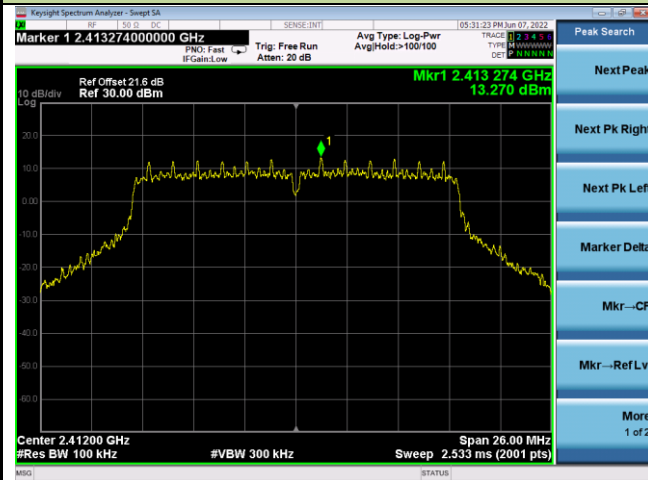


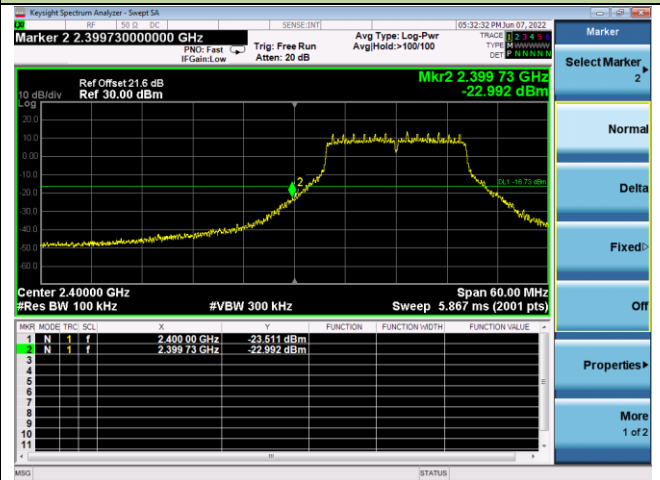
802.11g Out-of-Band Emissions - Ant 1

Channel 01 (2412MHz)

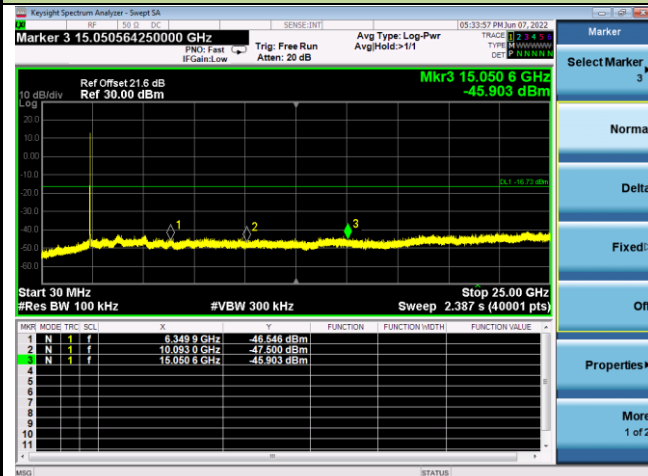
Reference Level



Low Band Edge



Spurious Emission

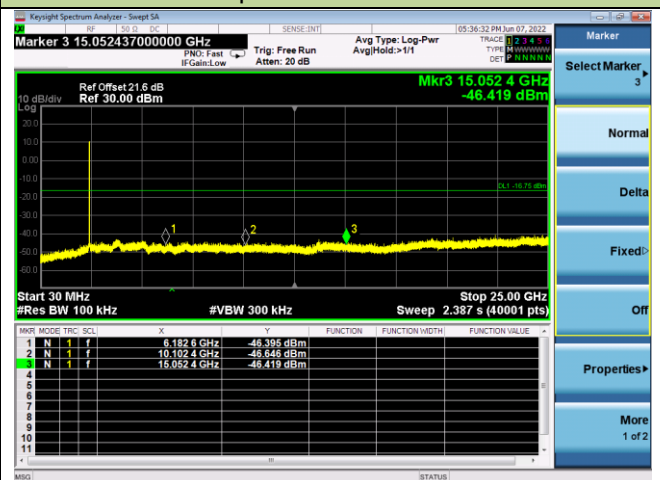


Channel 06 (2437MHz)

Reference Level



Spurious Emission





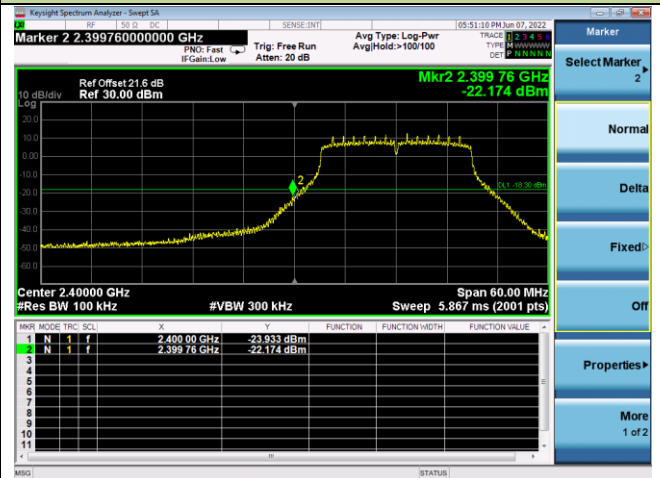
802.11n-HT20 Out-of-Band Emissions - Ant 1

Channel 01 (2412MHz)

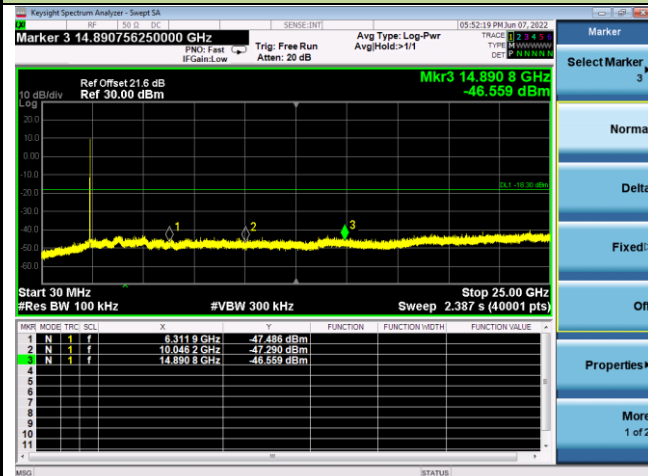
Reference Level



Low Band Edge

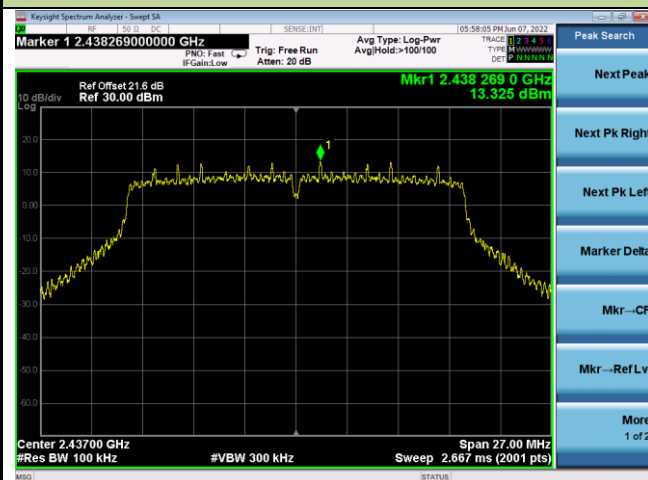


Spurious Emission

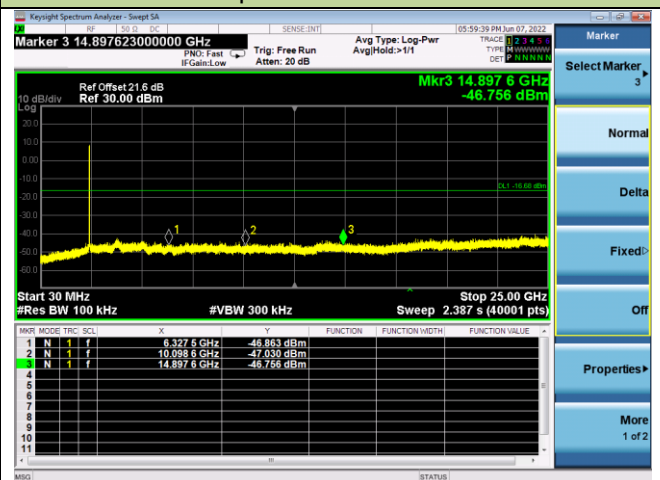


Channel 06 (2437MHz)

Reference Level



Spurious Emission

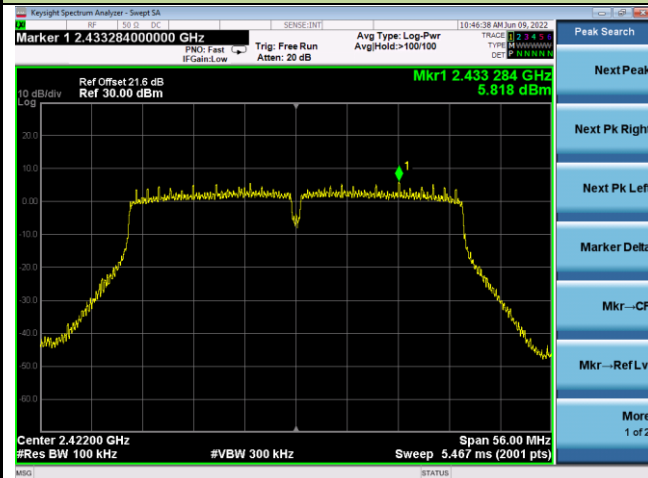




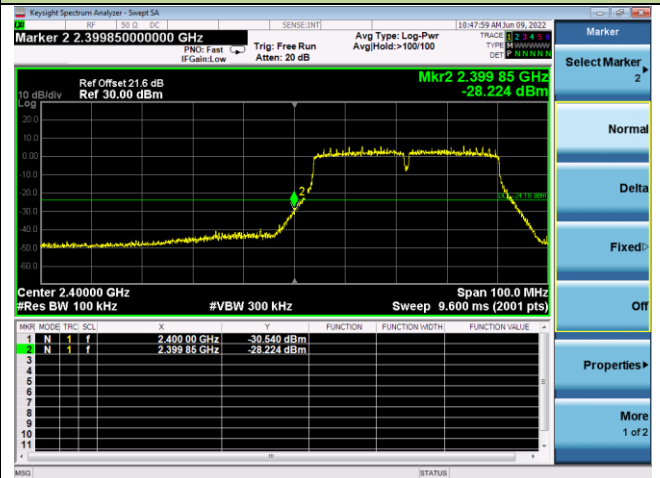
802.11n-HT40 Out-of-Band Emissions - Ant 1

Channel 01 (2422MHz)

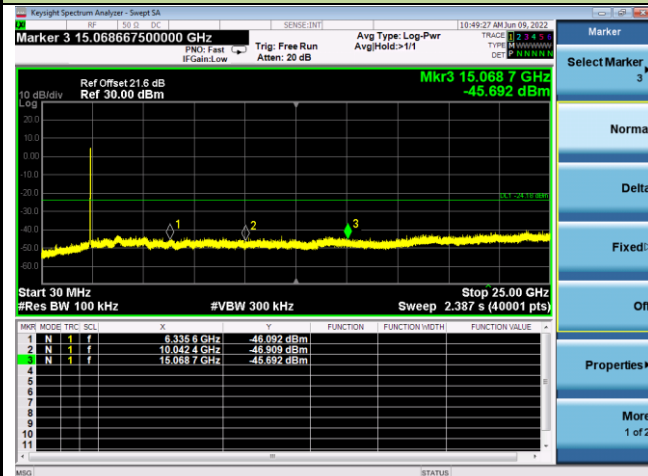
Reference Level



Low Band Edge

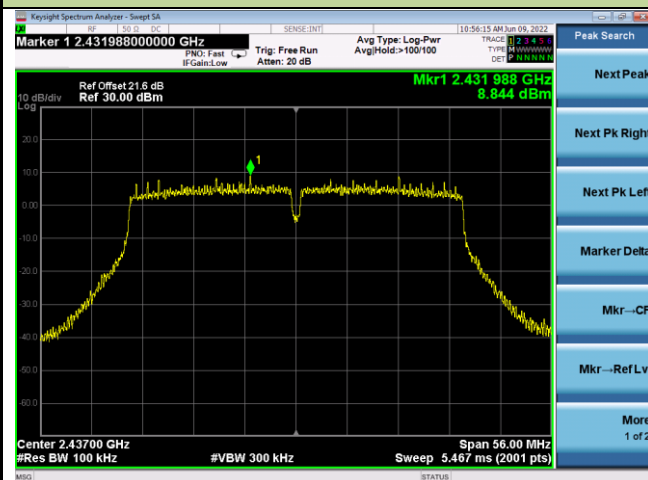


Spurious Emission

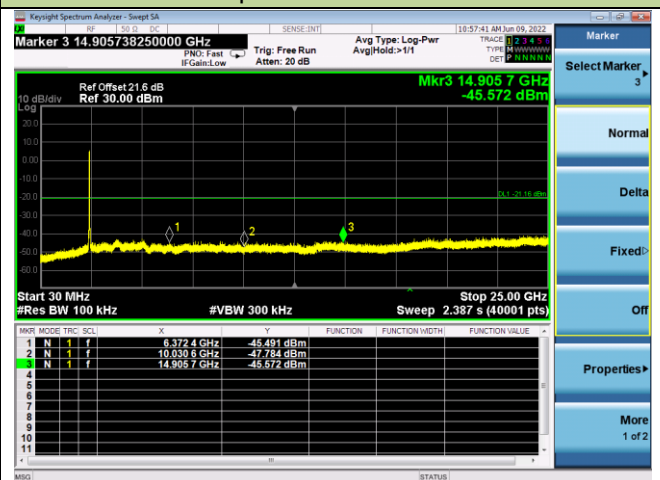


Channel 06 (2437MHz)

Reference Level



Spurious Emission

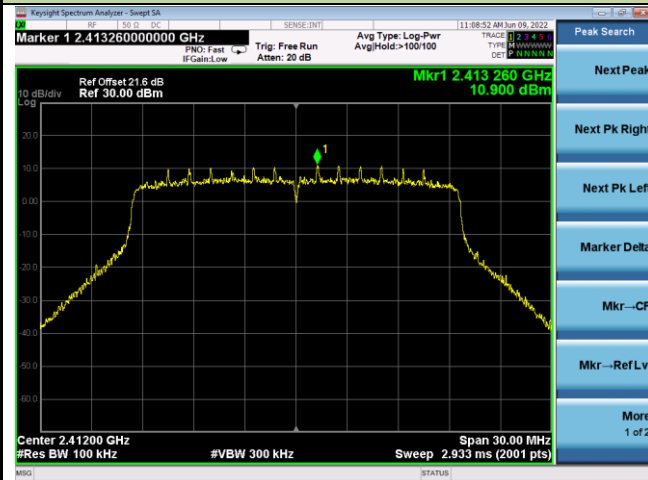




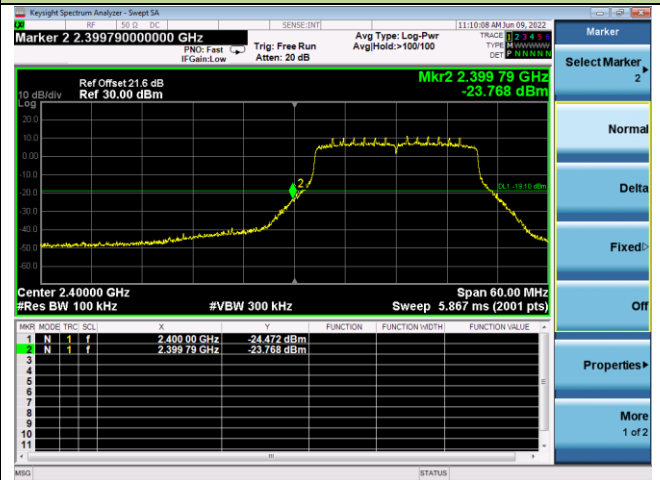
802.11ax-HE20 Out-of-Band Emissions - Ant 1

Channel 01 (2412MHz)

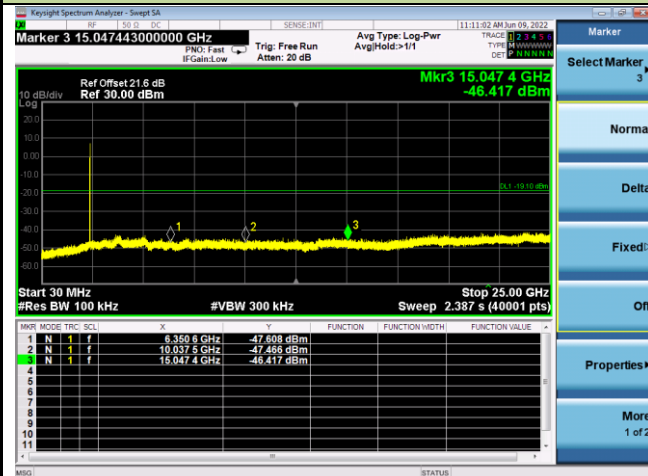
Reference Level



Low Band Edge

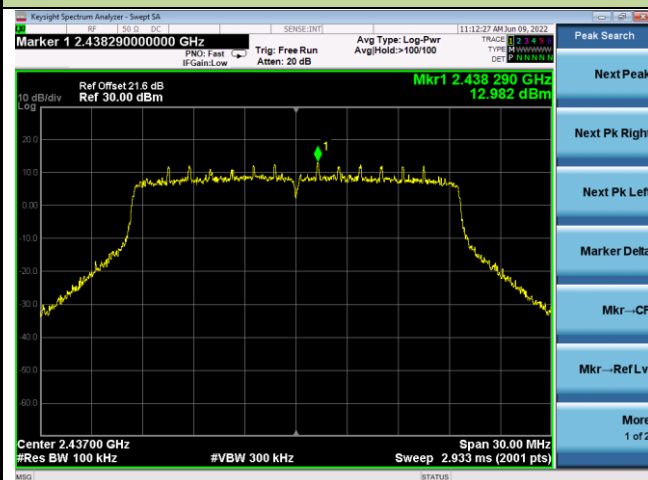


Spurious Emission

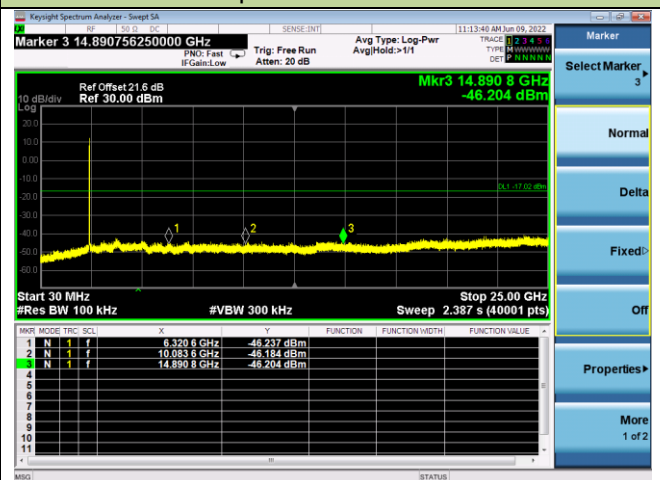


Channel 06 (2437MHz)

Reference Level



Spurious Emission





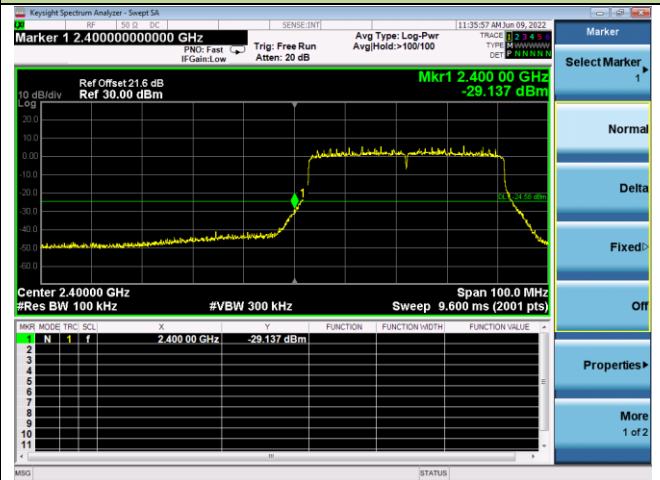
802.11ax-HE40 Out-of-Band Emissions - Ant 1

Channel 01 (2422MHz)

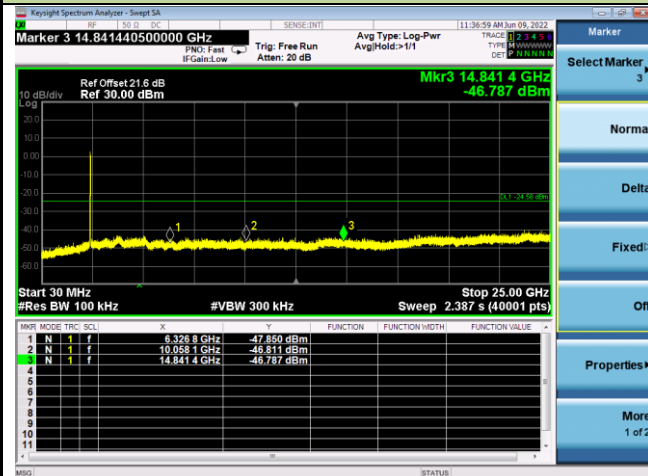
Reference Level



Low Band Edge

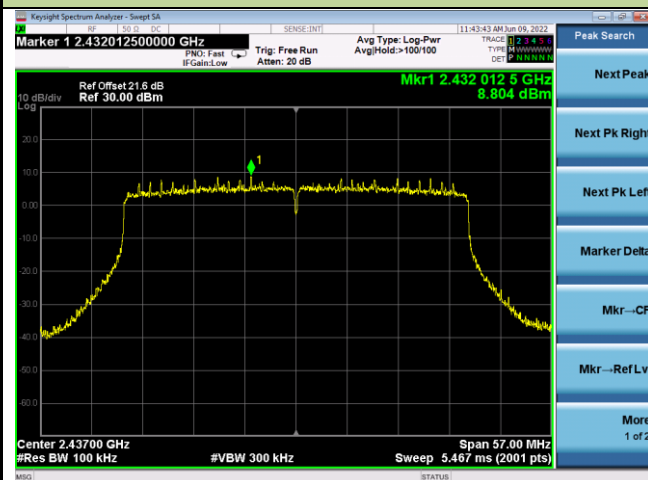


Spurious Emission

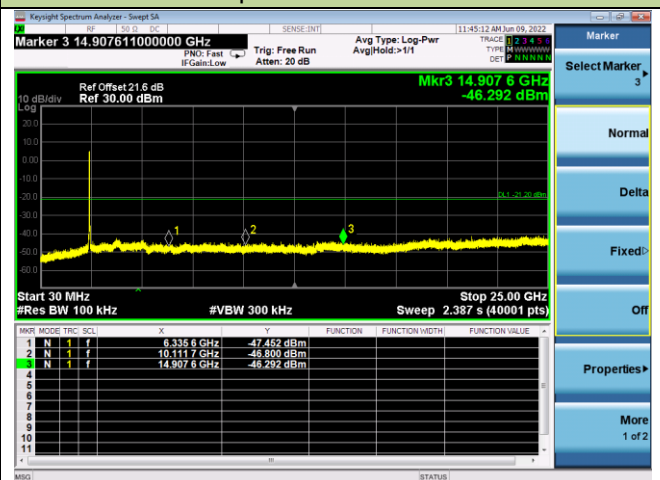


Channel 06 (2437MHz)

Reference Level



Spurious Emission





A.6 Radiated Spurious Emission Test Result

Test Site	NS-AC1	Test Engineer	Flag Yang
Test Date	2022-06-06	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	3932.500	38.4	-1.9	36.5	74.0	-37.5	Peak	Horizontal
	4944.000	36.1	1.6	37.7	74.0	-36.3	Peak	Horizontal
	11378.500	33.4	14.8	48.2	74.0	-25.8	Peak	Horizontal
	3949.500	36.9	-1.9	35.0	74.0	-39.0	Peak	Vertical
	4825.000	37.5	1.4	38.9	74.0	-35.1	Peak	Vertical
	11761.000	31.3	14.3	45.6	74.0	-28.4	Peak	Vertical
06	3847.500	36.0	-1.6	34.4	74.0	-39.6	Peak	Horizontal
	4774.000	34.9	1.7	36.6	74.0	-37.4	Peak	Horizontal
	7536.500	33.2	9.1	42.3	74.0	-31.7	Peak	Horizontal
	4094.000	36.3	-1.5	34.8	74.0	-39.2	Peak	Vertical
	4859.000	35.5	1.5	37.0	74.0	-37.0	Peak	Vertical
	7434.500	33.3	9.5	42.8	74.0	-31.2	Peak	Vertical
11	3847.500	36.0	-1.6	34.4	74.0	-39.6	Peak	Horizontal
	4901.500	35.5	1.2	36.7	74.0	-37.3	Peak	Horizontal
	7502.500	32.4	9.3	41.7	74.0	-32.3	Peak	Horizontal
	3847.500	36.7	-1.6	35.1	74.0	-38.9	Peak	Vertical
	4833.500	34.7	1.4	36.1	74.0	-37.9	Peak	Vertical
	7570.500	32.8	8.9	41.7	74.0	-32.3	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	NS-AC1	Test Engineer	Flag Yang
Test Date	2022-06-06	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	3864.500	36.1	-1.8	34.3	74.0	-39.7	Peak	Horizontal
	4876.000	35.4	1.5	36.9	74.0	-37.1	Peak	Horizontal
	7570.500	33.5	8.9	42.4	74.0	-31.6	Peak	Horizontal
	3745.500	36.6	-1.6	35.0	74.0	-39.0	Peak	Vertical
	4876.000	34.8	1.5	36.3	74.0	-37.7	Peak	Vertical
	7570.500	32.9	8.9	41.8	74.0	-32.2	Peak	Vertical
06	3813.500	37.0	-1.4	35.6	74.0	-38.4	Peak	Horizontal
	4816.500	34.2	1.4	35.6	74.0	-38.4	Peak	Horizontal
	7468.500	32.6	9.3	41.9	74.0	-32.1	Peak	Horizontal
	4026.000	35.0	-2.0	33.0	74.0	-41.0	Peak	Vertical
	4833.500	35.0	1.4	36.4	74.0	-37.6	Peak	Vertical
	7468.500	32.7	9.3	42.0	74.0	-32.0	Peak	Vertical
11	3915.500	35.6	-1.8	33.8	74.0	-40.2	Peak	Horizontal
	4859.000	35.6	1.5	37.1	74.0	-36.9	Peak	Horizontal
	7536.500	32.0	9.1	41.1	74.0	-32.9	Peak	Horizontal
	4009.000	37.1	-1.9	35.2	74.0	-38.8	Peak	Vertical
	4791.000	34.0	1.4	35.4	74.0	-38.6	Peak	Vertical
	7570.500	33.3	8.9	42.2	74.0	-31.8	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	NS-AC1	Test Engineer	Flag Yang
Test Date	2022-06-06	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	3881.500	36.4	-1.7	34.7	74.0	-39.3	Peak	Horizontal
	4689.000	34.5	1.7	36.2	74.0	-37.8	Peak	Horizontal
	7434.500	32.9	9.5	42.4	74.0	-31.6	Peak	Horizontal
	4153.500	34.3	-0.9	33.4	74.0	-40.6	Peak	Vertical
	4833.500	35.0	1.4	36.4	74.0	-37.6	Peak	Vertical
	7468.500	32.9	9.3	42.2	74.0	-31.8	Peak	Vertical
06	3847.500	35.2	-1.6	33.6	74.0	-40.4	Peak	Horizontal
	4901.500	35.9	1.2	37.1	74.0	-36.9	Peak	Horizontal
	7468.500	34.1	9.3	43.4	74.0	-30.6	Peak	Horizontal
	3779.500	35.9	-1.5	34.4	74.0	-39.6	Peak	Vertical
	4944.000	35.4	1.6	37.0	74.0	-37.0	Peak	Vertical
	7468.500	33.1	9.3	42.4	74.0	-31.6	Peak	Vertical
11	3762.500	36.2	-1.6	34.6	74.0	-39.4	Peak	Horizontal
	4748.500	34.3	1.7	36.0	74.0	-38.0	Peak	Horizontal
	7536.500	32.3	9.1	41.4	74.0	-32.6	Peak	Horizontal
	3728.500	35.9	-1.5	34.4	74.0	-39.6	Peak	Vertical
	4689.000	34.7	1.7	36.4	74.0	-37.6	Peak	Vertical
	7468.500	33.6	9.3	42.9	74.0	-31.1	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	NS-AC1	Test Engineer	Flag Yang
Test Date	2022-06-06	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	3949.500	37.7	-1.9	35.8	74.0	-38.2	Peak	Horizontal
	4731.500	33.8	1.5	35.3	74.0	-38.7	Peak	Horizontal
	7468.500	32.7	9.3	42.0	74.0	-32.0	Peak	Horizontal
	3864.500	36.0	-1.8	34.2	74.0	-39.8	Peak	Vertical
	4791.000	35.4	1.4	36.8	74.0	-37.2	Peak	Vertical
	7536.500	32.3	9.1	41.4	74.0	-32.6	Peak	Vertical
06	3864.500	36.9	-1.8	35.1	74.0	-38.9	Peak	Horizontal
	4731.500	34.0	1.5	35.5	74.0	-38.5	Peak	Horizontal
	7400.500	33.1	9.4	42.5	74.0	-31.5	Peak	Horizontal
	4009.000	37.3	-1.9	35.4	74.0	-38.6	Peak	Vertical
	4876.000	35.7	1.5	37.2	74.0	-36.8	Peak	Vertical
	7468.500	33.5	9.3	42.8	74.0	-31.2	Peak	Vertical
09	3975.000	37.5	-1.9	35.6	74.0	-38.4	Peak	Horizontal
	4816.500	34.6	1.4	36.0	74.0	-38.0	Peak	Horizontal
	7502.500	32.2	9.3	41.5	74.0	-32.5	Peak	Horizontal
	4094.000	34.8	-1.5	33.3	74.0	-40.7	Peak	Vertical
	4774.000	34.7	1.7	36.4	74.0	-37.6	Peak	Vertical
	7434.500	34.3	9.5	43.8	74.0	-30.2	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	NS-AC1	Test Engineer	Flag Yang
Test Date	2022-06-06	Test Mode:	802.11ax-HE20
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	3796.500	35.5	-1.5	34.0	74.0	-40.0	Peak	Horizontal
	4774.000	35.3	1.7	37.0	74.0	-37.0	Peak	Horizontal
	7366.500	33.4	9.3	42.7	74.0	-31.3	Peak	Horizontal
	4026.000	36.4	-2.0	34.4	74.0	-39.6	Peak	Vertical
	4706.000	34.3	1.5	35.8	74.0	-38.2	Peak	Vertical
	7502.500	32.8	9.3	42.1	74.0	-31.9	Peak	Vertical
06	4026.000	37.5	-2.0	35.5	74.0	-38.5	Peak	Horizontal
	4731.500	34.3	1.5	35.8	74.0	-38.2	Peak	Horizontal
	7434.500	33.0	9.5	42.5	74.0	-31.5	Peak	Horizontal
	3796.500	36.8	-1.5	35.3	74.0	-38.7	Peak	Vertical
	4876.000	35.9	1.5	37.4	74.0	-36.6	Peak	Vertical
	7638.500	33.1	8.8	41.9	74.0	-32.1	Peak	Vertical
11	4026.000	36.4	-2.0	34.4	74.0	-39.6	Peak	Horizontal
	4731.500	33.7	1.5	35.2	74.0	-38.8	Peak	Horizontal
	7502.500	32.5	9.3	41.8	74.0	-32.2	Peak	Horizontal
	4060.000	36.1	-1.6	34.5	74.0	-39.5	Peak	Vertical
	4791.000	35.6	1.4	37.0	74.0	-37.0	Peak	Vertical
	7468.500	33.3	9.3	42.6	74.0	-31.4	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	NS-AC1	Test Engineer	Flag Yang
Test Date	2022-06-06	Test Mode:	802.11ax-HE40
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.		

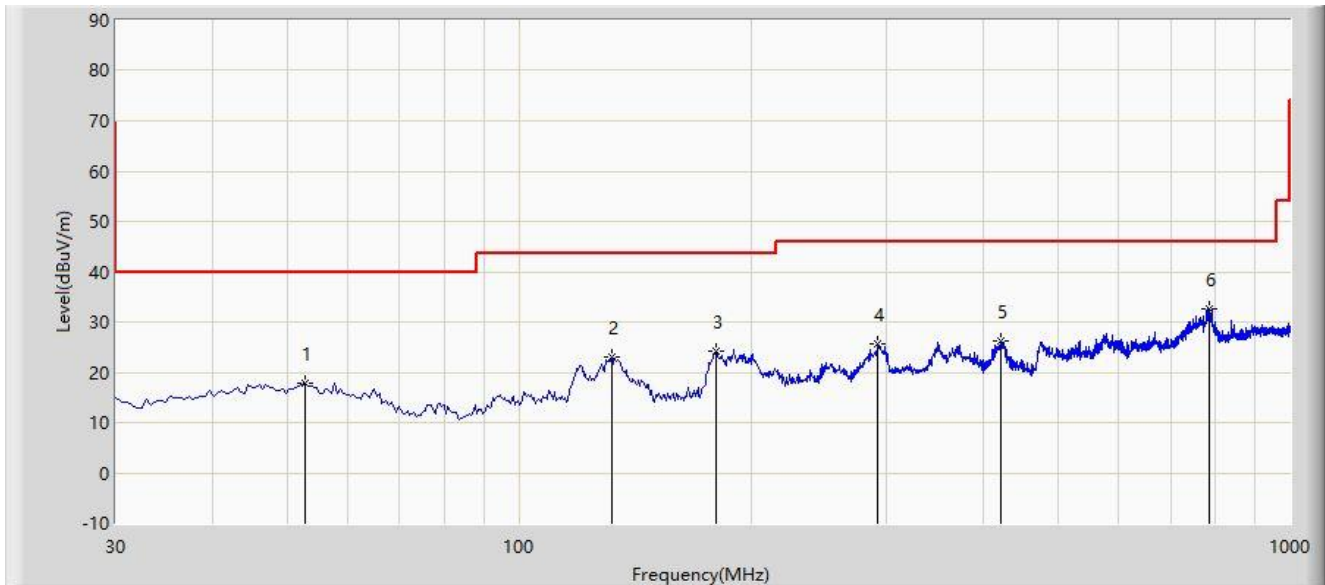
Test Channel	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
03	4323.500	37.4	-0.2	37.2	74.0	-36.8	Peak	Horizontal
	4901.500	36.0	1.2	37.2	74.0	-36.8	Peak	Horizontal
	7502.500	32.8	9.3	42.1	74.0	-31.9	Peak	Horizontal
	4119.500	36.2	-1.2	35.0	74.0	-39.0	Peak	Vertical
	4927.000	36.8	1.4	38.2	74.0	-35.8	Peak	Vertical
	7366.500	33.8	9.3	43.1	74.0	-30.9	Peak	Vertical
06	3864.500	36.6	-1.8	34.8	74.0	-39.2	Peak	Horizontal
	4791.000	35.3	1.4	36.7	74.0	-37.3	Peak	Horizontal
	7468.500	33.3	9.3	42.6	74.0	-31.4	Peak	Horizontal
	3949.500	37.6	-1.9	35.7	74.0	-38.3	Peak	Vertical
	4689.000	35.3	1.7	37.0	74.0	-37.0	Peak	Vertical
	7638.500	33.3	8.8	42.1	74.0	-31.9	Peak	Vertical
09	4077.000	36.2	-1.6	34.6	74.0	-39.4	Peak	Horizontal
	4621.000	36.1	1.5	37.6	74.0	-36.4	Peak	Horizontal
	7468.500	32.9	9.3	42.2	74.0	-31.8	Peak	Horizontal
	3898.500	37.8	-1.8	36.0	74.0	-38.0	Peak	Vertical
	4927.000	36.1	1.4	37.5	74.0	-36.5	Peak	Vertical
	7502.500	32.0	9.3	41.3	74.0	-32.7	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 Worst-Case Result of Radiated Emission below 1GHz:

Site: NS-AC1	Test Date: 2022-06-09
Limit: FCC_Part15.209_RE(3m)	Engineer: Flag Yang
Probe: NS-AC1_VULB9162	Polarity: Horizontal
EUT: Wireless 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		52.795	17.757	0.361	-22.243	40.000	17.396	PK
2		131.850	22.925	10.850	-20.575	43.500	12.076	PK
3		179.865	24.231	11.100	-19.269	43.500	13.132	PK
4		292.385	25.534	8.634	-20.466	46.000	16.900	PK
5		420.910	26.111	6.370	-19.889	46.000	19.740	PK
6	*	784.660	32.722	7.052	-13.278	46.000	25.670	PK

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Note 2: QP measurement was not performed when peak measure level was lower than the QP limit.

Note 3: 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.