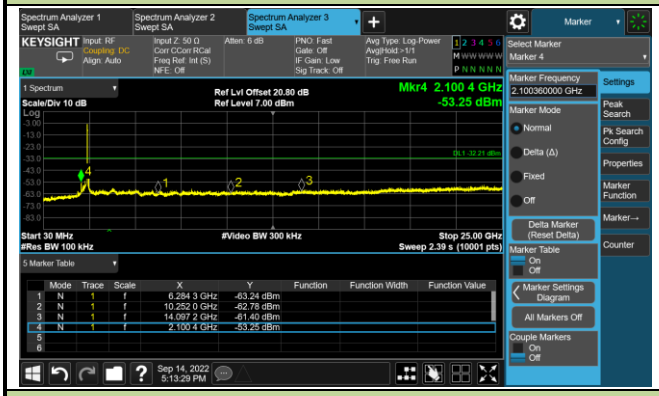
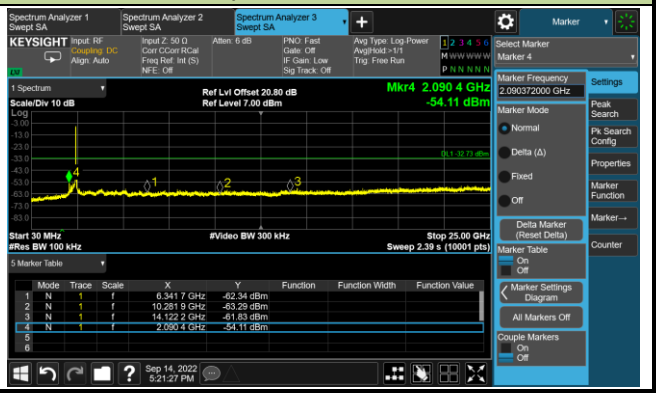
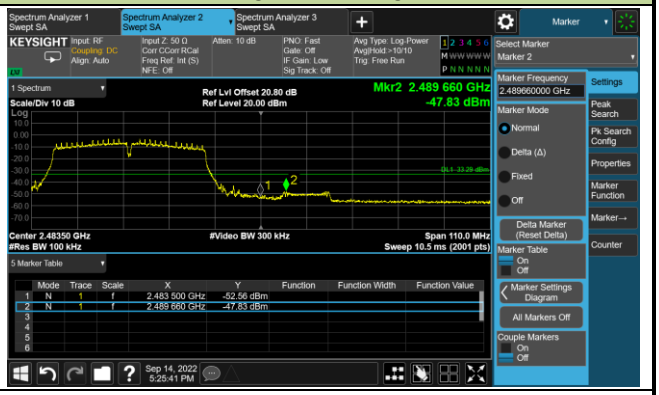
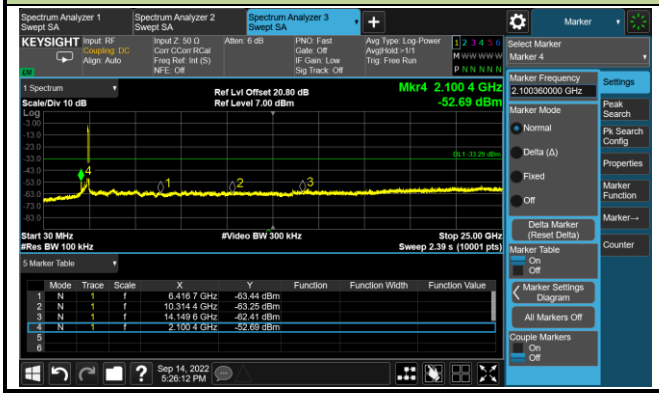
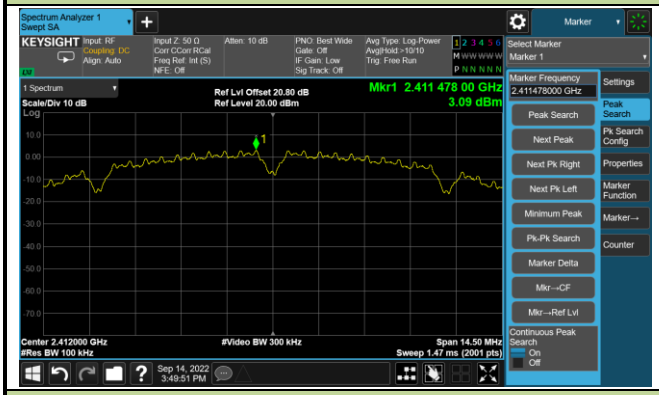
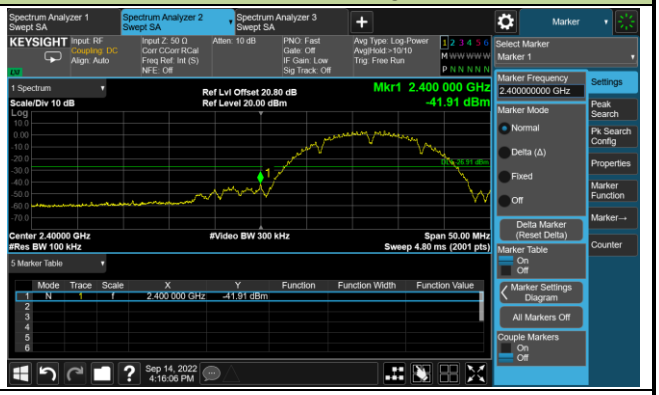
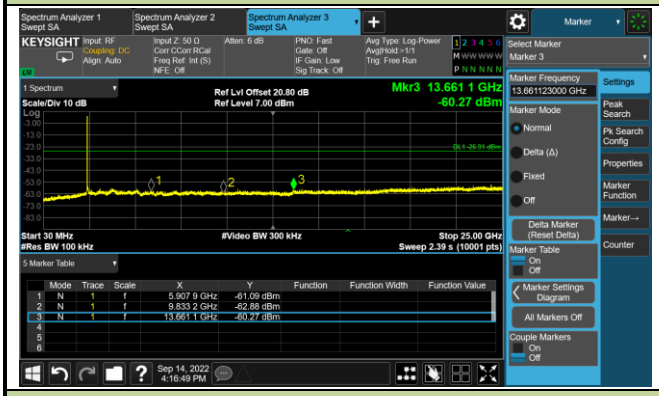
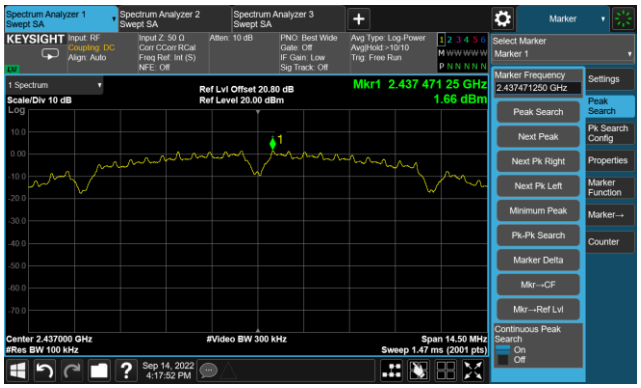
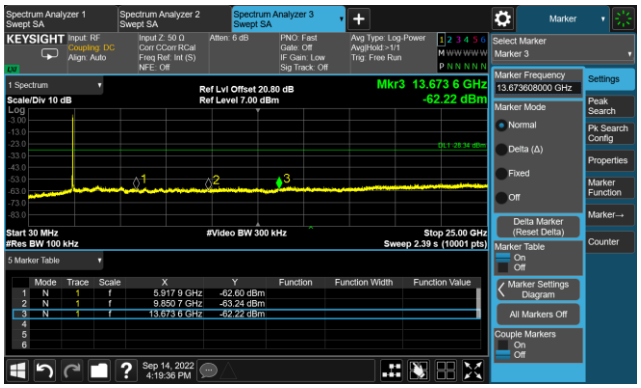
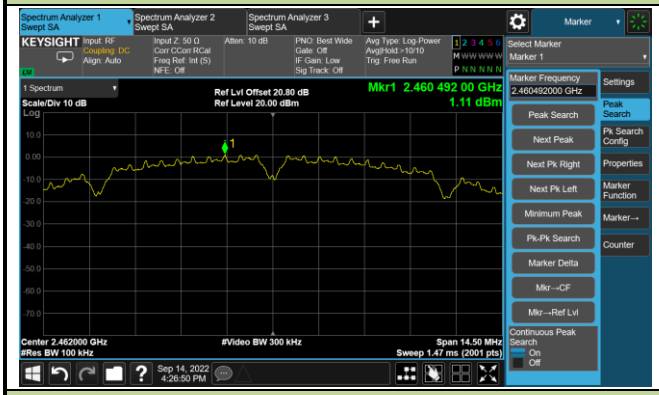
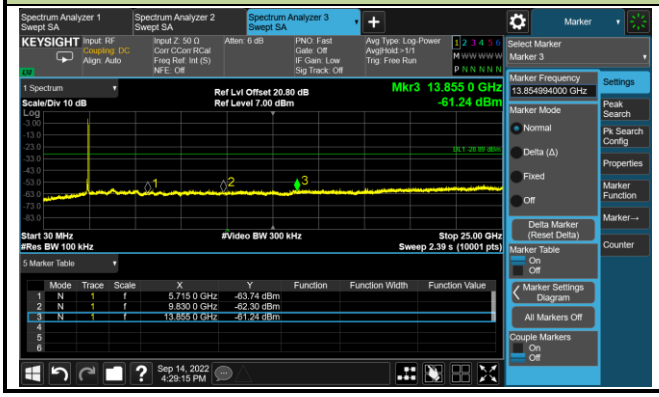
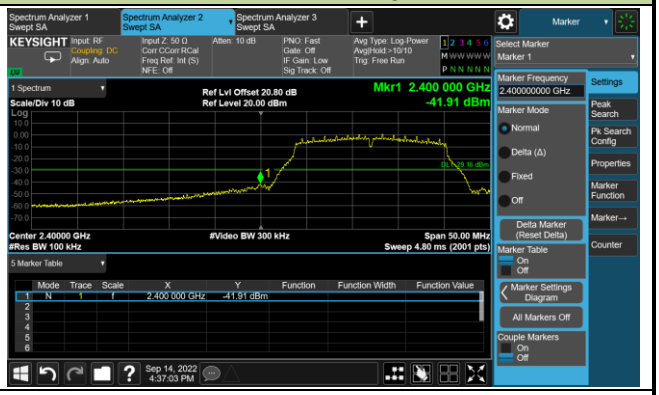
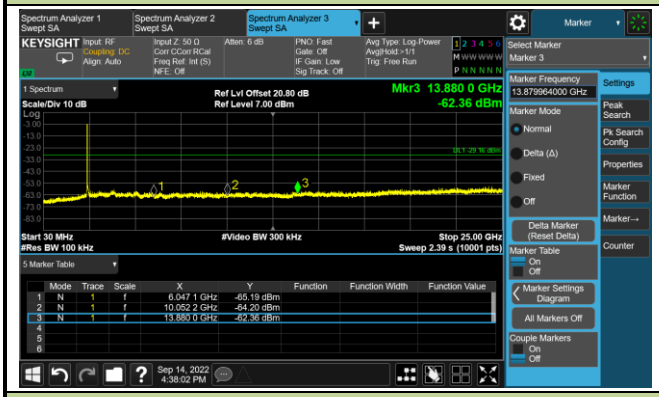
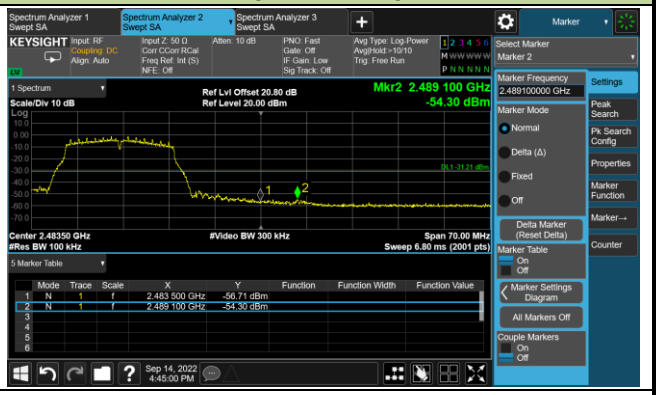
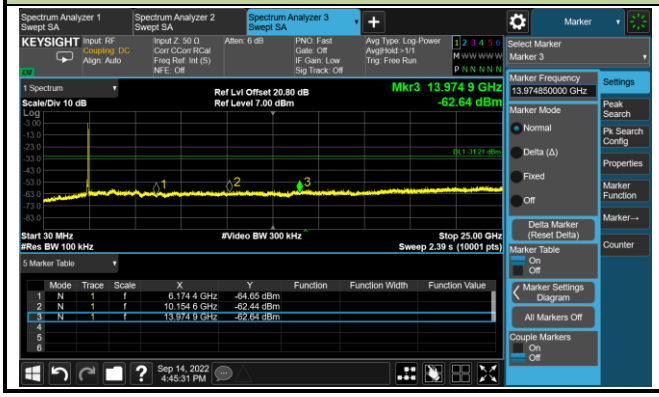
802.11n-HT40 Out-of-Band Emissions - Wi-Fi 1 RF Port	
Channel 03 (2422MHz)	
100kHz PSD Reference Level	Low Band Edge
	
Spurious Emission	
	
Channel 06 (2437MHz)	
100kHz PSD Reference Level	Spurious Emission
	

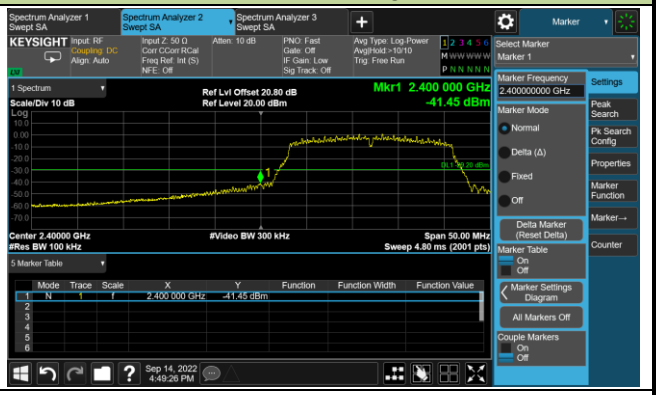
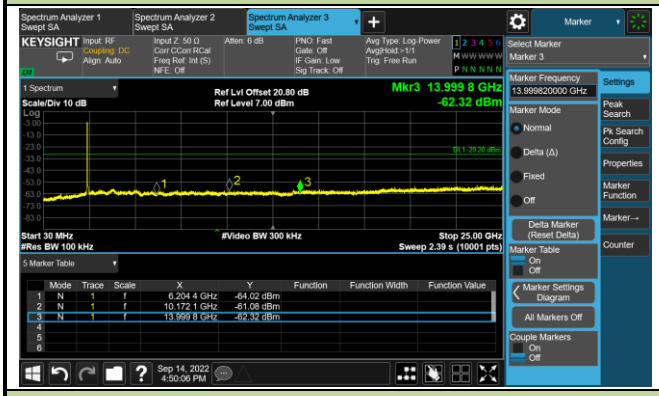
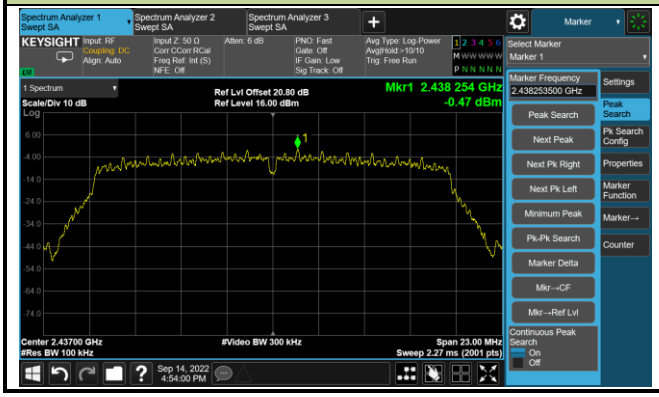
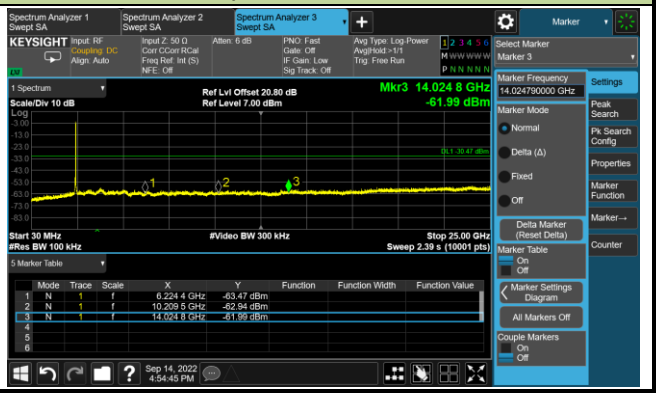
802.11n-HT40 Out-of-Band Emissions - Wi-Fi 1 RF Port	
Channel 09 (2452MHz)	
100kHz PSD Reference Level	High Band Edge
	
Spurious Emission	
	

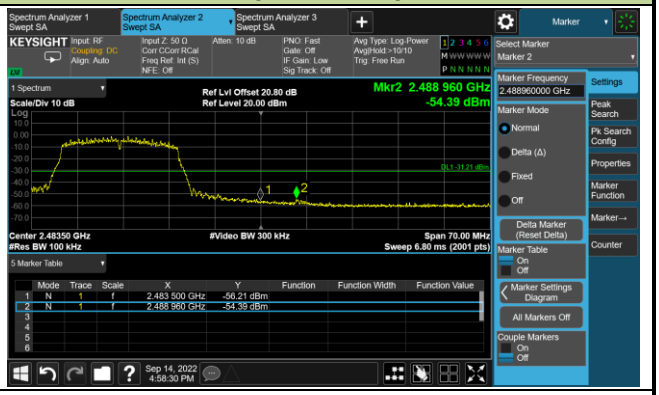
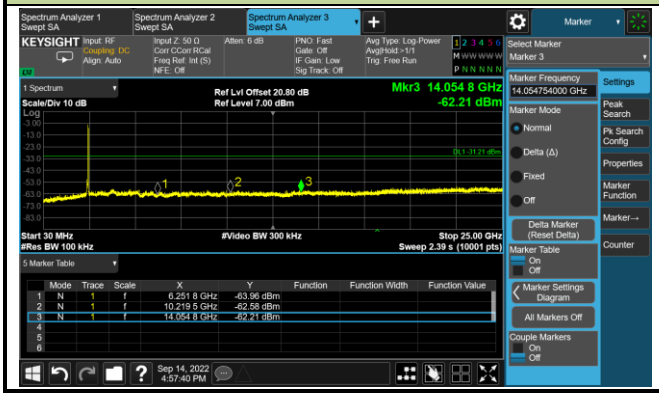
802.11b Out-of-Band Emissions - Wi-Fi 2 RF Port	
Channel 01 (2412MHz)	
100kHz PSD Reference Level	Low Band Edge
	
Spurious Emission	
	
Channel 06 (2437MHz)	
100kHz PSD Reference Level	Spurious Emission
	

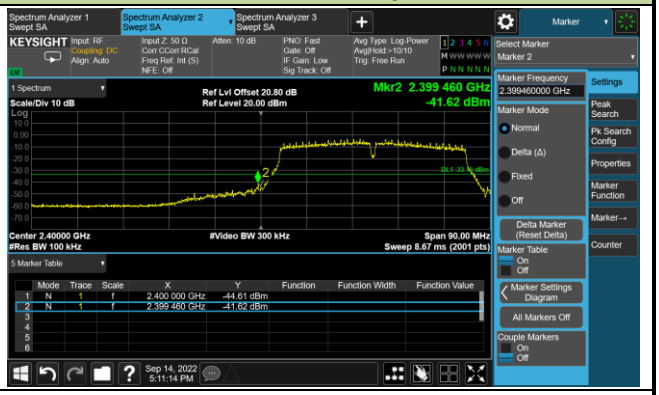
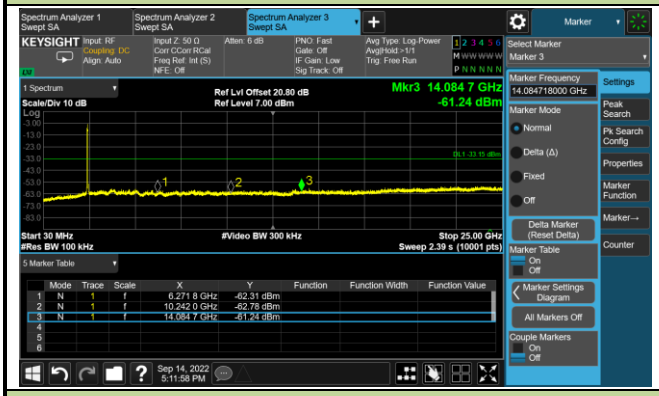
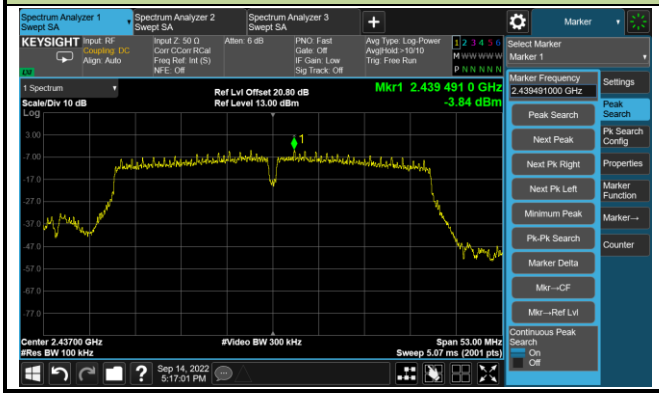
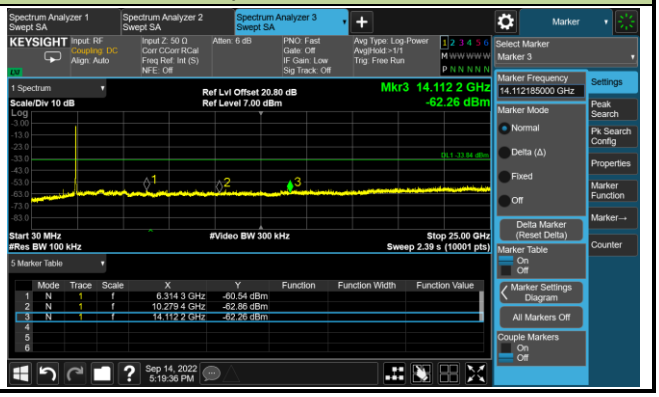
802.11b Out-of-Band Emissions - Wi-Fi 2 RF Port	
Channel 11 (2462MHz)	
100kHz PSD Reference Level	High Band Edge
	
Spurious Emission	
	

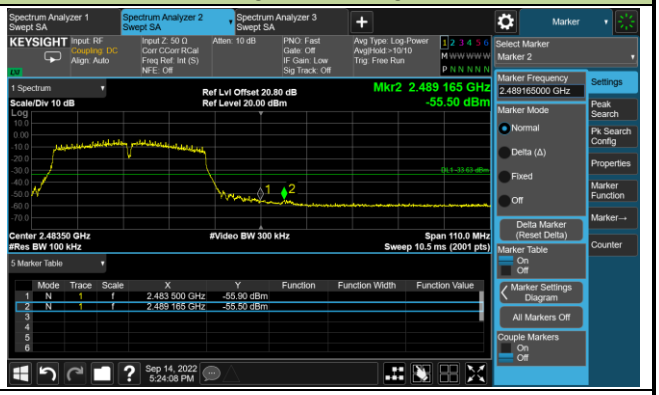
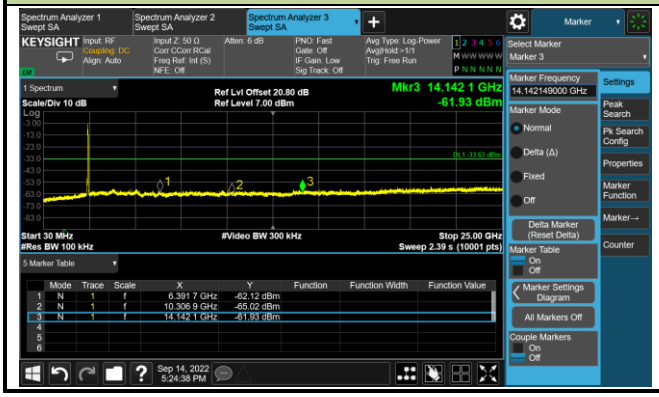
802.11g Out-of-Band Emissions - Wi-Fi 2 RF Port	
Channel 01 (2412MHz)	
100kHz PSD Reference Level	Low Band Edge
	
Spurious Emission	
	
Channel 06 (2437MHz)	
100kHz PSD Reference Level	Spurious Emission
	

802.11g Out-of-Band Emissions - Wi-Fi 2 RF Port	
Channel 11 (2462MHz)	
100kHz PSD Reference Level	High Band Edge
	
Spurious Emission	
	

802.11n-HT20 Out-of-Band Emissions - Wi-Fi 2 RF Port	
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 - Wi-Fi 2 RF Port	
Channel 11 (2462MHz)	
100kHz PSD Reference Level	High Band Edge
	
Spurious Emission	
	

802.11n-HT40 Out-of-Band Emissions - Wi-Fi 2 RF Port	
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 - Wi-Fi 2 RF Port	
Channel 09 (2452MHz)	
100kHz PSD Reference Level	High Band Edge
	
Spurious Emission	
	

A.6 Radiated Spurious Emission Test Result

Antenna 1#:

Test Site	WZ-AC2	Test Engineer	Lucas Wang
Test Date	2022-09-13	Test Mode	802.11b
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	4825.0	49.5	4.0	53.5	74.0	-20.5	Peak	Horizontal
	4825.0	49.7	4.0	53.7	54.0	-0.3	AV	Horizontal
	4986.5	42.2	3.8	46.0	74.0	-28.0	Peak	Horizontal
	11608.0	31.7	17.7	49.4	74.0	-24.6	Peak	Horizontal
	4825.0	40.8	4.0	44.8	74.0	-29.2	Peak	Vertical
	8310.0	30.9	11.4	42.3	74.0	-31.7	Peak	Vertical
	11650.5	31.1	17.9	49.0	74.0	-25.0	Peak	Vertical
06	4876.0	43.8	3.8	47.6	74.0	-26.4	Peak	Horizontal
	4986.5	41.1	3.8	44.9	74.0	-29.1	Peak	Horizontal
	10843.0	32.8	16.9	49.7	74.0	-24.3	Peak	Horizontal
	4298.0	35.8	1.9	37.7	74.0	-36.3	Peak	Vertical
	4927.0	33.7	3.8	37.5	74.0	-36.5	Peak	Vertical
	11200.0	32.2	17.7	49.9	74.0	-24.1	Peak	Vertical
11	4927.0	45.7	3.8	49.5	74.0	-24.5	Peak	Horizontal
	4978.0	42.2	3.7	45.9	74.0	-28.1	Peak	Horizontal
	11336.0	32.2	17.6	49.8	74.0	-24.2	Peak	Horizontal
	4927.0	37.7	3.8	41.5	74.0	-32.5	Peak	Vertical
	8165.5	33.1	11.8	44.9	74.0	-29.1	Peak	Vertical
	11582.5	30.7	17.9	48.6	74.0	-25.4	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-AC2	Test Engineer	Lucas Wang
Test Date	2022-09-13	Test Mode	802.11g
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	4825.0	45.9	4.0	49.9	74.0	-24.1	Peak	Horizontal
	4986.5	41.7	3.8	45.5	74.0	-28.5	Peak	Horizontal
	11387.0	31.4	17.5	48.9	74.0	-25.1	Peak	Horizontal
	4825.0	36.1	4.0	40.1	74.0	-33.9	Peak	Vertical
	8148.5	33.2	12.0	45.2	74.0	-28.8	Peak	Vertical
	11999.0	31.8	17.0	48.8	74.0	-25.2	Peak	Vertical
06	4867.5	39.5	3.8	43.3	74.0	-30.7	Peak	Horizontal
	4978.0	42.3	3.7	46.0	74.0	-28.0	Peak	Horizontal
	10987.5	32.5	17.0	49.5	74.0	-24.5	Peak	Horizontal
	4731.5	35.8	4.5	40.3	74.0	-33.7	Peak	Vertical
	8182.5	33.3	11.7	45.0	74.0	-29.0	Peak	Vertical
	11523.0	31.4	17.6	49.0	74.0	-25.0	Peak	Vertical
11	4986.5	41.6	3.8	45.4	74.0	-28.6	Peak	Horizontal
	7383.5	33.2	11.5	44.7	74.0	-29.3	Peak	Horizontal
	11523.0	31.5	17.6	49.1	74.0	-24.9	Peak	Horizontal
	4638.0	35.7	4.2	39.9	74.0	-34.1	Peak	Vertical
	7732.0	33.1	11.1	44.2	74.0	-29.8	Peak	Vertical
	11667.5	31.3	17.7	49.0	74.0	-25.0	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-AC2	Test Engineer	Lucas Wang
Test Date	2022-09-13	Test Mode	802.11n-HT20
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	4816.5	44.0	4.1	48.1	74.0	-25.9	Peak	Horizontal
	4986.5	41.3	3.8	45.1	74.0	-28.9	Peak	Horizontal
	11200.0	31.9	17.7	49.6	74.0	-24.4	Peak	Horizontal
	4825.0	37.1	4.0	41.1	74.0	-32.9	Peak	Vertical
	7273.0	33.3	11.4	44.7	74.0	-29.3	Peak	Vertical
	10800.5	32.3	16.7	49.0	74.0	-25.0	Peak	Vertical
06	4867.5	38.2	3.8	42.0	74.0	-32.0	Peak	Horizontal
	4978.0	40.6	3.7	44.3	74.0	-29.7	Peak	Horizontal
	7307.0	34.1	11.1	45.2	74.0	-28.8	Peak	Horizontal
	4986.5	36.4	3.8	40.2	74.0	-33.8	Peak	Vertical
	7426.0	32.1	11.9	44.0	74.0	-30.0	Peak	Vertical
	10766.5	33.4	16.4	49.8	74.0	-24.2	Peak	Vertical
11	4927.0	40.5	3.8	44.3	74.0	-29.7	Peak	Horizontal
	4978.0	41.7	3.7	45.4	74.0	-28.6	Peak	Horizontal
	11599.5	31.2	17.8	49.0	74.0	-25.0	Peak	Horizontal
	5063.0	36.2	4.2	40.4	74.0	-33.6	Peak	Vertical
	7511.0	32.4	11.5	43.9	74.0	-30.1	Peak	Vertical
	12313.5	32.3	17.6	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)

Test Site	WZ-AC2	Test Engineer	Lucas Wang
Test Date	2022-09-13	Test Mode:	802.11n-HT40
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	4833.5	38.4	4.0	42.4	74.0	-31.6	Peak	Horizontal
	4978.0	41.7	3.7	45.4	74.0	-28.6	Peak	Horizontal
	12262.5	31.9	17.8	49.7	74.0	-24.3	Peak	Horizontal
	4833.5	35.7	4.0	39.7	74.0	-34.3	Peak	Vertical
	8454.5	32.8	11.9	44.7	74.0	-29.3	Peak	Vertical
	10979.0	31.5	17.1	48.6	74.0	-25.4	Peak	Vertical
06	4995.0	40.7	3.8	44.5	74.0	-29.5	Peak	Horizontal
	7417.5	31.7	11.8	43.5	74.0	-30.5	Peak	Horizontal
	11072.5	29.9	16.9	46.8	74.0	-27.2	Peak	Horizontal
	4825.0	35.7	4.0	39.7	74.0	-34.3	Peak	Vertical
	8140.0	33.4	12.0	45.4	74.0	-28.6	Peak	Vertical
	11744.0	32.8	17.7	50.5	74.0	-23.5	Peak	Vertical
09	4986.5	40.8	3.8	44.6	74.0	-29.4	Peak	Horizontal
	8140.0	32.5	12.0	44.5	74.0	-29.5	Peak	Horizontal
	11064.0	32.0	17.0	49.0	74.0	-25.0	Peak	Horizontal
	4748.5	35.4	4.5	39.9	74.0	-34.1	Peak	Vertical
	7562.0	32.2	11.6	43.8	74.0	-30.2	Peak	Vertical
	11064.0	32.6	17.0	49.6	74.0	-24.4	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)

Antenna 2#:

Test Site	WZ-AC2	Test Engineer	Lucas Wang
Test Date	2022-09-16~2022-09-17	Test Mode	802.11b
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	4825.0	42.6	4.0	46.6	74.0	-27.4	Peak	Horizontal
	7511.0	31.8	11.5	43.3	74.0	-30.7	Peak	Horizontal
	8454.5	32.9	11.9	44.8	74.0	-29.2	Peak	Horizontal
	4825.0	43.6	4.0	47.6	74.0	-26.4	Peak	Vertical
	7468.5	31.6	11.3	42.9	74.0	-31.1	Peak	Vertical
	11064.0	32.5	17.0	49.5	74.0	-24.5	Peak	Vertical
06	4961.0	36.8	3.6	40.4	74.0	-33.6	Peak	Horizontal
	7613.0	32.9	11.3	44.2	74.0	-29.8	Peak	Horizontal
	11608.0	32.1	17.7	49.8	74.0	-24.2	Peak	Horizontal
	4816.5	35.9	4.1	40.0	74.0	-34.0	Peak	Vertical
	7451.5	32.6	11.4	44.0	74.0	-30.0	Peak	Vertical
	10970.5	33.3	16.8	50.1	74.0	-23.9	Peak	Vertical
11	4927.0	37.4	3.8	41.2	74.0	-32.8	Peak	Horizontal
	8463.0	33.8	11.9	45.7	74.0	-28.3	Peak	Horizontal
	11327.5	32.7	17.4	50.1	74.0	-23.9	Peak	Horizontal
	4927.0	37.4	3.8	41.2	74.0	-32.8	Peak	Vertical
	7383.5	33.3	11.5	44.8	74.0	-29.2	Peak	Vertical
	11523.0	31.9	17.6	49.5	74.0	-24.5	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-AC2	Test Engineer	Lucas Wang
Test Date	2022-09-16~2022-09-17	Test Mode	802.11g
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	4825.0	37.0	4.0	41.0	74.0	-33.0	Peak	Horizontal
	7366.5	32.9	11.6	44.5	74.0	-29.5	Peak	Horizontal
	11642.0	32.1	17.8	49.9	74.0	-24.1	Peak	Horizontal
	4825.0	39.8	4.0	43.8	74.0	-30.2	Peak	Vertical
	7715.0	33.3	11.3	44.6	74.0	-29.4	Peak	Vertical
	11208.5	32.3	17.6	49.9	74.0	-24.1	Peak	Vertical
06	7358.0	32.5	11.6	44.1	74.0	-29.9	Peak	Horizontal
	8208.0	33.8	11.2	45.0	74.0	-29.0	Peak	Horizontal
	11506.0	31.2	17.7	48.9	74.0	-25.1	Peak	Horizontal
	4995.0	36.5	3.8	40.3	74.0	-33.7	Peak	Vertical
	7587.5	32.2	11.4	43.6	74.0	-30.4	Peak	Vertical
	11591.0	31.3	17.9	49.2	74.0	-24.8	Peak	Vertical
11	7426.0	32.2	11.9	44.1	74.0	-29.9	Peak	Horizontal
	8395.0	33.4	11.5	44.9	74.0	-29.1	Peak	Horizontal
	11429.5	31.5	17.7	49.2	74.0	-24.8	Peak	Horizontal
	7426.0	33.1	11.9	45.0	74.0	-29.0	Peak	Vertical
	8463.0	34.2	11.9	46.1	74.0	-27.9	Peak	Vertical
	11217.0	32.0	17.6	49.6	74.0	-24.4	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-AC2	Test Engineer	Lucas Wang
Test Date	2022-09-16~2022-09-17	Test Mode	802.11n-HT20
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	4136.5	35.9	0.8	36.7	74.0	-37.3	Peak	Horizontal
	4825.0	39.0	4.0	43.0	74.0	-31.0	Peak	Horizontal
	7502.5	31.0	11.5	42.5	74.0	-31.5	Peak	Horizontal
	3975.0	34.7	0.1	34.8	74.0	-39.2	Peak	Vertical
	4978.0	38.8	3.7	42.5	74.0	-31.5	Peak	Vertical
	11064.0	31.5	17.0	48.5	74.0	-25.5	Peak	Vertical
06	4221.5	36.7	1.2	37.9	74.0	-36.1	Peak	Horizontal
	4995.0	37.0	3.8	40.8	74.0	-33.2	Peak	Horizontal
	7417.5	32.4	11.8	44.2	74.0	-29.8	Peak	Horizontal
	4170.5	33.6	1.3	34.9	74.0	-39.1	Peak	Vertical
	4986.5	38.1	3.8	41.9	74.0	-32.1	Peak	Vertical
	7434.5	30.6	11.7	42.3	74.0	-31.7	Peak	Vertical
11	4119.5	36.4	0.7	37.1	74.0	-36.9	Peak	Horizontal
	4825.0	35.9	4.0	39.9	74.0	-34.1	Peak	Horizontal
	7460.0	32.3	11.3	43.6	74.0	-30.4	Peak	Horizontal
	3932.5	35.3	0.0	35.3	74.0	-38.7	Peak	Vertical
	4978.0	37.8	3.7	41.5	74.0	-32.5	Peak	Vertical
	7468.5	31.1	11.3	42.4	74.0	-31.6	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-AC2	Test Engineer	Lucas Wang
Test Date	2022-09-16~2022-09-17	Test Mode:	802.11n-HT40
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.		

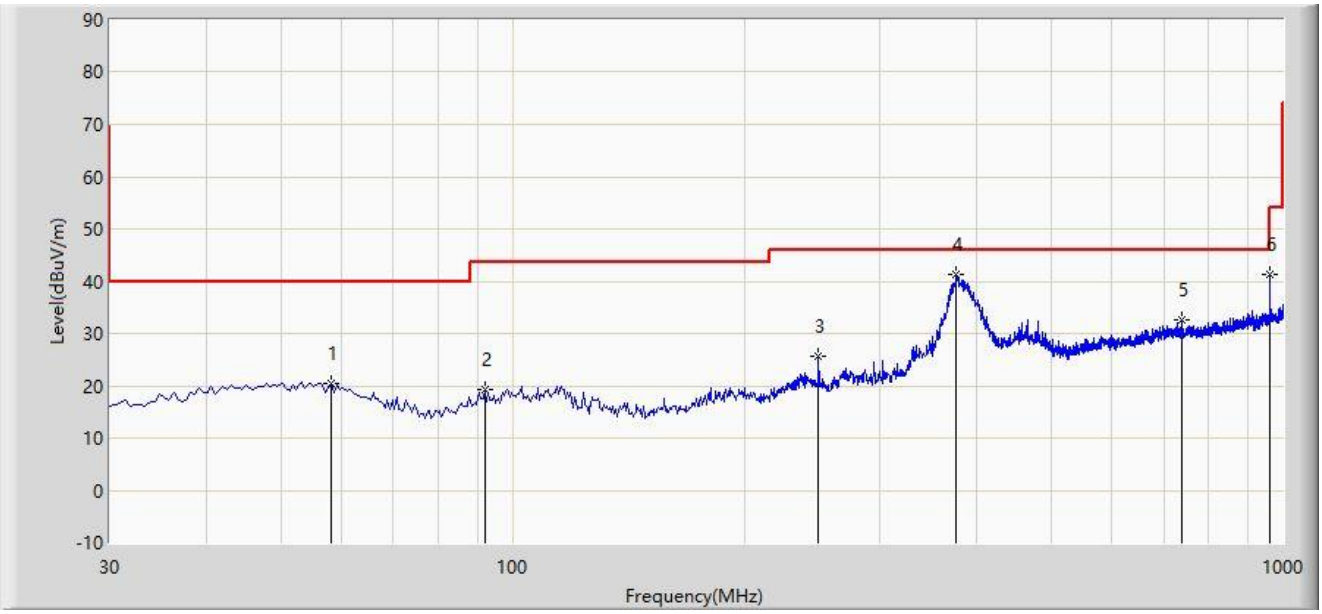
Test Channel	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
03	3805.0	36.5	0.0	36.5	74.0	-37.5	Peak	Horizontal
	4986.5	38.0	3.8	41.8	74.0	-32.2	Peak	Horizontal
	7587.5	32.2	11.4	43.6	74.0	-30.4	Peak	Horizontal
	4068.5	36.7	0.6	37.3	74.0	-36.7	Peak	Vertical
	4833.5	35.4	4.0	39.4	74.0	-34.6	Peak	Vertical
	7511.0	32.5	11.5	44.0	74.0	-30.0	Peak	Vertical
06	3932.5	34.5	0.0	34.5	74.0	-39.5	Peak	Horizontal
	4986.5	36.6	3.8	40.4	74.0	-33.6	Peak	Horizontal
	7332.5	31.7	11.3	43.0	74.0	-31.0	Peak	Horizontal
	4060.0	35.4	0.5	35.9	74.0	-38.1	Peak	Vertical
	4986.5	38.3	3.8	42.1	74.0	-31.9	Peak	Vertical
	7502.5	31.6	11.5	43.1	74.0	-30.9	Peak	Vertical
09	4077.0	35.8	0.8	36.6	74.0	-37.4	Peak	Horizontal
	4986.5	37.5	3.8	41.3	74.0	-32.7	Peak	Horizontal
	11072.5	30.2	16.9	47.1	74.0	-26.9	Peak	Horizontal
	3898.5	36.3	0.1	36.4	74.0	-37.6	Peak	Vertical
	4995.0	38.4	3.8	42.2	74.0	-31.8	Peak	Vertical
	7434.5	30.7	11.7	42.4	74.0	-31.6	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)

Worst Radiated Spurious Emission for below 1GHz:

Site: WZ-AC2	Test Date: 2022-09-26
Limit: FCC_Part15_15.209 RE(3m)	Engineer: Bob Zhang
Probe: VULB9162_30-7000MHz	Polarity: Horizontal
EUT: High Speed Smart 5G Router	Power: AC 120V/60Hz
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		58.130	20.349	0.461	-19.651	40.000	19.888	PK
2		92.080	19.306	2.262	-24.194	43.500	17.044	PK
3		249.705	25.569	5.625	-20.431	46.000	19.944	PK
4	*	376.290	41.210	18.487	-4.790	46.000	22.723	PK
5		738.585	32.629	3.476	-13.371	46.000	29.153	PK
6		960.230	41.270	9.705	-12.730	54.000	31.565	PK

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

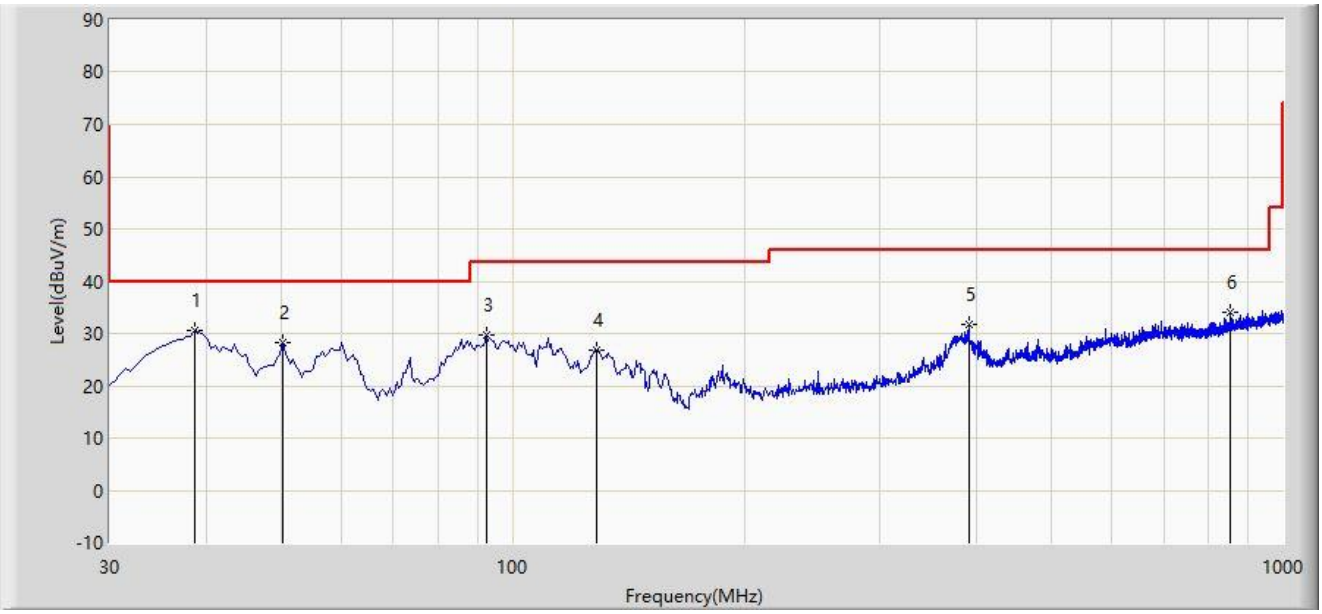
Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

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

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

Note 5: The amplitude of radiated emissions (frequency range from 9kHz to 30MHz and 18GHz to 25GHz) 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: WZ-AC2	Test Date: 2022-09-26
Limit: FCC_Part15_15.209 RE(3m)	Engineer: Bob Zhang
Probe: VULB9162_30-7000MHz	Polarity: Vertical
EUT: High Speed Smart 5G Router	Power: AC 120V/60Hz
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	*	38.730	30.586	12.276	-9.414	40.000	18.310	PK
2		50.370	28.404	7.982	-11.596	40.000	20.422	PK
3		92.565	29.607	12.421	-13.893	43.500	17.187	PK
4		128.455	26.815	11.267	-16.685	43.500	15.548	PK
5		391.325	31.604	8.621	-14.396	46.000	22.983	PK
6		854.015	34.170	3.628	-11.830	46.000	30.542	PK

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

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

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

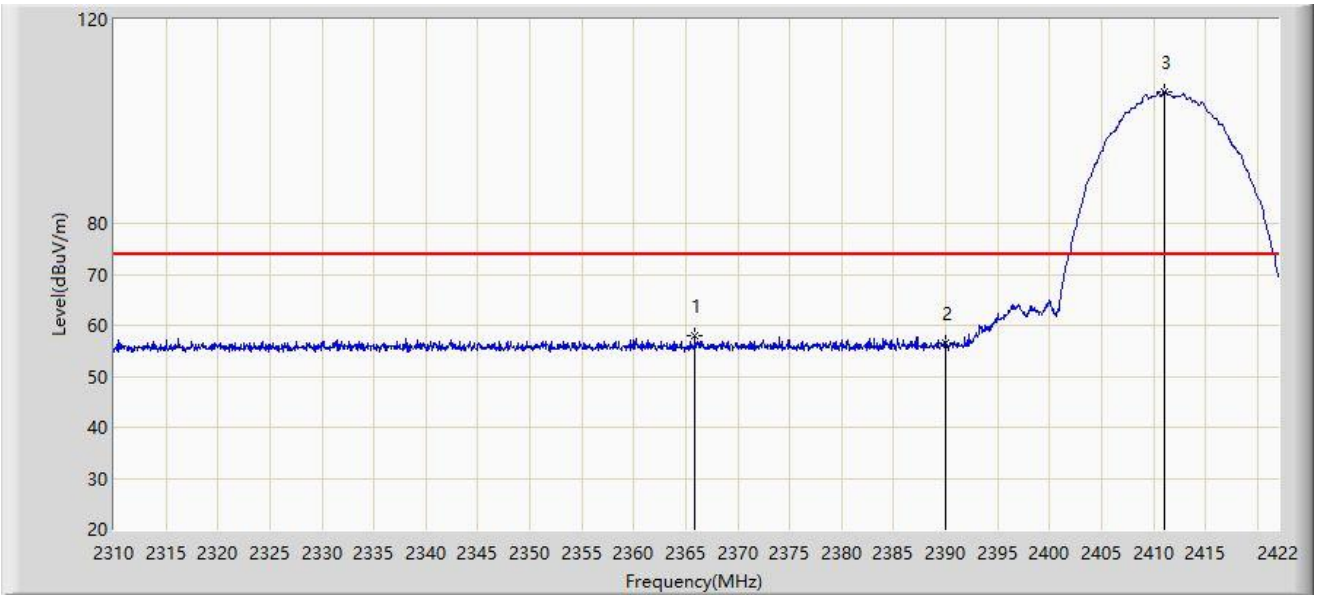
Note 4: Quasi-Peak measurement was not performed when peak measure level was lower than the quasi-peak limit.

Note 5: The amplitude of radiated emissions (frequency range from 9kHz to 30MHz and 18GHz to 25GHz) 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.7 Radiated Restricted Band Edge Test Result

Antenna 1#:

Site: WZ-AC2	Test Date: 2022-09-13
Limit: FCC_Part15_15.209 RE(3m)	Engineer: Lucas Wang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: High Speed Smart 5G Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at 2412MHz	



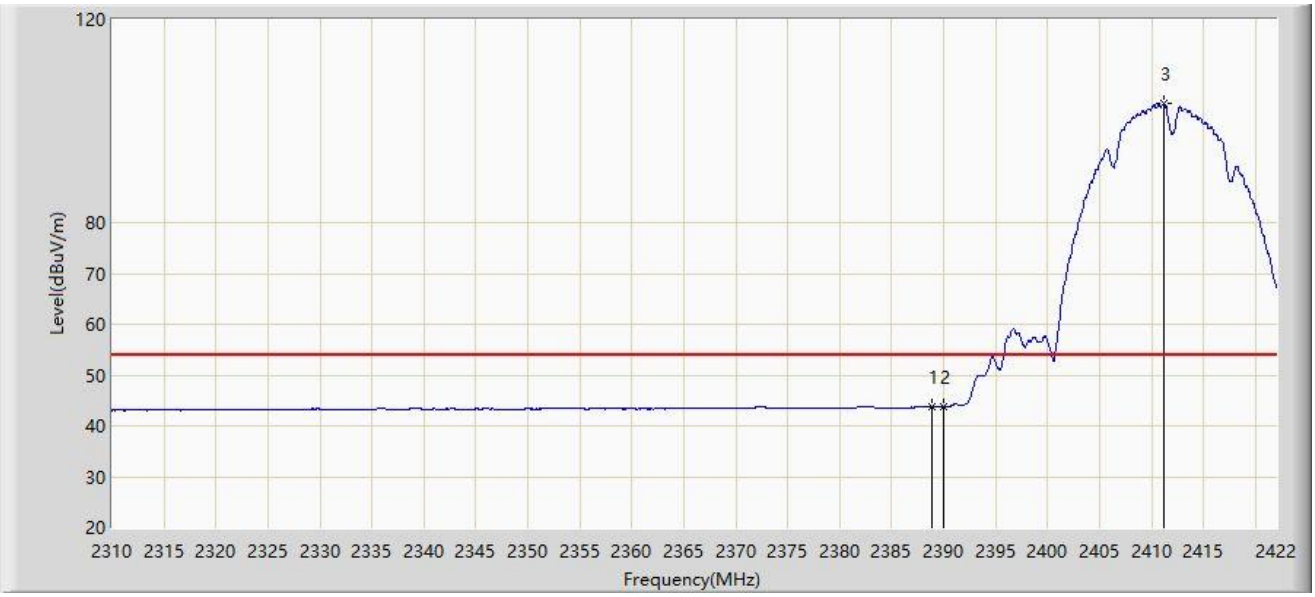
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	2365.888	57.898	26.384	-16.102	74.000	31.514	PK
2		2390.000	56.471	25.038	-17.529	74.000	31.433	PK
3		2411.080	105.889	74.527	N/A	N/A	31.362	PK

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-AC2	Test Date: 2022-09-13
Limit: FCC_Part15_15.209 RE(3m)	Engineer: Lucas Wang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: High Speed Smart 5G Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at 2412MHz	



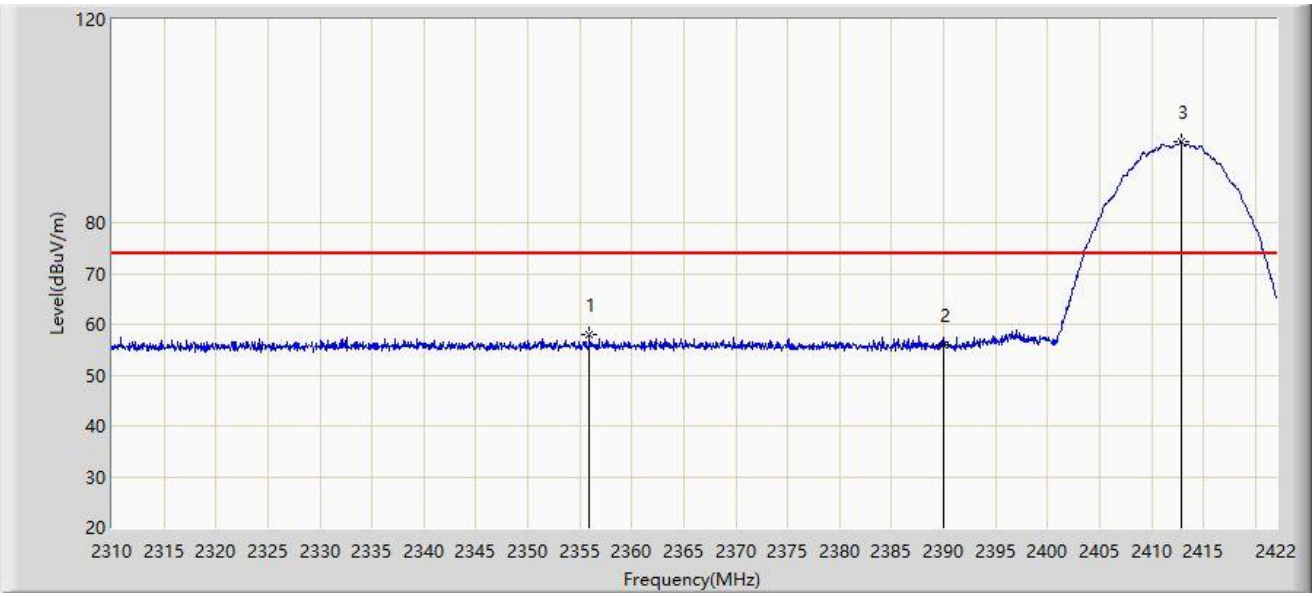
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	2388.848	43.904	12.465	-10.096	54.000	31.439	AV
2		2390.000	43.685	12.252	-10.315	54.000	31.433	AV
3		2411.192	103.463	72.102	N/A	N/A	31.361	AV

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-AC2	Test Date: 2022-09-13
Limit: FCC_Part15_15.209 RE(3m)	Engineer: Lucas Wang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: High Speed Smart 5G Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at 2412MHz	



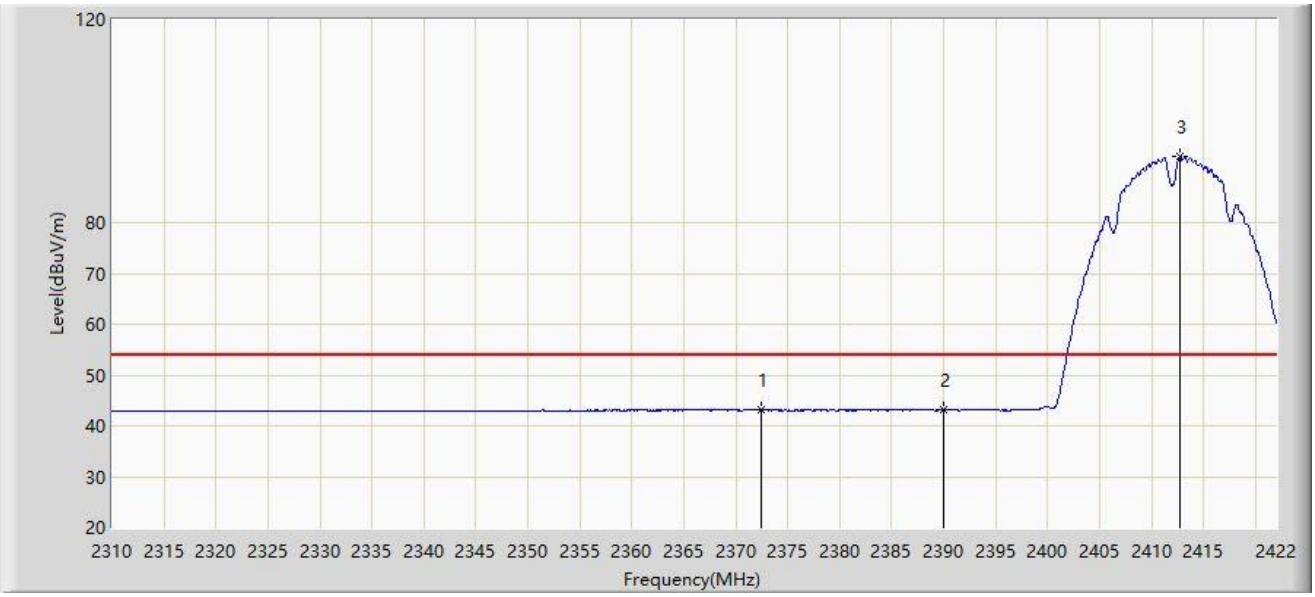
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	2355.920	57.938	26.427	-16.062	74.000	31.511	PK
2		2390.000	56.077	24.644	-17.923	74.000	31.433	PK
3		2412.872	95.916	64.559	N/A	N/A	31.356	PK

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-AC2	Test Date: 2022-09-13
Limit: FCC_Part15_15.209 RE(3m)	Engineer: Lucas Wang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: High Speed Smart 5G Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at 2412MHz	



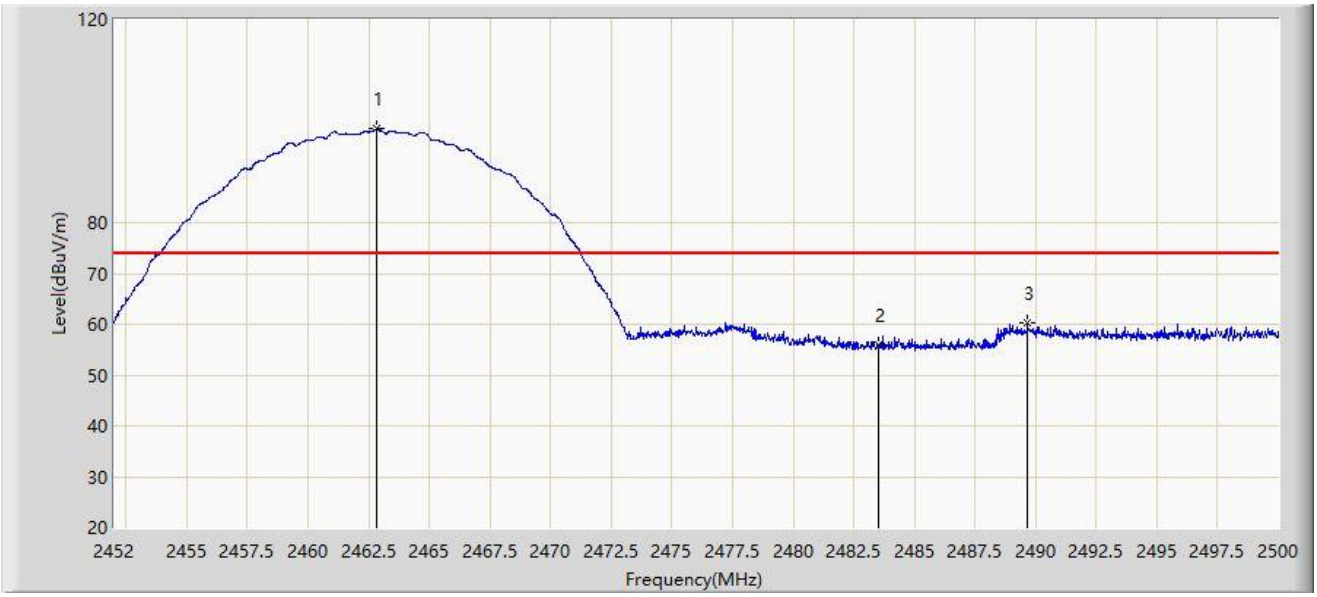
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	2372.440	43.153	11.656	-10.847	54.000	31.498	AV
2		2390.000	43.085	11.652	-10.915	54.000	31.433	AV
3		2412.760	92.923	61.566	N/A	N/A	31.357	AV

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-AC2	Test Date: 2022-09-13
Limit: FCC_Part15_15.209 RE(3m)	Engineer: Lucas Wang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: High Speed Smart 5G Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at 2462MHz	



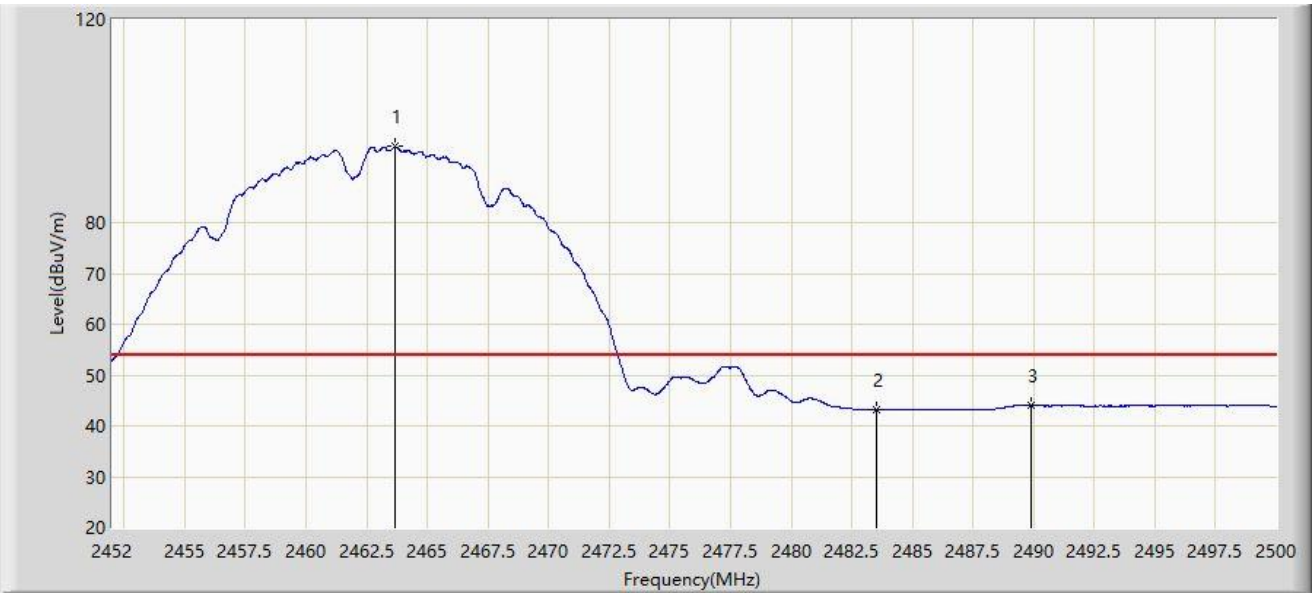
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		2462.848	98.470	67.143	N/A	N/A	31.327	PK
2		2483.500	55.870	24.555	-18.130	74.000	31.315	PK
3	*	2489.656	60.226	28.900	-13.774	74.000	31.326	PK

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-AC2	Test Date: 2022-09-13
Limit: FCC_Part15_15.209 RE(3m)	Engineer: Lucas Wang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: High Speed Smart 5G Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at 2462MHz	



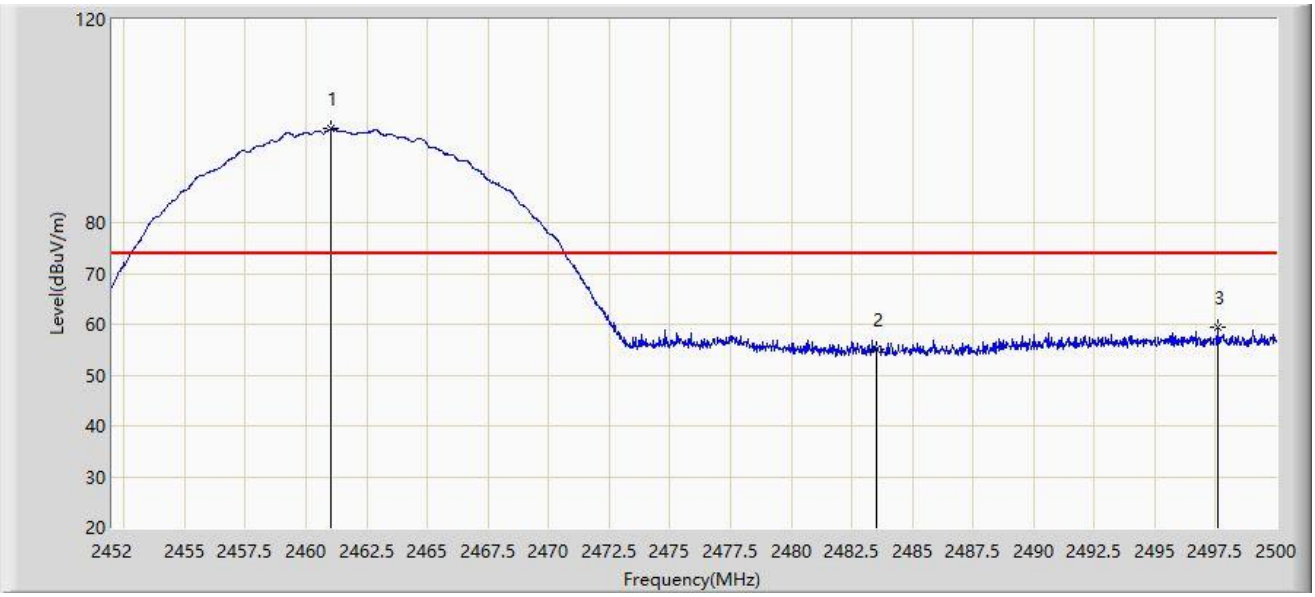
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		2463.664	94.931	63.605	N/A	N/A	31.325	AV
2		2483.500	43.165	11.850	-10.835	54.000	31.315	AV
3	*	2489.920	44.024	12.698	-9.976	54.000	31.326	AV

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-AC2	Test Date: 2022-09-13
Limit: FCC_Part15_15.209 RE(3m)	Engineer: Lucas Wang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: High Speed Smart 5G Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at 2462MHz	



No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		2461.024	98.490	67.158	N/A	N/A	31.332	PK
2		2483.500	55.177	23.862	-18.823	74.000	31.315	PK
3	*	2497.576	59.375	28.024	-14.625	74.000	31.350	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-AC2	Test Date: 2022-09-13
Limit: FCC_Part15_15.209 RE(3m)	Engineer: Lucas Wang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: High Speed Smart 5G Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at 2462MHz	

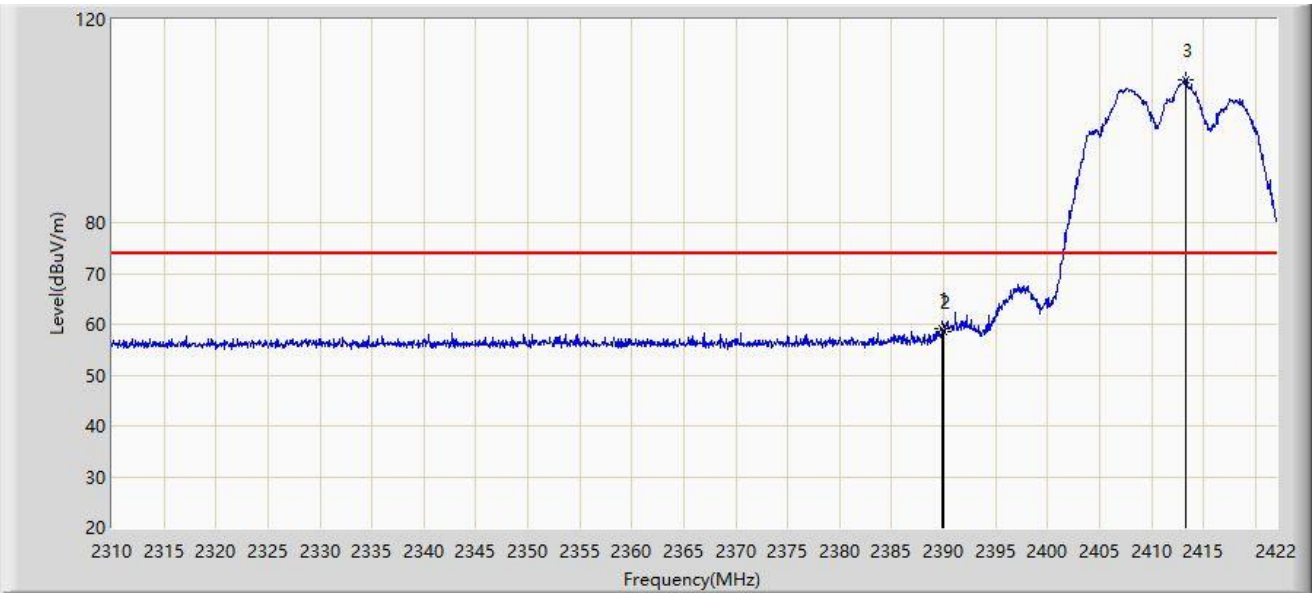
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		2461.240	95.846	64.515	N/A	N/A	31.331	AV
2		2483.500	43.080	11.765	-10.920	54.000	31.315	AV
3	*	2496.232	43.759	12.414	-10.241	54.000	31.345	AV

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-AC2	Test Date: 2022-09-13
Limit: FCC_Part15_15.209 RE(3m)	Engineer: Lucas Wang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: High Speed Smart 5G Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at 2412MHz	



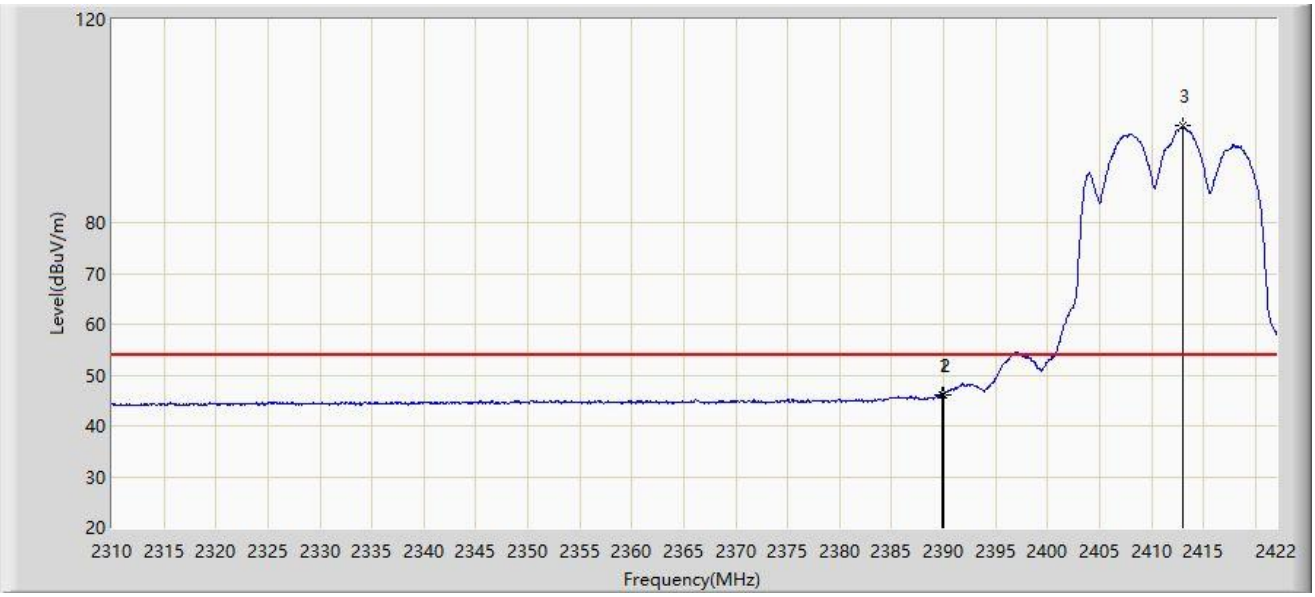
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	2389.912	59.083	27.649	-14.917	74.000	31.433	PK
2		2390.000	58.527	27.094	-15.473	74.000	31.433	PK
3		2413.264	108.181	76.825	N/A	N/A	31.356	PK

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-AC2	Test Date: 2022-09-13
Limit: FCC_Part15_15.209 RE(3m)	Engineer: Lucas Wang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: High Speed Smart 5G Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at 2412MHz	



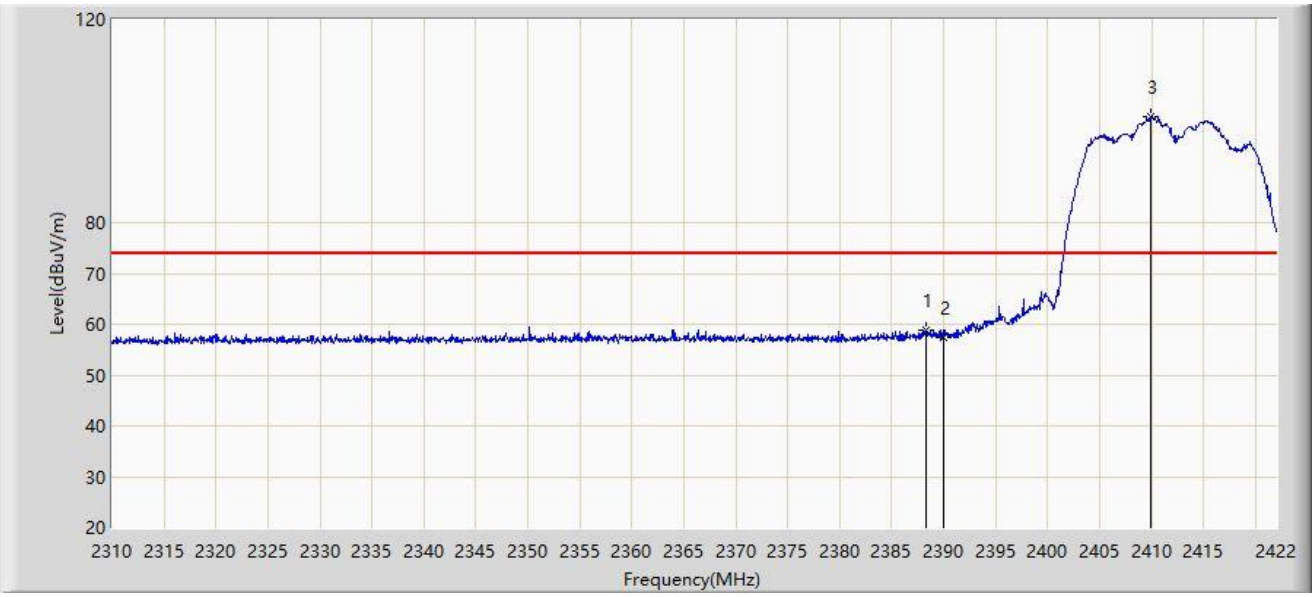
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		2389.856	46.152	14.718	-7.848	54.000	31.434	AV
2	*	2390.000	46.155	14.722	-7.845	54.000	31.433	AV
3		2412.984	99.008	67.651	N/A	N/A	31.357	AV

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-AC2	Test Date: 2022-09-13
Limit: FCC_Part15_15.209 RE(3m)	Engineer: Lucas Wang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: High Speed Smart 5G Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at 2412MHz	



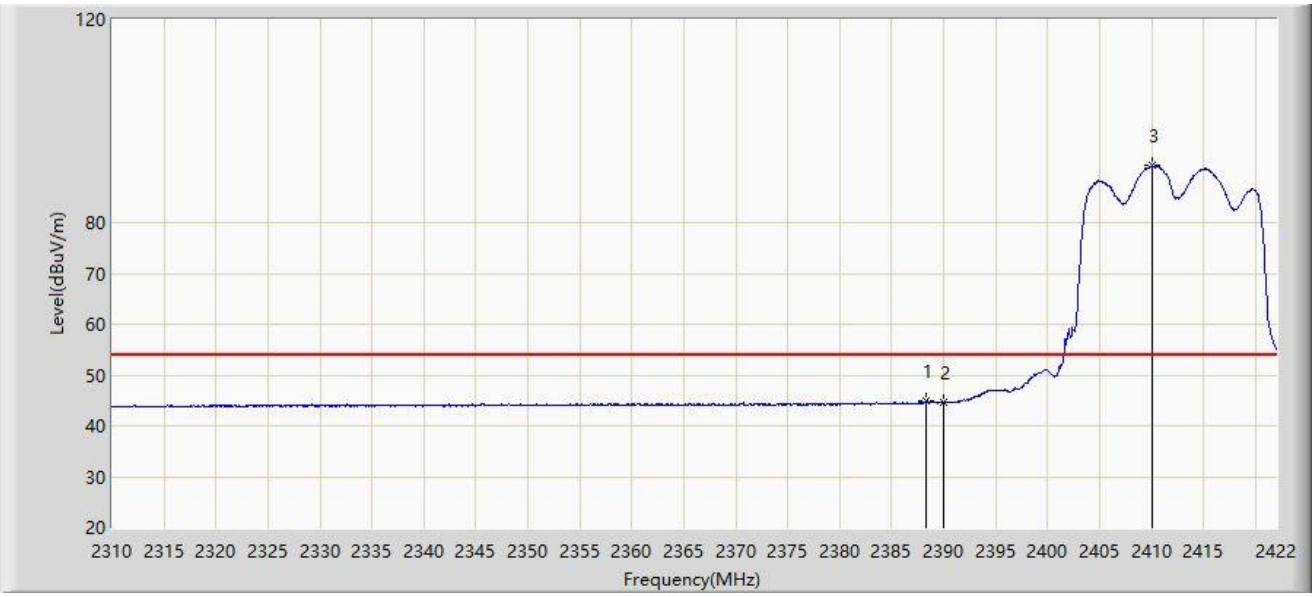
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	2388.288	58.955	27.513	-15.045	74.000	31.442	PK
2		2390.000	57.497	26.064	-16.503	74.000	31.433	PK
3		2409.960	100.937	69.573	N/A	N/A	31.364	PK

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-AC2	Test Date: 2022-09-13
Limit: FCC_Part15_15.209 RE(3m)	Engineer: Lucas Wang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: High Speed Smart 5G Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at 2412MHz	



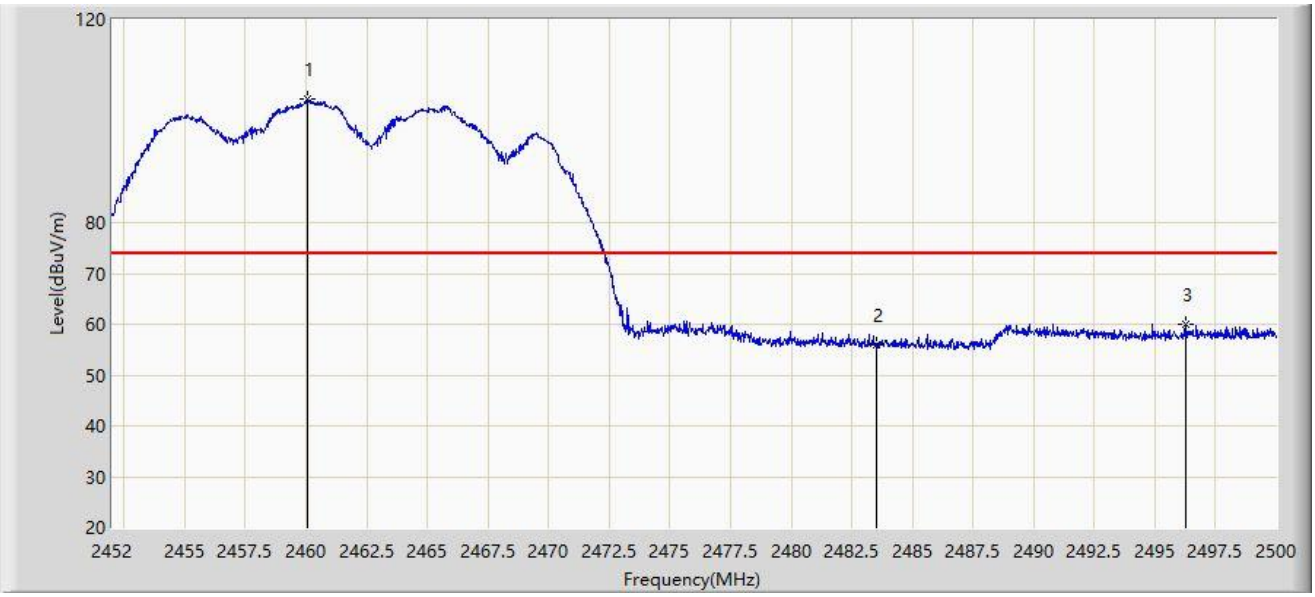
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	2388.344	44.894	13.453	-9.106	54.000	31.442	AV
2		2390.000	44.628	13.195	-9.372	54.000	31.433	AV
3		2410.072	91.299	59.935	N/A	N/A	31.364	AV

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-AC2	Test Date: 2022-09-14
Limit: FCC_Part15_15.209 RE(3m)	Engineer: Lucas Wang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: High Speed Smart 5G Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at 2462MHz	



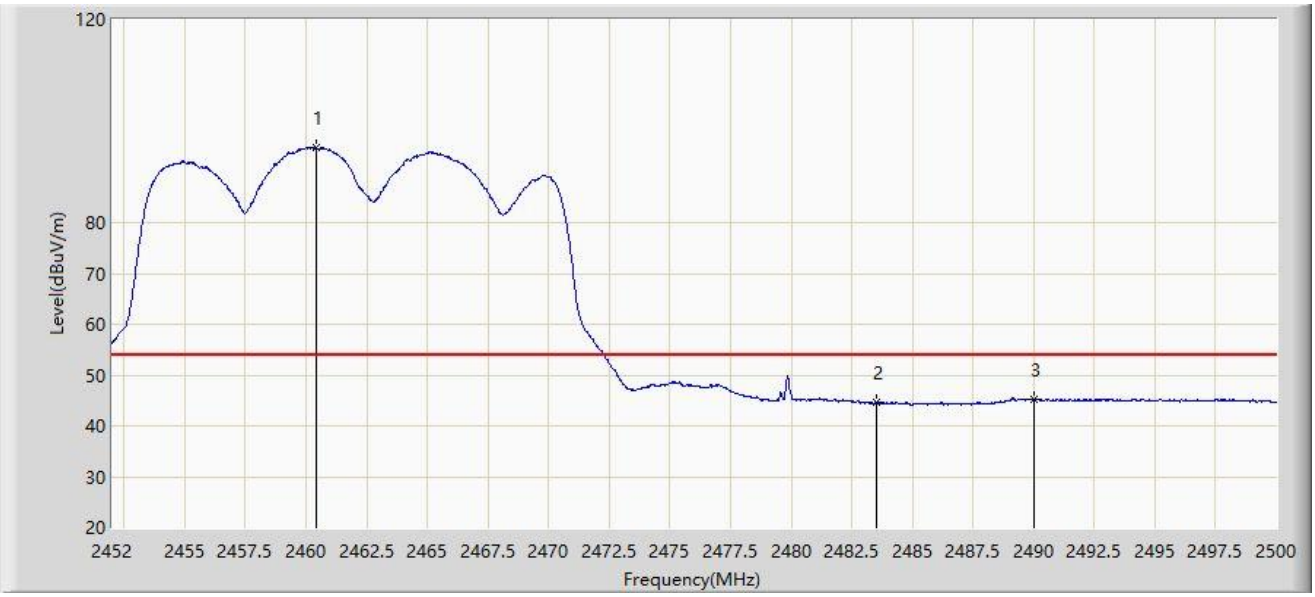
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		2460.040	104.323	72.989	N/A	N/A	31.334	PK
2		2483.500	55.864	24.549	-18.136	74.000	31.315	PK
3	*	2496.256	59.964	28.619	-14.036	74.000	31.345	PK

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-AC2	Test Date: 2022-09-14
Limit: FCC_Part15_15.209 RE(3m)	Engineer: Lucas Wang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: High Speed Smart 5G Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at 2462MHz	



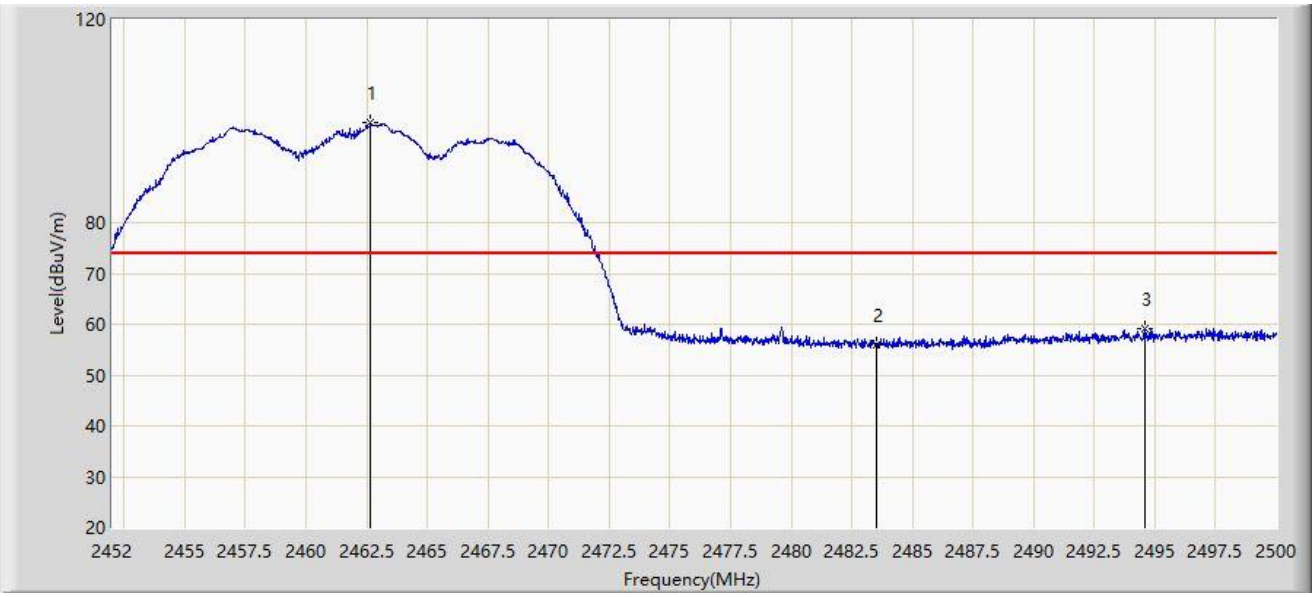
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		2460.400	94.794	63.461	N/A	N/A	31.334	AV
2		2483.500	44.609	13.294	-9.391	54.000	31.315	AV
3	*	2490.040	45.326	14.000	-8.674	54.000	31.326	AV

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-AC2	Test Date: 2022-09-14
Limit: FCC_Part15_15.209 RE(3m)	Engineer: Lucas Wang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: High Speed Smart 5G Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at 2462MHz	



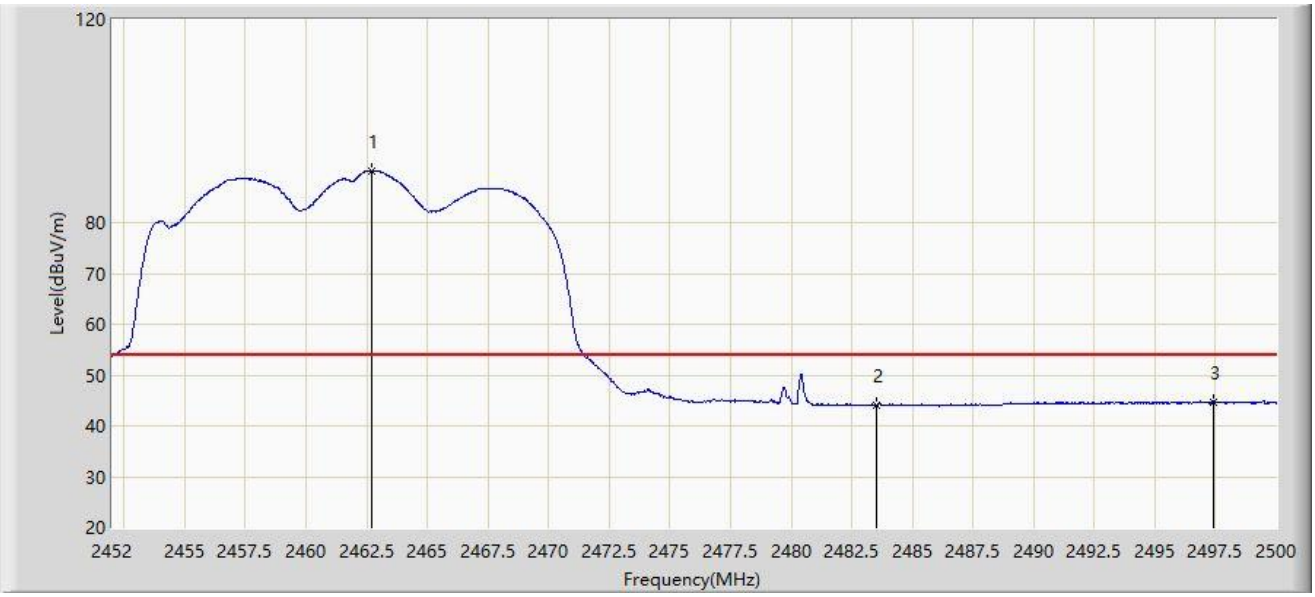
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		2462.656	99.628	68.300	N/A	N/A	31.327	PK
2		2483.500	55.964	24.649	-18.036	74.000	31.315	PK
3	*	2494.576	59.107	27.768	-14.893	74.000	31.339	PK

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-AC2	Test Date: 2022-09-14
Limit: FCC_Part15_15.209 RE(3m)	Engineer: Lucas Wang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: High Speed Smart 5G Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at 2462MHz	



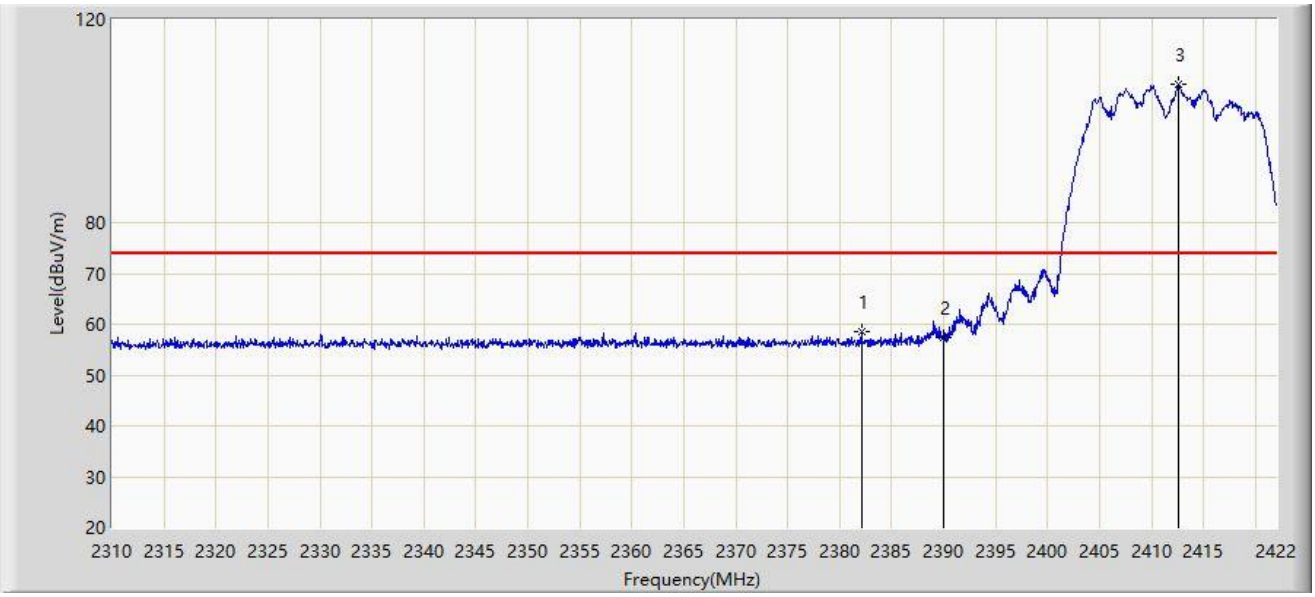
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		2462.704	90.155	58.827	N/A	N/A	31.327	AV
2		2483.500	44.113	12.798	-9.887	54.000	31.315	AV
3	*	2497.384	44.753	13.403	-9.247	54.000	31.350	AV

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-AC2	Test Date: 2022-09-14
Limit: FCC_Part15_15.209 RE(3m)	Engineer: Lucas Wang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: High Speed Smart 5G Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at 2412MHz	



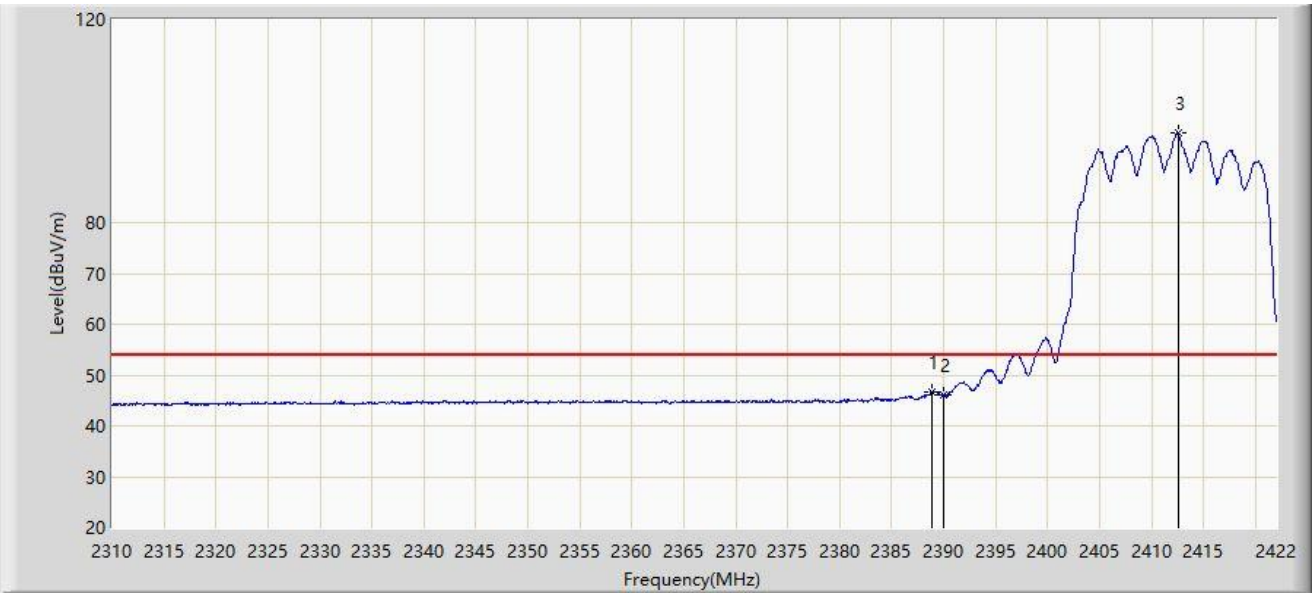
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	2382.072	58.684	27.215	-15.316	74.000	31.469	PK
2		2390.000	57.275	25.842	-16.725	74.000	31.433	PK
3		2412.648	107.164	75.807	N/A	N/A	31.357	PK

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-AC2	Test Date: 2022-09-14
Limit: FCC_Part15_15.209 RE(3m)	Engineer: Lucas Wang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: High Speed Smart 5G Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at 2412MHz	



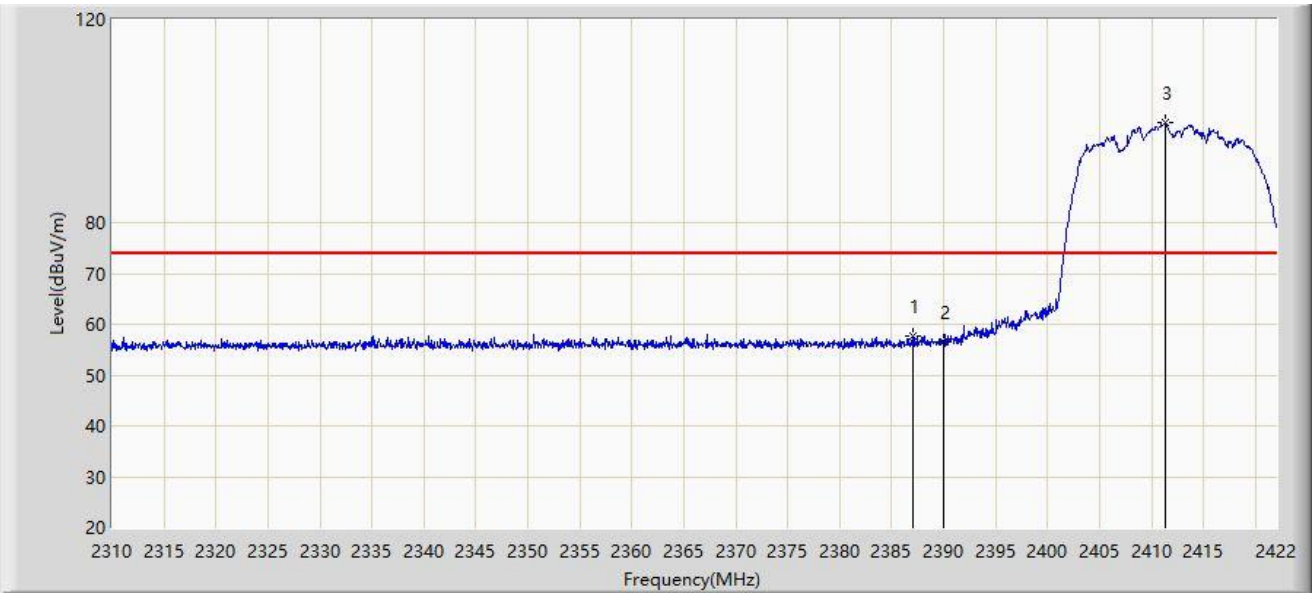
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	2388.904	46.659	15.220	-7.341	54.000	31.438	AV
2		2390.000	45.962	14.529	-8.038	54.000	31.433	AV
3		2412.536	97.771	66.413	N/A	N/A	31.357	AV

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-AC2	Test Date: 2022-09-14
Limit: FCC_Part15_15.209 RE(3m)	Engineer: Lucas Wang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: High Speed Smart 5G Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at 2412MHz	



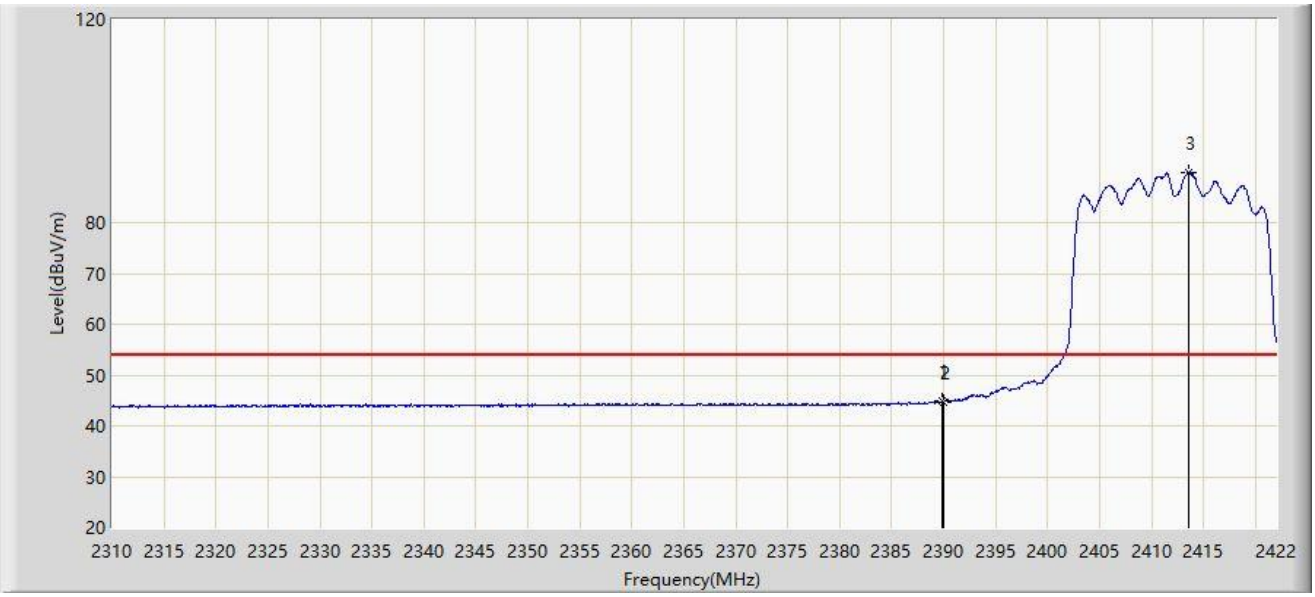
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	2387.000	57.659	26.211	-16.341	74.000	31.448	PK
2		2390.000	56.644	25.211	-17.356	74.000	31.433	PK
3		2411.304	99.809	68.448	N/A	N/A	31.361	PK

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-AC2	Test Date: 2022-09-14
Limit: FCC_Part15_15.209 RE(3m)	Engineer: Lucas Wang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: High Speed Smart 5G Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at 2412MHz	



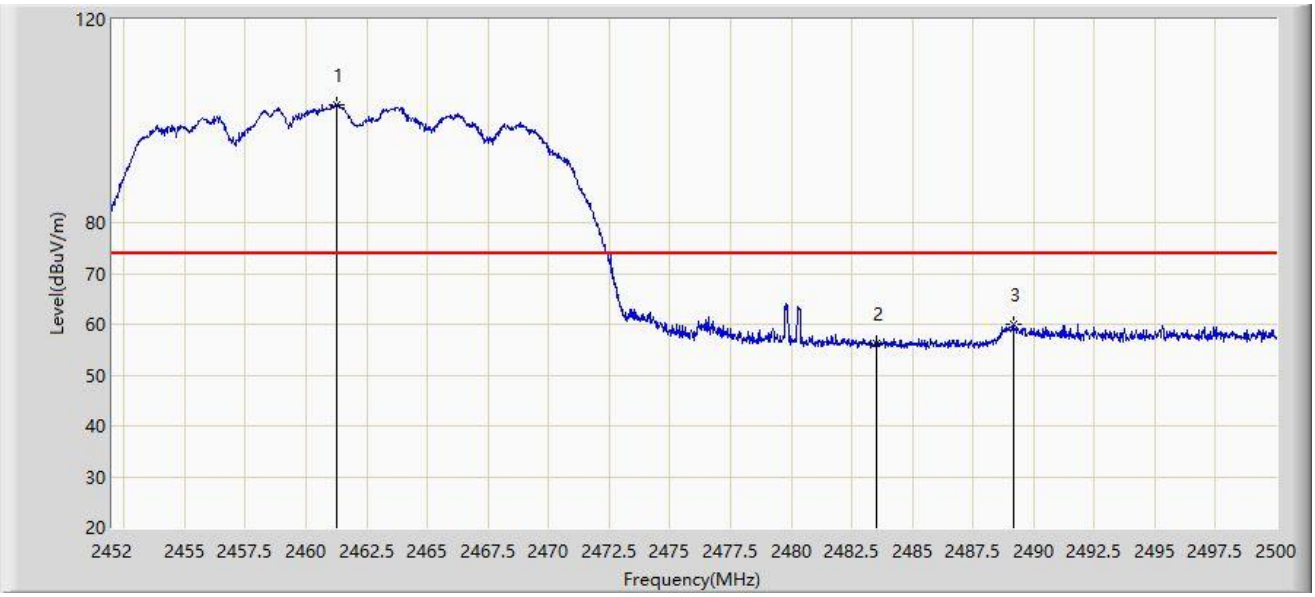
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	2389.800	44.812	13.378	-9.188	54.000	31.434	AV
2		2390.000	44.724	13.291	-9.276	54.000	31.433	AV
3		2413.544	89.987	58.632	N/A	N/A	31.355	AV

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-AC2	Test Date: 2022-09-14
Limit: FCC_Part15_15.209 RE(3m)	Engineer: Lucas Wang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: High Speed Smart 5G Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at 2462MHz	



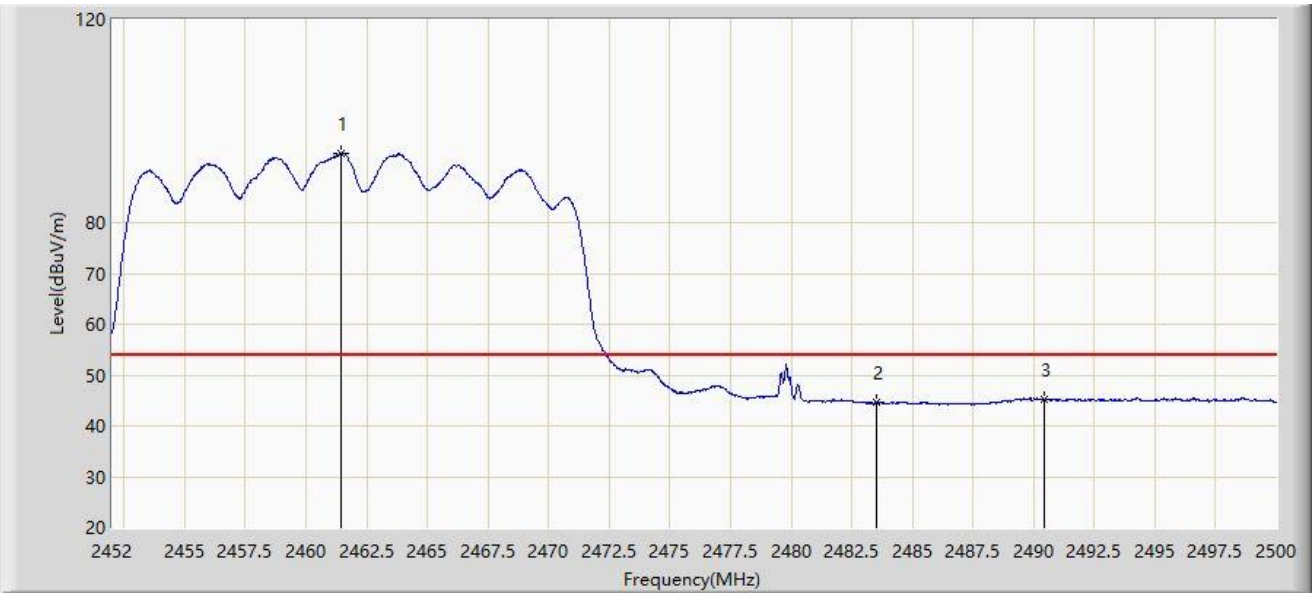
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		2461.288	103.270	71.939	N/A	N/A	31.331	PK
2		2483.500	56.217	24.902	-17.783	74.000	31.315	PK
3	*	2489.152	59.984	28.659	-14.016	74.000	31.325	PK

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-AC2	Test Date: 2022-09-14
Limit: FCC_Part15_15.209 RE(3m)	Engineer: Lucas Wang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: High Speed Smart 5G Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at 2462MHz	



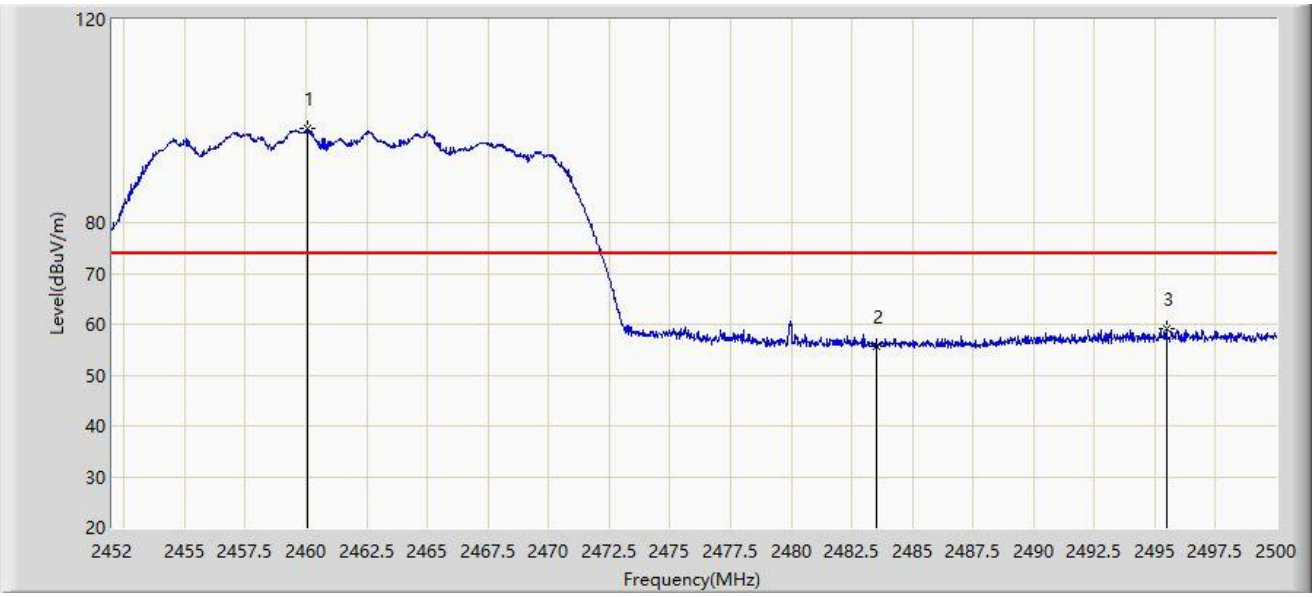
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		2461.432	93.687	62.356	N/A	N/A	31.331	AV
2		2483.500	44.561	13.246	-9.439	54.000	31.315	AV
3	*	2490.448	45.345	14.018	-8.655	54.000	31.327	AV

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-AC2	Test Date: 2022-09-14
Limit: FCC_Part15_15.209 RE(3m)	Engineer: Lucas Wang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: High Speed Smart 5G Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at 2462MHz	



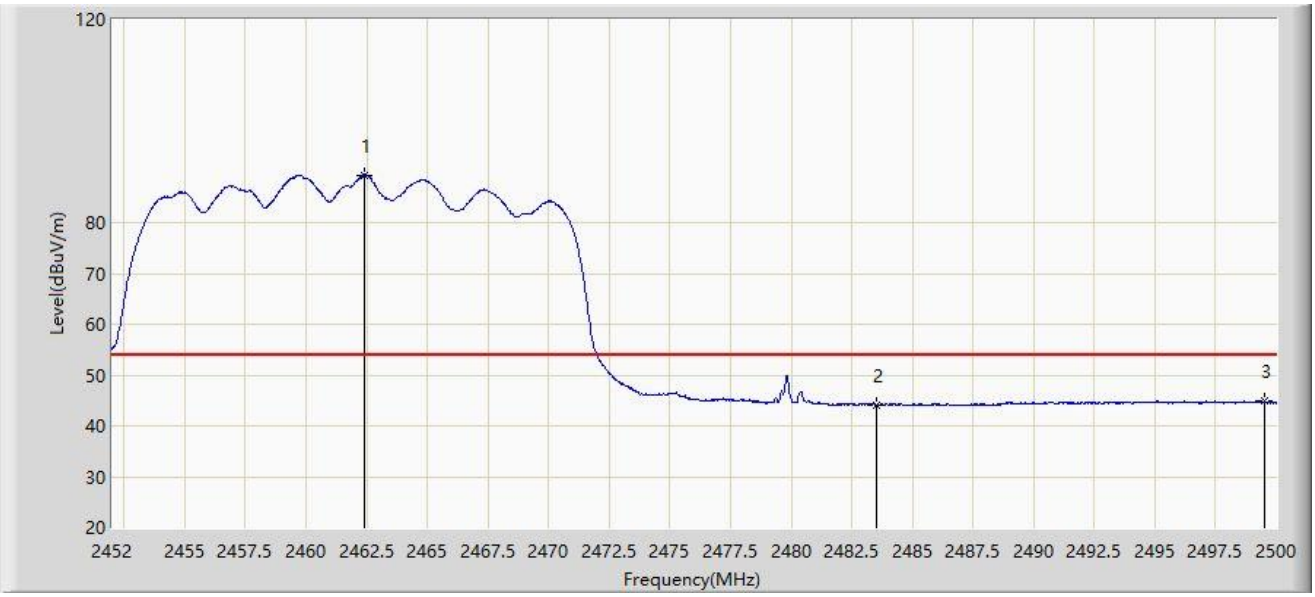
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		2460.088	98.413	67.079	N/A	N/A	31.334	PK
2		2483.500	55.786	24.471	-18.214	74.000	31.315	PK
3	*	2495.464	59.095	27.753	-14.905	74.000	31.342	PK

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-AC2	Test Date: 2022-09-14
Limit: FCC_Part15_15.209 RE(3m)	Engineer: Lucas Wang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: High Speed Smart 5G Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at 2462MHz	



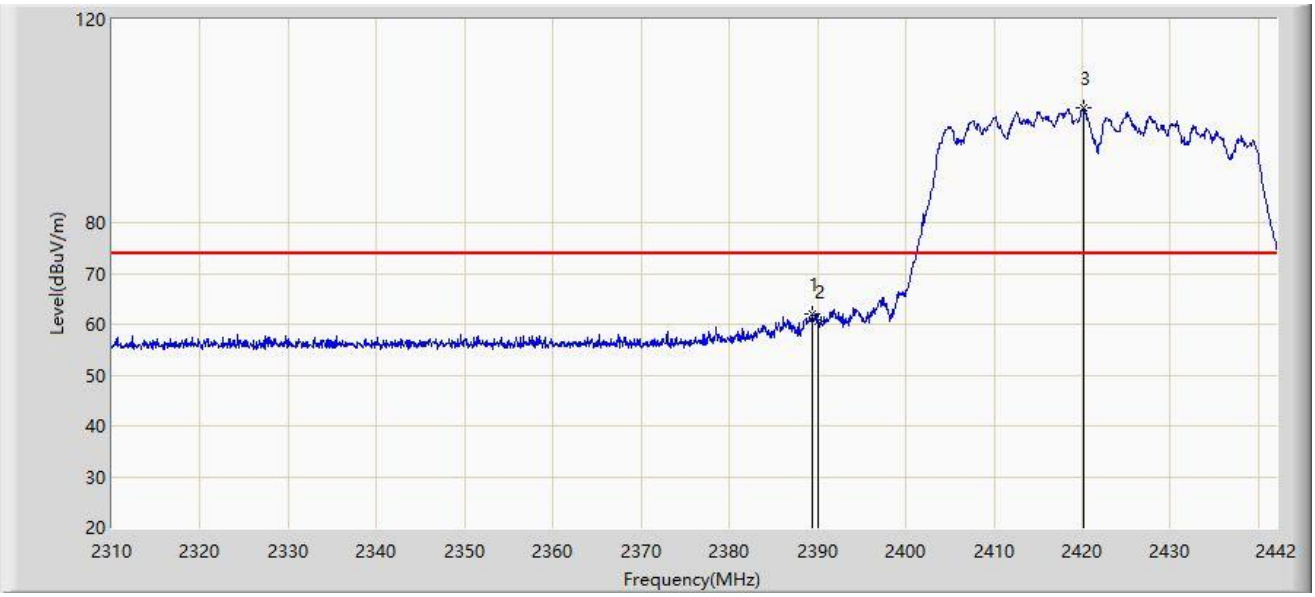
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		2462.416	89.420	58.092	N/A	N/A	31.329	AV
2		2483.500	44.017	12.702	-9.983	54.000	31.315	AV
3	*	2499.520	44.889	13.530	-9.111	54.000	31.359	AV

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-AC2	Test Date: 2022-09-14
Limit: FCC_Part15_15.209 RE(3m)	Engineer: Lucas Wang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: High Speed Smart 5G Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at 2422MHz	



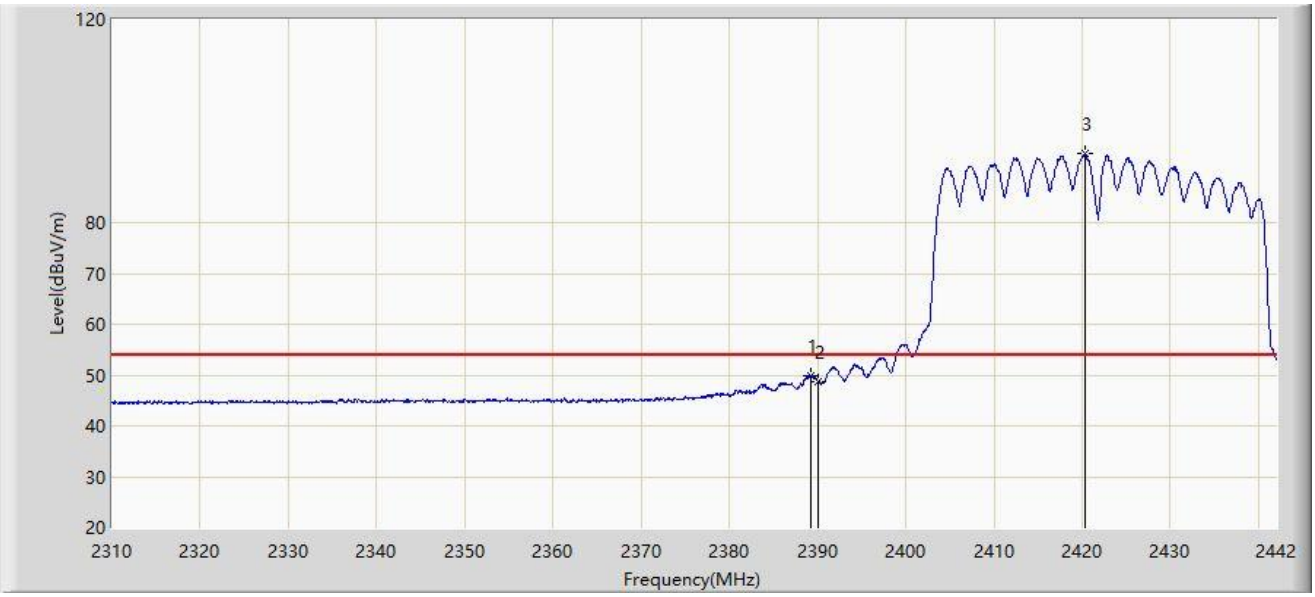
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	2389.332	62.028	30.592	-11.972	74.000	31.437	PK
2		2390.000	60.632	29.199	-13.368	74.000	31.433	PK
3		2420.088	102.535	71.197	N/A	N/A	31.338	PK

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-AC2	Test Date: 2022-09-14
Limit: FCC_Part15_15.209 RE(3m)	Engineer: Lucas Wang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: High Speed Smart 5G Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at 2422MHz	



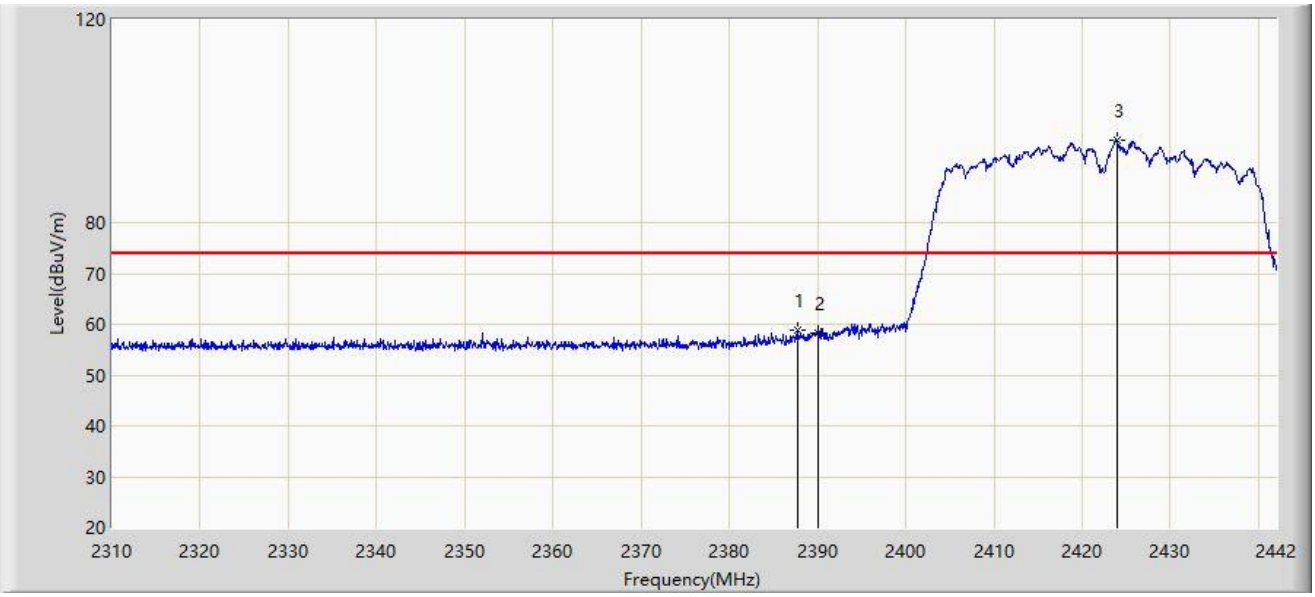
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	2389.266	49.964	18.527	-4.036	54.000	31.437	AV
2		2390.000	48.750	17.317	-5.250	54.000	31.433	AV
3		2420.286	93.510	62.173	N/A	N/A	31.337	AV

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-AC2	Test Date: 2022-09-14
Limit: FCC_Part15_15.209 RE(3m)	Engineer: Lucas Wang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: High Speed Smart 5G Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at 2422MHz	



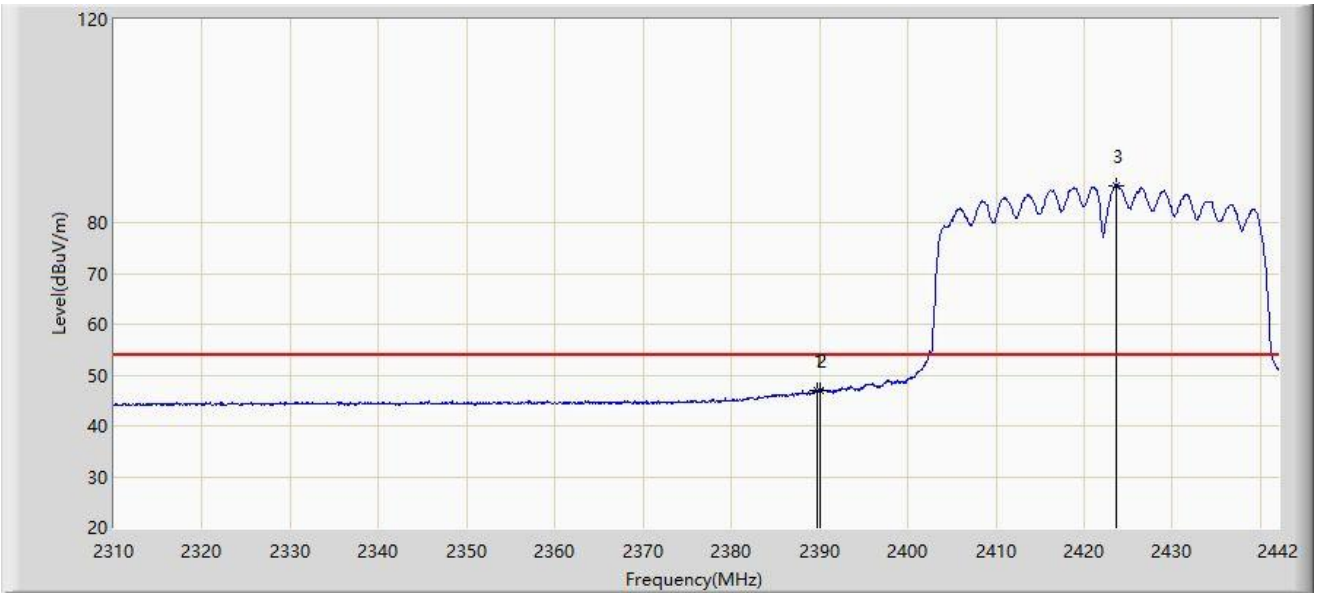
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	2387.682	58.705	27.260	-15.295	74.000	31.444	PK
2		2390.000	58.286	26.853	-15.714	74.000	31.433	PK
3		2423.916	96.174	64.843	N/A	N/A	31.330	PK

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).

Site: WZ-AC2	Test Date: 2022-09-14
Limit: FCC_Part15_15.209 RE(3m)	Engineer: Lucas Wang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: High Speed Smart 5G Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at 2422MHz	



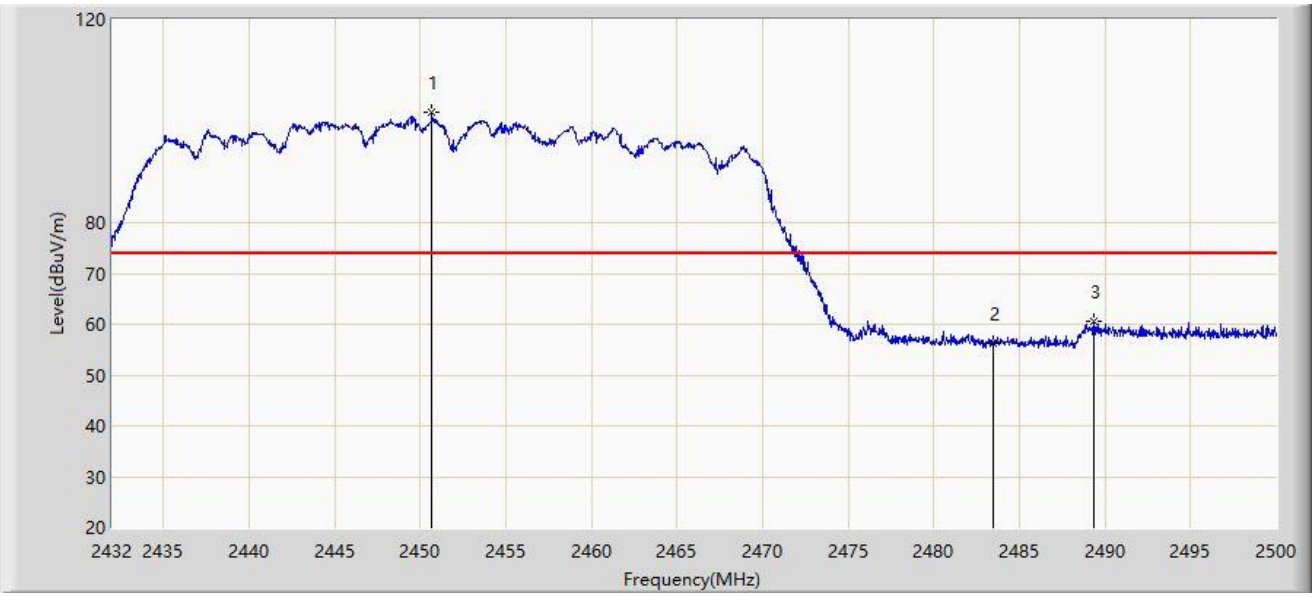
No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1	*	2389.662	47.010	15.575	-6.990	54.000	31.435	AV
2		2390.000	46.992	15.559	-7.008	54.000	31.433	AV
3		2423.652	87.357	56.026	N/A	N/A	31.331	AV

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-AC2	Test Date: 2022-09-14
Limit: FCC_Part15_15.209 RE(3m)	Engineer: Lucas Wang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: High Speed Smart 5G Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at 2452MHz	



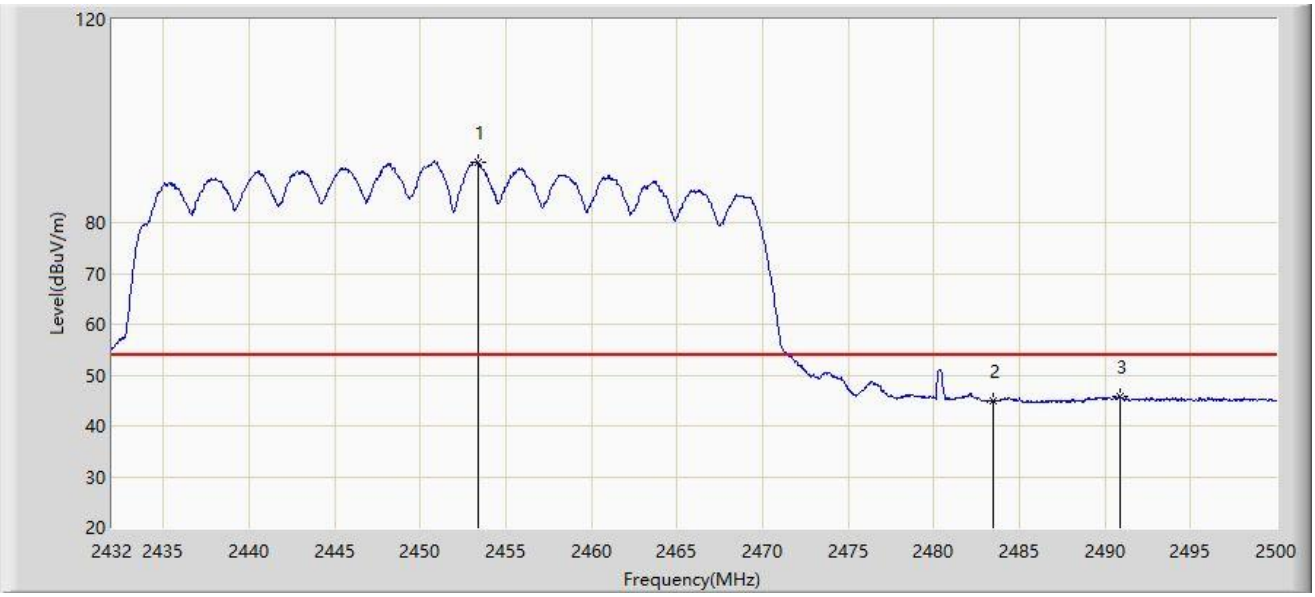
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		2450.700	101.777	70.443	N/A	N/A	31.335	PK
2		2483.500	56.111	24.796	-17.889	74.000	31.315	PK
3	*	2489.358	60.562	29.237	-13.438	74.000	31.325	PK

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-AC2	Test Date: 2022-09-14
Limit: FCC_Part15_15.209 RE(3m)	Engineer: Lucas Wang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: High Speed Smart 5G Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at 2452MHz	



No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		2453.420	91.998	60.658	N/A	N/A	31.340	AV
2		2483.500	44.882	13.567	-9.118	54.000	31.315	AV
3	*	2490.854	45.749	14.421	-8.251	54.000	31.328	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-AC2	Test Date: 2022-09-14
Limit: FCC_Part15_15.209 RE(3m)	Engineer: Lucas Wang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: High Speed Smart 5G Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at 2452MHz	

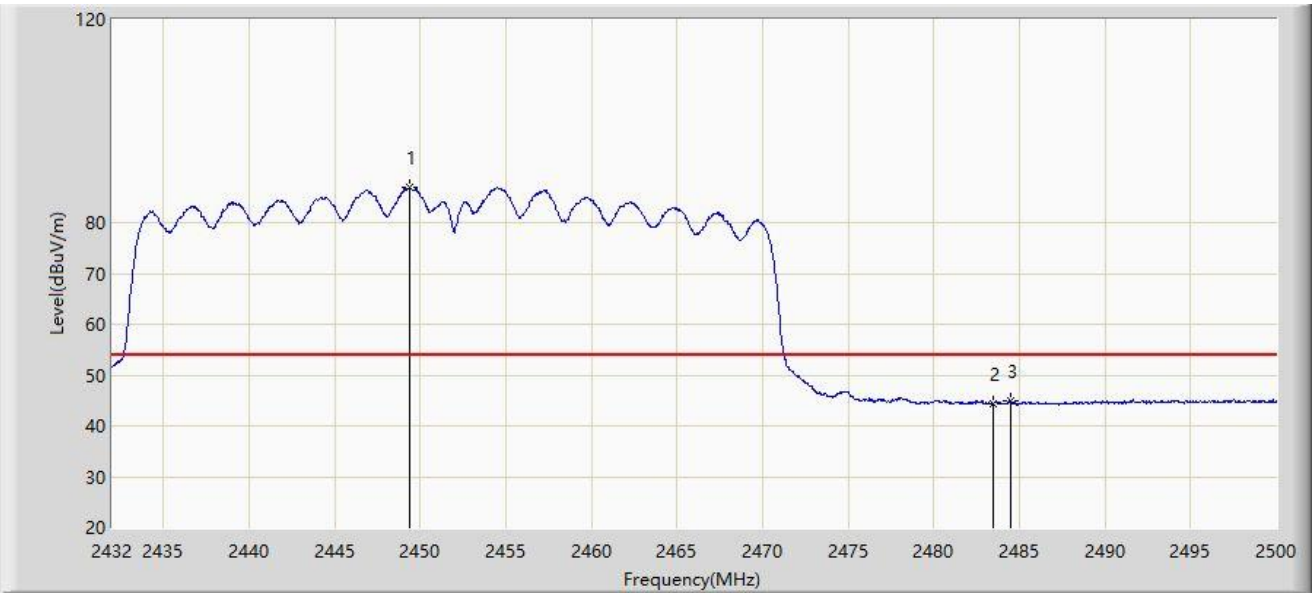
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		2450.020	96.367	65.034	N/A	N/A	31.333	PK
2		2483.500	56.118	24.803	-17.882	74.000	31.315	PK
3	*	2494.798	59.001	27.661	-14.999	74.000	31.340	PK

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-AC2	Test Date: 2022-09-14
Limit: FCC_Part15_15.209 RE(3m)	Engineer: Lucas Wang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: High Speed Smart 5G Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at 2452MHz	



No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		2449.408	86.877	55.545	N/A	N/A	31.332	AV
2		2483.500	44.327	13.012	-9.673	54.000	31.315	AV
3	*	2484.462	44.876	13.560	-9.124	54.000	31.316	AV

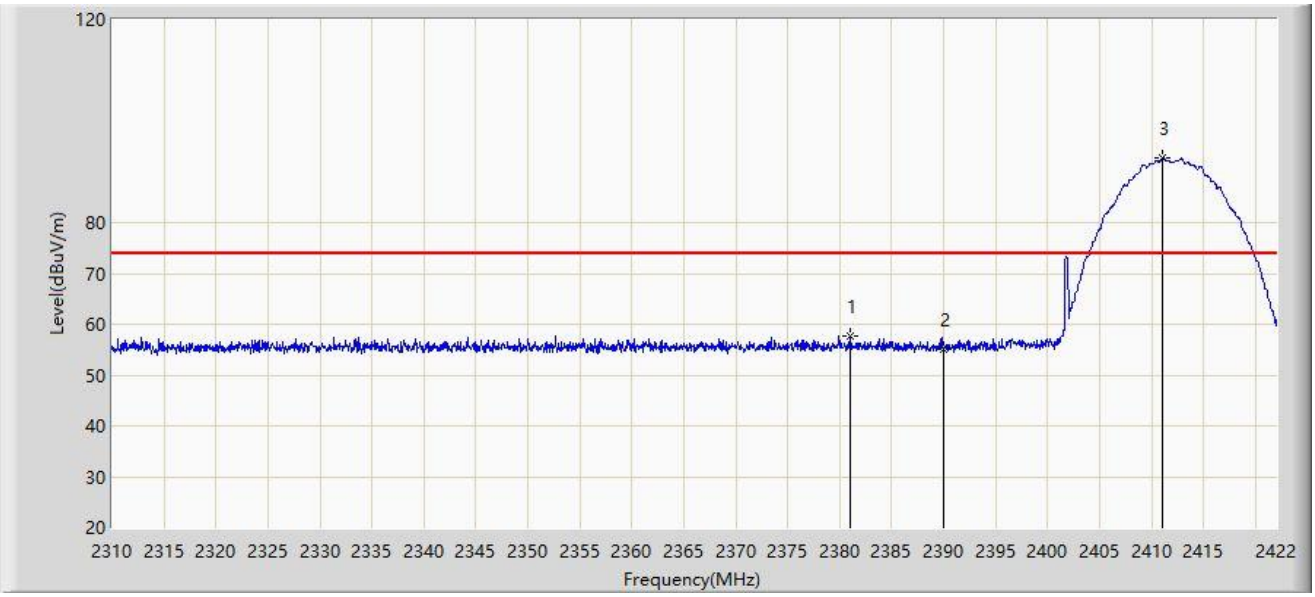
Note 1: " * ", means this data is the worst emission level.

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

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

Antenna 2#:

Site: WZ-AC2	Test Date: 2022-09-16
Limit: FCC_Part15_15.209 RE(3m)	Engineer: Lucas Wang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: High Speed Smart 5G Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at 2412MHz	



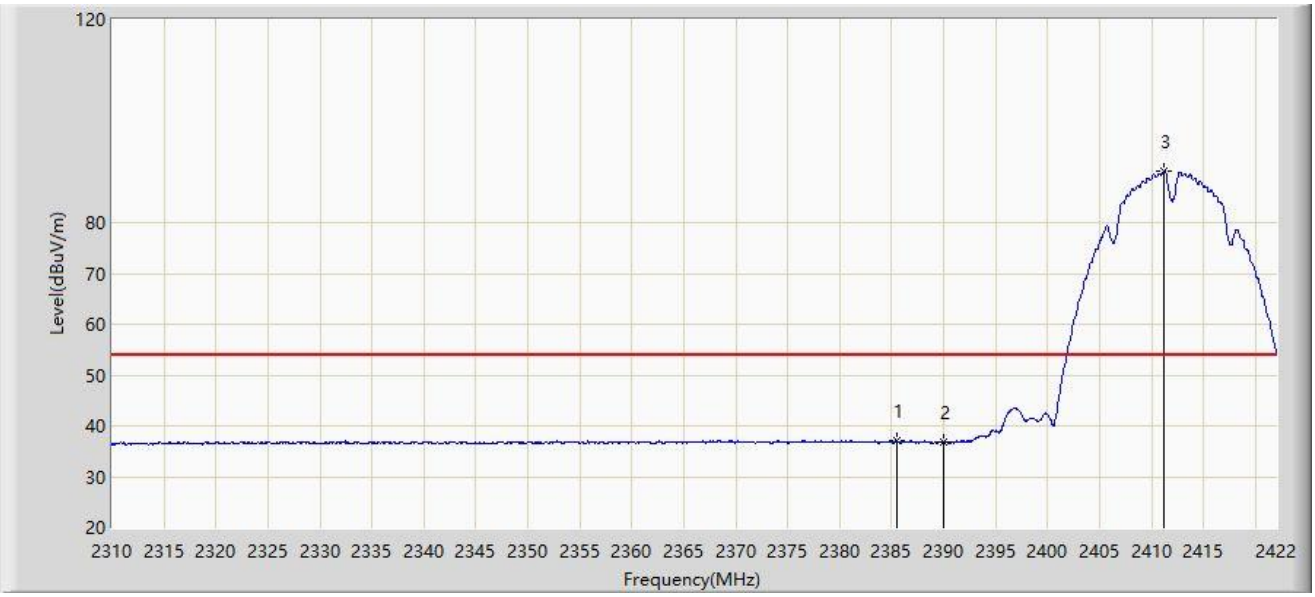
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	2381.064	57.822	26.350	-16.178	74.000	31.473	PK
2		2390.000	55.123	23.690	-18.877	74.000	31.433	PK
3		2411.080	92.707	61.345	N/A	N/A	31.362	PK

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-AC2	Test Date: 2022-09-18
Limit: FCC_Part15_15.209 RE(3m)	Engineer: Lucas Wang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: High Speed Smart 5G Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at 2412MHz	



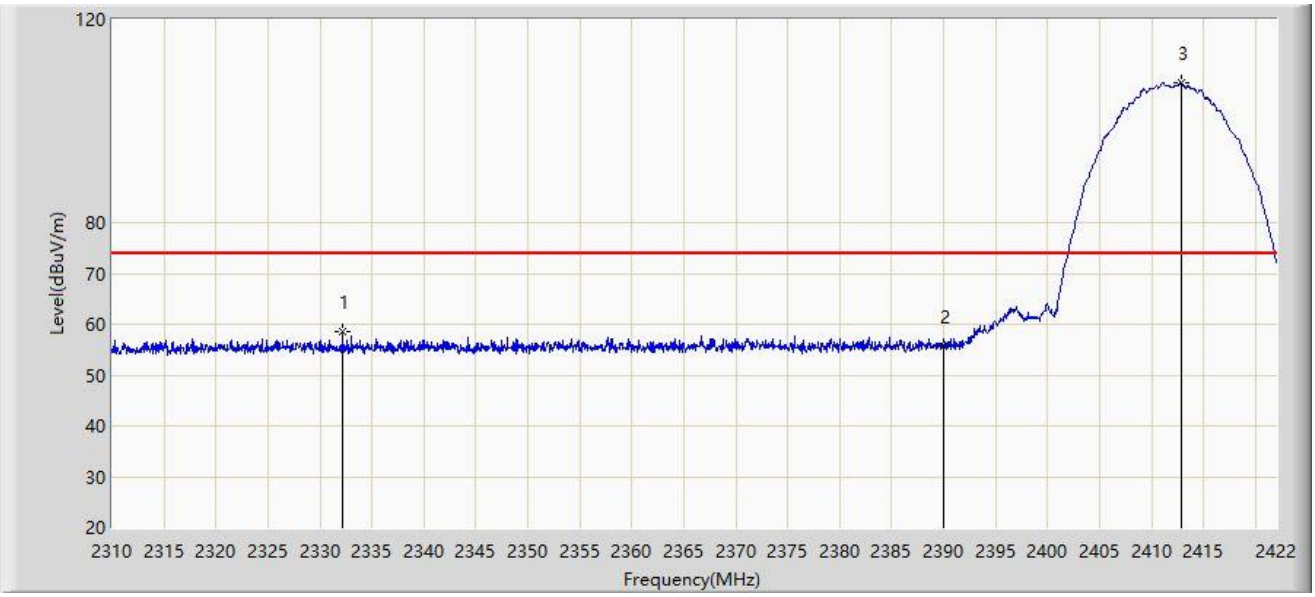
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	2385.488	37.050	5.594	-16.950	54.000	31.456	AV
2		2390.000	36.731	5.298	-17.269	54.000	31.433	AV
3		2411.192	90.094	58.733	N/A	N/A	31.361	AV

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-AC2	Test Date: 2022-09-18
Limit: FCC_Part15_15.209 RE(3m)	Engineer: Lucas Wang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: High Speed Smart 5G Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at 2412MHz	



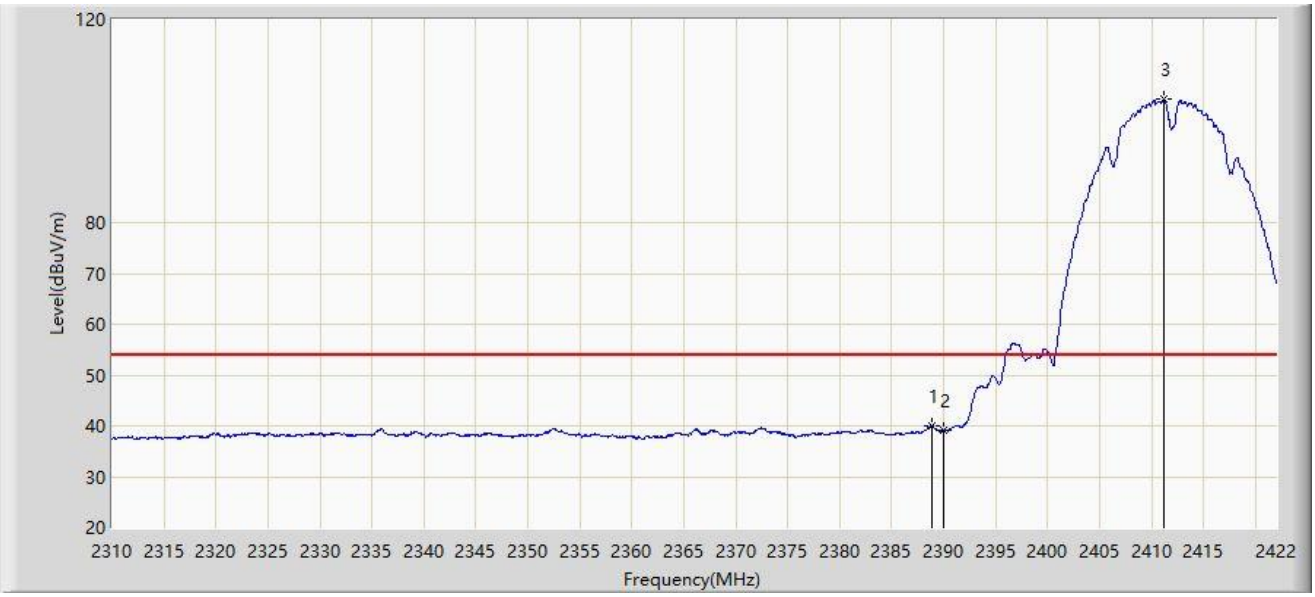
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	2332.176	58.464	26.887	-15.536	74.000	31.577	PK
2		2390.000	55.761	24.328	-18.239	74.000	31.433	PK
3		2412.816	107.494	76.137	N/A	N/A	31.357	PK

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-AC2	Test Date: 2022-09-18
Limit: FCC_Part15_15.209 RE(3m)	Engineer: Lucas Wang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: High Speed Smart 5G Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at 2412MHz	



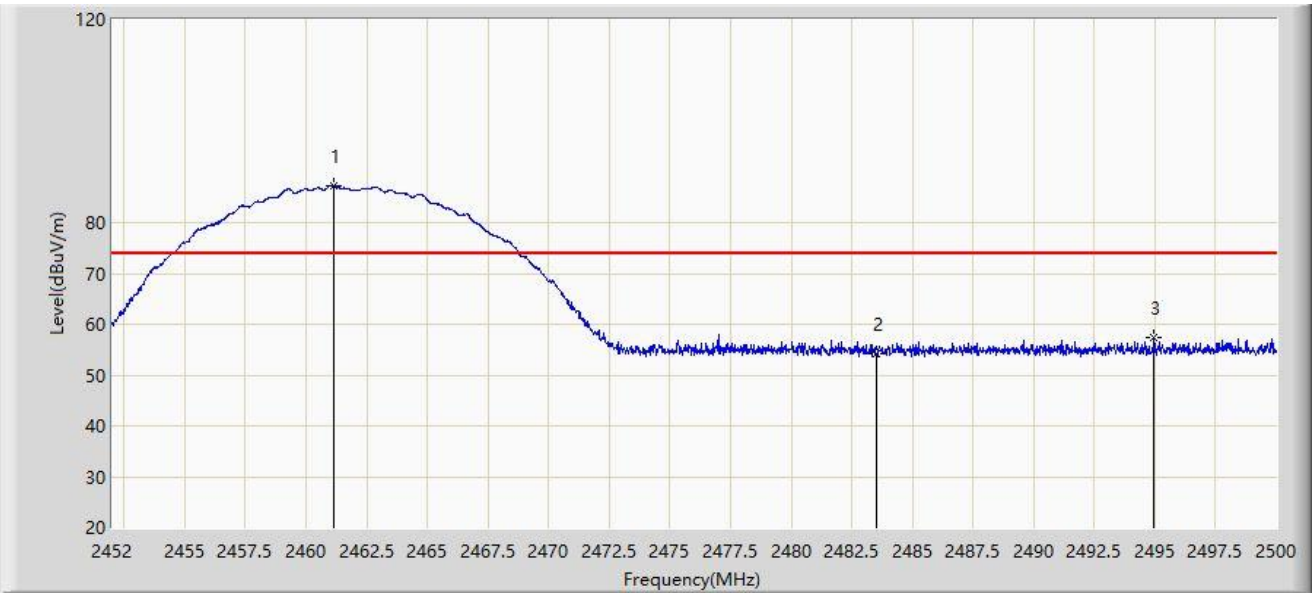
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	2388.848	40.044	8.605	-13.956	54.000	31.439	AV
2		2390.000	39.059	7.626	-14.941	54.000	31.433	AV
3		2411.136	104.434	73.073	N/A	N/A	31.362	AV

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-AC2	Test Date: 2022-09-18
Limit: FCC_Part15_15.209 RE(3m)	Engineer: Lucas Wang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: High Speed Smart 5G Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at 2462MHz	



No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		2461.120	87.373	56.041	N/A	N/A	31.332	PK
2		2483.500	54.328	23.013	-19.672	74.000	31.315	PK
3	*	2494.960	57.478	26.138	-16.522	74.000	31.340	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-AC2	Test Date: 2022-09-18
Limit: FCC_Part15_15.209 RE(3m)	Engineer: Lucas Wang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: High Speed Smart 5G Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at 2462MHz	

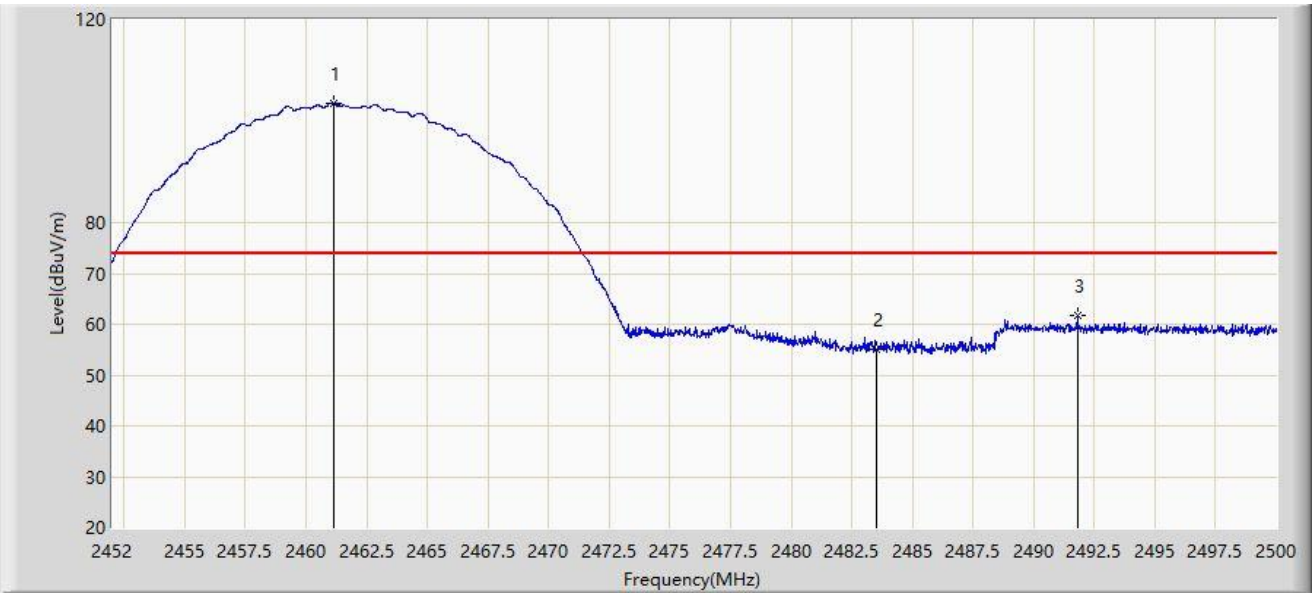
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		2461.264	84.893	53.562	N/A	N/A	31.331	AV
2		2483.500	36.434	5.119	-17.566	54.000	31.315	AV
3	*	2494.720	36.738	5.398	-17.262	54.000	31.340	AV

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-AC2	Test Date: 2022-09-18
Limit: FCC_Part15_15.209 RE(3m)	Engineer: Lucas Wang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: High Speed Smart 5G Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at 2462MHz	



No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		2461.144	103.605	72.274	N/A	N/A	31.332	PK
2		2483.500	54.988	23.673	-19.012	74.000	31.315	PK
3	*	2491.792	61.684	30.354	-12.316	74.000	31.330	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).

Site: WZ-AC2	Test Date: 2022-09-18
Limit: FCC_Part15_15.209 RE(3m)	Engineer: Lucas Wang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: High Speed Smart 5G Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at 2462MHz	

No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		2461.144	100.389	69.058	N/A	N/A	31.332	AV
2		2483.500	38.071	6.756	-15.929	54.000	31.315	AV
3	*	2495.872	40.561	9.218	-13.439	54.000	31.343	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).