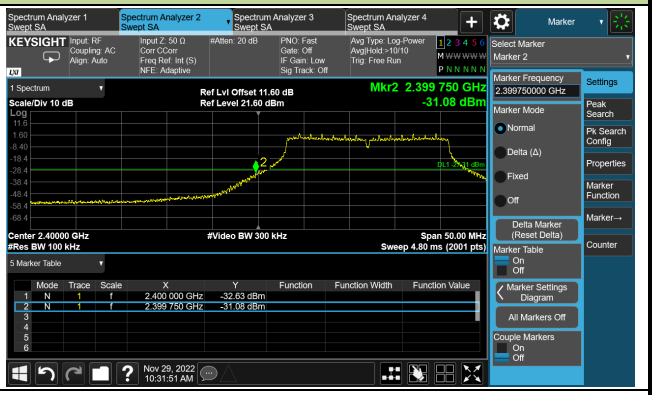
802.11n-HT20 Out-of-Band Emissions – Ant 3

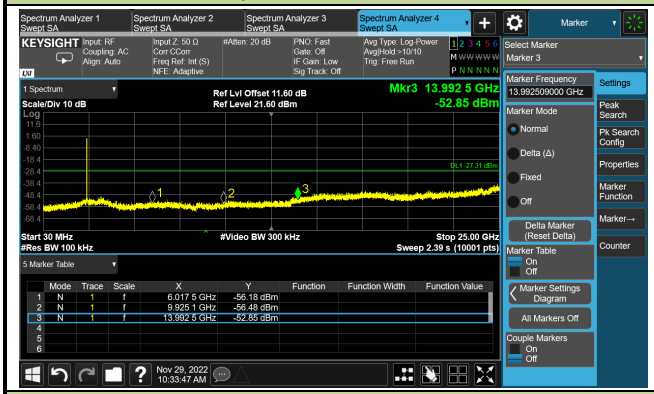
Channel 01 (2412MHz)

100kHz PSD Reference Level

Low Band Edge

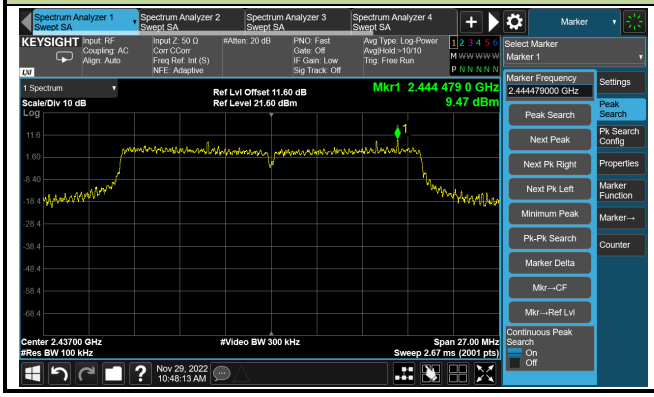


Spurious Emission

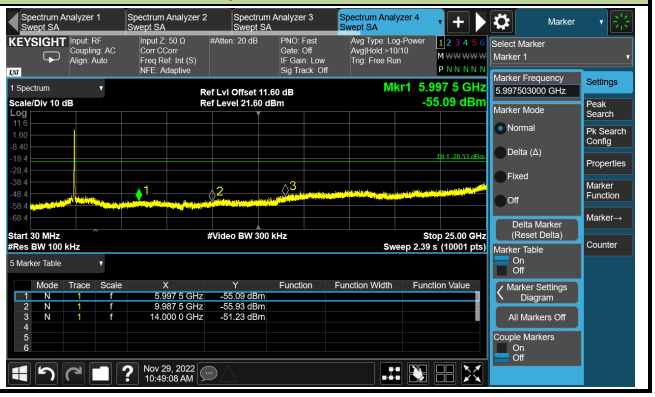


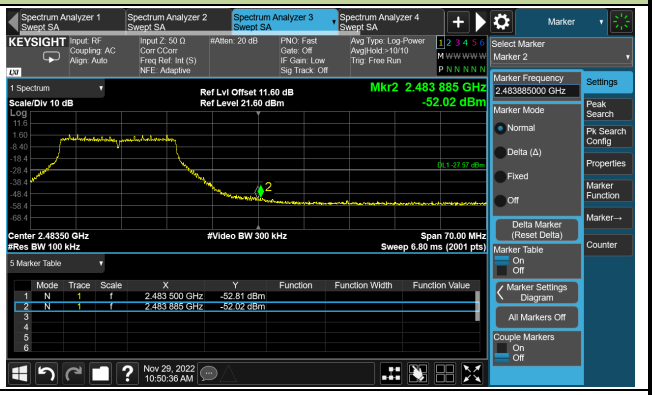
Channel 06 (2437MHz)

100kHz PSD Reference Level



Spurious Emission



802.11n-HT20 Out-of-Band Emissions – Ant 3	
Channel 11 (2462MHz)	
100kHz PSD Reference Level	High Band Edge
	
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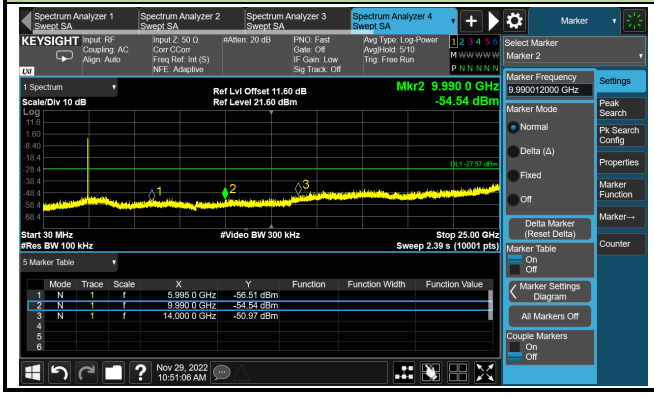
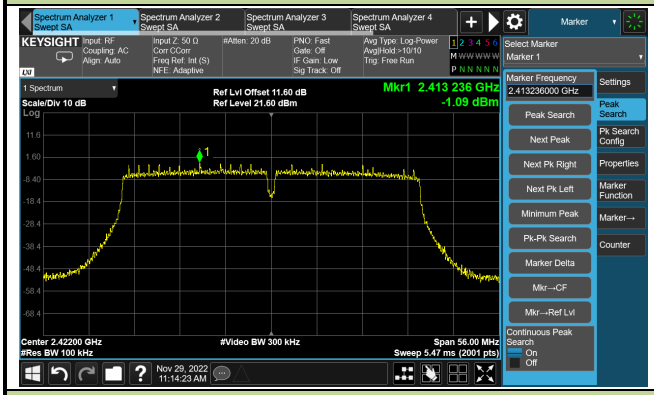
	

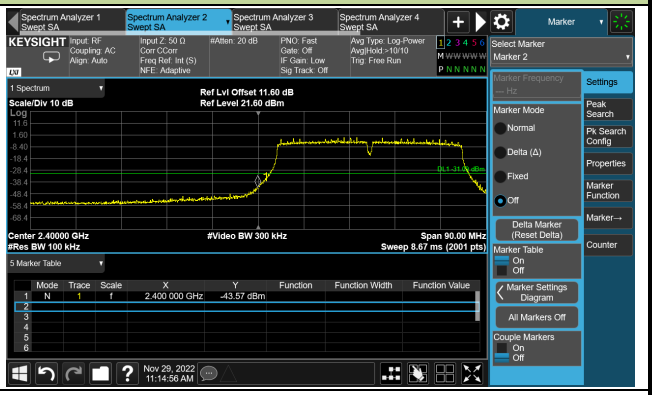
802.11n-HT40 Out-of-Band Emissions – Ant 3

Channel 03 (2422MHz)

100kHz PSD Reference Level



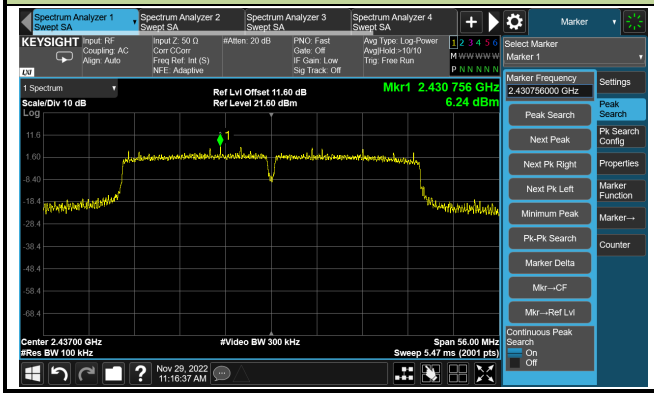
Low Band Edge



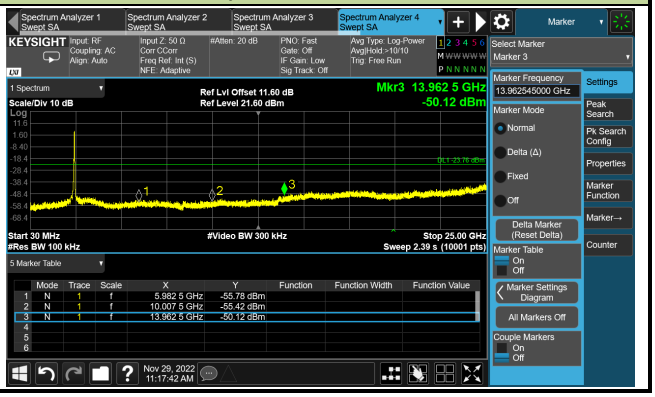
Spurious Emission

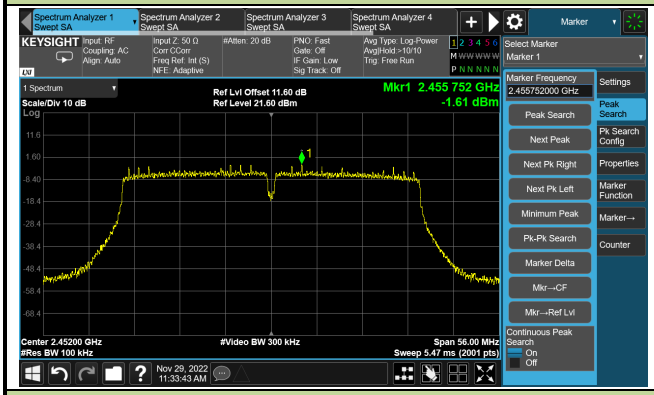
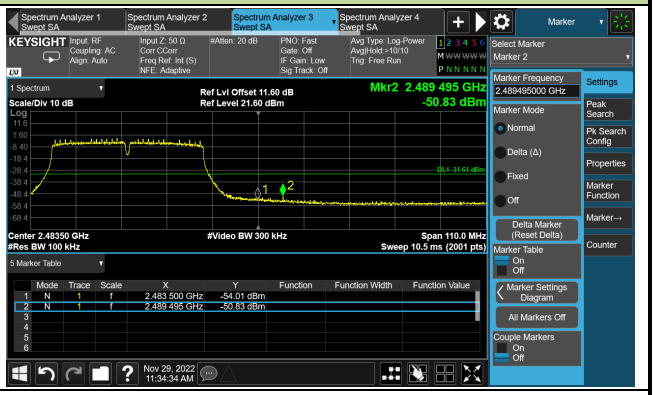
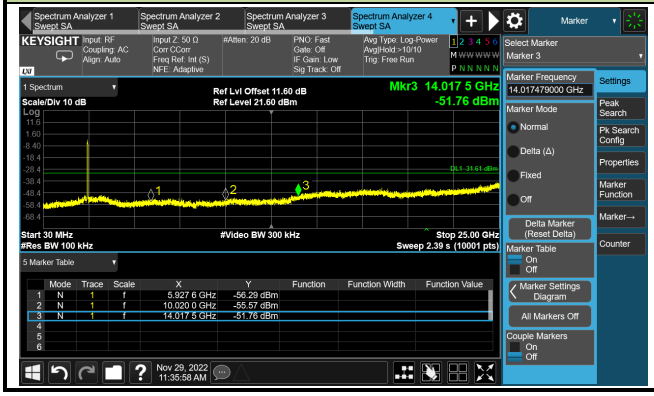
Channel 06 (2437MHz)

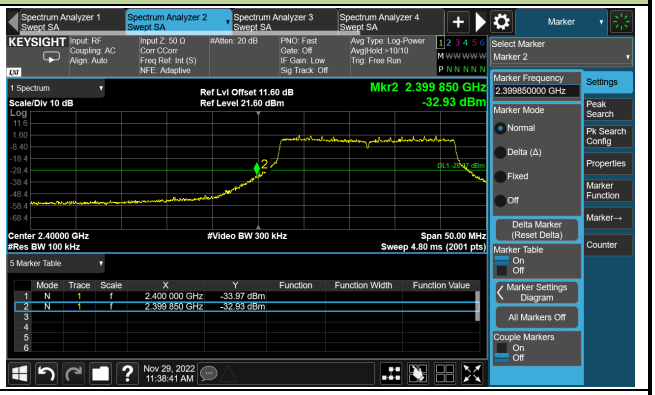
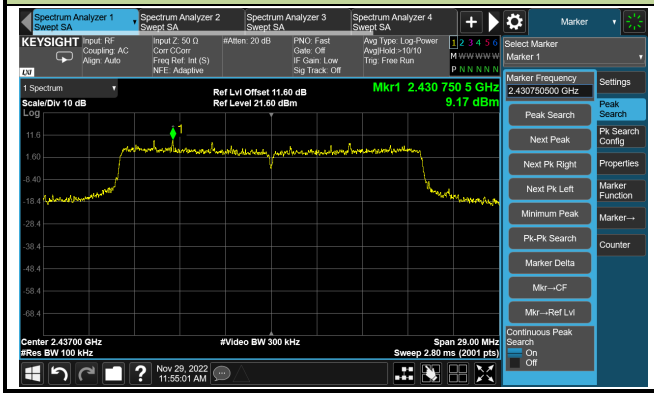
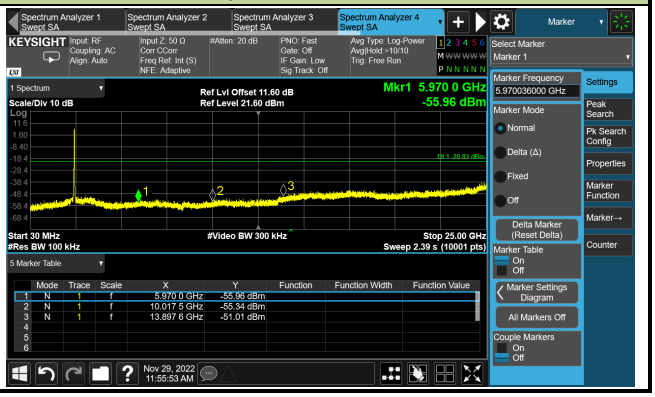
100kHz PSD Reference Level

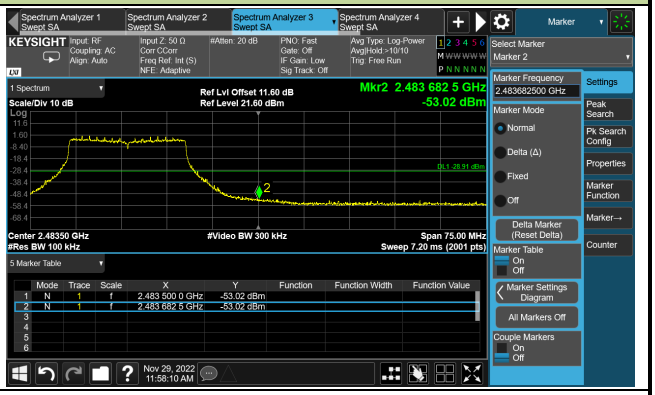
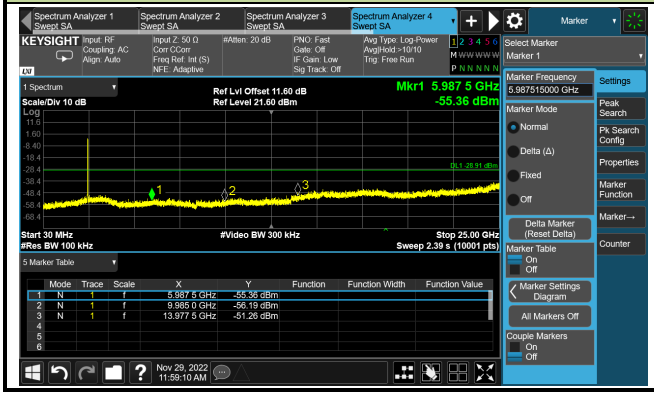


Spurious Emission



802.11n-HT40 Out-of-Band Emissions – Ant 3	
Channel 09 (2452MHz)	
100kHz PSD Reference Level	High Band Edge
	
Spurious Emission	
	

802.11ax-HE20 Out-of-Band Emissions – Ant 3	
Channel 01 (2412MHz)	
100kHz PSD Reference Level	Low Band Edge
	
Spurious Emission	
	
Channel 06 (2437MHz)	
100kHz PSD Reference Level	Spurious Emission
	

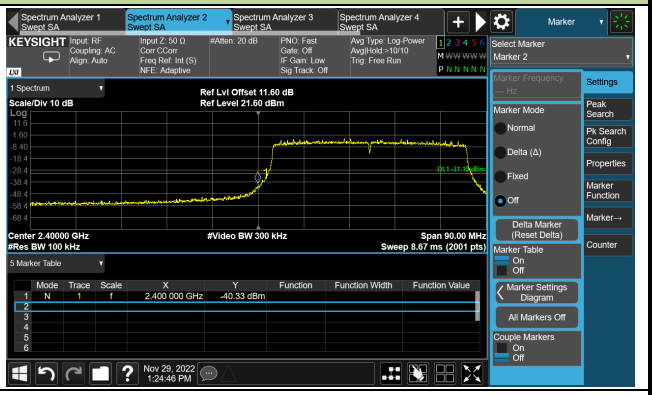
802.11ax-HE20 Out-of-Band Emissions – Ant 3	
Channel 11 (2462MHz)	
100kHz PSD Reference Level	High Band Edge
	
Spurious Emission	
	

802.11ax-HE40 Out-of-Band Emissions – Ant 3

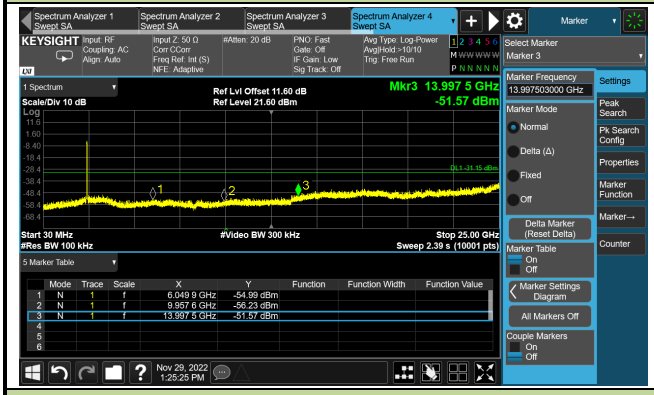
Channel 03 (2422MHz)

100kHz PSD Reference Level

Low Band Edge

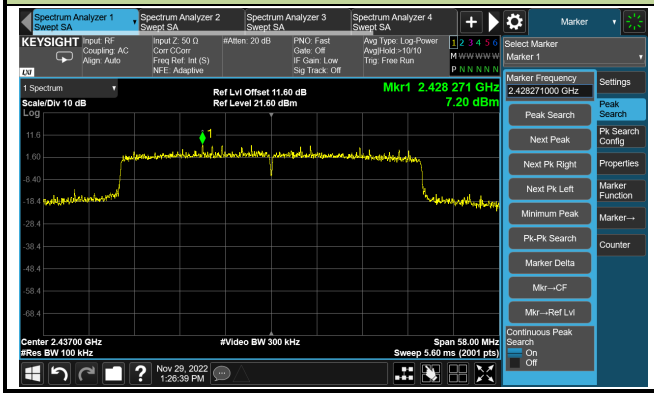


Spurious Emission

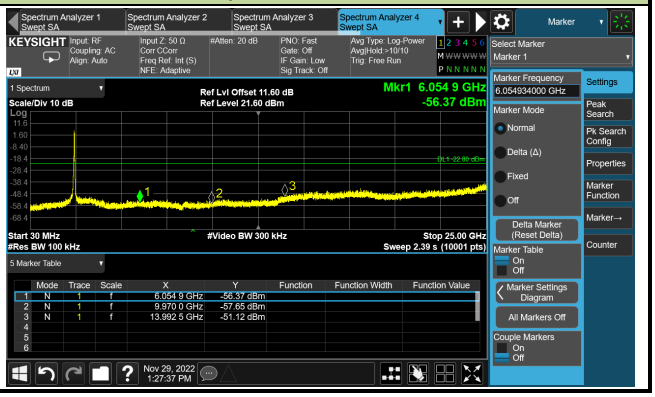


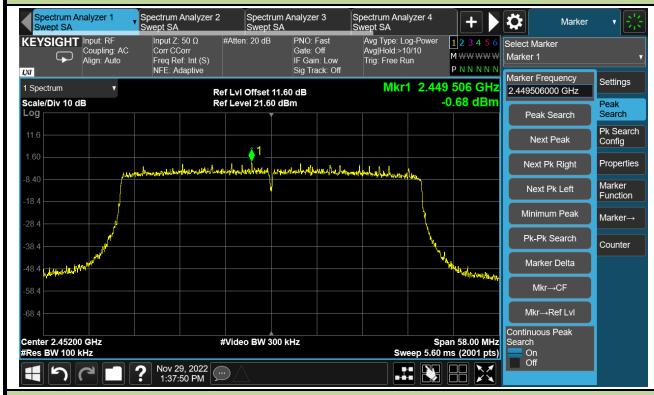
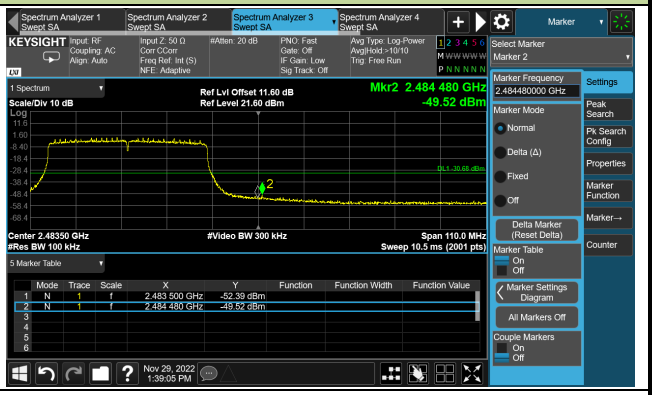
Channel 06 (2437MHz)

100kHz PSD Reference Level



Spurious Emission



802.11ax-HE40 Out-of-Band Emissions – Ant 3	
Channel 09 (2452MHz)	
100kHz PSD Reference Level	High Band Edge
	
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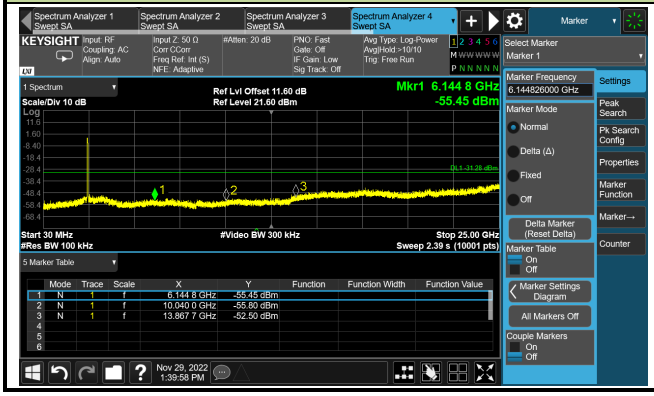
	

A.6 Radiated Spurious Emission Test Result

Test Site	WZ-AC1	Test Engineer	Charles Zhang
Test Date	2022-11-21 ~2022-11-22	Test Mode:	802.11b - Antenna 4#
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Test Channel	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
01	7562.000	36.3	8.0	44.3	74.0	-29.7	Peak	Horizontal
	8412.000	35.7	8.6	44.3	74.0	-29.7	Peak	Horizontal
	11591.000	36.6	12.7	49.3	74.0	-24.7	Peak	Horizontal
	8174.000	36.8	8.5	45.3	74.0	-28.7	Peak	Vertical
	9177.000	36.2	11.2	47.4	74.0	-26.6	Peak	Vertical
	11480.500	36.7	13.0	49.7	74.0	-24.3	Peak	Vertical
06	7307.000	44.7	8.0	52.7	74.0	-21.3	Peak	Horizontal
	7307.000	45.3	8.0	53.3	54.0	-0.7	Average	Horizontal
	8318.500	36.9	8.4	45.3	74.0	-28.7	Peak	Horizontal
	11608.000	36.6	12.7	49.3	74.0	-24.7	Peak	Horizontal
	7307.000	42.3	8.0	50.3	74.0	-23.7	Peak	Vertical
	8114.500	37.0	8.8	45.8	74.0	-28.2	Peak	Vertical
	11497.500	36.3	13.3	49.6	74.0	-24.4	Peak	Vertical
11	7383.500	43.5	8.3	51.8	74.0	-22.2	Peak	Horizontal
	7383.500	44.4	8.3	52.7	54.0	-1.3	Average	Horizontal
	9151.500	35.2	11.1	46.3	74.0	-27.7	Peak	Horizontal
	11616.500	35.8	12.6	48.4	74.0	-25.6	Peak	Horizontal
	7383.500	40.3	8.3	48.6	74.0	-25.4	Peak	Vertical
	8123.000	37.2	8.7	45.9	74.0	-28.1	Peak	Vertical
	11489.000	35.5	13.2	48.7	74.0	-25.3	Peak	Vertical
Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m) Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)								

Test Site	WZ-AC1	Test Engineer	Charles Zhang
Test Date	2022-11-21 ~2022-11-22	Test Mode:	802.11g - Antenna 4#
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Test Channel	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
01	7477.000	35.6	8.3	43.9	74.0	-30.1	Peak	Horizontal
	8165.500	34.6	8.6	43.2	74.0	-30.8	Peak	Horizontal
	11489.000	35.4	13.2	48.6	74.0	-25.4	Peak	Horizontal
	7494.000	36.2	8.3	44.5	74.0	-29.5	Peak	Vertical
	8106.000	35.7	9.0	44.7	74.0	-29.3	Peak	Vertical
	11472.000	35.9	13.0	48.9	74.0	-25.1	Peak	Vertical
06	7324.000	54.2	7.9	62.1	74.0	-11.9	Peak	Horizontal
	7324.000	44.8	7.9	52.7	54.0	-1.3	Average	Horizontal
	10877.000	35.4	13.4	48.8	74.0	-25.2	Peak	Horizontal
	12194.500	36.9	12.0	48.9	74.0	-25.1	Peak	Horizontal
	7315.500	47.9	7.9	55.8	74.0	-18.2	Peak	Vertical
	7315.500	40.5	7.9	48.4	54.0	-5.6	Average	Vertical
	8310.000	35.6	8.4	44.0	74.0	-30.0	Peak	Vertical
	11591.000	36.0	12.7	48.7	74.0	-25.3	Peak	Vertical
11	7375.000	40.5	8.3	48.8	74.0	-25.2	Peak	Horizontal
	9126.000	35.0	11.2	46.2	74.0	-27.8	Peak	Horizontal
	10936.500	35.5	13.6	49.1	74.0	-24.9	Peak	Horizontal
	7443.000	37.3	8.2	45.5	74.0	-28.5	Peak	Vertical
	9066.500	35.7	10.7	46.4	74.0	-27.6	Peak	Vertical
	10987.500	35.6	13.6	49.2	74.0	-24.8	Peak	Vertical

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

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

Test Site	WZ-AC1	Test Engineer	Charles Zhang
Test Date	2022-11-21 ~2022-11-22	Test Mode:	802.11n-HT20 - Antenna 4#
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Test Channel	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
01	7494.000	36.7	8.3	45.0	74.0	-29.0	Peak	Horizontal
	8089.000	36.7	8.9	45.6	74.0	-28.4	Peak	Horizontal
	11514.500	35.8	13.0	48.8	74.0	-25.2	Peak	Horizontal
	7536.500	35.8	8.2	44.0	74.0	-30.0	Peak	Vertical
	8310.000	33.9	8.4	42.3	74.0	-31.7	Peak	Vertical
	11591.000	35.9	12.7	48.6	74.0	-25.4	Peak	Vertical
06	7307.000	54.1	8.0	62.1	74.0	-11.9	Peak	Horizontal
	7307.000	45.8	8.0	53.8	54.0	-0.2	Average	Horizontal
	9143.000	35.0	11.1	46.1	74.0	-27.9	Peak	Horizontal
	11625.000	35.9	12.5	48.4	74.0	-25.6	Peak	Horizontal
	7307.000	47.2	8.0	55.2	74.0	-18.8	Peak	Vertical
	7307.000	39.9	8.0	47.9	54.0	-6.1	Average	Vertical
	9160.000	35.3	11.2	46.5	74.0	-27.5	Peak	Vertical
	10962.000	34.8	13.5	48.3	74.0	-25.7	Peak	Vertical
11	7383.500	38.2	8.3	46.5	74.0	-27.5	Peak	Horizontal
	8140.000	36.0	8.7	44.7	74.0	-29.3	Peak	Horizontal
	11497.500	35.4	13.3	48.7	74.0	-25.3	Peak	Horizontal
	8148.500	35.8	8.7	44.5	74.0	-29.5	Peak	Vertical
	9185.500	35.2	11.1	46.3	74.0	-27.7	Peak	Vertical
	11489.000	35.2	13.2	48.4	74.0	-25.6	Peak	Vertical

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

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

Test Site	WZ-AC1	Test Engineer	Charles Zhang
Test Date	2022-11-21 ~2022-11-22	Test Mode:	802.11n-HT40 - Antenna 4#
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Test Channel	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
03	7621.500	37.3	7.9	45.2	74.0	-28.8	Peak	Horizontal
	10860.000	35.8	13.4	49.2	74.0	-24.8	Peak	Horizontal
	11540.000	36.1	12.9	49.0	74.0	-25.0	Peak	Horizontal
	7451.500	36.3	8.2	44.5	74.0	-29.5	Peak	Vertical
	8106.000	36.6	9.0	45.6	74.0	-28.4	Peak	Vertical
	11608.000	36.0	12.7	48.7	74.0	-25.3	Peak	Vertical
06	7307.000	52.2	8.0	60.2	74.0	-13.8	Peak	Horizontal
	7307.000	44.7	8.0	52.7	54.0	-1.3	Average	Horizontal
	8148.500	37.1	8.7	45.8	74.0	-28.2	Peak	Horizontal
	11591.000	36.3	12.7	49.0	74.0	-25.0	Peak	Horizontal
	7307.000	46.7	8.0	54.7	74.0	-19.3	Peak	Vertical
	7307.000	38.6	8.0	46.6	54.0	-7.4	Average	Vertical
	9049.500	35.4	10.4	45.8	74.0	-28.2	Peak	Vertical
	11625.000	36.4	12.5	48.9	74.0	-25.1	Peak	Vertical
09	8233.500	36.4	8.5	44.9	74.0	-29.1	Peak	Horizontal
	11004.500	35.1	13.5	48.6	74.0	-25.4	Peak	Horizontal
	12118.000	35.7	12.2	47.9	74.0	-26.1	Peak	Horizontal
	7400.500	36.0	8.2	44.2	74.0	-29.8	Peak	Vertical
	8123.000	36.5	8.7	45.2	74.0	-28.8	Peak	Vertical
	11531.500	35.7	12.8	48.5	74.0	-25.5	Peak	Vertical

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

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

Test Site	WZ-AC1	Test Engineer	Charles Zhang
Test Date	2022-11-21 ~2022-11-22	Test Mode:	802.11ax-HE20 - Antenna 4#
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Test Channel	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
01	8114.500	35.9	8.8	44.7	74.0	-29.3	Peak	Horizontal
	11038.500	35.0	13.6	48.6	74.0	-25.4	Peak	Horizontal
	12118.000	37.2	12.2	49.4	74.0	-24.6	Peak	Horizontal
	7553.500	36.4	8.1	44.5	74.0	-29.5	Peak	Vertical
	8089.000	35.9	8.9	44.8	74.0	-29.2	Peak	Vertical
	10885.500	35.9	13.4	49.3	74.0	-24.7	Peak	Vertical
06	7307.000	51.9	8.0	59.9	74.0	-14.1	Peak	Horizontal
	7307.000	45.6	8.0	53.6	54.0	-0.4	Average	Horizontal
	8216.500	35.7	8.6	44.3	74.0	-29.7	Peak	Horizontal
	11591.000	35.8	12.7	48.5	74.0	-25.5	Peak	Horizontal
	7307.000	46.3	8.0	54.3	74.0	-19.7	Peak	Vertical
	7307.000	41.2	8.0	49.2	54.0	-4.8	Average	Vertical
	8242.000	35.4	8.5	43.9	74.0	-30.1	Peak	Vertical
	10987.500	34.6	13.6	48.2	74.0	-25.8	Peak	Vertical
11	7383.500	37.9	8.3	46.2	74.0	-27.8	Peak	Horizontal
	9100.500	35.7	10.6	46.3	74.0	-27.7	Peak	Horizontal
	11582.500	35.7	12.6	48.3	74.0	-25.7	Peak	Horizontal
	9143.000	35.3	11.1	46.4	74.0	-27.6	Peak	Vertical
	11625.000	35.8	12.5	48.3	74.0	-25.7	Peak	Vertical
	12356.000	36.3	12.1	48.4	74.0	-25.6	Peak	Vertical

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

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

Test Site	WZ-AC1	Test Engineer	Charles Zhang
Test Date	2022-11-21 ~2022-11-22	Test Mode:	802.11ax-HE40 - Antenna 4#
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Test Channel	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
03	7460.000	36.1	8.2	44.3	74.0	-29.7	Peak	Horizontal
	8327.000	34.9	8.3	43.2	74.0	-30.8	Peak	Horizontal
	11004.500	35.5	13.5	49.0	74.0	-25.0	Peak	Horizontal
	7315.500	37.1	7.9	45.0	74.0	-29.0	Peak	Vertical
	8165.500	35.5	8.6	44.1	74.0	-29.9	Peak	Vertical
	11591.000	36.6	12.7	49.3	74.0	-24.7	Peak	Vertical
06	7307.000	54.7	8.0	62.7	74.0	-11.3	Peak	Horizontal
	7307.000	45.2	8.0	53.2	54.0	-0.8	Average	Horizontal
	8140.000	36.5	8.7	45.2	74.0	-28.8	Peak	Horizontal
	10928.000	35.1	13.5	48.6	74.0	-25.4	Peak	Horizontal
	7307.000	46.2	8.0	54.2	74.0	-19.8	Peak	Vertical
	7307.000	41.0	8.0	49.0	54.0	-5.0	Average	Vertical
	9126.000	34.9	11.2	46.1	74.0	-27.9	Peak	Vertical
	11098.000	35.3	13.3	48.6	74.0	-25.4	Peak	Vertical
09	7332.500	39.3	7.9	47.2	74.0	-26.8	Peak	Horizontal
	8318.500	36.6	8.4	45.0	74.0	-29.0	Peak	Horizontal
	11599.500	35.6	12.8	48.4	74.0	-25.6	Peak	Horizontal
	7528.000	36.4	8.1	44.5	74.0	-29.5	Peak	Vertical
	9075.000	35.2	10.7	45.9	74.0	-28.1	Peak	Vertical
	10953.500	35.2	13.5	48.7	74.0	-25.3	Peak	Vertical

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

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

Test Site	WZ-AC1	Test Engineer	Charles Zhang
Test Date	2022-12-05	Test Mode:	802.11n-HT20 - Antenna 1#
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Test Channel	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
06	4867.500	42.2	2.7	44.9	74.0	-29.1	Peak	Horizontal
	7315.500	46.4	7.9	54.3	74.0	-19.7	Peak	Horizontal
	7315.500	36.8	7.9	44.7	54.0	-9.3	Average	Horizontal
	10860.000	36.5	13.4	49.9	74.0	-24.1	Peak	Horizontal
	4867.500	40.9	2.7	43.6	74.0	-30.4	Peak	Vertical
	7307.000	52.6	8.0	60.6	74.0	-13.4	Peak	Vertical
	7307.000	42.3	8.0	50.3	54.0	-3.7	Average	Vertical
	11098.000	35.6	13.3	48.9	74.0	-25.1	Peak	Vertical
Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m) Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)								

Test Site	WZ-AC1	Test Engineer	Charles Zhang
Test Date	2022-12-05	Test Mode:	802.11n-HT20 - Antenna 2#
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Test Channel	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
06	4876.000	41.4	2.8	44.2	74.0	-29.8	Peak	Horizontal
	7307.000	52.5	8.0	60.5	74.0	-13.5	Peak	Horizontal
	7307.000	42.7	8.0	50.7	54.0	-3.3	Average	Horizontal
	11591.000	36.8	12.7	49.5	74.0	-24.5	Peak	Horizontal
	4876.000	41.9	2.8	44.7	74.0	-29.3	Peak	Vertical
	7307.000	56.6	8.0	64.6	74.0	-9.4	Peak	Vertical
	7307.000	45.8	8.0	53.8	54.0	-0.2	Average	Vertical
	11021.500	36.3	13.4	49.7	74.0	-24.3	Peak	Vertical
Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m) Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)								

Test Site	WZ-AC1	Test Engineer	Charles Zhang
Test Date	2022-12-05 ~2022-12-23	Test Mode:	802.11b - Antenna 5#
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Test Channel	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
01	4825.000	38.8	2.8	41.6	74.0	-32.4	Peak	Horizontal
	8208.000	37.1	8.7	45.8	74.0	-28.2	Peak	Horizontal
	11200.000	37.1	12.8	49.9	74.0	-24.1	Peak	Horizontal
	4825.000	45.7	2.8	48.5	74.0	-25.5	Peak	Vertical
	11421.000	37.7	12.9	50.6	74.0	-23.4	Peak	Vertical
	14489.500	37.5	15.2	52.7	74.0	-21.3	Peak	Vertical
	14489.500	34.2	15.2	49.4	54.0	-4.6	Average	Vertical
06	4876.000	39.8	2.8	42.6	74.0	-31.4	Peak	Horizontal
	7307.000	38.1	8.0	46.1	74.0	-27.9	Peak	Horizontal
	10970.500	36.5	13.4	49.9	74.0	-24.1	Peak	Horizontal
	4876.000	44.1	2.8	46.9	74.0	-27.1	Peak	Vertical
	7307.000	43.2	8.0	51.2	74.0	-22.8	Peak	Vertical
	7307.000	42.5	8.0	50.5	54.0	-3.5	Average	Vertical
	11387.000	37.2	13.0	50.2	74.0	-23.8	Peak	Vertical
11	5080.000	37.5	3.5	41.0	74.0	-33.0	Peak	Horizontal
	7383.500	38.5	8.3	46.8	74.0	-27.2	Peak	Horizontal
	11140.500	37.8	12.9	50.7	74.0	-23.3	Peak	Horizontal
	4927.000	42.7	2.9	45.6	74.0	-28.4	Peak	Vertical
	7383.500	41.5	8.3	49.8	74.0	-24.2	Peak	Vertical
	10843.000	36.9	13.5	50.4	74.0	-23.6	Peak	Vertical

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

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

Test Site	WZ-AC1	Test Engineer	Charles Zhang
Test Date	2022-12-05 ~2022-12-23	Test Mode:	802.11g - Antenna 5#
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Test Channel	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
01	5097.000	37.0	3.5	40.5	74.0	-33.5	Peak	Horizontal
	8123.000	38.1	8.7	46.8	74.0	-27.2	Peak	Horizontal
	10953.500	36.3	13.5	49.8	74.0	-24.2	Peak	Horizontal
	3754.000	41.4	-0.1	41.3	74.0	-32.7	Peak	Vertical
	10936.500	36.6	13.6	50.2	74.0	-23.8	Peak	Vertical
	14472.500	35.9	15.2	51.1	74.0	-22.9	Peak	Vertical
	14472.500	34.5	15.2	49.7	54.0	-4.3	Average	Vertical
06	4876.000	37.7	2.8	40.5	74.0	-33.5	Peak	Horizontal
	7315.500	43.7	7.9	51.6	74.0	-22.4	Peak	Horizontal
	7315.500	36.5	7.9	44.4	54.0	-9.6	Average	Horizontal
	11072.500	37.1	13.3	50.4	74.0	-23.6	Peak	Horizontal
	4884.500	43.0	2.9	45.9	74.0	-28.1	Peak	Vertical
	7298.500	49.2	8.1	57.3	74.0	-16.7	Peak	Vertical
	7298.500	44.9	8.1	53.0	54.0	-1.0	Average	Vertical
	11319.000	36.7	12.7	49.4	74.0	-24.6	Peak	Vertical
11	4961.000	36.5	3.1	39.6	74.0	-34.4	Peak	Horizontal
	7375.000	36.2	8.3	44.5	74.0	-29.5	Peak	Horizontal
	11064.000	37.4	13.3	50.7	74.0	-23.3	Peak	Horizontal
	3754.000	41.7	-0.1	41.6	74.0	-32.4	Peak	Vertical
	5114.000	37.7	3.4	41.1	74.0	-32.9	Peak	Vertical
	7477.000	36.9	8.3	45.2	74.0	-28.8	Peak	Vertical

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

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

Test Site	WZ-AC1	Test Engineer	Charles Zhang
Test Date	2022-12-05 ~2022-12-23	Test Mode:	802.11n-HT20 - Antenna 5#
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Test Channel	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
01	3839.000	39.2	0.1	39.3	74.0	-34.7	Peak	Horizontal
	4884.500	37.4	2.9	40.3	74.0	-33.7	Peak	Horizontal
	11021.500	36.3	13.4	49.7	74.0	-24.3	Peak	Horizontal
	3754.000	41.4	-0.1	41.3	74.0	-32.7	Peak	Vertical
	4816.500	37.6	2.8	40.4	74.0	-33.6	Peak	Vertical
	7468.500	37.4	8.2	45.6	74.0	-28.4	Peak	Vertical
06	5020.500	37.0	3.2	40.2	74.0	-33.8	Peak	Horizontal
	7307.000	44.0	8.0	52.0	74.0	-22.0	Peak	Horizontal
	7307.000	36.5	8.0	44.5	54.0	-9.5	Average	Horizontal
	11497.500	36.0	13.3	49.3	74.0	-24.7	Peak	Horizontal
	4876.000	42.6	2.8	45.4	74.0	-28.6	Peak	Vertical
	7307.000	50.6	8.0	58.6	74.0	-15.4	Peak	Vertical
	7307.000	44.1	8.0	52.1	54.0	-1.9	Average	Vertical
	11098.000	35.9	13.3	49.2	74.0	-24.8	Peak	Vertical
11	4893.000	36.7	3.0	39.7	74.0	-34.3	Peak	Horizontal
	7298.500	37.2	8.1	45.3	74.0	-28.7	Peak	Horizontal
	11047.000	35.5	13.7	49.2	74.0	-24.8	Peak	Horizontal
	3754.000	41.6	-0.1	41.5	74.0	-32.5	Peak	Vertical
	7392.000	36.9	8.3	45.2	74.0	-28.8	Peak	Vertical
	14472.500	36.2	15.2	51.4	74.0	-22.6	Peak	Vertical
	14472.500	34.2	15.2	49.4	54.0	-4.6	Average	Vertical

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

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

Test Site	WZ-AC1	Test Engineer	Charles Zhang
Test Date	2022-12-05 ~2022-12-23	Test Mode:	802.11n-HT40 - Antenna 5#
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Test Channel	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
03	5080.000	37.2	3.5	40.7	74.0	-33.3	Peak	Horizontal
	7315.500	37.2	7.9	45.1	74.0	-28.9	Peak	Horizontal
	10953.500	35.8	13.5	49.3	74.0	-24.7	Peak	Horizontal
	3754.000	41.4	-0.1	41.3	74.0	-32.7	Peak	Vertical
	11514.500	36.2	13.0	49.2	74.0	-24.8	Peak	Vertical
	14472.500	36.1	15.2	51.3	74.0	-22.7	Peak	Vertical
	14472.500	34.4	15.2	49.6	54.0	-4.4	Average	Vertical
06	3898.500	38.2	0.3	38.5	74.0	-35.5	Peak	Horizontal
	7698.000	37.4	7.9	45.3	74.0	-28.7	Peak	Horizontal
	10894.000	36.2	13.4	49.6	74.0	-24.4	Peak	Horizontal
	3754.000	40.8	-0.1	40.7	74.0	-33.3	Peak	Vertical
	7324.000	38.7	7.9	46.6	74.0	-27.4	Peak	Vertical
	11548.500	36.5	13.0	49.5	74.0	-24.5	Peak	Vertical
09	4697.500	37.7	2.4	40.1	74.0	-33.9	Peak	Horizontal
	7468.500	36.7	8.2	44.9	74.0	-29.1	Peak	Horizontal
	11089.500	36.0	13.3	49.3	74.0	-24.7	Peak	Horizontal
	3754.000	40.9	-0.1	40.8	74.0	-33.2	Peak	Vertical
	7443.000	36.2	8.2	44.4	74.0	-29.6	Peak	Vertical
	11021.500	35.8	13.4	49.2	74.0	-24.8	Peak	Vertical
Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m) Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)								

Test Site	WZ-AC1	Test Engineer	Charles Zhang
Test Date	2022-12-05 ~2022-12-23	Test Mode:	802.11ax-HE20 - Antenna 5#
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Test Channel	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
01	4723.000	37.8	2.6	40.4	74.0	-33.6	Peak	Horizontal
	8182.500	36.9	8.5	45.4	74.0	-28.6	Peak	Horizontal
	11395.500	36.5	13.0	49.5	74.0	-24.5	Peak	Horizontal
	7366.500	36.1	8.2	44.3	74.0	-29.7	Peak	Vertical
	10987.500	35.9	13.6	49.5	74.0	-24.5	Peak	Vertical
	14472.500	37.1	15.2	52.3	74.0	-21.7	Peak	Vertical
	14472.500	34.2	15.2	49.4	54.0	-4.6	Average	Vertical
06	4876.000	37.3	2.8	40.1	74.0	-33.9	Peak	Horizontal
	7307.000	42.1	8.0	50.1	74.0	-23.9	Peak	Horizontal
	7307.000	35.1	8.0	43.1	54.0	-10.9	Average	Horizontal
	11055.500	36.2	13.5	49.7	74.0	-24.3	Peak	Horizontal
	4867.500	42.4	2.7	45.1	74.0	-28.9	Peak	Vertical
	7307.000	47.8	8.0	55.8	74.0	-18.2	Peak	Vertical
	7307.000	42.5	8.0	50.5	54.0	-3.5	Average	Vertical
	11055.500	35.7	13.5	49.2	74.0	-24.8	Peak	Vertical
11	5071.500	35.8	3.5	39.3	74.0	-34.7	Peak	Horizontal
	7553.500	36.4	8.1	44.5	74.0	-29.5	Peak	Horizontal
	11174.500	36.3	12.8	49.1	74.0	-24.9	Peak	Horizontal
	7264.500	36.2	8.0	44.2	74.0	-29.8	Peak	Vertical
	11455.000	36.7	13.0	49.7	74.0	-24.3	Peak	Vertical
	14472.500	35.9	15.2	51.1	74.0	-22.9	Peak	Vertical
	14472.500	34.3	15.2	49.5	54.0	-4.5	Average	Vertical

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

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

Test Site	WZ-AC1	Test Engineer	Charles Zhang
Test Date	2022-12-05 ~2022-12-23	Test Mode:	802.11ax-HE40 - Antenna 5#
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

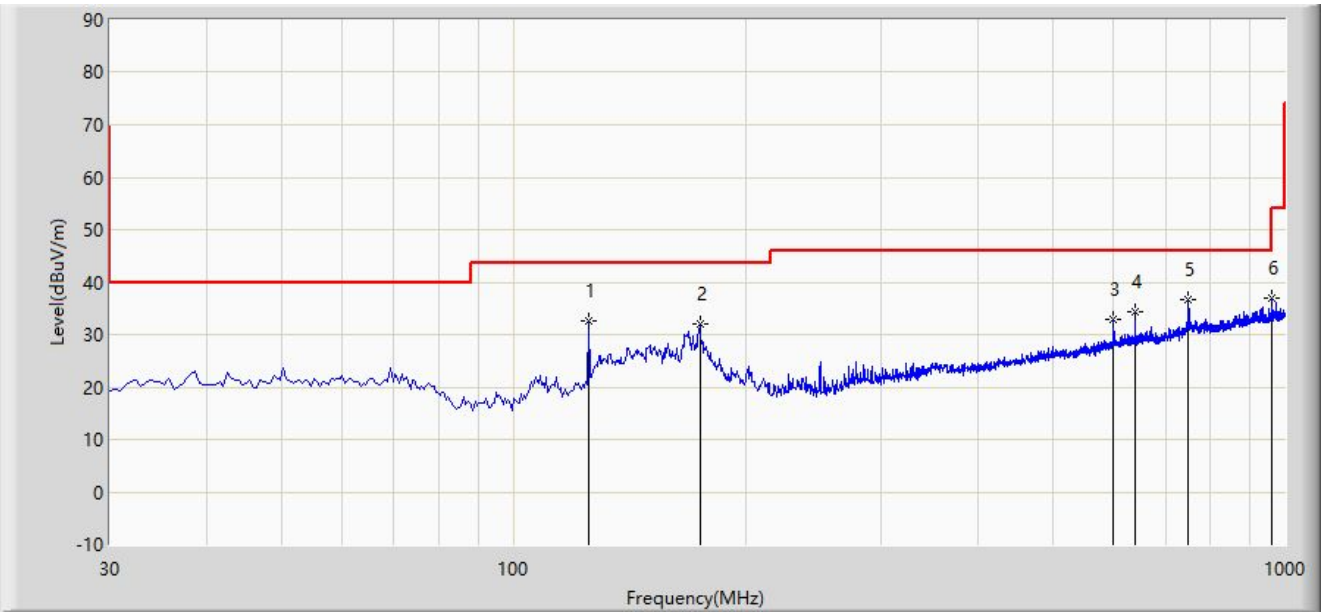
Test Channel	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
03	5029.000	37.2	3.3	40.5	74.0	-33.5	Peak	Horizontal
	7562.000	36.3	8.0	44.3	74.0	-29.7	Peak	Horizontal
	11497.500	35.9	13.3	49.2	74.0	-24.8	Peak	Horizontal
	4884.500	36.7	2.9	39.6	74.0	-34.4	Peak	Vertical
	8157.000	36.4	8.7	45.1	74.0	-28.9	Peak	Vertical
	11489.000	35.7	13.2	48.9	74.0	-25.1	Peak	Vertical
06	5037.500	36.1	3.4	39.5	74.0	-34.5	Peak	Horizontal
	7502.500	36.1	8.2	44.3	74.0	-29.7	Peak	Horizontal
	11234.000	36.8	12.6	49.4	74.0	-24.6	Peak	Horizontal
	5097.000	36.6	3.5	40.1	74.0	-33.9	Peak	Vertical
	7307.000	38.2	8.0	46.2	74.0	-27.8	Peak	Vertical
	10945.000	36.9	13.6	50.5	74.0	-23.5	Peak	Vertical
09	5071.500	36.5	3.5	40.0	74.0	-34.0	Peak	Horizontal
	8403.500	36.2	8.6	44.8	74.0	-29.2	Peak	Horizontal
	11531.500	36.2	12.8	49.0	74.0	-25.0	Peak	Horizontal
	4986.500	36.8	3.3	40.1	74.0	-33.9	Peak	Vertical
	7672.500	36.8	7.8	44.6	74.0	-29.4	Peak	Vertical
	10953.500	36.4	13.5	49.9	74.0	-24.1	Peak	Vertical

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

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

The Result of Radiated Emission below 1GHz:

Site: WZ-AC1	Test Date: 2022-12-02
Limit: FCC_Part15.209_RSE(3m)	Engineer: Carl Jiang
Probe: VULB 9168_25-2000MHz	Polarity: Horizontal
EUT: WiFi 6 (802.11ax) 4×4 MU-MIMO Dual Band Module	Power: Powered by Test Jig
Test Mode: Transmit by 802.11b at 2412MHz	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1			125.060	32.743	16.500	-10.757	43.500	16.243	PK
2			174.530	32.018	14.704	-11.482	43.500	17.314	PK
3			599.875	32.991	7.532	-13.009	46.000	25.459	PK
4			640.130	34.483	8.401	-11.517	46.000	26.082	PK
5			749.740	36.681	8.492	-9.319	46.000	28.189	PK
6		*	959.745	36.832	7.058	-9.168	46.000	29.774	PK

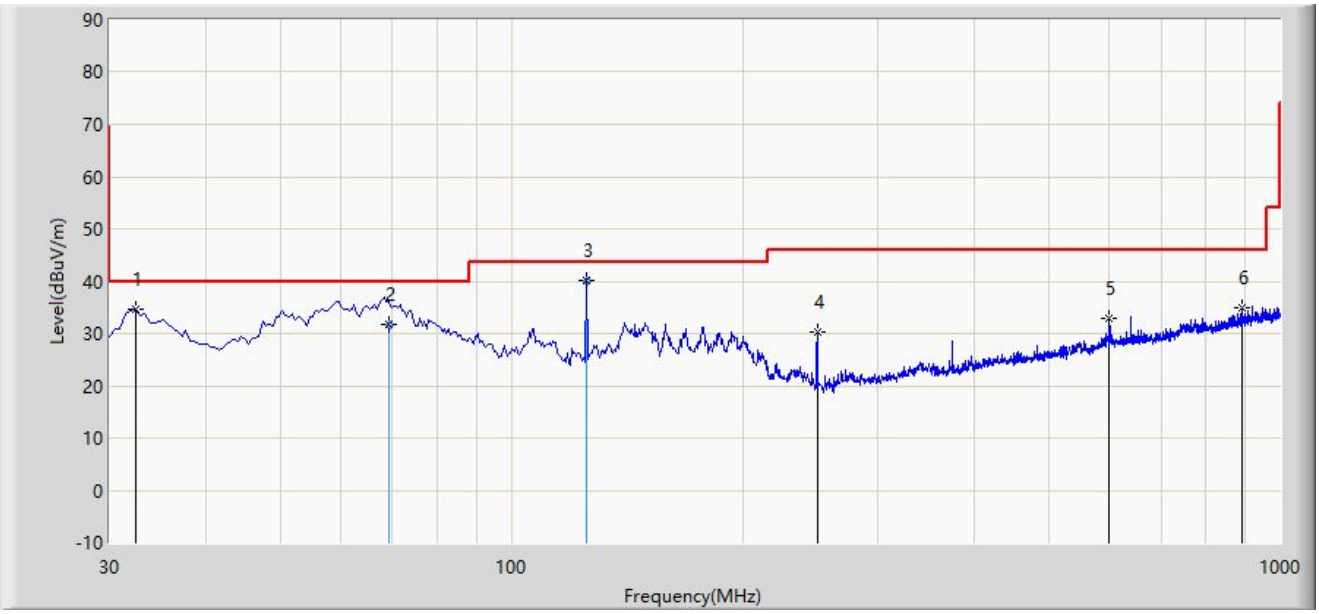
Note 1: " * ", means this data is the worst emission level.

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

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

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

Site: WZ-AC1	Test Date: 2022-12-02
Limit: FCC_Part15.209_RSE(3m)	Engineer: Carl Jiang
Probe: VULB 9168_25-2000MHz	Polarity: Vertical
EUT: WiFi 6 (802.11ax) 4×4 MU-MIMO Dual Band Module	Power: Powered by Test Jig
Test Mode: Transmit by 802.11b at 2412MHz	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1			32.425	34.499	17.121	-5.501	40.000	17.377	PK
2			69.280	31.787	15.500	-8.213	40.000	16.287	QP
3		*	125.000	40.287	24.050	-3.213	43.500	16.237	QP
4			250.190	30.187	13.502	-15.813	46.000	16.685	PK
5			599.875	32.860	7.401	-13.140	46.000	25.459	PK
6			890.390	34.879	5.676	-11.121	46.000	29.203	PK

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

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

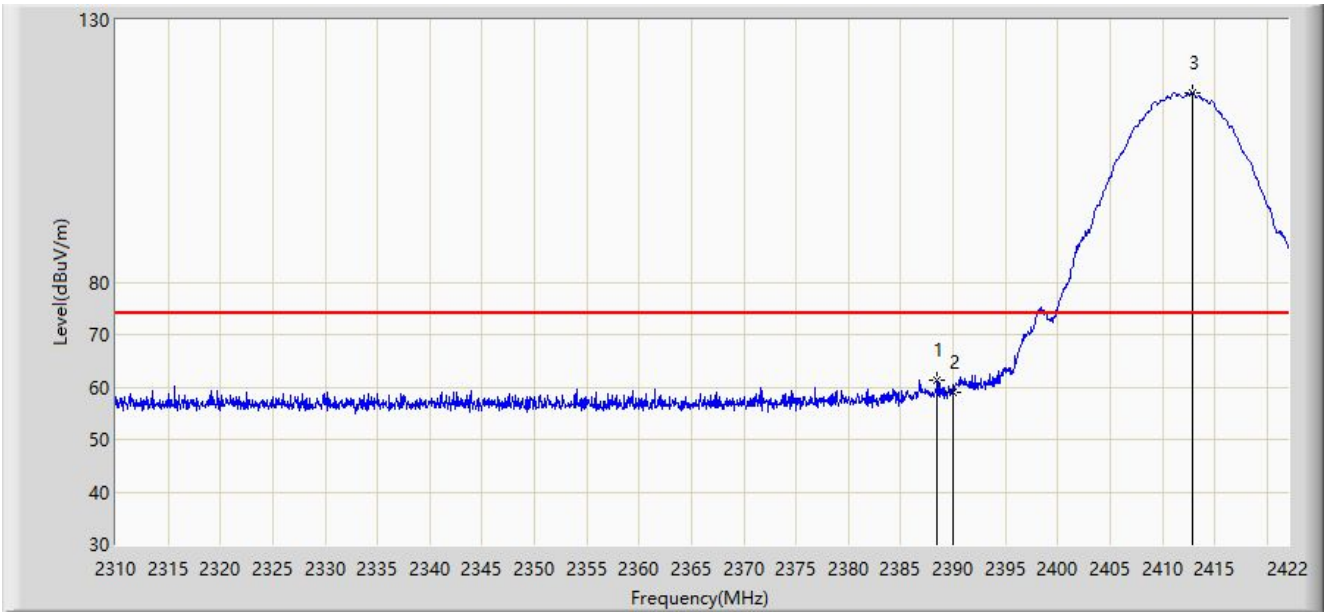
Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

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

A.7 Radiated Restricted Band Edge Test Result

For Antenna 4#

Site: WZ-AC1	Test Date: 2022-11-19
Limit: FCC_2.4G_RE(3m)	Engineer: Carl Jiang
Probe: BBHA9120D_1167_1-18GHz	Polarity: Horizontal
EUT: WiFi 6 (802.11ax) 4×4 MU-MIMO Dual Band Module	Power: Powered by Test Jig
Test Mode: Transmit by 802.11b at 2412MHz	



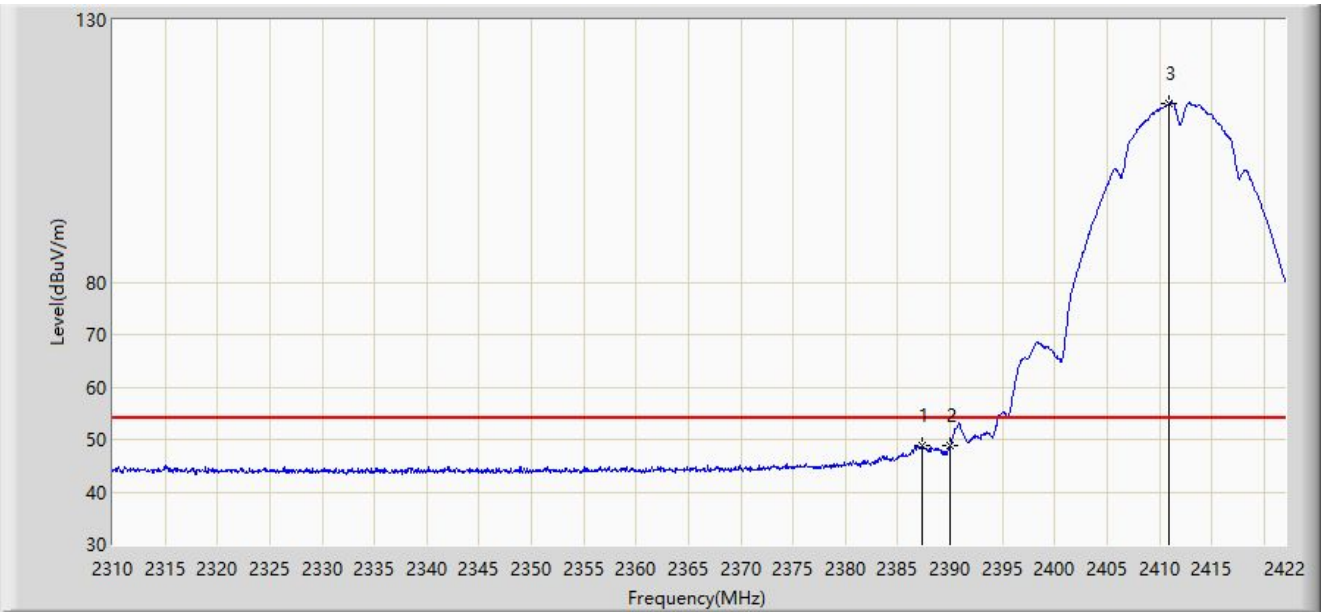
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	2388.456	61.318	30.325	-12.682	74.000	30.993	PK
2		2390.000	58.914	27.922	-15.086	74.000	30.992	PK
3		2412.816	116.207	85.255	N/A	N/A	30.953	PK

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).

Site: WZ-AC1	Test Date: 2022-11-19
Limit: FCC_2.4G_RE(3m)	Engineer: Carl Jiang
Probe: BBHA9120D_1167_1-18GHz	Polarity: Horizontal
EUT: WiFi 6 (802.11ax) 4×4 MU-MIMO Dual Band Module	Power: Powered by Test Jig
Test Mode: Transmit by 802.11b at 2412MHz	



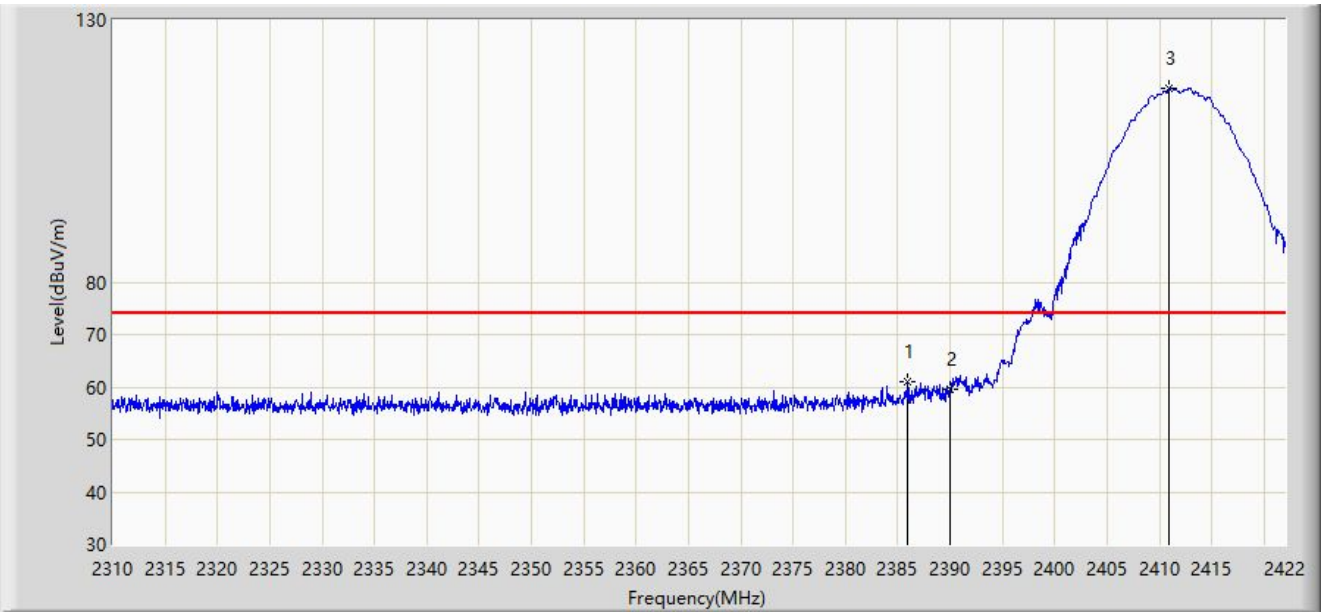
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	2387.280	48.812	17.819	-5.188	54.000	30.993	AV
2		2390.000	48.713	17.721	-5.287	54.000	30.992	AV
3		2410.968	114.008	83.051	N/A	N/A	30.957	AV

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).

Site: WZ-AC1	Test Date: 2022-11-19
Limit: FCC_2.4G_RE(3m)	Engineer: Carl Jiang
Probe: BBHA9120D_1167_1-18GHz	Polarity: Vertical
EUT: WiFi 6 (802.11ax) 4×4 MU-MIMO Dual Band Module	Power: Powered by Test Jig
Test Mode: Transmit by 802.11b at 2412MHz	



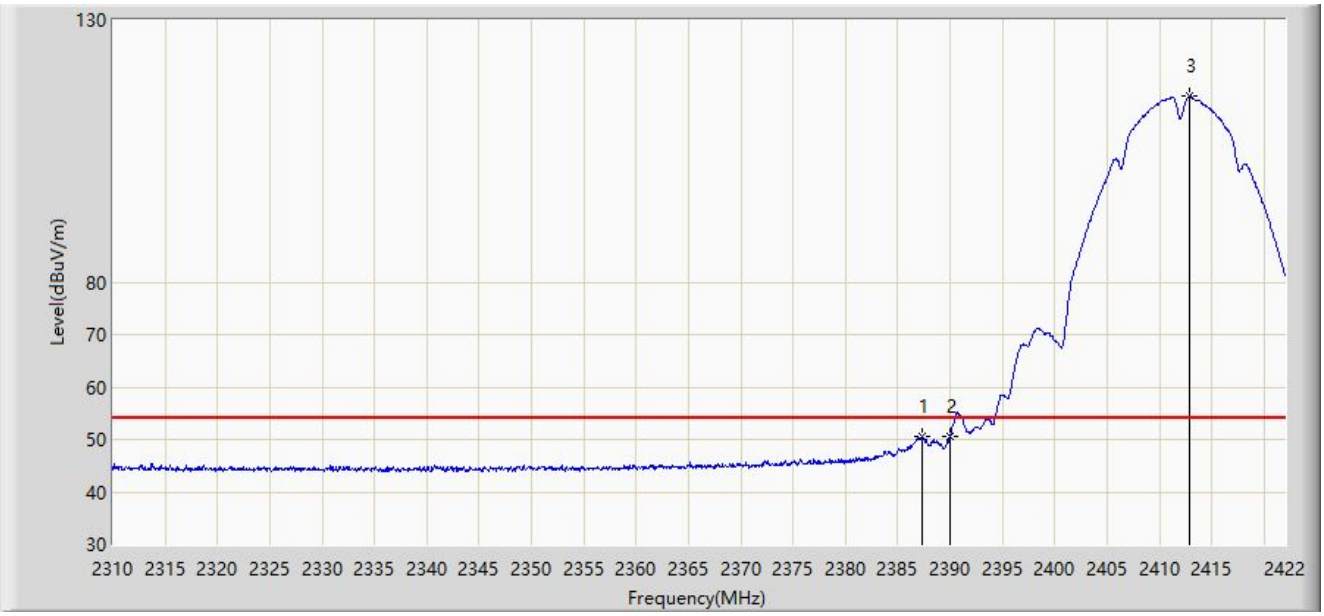
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	2385.992	60.884	29.890	-13.116	74.000	30.994	PK
2		2390.000	59.603	28.611	-14.397	74.000	30.992	PK
3		2410.968	116.860	85.903	N/A	N/A	30.957	PK

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).

Site: WZ-AC1	Test Date: 2022-11-19
Limit: FCC_2.4G_RE(3m)	Engineer: Carl Jiang
Probe: BBHA9120D_1167_1-18GHz	Polarity: Vertical
EUT: WiFi 6 (802.11ax) 4×4 MU-MIMO Dual Band Module	Power: Powered by Test Jig
Test Mode: Transmit by 802.11b at 2412MHz	



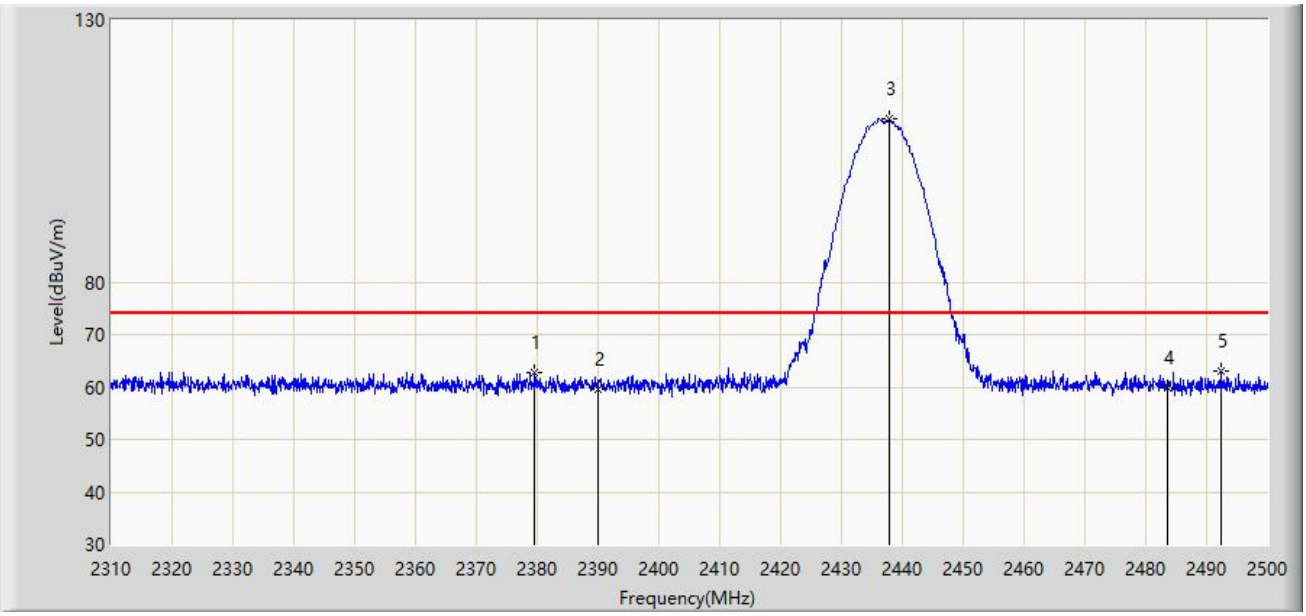
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	2387.336	50.536	19.543	-3.464	54.000	30.993	AV
2		2390.000	50.512	19.520	-3.488	54.000	30.992	AV
3		2412.928	115.391	84.439	N/A	N/A	30.951	AV

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).

Site: WZ-AC1	Test Date: 2022-12-01
Limit: FCC_2.4G_RE(3m)	Engineer: Carl Jiang
Probe: BBHA9120D_1167_1-18GHz	Polarity: Horizontal
EUT: WiFi 6 (802.11ax) 4×4 MU-MIMO Dual Band Module	Power: Powered by Test Jig
Test Mode: Transmit by 802.11b at 2437MHz	



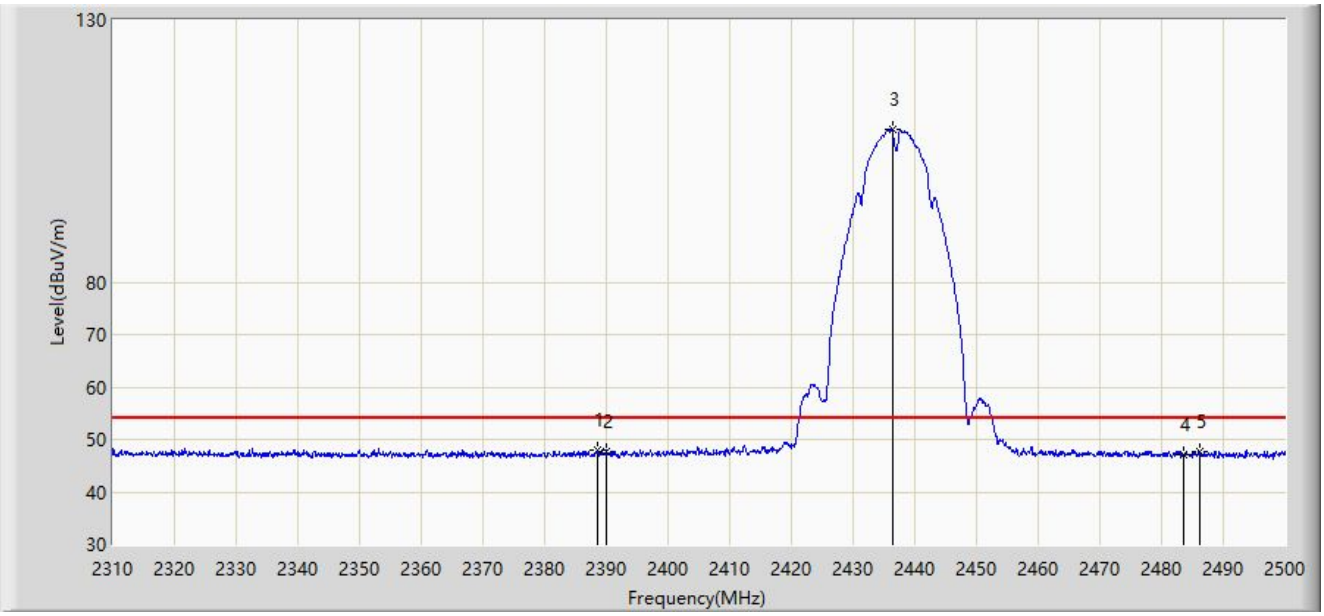
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		2379.540	62.721	31.707	-11.279	74.000	31.014	PK
2		2390.000	59.496	28.504	-14.504	74.000	30.992	PK
3		2437.870	111.122	80.258	N/A	N/A	30.864	PK
4		2483.500	59.898	29.007	-14.102	74.000	30.892	PK
5	*	2492.305	63.016	32.137	-10.984	74.000	30.879	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).

Site: WZ-AC1	Test Date: 2022-12-01
Limit: FCC_2.4G_RE(3m)	Engineer: Carl Jiang
Probe: BBHA9120D_1167_1-18GHz	Polarity: Horizontal
EUT: WiFi 6 (802.11ax) 4×4 MU-MIMO Dual Band Module	Power: Powered by Test Jig
Test Mode: Transmit by 802.11b at 2437MHz	



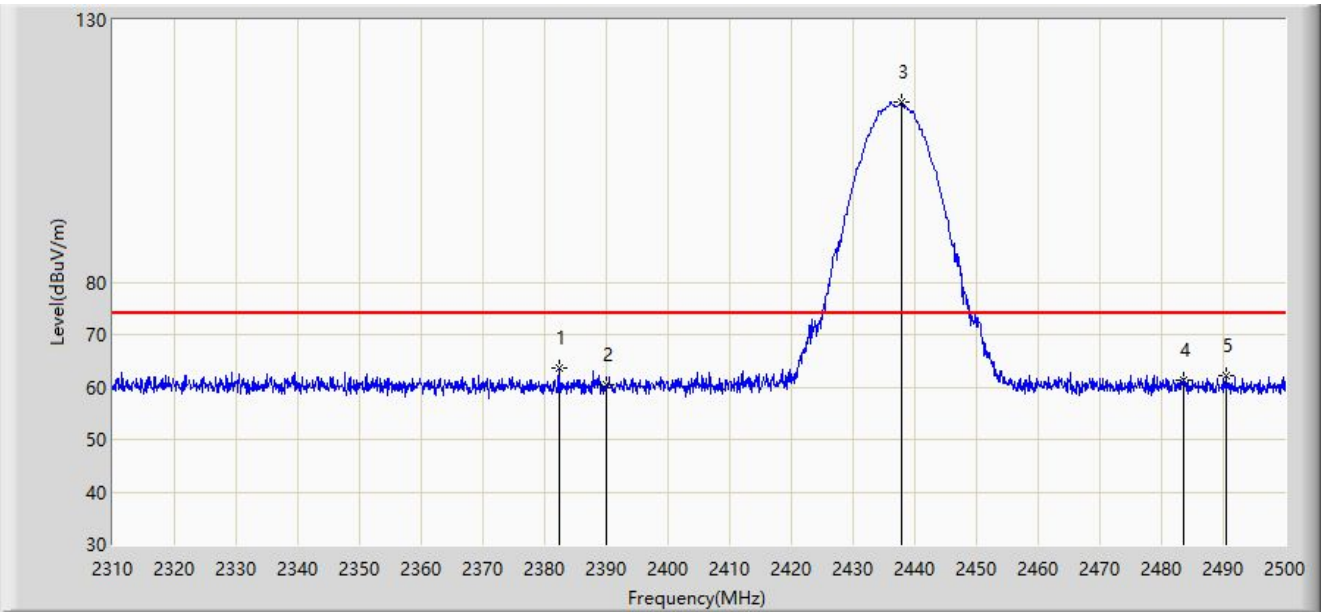
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	2388.660	47.969	16.976	-6.031	54.000	30.993	AV
2		2390.000	47.801	16.809	-6.199	54.000	30.992	AV
3		2436.350	109.119	78.249	N/A	N/A	30.870	AV
4		2483.500	47.166	16.275	-6.834	54.000	30.892	AV
5		2486.225	47.662	16.775	-6.338	54.000	30.887	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).

Site: WZ-AC1	Test Date: 2022-12-01
Limit: FCC_2.4G_RE(3m)	Engineer: Carl Jiang
Probe: BBHA9120D_1167_1-18GHz	Polarity: Vertical
EUT: WiFi 6 (802.11ax) 4×4 MU-MIMO Dual Band Module	Power: Powered by Test Jig
Test Mode: Transmit by 802.11b at 2437MHz	



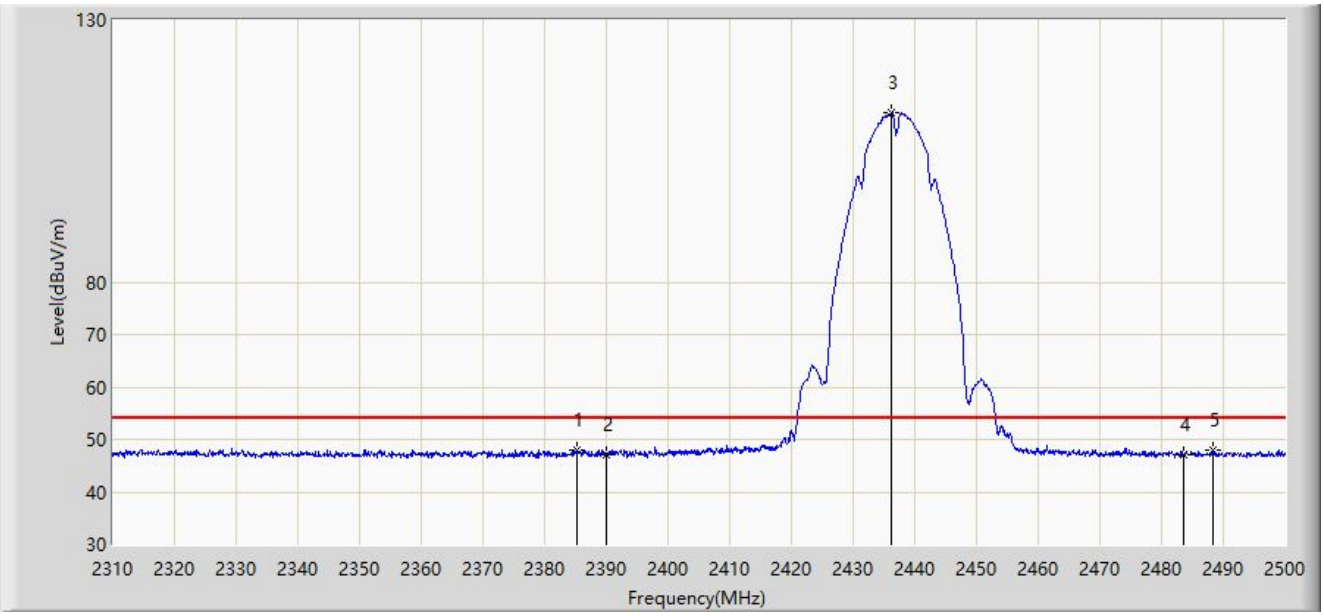
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	2382.295	63.575	32.572	-10.425	74.000	31.002	PK
2		2390.000	60.356	29.364	-13.644	74.000	30.992	PK
3		2437.870	114.298	83.434	N/A	N/A	30.864	PK
4		2483.500	61.275	30.384	-12.725	74.000	30.892	PK
5		2490.595	62.194	31.314	-11.806	74.000	30.879	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).

Site: WZ-AC1	Test Date: 2022-12-01
Limit: FCC_2.4G_RE(3m)	Engineer: Carl Jiang
Probe: BBHA9120D_1167_1-18GHz	Polarity: Vertical
EUT: WiFi 6 (802.11ax) 4×4 MU-MIMO Dual Band Module	Power: Powered by Test Jig
Test Mode: Transmit by 802.11b at 2437MHz	



No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		2385.145	47.968	16.974	-6.032	54.000	30.995	AV
2		2390.000	47.092	16.100	-6.908	54.000	30.992	AV
3		2436.255	112.454	81.584	N/A	N/A	30.870	AV
4		2483.500	47.183	16.292	-6.817	54.000	30.892	AV
5	*	2488.220	48.029	17.145	-5.971	54.000	30.884	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).