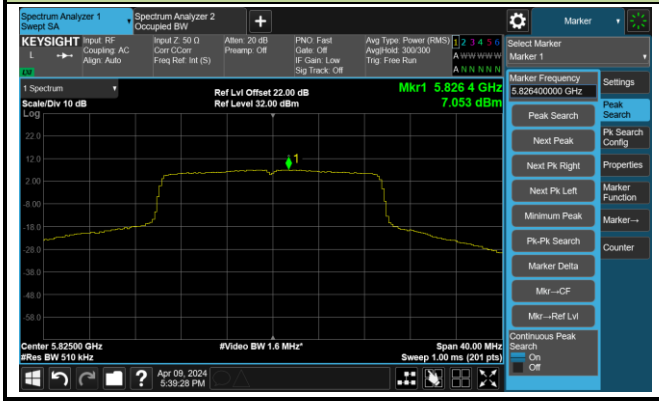
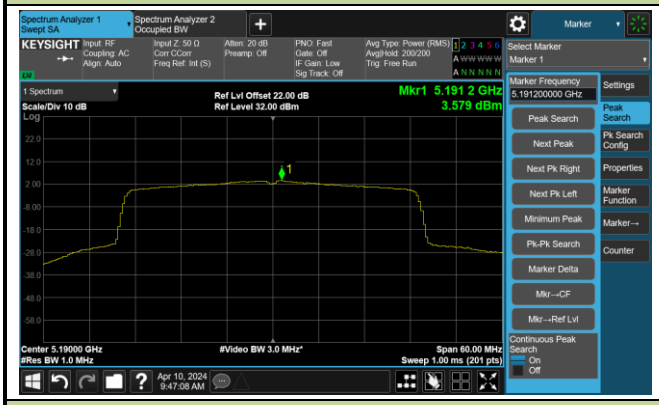
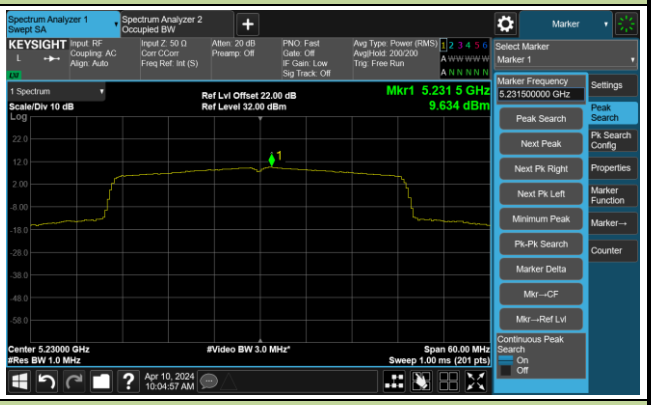
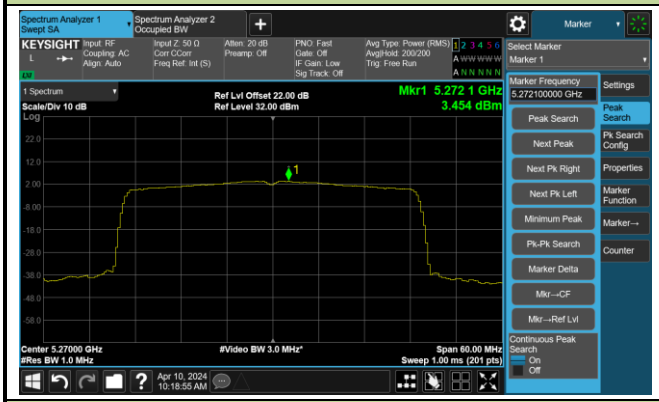
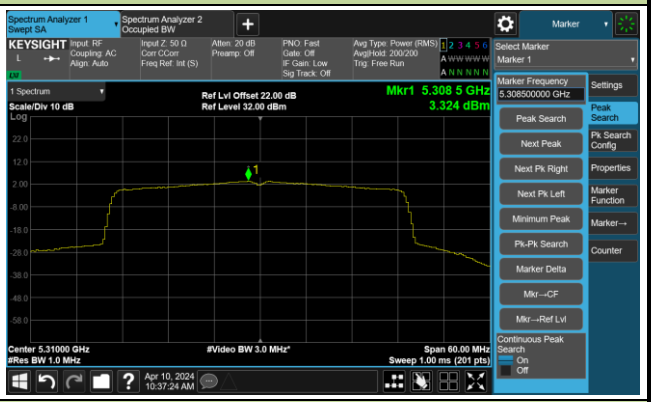
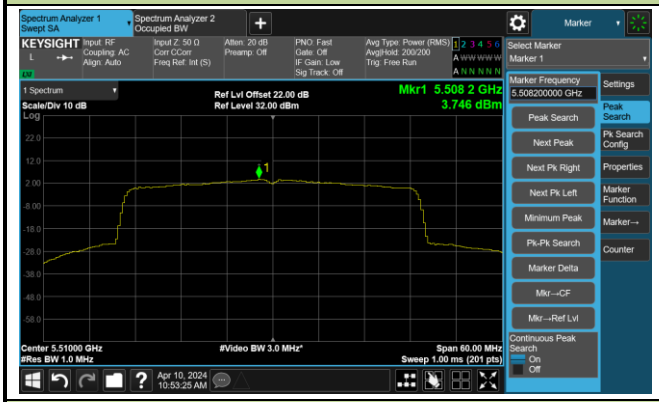
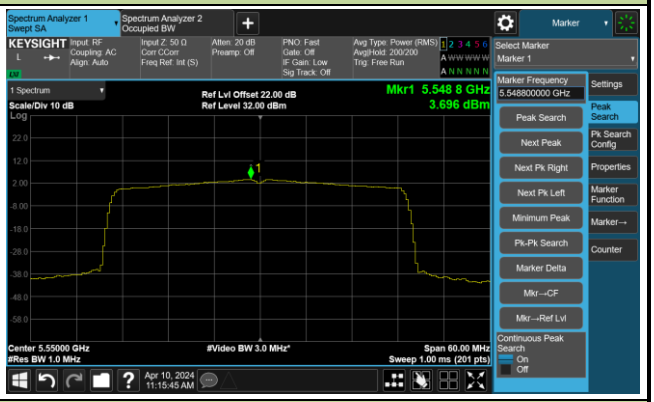
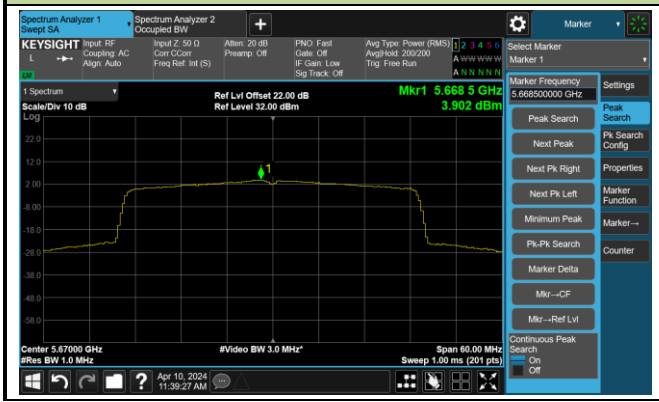
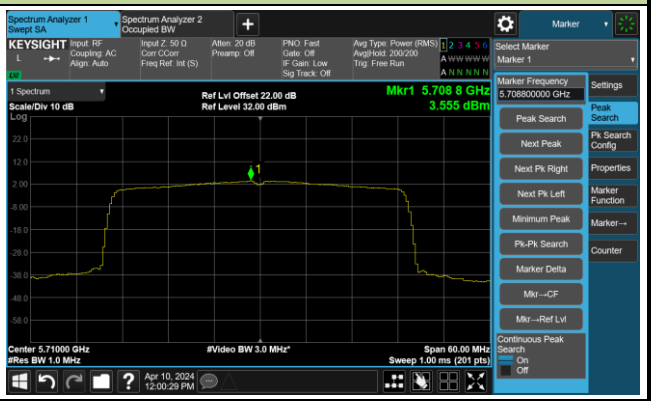
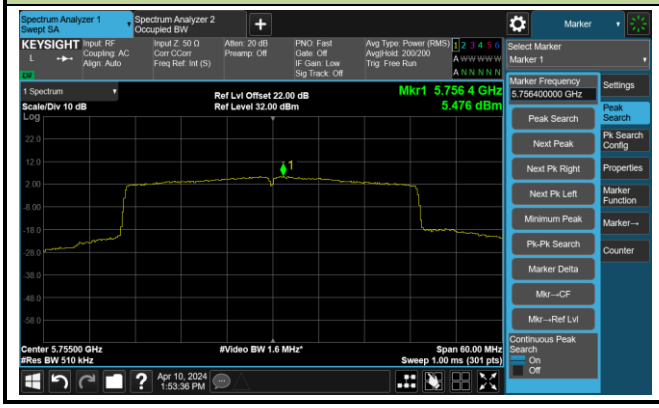
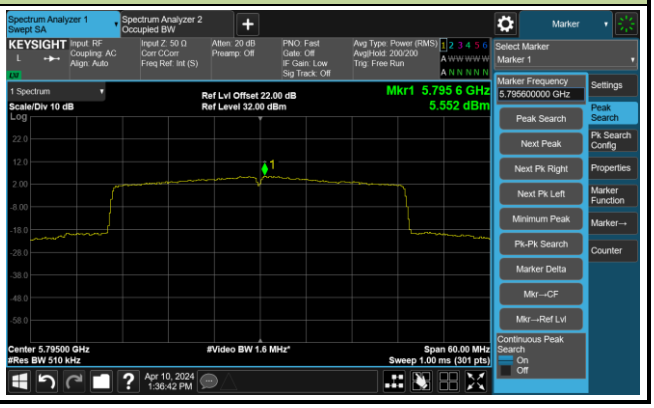
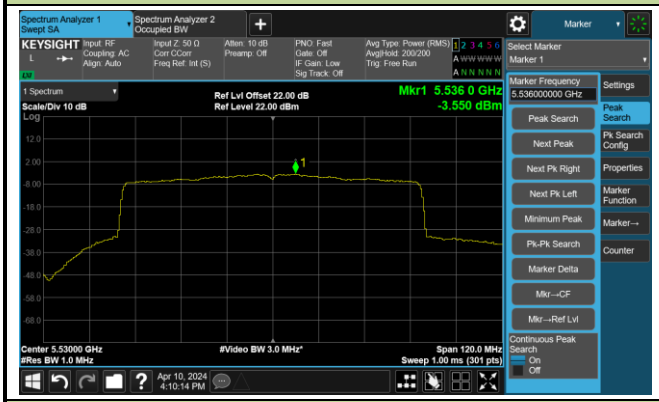
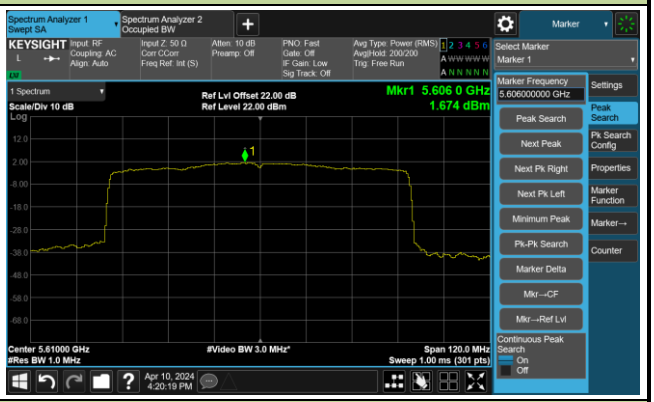
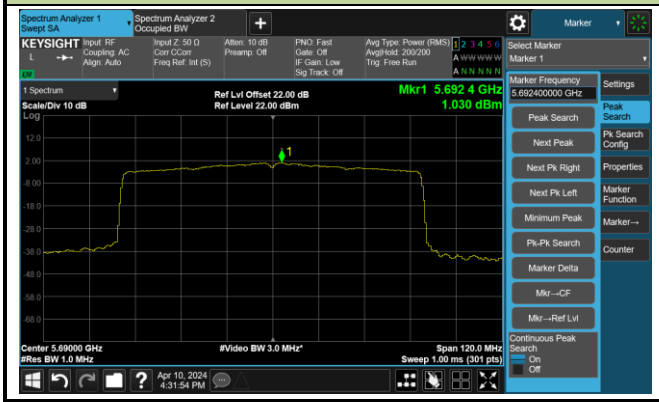
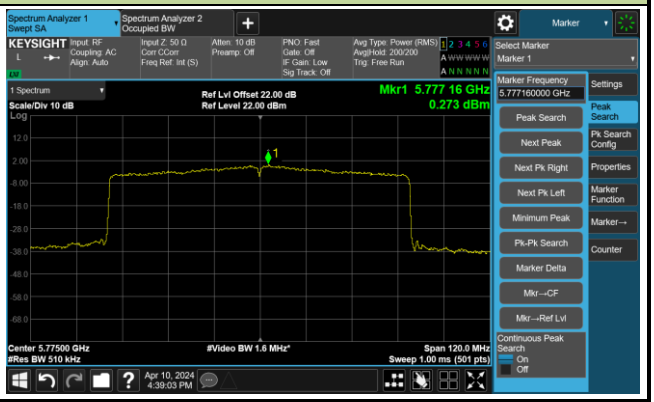
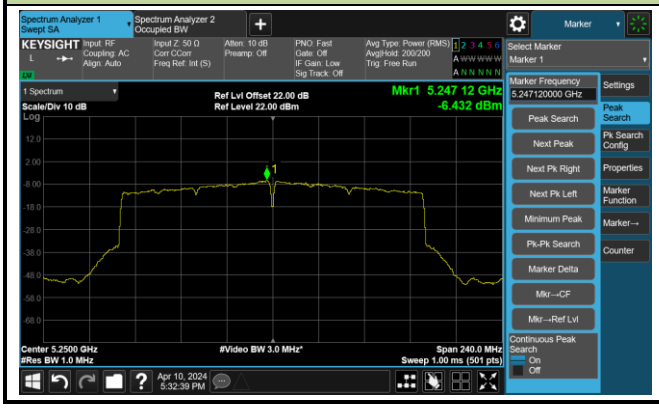
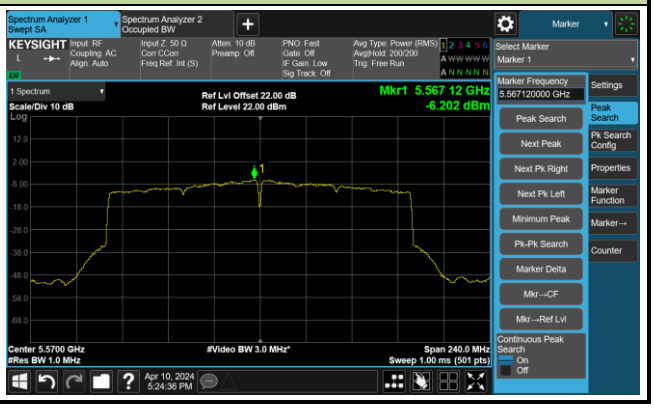
802.11ax-HE20 Power Spectral Density- Ant 2	
Channel 36 (5180MHz)	Channel 44 (5220MHz)
	
Channel 48 (5240MHz)	Channel 52 (5260MHz)
	
Channel 60 (5300MHz)	Channel 64 (5320MHz)
	
Channel 100 (5500MHz)	Channel 116 (5580MHz)
	

802.11ax-HE20 Power Spectral Density- Ant 2	
Channel 140 (5700MHz)	Channel 144(5720MHz)
	
Channel 149 (5745MHz)	Channel 157 (5785MHz)
	
Channel 165 (5825MHz)	
	

802.11ax-HE40 Power Spectral Density- Ant 2	
Channel 38 (5190MHz)	Channel 46 (5230MHz)
	
Channel 54 (5270MHz)	Channel 62 (5310MHz)
	
Channel 102 (5510MHz)	Channel 110 (5550MHz)
	
Channel 134 (5670MHz)	Channel 142(5710MHz)
	

802.11ax-HE40 Power Spectral Density- Ant 2	
Channel 151 (5755MHz)	Channel 159 (5795MHz)
	

802.11ax-HE80 Power Spectral Density- Ant 2	
Channel 42 (5210MHz)	Channel 58 (5290MHz)
	
Channel 106 (5530MHz)	Channel 122 (5610MHz)
	
Channel 138 (5690MHz)	Channel 155 (5775MHz)
	

802.11ax-HE160 Power Spectral Density- Ant 2	
Channel 50 (5250MHz)	Channel 114 (5570MHz)
	

A.6 Frequency Stability Test Result

Test Site	SIP-TR1	Test Engineer	Alisa Deng
Test Date	2024-05-28 ~ 2024-06-13	Test Mode	5180MHz (Carrier Mode)

Voltage (%)	Power (VAC)	Temp (°C)	Frequency Tolerance (ppm)			
			0 minutes	2 minutes	5 minutes	10 minutes
100%	120	- 30	2.78	3.78	6.35	9.91
		- 20	9.41	9.38	9.31	9.23
		- 10	7.67	6.83	6.36	6.2
		0	4.37	3.29	2.72	2.51
		+ 10	-1.36	-1.78	-1.99	-2.00
		+ 20	-14.56	-14.86	-15.12	-15.38
		+ 30	-10.18	-10.68	-11.09	-11.17
		+ 40	-13.98	-14.28	-14.53	-14.67
		+ 50	-15.92	-15.97	-15.98	-15.97
115%	138	+ 20	-13.78	-14.76	-14.94	-15.06
85%	102	+ 20	-13.55	-15.05	-15.45	-15.64

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-AC3	Test Engineer	Mero Zhou
Test Date	2024-03-29	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 shown in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10358.5	57.5	-1.6	55.9	68.2	-12.3	Peak	Horizontal
	11710.0	47.5	-1.6	45.9	74.0	-28.1	Peak	Horizontal
*	14243.0	46.6	2.8	49.4	68.2	-18.8	Peak	Horizontal
	15781.5	45.1	5.0	50.1	74.0	-23.9	Peak	Horizontal
*	10358.5	49.4	-1.6	47.8	68.2	-20.4	Peak	Vertical
	11701.5	47.9	-1.6	46.3	74.0	-27.7	Peak	Vertical
*	14260.0	46.5	3.1	49.6	68.2	-18.6	Peak	Vertical
	15679.5	45.5	4.7	50.2	74.0	-23.8	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-AC3	Test Engineer	Mero Zhou
Test Date	2024-03-29	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 shown 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	66.9	-1.4	65.5	68.2	-2.7	Peak	Horizontal
	11140.5	47.7	-1.4	46.3	74.0	-27.7	Peak	Horizontal
*	14158.0	46.7	3.1	49.8	68.2	-18.4	Peak	Horizontal
	15654.0	47.6	4.1	51.7	74.0	-22.3	Peak	Horizontal
	15654.0	38.9	4.1	43.0	54.0	-11.0	Average	Horizontal
*	10443.5	58.1	-1.4	56.7	68.2	-11.5	Peak	Vertical
	11608.0	47.4	-1.6	45.8	74.0	-28.2	Peak	Vertical
*	13835.0	46.6	2.4	49.0	68.2	-19.2	Peak	Vertical
	15654.0	49.3	4.1	53.4	74.0	-20.6	Peak	Vertical
	15654.0	41.8	4.1	45.9	54.0	-8.1	Average	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-AC3	Test Engineer	Mero Zhou
Test Date	2024-03-29	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 shown 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	67.2	-1.4	65.8	68.2	-2.4	Peak	Horizontal
	11888.5	47.2	-1.8	45.4	74.0	-28.6	Peak	Horizontal
*	14175.0	45.2	3.7	48.9	68.2	-19.3	Peak	Horizontal
	15713.5	48.7	4.8	53.5	74.0	-20.5	Peak	Horizontal
	15713.5	38.9	4.8	43.7	54.0	-10.3	Average	Horizontal
*	10486.0	59.1	-1.3	57.8	68.2	-10.4	Peak	Vertical
	11710.0	47.2	-1.6	45.6	74.0	-28.4	Peak	Vertical
*	14149.5	46.5	3.0	49.5	68.2	-18.7	Peak	Vertical
	15722.0	48.8	4.6	53.4	74.0	-20.6	Peak	Vertical
	15722.0	41.0	4.6	45.6	54.0	-8.4	Average	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-AC3	Test Engineer	Mero Zhou
Test Date	2024-03-29	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 shown 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	66.3	-1.3	65.0	68.2	-3.2	Peak	Horizontal
	10783.5	49.3	-1.7	47.6	74.0	-26.4	Peak	Horizontal
*	14260.0	47.0	3.1	50.1	68.2	-18.1	Peak	Horizontal
	15773.0	47.4	4.9	52.3	74.0	-21.7	Peak	Horizontal
	15773.0	39.3	4.9	44.2	54.0	-9.8	Average	Horizontal
*	10520.0	59.3	-1.3	58.0	68.2	-10.2	Peak	Vertical
	11812.0	48.3	-1.8	46.5	74.0	-27.5	Peak	Vertical
*	14166.5	45.4	3.4	48.8	68.2	-19.4	Peak	Vertical
	15781.5	48.7	5.0	53.7	74.0	-20.3	Peak	Vertical
	15781.5	40.5	5.0	45.5	54.0	-8.5	Average	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-AC3	Test Engineer	Mero Zhou
Test Date	2024-03-29	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 shown in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
	10605.0	61.3	-1.1	60.2	74.0	-13.8	Peak	Horizontal
	10605.0	54.8	-1.1	53.7	54.0	-0.3	Average	Horizontal
	12084.0	49.3	-1.8	47.5	74.0	-26.5	Peak	Horizontal
*	14005.0	46.4	2.5	48.9	68.2	-19.3	Peak	Horizontal
*	16895.0	44.6	6.8	51.4	68.2	-16.8	Peak	Horizontal
	10605.0	54.5	-1.1	53.4	74.0	-20.6	Peak	Vertical
	10605.0	48.0	-1.1	46.9	54.0	-7.1	Average	Vertical
	12296.5	47.7	-1.5	46.2	74.0	-27.8	Peak	Vertical
*	14209.0	46.4	3.0	49.4	68.2	-18.8	Peak	Vertical
*	16946.0	44.6	6.8	51.4	68.2	-16.8	Peak	Vertical

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

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

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

Test Site	SIP-AC3	Test Engineer	Mero Zhou
Test Date	2024-03-29	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 shown in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
	10639.0	61.9	-1.7	60.2	74.0	-13.8	Peak	Horizontal
	10639.0	53.8	-1.7	52.1	54.0	-1.9	Average	Horizontal
	12177.5	47.7	-1.6	46.1	74.0	-27.9	Peak	Horizontal
*	14166.5	45.8	3.4	49.2	68.2	-19.0	Peak	Horizontal
*	16376.5	44.8	5.7	50.5	68.2	-17.7	Peak	Horizontal
	10630.5	52.9	-1.6	51.3	74.0	-22.7	Peak	Vertical
	10630.5	47.0	-1.6	45.4	54.0	-8.6	Average	Vertical
	11081.0	48.2	-1.7	46.5	74.0	-27.5	Peak	Vertical
*	13724.5	47.4	1.9	49.3	68.2	-18.9	Peak	Vertical
*	16419.0	45.4	5.7	51.1	68.2	-17.1	Peak	Vertical

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

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

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

Test Site	SIP-AC3	Test Engineer	Mero Zhou
Test Date	2024-03-29	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 shown 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	47.2	-1.9	45.3	68.2	-22.9	Peak	Horizontal
	11004.5	62.3	-1.6	60.7	74.0	-13.3	Peak	Horizontal
	11004.5	53.6	-1.6	52.0	54.0	-2.0	Average	Horizontal
*	13911.5	46.3	2.5	48.8	68.2	-19.4	Peak	Horizontal
	15671.0	44.9	4.6	49.5	74.0	-24.5	Peak	Horizontal
*	10265.0	48.0	-1.5	46.5	68.2	-21.7	Peak	Vertical
	11004.5	58.7	-1.6	57.1	74.0	-16.9	Peak	Vertical
	11004.5	50.4	-1.6	48.8	54.0	-5.2	Average	Vertical
*	14183.5	46.3	3.2	49.5	68.2	-18.7	Peak	Vertical
	15764.5	44.9	4.6	49.5	74.0	-24.5	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-AC3	Test Engineer	Mero Zhou
Test Date	2024-03-29	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 shown in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB/m)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB/m)	Detector	Polarization
*	9976.0	46.4	-1.5	44.9	68.2	-23.3	Peak	Horizontal
	11157.5	63.2	-1.3	61.9	74.0	-12.1	Peak	Horizontal
	11157.5	54.3	-1.3	53.0	54.0	-1.0	Average	Horizontal
*	14107.0	46.5	2.8	49.3	68.2	-18.9	Peak	Horizontal
	15662.5	45.7	4.3	50.0	74.0	-24.0	Peak	Horizontal
*	9874.0	46.7	-1.8	44.9	68.2	-23.3	Peak	Vertical
	11157.5	62.5	-1.3	61.2	74.0	-12.8	Peak	Vertical
	11157.5	52.3	-1.3	51.0	54.0	-3.0	Average	Vertical
*	14158.0	46.1	3.1	49.2	68.2	-19.0	Peak	Vertical
	16028.0	45.9	4.9	50.8	74.0	-23.2	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-AC3	Test Engineer	Mero Zhou
Test Date	2024-03-29	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 shown 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	47.0	-1.5	45.5	68.2	-22.7	Peak	Horizontal
	11404.0	59.1	-1.6	57.5	74.0	-16.5	Peak	Horizontal
	11404.0	51.6	-1.6	50.0	54.0	-4.0	Average	Horizontal
*	14141.0	46.4	2.9	49.3	68.2	-18.9	Peak	Horizontal
	15671.0	45.3	4.6	49.9	74.0	-24.1	Peak	Horizontal
*	10316.0	46.9	-1.1	45.8	68.2	-22.4	Peak	Vertical
	11404.0	57.0	-1.6	55.4	74.0	-18.6	Peak	Vertical
	11404.0	47.8	-1.6	46.2	54.0	-7.8	Average	Vertical
*	14175.0	45.7	3.7	49.4	68.2	-18.8	Peak	Vertical
	15705.0	45.0	4.9	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-AC3	Test Engineer	Mero Zhou
Test Date	2024-03-29	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 shown in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB/m)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB/m)	Detector	Polarization
*	9857.0	47.2	-1.7	45.5	68.2	-22.7	Peak	Horizontal
	11438.0	63.9	-1.4	62.5	74.0	-11.5	Peak	Horizontal
	11438.0	55.0	-1.4	53.6	54.0	-0.4	Average	Horizontal
*	13826.5	46.8	2.2	49.0	68.2	-19.2	Peak	Horizontal
	15722.0	45.0	4.6	49.6	74.0	-24.4	Peak	Horizontal
	11438.0	61.2	-1.4	59.8	74.0	-14.2	Peak	Vertical
	11438.0	51.3	-1.4	49.9	54.0	-4.1	Average	Vertical
*	13869.0	46.7	2.5	49.2	68.2	-19.0	Peak	Vertical
	15671.0	45.0	4.6	49.6	74.0	-24.4	Peak	Vertical
*	17158.5	49.7	6.6	56.3	68.2	-11.9	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-AC3	Test Engineer	Mero Zhou
Test Date	2024-03-30	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 shown in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB/m)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB/m)	Detector	Polarization
*	9959.0	47.1	-1.6	45.5	68.2	-22.7	Peak	Horizontal
	11489.0	61.8	-1.6	60.2	74.0	-13.8	Peak	Horizontal
	11489.0	53.3	-1.6	51.7	54.0	-2.3	Average	Horizontal
*	13843.5	46.6	2.4	49.0	68.2	-19.2	Peak	Horizontal
	15671.0	46.1	4.6	50.7	74.0	-23.3	Peak	Horizontal
*	10256.5	46.7	-1.5	45.2	68.2	-23.0	Peak	Vertical
	11489.0	60.4	-1.6	58.8	74.0	-15.2	Peak	Vertical
	11489.0	50.1	-1.6	48.5	54.0	-5.5	Average	Vertical
*	14175.0	46.1	3.7	49.8	68.2	-18.4	Peak	Vertical
	15781.5	45.2	5.0	50.2	74.0	-23.8	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-AC3	Test Engineer	Mero Zhou
Test Date	2024-03-30	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 shown 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	47.2	-1.5	45.7	68.2	-22.5	Peak	Horizontal
	11574.0	59.8	-2.0	57.8	74.0	-16.2	Peak	Horizontal
	11574.0	50.9	-2.0	48.9	54.0	-5.1	Average	Horizontal
*	13894.5	46.6	2.5	49.1	68.2	-19.1	Peak	Horizontal
	15671.0	45.3	4.6	49.9	74.0	-24.1	Peak	Horizontal
*	10222.5	46.7	-1.5	45.2	68.2	-23.0	Peak	Vertical
	11574.0	58.0	-2.0	56.0	74.0	-18.0	Peak	Vertical
	11574.0	48.9	-2.0	46.9	54.0	-7.1	Average	Vertical
*	14243.0	46.4	2.8	49.2	68.2	-19.0	Peak	Vertical
	15696.5	45.4	4.9	50.3	74.0	-23.7	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-AC3	Test Engineer	Mero Zhou
Test Date	2024-03-30	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 shown 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	47.1	-1.5	45.6	68.2	-22.6	Peak	Horizontal
	11642.0	59.1	-1.7	57.4	74.0	-16.6	Peak	Horizontal
	11642.0	49.9	-1.7	48.2	54.0	-5.8	Average	Horizontal
*	14141.0	46.8	2.9	49.7	68.2	-18.5	Peak	Horizontal
	15747.5	45.7	4.1	49.8	74.0	-24.2	Peak	Horizontal
*	10129.0	47.1	-1.4	45.7	68.2	-22.5	Peak	Vertical
	11650.5	56.6	-1.7	54.9	74.0	-19.1	Peak	Vertical
	11650.5	49.3	-1.7	47.6	54.0	-6.4	Average	Vertical
*	14243.0	46.1	2.8	48.9	68.2	-19.3	Peak	Vertical
	15671.0	45.4	4.6	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-AC3	Test Engineer	Mero Zhou
Test Date	2024-03-29	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 shown in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
*	10358.5	58.6	-1.6	57.0	68.2	-11.2	Peak	Horizontal
	11871.5	47.0	-1.9	45.1	74.0	-28.9	Peak	Horizontal
*	14098.5	45.9	2.9	48.8	68.2	-19.4	Peak	Horizontal
	15696.5	45.8	4.9	50.7	74.0	-23.3	Peak	Horizontal
*	10358.5	49.7	-1.6	48.1	68.2	-20.1	Peak	Vertical
	11149.0	47.5	-1.4	46.1	74.0	-27.9	Peak	Vertical
*	14047.5	46.5	2.8	49.3	68.2	-18.9	Peak	Vertical
	15713.5	45.3	4.8	50.1	74.0	-23.9	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-AC3	Test Engineer	Mero Zhou
Test Date	2024-03-29	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 shown in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
*	10435.0	64.1	-1.3	62.8	68.2	-5.4	Peak	Horizontal
	11684.5	47.9	-1.6	46.3	74.0	-27.7	Peak	Horizontal
*	14081.5	46.0	2.9	48.9	68.2	-19.3	Peak	Horizontal
	15662.5	47.0	4.3	51.3	74.0	-22.7	Peak	Horizontal
	15662.5	38.1	4.3	42.4	54.0	-11.6	Average	Horizontal
*	10443.5	53.8	-1.4	52.4	68.2	-15.8	Peak	Vertical
	12101.0	47.2	-1.8	45.4	74.0	-28.6	Peak	Vertical
	15679.5	50.4	4.7	55.1	74.0	-18.9	Peak	Vertical
	15679.5	41.1	4.7	45.8	54.0	-8.2	Average	Vertical
*	17260.5	45.6	7.5	53.1	68.2	-15.1	Peak	Vertical

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

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

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

Test Site	SIP-AC3	Test Engineer	Mero Zhou
Test Date	2024-03-29	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 shown 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	65.7	-1.4	64.3	68.2	-3.9	Peak	Horizontal
	11693.0	47.5	-1.6	45.9	74.0	-28.1	Peak	Horizontal
*	14166.5	45.7	3.4	49.1	68.2	-19.1	Peak	Horizontal
	15722.0	46.0	4.6	50.6	74.0	-23.4	Peak	Horizontal
*	10477.5	56.8	-1.4	55.4	68.2	-12.8	Peak	Vertical
	11531.5	48.4	-1.5	46.9	74.0	-27.1	Peak	Vertical
*	14166.5	45.6	3.4	49.0	68.2	-19.2	Peak	Vertical
	15713.5	49.8	4.8	54.6	74.0	-19.4	Peak	Vertical
	15713.5	40.5	4.8	45.3	54.0	-8.7	Average	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-AC3	Test Engineer	Mero Zhou
Test Date	2024-03-29	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 shown 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	65.4	-1.3	64.1	68.2	-4.1	Peak	Horizontal
	12126.5	47.6	-1.7	45.9	74.0	-28.1	Peak	Horizontal
*	14158.0	46.9	3.1	50.0	68.2	-18.2	Peak	Horizontal
	15671.0	45.4	4.6	50.0	74.0	-24.0	Peak	Horizontal
*	10520.0	59.2	-1.3	57.9	68.2	-10.3	Peak	Vertical
	12067.0	47.7	-1.6	46.1	74.0	-27.9	Peak	Vertical
*	14064.5	46.4	2.9	49.3	68.2	-18.9	Peak	Vertical
	15781.5	48.2	5.0	53.2	74.0	-20.8	Peak	Vertical
	15781.5	40.1	5.0	45.1	54.0	-8.9	Average	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-AC3	Test Engineer	Mero Zhou
Test Date	2024-03-29	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 shown 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	-1.5	45.9	68.2	-22.3	Peak	Horizontal
	10605.0	63.3	-1.1	62.2	74.0	-11.8	Peak	Horizontal
	10605.0	54.4	-1.1	53.3	54.0	-0.7	Average	Horizontal
	11769.5	48.1	-1.9	46.2	74.0	-27.8	Peak	Horizontal
*	14047.5	46.4	2.8	49.2	68.2	-19.0	Peak	Horizontal
*	9874.0	47.2	-1.8	45.4	68.2	-22.8	Peak	Vertical
	10605.0	55.8	-1.1	54.7	74.0	-19.3	Peak	Vertical
	10605.0	45.6	-1.1	44.5	54.0	-9.5	Average	Vertical
*	13716.0	47.7	1.9	49.6	68.2	-18.6	Peak	Vertical
	15892.0	45.5	5.0	50.5	74.0	-23.5	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-AC3	Test Engineer	Mero Zhou
Test Date	2024-03-29	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 shown in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
*	10188.5	47.3	-1.6	45.7	68.2	-22.5	Peak	Horizontal
	10630.5	58.9	-1.6	57.3	74.0	-16.7	Peak	Horizontal
	10630.5	51.6	-1.6	50.0	54.0	-4.0	Average	Horizontal
*	14166.5	46.4	3.4	49.8	68.2	-18.4	Peak	Horizontal
	15875.0	45.2	5.1	50.3	74.0	-23.7	Peak	Horizontal
*	10180.0	47.6	-1.6	46.0	68.2	-22.2	Peak	Vertical
	10639.0	54.2	-1.7	52.5	74.0	-21.5	Peak	Vertical
	10639.0	42.7	-1.7	41.0	54.0	-13.0	Average	Vertical
*	14073.0	46.3	2.9	49.2	68.2	-19.0	Peak	Vertical
	15781.5	46.0	5.0	51.0	74.0	-23.0	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-AC3	Test Engineer	Mero Zhou
Test Date	2024-03-29	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 shown in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
*	10231.0	47.0	-1.4	45.6	68.2	-22.6	Peak	Horizontal
	11004.5	63.9	-1.6	62.3	74.0	-11.7	Peak	Horizontal
	11004.5	54.9	-1.6	53.3	54.0	-0.7	Average	Horizontal
*	14149.5	45.4	3.0	48.4	68.2	-19.8	Peak	Horizontal
	15892.0	44.8	5.0	49.8	74.0	-24.2	Peak	Horizontal
	11004.5	59.2	-1.6	57.6	74.0	-16.4	Peak	Vertical
	11004.5	49.8	-1.6	48.2	54.0	-5.8	Average	Vertical
*	14175.0	45.2	3.7	48.9	68.2	-19.3	Peak	Vertical
	15705.0	45.1	4.9	50.0	74.0	-24.0	Peak	Vertical
*	16495.5	48.4	6.2	54.6	68.2	-13.6	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-AC3	Test Engineer	Mero Zhou
Test Date	2024-03-29	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 shown in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
*	10214.0	48.5	-1.6	46.9	68.2	-21.3	Peak	Horizontal
	11157.5	65.9	-1.3	64.6	74.0	-9.4	Peak	Horizontal
	11157.5	55.1	-1.3	53.8	54.0	-0.2	Average	Horizontal
*	14149.5	46.6	3.0	49.6	68.2	-18.6	Peak	Horizontal
	15586.0	45.1	4.5	49.6	74.0	-24.4	Peak	Horizontal
*	10596.5	48.5	-1.2	47.3	68.2	-20.9	Peak	Vertical
	11166.0	58.7	-1.3	57.4	74.0	-16.6	Peak	Vertical
	11166.0	50.0	-1.3	48.7	54.0	-5.3	Average	Vertical
*	13886.0	46.9	2.4	49.3	68.2	-18.9	Peak	Vertical
	15696.5	45.2	4.9	50.1	74.0	-23.9	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-AC3	Test Engineer	Mero Zhou
Test Date	2024-03-29	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 shown 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	46.8	-1.3	45.5	68.2	-22.7	Peak	Horizontal
	11404.0	59.3	-1.6	57.7	74.0	-16.3	Peak	Horizontal
	11404.0	52.1	-1.6	50.5	54.0	-3.5	Average	Horizontal
*	13954.0	46.8	2.2	49.0	68.2	-19.2	Peak	Horizontal
	15688.0	45.6	4.8	50.4	74.0	-23.6	Peak	Horizontal
*	10231.0	47.3	-1.4	45.9	68.2	-22.3	Peak	Vertical
	11404.0	55.5	-1.6	53.9	74.0	-20.1	Peak	Vertical
	11404.0	47.4	-1.6	45.8	54.0	-8.2	Average	Vertical
*	14132.5	46.5	2.9	49.4	68.2	-18.8	Peak	Vertical
	15696.5	45.2	4.9	50.1	74.0	-23.9	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-AC3	Test Engineer	Mero Zhou
Test Date	2024-03-29	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 shown in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
*	10290.5	47.3	-1.3	46.0	68.2	-22.2	Peak	Horizontal
	11438.0	61.5	-1.4	60.1	74.0	-13.9	Peak	Horizontal
	11438.0	54.4	-1.4	53.0	54.0	-1.0	Average	Horizontal
*	14260.0	46.4	3.1	49.5	68.2	-18.7	Peak	Horizontal
	15705.0	45.3	4.9	50.2	74.0	-23.8	Peak	Horizontal
*	10231.0	48.2	-1.4	46.8	68.2	-21.4	Peak	Vertical
	11438.0	59.3	-1.4	57.9	74.0	-16.1	Peak	Vertical
	11438.0	50.8	-1.4	49.4	54.0	-4.6	Average	Vertical
*	14056.0	46.5	3.0	49.5	68.2	-18.7	Peak	Vertical
	15662.5	45.7	4.3	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-AC3	Test Engineer	Mero Zhou
Test Date	2024-03-29	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 shown in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB/m)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB/m)	Detector	Polarization
*	10316.0	46.8	-1.1	45.7	68.2	-22.5	Peak	Horizontal
	11489.0	61.3	-1.6	59.7	74.0	-14.3	Peak	Horizontal
	11489.0	52.1	-1.6	50.5	54.0	-3.5	Average	Horizontal
*	14098.5	46.8	2.9	49.7	68.2	-18.5	Peak	Horizontal
	15705.0	45.2	4.9	50.1	74.0	-23.9	Peak	Horizontal
	11489.0	61.3	-1.6	59.7	74.0	-14.3	Peak	Vertical
	11489.0	50.3	-1.6	48.7	54.0	-5.3	Average	Vertical
*	14090.0	46.9	3.0	49.9	68.2	-18.3	Peak	Vertical
	15713.5	46.1	4.8	50.9	74.0	-23.1	Peak	Vertical
*	17235.0	49.2	7.4	56.6	68.2	-11.6	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-AC3	Test Engineer	Mero Zhou
Test Date	2024-03-29	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 shown 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	47.4	-1.6	45.8	68.2	-22.4	Peak	Horizontal
	11565.5	58.9	-1.9	57.0	74.0	-17.0	Peak	Horizontal
	11565.5	50.6	-1.9	48.7	54.0	-5.3	Average	Horizontal
*	13784.0	47.2	2.1	49.3	68.2	-18.9	Peak	Horizontal
	15688.0	46.0	4.8	50.8	74.0	-23.2	Peak	Horizontal
*	10324.5	46.3	-1.2	45.1	68.2	-23.1	Peak	Vertical
	11565.5	59.0	-1.9	57.1	74.0	-16.9	Peak	Vertical
	11565.5	49.7	-1.9	47.8	54.0	-6.2	Average	Vertical
*	14149.5	46.0	3.0	49.0	68.2	-19.2	Peak	Vertical
	15705.0	45.1	4.9	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-AC3	Test Engineer	Mero Zhou
Test Date	2024-03-29	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 shown 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	-1.4	46.7	68.2	-21.5	Peak	Horizontal
	11650.5	56.2	-1.7	54.5	74.0	-19.5	Peak	Horizontal
	11650.5	49.7	-1.7	48.0	54.0	-6.0	Average	Horizontal
*	14166.5	46.4	3.4	49.8	68.2	-18.4	Peak	Horizontal
	15671.0	45.4	4.6	50.0	74.0	-24.0	Peak	Horizontal
*	10112.0	47.4	-1.6	45.8	68.2	-22.4	Peak	Vertical
	11650.5	58.9	-1.7	57.2	74.0	-16.8	Peak	Vertical
	11650.5	48.5	-1.7	46.8	54.0	-7.2	Average	Vertical
*	14183.5	46.4	3.2	49.6	68.2	-18.6	Peak	Vertical
	15679.5	45.3	4.7	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-AC3	Test Engineer	Mero Zhou
Test Date	2024-03-29	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 shown in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
*	10035.5	47.3	-1.7	45.6	68.2	-22.6	Peak	Horizontal
	10783.5	48.6	-1.7	46.9	74.0	-27.1	Peak	Horizontal
*	13860.5	47.8	2.4	50.2	68.2	-18.0	Peak	Horizontal
	15662.5	46.0	4.3	50.3	74.0	-23.7	Peak	Horizontal
*	10112.0	46.6	-1.6	45.0	68.2	-23.2	Peak	Vertical
	11812.0	48.3	-1.8	46.5	74.0	-27.5	Peak	Vertical
*	14081.5	46.1	2.9	49.0	68.2	-19.2	Peak	Vertical
	15739.0	45.6	3.9	49.5	74.0	-24.5	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-AC3	Test Engineer	Mero Zhou
Test Date	2024-03-29	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 shown in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
*	10460.5	62.6	-1.4	61.2	68.2	-7.0	Peak	Horizontal
	11633.5	47.9	-1.7	46.2	74.0	-27.8	Peak	Horizontal
*	13962.5	46.8	2.4	49.2	68.2	-19.0	Peak	Horizontal
	15696.5	46.0	4.9	50.9	74.0	-23.1	Peak	Horizontal
*	10452.0	52.6	-1.4	51.2	68.2	-17.0	Peak	Vertical
	12152.0	47.9	-1.7	46.2	74.0	-27.8	Peak	Vertical
*	14166.5	45.4	3.4	48.8	68.2	-19.4	Peak	Vertical
	15705.0	48.3	4.9	53.2	74.0	-20.8	Peak	Vertical
	15705.0	39.4	4.9	44.3	54.0	-9.7	Average	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-AC3	Test Engineer	Mero Zhou
Test Date	2024-03-29	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 shown in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
*	10545.5	65.0	-1.5	63.5	68.2	-4.7	Peak	Horizontal
	11480.5	48.3	-1.6	46.7	74.0	-27.3	Peak	Horizontal
*	14226.0	47.0	3.0	50.0	68.2	-18.2	Peak	Horizontal
	15807.0	45.7	4.9	50.6	74.0	-23.4	Peak	Horizontal
*	10537.0	56.3	-1.4	54.9	68.2	-13.3	Peak	Vertical
	12101.0	47.5	-1.8	45.7	74.0	-28.3	Peak	Vertical
*	14166.5	45.9	3.4	49.3	68.2	-18.9	Peak	Vertical
	15815.5	47.8	4.7	52.5	74.0	-21.5	Peak	Vertical
	15815.5	38.8	4.7	43.5	54.0	-10.5	Average	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-AC3	Test Engineer	Mero Zhou
Test Date	2024-03-29	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 shown in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
*	9670.0	48.4	-2.0	46.4	68.2	-21.8	Peak	Horizontal
	10613.5	53.4	-1.3	52.1	74.0	-21.9	Peak	Horizontal
	10613.5	46.0	-1.3	44.7	54.0	-9.3	Average	Horizontal
*	14132.5	46.2	2.9	49.1	68.2	-19.1	Peak	Horizontal
	15569.0	45.4	4.6	50.0	74.0	-24.0	Peak	Horizontal
*	10052.5	46.8	-1.6	45.2	68.2	-23.0	Peak	Vertical
	11659.0	48.0	-1.7	46.3	74.0	-27.7	Peak	Vertical
*	14175.0	45.7	3.7	49.4	68.2	-18.8	Peak	Vertical
	15705.0	44.7	4.9	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-AC3	Test Engineer	Mero Zhou
Test Date	2024-03-29	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 shown 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	-1.5	45.9	68.2	-22.3	Peak	Horizontal
	11030.0	59.5	-1.4	58.1	74.0	-15.9	Peak	Horizontal
	11030.0	51.6	-1.4	50.2	54.0	-3.8	Average	Horizontal
*	14149.5	45.9	3.0	48.9	68.2	-19.3	Peak	Horizontal
	15832.5	45.7	4.4	50.1	74.0	-23.9	Peak	Horizontal
*	9933.5	46.0	-1.8	44.2	68.2	-24.0	Peak	Vertical
	11021.5	55.2	-1.4	53.8	74.0	-20.2	Peak	Vertical
	11021.5	47.6	-1.4	46.2	54.0	-7.8	Average	Vertical
*	14166.5	46.1	3.4	49.5	68.2	-18.7	Peak	Vertical
	15552.0	45.0	4.5	49.5	74.0	-24.5	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-AC3	Test Engineer	Mero Zhou
Test Date	2024-03-29	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 shown 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	48.7	-1.6	47.1	68.2	-21.1	Peak	Horizontal
	11098.0	66.1	-1.7	64.4	74.0	-9.6	Peak	Horizontal
	11098.0	55.3	-1.7	53.6	54.0	-0.4	Average	Horizontal
*	14141.0	46.7	2.9	49.6	68.2	-18.6	Peak	Horizontal
	15688.0	46.1	4.8	50.9	74.0	-23.1	Peak	Horizontal
	11098.0	62.0	-1.7	60.3	74.0	-13.7	Peak	Vertical
	11098.0	52.0	-1.7	50.3	54.0	-3.7	Average	Vertical
*	14056.0	46.3	3.0	49.3	68.2	-18.9	Peak	Vertical
	15526.5	45.5	4.1	49.6	74.0	-24.4	Peak	Vertical
*	16640.0	50.2	5.9	56.1	68.2	-12.1	Peak	Vertical

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

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

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

Test Site	SIP-AC3	Test Engineer	Mero Zhou
Test Date	2024-03-29	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 shown 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	47.6	-1.5	46.1	68.2	-22.1	Peak	Horizontal
	11336.0	58.0	-1.4	56.6	74.0	-17.4	Peak	Horizontal
	11336.0	52.2	-1.4	50.8	54.0	-3.2	Average	Horizontal
*	14090.0	46.2	3.0	49.2	68.2	-19.0	Peak	Horizontal
	15637.0	45.4	3.8	49.2	74.0	-24.8	Peak	Horizontal
*	9865.5	47.2	-1.8	45.4	68.2	-22.8	Peak	Vertical
	11336.0	55.6	-1.4	54.2	74.0	-19.8	Peak	Vertical
	11336.0	47.8	-1.4	46.4	54.0	-7.6	Average	Vertical
*	14081.5	45.9	2.9	48.8	68.2	-19.4	Peak	Vertical
	15705.0	44.9	4.9	49.8	74.0	-24.2	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-AC3	Test Engineer	Mero Zhou
Test Date	2024-03-29	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 shown 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	48.5	-1.5	47.0	68.2	-21.2	Peak	Horizontal
	11429.5	62.0	-1.5	60.5	74.0	-13.5	Peak	Horizontal
	11429.5	53.0	-1.5	51.5	54.0	-2.5	Average	Horizontal
*	14158.0	46.1	3.1	49.2	68.2	-19.0	Peak	Horizontal
	15586.0	45.1	4.5	49.6	74.0	-24.4	Peak	Horizontal
*	9874.0	47.9	-1.8	46.1	68.2	-22.1	Peak	Vertical
	11421.0	58.6	-1.5	57.1	74.0	-16.9	Peak	Vertical
	11421.0	49.8	-1.5	48.3	54.0	-5.7	Average	Vertical
	15730.5	44.9	4.2	49.1	74.0	-24.9	Peak	Vertical
*	17124.5	49.5	6.4	55.9	68.2	-12.3	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-AC3	Test Engineer	Mero Zhou
Test Date	2024-03-29	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 shown in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
*	9857.0	48.1	-1.7	46.4	68.2	-21.8	Peak	Horizontal
	11514.5	58.0	-1.6	56.4	74.0	-17.6	Peak	Horizontal
	11514.5	49.2	-1.6	47.6	54.0	-6.4	Average	Horizontal
*	14175.0	46.8	3.7	50.5	68.2	-17.7	Peak	Horizontal
	15688.0	45.6	4.8	50.4	74.0	-23.6	Peak	Horizontal
*	9763.5	46.9	-2.0	44.9	68.2	-23.3	Peak	Vertical
	11506.0	55.7	-1.7	54.0	74.0	-20.0	Peak	Vertical
	11506.0	48.1	-1.7	46.4	54.0	-7.6	Average	Vertical
*	14243.0	46.7	2.8	49.5	68.2	-18.7	Peak	Vertical
	15586.0	45.3	4.5	49.8	74.0	-24.2	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-AC3	Test Engineer	Mero Zhou
Test Date	2024-03-29	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 shown in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
*	10146.0	47.5	-1.6	45.9	68.2	-22.3	Peak	Horizontal
	11591.0	54.3	-1.7	52.6	74.0	-21.4	Peak	Horizontal
	11591.0	47.0	-1.7	45.3	54.0	-8.7	Average	Horizontal
*	13792.5	47.0	2.1	49.1	68.2	-19.1	Peak	Horizontal
	15705.0	44.9	4.9	49.8	74.0	-24.2	Peak	Horizontal
*	10222.5	47.5	-1.5	46.0	68.2	-22.2	Peak	Vertical
	11591.0	55.2	-1.7	53.5	74.0	-20.5	Peak	Vertical
	11591.0	46.2	-1.7	44.5	54.0	-9.5	Average	Vertical
*	14175.0	46.2	3.7	49.9	68.2	-18.3	Peak	Vertical
	15679.5	45.9	4.7	50.6	74.0	-23.4	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-AC3	Test Engineer	Mero Zhou
Test Date	2024-03-29	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 shown in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
*	10282.0	46.5	-1.4	45.1	68.2	-23.1	Peak	Horizontal
	12024.5	47.7	-1.8	45.9	74.0	-28.1	Peak	Horizontal
*	14175.0	46.0	3.7	49.7	68.2	-18.5	Peak	Horizontal
	15662.5	46.0	4.3	50.3	74.0	-23.7	Peak	Horizontal
*	10299.0	46.9	-1.3	45.6	68.2	-22.6	Peak	Vertical
	11412.5	47.4	-1.5	45.9	74.0	-28.1	Peak	Vertical
*	14124.0	46.3	2.9	49.2	68.2	-19.0	Peak	Vertical
	15994.0	45.0	5.4	50.4	74.0	-23.6	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-AC3	Test Engineer	Mero Zhou
Test Date	2024-03-29	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 shown 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	47.0	-1.6	45.4	68.2	-22.8	Peak	Horizontal
	11812.0	47.4	-1.8	45.6	74.0	-28.4	Peak	Horizontal
*	14183.5	46.0	3.2	49.2	68.2	-19.0	Peak	Horizontal
	15705.0	44.9	4.9	49.8	74.0	-24.2	Peak	Horizontal
*	9933.5	47.5	-1.8	45.7	68.2	-22.5	Peak	Vertical
	10970.5	47.8	-1.5	46.3	74.0	-27.7	Peak	Vertical
*	13614.0	47.8	1.1	48.9	68.2	-19.3	Peak	Vertical
	15713.5	44.5	4.8	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-AC3	Test Engineer	Mero Zhou
Test Date	2024-03-29	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 shown in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
*	10146.0	47.0	-1.6	45.4	68.2	-22.8	Peak	Horizontal
	11072.5	52.0	-1.6	50.4	74.0	-23.6	Peak	Horizontal
*	14047.5	46.1	2.8	48.9	68.2	-19.3	Peak	Horizontal
	15679.5	45.0	4.7	49.7	74.0	-24.3	Peak	Horizontal
*	9942.0	47.2	-1.6	45.6	68.2	-22.6	Peak	Vertical
	11514.5	47.8	-1.6	46.2	74.0	-27.8	Peak	Vertical
*	14209.0	45.9	3.0	48.9	68.2	-19.3	Peak	Vertical
	15858.0	45.4	4.5	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-AC3	Test Engineer	Mero Zhou
Test Date	2024-03-30	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 shown in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
*	9840.0	47.3	-1.9	45.4	68.2	-22.8	Peak	Horizontal
	11217.0	57.1	-1.6	55.5	74.0	-18.5	Peak	Horizontal
	11217.0	48.9	-1.6	47.3	54.0	-6.7	Average	Horizontal
*	14166.5	45.8	3.4	49.2	68.2	-19.0	Peak	Horizontal
	15773.0	45.5	4.9	50.4	74.0	-23.6	Peak	Horizontal
*	10069.5	46.5	-1.5	45.0	68.2	-23.2	Peak	Vertical
	11217.0	52.8	-1.6	51.2	74.0	-22.8	Peak	Vertical
	11217.0	44.8	-1.6	43.2	54.0	-10.8	Average	Vertical
*	14064.5	47.1	2.9	50.0	68.2	-18.2	Peak	Vertical
	15722.0	45.6	4.6	50.2	74.0	-23.8	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-AC3	Test Engineer	Mero Zhou
Test Date	2024-03-30	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 shown in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
*	10316.0	46.8	-1.1	45.7	68.2	-22.5	Peak	Horizontal
	11361.5	59.5	-1.6	57.9	74.0	-16.1	Peak	Horizontal
	11361.5	51.8	-1.6	50.2	54.0	-3.8	Average	Horizontal
*	14277.0	47.8	1.6	49.4	68.2	-18.8	Peak	Horizontal
	15688.0	45.1	4.8	49.9	74.0	-24.1	Peak	Horizontal
*	10129.0	46.8	-1.4	45.4	68.2	-22.8	Peak	Vertical
	11370.0	57.6	-1.7	55.9	74.0	-18.1	Peak	Vertical
	11370.0	47.3	-1.7	45.6	54.0	-8.4	Average	Vertical
*	14141.0	47.3	2.9	50.2	68.2	-18.0	Peak	Vertical
	15662.5	45.5	4.3	49.8	74.0	-24.2	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-AC3	Test Engineer	Mero Zhou
Test Date	2024-03-30	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 shown in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
*	9967.5	47.4	-1.6	45.8	68.2	-22.4	Peak	Horizontal
	11531.5	49.8	-1.5	48.3	74.0	-25.7	Peak	Horizontal
*	13860.5	46.9	2.4	49.3	68.2	-18.9	Peak	Horizontal
	15705.0	46.8	4.9	51.7	74.0	-22.3	Peak	Horizontal
	15705.0	35.3	4.9	40.2	54.0	-13.8	Average	Horizontal
*	9840.0	48.0	-1.9	46.1	68.2	-22.1	Peak	Vertical
	11531.5	51.5	-1.5	50.0	74.0	-24.0	Peak	Vertical
*	13835.0	46.5	2.4	48.9	68.2	-19.3	Peak	Vertical
	15798.5	45.3	4.9	50.2	74.0	-23.8	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-AC3	Test Engineer	Mero Zhou
Test Date	2024-03-30	Test Mode	802.11ac-VHT160 – Channel 25
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 shown in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
*	10214.0	47.0	-1.6	45.4	68.2	-22.8	Peak	Horizontal
	10783.5	48.9	-1.7	47.2	74.0	-26.8	Peak	Horizontal
*	14166.5	47.1	3.4	50.5	68.2	-17.7	Peak	Horizontal
	15705.0	45.3	4.9	50.2	74.0	-23.8	Peak	Horizontal
*	10324.5	46.3	-1.2	45.1	68.2	-23.1	Peak	Vertical
	11684.5	47.2	-1.6	45.6	74.0	-28.4	Peak	Vertical
*	14243.0	46.3	2.8	49.1	68.2	-19.1	Peak	Vertical
	15594.5	45.3	4.2	49.5	74.0	-24.5	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-AC3	Test Engineer	Mero Zhou
Test Date	2024-03-30	Test Mode	802.11ac-VHT160–Channel 114
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 shown 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	46.9	-1.5	45.4	68.2	-22.8	Peak	Horizontal
	10783.5	49.2	-1.7	47.5	74.0	-26.5	Peak	Horizontal
*	14141.0	47.0	2.9	49.9	68.2	-18.3	Peak	Horizontal
	16113.0	45.2	4.7	49.9	74.0	-24.1	Peak	Horizontal
*	10061.0	47.3	-1.5	45.8	68.2	-22.4	Peak	Vertical
	11438.0	47.6	-1.4	46.2	74.0	-27.8	Peak	Vertical
*	14175.0	45.2	3.7	48.9	68.2	-19.3	Peak	Vertical
	15662.5	45.7	4.3	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-AC3	Test Engineer	Mero Zhou
Test Date	2024-03-30	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 shown in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
*	10358.5	51.8	-1.6	50.2	68.2	-18.0	Peak	Horizontal
	12084.0	47.3	-1.8	45.5	74.0	-28.5	Peak	Horizontal
*	14056.0	46.3	3.0	49.3	68.2	-18.9	Peak	Horizontal
	15705.0	45.2	4.9	50.1	74.0	-23.9	Peak	Horizontal
*	10358.5	48.2	-1.6	46.6	68.2	-21.6	Peak	Vertical
	10783.5	49.3	-1.7	47.6	74.0	-26.4	Peak	Vertical
*	14166.5	46.1	3.4	49.5	68.2	-18.7	Peak	Vertical
	16028.0	43.3	4.9	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-AC3	Test Engineer	Mero Zhou
Test Date	2024-03-30	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 shown 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	53.0	-1.4	51.6	68.2	-16.6	Peak	Horizontal
	12279.5	48.0	-1.7	46.3	74.0	-27.7	Peak	Horizontal
*	13767.0	46.2	2.1	48.3	68.2	-19.9	Peak	Horizontal
	15688.0	45.0	4.8	49.8	74.0	-24.2	Peak	Horizontal
*	10435.0	48.6	-1.3	47.3	68.2	-20.9	Peak	Vertical
	11557.0	47.4	-1.9	45.5	74.0	-28.5	Peak	Vertical
*	14226.0	45.9	3.0	48.9	68.2	-19.3	Peak	Vertical
	15662.5	45.5	4.3	49.8	74.0	-24.2	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-AC3	Test Engineer	Mero Zhou
Test Date	2024-03-30	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 shown 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	55.4	-1.4	54.0	68.2	-14.2	Peak	Horizontal
	11701.5	47.5	-1.6	45.9	74.0	-28.1	Peak	Horizontal
*	14158.0	46.2	3.1	49.3	68.2	-18.9	Peak	Horizontal
	15713.5	45.6	4.8	50.4	74.0	-23.6	Peak	Horizontal
*	10486.0	49.4	-1.3	48.1	68.2	-20.1	Peak	Vertical
	11718.5	48.0	-1.7	46.3	74.0	-27.7	Peak	Vertical
*	13852.0	46.9	2.4	49.3	68.2	-18.9	Peak	Vertical
	15577.5	43.6	4.6	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-AC3	Test Engineer	Mero Zhou
Test Date	2024-03-30	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 shown 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	57.5	-1.3	56.2	68.2	-12.0	Peak	Horizontal
	12007.5	47.0	-1.8	45.2	74.0	-28.8	Peak	Horizontal
*	14175.0	45.5	3.7	49.2	68.2	-19.0	Peak	Horizontal
	15671.0	45.3	4.6	49.9	74.0	-24.1	Peak	Horizontal
*	10528.5	49.9	-1.3	48.6	68.2	-19.6	Peak	Vertical
	11820.5	47.5	-1.8	45.7	74.0	-28.3	Peak	Vertical
*	14166.5	45.9	3.4	49.3	68.2	-18.9	Peak	Vertical
	15705.0	45.9	4.9	50.8	74.0	-23.2	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-AC3	Test Engineer	Mero Zhou
Test Date	2024-03-30	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 shown in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB/m)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB/m)	Detector	Polarization
*	10027.0	47.5	-1.7	45.8	68.2	-22.4	Peak	Horizontal
	10605.0	58.3	-1.1	57.2	74.0	-16.8	Peak	Horizontal
	10605.0	50.7	-1.1	49.6	54.0	-4.4	Average	Horizontal
*	14158.0	46.8	3.1	49.9	68.2	-18.3	Peak	Horizontal
	15875.0	45.3	5.1	50.4	74.0	-23.6	Peak	Horizontal
	9372.5	50.4	-2.0	48.4	74.0	-25.6	Peak	Vertical
*	10596.5	52.5	-1.2	51.3	68.2	-16.9	Peak	Vertical
*	13971.0	47.3	2.6	49.9	68.2	-18.3	Peak	Vertical
	15883.5	46.3	5.1	51.4	74.0	-22.6	Peak	Vertical
	15883.5	34.7	5.1	39.8	54.0	-14.2	Average	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-AC3	Test Engineer	Mero Zhou
Test Date	2024-03-30	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 shown in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
*	9950.5	48.2	-1.6	46.6	68.2	-21.6	Peak	Horizontal
	10647.5	56.9	-1.7	55.2	74.0	-18.8	Peak	Horizontal
	10647.5	50.9	-1.7	49.2	54.0	-4.8	Average	Horizontal
*	14166.5	46.5	3.4	49.9	68.2	-18.3	Peak	Horizontal
	15883.5	45.4	5.1	50.5	74.0	-23.5	Peak	Horizontal
*	9967.5	47.9	-1.6	46.3	68.2	-21.9	Peak	Vertical
	10639.0	52.2	-1.7	50.5	74.0	-23.5	Peak	Vertical
*	14158.0	46.7	3.1	49.8	68.2	-18.4	Peak	Vertical
	15781.5	45.3	5.0	50.3	74.0	-23.7	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-AC3	Test Engineer	Mero Zhou
Test Date	2024-03-30	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 shown in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
*	9593.5	48.1	-1.9	46.2	68.2	-22.0	Peak	Horizontal
	10996.0	62.5	-1.7	60.8	74.0	-13.2	Peak	Horizontal
	10996.0	55.1	-1.7	53.4	54.0	-0.6	Average	Horizontal
*	14166.5	46.1	3.4	49.5	68.2	-18.7	Peak	Horizontal
	15858.0	47.1	4.5	51.6	74.0	-22.4	Peak	Horizontal
	15858.0	34.5	4.5	39.0	54.0	-15.0	Average	Horizontal
*	10137.5	48.2	-1.5	46.7	68.2	-21.5	Peak	Vertical
	10996.0	54.8	-1.7	53.1	74.0	-20.9	Peak	Vertical
	10996.0	47.8	-1.7	46.1	54.0	-7.9	Average	Vertical
*	14107.0	46.9	2.8	49.7	68.2	-18.5	Peak	Vertical
	15475.5	45.3	4.5	49.8	74.0	-24.2	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-AC3	Test Engineer	Mero Zhou
Test Date	2024-03-30	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 shown in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
*	10035.5	48.7	-1.7	47.0	68.2	-21.2	Peak	Horizontal
	11166.0	62.3	-1.3	61.0	74.0	-13.0	Peak	Horizontal
	11166.0	54.8	-1.3	53.5	54.0	-0.5	Average	Horizontal
*	14039.0	46.7	2.7	49.4	68.2	-18.8	Peak	Horizontal
	15875.0	46.4	5.1	51.5	74.0	-22.5	Peak	Horizontal
	15875.0	34.3	5.1	39.4	54.0	-14.6	Average	Horizontal
*	10095.0	48.1	-1.6	46.5	68.2	-21.7	Peak	Vertical
	11157.5	54.5	-1.3	53.2	74.0	-20.8	Peak	Vertical
	11157.5	47.6	-1.3	46.3	54.0	-7.7	Average	Vertical
*	14175.0	46.3	3.7	50.0	68.2	-18.2	Peak	Vertical
	15679.5	45.7	4.7	50.4	74.0	-23.6	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-AC3	Test Engineer	Mero Zhou
Test Date	2024-03-30	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 shown in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
*	10154.5	48.8	-1.6	47.2	68.2	-21.0	Peak	Horizontal
	11395.5	62.7	-1.7	61.0	74.0	-13.0	Peak	Horizontal
	11395.5	55.4	-1.7	53.7	54.0	-0.3	Average	Horizontal
*	14183.5	46.6	3.2	49.8	68.2	-18.4	Peak	Horizontal
	15679.5	45.1	4.7	49.8	74.0	-24.2	Peak	Horizontal
*	9976.0	47.6	-1.5	46.1	68.2	-22.1	Peak	Vertical
	11404.0	53.9	-1.6	52.3	74.0	-21.7	Peak	Vertical
	11404.0	44.5	-1.6	42.9	54.0	-11.1	Average	Vertical
*	14175.0	46.5	3.7	50.2	68.2	-18.0	Peak	Vertical
	15875.0	45.2	5.1	50.3	74.0	-23.7	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-AC3	Test Engineer	Mero Zhou
Test Date	2024-03-30	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 shown 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	48.1	-1.5	46.6	68.2	-21.6	Peak	Horizontal
	11446.5	61.7	-1.5	60.2	74.0	-13.8	Peak	Horizontal
	11446.5	54.7	-1.5	53.2	54.0	-0.8	Average	Horizontal
*	13877.5	47.7	2.5	50.2	68.2	-18.0	Peak	Horizontal
	15917.5	45.3	5.1	50.4	74.0	-23.6	Peak	Horizontal
*	10163.0	49.5	-1.7	47.8	68.2	-20.4	Peak	Vertical
	11438.0	52.3	-1.4	50.9	74.0	-23.1	Peak	Vertical
*	14200.5	47.0	2.9	49.9	68.2	-18.3	Peak	Vertical
	15705.0	45.3	4.9	50.2	74.0	-23.8	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-AC3	Test Engineer	Mero Zhou
Test Date	2024-03-30	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 shown in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
*	10146.0	48.0	-1.6	46.4	68.2	-21.8	Peak	Horizontal
	11489.0	60.7	-1.6	59.1	74.0	-14.9	Peak	Horizontal
	11489.0	54.9	-1.6	53.3	54.0	-0.7	Average	Horizontal
*	14183.5	46.9	3.2	50.1	68.2	-18.1	Peak	Horizontal
	15671.0	45.8	4.6	50.4	74.0	-23.6	Peak	Horizontal
*	10018.5	48.4	-1.8	46.6	68.2	-21.6	Peak	Vertical
	11497.5	51.0	-1.7	49.3	74.0	-24.7	Peak	Vertical
*	14183.5	46.7	3.2	49.9	68.2	-18.3	Peak	Vertical
	15696.5	45.6	4.9	50.5	74.0	-23.5	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-AC3	Test Engineer	Mero Zhou
Test Date	2024-03-30	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 shown in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB/m)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB/m)	Detector	Polarization
*	10112.0	48.1	-1.6	46.5	68.2	-21.7	Peak	Horizontal
	11582.5	63.5	-1.8	61.7	74.0	-12.3	Peak	Horizontal
	11582.5	55.4	-1.8	53.6	54.0	-0.4	Average	Horizontal
*	14090.0	47.1	3.0	50.1	68.2	-18.1	Peak	Horizontal
	15883.5	45.8	5.1	50.9	74.0	-23.1	Peak	Horizontal
*	9933.5	48.2	-1.8	46.4	68.2	-21.8	Peak	Vertical
	11557.0	53.6	-1.9	51.7	74.0	-22.3	Peak	Vertical
	11557.0	43.2	-1.9	41.3	54.0	-12.7	Average	Vertical
*	14166.5	46.8	3.4	50.2	68.2	-18.0	Peak	Vertical
	15492.5	45.6	4.4	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-AC3	Test Engineer	Mero Zhou
Test Date	2024-03-30	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 shown in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
	9372.5	51.5	-2.0	49.5	74.0	-24.5	Peak	Horizontal
*	10460.5	48.1	-1.4	46.7	68.2	-21.5	Peak	Horizontal
	11650.5	63.0	-1.7	61.3	74.0	-12.7	Peak	Horizontal
	11650.5	55.4	-1.7	53.7	54.0	-0.3	Average	Horizontal
*	14175.0	46.6	3.7	50.3	68.2	-17.9	Peak	Horizontal
*	10018.5	48.2	-1.8	46.4	68.2	-21.8	Peak	Vertical
	11650.5	52.2	-1.7	50.5	74.0	-23.5	Peak	Vertical
*	14056.0	46.9	3.0	49.9	68.2	-18.3	Peak	Vertical
	15773.0	44.3	4.9	49.2	74.0	-24.8	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-AC3	Test Engineer	Mero Zhou
Test Date	2024-03-30	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 shown in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
*	10375.5	51.5	-1.6	49.9	68.2	-18.3	Peak	Horizontal
	11523.0	48.3	-1.5	46.8	74.0	-27.2	Peak	Horizontal
*	13894.5	47.1	2.5	49.6	68.2	-18.6	Peak	Horizontal
	15569.0	45.2	4.6	49.8	74.0	-24.2	Peak	Horizontal
*	9687.0	48.9	-2.0	46.9	68.2	-21.3	Peak	Vertical
	11888.5	48.6	-1.8	46.8	74.0	-27.2	Peak	Vertical
*	14098.5	47.1	2.9	50.0	68.2	-18.2	Peak	Vertical
	15577.5	45.3	4.6	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-AC3	Test Engineer	Mero Zhou
Test Date	2024-03-30	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 shown in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
*	10460.5	60.1	-1.4	58.7	68.2	-9.5	Peak	Horizontal
	12279.5	48.8	-1.7	47.1	74.0	-26.9	Peak	Horizontal
*	13860.5	47.8	2.4	50.2	68.2	-18.0	Peak	Horizontal
	15679.5	52.0	4.7	56.7	74.0	-17.3	Peak	Horizontal
	15679.5	44.0	4.7	48.7	54.0	-5.3	Average	Horizontal
*	10460.5	53.3	-1.4	51.9	68.2	-16.3	Peak	Vertical
	11438.0	48.5	-1.4	47.1	74.0	-26.9	Peak	Vertical
*	14124.0	47.0	2.9	49.9	68.2	-18.3	Peak	Vertical
	15688.0	46.0	4.8	50.8	74.0	-23.2	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-AC3	Test Engineer	Mero Zhou
Test Date	2024-03-30	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 shown in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
*	10545.5	61.6	-1.5	60.1	68.2	-8.1	Peak	Horizontal
	12092.5	48.9	-1.8	47.1	74.0	-26.9	Peak	Horizontal
*	14124.0	47.6	2.9	50.5	68.2	-17.7	Peak	Horizontal
	15824.0	52.5	4.5	57.0	74.0	-17.0	Peak	Horizontal
	15824.0	44.2	4.5	48.7	54.0	-5.3	Average	Horizontal
*	10545.5	55.3	-1.5	53.8	68.2	-14.4	Peak	Vertical
	12373.0	49.2	-1.5	47.7	74.0	-26.3	Peak	Vertical
*	14081.5	46.6	2.9	49.5	68.2	-18.7	Peak	Vertical
	15807.0	47.2	4.9	52.1	74.0	-21.9	Peak	Vertical
	15807.0	39.8	4.9	44.7	54.0	-9.3	Average	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-AC3	Test Engineer	Mero Zhou
Test Date	2024-03-30	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 shown in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
	10613.5	53.7	-1.3	52.4	74.0	-21.6	Peak	Horizontal
	10613.5	47.4	-1.3	46.1	54.0	-7.9	Average	Horizontal
	12084.0	48.8	-1.8	47.0	74.0	-27.0	Peak	Horizontal
*	13971.0	46.6	2.6	49.2	68.2	-19.0	Peak	Horizontal
*	16529.5	47.0	6.2	53.2	68.2	-15.0	Peak	Horizontal
*	9967.5	47.4	-1.6	45.8	68.2	-22.4	Peak	Vertical
	10613.5	50.9	-1.3	49.6	74.0	-24.4	Peak	Vertical
*	13928.5	47.4	2.4	49.8	68.2	-18.4	Peak	Vertical
	15866.5	45.8	4.8	50.6	74.0	-23.4	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-AC3	Test Engineer	Mero Zhou
Test Date	2024-03-30	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 shown in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
*	9746.5	49.3	-2.1	47.2	68.2	-21.0	Peak	Horizontal
	11021.5	64.7	-1.4	63.3	74.0	-10.7	Peak	Horizontal
	11021.5	54.4	-1.4	53.0	54.0	-1.0	Average	Horizontal
*	14226.0	47.1	3.0	50.1	68.2	-18.1	Peak	Horizontal
	15679.5	46.0	4.7	50.7	74.0	-23.3	Peak	Horizontal
*	10010.0	48.6	-1.8	46.8	68.2	-21.4	Peak	Vertical
	11021.5	55.3	-1.4	53.9	74.0	-20.1	Peak	Vertical
	11021.5	47.3	-1.4	45.9	54.0	-8.1	Average	Vertical
	15934.5	45.9	4.7	50.6	74.0	-23.4	Peak	Vertical
*	16929.0	46.6	6.8	53.4	68.2	-14.8	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-AC3	Test Engineer	Mero Zhou
Test Date	2024-03-30	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 shown in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
*	9950.5	48.3	-1.6	46.7	68.2	-21.5	Peak	Horizontal
	11089.5	61.5	-1.7	59.8	74.0	-14.2	Peak	Horizontal
	11089.5	54.8	-1.7	53.1	54.0	-0.9	Average	Horizontal
*	14132.5	47.3	2.9	50.2	68.2	-18.0	Peak	Horizontal
	15475.5	46.2	4.5	50.7	74.0	-23.3	Peak	Horizontal
*	10146.0	48.1	-1.6	46.5	68.2	-21.7	Peak	Vertical
	11098.0	55.2	-1.7	53.5	74.0	-20.5	Peak	Vertical
	11098.0	47.1	-1.7	45.4	54.0	-8.6	Average	Vertical
*	14226.0	46.8	3.0	49.8	68.2	-18.4	Peak	Vertical
	15883.5	45.4	5.1	50.5	74.0	-23.5	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-AC3	Test Engineer	Mero Zhou
Test Date	2024-03-30	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 shown in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB/m)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB/m)	Detector	Polarization
*	9967.5	48.5	-1.6	46.9	68.2	-21.3	Peak	Horizontal
	11336.0	62.7	-1.4	61.3	74.0	-12.7	Peak	Horizontal
	11336.0	54.5	-1.4	53.1	54.0	-0.9	Average	Horizontal
*	14056.0	46.6	3.0	49.6	68.2	-18.6	Peak	Horizontal
	15492.5	46.5	4.4	50.9	74.0	-23.1	Peak	Horizontal
*	10069.5	48.1	-1.5	46.6	68.2	-21.6	Peak	Vertical
	11336.0	52.2	-1.4	50.8	74.0	-23.2	Peak	Vertical
*	14209.0	46.8	3.0	49.8	68.2	-18.4	Peak	Vertical
	15790.0	45.8	5.0	50.8	74.0	-23.2	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-AC3	Test Engineer	Mero Zhou
Test Date	2024-03-30	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 shown in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB/m)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB/m)	Detector	Polarization
*	10112.0	48.2	-1.6	46.6	68.2	-21.6	Peak	Horizontal
	11429.5	62.9	-1.5	61.4	74.0	-12.6	Peak	Horizontal
	11429.5	55.0	-1.5	53.5	54.0	-0.5	Average	Horizontal
*	14183.5	46.6	3.2	49.8	68.2	-18.4	Peak	Horizontal
	15467.0	45.6	4.6	50.2	74.0	-23.8	Peak	Horizontal
*	10154.5	48.1	-1.6	46.5	68.2	-21.7	Peak	Vertical
	10783.5	50.7	-1.7	49.0	74.0	-25.0	Peak	Vertical
	11412.5	52.7	-1.5	51.2	74.0	-22.8	Peak	Vertical
	11412.5	44.9	-1.5	43.4	54.0	-10.6	Average	Vertical
*	13835.0	47.9	2.4	50.3	68.2	-17.9	Peak	Vertical

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

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

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

Test Site	SIP-AC3	Test Engineer	Mero Zhou
Test Date	2024-03-30	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 shown in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
*	9950.5	49.5	-1.6	47.9	68.2	-20.3	Peak	Horizontal
	11506.0	62.1	-1.7	60.4	74.0	-13.6	Peak	Horizontal
	11506.0	54.9	-1.7	53.2	54.0	-0.8	Average	Horizontal
*	14183.5	46.4	3.2	49.6	68.2	-18.6	Peak	Horizontal
	15841.0	47.5	4.3	51.8	74.0	-22.2	Peak	Horizontal
	15841.0	34.8	4.3	39.1	54.0	-14.9	Average	Horizontal
*	9942.0	48.4	-1.6	46.8	68.2	-21.4	Peak	Vertical
	11506.0	51.7	-1.7	50.0	74.0	-24.0	Peak	Vertical
*	14175.0	47.7	3.7	51.4	68.2	-16.8	Peak	Vertical
	15875.0	45.7	5.1	50.8	74.0	-23.2	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-AC3	Test Engineer	Mero Zhou
Test Date	2024-03-30	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 shown in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
*	9967.5	48.4	-1.6	46.8	68.2	-21.4	Peak	Horizontal
	11599.5	61.4	-1.7	59.7	74.0	-14.3	Peak	Horizontal
	11599.5	53.3	-1.7	51.6	54.0	-2.4	Average	Horizontal
*	14243.0	47.9	2.8	50.7	68.2	-17.5	Peak	Horizontal
	15433.0	46.4	3.5	49.9	74.0	-24.1	Peak	Horizontal
*	10469.0	49.3	-1.4	47.9	68.2	-20.3	Peak	Vertical
	11599.5	50.7	-1.7	49.0	74.0	-25.0	Peak	Vertical
*	13716.0	48.2	1.9	50.1	68.2	-18.1	Peak	Vertical
	15467.0	46.1	4.6	50.7	74.0	-23.3	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-AC3	Test Engineer	Mero Zhou
Test Date	2024-03-30	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 shown in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
*	10035.5	48.7	-1.7	47.0	68.2	-21.2	Peak	Horizontal
	11727.0	48.7	-1.7	47.0	74.0	-27.0	Peak	Horizontal
*	14158.0	47.4	3.1	50.5	68.2	-17.7	Peak	Horizontal
	15475.5	45.9	4.5	50.4	74.0	-23.6	Peak	Horizontal
*	10469.0	50.1	-1.4	48.7	68.2	-19.5	Peak	Vertical
	10783.5	50.1	-1.7	48.4	74.0	-25.6	Peak	Vertical
*	14124.0	46.9	2.9	49.8	68.2	-18.4	Peak	Vertical
	15713.5	45.8	4.8	50.6	74.0	-23.4	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-AC3	Test Engineer	Mero Zhou
Test Date	2024-03-30	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 shown 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	50.1	-1.4	48.7	68.2	-19.5	Peak	Horizontal
	11523.0	48.9	-1.5	47.4	74.0	-26.6	Peak	Horizontal
*	14217.5	46.9	3.0	49.9	68.2	-18.3	Peak	Horizontal
	15883.5	46.9	5.1	52.0	74.0	-22.0	Peak	Horizontal
	15883.5	35.6	5.1	40.7	54.0	-13.3	Average	Horizontal
*	10469.0	49.3	-1.4	47.9	68.2	-20.3	Peak	Vertical
	10783.5	49.7	-1.7	48.0	74.0	-26.0	Peak	Vertical
*	14124.0	47.2	2.9	50.1	68.2	-18.1	Peak	Vertical
	15467.0	45.9	4.6	50.5	74.0	-23.5	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-AC3	Test Engineer	Mero Zhou
Test Date	2024-03-30	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 shown in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
*	9976.0	48.2	-1.5	46.7	68.2	-21.5	Peak	Horizontal
	11081.0	56.7	-1.7	55.0	74.0	-19.0	Peak	Horizontal
	11081.0	46.8	-1.7	45.1	54.0	-8.9	Average	Horizontal
*	14056.0	46.9	3.0	49.9	68.2	-18.3	Peak	Horizontal
	15705.0	45.8	4.9	50.7	74.0	-23.3	Peak	Horizontal
*	9950.5	47.7	-1.6	46.1	68.2	-22.1	Peak	Vertical
	11081.0	49.7	-1.7	48.0	74.0	-26.0	Peak	Vertical
*	14234.5	46.7	2.9	49.6	68.2	-18.6	Peak	Vertical
	15475.5	46.0	4.5	50.5	74.0	-23.5	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-AC3	Test Engineer	Mero Zhou
Test Date	2024-03-30	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 shown 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	48.3	-1.6	46.7	68.2	-21.5	Peak	Horizontal
	11242.5	64.8	-1.6	63.2	74.0	-10.8	Peak	Horizontal
	11242.5	55.1	-1.6	53.5	54.0	-0.5	Average	Horizontal
*	14124.0	46.7	2.9	49.6	68.2	-18.6	Peak	Horizontal
	15475.5	46.1	4.5	50.6	74.0	-23.4	Peak	Horizontal
*	10129.0	48.3	-1.4	46.9	68.2	-21.3	Peak	Vertical
	11242.5	54.7	-1.6	53.1	74.0	-20.9	Peak	Vertical
	11242.5	45.8	-1.6	44.2	54.0	-9.8	Average	Vertical
*	14081.5	46.8	2.9	49.7	68.2	-18.5	Peak	Vertical
	15713.5	45.4	4.8	50.2	74.0	-23.8	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-AC3	Test Engineer	Mero Zhou
Test Date	2024-03-30	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 shown in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
*	9925.0	48.6	-1.9	46.7	68.2	-21.5	Peak	Horizontal
	11404.0	64.7	-1.6	63.1	74.0	-10.9	Peak	Horizontal
	11404.0	55.1	-1.6	53.5	54.0	-0.5	Average	Horizontal
*	14243.0	47.2	2.8	50.0	68.2	-18.2	Peak	Horizontal
	15467.0	45.9	4.6	50.5	74.0	-23.5	Peak	Horizontal
*	10129.0	48.8	-1.4	47.4	68.2	-20.8	Peak	Vertical
	11404.0	51.9	-1.6	50.3	74.0	-23.7	Peak	Vertical
*	14175.0	46.7	3.7	50.4	68.2	-17.8	Peak	Vertical
	15365.0	45.6	4.2	49.8	74.0	-24.2	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-AC3	Test Engineer	Mero Zhou
Test Date	2024-03-30	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 shown in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
	9372.5	50.9	-2.0	48.9	74.0	-25.1	Peak	Horizontal
*	9993.0	47.9	-1.5	46.4	68.2	-21.8	Peak	Horizontal
	11557.0	57.2	-1.9	55.3	74.0	-18.7	Peak	Horizontal
	11557.0	49.2	-1.9	47.3	54.0	-6.7	Average	Horizontal
*	14175.0	46.7	3.7	50.4	68.2	-17.8	Peak	Horizontal
*	10154.5	48.8	-1.6	47.2	68.2	-21.0	Peak	Vertical
	11863.0	48.1	-2.0	46.1	74.0	-27.9	Peak	Vertical
*	14149.5	46.9	3.0	49.9	68.2	-18.3	Peak	Vertical
	15764.5	45.9	4.6	50.5	74.0	-23.5	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-AC3	Test Engineer	Mero Zhou
Test Date	2024-03-30	Test Mode	802.11ax-HE160 – Channel 50
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 shown 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	47.9	-1.5	46.4	68.2	-21.8	Peak	Horizontal
	11540.0	49.0	-1.5	47.5	74.0	-26.5	Peak	Horizontal
*	13707.5	48.7	1.8	50.5	68.2	-17.7	Peak	Horizontal
	15688.0	45.8	4.8	50.6	74.0	-23.4	Peak	Horizontal
*	10469.0	48.7	-1.4	47.3	68.2	-20.9	Peak	Vertical
	12084.0	49.4	-1.8	47.6	74.0	-26.4	Peak	Vertical
*	13852.0	47.2	2.4	49.6	68.2	-18.6	Peak	Vertical
	15671.0	45.6	4.6	50.2	74.0	-23.8	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-AC3	Test Engineer	Mero Zhou
Test Date	2024-03-30	Test Mode	802.11ax-HE160 – Channel 114
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 shown in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
*	10129.0	48.5	-1.4	47.1	68.2	-21.1	Peak	Horizontal
	11081.0	52.8	-1.7	51.1	74.0	-22.9	Peak	Horizontal
	11081.0	43.3	-1.7	41.6	54.0	-12.4	Average	Horizontal
*	14226.0	47.5	3.0	50.5	68.2	-17.7	Peak	Horizontal
	15458.5	45.4	4.3	49.7	74.0	-24.3	Peak	Horizontal
*	9933.5	48.3	-1.8	46.5	68.2	-21.7	Peak	Vertical
	11438.0	48.2	-1.4	46.8	74.0	-27.2	Peak	Vertical
*	13835.0	47.6	2.4	50.0	68.2	-18.2	Peak	Vertical
	15722.0	46.4	4.6	51.0	74.0	-23.0	Peak	Vertical

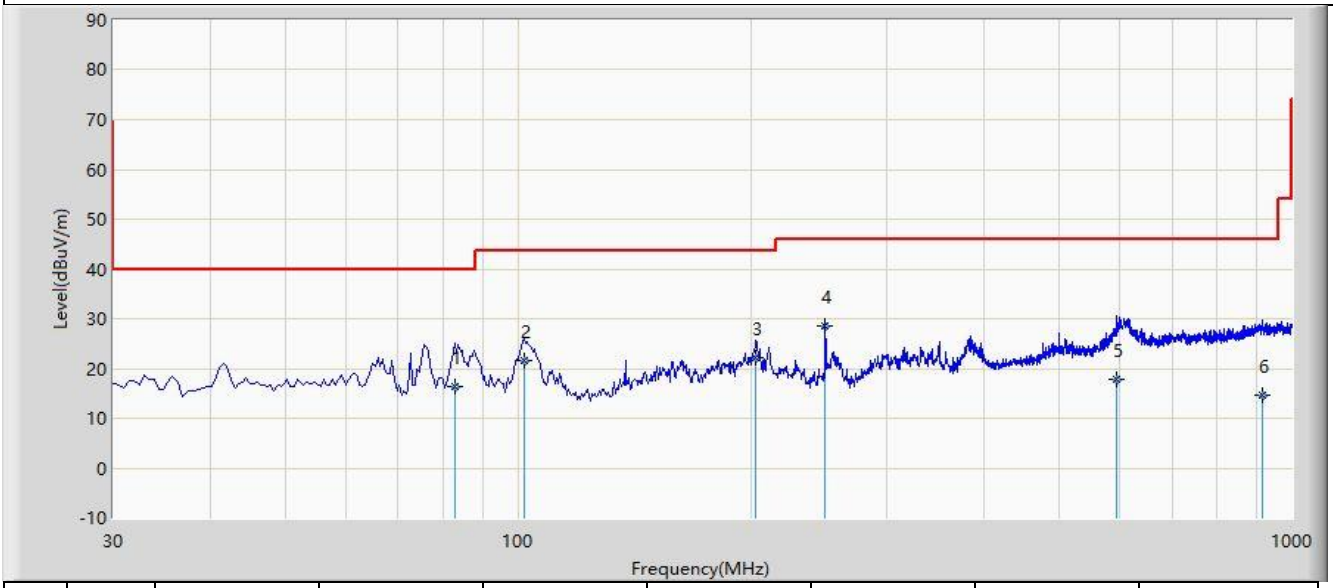
Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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)

The Result of Radiated Emission 30MHz ~ 1GHz:

Site: SIP-AC1	Test Date: 2024-03-31
Limit: FCC_Part15.209_RSE(3m)	Engineer: Justin Guo
Probe: VULB 9168_00998_25-2000MHz	Polarity: Horizontal
EUT: Keenetic Challenger SE	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5180MHz	



No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		82.865	16.398	3.600	-23.602	40.000	12.798	QP
2		101.780	21.656	8.100	-21.844	43.500	13.556	QP
3		203.145	22.208	7.900	-21.292	43.500	14.308	QP
4	*	249.705	28.518	12.100	-17.482	46.000	16.419	QP
5		593.085	17.932	-7.400	-28.068	46.000	25.331	QP
6		916.580	14.671	-15.000	-31.329	46.000	29.671	QP

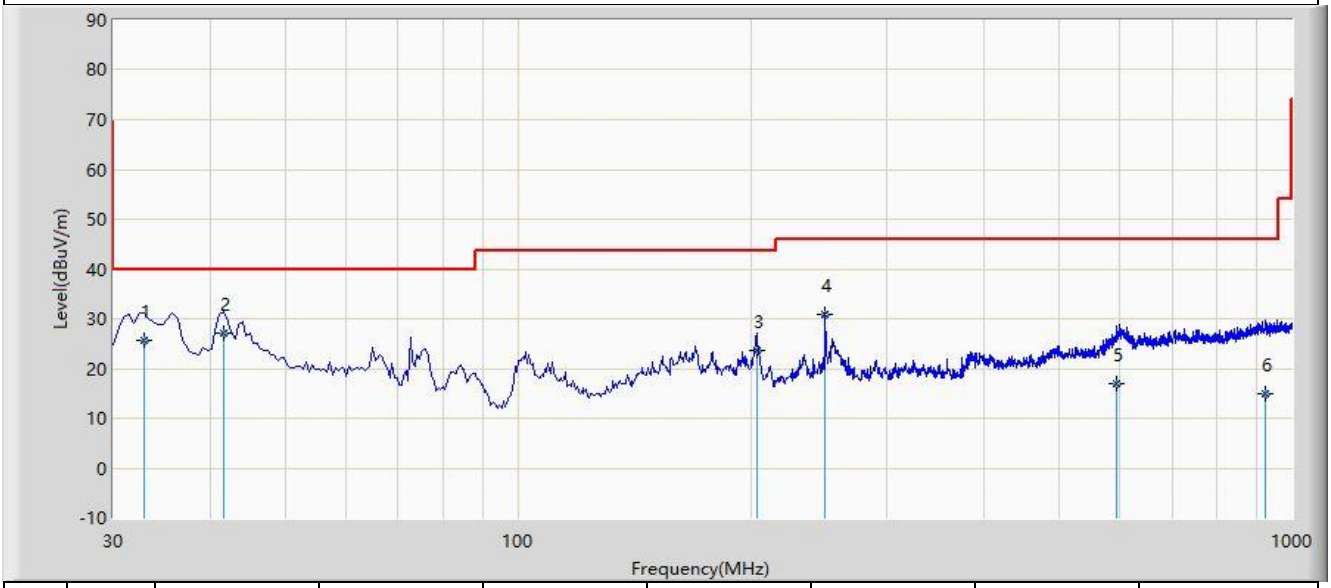
Note 1: " * ", means this data is the worst emission level.

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

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

Note 4 : The amplitude of radiated emissions (frequency range from 9kHz to 30MHz and 18GHz to 40 GHz) 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: 2024-03-31
Limit: FCC_Part15.209_RSE(3m)	Engineer: Justin Guo
Probe: VULB 9168_00998_25-2000MHz	Polarity: Vertical
EUT: Keenetic Challenger SE	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5180MHz	



No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		32.910	25.676	8.700	-14.324	40.000	16.976	QP
2	*	41.640	27.107	9.400	-12.893	40.000	17.707	QP
3		203.630	23.710	9.400	-19.790	43.500	14.310	QP
4		249.705	30.918	14.500	-15.082	46.000	16.419	QP
5		594.055	16.988	-8.400	-29.012	46.000	25.388	QP
6		925.310	14.795	-14.800	-31.205	46.000	29.595	QP

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

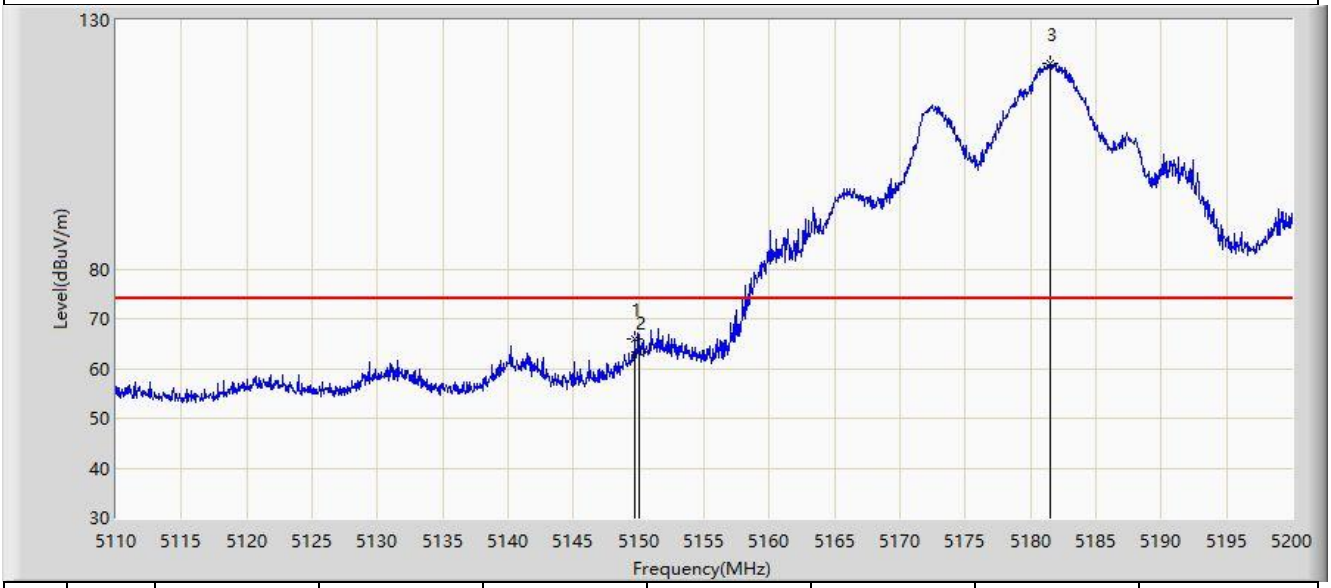
Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

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

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

A.8 Radiated Restricted Band Edge Test Result

Site: SIP-AC3	Test Date: 2024-03-28
Limit: FCC_5G_RE(3m)	Engineer: Mero Zhou
Probe: HF907_102861_1-18GHz	Polarity: Horizontal
EUT: Keenetic Challenger SE	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5180MHz	



No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	5149.735	65.845	69.170	-8.155	74.000	-3.325	PK
2		5150.000	63.245	66.491	-10.755	74.000	-3.246	PK
3		5181.460	121.427	80.883	N/A	N/A	40.544	PK

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

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

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

Site: SIP-AC3	Test Date: 2024-03-28
Limit: FCC_5G_RE(3m)	Engineer: Mero Zhou
Probe: HF907_102861_1-18GHz	Polarity: Horizontal
EUT: Keenetic Challenger SE	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5180MHz	

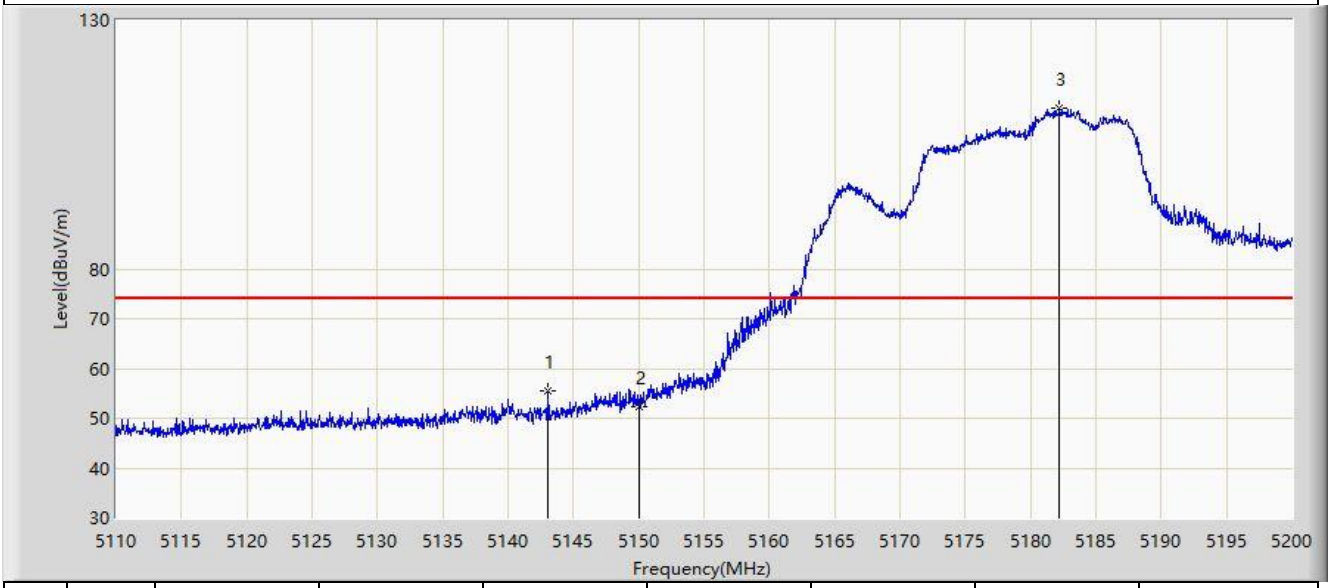
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	5150.000	51.956	55.202	-2.044	54.000	-3.246	AV
2		5181.460	113.009	72.465	N/A	N/A	40.544	AV

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

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

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

Site: SIP-AC3	Test Date: 2024-03-28
Limit: FCC_5G_RE(3m)	Engineer: Mero Zhou
Probe: HF907_102861_1-18GHz	Polarity: Vertical
EUT: Keenetic Challenger SE	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5180MHz	



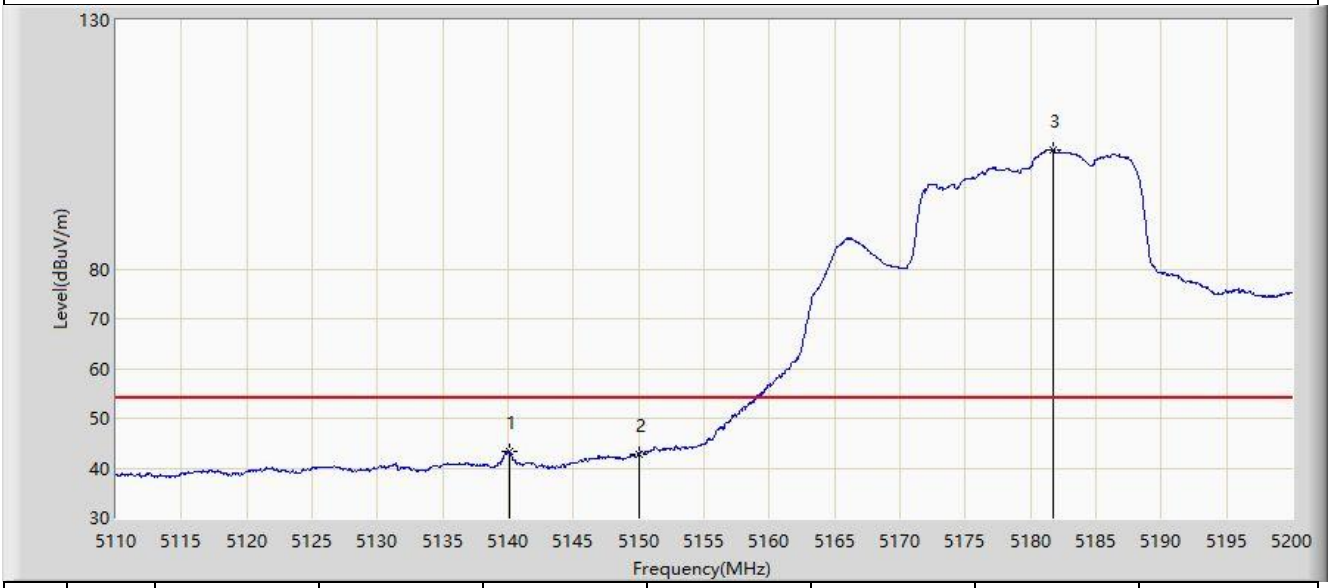
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	5143.075	55.423	59.605	-18.577	74.000	-4.181	PK
2		5150.000	52.225	55.471	-21.775	74.000	-3.246	PK
3		5182.225	112.228	73.054	N/A	N/A	39.174	PK

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

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

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

Site: SIP-AC3	Test Date: 2024-03-28
Limit: FCC_5G_RE(3m)	Engineer: Mero Zhou
Probe: HF907_102861_1-18GHz	Polarity: Vertical
EUT: Keenetic Challenger SE	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5180MHz	



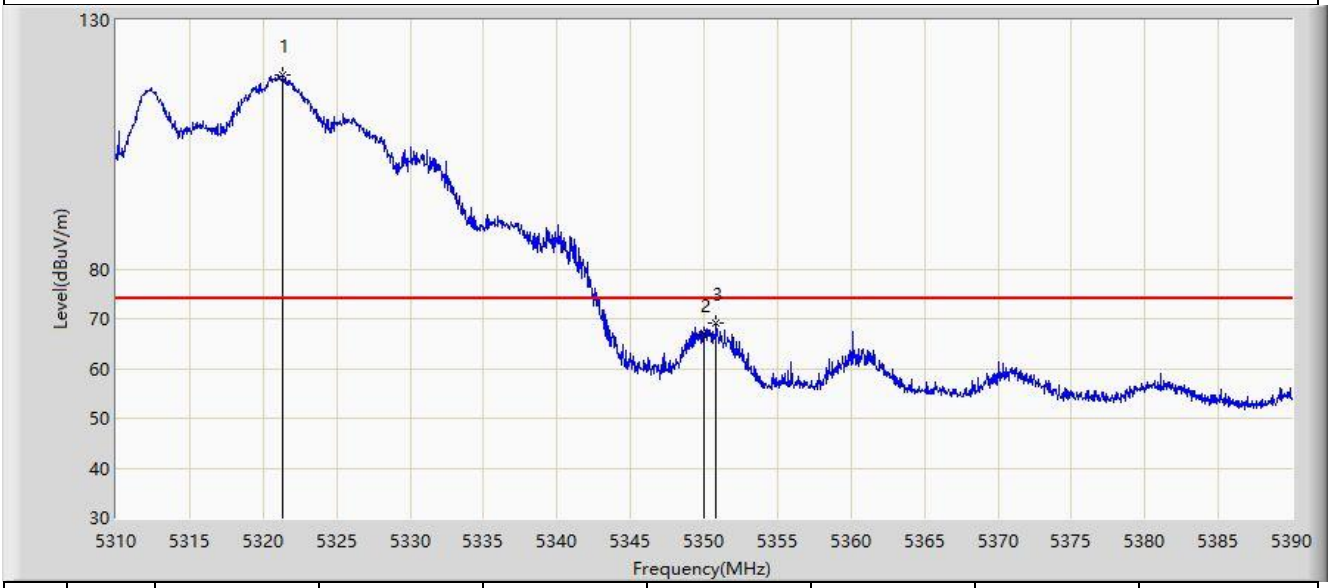
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	5140.060	43.388	47.685	-10.612	54.000	-4.297	AV
2		5150.000	42.661	45.907	-11.339	54.000	-3.246	AV
3		5181.775	103.932	63.950	N/A	N/A	39.982	AV

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

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

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

Site: SIP-AC3	Test Date: 2024-03-28
Limit: FCC_5G_RE(3m)	Engineer: Mero Zhou
Probe: HF907_102861_1-18GHz	Polarity: Horizontal
EUT: Keenetic Challenger SE	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5320MHz	



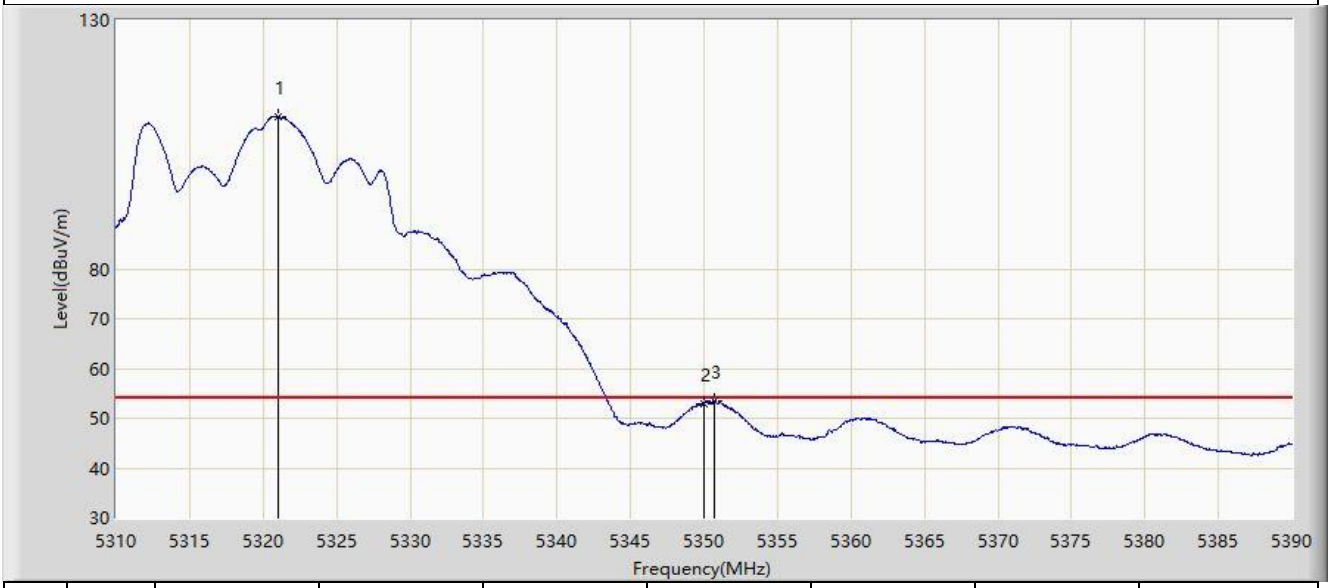
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		5321.320	119.044	79.852	N/A	N/A	39.193	PK
2		5350.000	66.751	68.155	-7.249	74.000	-1.404	PK
3	*	5350.840	69.223	71.060	-4.777	74.000	-1.837	PK

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

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

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

Site: SIP-AC3	Test Date: 2024-03-28
Limit: FCC_5G_RE(3m)	Engineer: Mero Zhou
Probe: HF907_102861_1-18GHz	Polarity: Horizontal
EUT: Keenetic Challenger SE	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5320MHz	



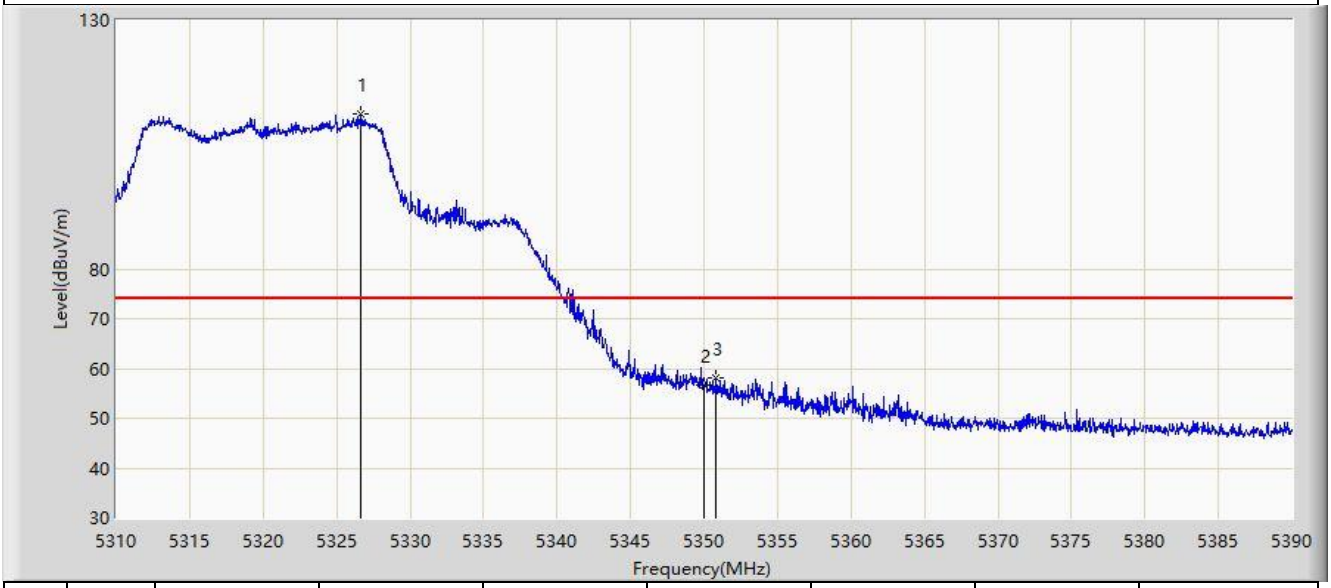
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		5321.040	110.591	71.422	N/A	N/A	39.169	AV
2		5350.000	53.041	54.445	-0.959	54.000	-1.404	AV
3	*	5350.720	53.486	55.265	-0.514	54.000	-1.778	AV

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

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

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

Site: SIP-AC3	Test Date: 2024-03-28
Limit: FCC_5G_RE(3m)	Engineer: Mero Zhou
Probe: HF907_102861_1-18GHz	Polarity: Vertical
EUT: Keenetic Challenger SE	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5320MHz	



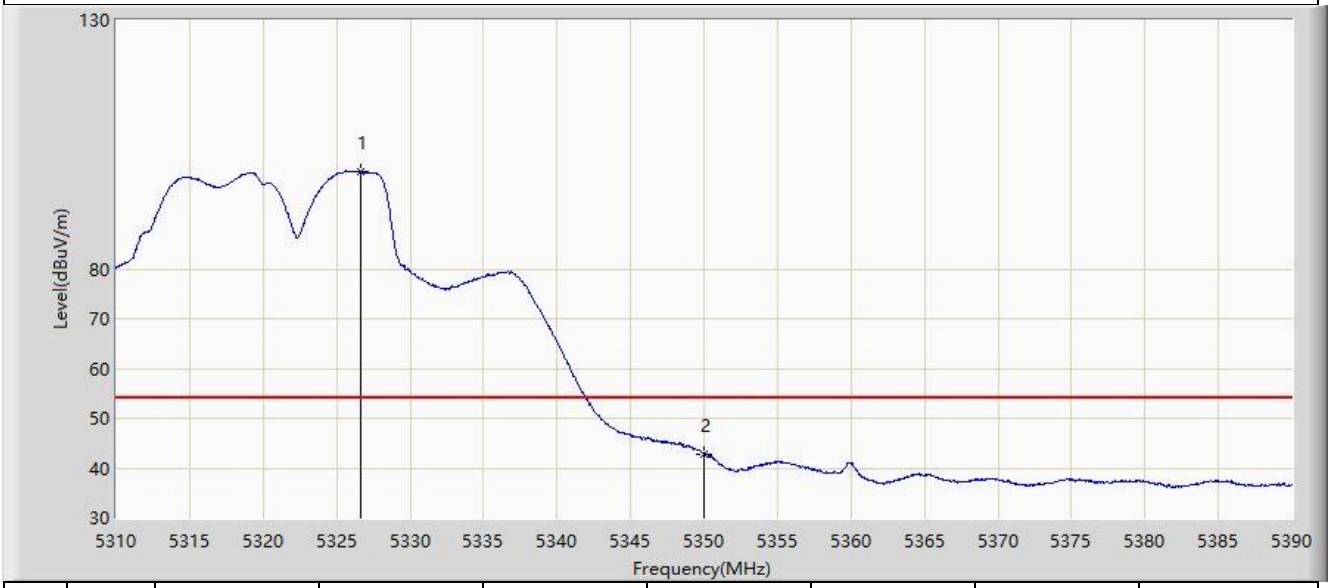
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		5326.640	111.257	72.439	N/A	N/A	38.818	PK
2		5350.000	56.694	58.098	-17.306	74.000	-1.404	PK
3	*	5350.840	58.189	60.026	-15.811	74.000	-1.837	PK

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

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

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

Site: SIP-AC3	Test Date: 2024-03-28
Limit: FCC_5G_RE(3m)	Engineer: Mero Zhou
Probe: HF907_102861_1-18GHz	Polarity: Vertical
EUT: Keenetic Challenger SE	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5320MHz	



No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		5326.640	99.433	60.615	N/A	N/A	38.818	AV
2	*	5350.000	42.834	44.238	-11.166	54.000	-1.404	AV

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

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

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

Site: SIP-AC3	Test Date: 2024-03-28
Limit: FCC_5G_RE(3m)	Engineer: Mero Zhou
Probe: HF907_102861_1-18GHz	Polarity: Horizontal
EUT: Keenetic Challenger SE	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5500MHz	

No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		5459.520	62.507	65.914	-11.493	74.000	-3.406	PK
2		5460.000	60.414	63.757	-7.786	68.200	-3.343	PK
3	*	5469.105	67.852	69.732	-0.348	68.200	-1.881	PK
4		5470.000	63.449	65.059	-4.751	68.200	-1.610	PK
5		5499.165	120.545	82.758	N/A	N/A	37.787	PK

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

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

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

Site: SIP-AC3	Test Date: 2024-03-28
Limit: FCC_5G_RE(3m)	Engineer: Mero Zhou
Probe: HF907_102861_1-18GHz	Polarity: Horizontal
EUT: Keenetic Challenger SE	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5500MHz	

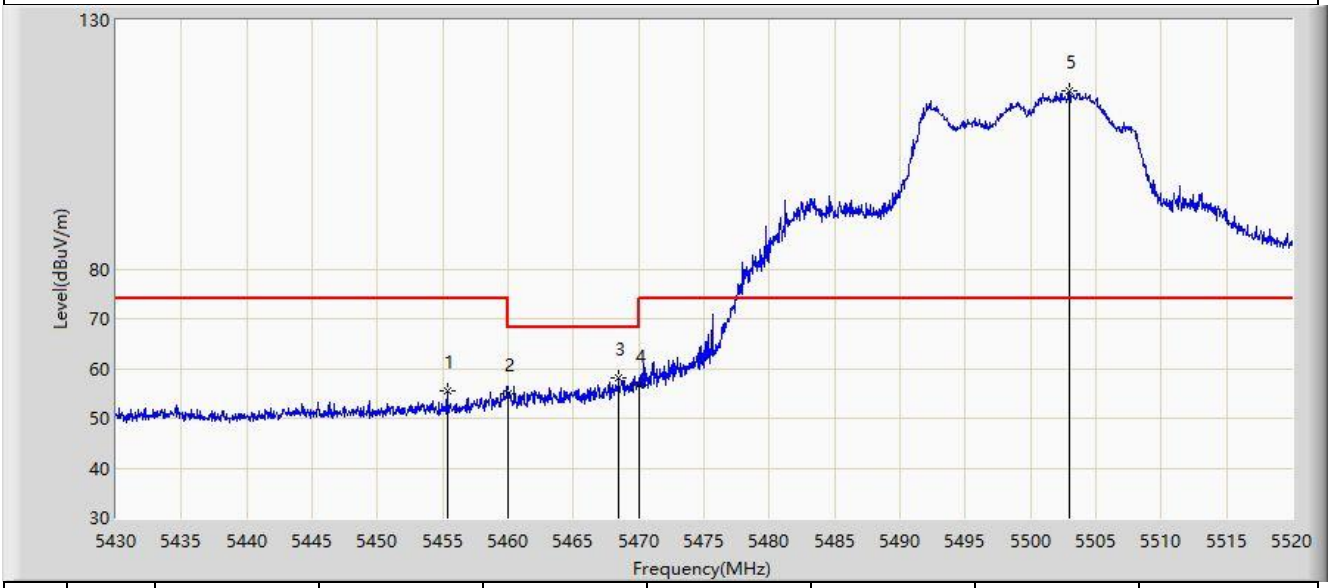
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	5460.000	52.180	55.523	-1.820	54.000	-3.343	AV
2		5499.300	112.456	74.653	N/A	N/A	37.803	AV

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

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

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

Site: SIP-AC3	Test Date: 2024-03-28
Limit: FCC_5G_RE(3m)	Engineer: Mero Zhou
Probe: HF907_102861_1-18GHz	Polarity: Vertical
EUT: Keenetic Challenger SE	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5500MHz	



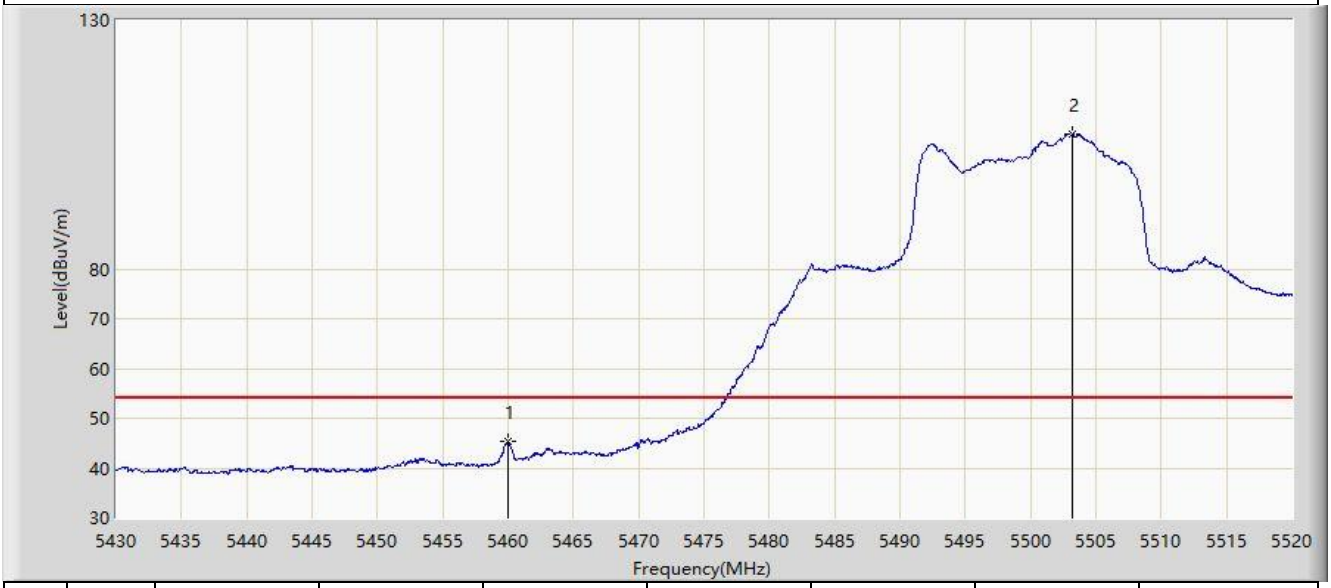
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		5455.335	55.513	59.189	-18.487	74.000	-3.677	PK
2		5460.000	54.967	58.310	-13.233	68.200	-3.343	PK
3	*	5468.475	58.209	60.308	-9.991	68.200	-2.099	PK
4		5470.000	56.723	58.333	-11.477	68.200	-1.610	PK
5		5502.990	115.760	73.675	N/A	N/A	42.085	PK

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

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

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

Site: SIP-AC3	Test Date: 2024-03-28
Limit: FCC_5G_RE(3m)	Engineer: Mero Zhou
Probe: HF907_102861_1-18GHz	Polarity: Vertical
EUT: Keenetic Challenger SE	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5500MHz	



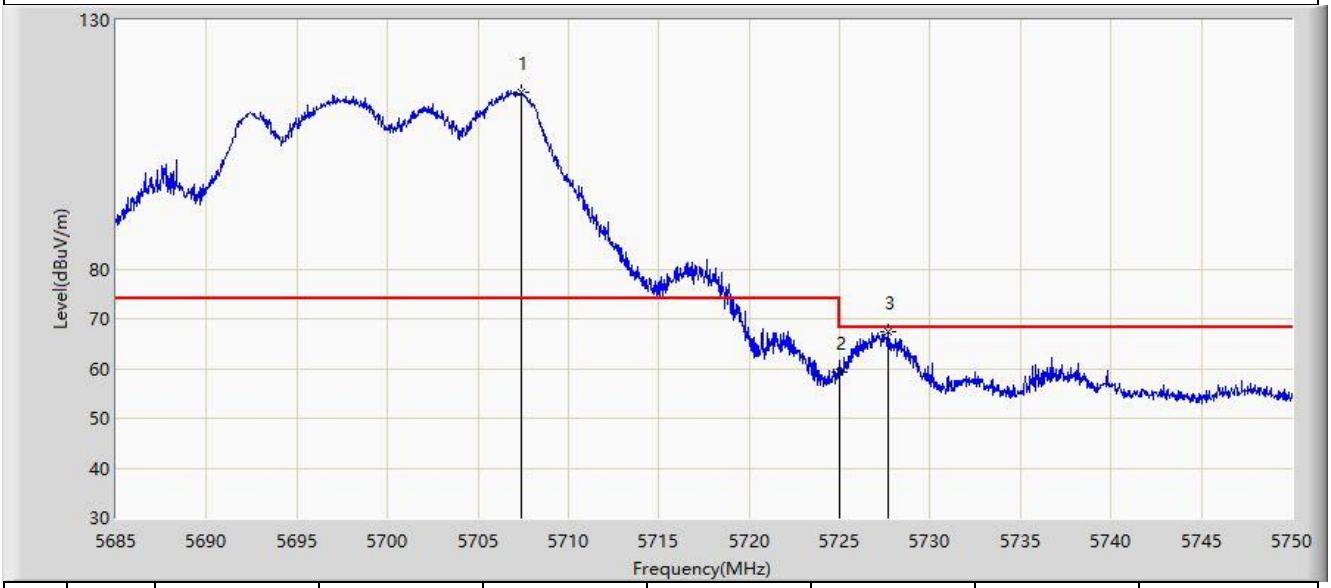
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	5460.000	45.287	48.630	-8.713	54.000	-3.343	AV
2		5503.170	107.226	64.754	N/A	N/A	42.472	AV

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

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

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

Site: SIP-AC3	Test Date: 2024-03-28
Limit: FCC_5G_RE(3m)	Engineer: Mero Zhou
Probe: HF907_102861_1-18GHz	Polarity: Horizontal
EUT: Keenetic Challenger SE	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5700MHz	



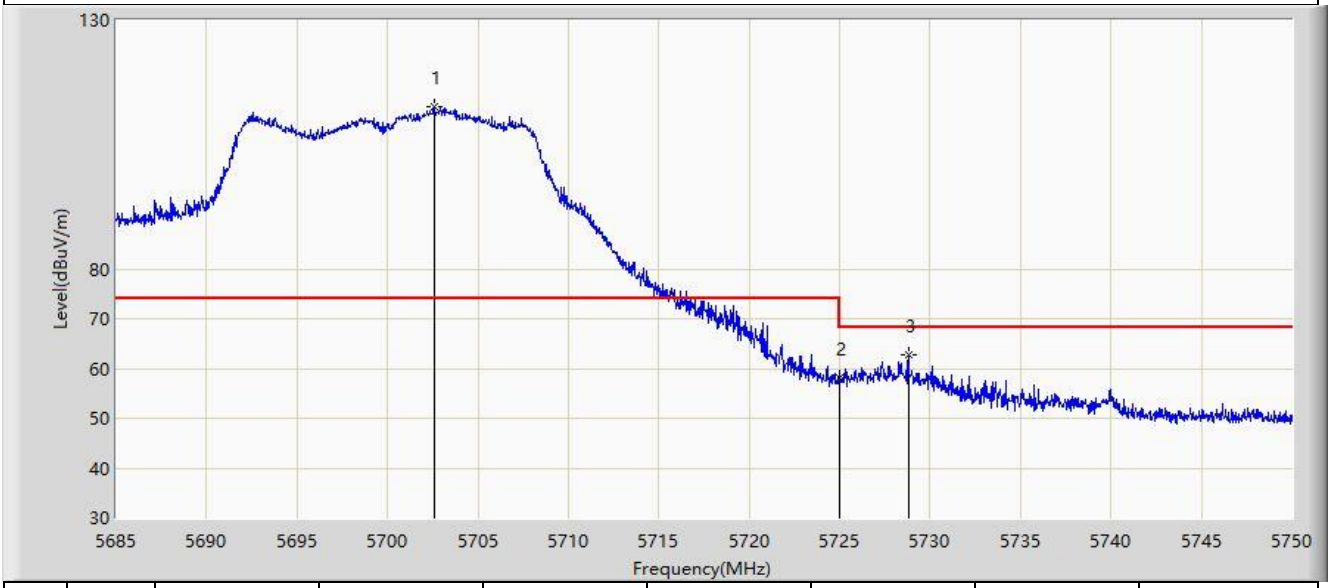
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		5707.393	115.615	75.977	N/A	N/A	39.638	PK
2		5725.000	59.174	61.009	-9.026	68.200	-1.836	PK
3	*	5727.705	67.336	70.351	-0.864	68.200	-3.015	PK

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

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

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

Site: SIP-AC3	Test Date: 2024-03-28
Limit: FCC_5G_RE(3m)	Engineer: Mero Zhou
Probe: HF907_102861_1-18GHz	Polarity: Vertical
EUT: Keenetic Challenger SE	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5700MHz	



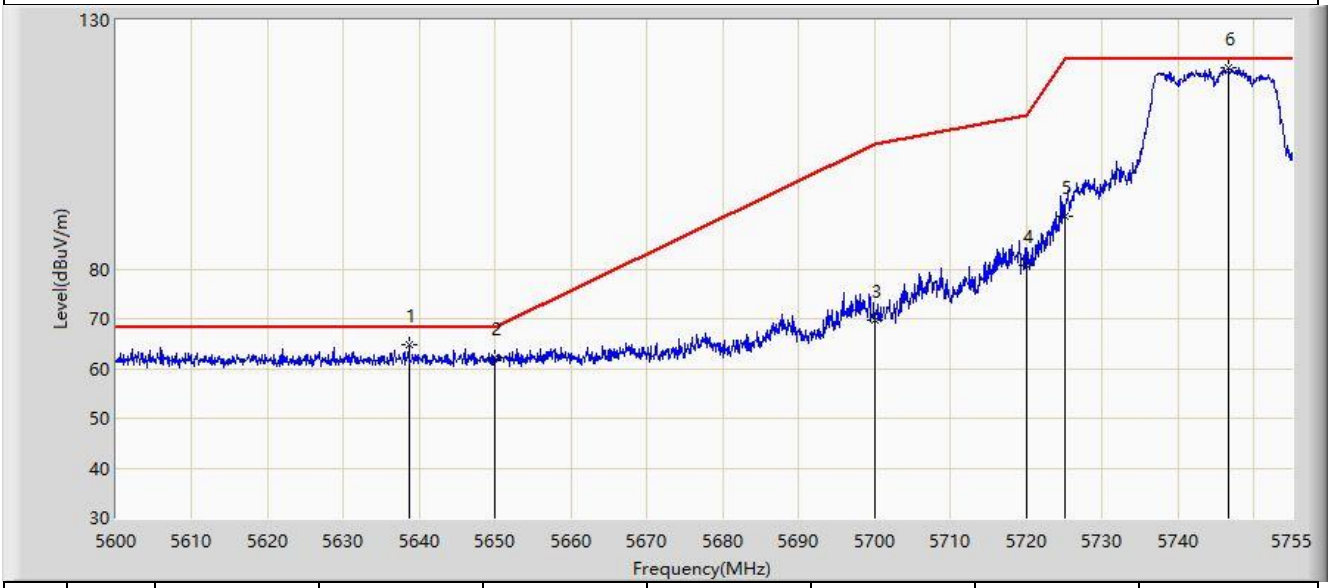
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		5702.583	112.482	75.044	N/A	N/A	37.438	PK
2		5725.000	58.158	59.993	-10.042	68.200	-1.836	PK
3	*	5728.810	62.689	66.020	-5.511	68.200	-3.330	PK

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

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

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

Site: SIP-AC3	Test Date: 2024-03-29
Limit: FCC_5.8G_RE(3m)	Engineer: Mero Zhou
Probe: HF907_102861_1-18GHz	Polarity: Horizontal
EUT: Keenetic Challenger SE	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5745MHz	



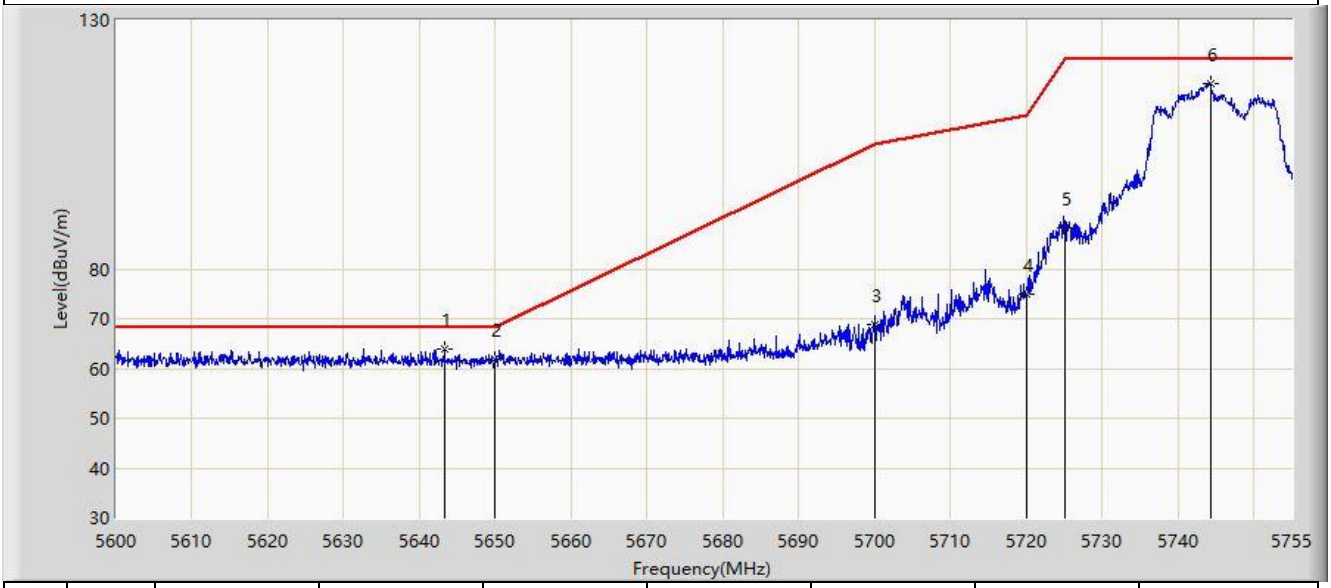
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	5638.595	64.892	72.213	-3.308	68.200	-7.320	PK
2		5650.000	62.141	69.461	-6.059	68.200	-7.319	PK
3		5700.000	69.677	76.851	-35.523	105.200	-7.174	PK
4		5720.000	80.659	88.131	-30.141	110.800	-7.472	PK
5		5725.000	90.517	97.978	-31.683	122.200	-7.461	PK
6		5746.630	120.470	127.973	N/A	N/A	-7.504	PK

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

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

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

Site: SIP-AC3	Test Date: 2024-03-29
Limit: FCC_5.8G_RE(3m)	Engineer: Mero Zhou
Probe: HF907_102861_1-18GHz	Polarity: Vertical
EUT: Keenetic Challenger SE	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5745MHz	



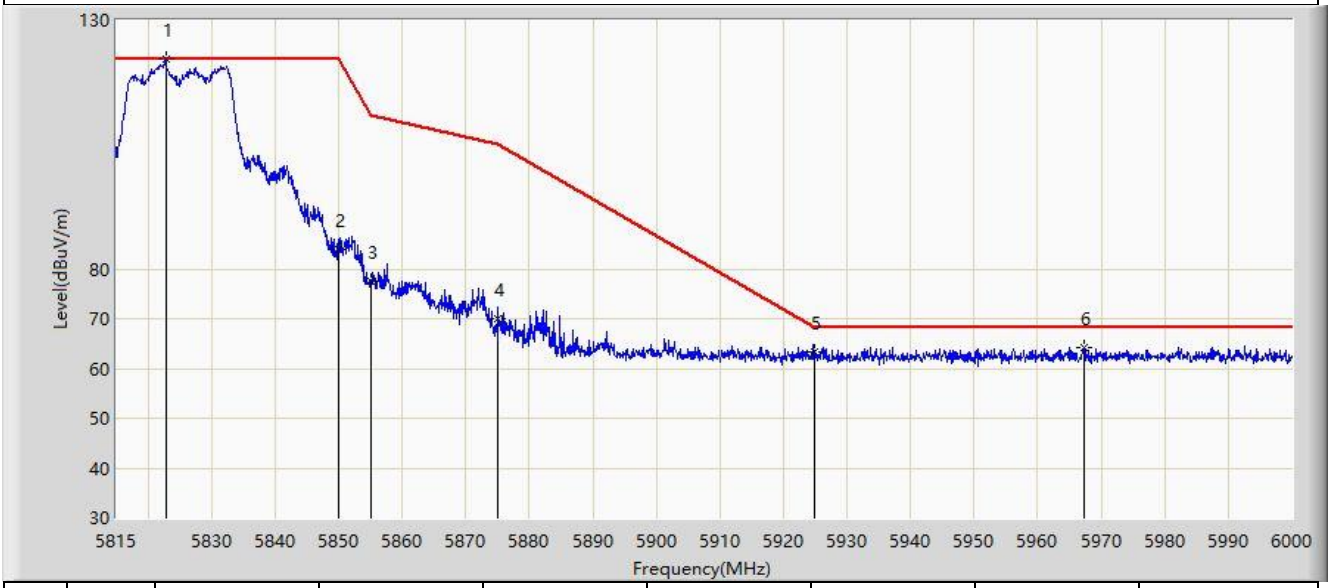
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	5643.245	64.054	71.380	-4.146	68.200	-7.326	PK
2		5650.000	61.763	69.083	-6.437	68.200	-7.319	PK
3		5700.000	68.707	75.881	-36.493	105.200	-7.174	PK
4		5720.000	74.829	82.301	-35.971	110.800	-7.472	PK
5		5725.000	88.170	95.631	-34.030	122.200	-7.461	PK
6		5744.305	117.280	124.804	N/A	N/A	-7.523	PK

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

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

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

Site: SIP-AC3	Test Date: 2024-03-29
Limit: FCC_5.8G_RE(3m)	Engineer: Mero Zhou
Probe: HF907_102861_1-18GHz	Polarity: Horizontal
EUT: Keenetic Challenger SE	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5825MHz	



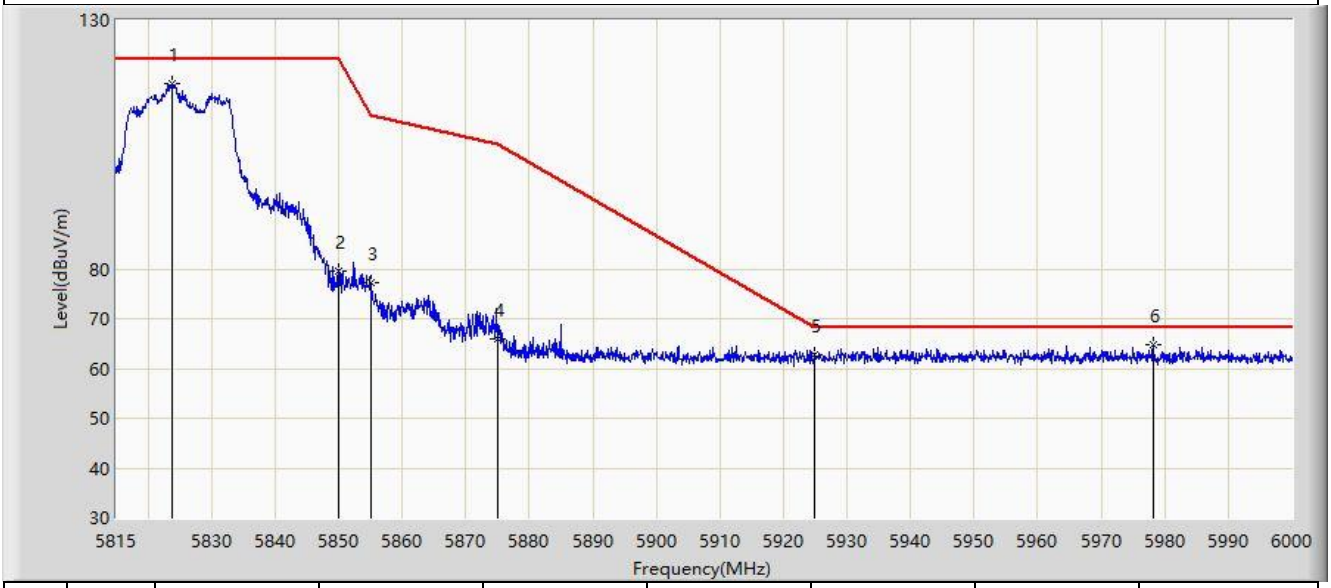
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		5822.770	122.065	129.357	N/A	N/A	-7.292	PK
2		5850.000	84.026	91.263	-38.174	122.200	-7.237	PK
3		5855.000	77.447	84.665	-33.353	110.800	-7.217	PK
4		5875.000	69.982	77.334	-35.218	105.200	-7.352	PK
5		5925.000	63.278	70.404	-4.922	68.200	-7.126	PK
6	*	5967.255	64.341	71.315	-3.859	68.200	-6.974	PK

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

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

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

Site: SIP-AC3	Test Date: 2024-03-29
Limit: FCC_5.8G_RE(3m)	Engineer: Mero Zhou
Probe: HF907_102861_1-18GHz	Polarity: Vertical
EUT: Keenetic Challenger SE	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5825MHz	



No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		5823.695	117.340	124.628	N/A	N/A	-7.288	PK
2		5850.000	79.638	86.875	-42.562	122.200	-7.237	PK
3		5855.000	77.274	84.492	-33.526	110.800	-7.217	PK
4		5875.000	65.887	73.239	-39.313	105.200	-7.352	PK
5		5925.000	62.823	69.949	-5.377	68.200	-7.126	PK
6	*	5978.170	64.764	71.755	-3.436	68.200	-6.990	PK

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

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

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

Site: SIP-AC3	Test Date: 2024-03-28
Limit: FCC_5G_RE(3m)	Engineer: Mero Zhou
Probe: HF907_102861_1-18GHz	Polarity: Horizontal
EUT: Keenetic Challenger SE	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at 5180MHz	

No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	5149.960	70.359	73.618	-3.641	74.000	-3.259	PK
2		5150.000	67.041	70.287	-6.959	74.000	-3.246	PK
3		5184.880	121.149	86.052	N/A	N/A	35.098	PK

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

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

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

Site: SIP-AC3	Test Date: 2024-03-28
Limit: FCC_5G_RE(3m)	Engineer: Mero Zhou
Probe: HF907_102861_1-18GHz	Polarity: Horizontal
EUT: Keenetic Challenger SE	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at 5180MHz	

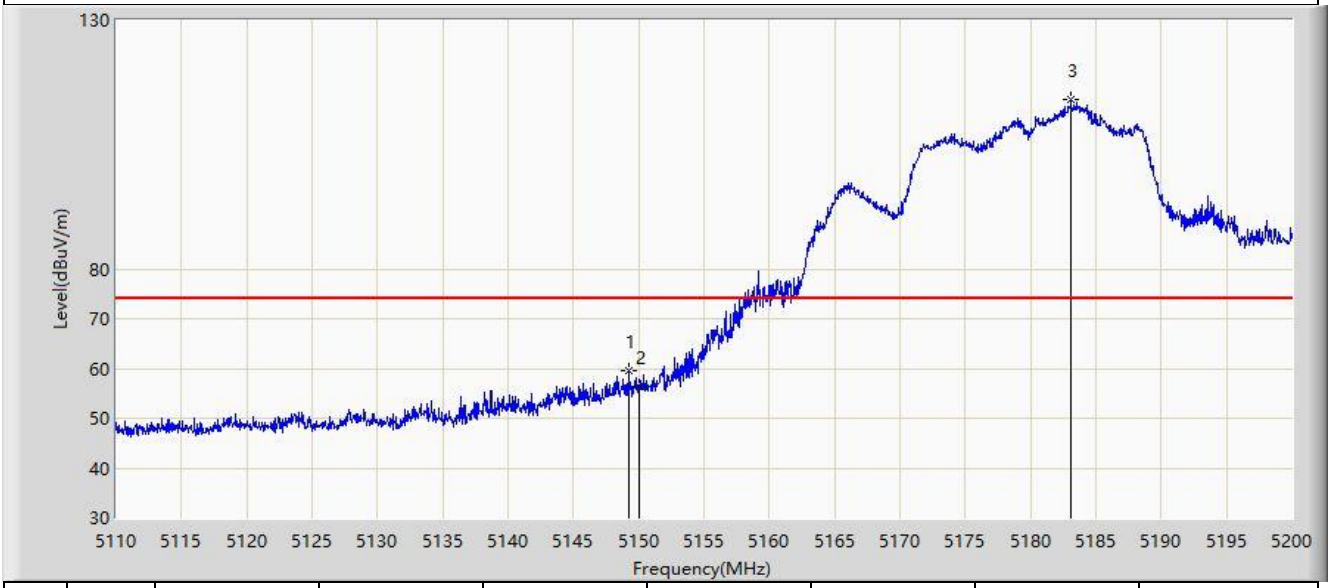
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	5150.000	53.692	56.938	-0.308	54.000	-3.246	AV
2		5185.240	112.804	77.846	N/A	N/A	34.958	AV

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

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

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

Site: SIP-AC3	Test Date: 2024-03-28
Limit: FCC_5G_RE(3m)	Engineer: Mero Zhou
Probe: HF907_102861_1-18GHz	Polarity: Vertical
EUT: Keenetic Challenger SE	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at 5180MHz	



No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1	*	5149.195	59.570	62.995	-14.430	74.000	-3.425	PK
2		5150.000	56.519	59.765	-17.481	74.000	-3.246	PK
3		5183.080	113.932	76.520	N/A	N/A	37.412	PK

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

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

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

Site: SIP-AC3	Test Date: 2024-03-28
Limit: FCC_5G_RE(3m)	Engineer: Mero Zhou
Probe: HF907_102861_1-18GHz	Polarity: Vertical
EUT: Keenetic Challenger SE	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at 5180MHz	

No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	5149.105	45.110	48.552	-8.890	54.000	-3.442	AV
2		5150.000	44.165	47.411	-9.835	54.000	-3.246	AV
3		5183.665	105.051	68.456	N/A	N/A	36.594	AV

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

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

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

Site: SIP-AC3	Test Date: 2024-03-28
Limit: FCC_5G_RE(3m)	Engineer: Mero Zhou
Probe: HF907_102861_1-18GHz	Polarity: Horizontal
EUT: Keenetic Challenger SE	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at 5320MHz	

No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1		5325.520	119.967	81.273	N/A	N/A	38.694	PK
2		5350.000	63.472	64.876	-10.528	74.000	-1.404	PK
3	*	5350.720	67.395	69.174	-6.605	74.000	-1.778	PK

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

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

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

Site: SIP-AC3	Test Date: 2024-03-28
Limit: FCC_5G_RE(3m)	Engineer: Mero Zhou
Probe: HF907_102861_1-18GHz	Polarity: Horizontal
EUT: Keenetic Challenger SE	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at 5320MHz	

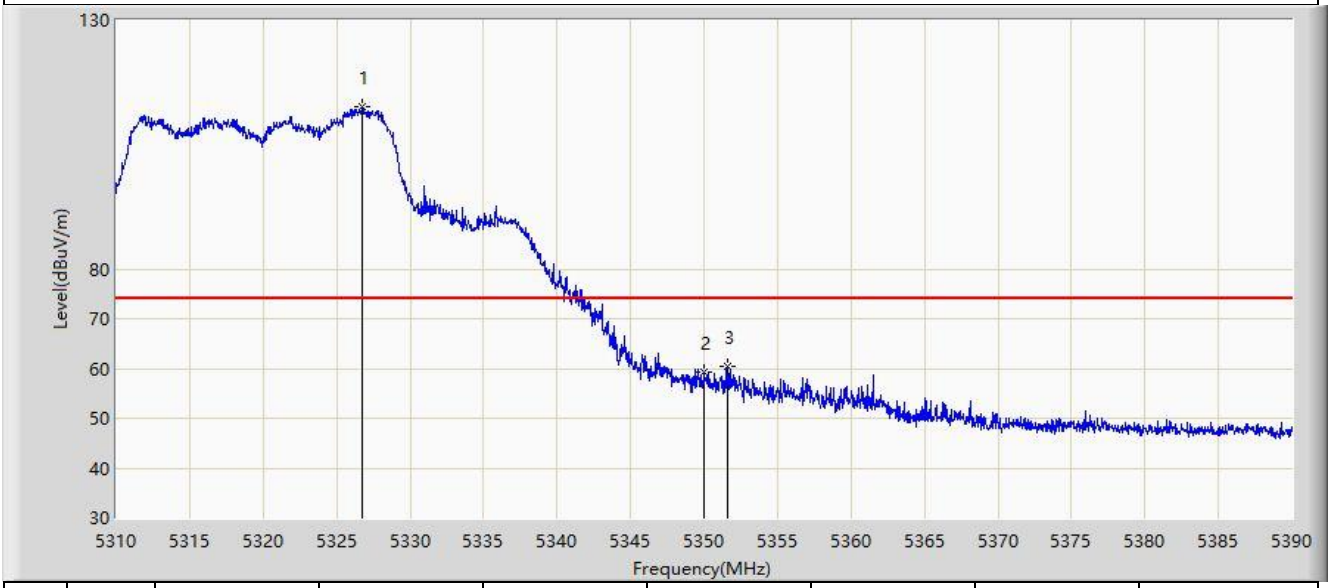
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		5325.520	111.798	73.104	N/A	N/A	38.694	AV
2		5350.000	51.921	53.325	-2.079	54.000	-1.404	AV
3	*	5350.280	52.649	54.202	-1.351	54.000	-1.553	AV

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

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

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

Site: SIP-AC3	Test Date: 2024-03-28
Limit: FCC_5G_RE(3m)	Engineer: Mero Zhou
Probe: HF907_102861_1-18GHz	Polarity: Vertical
EUT: Keenetic Challenger SE	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at 5320MHz	



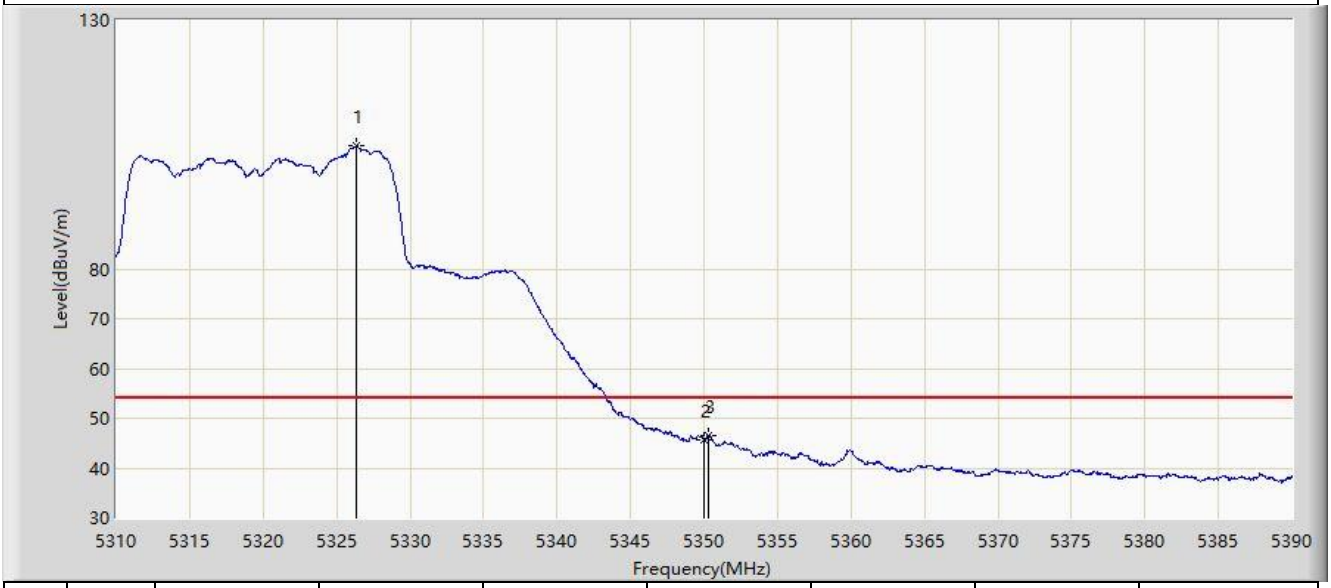
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		5326.760	112.580	73.696	N/A	N/A	38.884	PK
2		5350.000	59.228	60.632	-14.772	74.000	-1.404	PK
3	*	5351.560	60.459	62.618	-13.541	74.000	-2.160	PK

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

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

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

Site: SIP-AC3	Test Date: 2024-03-28
Limit: FCC_5G_RE(3m)	Engineer: Mero Zhou
Probe: HF907_102861_1-18GHz	Polarity: Vertical
EUT: Keenetic Challenger SE	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at 5320MHz	



No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		5326.360	104.710	66.047	N/A	N/A	38.664	AV
2		5350.000	45.720	47.124	-8.280	54.000	-1.404	AV
3	*	5350.320	46.660	48.235	-7.340	54.000	-1.575	AV

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

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

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

Site: SIP-AC3	Test Date: 2024-03-28
Limit: FCC_5G_RE(3m)	Engineer: Mero Zhou
Probe: HF907_102861_1-18GHz	Polarity: Horizontal
EUT: Keenetic Challenger SE	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at 5500MHz	

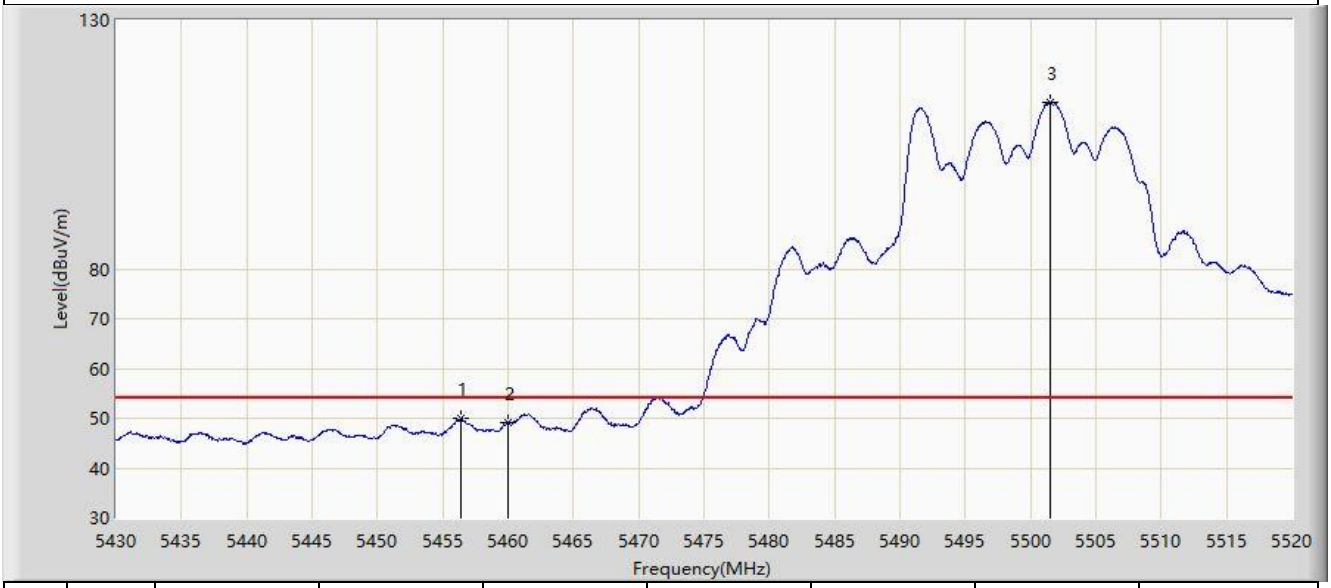
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		5456.055	63.018	66.659	-10.982	74.000	-3.641	PK
2		5460.000	58.764	62.107	-9.436	68.200	-3.343	PK
3	*	5466.495	67.027	69.647	-1.173	68.200	-2.621	PK
4		5470.000	60.391	62.001	-7.809	68.200	-1.610	PK
5		5501.280	122.000	82.600	N/A	N/A	39.400	PK

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

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

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

Site: SIP-AC3	Test Date: 2024-03-28
Limit: FCC_5G_RE(3m)	Engineer: Mero Zhou
Probe: HF907_102861_1-18GHz	Polarity: Horizontal
EUT: Keenetic Challenger SE	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at 5500MHz	



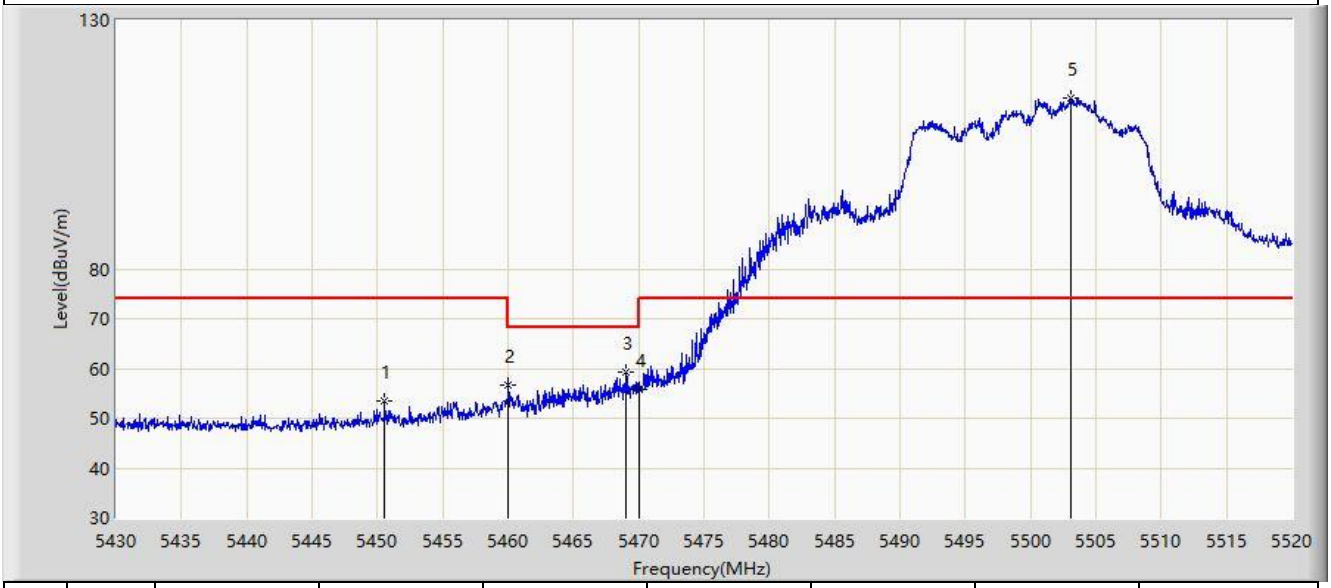
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	5456.415	49.930	53.590	-4.070	54.000	-3.660	AV
2		5460.000	49.266	52.609	-4.734	54.000	-3.343	AV
3		5501.460	113.541	73.985	N/A	N/A	39.555	AV

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

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

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

Site: SIP-AC3	Test Date: 2024-03-28
Limit: FCC_5G_RE(3m)	Engineer: Mero Zhou
Probe: HF907_102861_1-18GHz	Polarity: Vertical
EUT: Keenetic Challenger SE	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at 5500MHz	



No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		5450.565	53.591	57.506	-20.409	74.000	-3.915	PK
2		5460.000	56.666	60.009	-11.534	68.200	-3.343	PK
3	*	5469.060	59.160	61.064	-9.040	68.200	-1.904	PK
4		5470.000	55.763	57.373	-12.437	68.200	-1.610	PK
5		5503.035	114.414	72.232	N/A	N/A	42.182	PK

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

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

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

Site: SIP-AC3	Test Date: 2024-03-28
Limit: FCC_5G_RE(3m)	Engineer: Mero Zhou
Probe: HF907_102861_1-18GHz	Polarity: Vertical
EUT: Keenetic Challenger SE	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at 5500MHz	

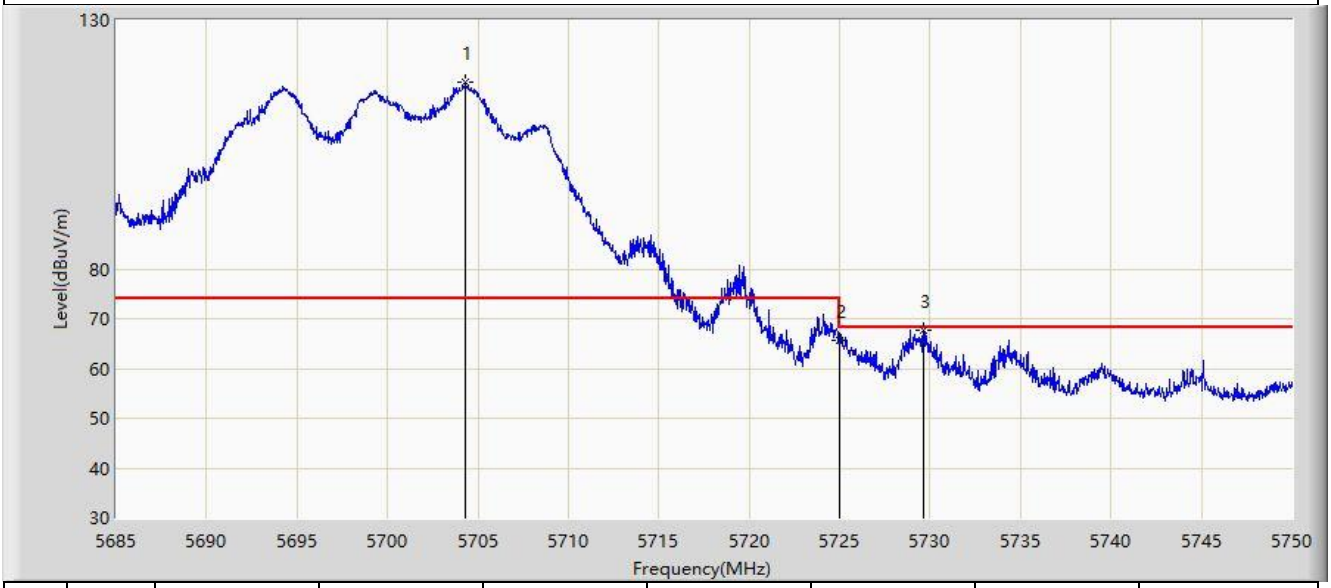
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	5460.000	44.891	48.234	-9.109	54.000	-3.343	AV
2		5503.440	106.598	63.667	N/A	N/A	42.932	AV

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

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

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

Site: SIP-AC3	Test Date: 2024-03-28
Limit: FCC_5G_RE(3m)	Engineer: Mero Zhou
Probe: HF907_102861_1-18GHz	Polarity: Horizontal
EUT: Keenetic Challenger SE	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at 5700MHz	



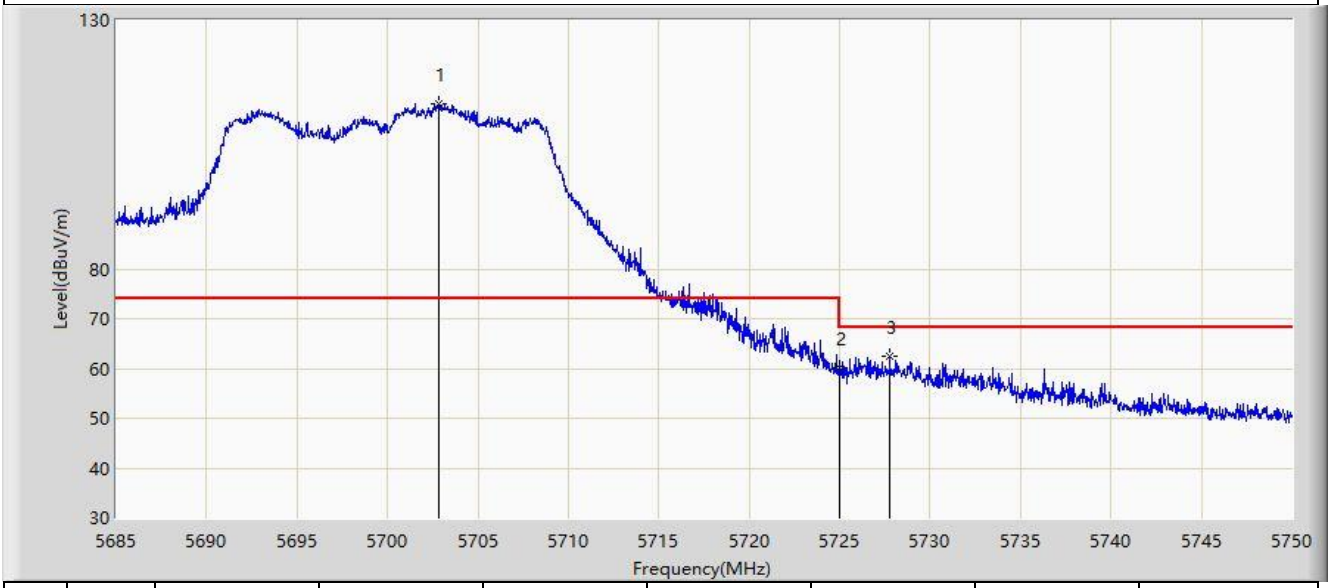
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		5704.305	117.510	79.144	N/A	N/A	38.367	PK
2		5725.000	65.599	67.434	-2.601	68.200	-1.836	PK
3	*	5729.623	67.659	71.214	-0.541	68.200	-3.556	PK

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

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

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

Site: SIP-AC3	Test Date: 2024-03-28
Limit: FCC_5G_RE(3m)	Engineer: Mero Zhou
Probe: HF907_102861_1-18GHz	Polarity: Vertical
EUT: Keenetic Challenger SE	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at 5700MHz	



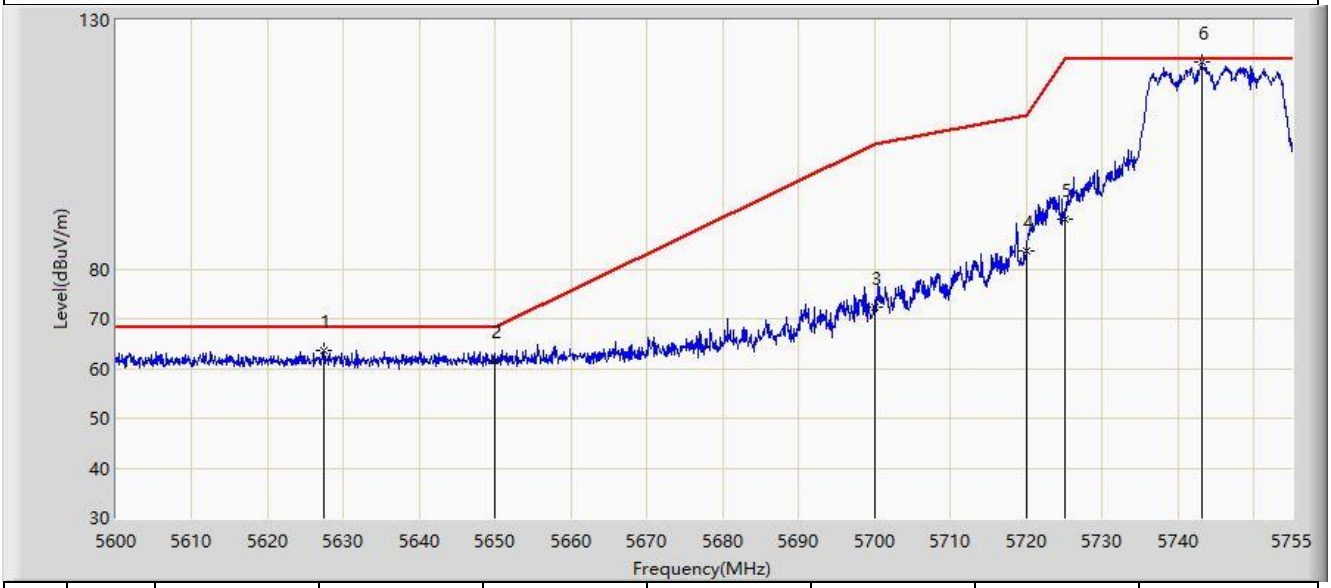
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		5702.810	113.222	75.616	N/A	N/A	37.606	PK
2		5725.000	60.143	61.978	-8.057	68.200	-1.836	PK
3	*	5727.770	62.343	65.385	-5.857	68.200	-3.042	PK

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

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

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

Site: SIP-AC3	Test Date: 2024-03-29
Limit: FCC_5.8G_RE(3m)	Engineer: Mero Zhou
Probe: HF907_102861_1-18GHz	Polarity: Horizontal
EUT: Keenetic Challenger SE	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at 5745MHz	



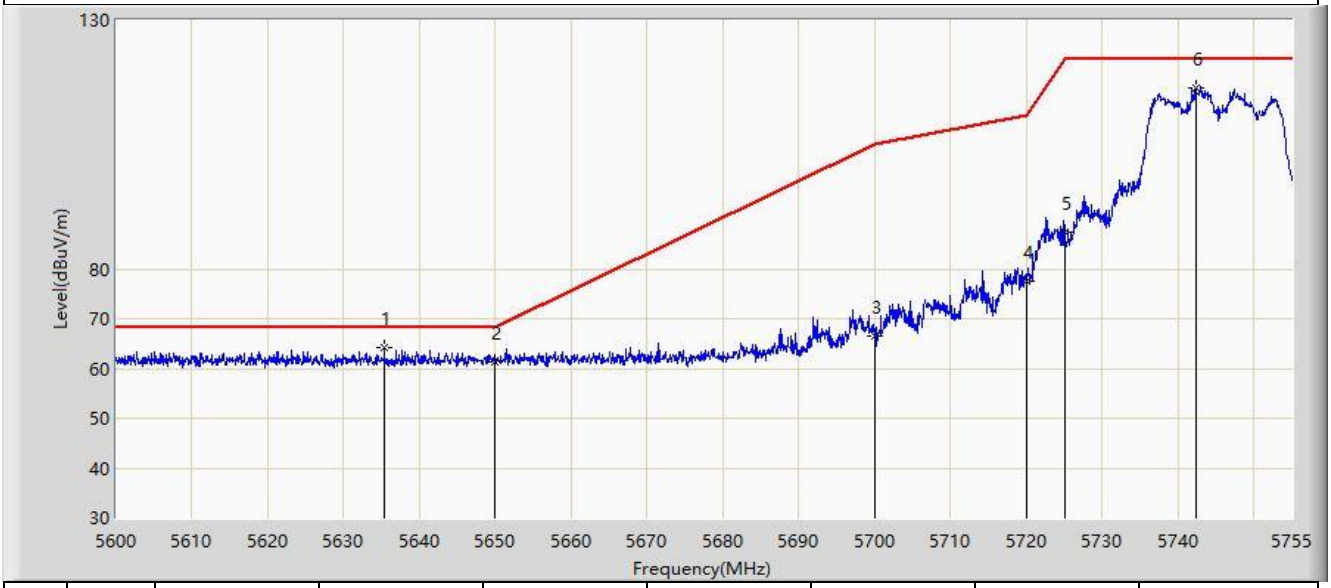
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	5627.357	63.667	70.952	-4.533	68.200	-7.286	PK
2		5650.000	61.490	68.810	-6.710	68.200	-7.319	PK
3		5700.000	72.290	79.464	-32.910	105.200	-7.174	PK
4		5720.000	83.614	91.086	-27.186	110.800	-7.472	PK
5		5725.000	89.890	97.351	-32.310	122.200	-7.461	PK
6		5743.065	121.735	129.270	N/A	N/A	-7.536	PK

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

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

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

Site: SIP-AC3	Test Date: 2024-03-29
Limit: FCC_5.8G_RE(3m)	Engineer: Mero Zhou
Probe: HF907_102861_1-18GHz	Polarity: Vertical
EUT: Keenetic Challenger SE	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at 5745MHz	



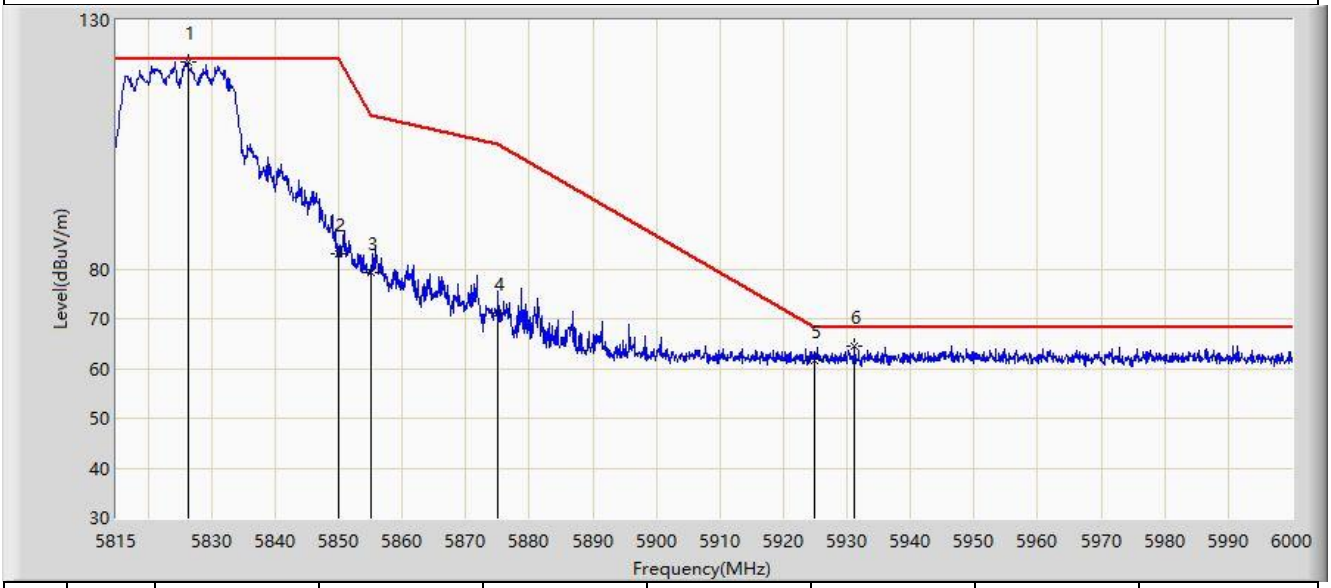
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	5635.340	64.180	71.490	-4.020	68.200	-7.311	PK
2		5650.000	61.427	68.747	-6.773	68.200	-7.319	PK
3		5700.000	66.479	73.653	-38.721	105.200	-7.174	PK
4		5720.000	77.401	84.873	-33.399	110.800	-7.472	PK
5		5725.000	87.534	94.995	-34.666	122.200	-7.461	PK
6		5742.290	116.492	124.025	N/A	N/A	-7.533	PK

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

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

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

Site: SIP-AC3	Test Date: 2024-03-29
Limit: FCC_5.8G_RE(3m)	Engineer: Mero Zhou
Probe: HF907_102861_1-18GHz	Polarity: Horizontal
EUT: Keenetic Challenger SE	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at 5825MHz	



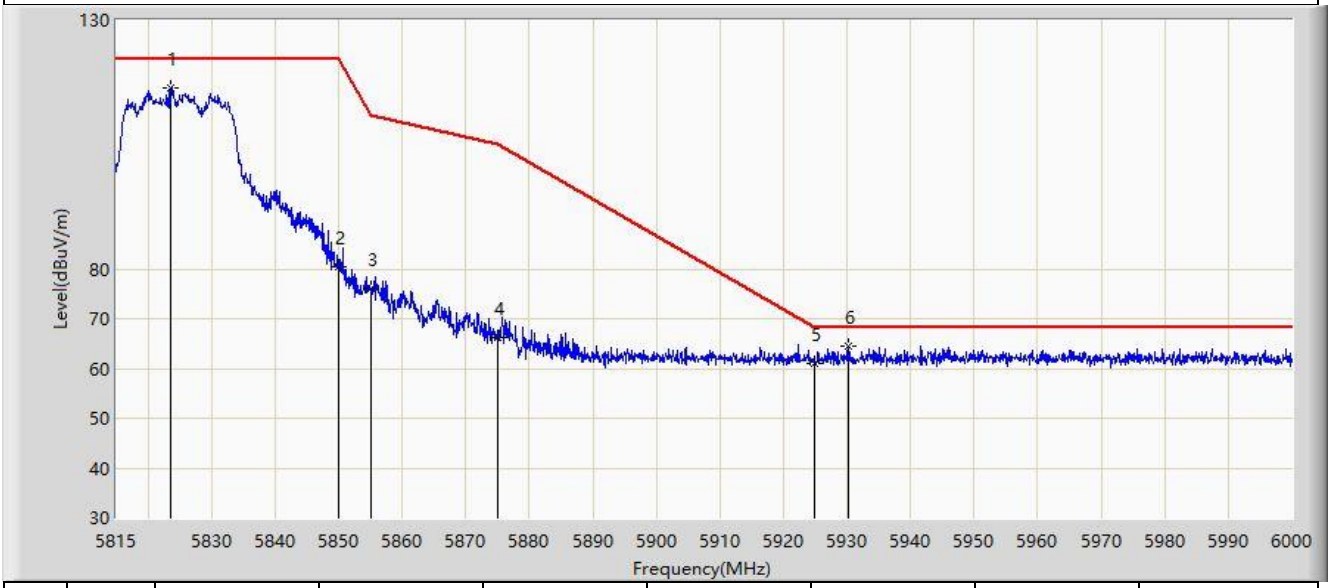
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		5826.285	121.505	128.781	N/A	N/A	-7.276	PK
2		5850.000	83.149	90.386	-39.051	122.200	-7.237	PK
3		5855.000	79.256	86.474	-31.544	110.800	-7.217	PK
4		5875.000	71.201	78.553	-33.999	105.200	-7.352	PK
5		5925.000	61.641	68.767	-6.559	68.200	-7.126	PK
6	*	5931.180	64.364	71.456	-3.836	68.200	-7.091	PK

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

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

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

Site: SIP-AC3	Test Date: 2024-03-29
Limit: FCC_5.8G_RE(3m)	Engineer: Mero Zhou
Probe: HF907_102861_1-18GHz	Polarity: Vertical
EUT: Keenetic Challenger SE	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at 5825MHz	



No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		5823.510	116.327	123.616	N/A	N/A	-7.288	PK
2		5850.000	80.537	87.774	-41.663	122.200	-7.237	PK
3		5855.000	76.185	83.403	-34.615	110.800	-7.217	PK
4		5875.000	66.318	73.670	-38.882	105.200	-7.352	PK
5		5925.000	61.072	68.198	-7.128	68.200	-7.126	PK
6	*	5930.163	64.493	71.593	-3.707	68.200	-7.100	PK

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

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

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

Site: SIP-AC3	Test Date: 2024-03-28
Limit: FCC_5G_RE(3m)	Engineer: Mero Zhou
Probe: HF907_102861_1-18GHz	Polarity: Horizontal
EUT: Keenetic Challenger SE	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at 5190MHz	

No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	5149.500	64.387	67.755	-9.613	74.000	-3.368	PK
2		5150.000	63.202	66.448	-10.798	74.000	-3.246	PK
3		5184.300	114.979	79.198	N/A	N/A	35.781	PK

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

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

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

Site: SIP-AC3	Test Date: 2024-03-28
Limit: FCC_5G_RE(3m)	Engineer: Mero Zhou
Probe: HF907_102861_1-18GHz	Polarity: Horizontal
EUT: Keenetic Challenger SE	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at 5190MHz	

No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	5150.000	53.587	56.833	-0.413	54.000	-3.246	AV
2		5184.650	106.919	71.551	N/A	N/A	35.368	AV

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

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

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

Site: SIP-AC3	Test Date: 2024-03-28
Limit: FCC_5G_RE(3m)	Engineer: Mero Zhou
Probe: HF907_102861_1-18GHz	Polarity: Vertical
EUT: Keenetic Challenger SE	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at 5190MHz	

No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	5150.000	53.098	56.344	-20.902	74.000	-3.246	PK
2		5191.050	107.251	69.131	N/A	N/A	38.120	PK

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

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

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

Site: SIP-AC3	Test Date: 2024-03-28
Limit: FCC_5G_RE(3m)	Engineer: Mero Zhou
Probe: HF907_102861_1-18GHz	Polarity: Vertical
EUT: Keenetic Challenger SE	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at 5190MHz	

No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1	*	5150.000	44.879	48.125	-9.121	54.000	-3.246	AV
2		5191.150	99.100	61.075	N/A	N/A	38.025	AV

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

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

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