

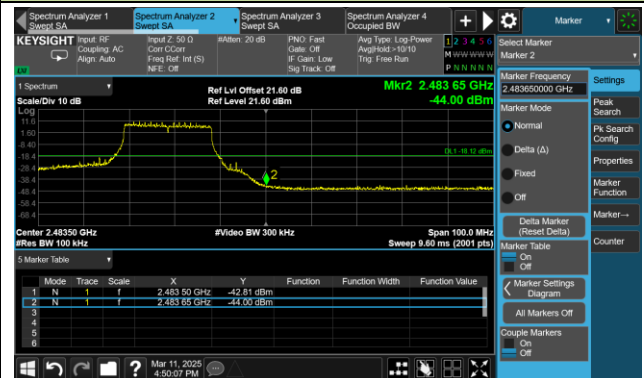
802.11ax-HE20 Out-of-Band Emissions – Ant 3

Channel 11 (2462MHz)

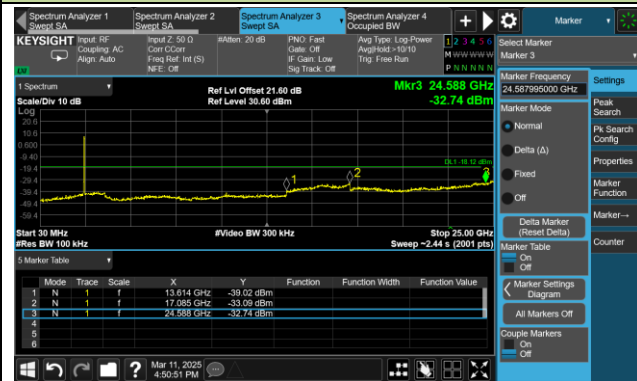
Reference Level



High Band Edge



Spurious Emission



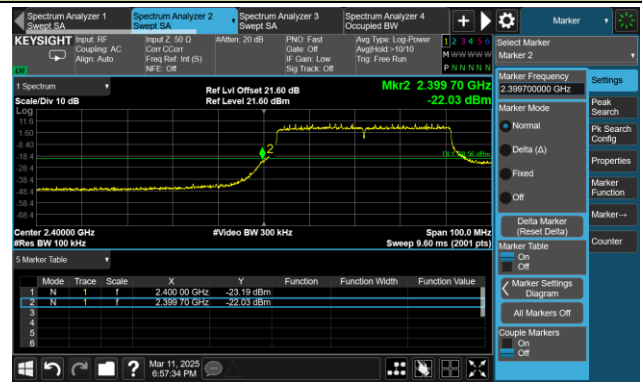
802.11ax-HE40 Out-of-Band Emissions – Ant 3

Channel 03 (2422MHz)

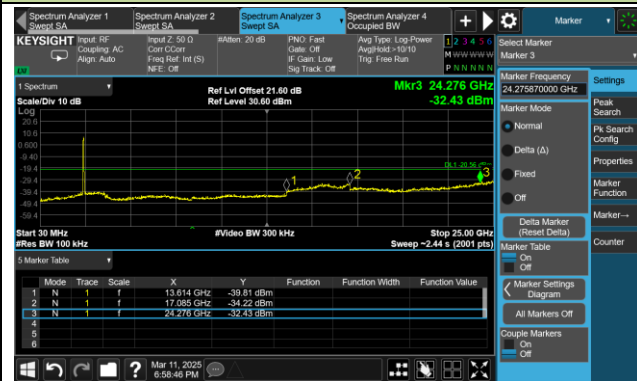
Reference Level



Low Band Edge

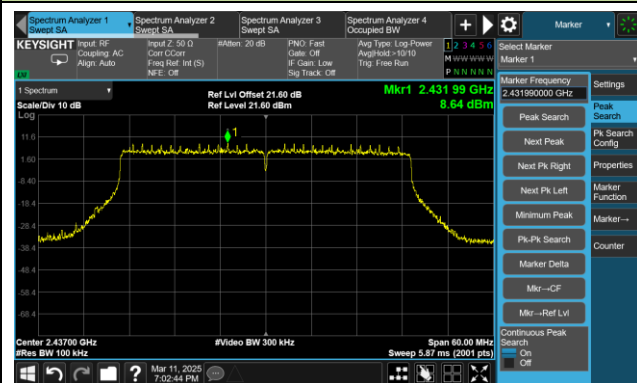


Spurious Emission

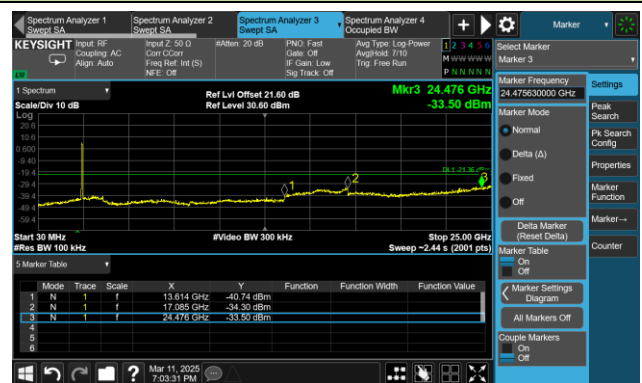


Channel 06 (2437MHz)

Reference Level



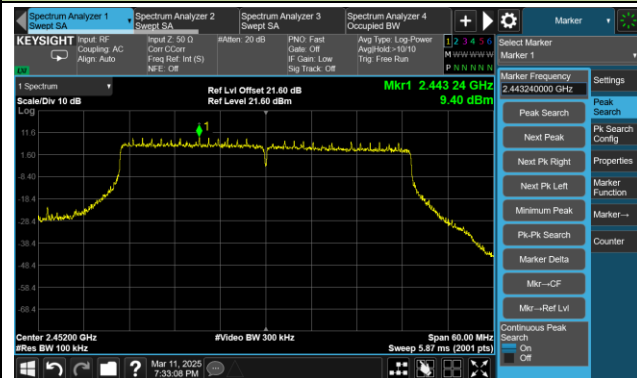
Spurious Emission



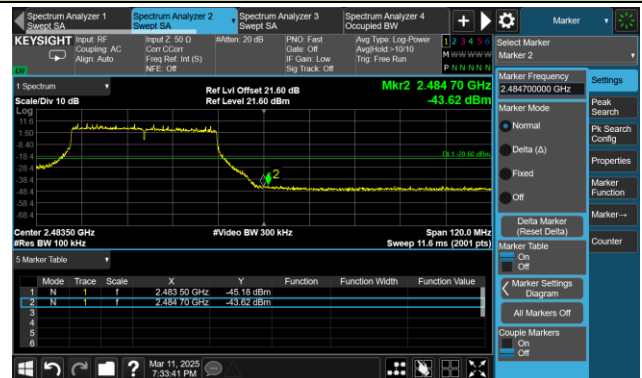
802.11ax-HE40 Out-of-Band Emissions – Ant 3

Channel 09 (2452MHz)

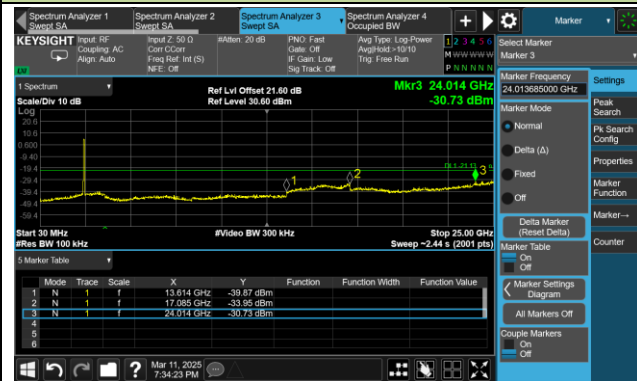
Reference Level



High Band Edge



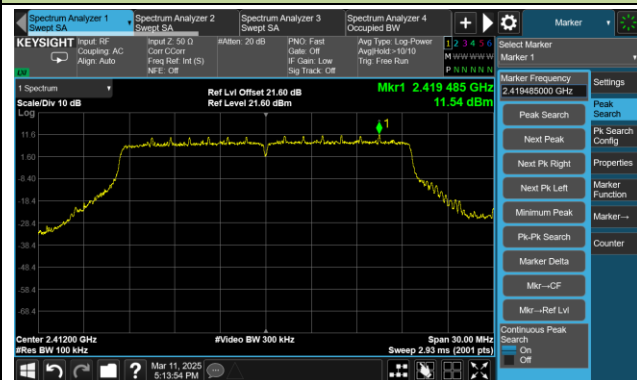
Spurious Emission



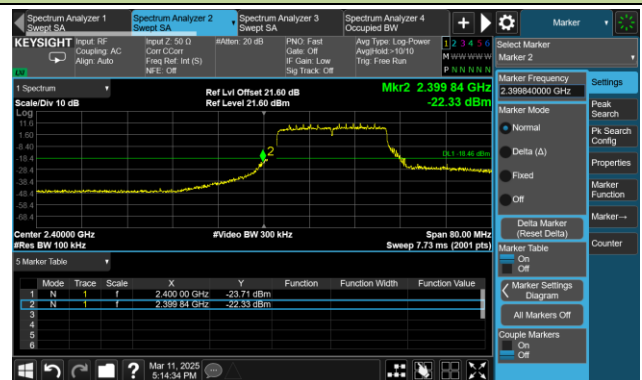
802.11be-EHT20 Out-of-Band Emissions – Ant 3

Channel 01 (2412MHz)

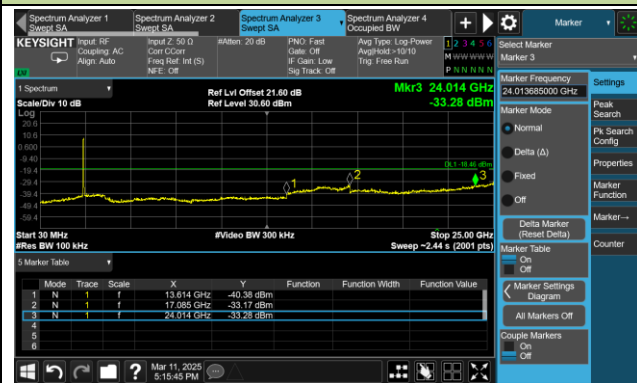
Reference Level



Low Band Edge



Spurious Emission



Channel 06 (2437MHz)

Reference Level



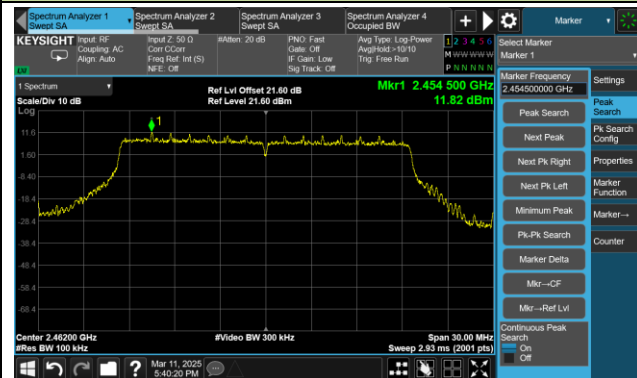
Spurious Emission



802.11 be-EHT20 Out-of-Band Emissions – Ant 3

Channel 11 (2462MHz)

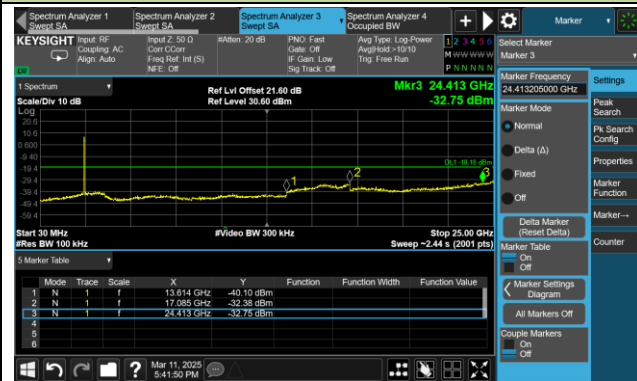
Reference Level



High Band Edge



Spurious Emission



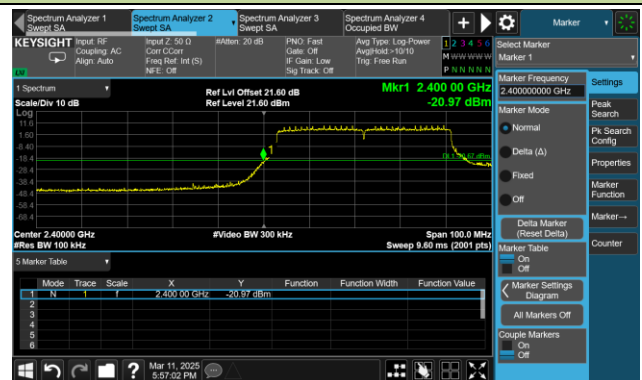
802.11 be-EHT40 Out-of-Band Emissions – Ant 3

Channel 03 (2422MHz)

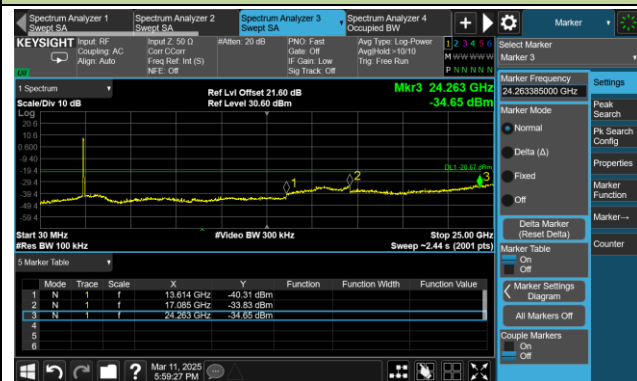
Reference Level



Low Band Edge

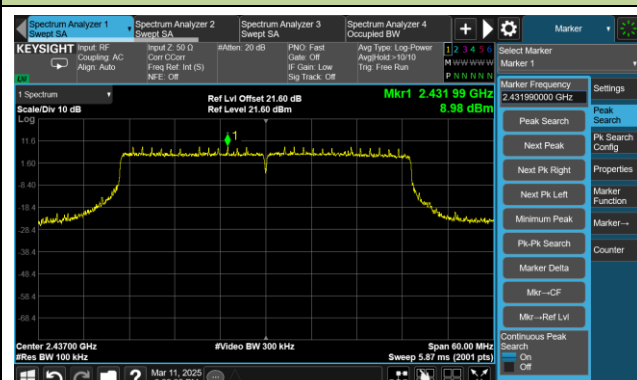


Spurious Emission

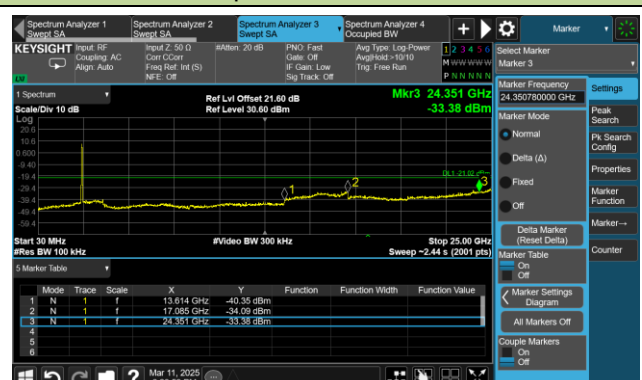


Channel 06 (2437MHz)

Reference Level



Spurious Emission



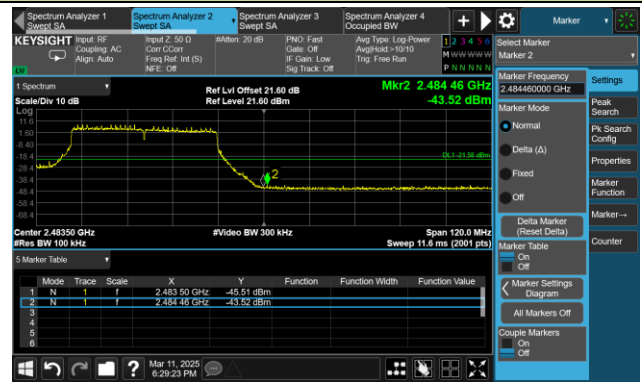
802.11 be-EHT40 Out-of-Band Emissions – Ant 3

Channel 09 (2452MHz)

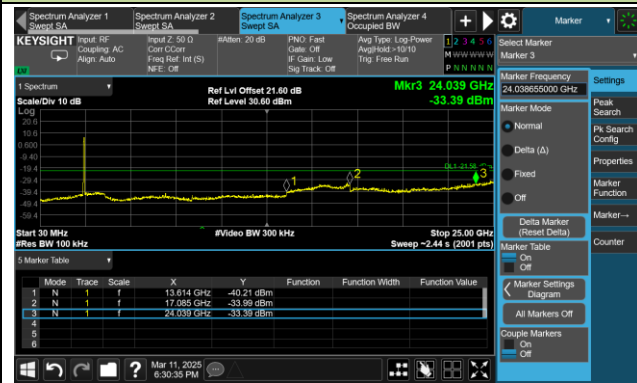
Reference Level



High Band Edge



Spurious Emission



A.6 Radiated Spurious Emission Test Result

Test Site	SIP-AC3	Test Engineer	Justin Guo
Test Date	2025-02-15	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	4823.3	61.6	-6.7	54.9	74.0	-19.1	Peak	Horizontal
	4823.3	60.4	-6.7	53.7	54.0	-0.3	Average	Horizontal
	15750.9	45.4	5.0	50.4	74.0	-23.6	Peak	Horizontal
	17983.0	44.4	10.8	55.2	74.0	-18.8	Peak	Horizontal
	17983.0	32.2	10.8	43.0	54.0	-11.0	Average	Horizontal
	4823.3	56.5	-6.7	49.8	74.0	-24.2	Peak	Vertical
	15711.8	44.6	5.9	50.5	74.0	-23.5	Peak	Vertical
	17979.6	43.6	10.7	54.3	74.0	-19.7	Peak	Vertical
	17979.6	32.1	10.7	42.8	54.0	-11.2	Average	Vertical
06	4874.3	61.2	-6.4	54.8	74.0	-19.2	Peak	Horizontal
	4874.3	59.9	-6.4	53.5	54.0	-0.5	Average	Horizontal
	7312.1	54.4	-5.2	49.2	74.0	-24.8	Peak	Horizontal
	11370.0	48.6	-1.3	47.3	74.0	-26.7	Peak	Horizontal
	4874.3	57.3	-6.4	50.9	74.0	-23.1	Peak	Vertical
	7312.1	53.6	-5.2	48.4	74.0	-25.6	Peak	Vertical
	11572.3	47.4	-1.3	46.1	74.0	-27.9	Peak	Vertical
11	4923.6	60.8	-6.4	54.4	74.0	-19.6	Peak	Horizontal
	4923.6	59.5	-6.4	53.1	54.0	-0.9	Average	Horizontal
	11721.9	48.0	-1.7	46.3	74.0	-27.7	Peak	Horizontal
	15688.0	45.3	5.6	50.9	74.0	-23.1	Peak	Horizontal
	4923.6	57.0	-6.4	50.6	74.0	-23.4	Peak	Vertical
	11801.8	47.7	-1.6	46.1	74.0	-27.9	Peak	Vertical
	15623.4	45.3	5.1	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	SIP-AC3	Test Engineer	Justin Guo
Test Date	2025-02-15	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	4813.1	57.4	-6.7	50.7	74.0	-23.3	Peak	Horizontal
	11470.3	48.0	-1.7	46.3	74.0	-27.7	Peak	Horizontal
	15937.9	44.9	5.6	50.5	74.0	-23.5	Peak	Horizontal
	4831.8	52.5	-6.6	45.9	74.0	-28.1	Peak	Vertical
	12458.0	47.3	-0.6	46.7	74.0	-27.3	Peak	Vertical
	15703.3	44.2	6.1	50.3	74.0	-23.7	Peak	Vertical
06	4884.5	61.8	-6.5	55.3	74.0	-18.7	Peak	Horizontal
	4884.5	51.7	-6.5	45.2	54.0	-8.8	Average	Horizontal
	7313.8	60.6	-5.2	55.4	74.0	-18.6	Peak	Horizontal
	7313.8	50.5	-5.2	45.3	54.0	-8.7	Average	Horizontal
	15739.0	44.7	5.4	50.1	74.0	-23.9	Peak	Horizontal
	4869.2	59.0	-6.5	52.5	74.0	-21.5	Peak	Vertical
	4869.2	47.7	-6.5	41.2	54.0	-12.8	Average	Vertical
	7308.7	60.4	-5.2	55.2	74.0	-18.8	Peak	Vertical
	7308.7	51.1	-5.2	45.9	54.0	-8.1	Average	Vertical
	15783.2	44.8	5.4	50.2	74.0	-23.8	Peak	Vertical
11	4925.3	66.1	-6.4	59.7	74.0	-14.3	Peak	Horizontal
	4925.3	55.1	-6.4	48.7	54.0	-5.3	Average	Horizontal
	7385.2	60.6	-5.1	55.5	74.0	-18.5	Peak	Horizontal
	7385.2	47.6	-5.1	42.5	54.0	-11.5	Average	Horizontal
	12141.8	47.9	-1.5	46.4	74.0	-27.6	Peak	Horizontal
	4925.3	59.7	-6.4	53.3	74.0	-20.7	Peak	Vertical
	4925.3	52.8	-6.4	46.4	54.0	-7.6	Average	Vertical
	7395.4	55.8	-5.1	50.7	74.0	-23.3	Peak	Vertical
	11725.3	47.6	-1.7	45.9	74.0	-28.1	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	SIP-AC3	Test Engineer	Justin Guo
Test Date	2025-02-15	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	4809.7	58.1	-6.7	51.4	74.0	-22.6	Peak	Horizontal
	4809.7	48.8	-6.7	42.1	54.0	-11.9	Average	Horizontal
	11806.9	48.0	-1.6	46.4	74.0	-27.6	Peak	Horizontal
	15992.3	45.2	5.6	50.8	74.0	-23.2	Peak	Horizontal
	4811.4	53.6	-6.7	46.9	74.0	-27.1	Peak	Vertical
	11507.7	47.7	-1.5	46.2	74.0	-27.8	Peak	Vertical
	15929.4	45.2	5.7	50.9	74.0	-23.1	Peak	Vertical
06	4877.7	61.5	-6.4	55.1	74.0	-18.9	Peak	Horizontal
	4877.7	53.0	-6.4	46.6	54.0	-7.4	Average	Horizontal
	7310.4	60.9	-5.2	55.7	74.0	-18.3	Peak	Horizontal
	7310.4	50.2	-5.2	45.0	54.0	-9.0	Average	Horizontal
	11903.8	48.3	-1.8	46.5	74.0	-27.5	Peak	Horizontal
	4870.9	57.7	-6.5	51.2	74.0	-22.8	Peak	Vertical
	4870.9	50.0	-6.5	43.5	54.0	-10.5	Average	Vertical
	7310.4	58.8	-5.2	53.6	74.0	-20.4	Peak	Vertical
	7310.4	50.3	-5.2	45.1	54.0	-8.9	Average	Vertical
	12162.2	47.6	-1.3	46.3	74.0	-27.7	Peak	Vertical
11	4927.0	63.7	-6.4	57.3	74.0	-16.7	Peak	Horizontal
	4927.0	54.7	-6.4	48.3	54.0	-5.7	Average	Horizontal
	7383.5	56.7	-5.1	51.6	74.0	-22.4	Peak	Horizontal
	7383.5	48.3	-5.1	43.2	54.0	-10.8	Average	Horizontal
	12226.8	48.0	-1.4	46.6	74.0	-27.4	Peak	Horizontal
	4925.3	58.6	-6.4	52.2	74.0	-21.8	Peak	Vertical
	4925.3	50.2	-6.4	43.8	54.0	-10.2	Average	Vertical
	7385.2	54.3	-5.1	49.2	74.0	-24.8	Peak	Vertical
	11205.1	47.4	-1.6	45.8	74.0	-28.2	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	SIP-AC3	Test Engineer	Justin Guo
Test Date	2025-02-15	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	4867.5	54.2	-6.5	47.7	74.0	-26.3	Peak	Horizontal
	7284.9	53.8	-5.2	48.6	74.0	-25.4	Peak	Horizontal
	11052.1	47.7	-1.2	46.5	74.0	-27.5	Peak	Horizontal
	7284.9	51.6	-5.2	46.4	74.0	-27.6	Peak	Vertical
	11721.9	47.8	-1.7	46.1	74.0	-27.9	Peak	Vertical
	15824.0	44.8	6.0	50.8	74.0	-23.2	Peak	Vertical
06	4877.7	60.5	-6.4	54.1	74.0	-19.9	Peak	Horizontal
	4877.7	51.6	-6.4	45.2	54.0	-8.8	Average	Horizontal
	7312.1	57.2	-5.2	52.0	74.0	-22.0	Peak	Horizontal
	7312.1	48.8	-5.2	43.6	54.0	-10.4	Average	Horizontal
	12186.0	47.9	-1.4	46.5	74.0	-27.5	Peak	Horizontal
	4869.2	56.3	-6.5	49.8	74.0	-24.2	Peak	Vertical
	7308.7	56.5	-5.2	51.3	74.0	-22.7	Peak	Vertical
	7308.7	48.4	-5.2	43.2	54.0	-10.8	Average	Vertical
	11890.2	48.1	-1.7	46.4	74.0	-27.6	Peak	Vertical
09	4908.3	57.2	-6.4	50.8	74.0	-23.2	Peak	Horizontal
	7334.2	53.8	-5.2	48.6	74.0	-25.4	Peak	Horizontal
	11975.2	48.0	-1.8	46.2	74.0	-27.8	Peak	Horizontal
	4923.6	54.6	-6.4	48.2	74.0	-25.8	Peak	Vertical
	7334.2	51.0	-5.2	45.8	74.0	-28.2	Peak	Vertical
	11684.5	47.2	-1.5	45.7	74.0	-28.3	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	SIP-AC3	Test Engineer	Justin Guo
Test Date	2025-02-15	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	4809.7	56.3	-6.7	49.6	74.0	-24.4	Peak	Horizontal
	11257.8	47.5	-1.4	46.1	74.0	-27.9	Peak	Horizontal
	15841.0	44.1	6.0	50.1	74.0	-23.9	Peak	Horizontal
	4811.4	52.4	-6.7	45.7	74.0	-28.3	Peak	Vertical
	12571.9	47.5	-0.7	46.8	74.0	-27.2	Peak	Vertical
	15817.2	44.7	5.9	50.6	74.0	-23.4	Peak	Vertical
06	4887.9	62.1	-6.6	55.5	74.0	-18.5	Peak	Horizontal
	4887.9	52.9	-6.6	46.3	54.0	-7.7	Average	Horizontal
	7312.1	58.6	-5.2	53.4	74.0	-20.6	Peak	Horizontal
	7312.1	49.5	-5.2	44.3	54.0	-9.7	Average	Horizontal
	11069.1	47.6	-1.5	46.1	74.0	-27.9	Peak	Horizontal
	4886.2	58.5	-6.5	52.0	74.0	-22.0	Peak	Vertical
	4886.2	49.1	-6.5	42.6	54.0	-11.4	Average	Vertical
	7312.1	57.5	-5.2	52.3	74.0	-21.7	Peak	Vertical
	7312.1	51.0	-5.2	45.8	54.0	-8.2	Average	Vertical
	11393.8	47.8	-1.6	46.2	74.0	-27.8	Peak	Vertical
11	4925.3	63.6	-6.4	57.2	74.0	-16.8	Peak	Horizontal
	4925.3	53.2	-6.4	46.8	54.0	-7.2	Average	Horizontal
	7386.9	56.8	-5.1	51.7	74.0	-22.3	Peak	Horizontal
	7386.9	46.5	-5.1	41.4	54.0	-12.6	Average	Horizontal
	11560.4	47.5	-1.4	46.1	74.0	-27.9	Peak	Horizontal
	4927.0	60.5	-6.4	54.1	74.0	-19.9	Peak	Vertical
	4927.0	50.7	-6.4	44.3	54.0	-9.7	Average	Vertical
	7383.5	54.6	-5.1	49.5	74.0	-24.5	Peak	Vertical
	11759.3	48.5	-1.9	46.6	74.0	-27.4	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	SIP-AC3	Test Engineer	Justin Guo
Test Date	2025-02-15	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	4867.5	53.8	-6.5	47.3	74.0	-26.7	Peak	Horizontal
	7266.2	52.8	-5.2	47.6	74.0	-26.4	Peak	Horizontal
	11220.4	48.1	-1.7	46.4	74.0	-27.6	Peak	Horizontal
	4818.2	51.1	-6.7	44.4	74.0	-29.6	Peak	Vertical
	7264.5	52.1	-5.2	46.9	74.0	-27.1	Peak	Vertical
	12456.3	47.5	-0.7	46.8	74.0	-27.2	Peak	Vertical
06	4887.9	60.7	-6.6	54.1	74.0	-19.9	Peak	Horizontal
	4887.9	51.8	-6.6	45.2	54.0	-8.8	Average	Horizontal
	7310.4	55.3	-5.2	50.1	74.0	-23.9	Peak	Horizontal
	12160.5	47.3	-1.4	45.9	74.0	-28.1	Peak	Horizontal
	4872.6	54.8	-6.4	48.4	74.0	-25.6	Peak	Vertical
	7312.1	56.0	-5.2	50.8	74.0	-23.2	Peak	Vertical
	11562.1	47.1	-1.4	45.7	74.0	-28.3	Peak	Vertical
09	4908.3	57.3	-6.4	50.9	74.0	-23.1	Peak	Horizontal
	7378.4	54.2	-5.1	49.1	74.0	-24.9	Peak	Horizontal
	11791.6	47.2	-1.6	45.6	74.0	-28.4	Peak	Horizontal
	4906.6	54.9	-6.4	48.5	74.0	-25.5	Peak	Vertical
	7334.2	53.0	-5.2	47.8	74.0	-26.2	Peak	Vertical
	11778.0	47.7	-1.8	45.9	74.0	-28.1	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	SIP-AC3	Test Engineer	Justin Guo
Test Date	2025-02-15	Test Mode	802.11be-EHT20
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	4809.7	56.9	-6.7	50.2	74.0	-23.8	Peak	Horizontal
	12174.1	48.2	-1.4	46.8	74.0	-27.2	Peak	Horizontal
	15859.7	44.8	5.5	50.3	74.0	-23.7	Peak	Horizontal
	4828.4	52.1	-6.6	45.5	74.0	-28.5	Peak	Vertical
	11954.8	47.8	-1.6	46.2	74.0	-27.8	Peak	Vertical
	15815.5	44.6	5.8	50.4	74.0	-23.6	Peak	Vertical
06	4881.1	60.4	-6.5	53.9	74.0	-20.1	Peak	Horizontal
	4881.1	52.4	-6.5	45.9	54.0	-8.1	Average	Horizontal
	7313.8	59.7	-5.2	54.5	74.0	-19.5	Peak	Horizontal
	7313.8	51.3	-5.2	46.1	54.0	-7.9	Average	Horizontal
	11948.0	48.0	-1.6	46.4	74.0	-27.6	Peak	Horizontal
	4867.5	56.1	-6.5	49.6	74.0	-24.4	Peak	Vertical
	7310.4	58.5	-5.2	53.3	74.0	-20.7	Peak	Vertical
	7310.4	51.0	-5.2	45.8	54.0	-8.2	Average	Vertical
	12039.8	47.4	-1.6	45.8	74.0	-28.2	Peak	Vertical
11	4927.0	62.1	-6.4	55.7	74.0	-18.3	Peak	Horizontal
	4927.0	53.3	-6.4	46.9	54.0	-7.1	Average	Horizontal
	7385.2	55.7	-5.1	50.6	74.0	-23.4	Peak	Horizontal
	11558.7	48.3	-1.4	46.9	74.0	-27.1	Peak	Horizontal
	4923.6	59.1	-6.4	52.7	74.0	-21.3	Peak	Vertical
	4923.6	50.5	-6.4	44.1	54.0	-9.9	Average	Vertical
	7385.2	55.0	-5.1	49.9	74.0	-24.1	Peak	Vertical
	11774.6	48.0	-1.8	46.2	74.0	-27.8	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	SIP-AC3	Test Engineer	Justin Guo
Test Date	2025-02-15	Test Mode	802.11be-EHT40
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.		

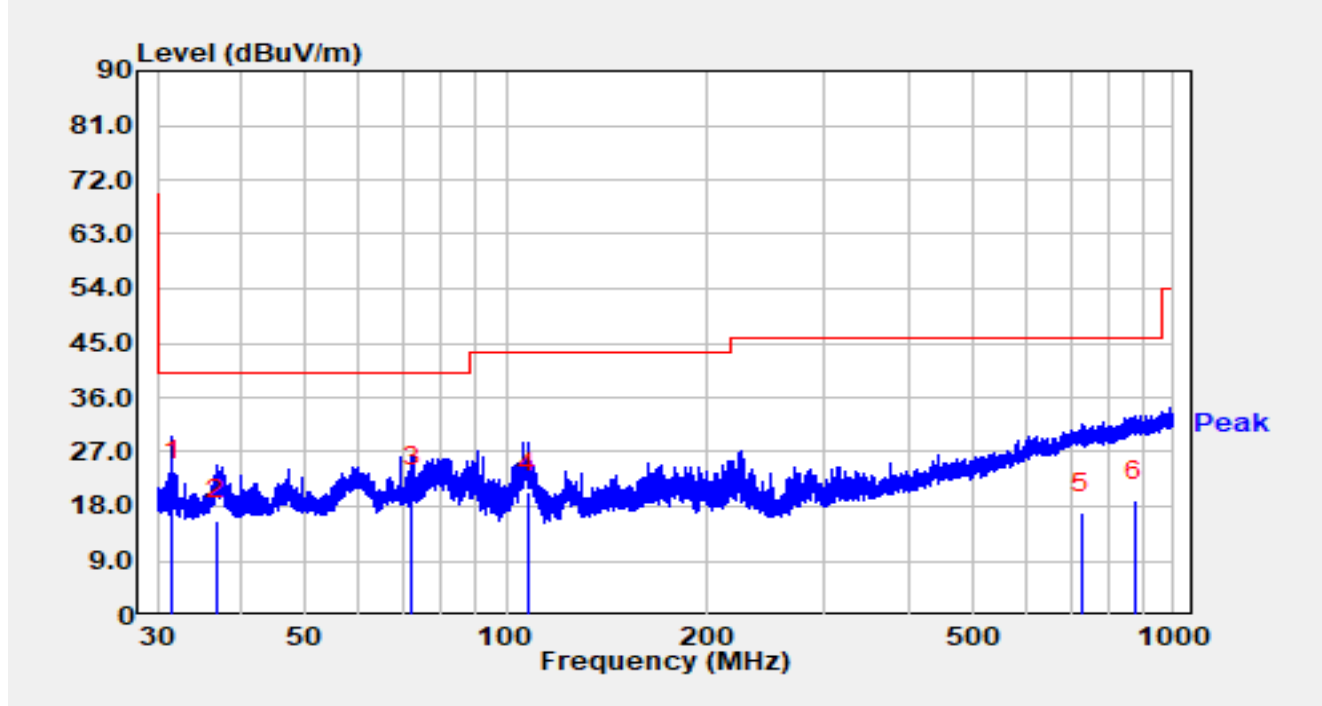
Test Channel	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
03	4850.5	54.9	-6.6	48.3	74.0	-25.7	Peak	Horizontal
	7266.2	54.1	-5.2	48.9	74.0	-25.1	Peak	Horizontal
	12335.6	47.2	-0.8	46.4	74.0	-27.6	Peak	Horizontal
	4855.6	50.4	-6.6	43.8	74.0	-30.2	Peak	Vertical
	7284.9	50.6	-5.2	45.4	74.0	-28.6	Peak	Vertical
	12102.7	48.0	-1.5	46.5	74.0	-27.5	Peak	Vertical
06	4886.2	60.6	-6.5	54.1	74.0	-19.9	Peak	Horizontal
	4886.2	51.9	-6.5	45.4	54.0	-8.6	Average	Horizontal
	7310.4	55.0	-5.2	49.8	74.0	-24.2	Peak	Horizontal
	11400.6	48.0	-1.7	46.3	74.0	-27.7	Peak	Horizontal
	4886.2	56.8	-6.5	50.3	74.0	-23.7	Peak	Vertical
	7330.8	55.3	-5.2	50.1	74.0	-23.9	Peak	Vertical
	12401.9	47.3	-1.2	46.1	74.0	-27.9	Peak	Vertical
09	4906.6	58.8	-6.4	52.4	74.0	-21.6	Peak	Horizontal
	4906.6	50.2	-6.4	43.8	54.0	-10.2	Average	Horizontal
	7337.6	53.3	-5.2	48.1	74.0	-25.9	Peak	Horizontal
	12296.5	47.2	-1.3	45.9	74.0	-28.1	Peak	Horizontal
	4904.9	54.7	-6.4	48.3	74.0	-25.7	Peak	Vertical
	7334.2	55.4	-5.2	50.2	74.0	-23.8	Peak	Vertical
	12157.1	47.6	-1.4	46.2	74.0	-27.8	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)

The Result of Radiated Emission below 1GHz:

Site	SIP-AC2	Test Date	2025-03-12
Temperature	16.7 °C	Humidity	64.2 %
Limit	FCC_Part 15.209_RSE(3m)	Test Engineer	Justin Guo
Factor	VULB 9168_00999	Polarity	Horizontal
EUT	FWA Gateway	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11g at 2437MHz		

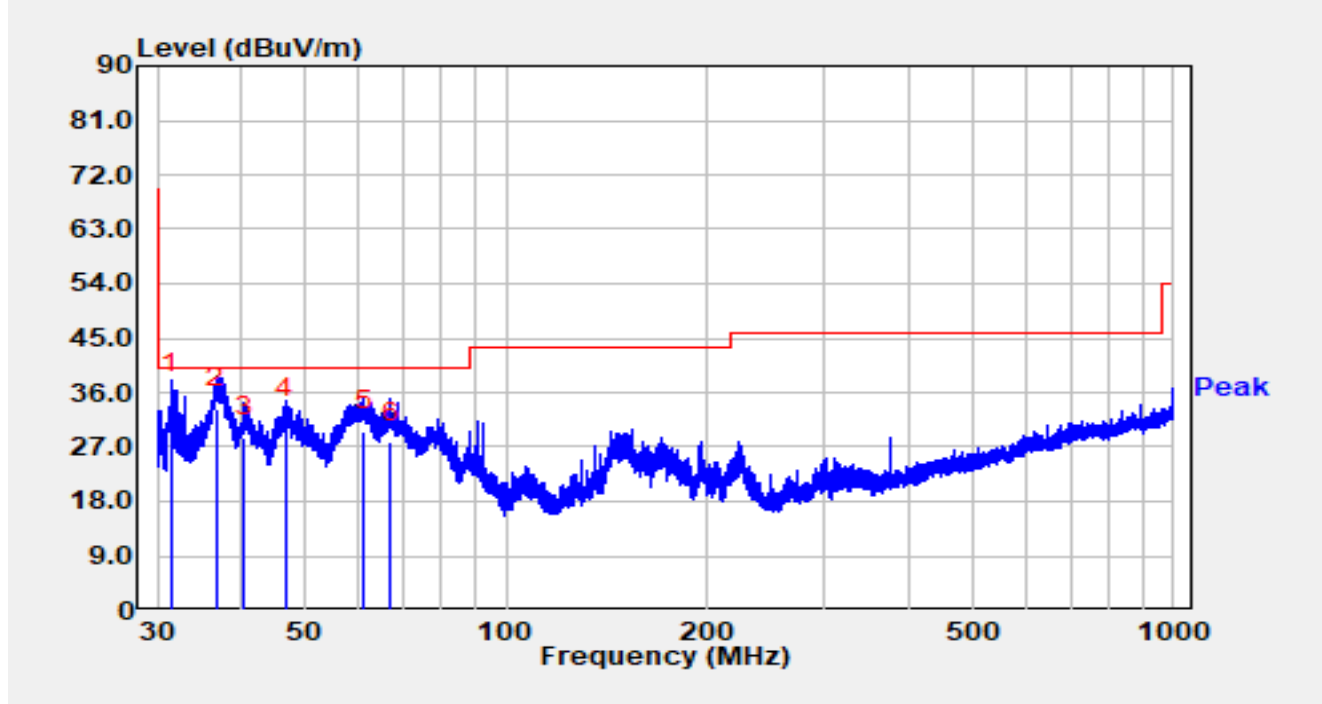


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	31.521	3.50	18.89	22.39	-17.61	40.00	QP
2		36.792	-3.70	19.43	15.73	-24.27	40.00	QP
3		72.363	3.40	17.68	21.08	-18.92	40.00	QP
4		107.472	3.50	16.87	20.37	-23.13	43.50	QP
5		728.081	-13.40	30.23	16.83	-29.17	46.00	QP
6		875.247	-13.20	32.16	18.96	-27.04	46.00	QP

Notes:

1. " * ", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).
4. 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	SIP-AC2	Test Date	2025-03-12
Temperature	16.7 °C	Humidity	64.2 %
Limit	FCC_Part 15.209_RSE(3m)	Test Engineer	Justin Guo
Factor	VULB 9168_00999	Polarity	Vertical
EUT	FWA Gateway	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11g at 2437MHz		



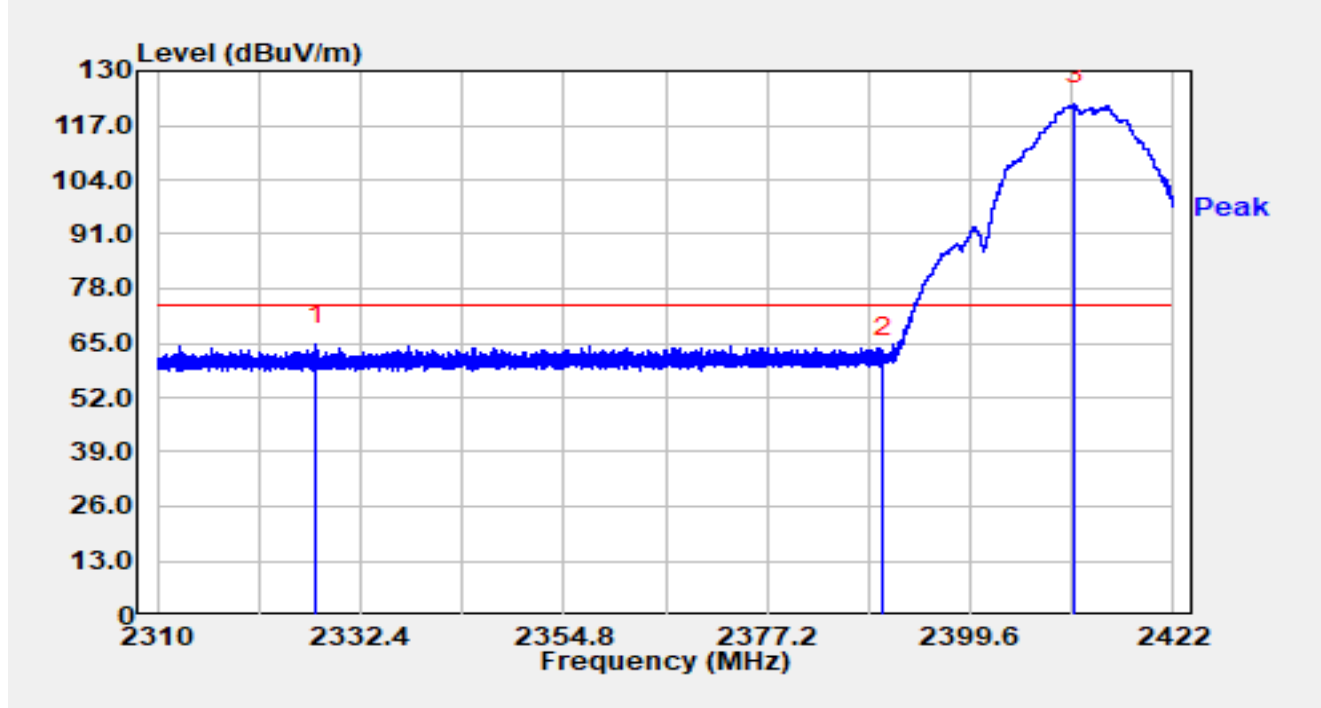
No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	31.498	16.90	18.89	35.79	-4.21	40.00	QP
2		36.805	13.90	19.43	33.33	-6.67	40.00	QP
3		40.545	8.70	19.97	28.67	-11.33	40.00	QP
4		46.748	11.20	20.44	31.64	-8.36	40.00	QP
5		61.174	10.10	19.56	29.66	-10.34	40.00	QP
6		67.155	9.20	18.57	27.77	-12.23	40.00	QP

Notes:

- "*", means this data is the worst emission level.
- C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
- Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).
- 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

Site	SIP-AC3	Test Date	2025-02-12
Temperature	16.4 °C	Humidity	47.5 %
Limit	FCC_Part 15_Band Edge(3m)	Test Engineer	Justin Guo
Factor	HF907_102861	Polarity	Horizontal
EUT	FWA Gateway	Test Voltage	AC 120V/60Hz
Test Mode	Transmit By 802.11b at 2412MHz		

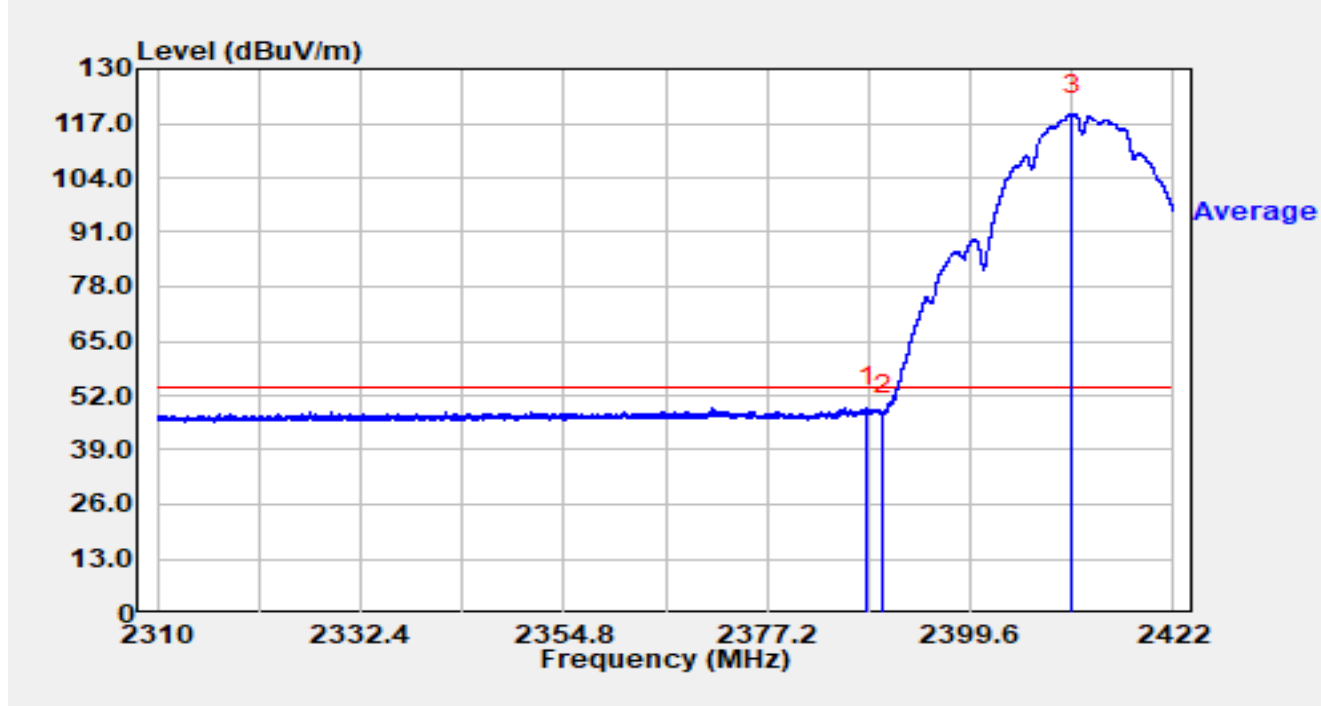


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	2327.517	32.13	32.50	64.62	-9.38	74.00	Peak
2		2390.000	28.97	32.69	61.66	-12.34	74.00	Peak
3		2411.102	89.15	32.77	121.92	N/A	N/A	Peak

Notes:

1. “ * “, means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2025-02-12
Temperature	16.4 °C	Humidity	47.5 %
Limit	FCC_Part 15_Band Edge(3m)	Test Engineer	Justin Guo
Factor	HF907_102861	Polarity	Horizontal
EUT	FWA Gateway	Test Voltage	AC 120V/60Hz
Test Mode	Transmit By 802.11b at 2412MHz		

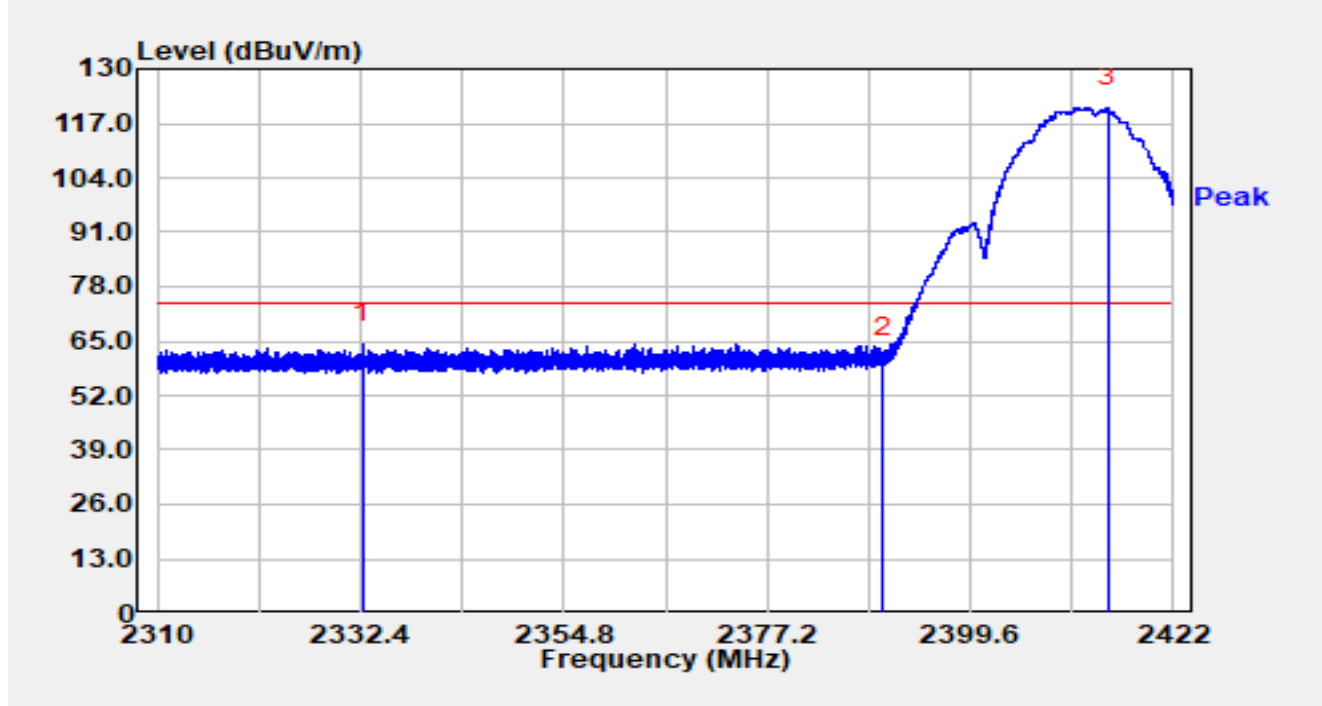


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	2388.198	16.48	32.68	49.16	-4.84	54.00	Average
2		2390.000	14.67	32.69	47.35	-6.65	54.00	Average
3		2410.744	86.33	32.77	119.10	N/A	N/A	Average

Notes:

1. “ * “, means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2025-02-12
Temperature	16.4 °C	Humidity	47.5 %
Limit	FCC_Part 15_Band Edge(3m)	Test Engineer	Justin Guo
Factor	HF907_102861	Polarity	Vertical
EUT	FWA Gateway	Test Voltage	AC 120V/60Hz
Test Mode	Transmit By 802.11b at 2412MHz		

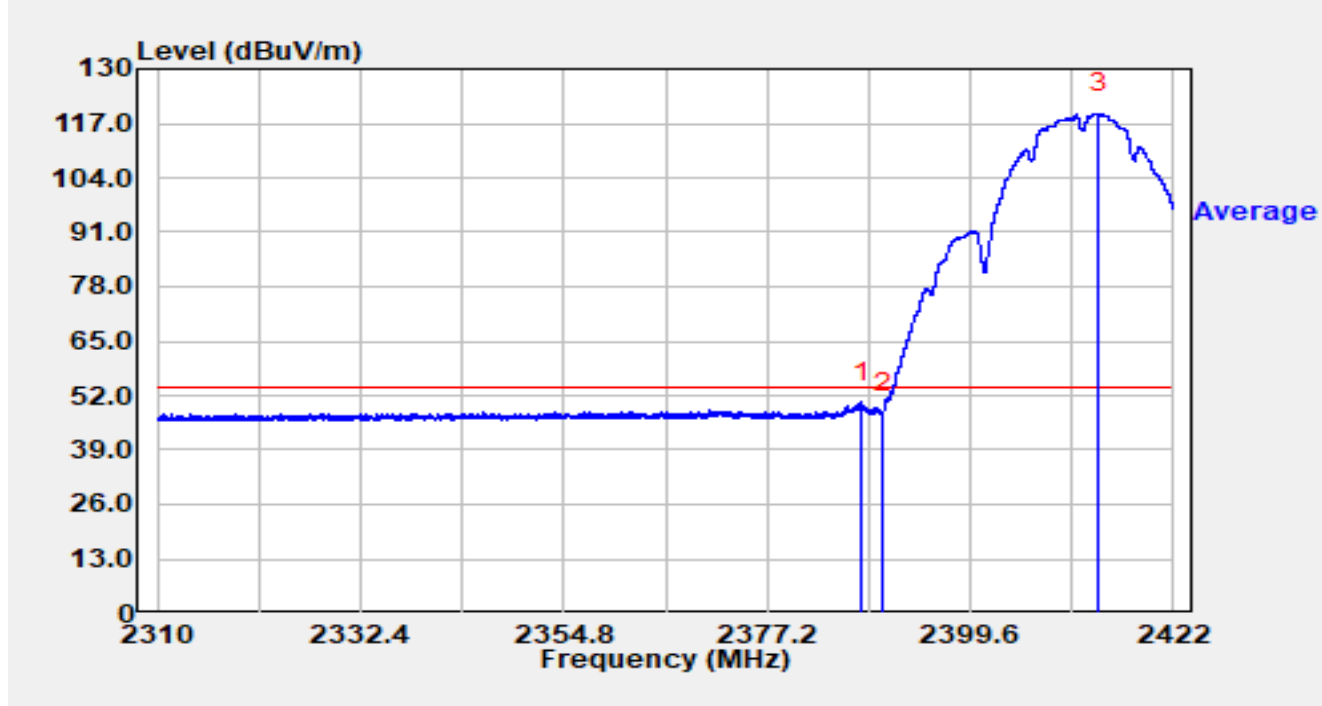


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	2332.646	31.88	32.52	64.39	-9.61	74.00	Peak
2		2390.000	28.63	32.69	61.32	-12.68	74.00	Peak
3		2414.731	87.91	32.79	120.70	N/A	N/A	Peak

Notes:

1. “ * “, means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2025-02-12
Temperature	16.4 °C	Humidity	47.5 %
Limit	FCC_Part 15_Band Edge(3m)	Test Engineer	Justin Guo
Factor	HF907_102861	Polarity	Vertical
EUT	FWA Gateway	Test Voltage	AC 120V/60Hz
Test Mode	Transmit By 802.11b at 2412MHz		

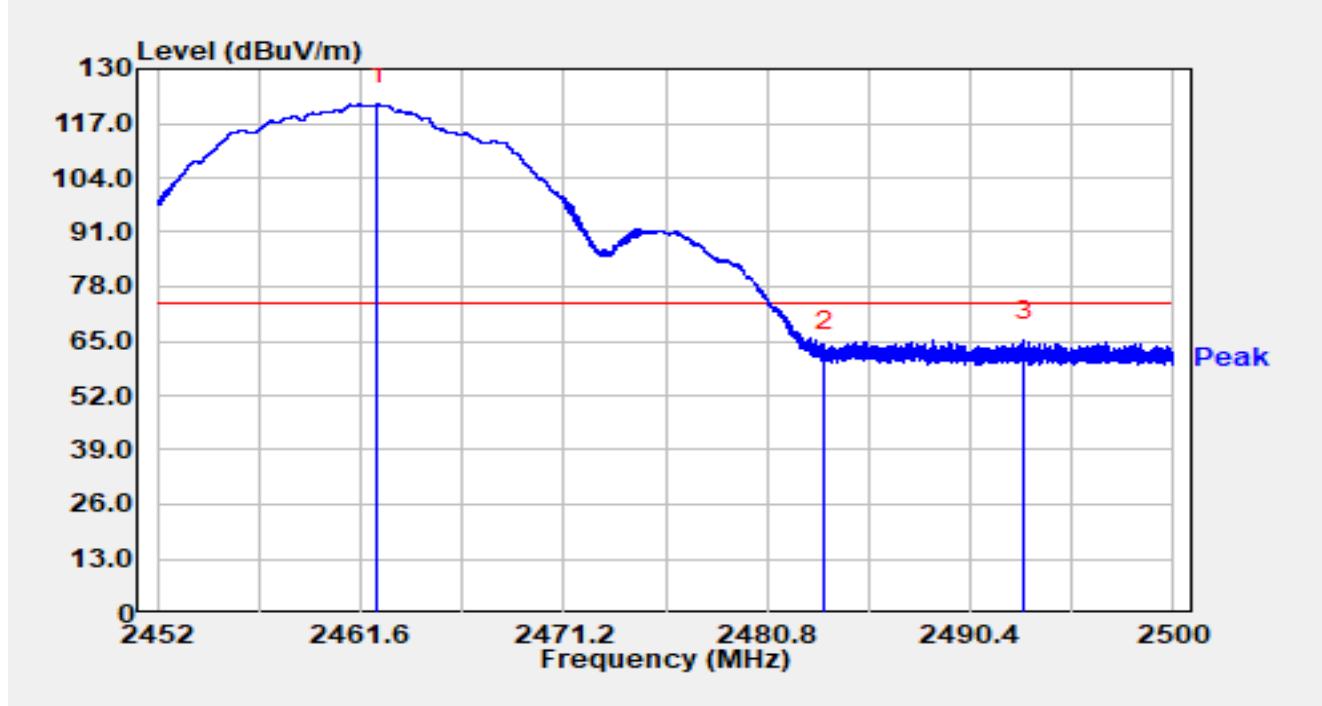


No	Mark	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Detector
1	*	2387.661	17.68	32.68	50.35	-3.65	54.00	Average
2		2390.000	15.02	32.69	47.71	-6.29	54.00	Average
3		2413.690	86.60	32.79	119.39	N/A	N/A	Average

Notes:

1. “ * “, means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBUV/m) = Reading (dBUV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2025-02-12
Temperature	16.4 °C	Humidity	47.5 %
Limit	FCC_Part 15_Band Edge(3m)	Test Engineer	Justin Guo
Factor	HF907_102861	Polarity	Horizontal
EUT	FWA Gateway	Test Voltage	AC 120V/60Hz
Test Mode	Transmit By 802.11b at 2462MHz		

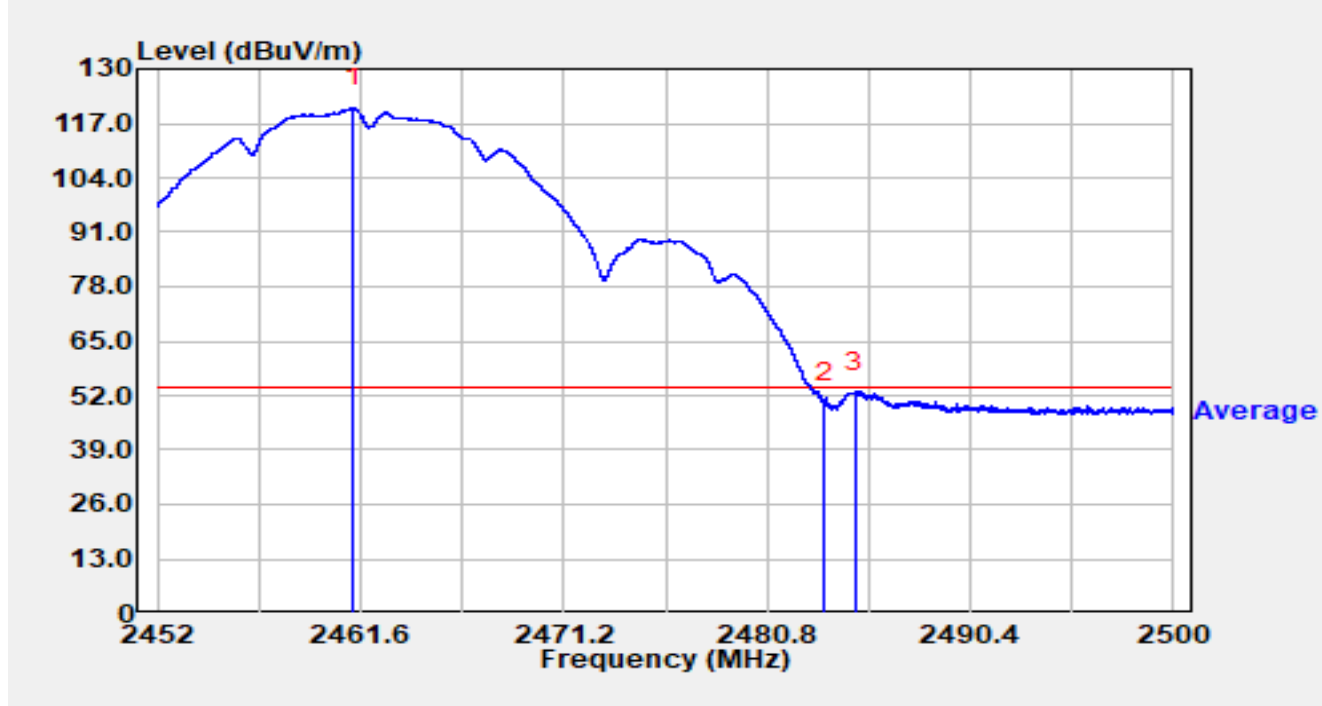


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		2462.406	88.57	32.99	121.56	N/A	N/A	Peak
2		2483.500	29.33	33.13	62.46	-11.54	74.00	Peak
3	*	2492.973	31.94	33.18	65.12	-8.88	74.00	Peak

Notes:

1. “ * “, means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2025-02-12
Temperature	16.4 °C	Humidity	47.5 %
Limit	FCC_Part 15_Band Edge(3m)	Test Engineer	Justin Guo
Factor	HF907_102861	Polarity	Horizontal
EUT	FWA Gateway	Test Voltage	AC 120V/60Hz
Test Mode	Transmit By 802.11b at 2462MHz		

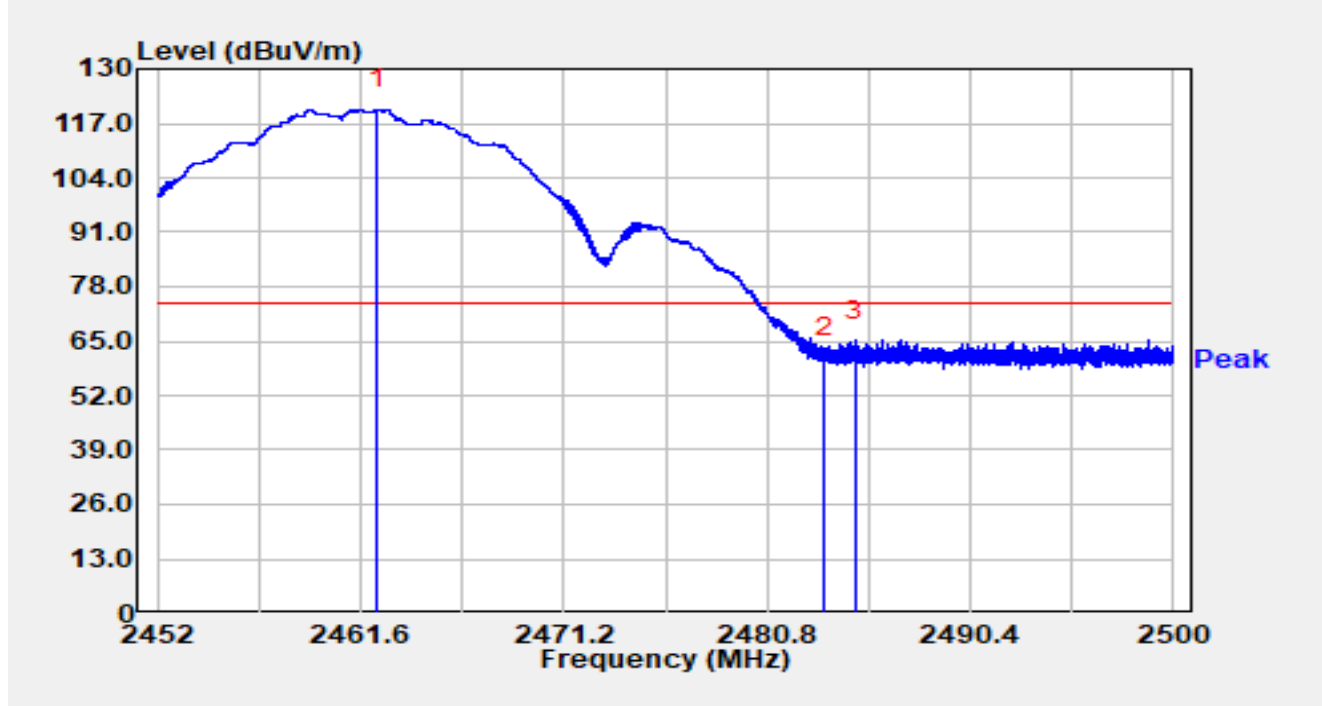


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		2461.259	87.72	32.98	120.71	N/A	N/A	Average
2		2483.500	17.01	33.13	50.14	-3.86	54.00	Average
3	*	2484.981	19.74	33.14	52.88	-1.12	54.00	Average

Notes:

1. “ * “, means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2025-02-12
Temperature	16.4 °C	Humidity	47.5 %
Limit	FCC_Part 15_Band Edge(3m)	Test Engineer	Justin Guo
Factor	HF907_102861	Polarity	Vertical
EUT	FWA Gateway	Test Voltage	AC 120V/60Hz
Test Mode	Transmit By 802.11b at 2462MHz		

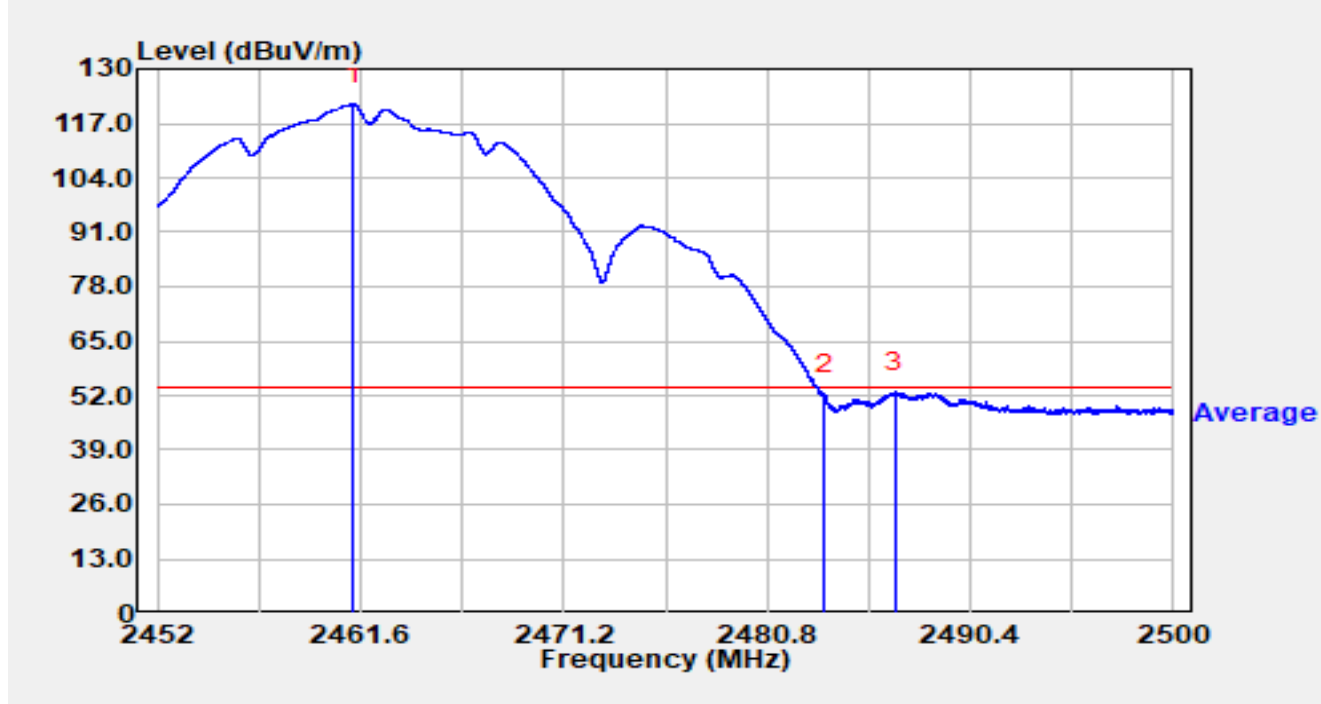


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		2462.402	87.25	32.99	120.24	N/A	N/A	Peak
2		2483.500	27.87	33.13	61.00	-13.00	74.00	Peak
3	*	2484.938	31.95	33.14	65.09	-8.91	74.00	Peak

Notes:

1. “ * “, means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2025-02-12
Temperature	16.4 °C	Humidity	47.5 %
Limit	FCC_Part 15_Band Edge(3m)	Test Engineer	Justin Guo
Factor	HF907_102861	Polarity	Vertical
EUT	FWA Gateway	Test Voltage	AC 120V/60Hz
Test Mode	Transmit By 802.11b at 2462MHz		

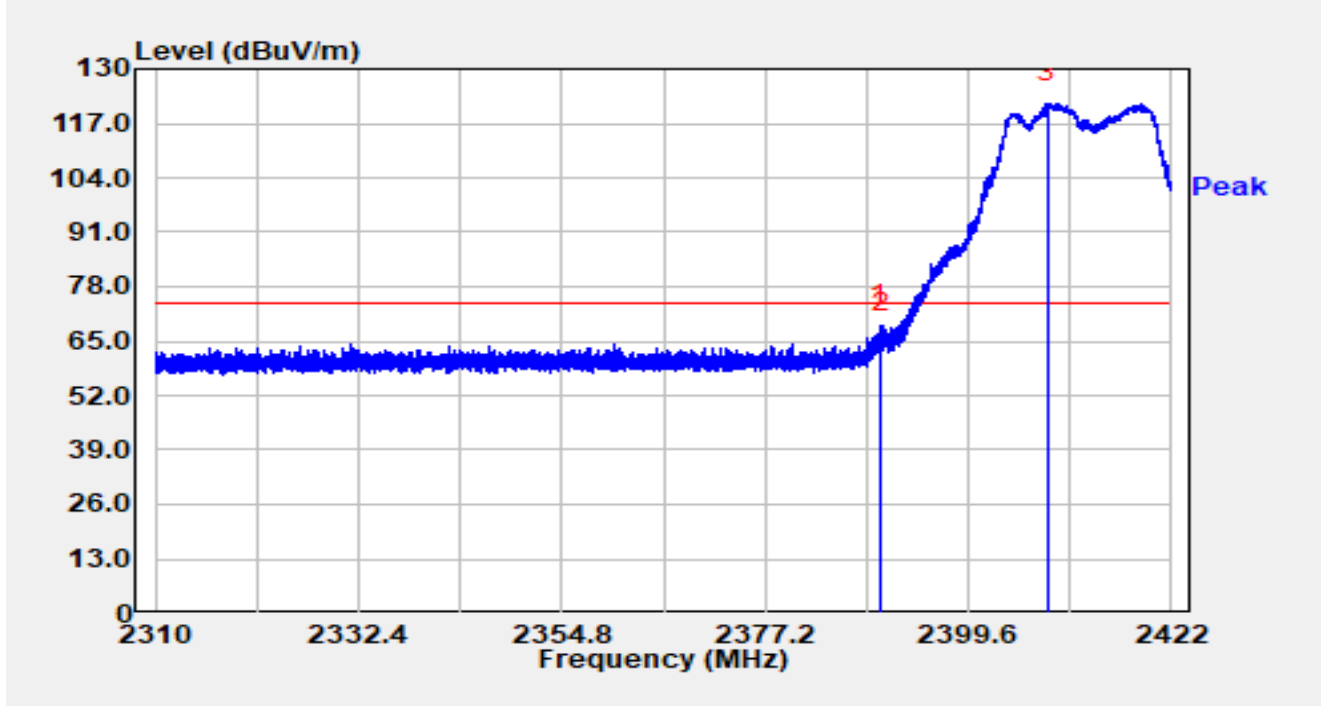


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		2461.235	88.52	32.98	121.50	N/A	N/A	Average
2		2483.500	18.98	33.13	52.11	-1.89	54.00	Average
3	*	2486.848	19.69	33.15	52.84	-1.16	54.00	Average

Notes:

1. “ * “, means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2025-02-12
Temperature	16.4 °C	Humidity	47.5 %
Limit	FCC_Part 15_Band Edge(3m)	Test Engineer	Justin Guo
Factor	HF907_102861	Polarity	Horizontal
EUT	FWA Gateway	Test Voltage	AC 120V/60Hz
Test Mode	Transmit By 802.11g at 2412MHz		

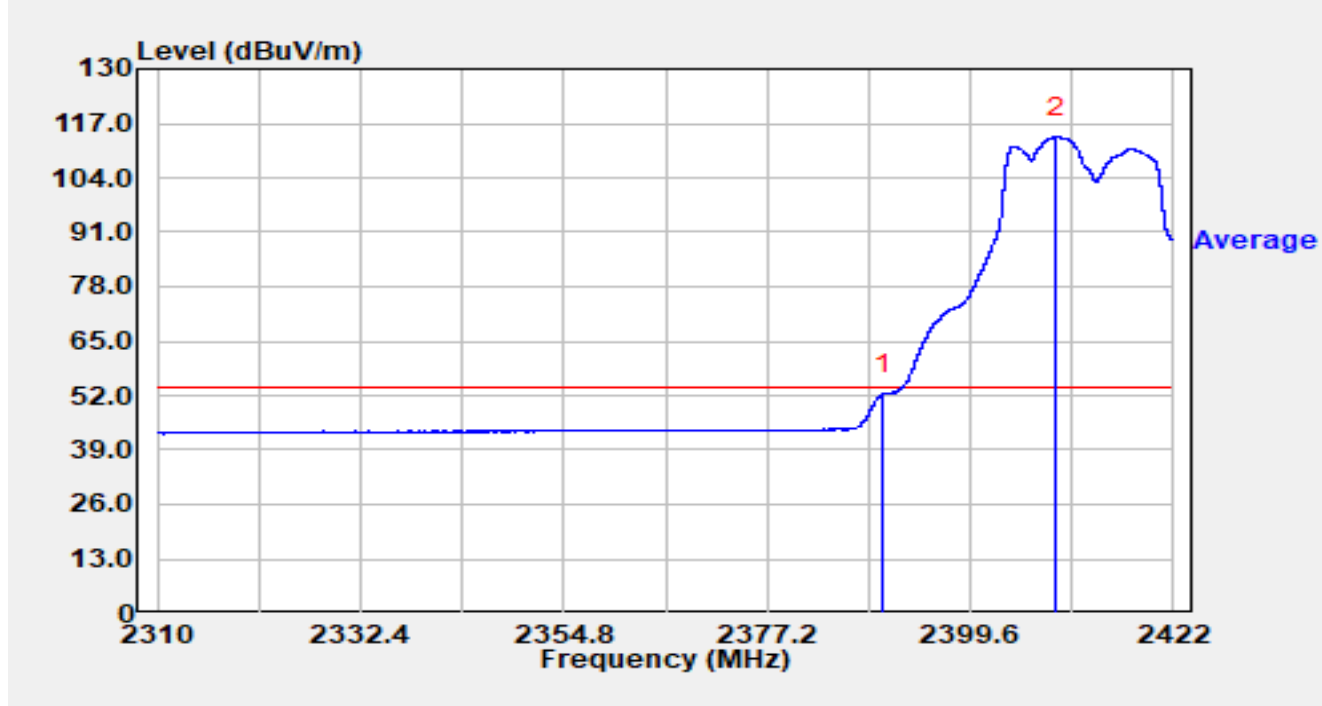


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	2389.878	36.10	32.69	68.79	-5.21	74.00	Peak
2		2390.000	34.05	32.69	66.74	-7.26	74.00	Peak
3		2408.302	89.05	32.76	121.81	N/A	N/A	Peak

Notes:

1. “ * “, means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2025-02-12
Temperature	16.4 °C	Humidity	47.5 %
Limit	FCC_Part 15_Band Edge(3m)	Test Engineer	Justin Guo
Factor	HF907_102861	Polarity	Horizontal
EUT	FWA Gateway	Test Voltage	AC 120V/60Hz
Test Mode	Transmit By 802.11g at 2412MHz		

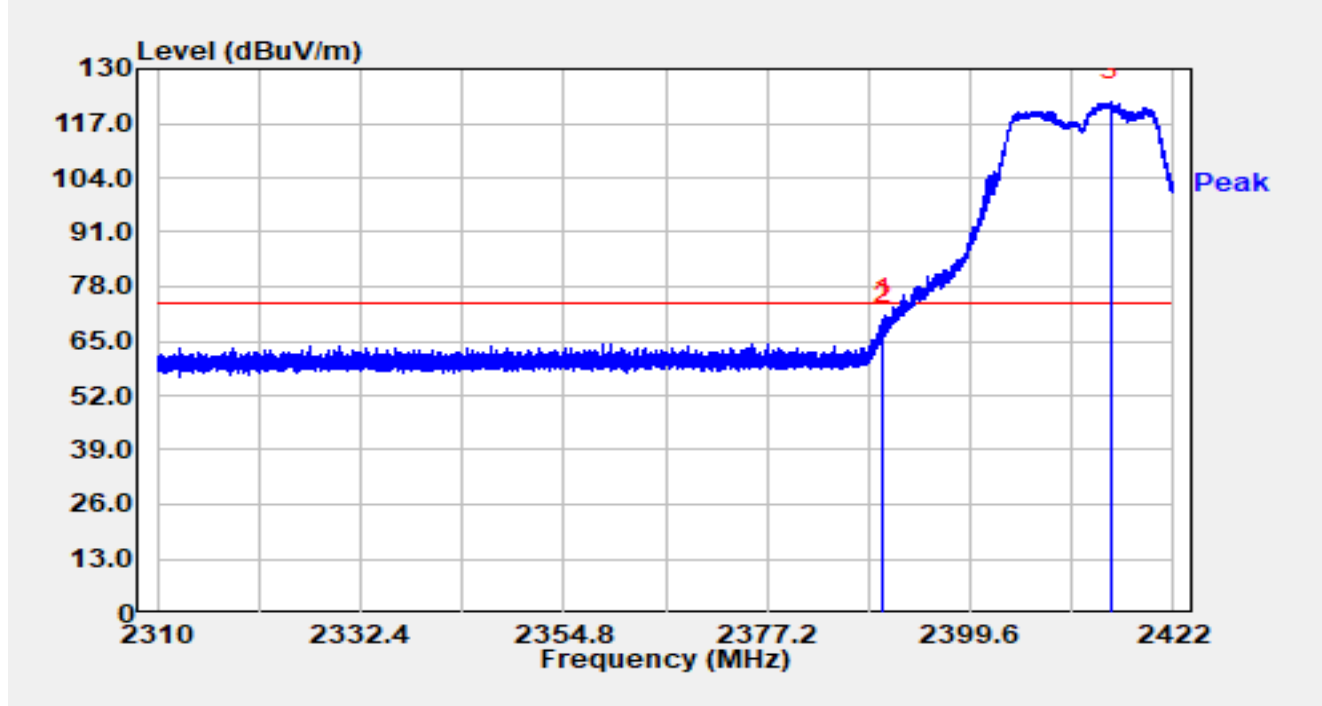


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	2390.000	19.51	32.69	52.20	-1.80	54.00	Average
2		2409.075	80.92	32.76	113.68	N/A	N/A	Average

Notes:

1. “ * “, means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2025-02-12
Temperature	16.4 °C	Humidity	47.5 %
Limit	FCC_Part 15_Band Edge(3m)	Test Engineer	Justin Guo
Factor	HF907_102861	Polarity	Vertical
EUT	FWA Gateway	Test Voltage	AC 120V/60Hz
Test Mode	Transmit By 802.11g at 2412MHz		

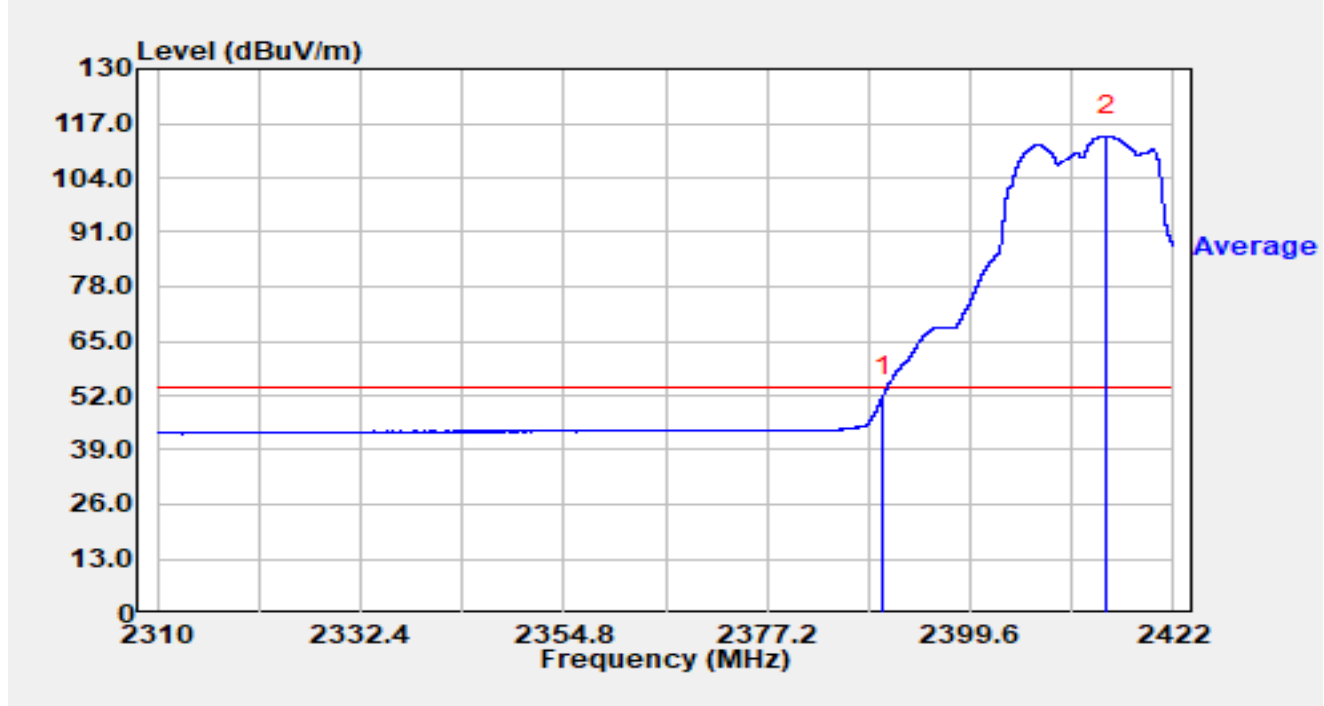


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	2389.923	37.67	32.69	70.36	-3.64	74.00	Peak
2		2390.000	36.28	32.69	68.97	-5.03	74.00	Peak
3		2415.090	89.39	32.79	122.18	N/A	N/A	Peak

Notes:

1. “ * “, means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2025-02-12
Temperature	16.4 °C	Humidity	47.5 %
Limit	FCC_Part 15_Band Edge(3m)	Test Engineer	Justin Guo
Factor	HF907_102861	Polarity	Vertical
EUT	FWA Gateway	Test Voltage	AC 120V/60Hz
Test Mode	Transmit By 802.11g at 2412MHz		

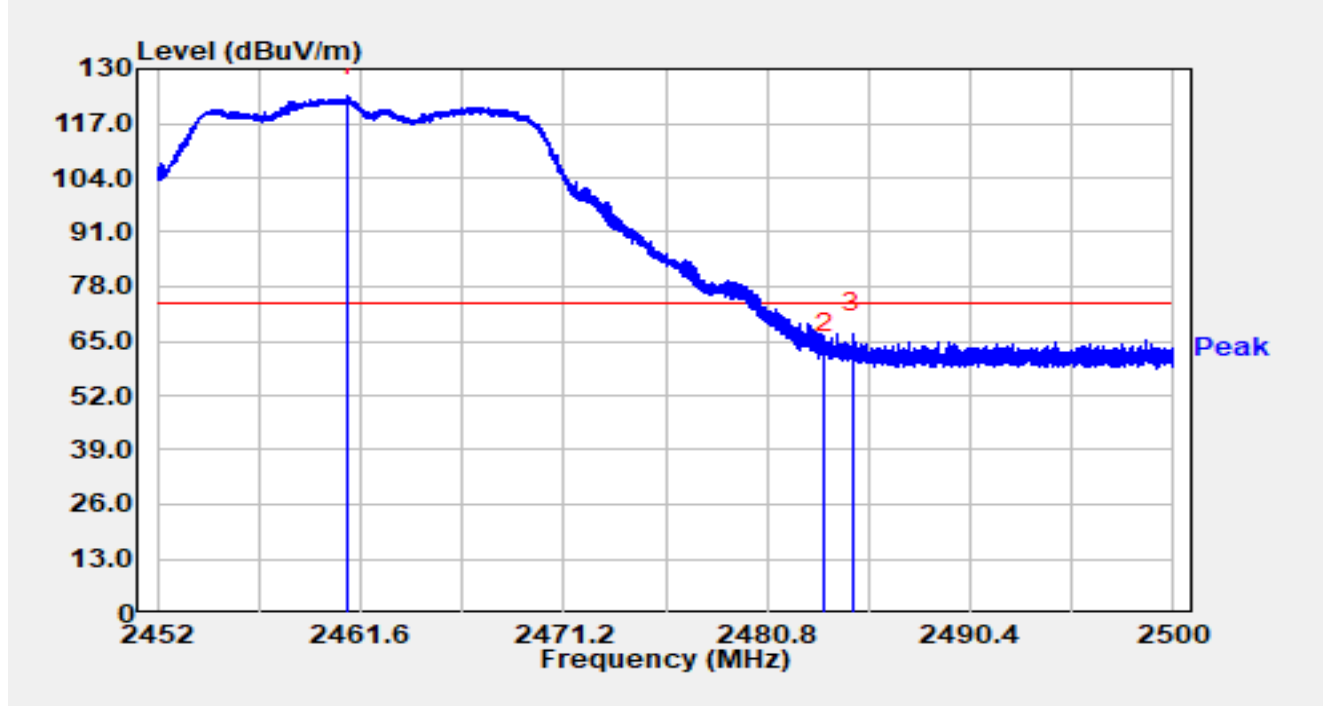


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	2390.000	19.24	32.69	51.93	-2.07	54.00	Average
2		2414.664	81.16	32.79	113.95	N/A	N/A	Average

Notes:

1. “ * “, means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2025-02-12
Temperature	16.4 °C	Humidity	47.5 %
Limit	FCC_Part 15_Band Edge(3m)	Test Engineer	Justin Guo
Factor	HF907_102861	Polarity	Horizontal
EUT	FWA Gateway	Test Voltage	AC 120V/60Hz
Test Mode	Transmit By 802.11g at 2462MHz		

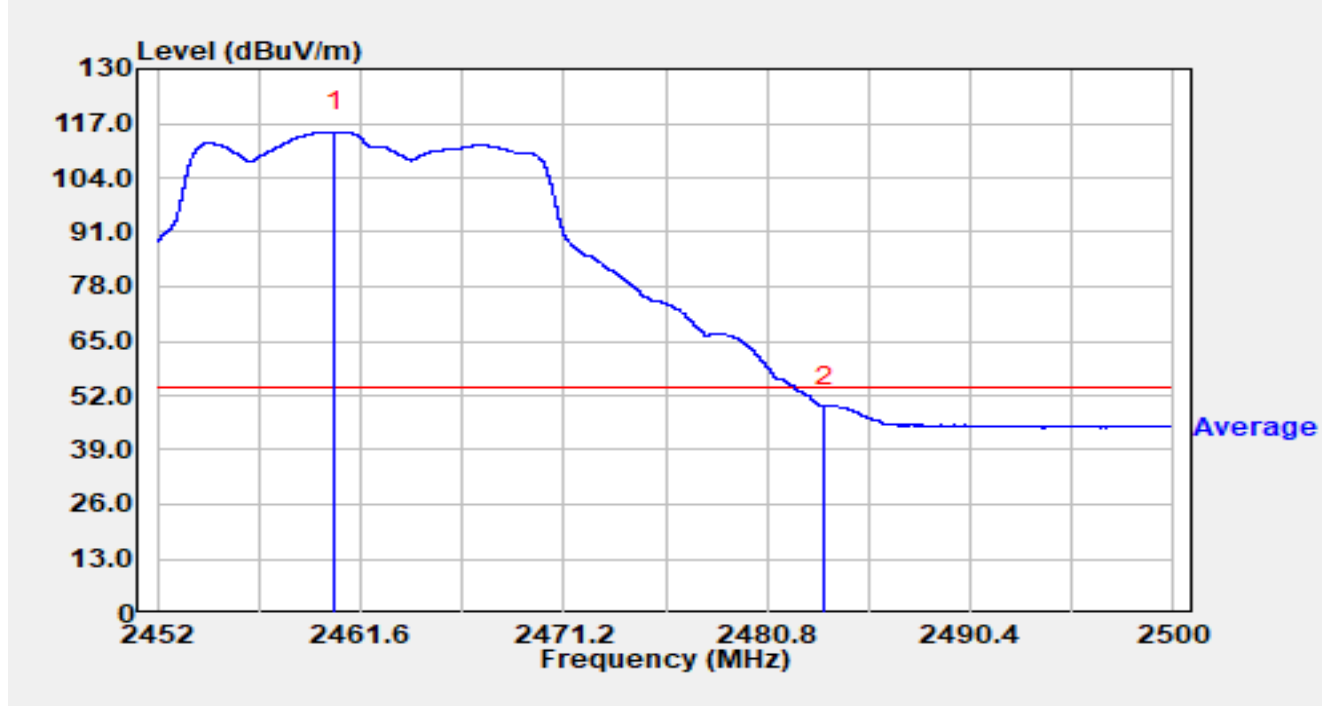


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		2460.952	90.55	32.98	123.54	N/A	N/A	Peak
2		2483.500	28.94	33.13	62.07	-11.93	74.00	Peak
3	*	2484.851	33.66	33.14	66.80	-7.20	74.00	Peak

Notes:

1. “ * “, means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2025-02-12
Temperature	16.4 °C	Humidity	47.5 %
Limit	FCC_Part 15_Band Edge(3m)	Test Engineer	Justin Guo
Factor	HF907_102861	Polarity	Horizontal
EUT	FWA Gateway	Test Voltage	AC 120V/60Hz
Test Mode	Transmit By 802.11g at 2462MHz		

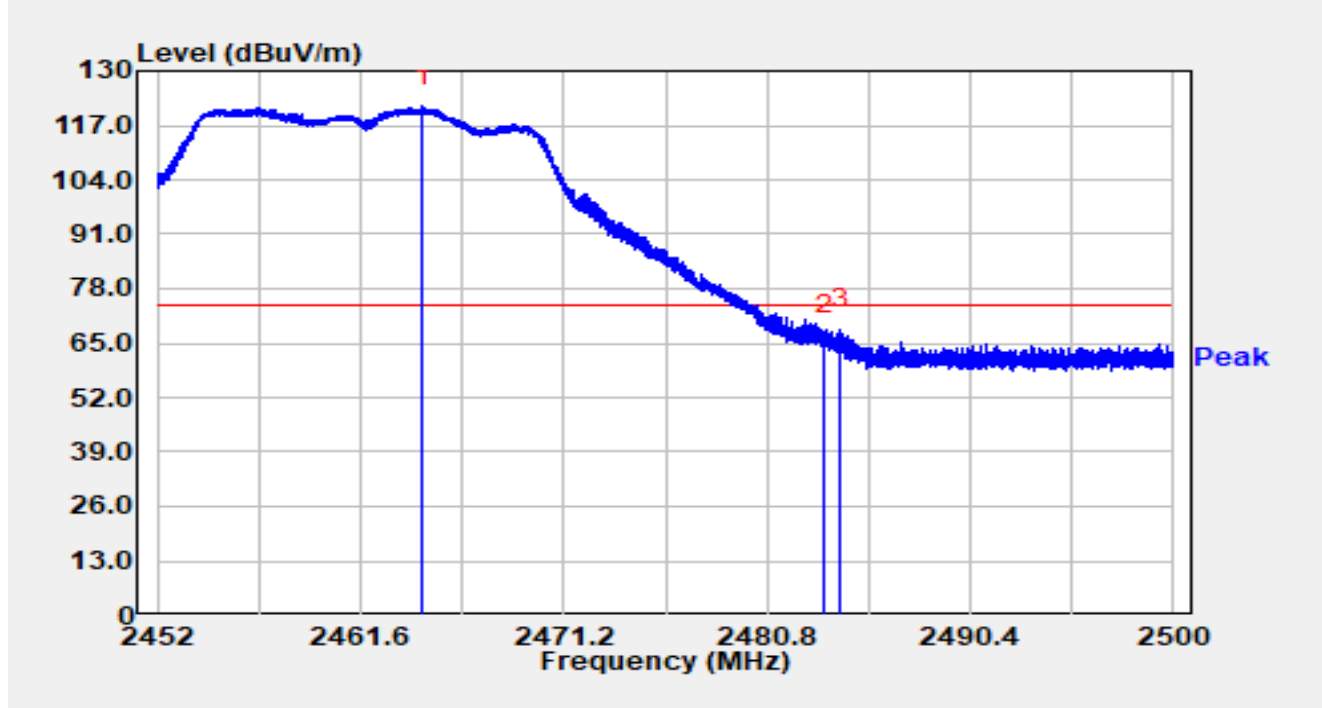


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		2460.347	82.01	32.98	115.00	N/A	N/A	Average
2	*	2483.500	16.39	33.13	49.52	-4.48	54.00	Average

Notes:

1. “ * “, means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2025-02-12
Temperature	16.4 °C	Humidity	47.5 %
Limit	FCC_Part 15_Band Edge(3m)	Test Engineer	Justin Guo
Factor	HF907_102861	Polarity	Vertical
EUT	FWA Gateway	Test Voltage	AC 120V/60Hz
Test Mode	Transmit By 802.11g at 2462MHz		

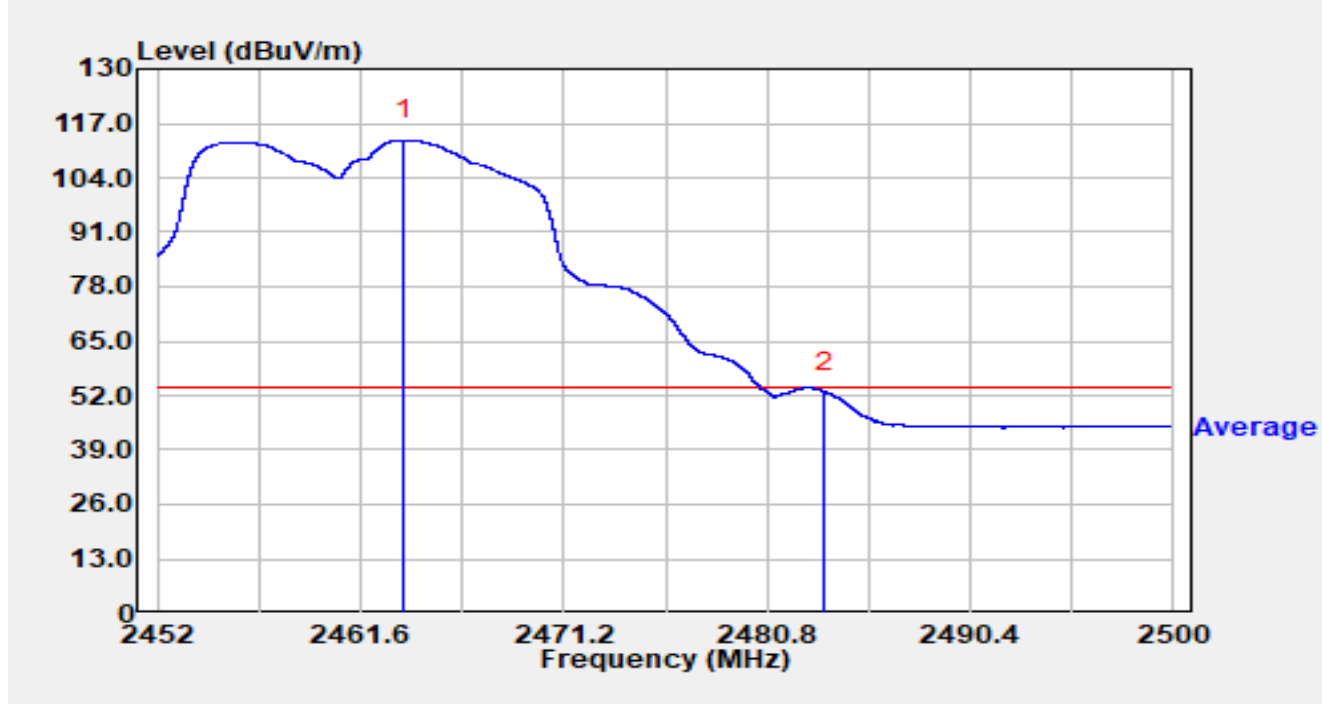


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		2464.499	88.63	33.00	121.63	N/A	N/A	Peak
2		2483.500	33.64	33.13	66.77	-7.23	74.00	Peak
3	*	2484.275	35.18	33.13	68.32	-5.68	74.00	Peak

Notes:

1. “ * “, means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2025-02-12
Temperature	16.4 °C	Humidity	47.5 %
Limit	FCC_Part 15_Band Edge(3m)	Test Engineer	Justin Guo
Factor	HF907_102861	Polarity	Vertical
EUT	FWA Gateway	Test Voltage	AC 120V/60Hz
Test Mode	Transmit By 802.11g at 2462MHz		

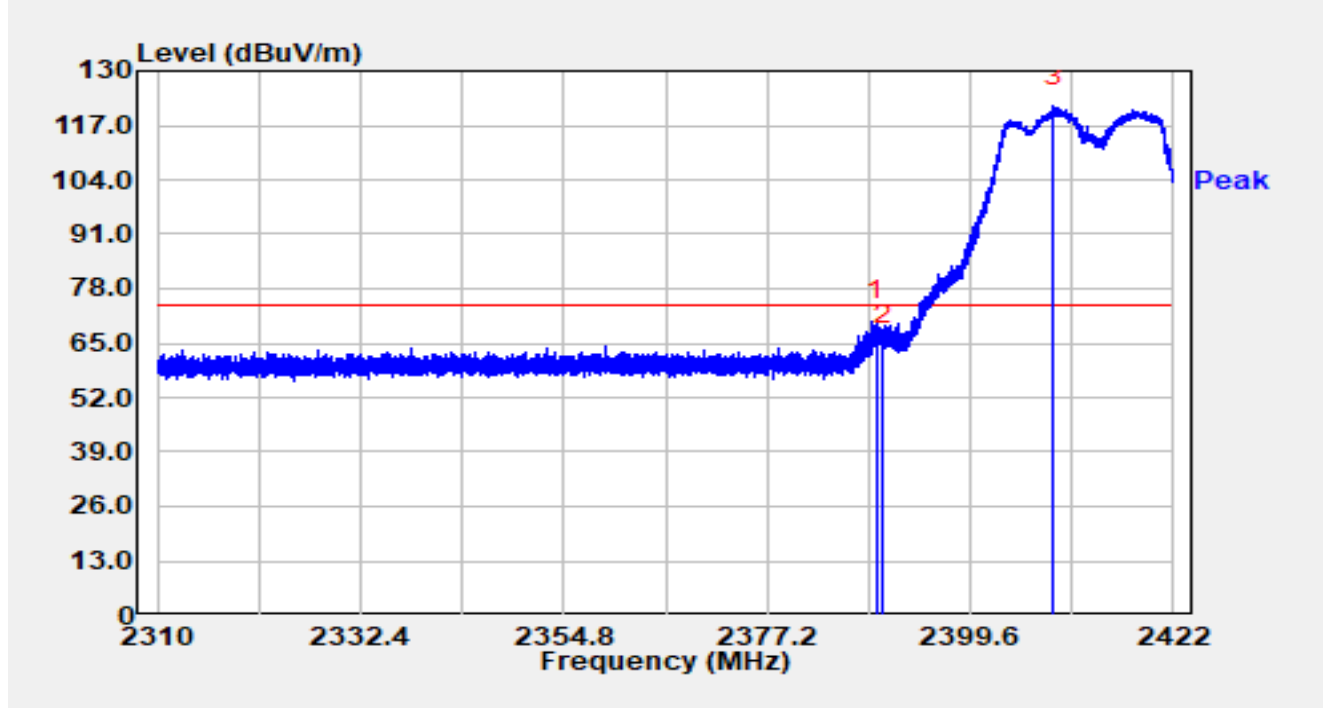


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		2463.669	79.95	33.00	112.95	N/A	N/A	Average
2	*	2483.500	19.82	33.13	52.95	-1.05	54.00	Average

Notes:

1. “ * “, means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2025-02-12
Temperature	16.4 °C	Humidity	47.5 %
Limit	FCC_Part 15_Band Edge(3m)	Test Engineer	Justin Guo
Factor	HF907_102861	Polarity	Horizontal
EUT	FWA Gateway	Test Voltage	AC 120V/60Hz
Test Mode	Transmit By 802.11n-HT20 at 2412MHz		

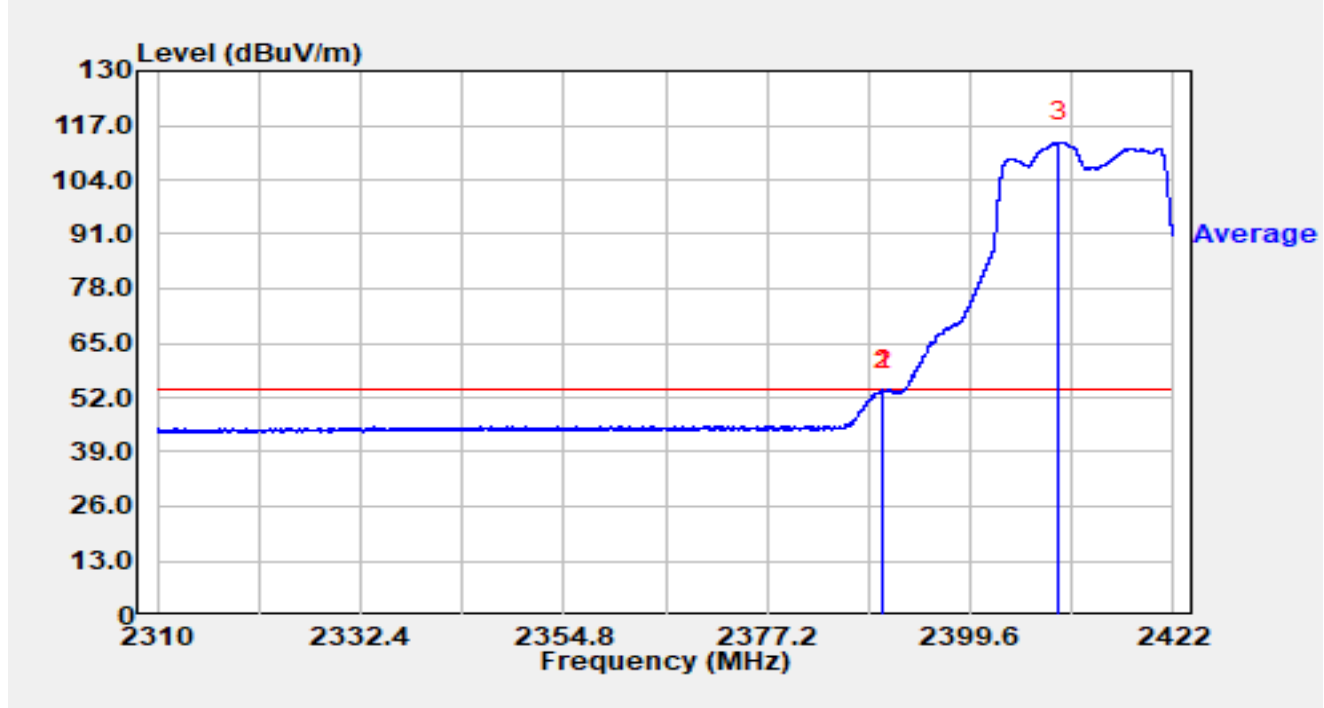


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	2389.307	37.90	32.68	70.59	-3.41	74.00	Peak
2		2390.000	31.92	32.69	64.61	-9.39	74.00	Peak
3		2408.739	88.76	32.76	121.52	N/A	N/A	Peak

Notes:

1. “ * “, means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2025-02-12
Temperature	16.4 °C	Humidity	47.5 %
Limit	FCC_Part 15_Band Edge(3m)	Test Engineer	Justin Guo
Factor	HF907_102861	Polarity	Horizontal
EUT	FWA Gateway	Test Voltage	AC 120V/60Hz
Test Mode	Transmit By 802.11n-HT20 at 2412MHz		

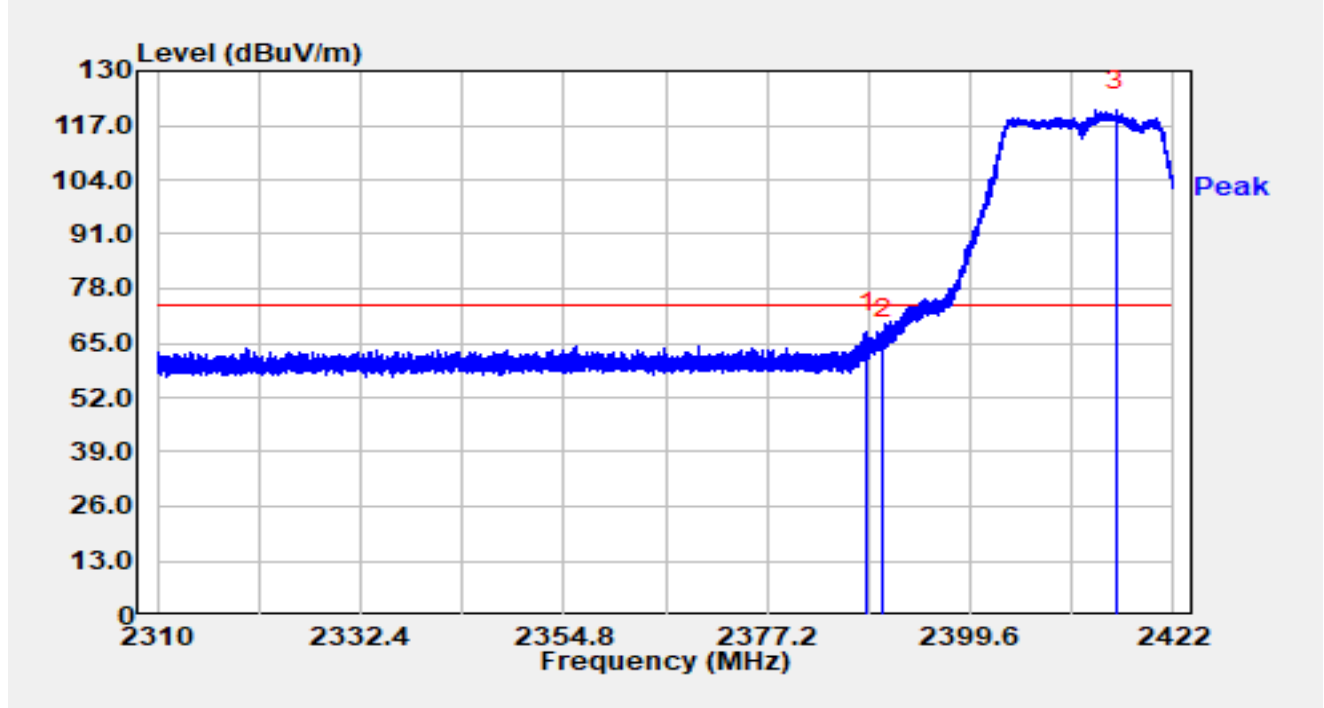


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	2389.923	21.11	32.69	53.80	-0.20	54.00	Average
2		2390.000	20.81	32.69	53.50	-0.50	54.00	Average
3		2409.366	80.29	32.76	113.05	N/A	N/A	Average

Notes:

1. “ * “, means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2025-02-12
Temperature	16.4 °C	Humidity	47.5 %
Limit	FCC_Part 15_Band Edge(3m)	Test Engineer	Justin Guo
Factor	HF907_102861	Polarity	Vertical
EUT	FWA Gateway	Test Voltage	AC 120V/60Hz
Test Mode	Transmit By 802.11n-HT20 at 2412MHz		

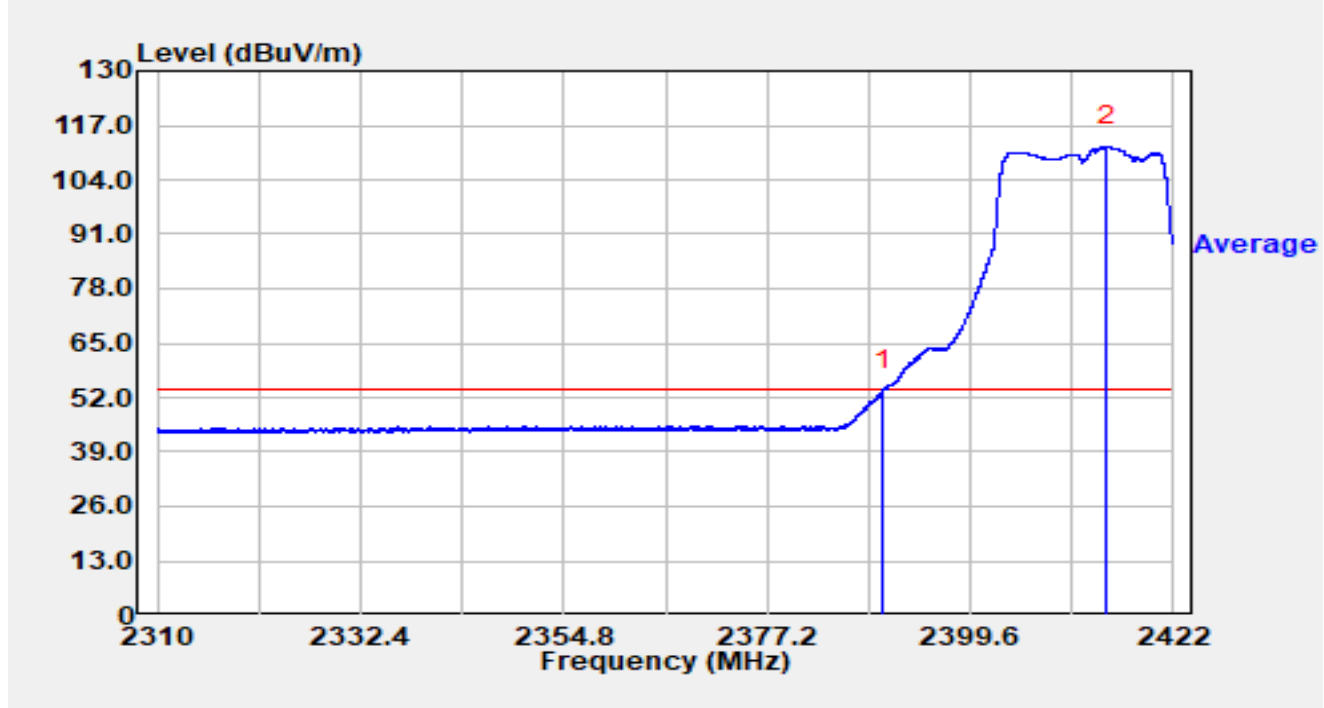


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	2388.243	34.98	32.68	67.66	-6.34	74.00	Peak
2		2390.000	33.09	32.69	65.78	-8.22	74.00	Peak
3		2415.616	87.79	32.80	120.59	N/A	N/A	Peak

Notes:

1. “ * “, means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2025-02-12
Temperature	16.4 °C	Humidity	47.5 %
Limit	FCC_Part 15_Band Edge(3m)	Test Engineer	Justin Guo
Factor	HF907_102861	Polarity	Vertical
EUT	FWA Gateway	Test Voltage	AC 120V/60Hz
Test Mode	Transmit By 802.11n-HT20 at 2412MHz		

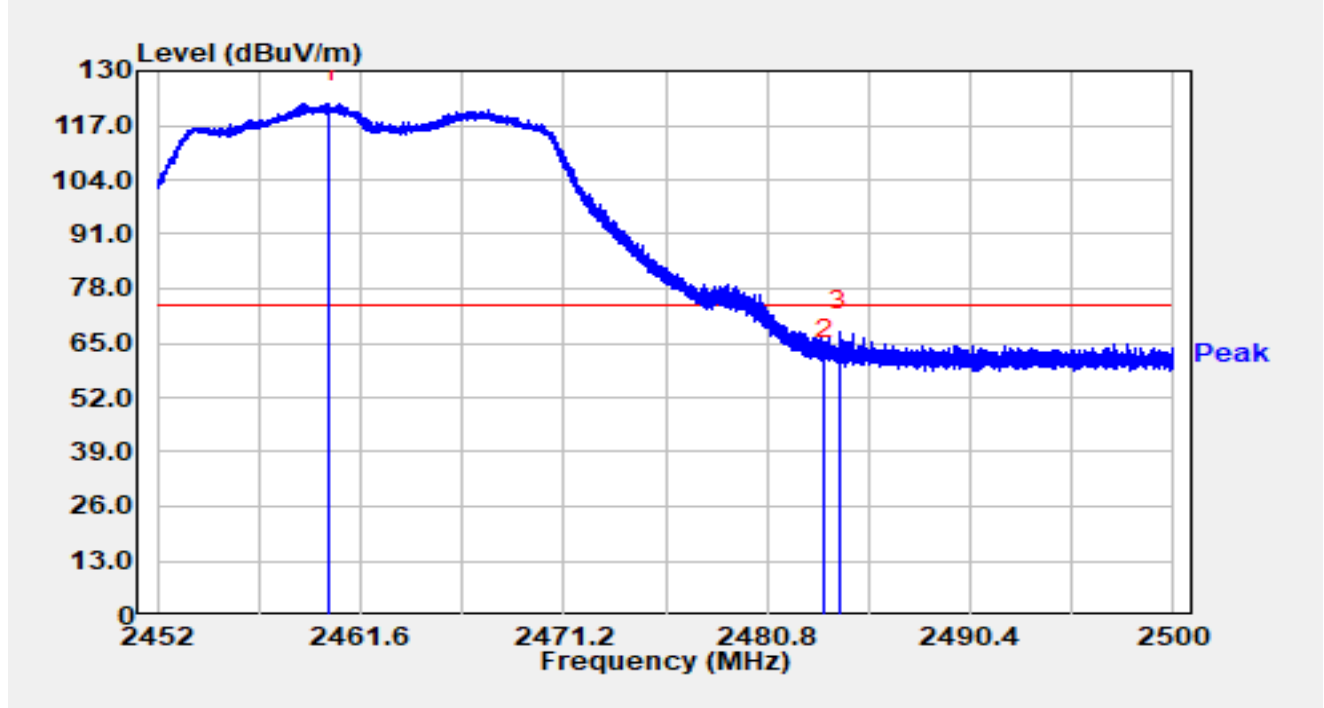


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	2390.000	20.87	32.69	53.56	-0.44	54.00	Average
2		2414.664	79.18	32.79	111.97	N/A	N/A	Average

Notes:

1. “ * “, means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2025-02-12
Temperature	16.4 °C	Humidity	47.5 %
Limit	FCC_Part 15_Band Edge(3m)	Test Engineer	Justin Guo
Factor	HF907_102861	Polarity	Horizontal
EUT	FWA Gateway	Test Voltage	AC 120V/60Hz
Test Mode	Transmit By 802.11n-HT20 at 2462MHz		

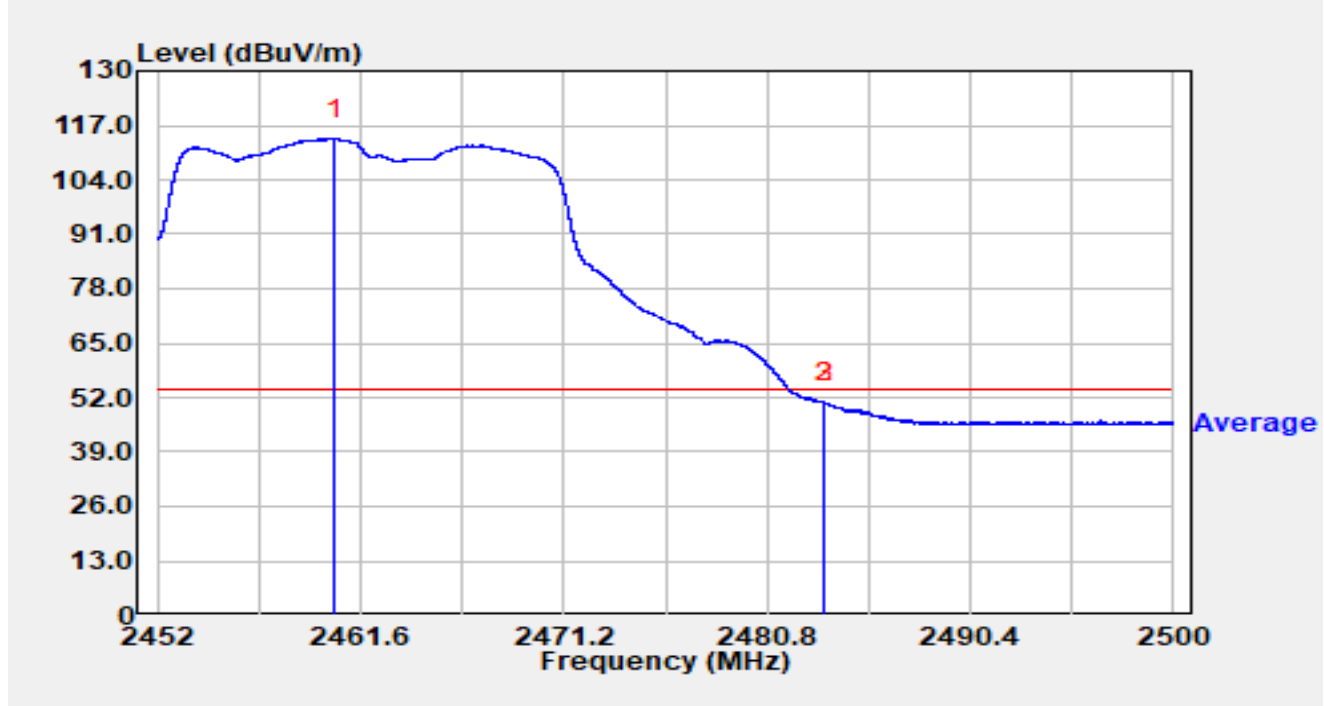


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		2460.098	89.32	32.98	122.31	N/A	N/A	Peak
2		2483.500	27.92	33.13	61.05	-12.95	74.00	Peak
3	*	2484.198	34.58	33.13	67.72	-6.28	74.00	Peak

Notes:

1. “ * “, means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2025-02-12
Temperature	16.4 °C	Humidity	47.5 %
Limit	FCC_Part 15_Band Edge(3m)	Test Engineer	Justin Guo
Factor	HF907_102861	Polarity	Horizontal
EUT	FWA Gateway	Test Voltage	AC 120V/60Hz
Test Mode	Transmit By 802.11n-HT20 at 2462MHz		

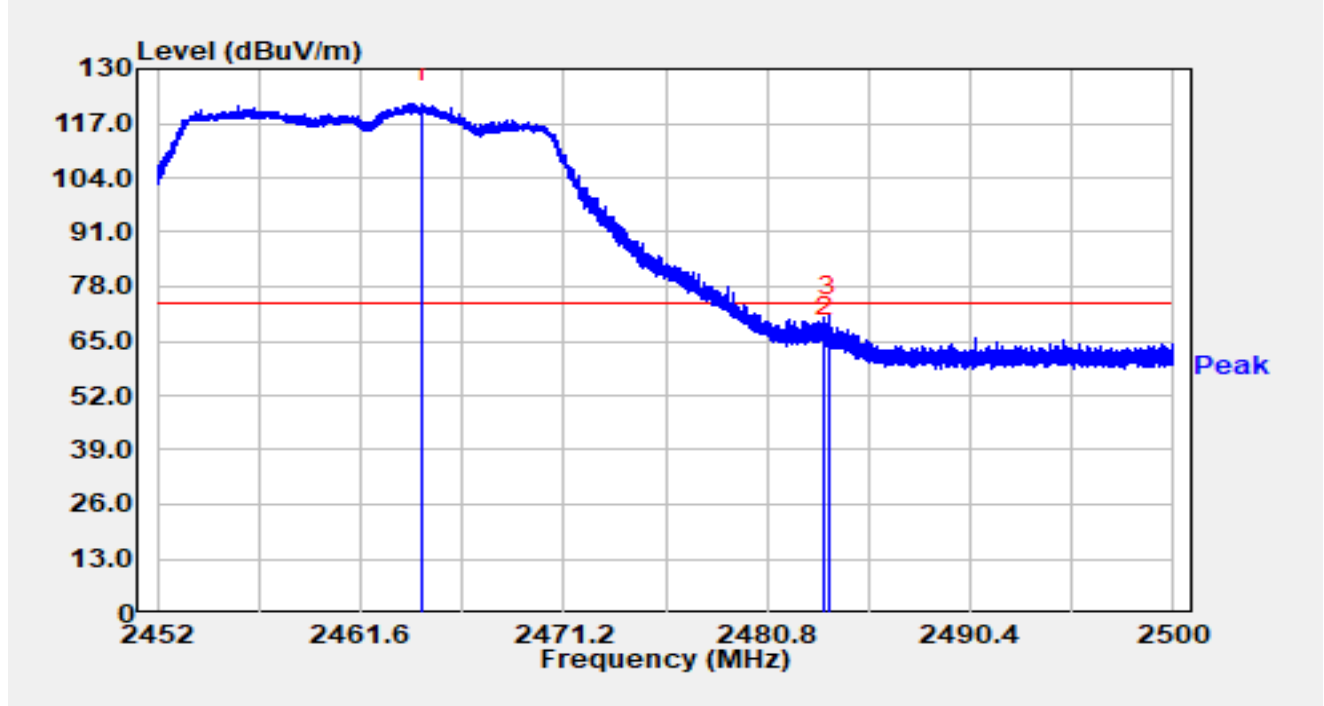


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		2460.395	80.79	32.98	113.77	N/A	N/A	Average
2		2483.500	17.57	33.13	50.70	-3.30	54.00	Average
3	*	2483.526	17.61	33.13	50.74	-3.26	54.00	Average

Notes:

1. “ * “, means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2025-02-12
Temperature	16.4 °C	Humidity	47.5 %
Limit	FCC_Part 15_Band Edge(3m)	Test Engineer	Justin Guo
Factor	HF907_102861	Polarity	Vertical
EUT	FWA Gateway	Test Voltage	AC 120V/60Hz
Test Mode	Transmit By 802.11n-HT20 at 2462MHz		

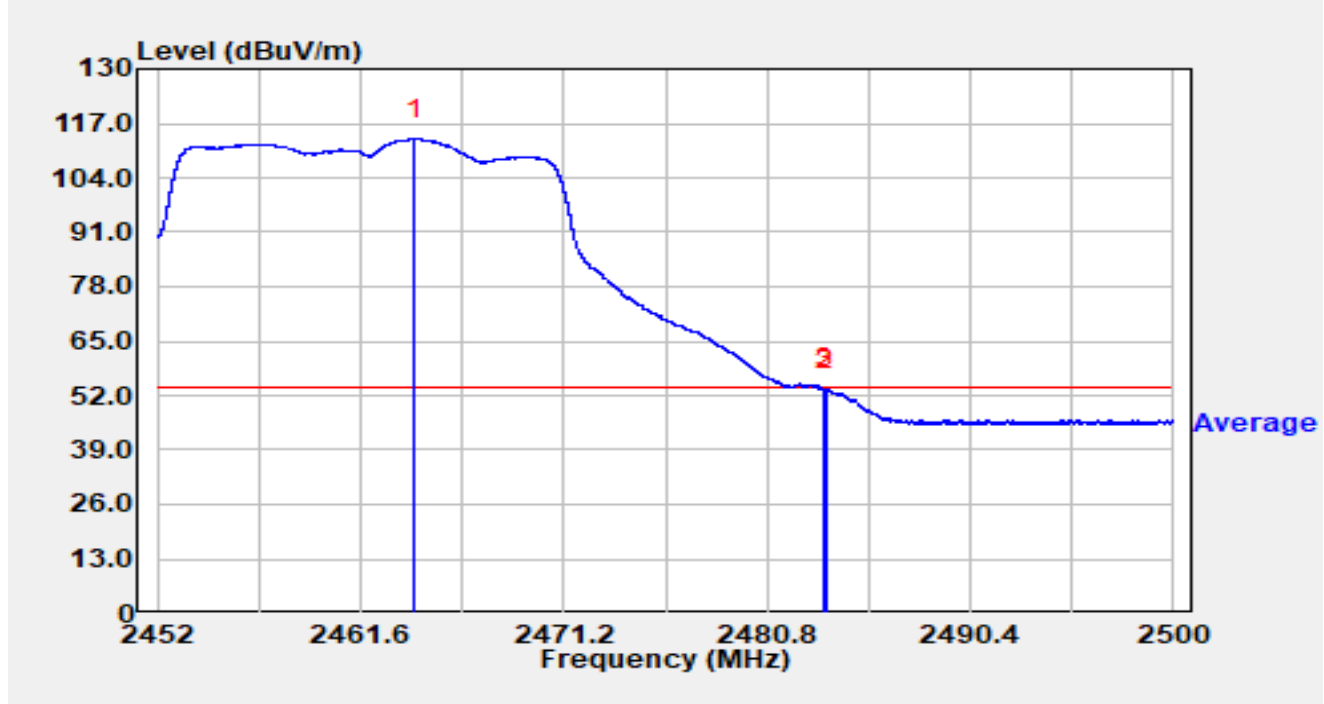


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		2464.461	88.89	33.00	121.89	N/A	N/A	Peak
2		2483.500	32.84	33.13	65.97	-8.03	74.00	Peak
3	*	2483.690	37.80	33.13	70.93	-3.07	74.00	Peak

Notes:

1. “ * “, means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2025-02-12
Temperature	16.4 °C	Humidity	47.5 %
Limit	FCC_Part 15_Band Edge(3m)	Test Engineer	Justin Guo
Factor	HF907_102861	Polarity	Vertical
EUT	FWA Gateway	Test Voltage	AC 120V/60Hz
Test Mode	Transmit By 802.11n-HT20 at 2462MHz		

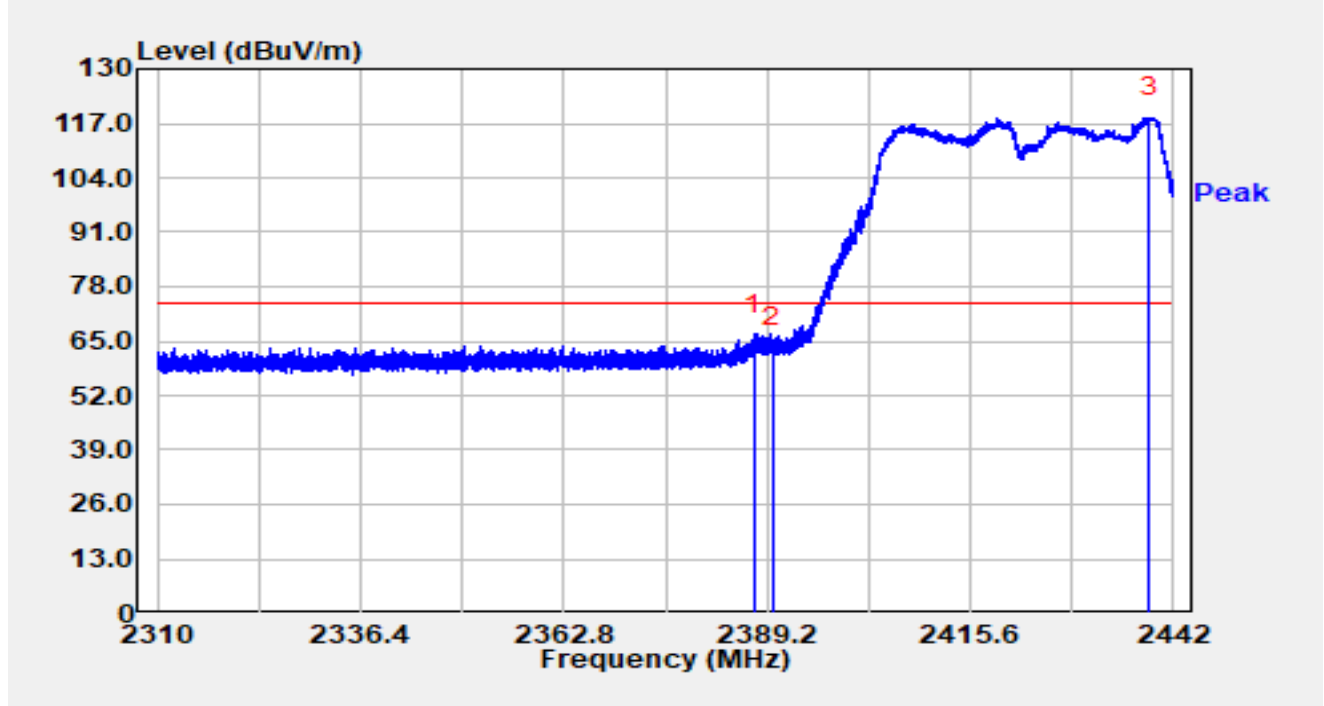


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		2464.139	80.28	33.00	113.28	N/A	N/A	Average
2		2483.500	20.33	33.13	53.46	-0.54	54.00	Average
3	*	2483.555	20.49	33.13	53.62	-0.38	54.00	Average

Notes:

1. “ * “, means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2025-02-12
Temperature	16.4 °C	Humidity	47.5 %
Limit	FCC_Part 15_Band Edge(3m)	Test Engineer	Justin Guo
Factor	HF907_102861	Polarity	Horizontal
EUT	FWA Gateway	Test Voltage	AC 120V/60Hz
Test Mode	Transmit By 802.11n-HT40 at 2422MHz		

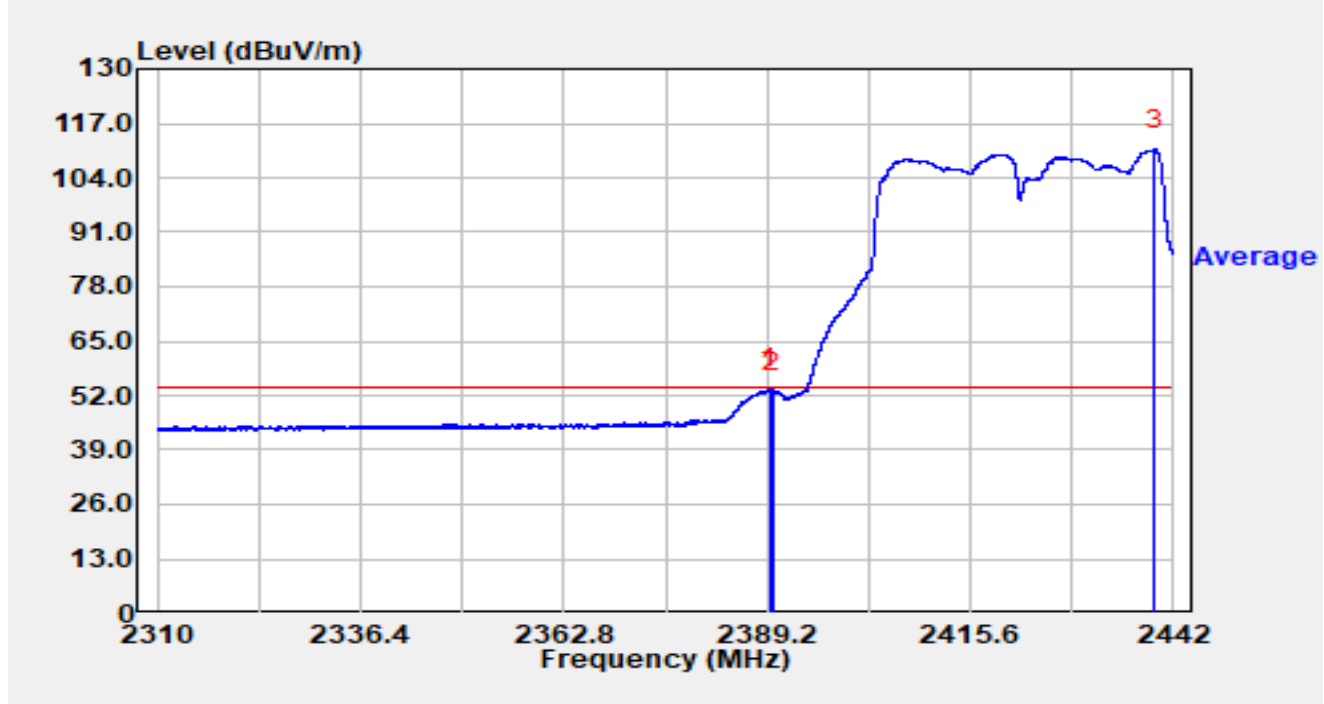


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	2387.524	34.01	32.68	66.68	-7.32	74.00	Peak
2		2390.000	30.99	32.69	63.68	-10.32	74.00	Peak
3		2438.858	85.50	32.92	118.42	N/A	N/A	Peak

Notes:

1. “ * “, means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2025-02-12
Temperature	16.4 °C	Humidity	47.5 %
Limit	FCC_Part 15_Band Edge(3m)	Test Engineer	Justin Guo
Factor	HF907_102861	Polarity	Horizontal
EUT	FWA Gateway	Test Voltage	AC 120V/60Hz
Test Mode	Transmit By 802.11n-HT40 at 2422MHz		

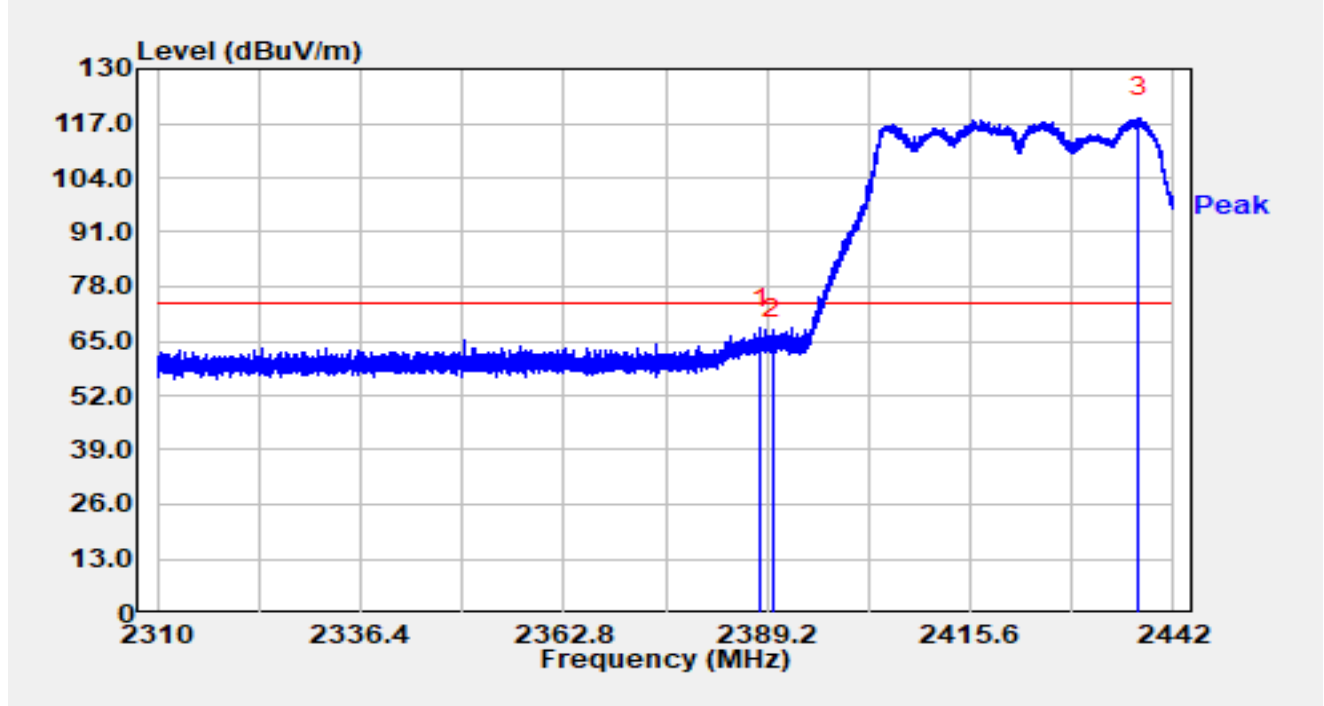


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	2389.635	20.82	32.69	53.51	-0.49	54.00	Average
2		2390.000	20.14	32.69	52.83	-1.17	54.00	Average
3		2439.505	77.74	32.92	110.66	N/A	N/A	Average

Notes:

1. “ * “, means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2025-02-12
Temperature	16.4 °C	Humidity	47.5 %
Limit	FCC_Part 15_Band Edge(3m)	Test Engineer	Justin Guo
Factor	HF907_102861	Polarity	Vertical
EUT	FWA Gateway	Test Voltage	AC 120V/60Hz
Test Mode	Transmit By 802.11n-HT40 at 2422MHz		

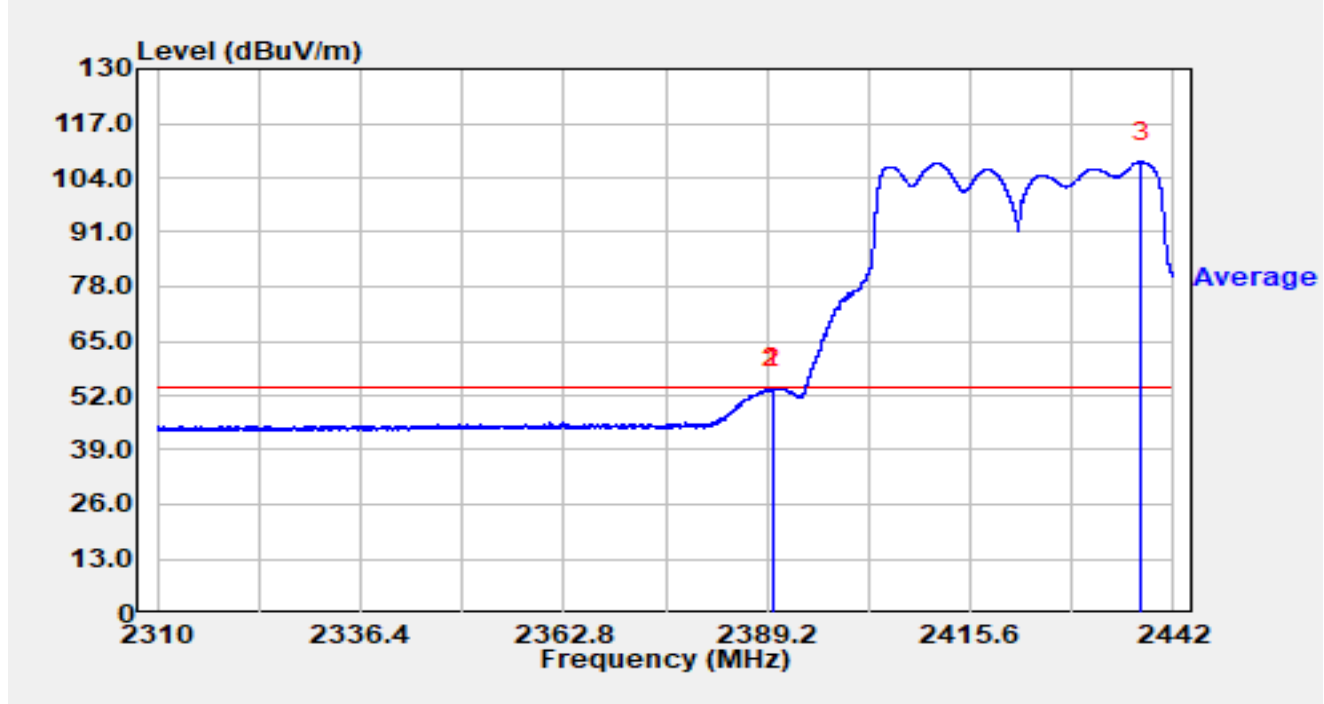


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	2388.355	35.29	32.68	67.97	-6.03	74.00	Peak
2		2390.000	32.81	32.69	65.50	-8.50	74.00	Peak
3		2437.486	85.45	32.91	118.36	N/A	N/A	Peak

Notes:

1. “ * “, means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2025-02-12
Temperature	16.4 °C	Humidity	47.5 %
Limit	FCC_Part 15_Band Edge(3m)	Test Engineer	Justin Guo
Factor	HF907_102861	Polarity	Vertical
EUT	FWA Gateway	Test Voltage	AC 120V/60Hz
Test Mode	Transmit By 802.11n-HT40 at 2422MHz		

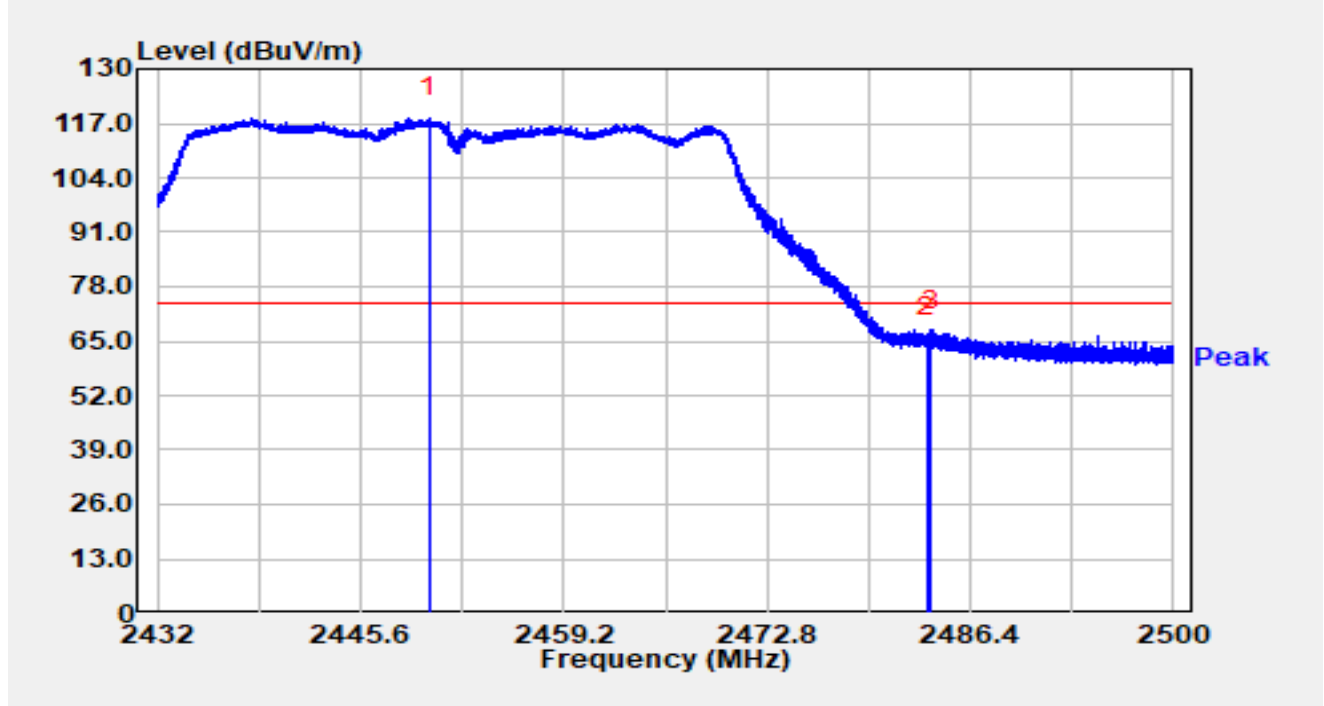


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	2389.913	20.98	32.69	53.67	-0.33	54.00	Average
2		2390.000	20.82	32.69	53.51	-0.49	54.00	Average
3		2437.895	74.91	32.91	107.82	N/A	N/A	Average

Notes:

1. “ * “, means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2025-02-12
Temperature	16.4 °C	Humidity	47.5 %
Limit	FCC_Part 15_Band Edge(3m)	Test Engineer	Justin Guo
Factor	HF907_102861	Polarity	Horizontal
EUT	FWA Gateway	Test Voltage	AC 120V/60Hz
Test Mode	Transmit By 802.11n-HT40 at 2452MHz		

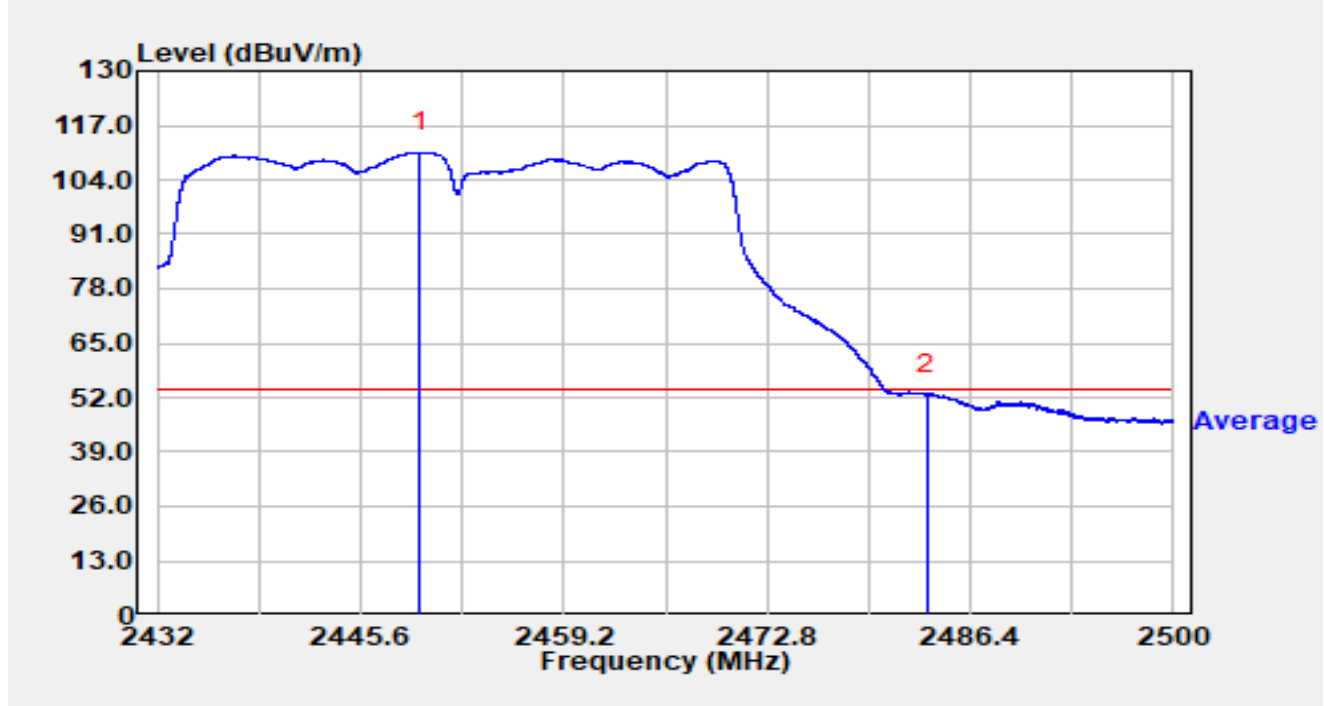


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		2450.210	85.35	32.95	118.30	N/A	N/A	Peak
2		2483.500	32.86	33.13	65.99	-8.01	74.00	Peak
3	*	2483.802	34.54	33.13	67.67	-6.33	74.00	Peak

Notes:

1. “ * “, means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2025-02-12
Temperature	16.4 °C	Humidity	47.5 %
Limit	FCC_Part 15_Band Edge(3m)	Test Engineer	Justin Guo
Factor	HF907_102861	Polarity	Horizontal
EUT	FWA Gateway	Test Voltage	AC 120V/60Hz
Test Mode	Transmit By 802.11n-HT40 at 2452MHz		

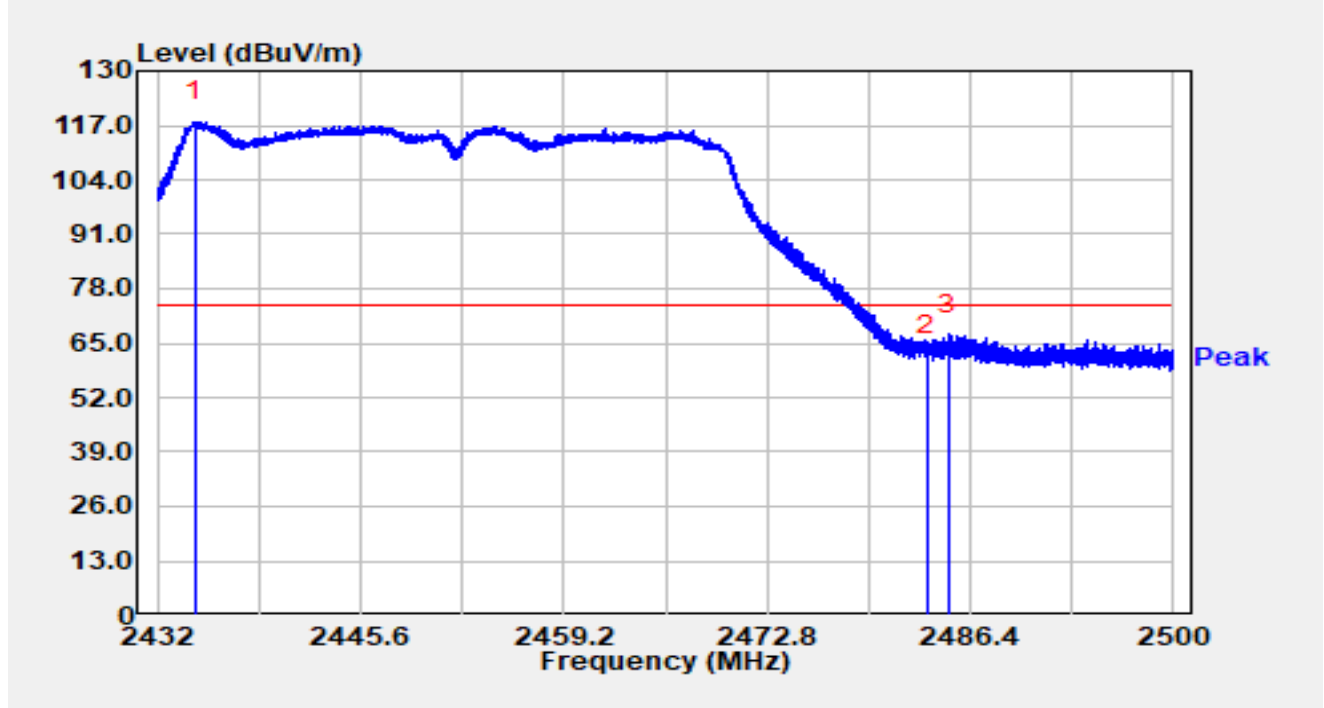


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		2449.564	77.64	32.95	110.59	N/A	N/A	Average
2	*	2483.500	19.66	33.13	52.79	-1.21	54.00	Average

Notes:

1. “ * “, means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2025-02-12
Temperature	16.4 °C	Humidity	47.5 %
Limit	FCC_Part 15_Band Edge(3m)	Test Engineer	Justin Guo
Factor	HF907_102861	Polarity	Vertical
EUT	FWA Gateway	Test Voltage	AC 120V/60Hz
Test Mode	Transmit By 802.11n-HT40 at 2452MHz		

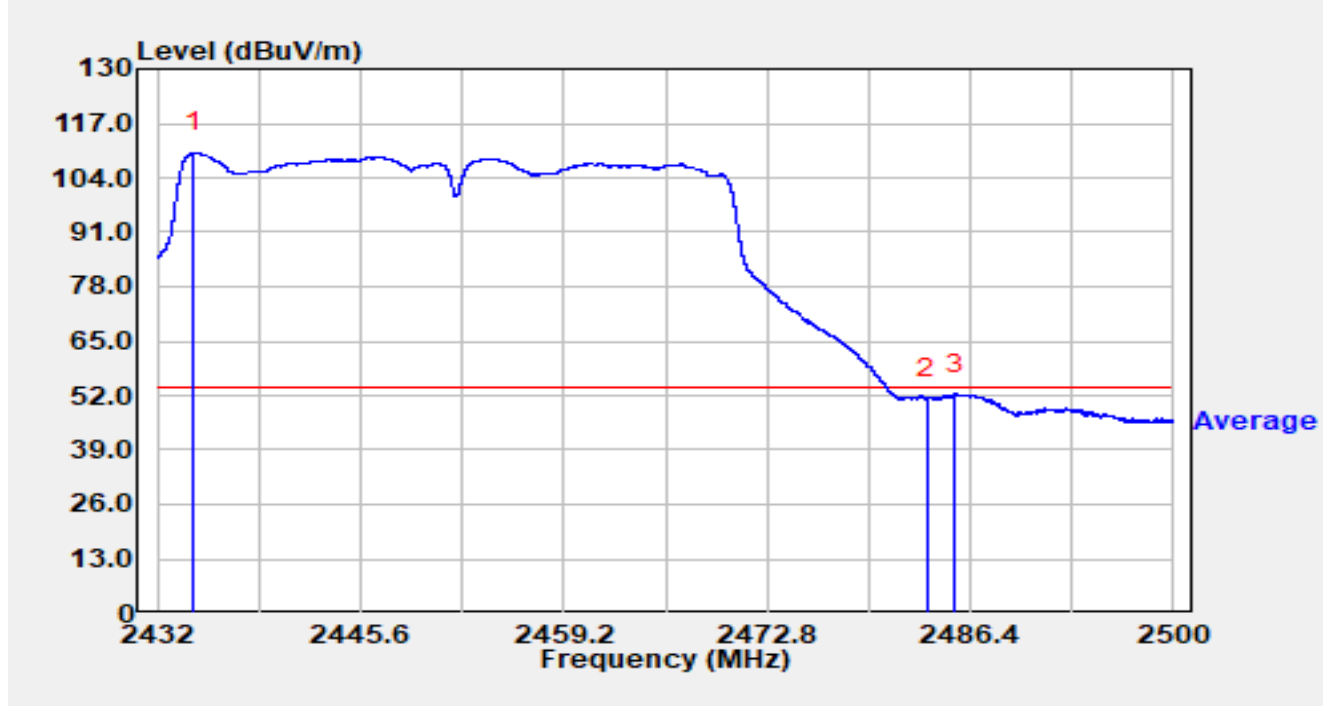


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		2434.523	84.92	32.90	117.82	N/A	N/A	Peak
2		2483.500	29.03	33.13	62.16	-11.84	74.00	Peak
3	*	2484.965	33.88	33.14	67.02	-6.98	74.00	Peak

Notes:

1. “ * “, means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2025-02-12
Temperature	16.4 °C	Humidity	47.5 %
Limit	FCC_Part 15_Band Edge(3m)	Test Engineer	Justin Guo
Factor	HF907_102861	Polarity	Vertical
EUT	FWA Gateway	Test Voltage	AC 120V/60Hz
Test Mode	Transmit By 802.11n-HT40 at 2452MHz		

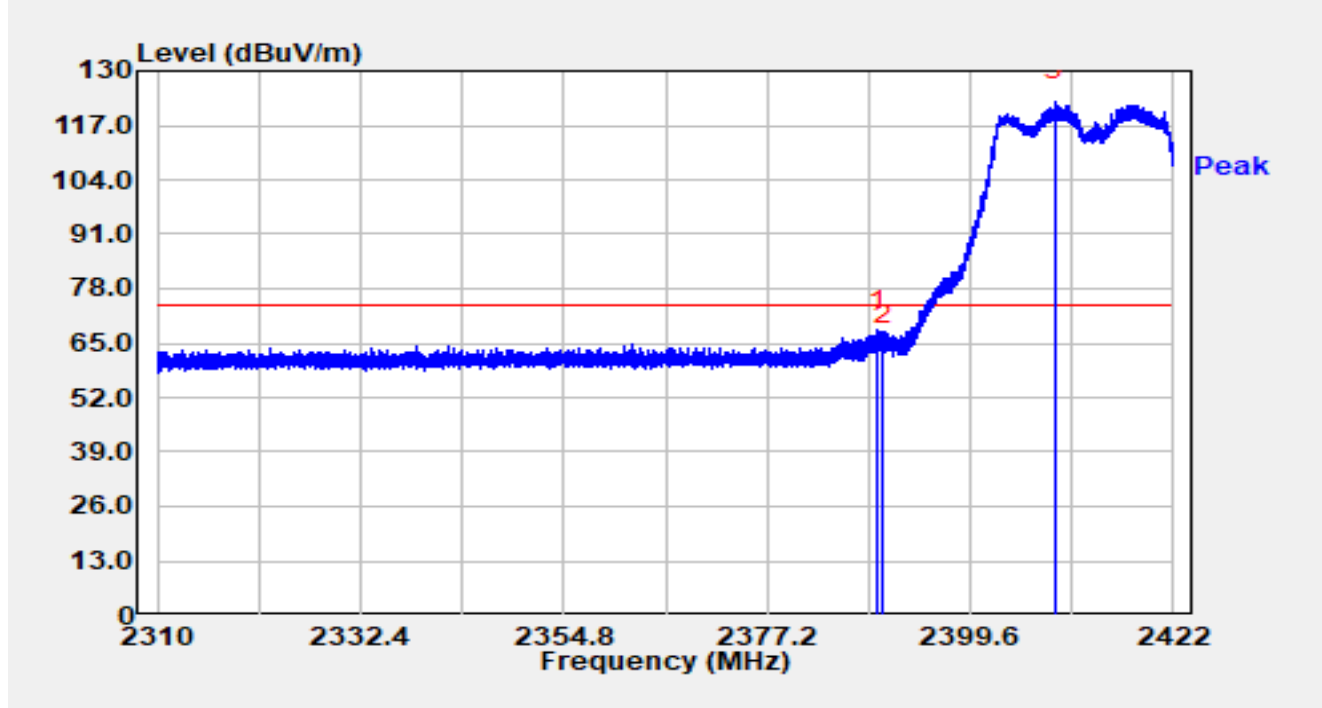


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		2434.441	77.06	32.90	109.95	N/A	N/A	Average
2		2483.500	18.26	33.13	51.39	-2.61	54.00	Average
3	*	2485.394	19.13	33.14	52.27	-1.73	54.00	Average

Notes:

1. “ * “, means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2025-02-12
Temperature	16.4 °C	Humidity	47.5 %
Limit	FCC_Part 15_Band Edge(3m)	Test Engineer	Justin Guo
Factor	HF907_102861	Polarity	Horizontal
EUT	FWA Gateway	Test Voltage	AC 120V/60Hz
Test Mode	Transmit By 802.11ax-HE20 at 2412MHz		

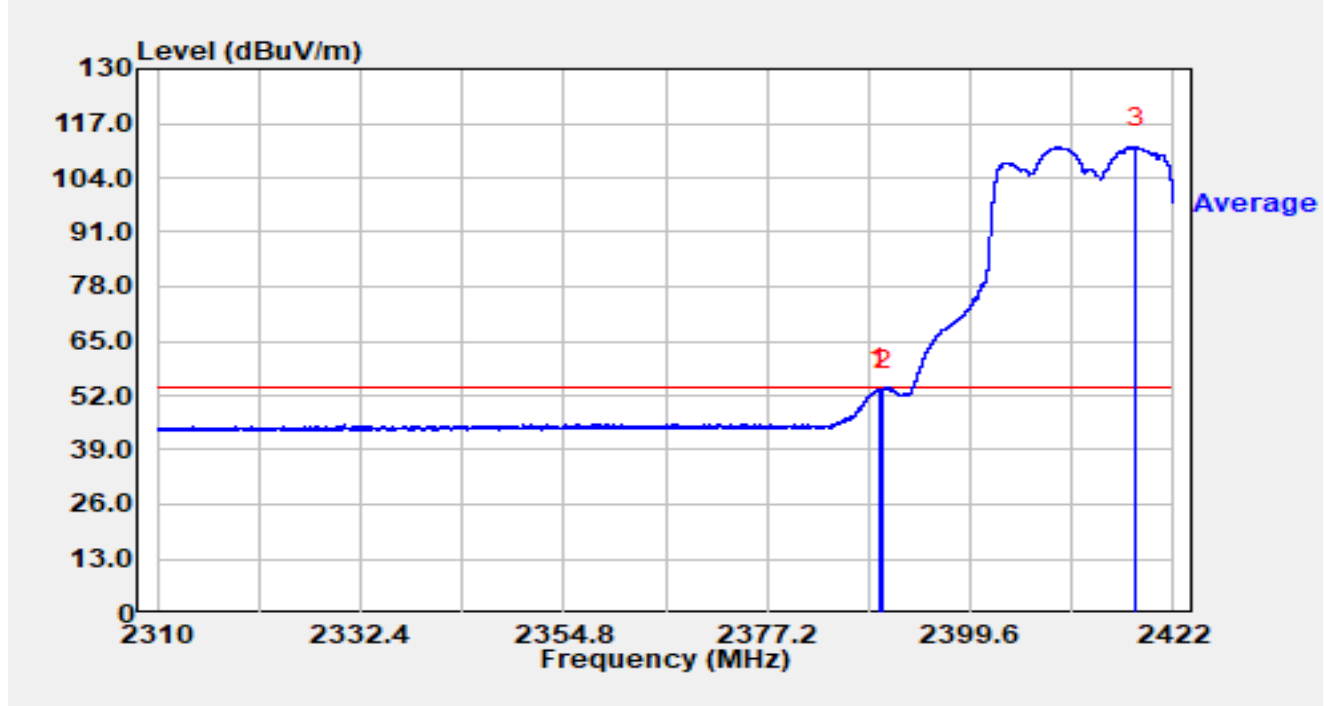


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	2389.375	35.40	32.68	68.09	-5.91	74.00	Peak
2		2390.002	31.92	32.69	64.61	-9.39	74.00	Peak
3		2408.885	90.12	32.76	122.88	N/A	N/A	Peak

Notes:

1. “ * “, means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2025-02-12
Temperature	16.4 °C	Humidity	47.5 %
Limit	FCC_Part 15_Band Edge(3m)	Test Engineer	Justin Guo
Factor	HF907_102861	Polarity	Horizontal
EUT	FWA Gateway	Test Voltage	AC 120V/60Hz
Test Mode	Transmit By 802.11ax-HE20 at 2412MHz		

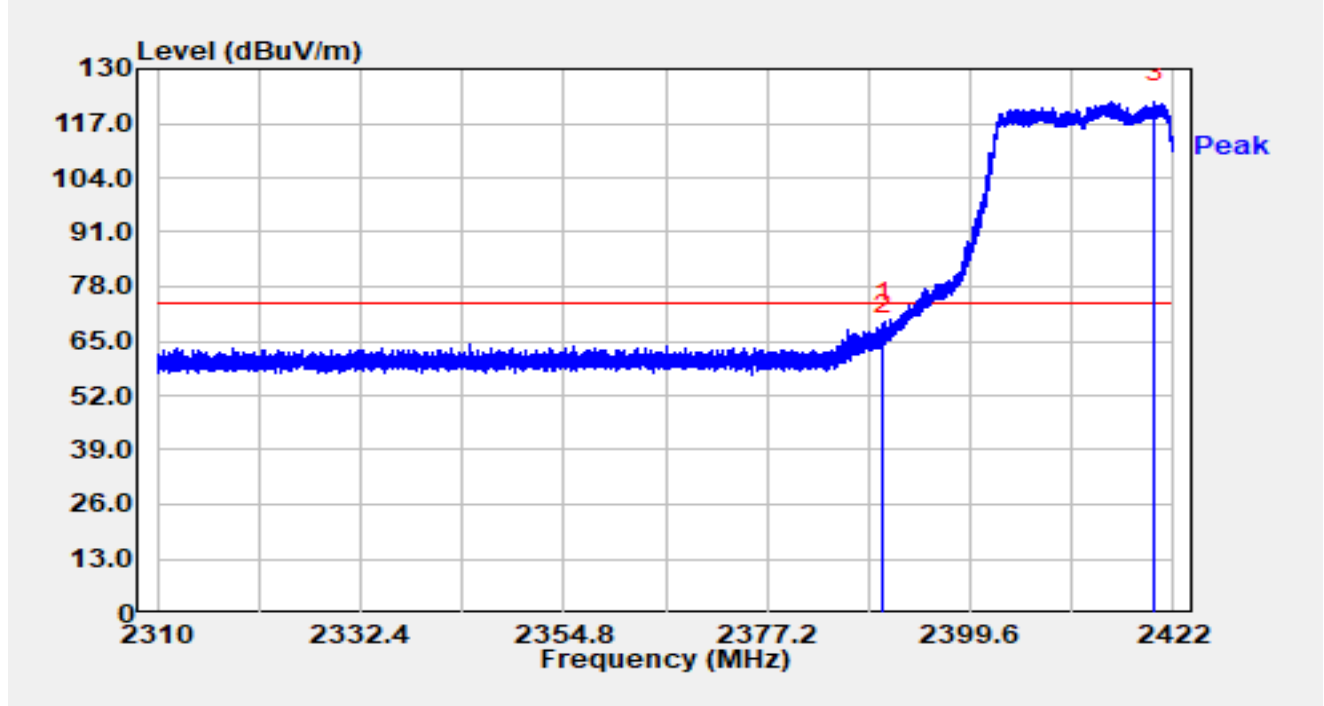


No	Mark	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Detector
1	*	2389.598	20.97	32.69	53.66	-0.34	54.00	Average
2		2390.000	20.67	32.69	53.36	-0.64	54.00	Average
3		2417.901	78.42	32.81	111.23	N/A	N/A	Average

Notes:

1. “ * “, means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBUV/m) = Reading (dBUV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2025-02-12
Temperature	16.4 °C	Humidity	47.5 %
Limit	FCC_Part 15_Band Edge(3m)	Test Engineer	Justin Guo
Factor	HF907_102861	Polarity	Vertical
EUT	FWA Gateway	Test Voltage	AC 120V/60Hz
Test Mode	Transmit By 802.11ax-HE20 at 2412MHz		

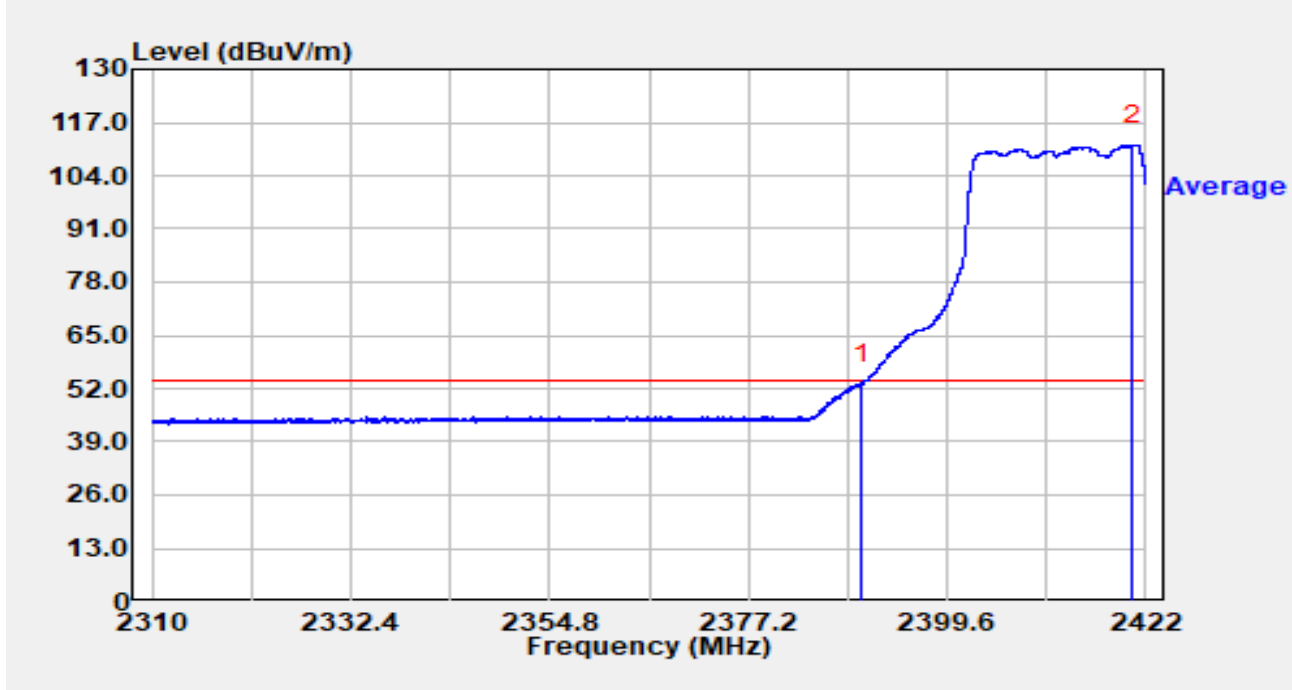


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	2389.957	36.67	32.69	69.36	-4.64	74.00	Peak
2		2390.000	33.55	32.69	66.24	-7.76	74.00	Peak
3		2419.883	89.17	32.82	121.99	N/A	N/A	Peak

Notes:

1. “ * “, means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2025-02-12
Temperature	16.4 °C	Humidity	47.5 %
Limit	FCC_Part 15_Band Edge(3m)	Test Engineer	Justin Guo
Factor	HF907_102861	Polarity	Vertical
EUT	FWA Gateway	Test Voltage	AC 120V/60Hz
Test Mode	Transmit By 802.11ax-HE20 at 2412MHz		

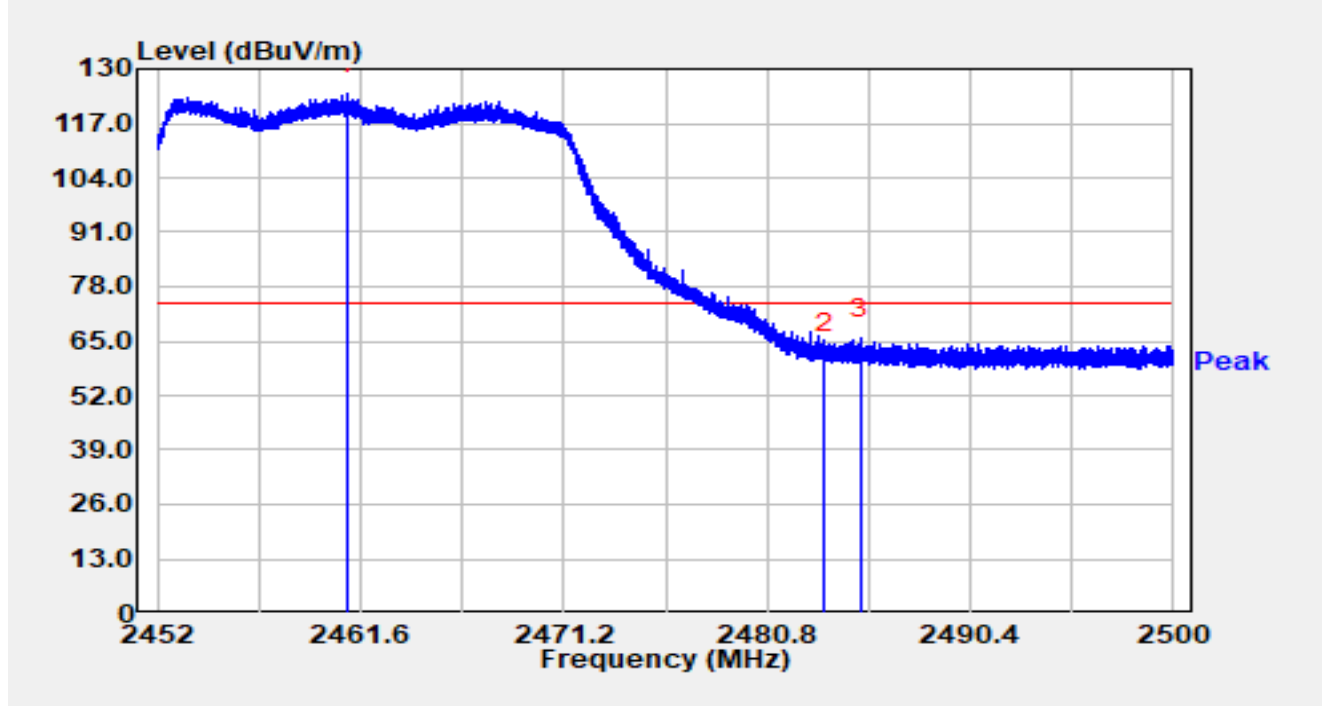


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	2390.000	20.67	32.69	53.35	-0.65	54.00	Average
2		2420.544	78.70	32.83	111.52	N/A	N/A	Average

Notes:

- " * ", means this data is the worst emission level.
- C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
- Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2025-02-12
Temperature	16.4 °C	Humidity	47.5 %
Limit	FCC_Part 15_Band Edge(3m)	Test Engineer	Justin Guo
Factor	HF907_102861	Polarity	Horizontal
EUT	FWA Gateway	Test Voltage	AC 120V/60Hz
Test Mode	Transmit By 802.11ax-HE20 at 2462MHz		

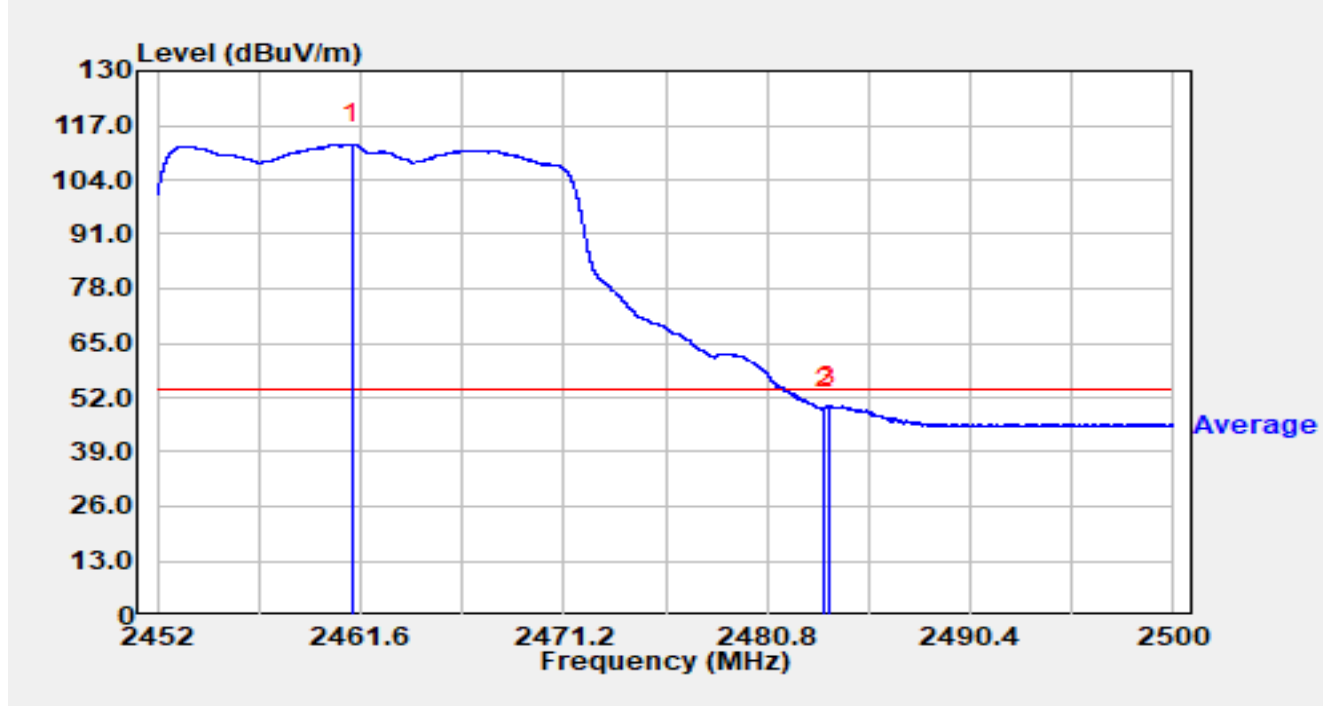


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		2460.914	90.94	32.98	123.93	N/A	N/A	Peak
2		2483.500	28.94	33.13	62.07	-11.93	74.00	Peak
3	*	2485.221	32.50	33.14	65.64	-8.36	74.00	Peak

Notes:

1. “ * “, means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2025-02-12
Temperature	16.4 °C	Humidity	47.5 %
Limit	FCC_Part 15_Band Edge(3m)	Test Engineer	Justin Guo
Factor	HF907_102861	Polarity	Horizontal
EUT	FWA Gateway	Test Voltage	AC 120V/60Hz
Test Mode	Transmit By 802.11ax-HE20 at 2462MHz		

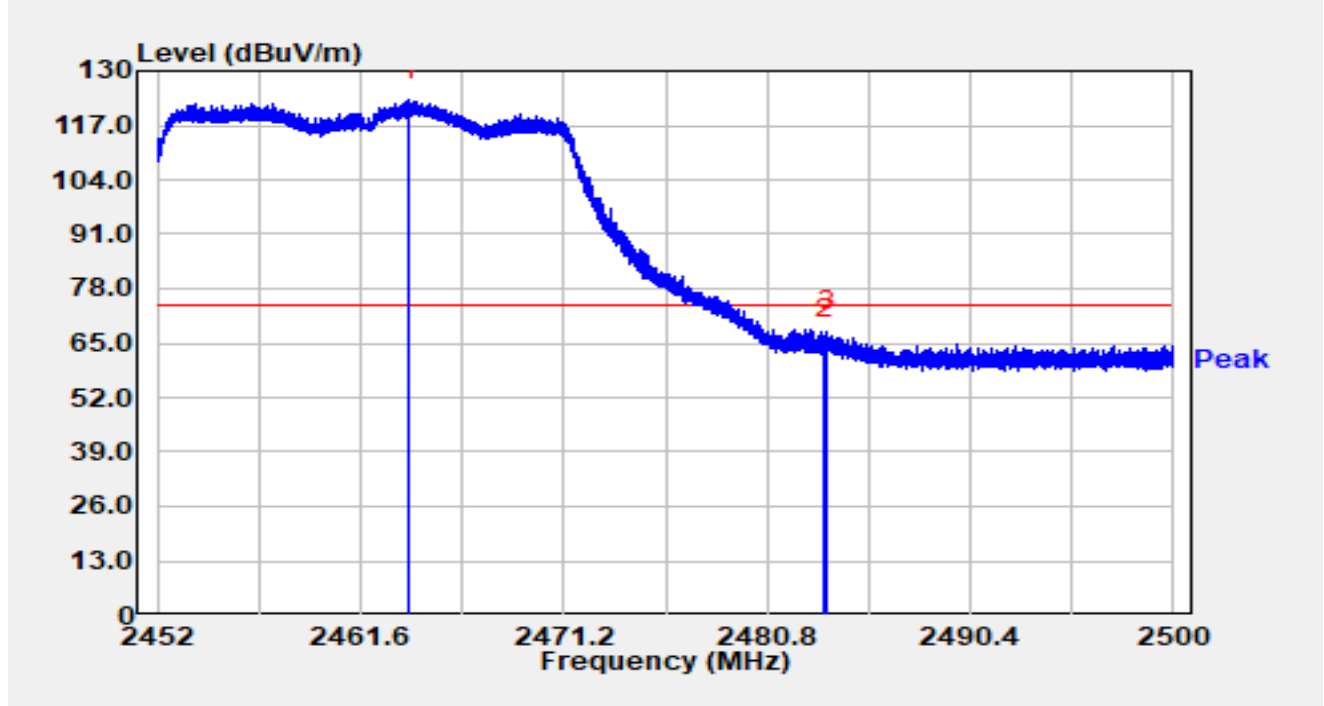


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		2461.211	79.49	32.98	112.48	N/A	N/A	Average
2		2483.500	16.11	33.13	49.24	-4.76	54.00	Average
3	*	2483.675	16.86	33.13	49.99	-4.01	54.00	Average

Notes:

1. “ * “, means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2025-02-12
Temperature	16.4 °C	Humidity	47.5 %
Limit	FCC_Part 15_Band Edge(3m)	Test Engineer	Justin Guo
Factor	HF907_102861	Polarity	Vertical
EUT	FWA Gateway	Test Voltage	AC 120V/60Hz
Test Mode	Transmit By 802.11ax-HE20 at 2462MHz		

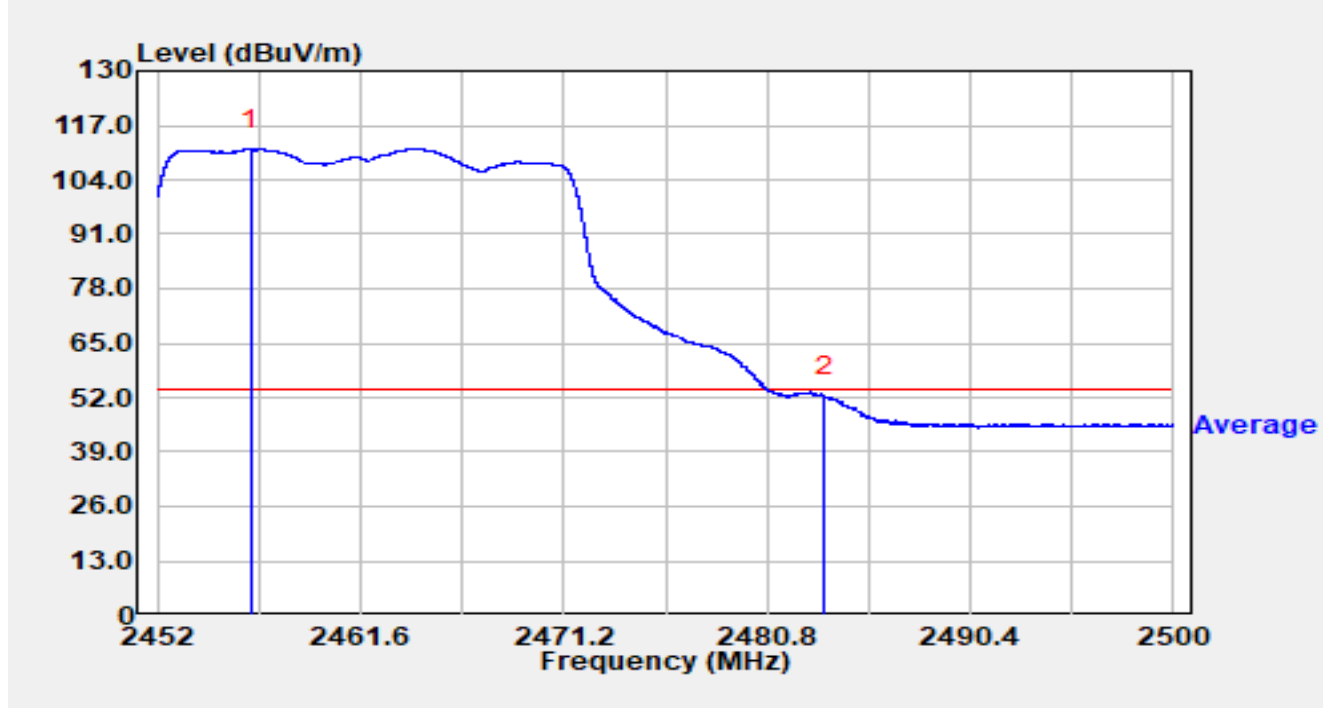


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		2463.899	90.11	33.00	123.11	N/A	N/A	Peak
2		2483.500	33.02	33.13	66.15	-7.85	74.00	Peak
3	*	2483.622	34.64	33.13	67.77	-6.23	74.00	Peak

Notes:

1. “ * “, means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2025-02-12
Temperature	16.4 °C	Humidity	47.5 %
Limit	FCC_Part 15_Band Edge(3m)	Test Engineer	Justin Guo
Factor	HF907_102861	Polarity	Vertical
EUT	FWA Gateway	Test Voltage	AC 120V/60Hz
Test Mode	Transmit By 802.11ax-HE20 at 2462MHz		

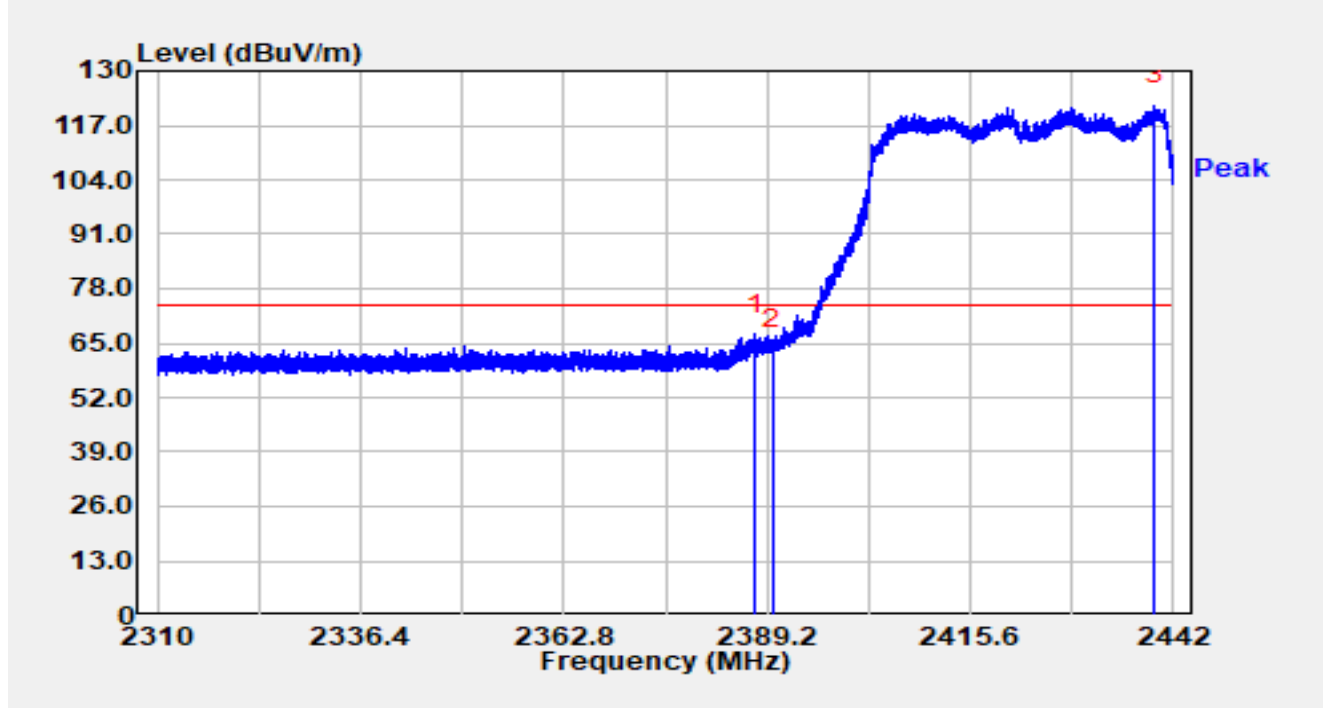


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		2456.445	78.34	32.97	111.31	N/A	N/A	Average
2	*	2483.500	19.28	33.13	52.41	-1.59	54.00	Average

Notes:

1. “ * “, means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2025-02-12
Temperature	16.4 °C	Humidity	47.5 %
Limit	FCC_Part 15_Band Edge(3m)	Test Engineer	Justin Guo
Factor	HF907_102861	Polarity	Horizontal
EUT	FWA Gateway	Test Voltage	AC 120V/60Hz
Test Mode	Transmit By 802.11ax-HE40 at 2422MHz		

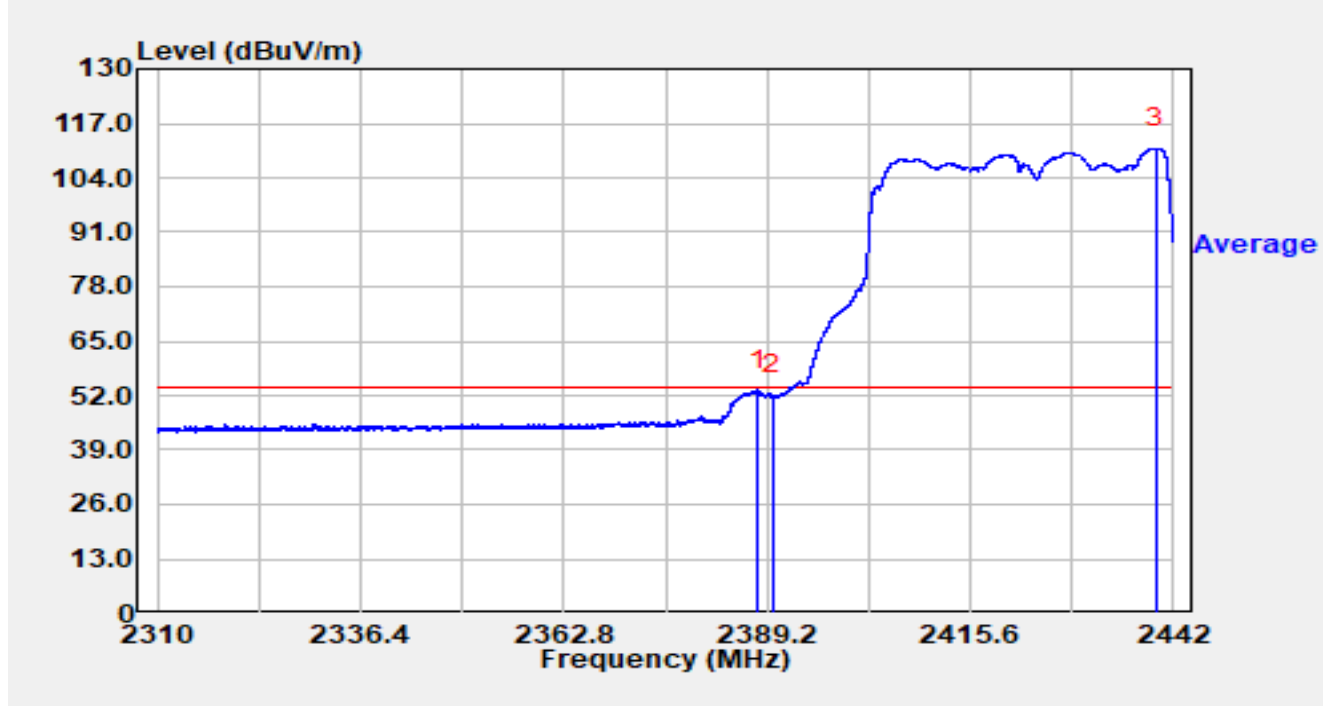


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	2387.708	34.50	32.68	67.18	-6.82	74.00	Peak
2		2390.000	30.81	32.69	63.50	-10.50	74.00	Peak
3		2439.624	88.98	32.92	121.90	N/A	N/A	Peak

Notes:

1. “ * “, means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2025-02-12
Temperature	16.4 °C	Humidity	47.5 %
Limit	FCC_Part 15_Band Edge(3m)	Test Engineer	Justin Guo
Factor	HF907_102861	Polarity	Horizontal
EUT	FWA Gateway	Test Voltage	AC 120V/60Hz
Test Mode	Transmit By 802.11ax-HE40 at 2422MHz		

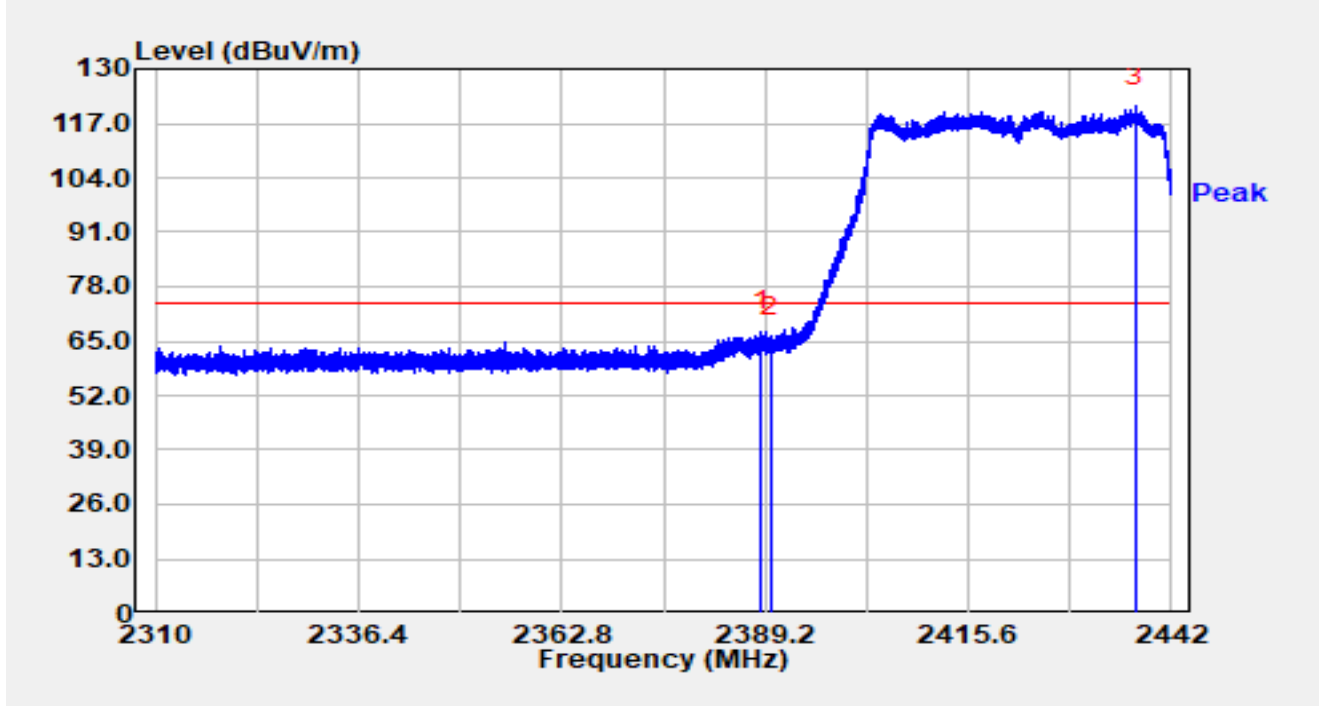


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	2388.038	20.55	32.68	53.23	-0.77	54.00	Average
2		2390.000	19.42	32.69	52.10	-1.90	54.00	Average
3		2439.690	78.11	32.92	111.03	N/A	N/A	Average

Notes:

1. “ * “, means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2025-02-12
Temperature	16.4 °C	Humidity	47.5 %
Limit	FCC_Part 15_Band Edge(3m)	Test Engineer	Justin Guo
Factor	HF907_102861	Polarity	Vertical
EUT	FWA Gateway	Test Voltage	AC 120V/60Hz
Test Mode	Transmit By 802.11ax-HE40 at 2422MHz		

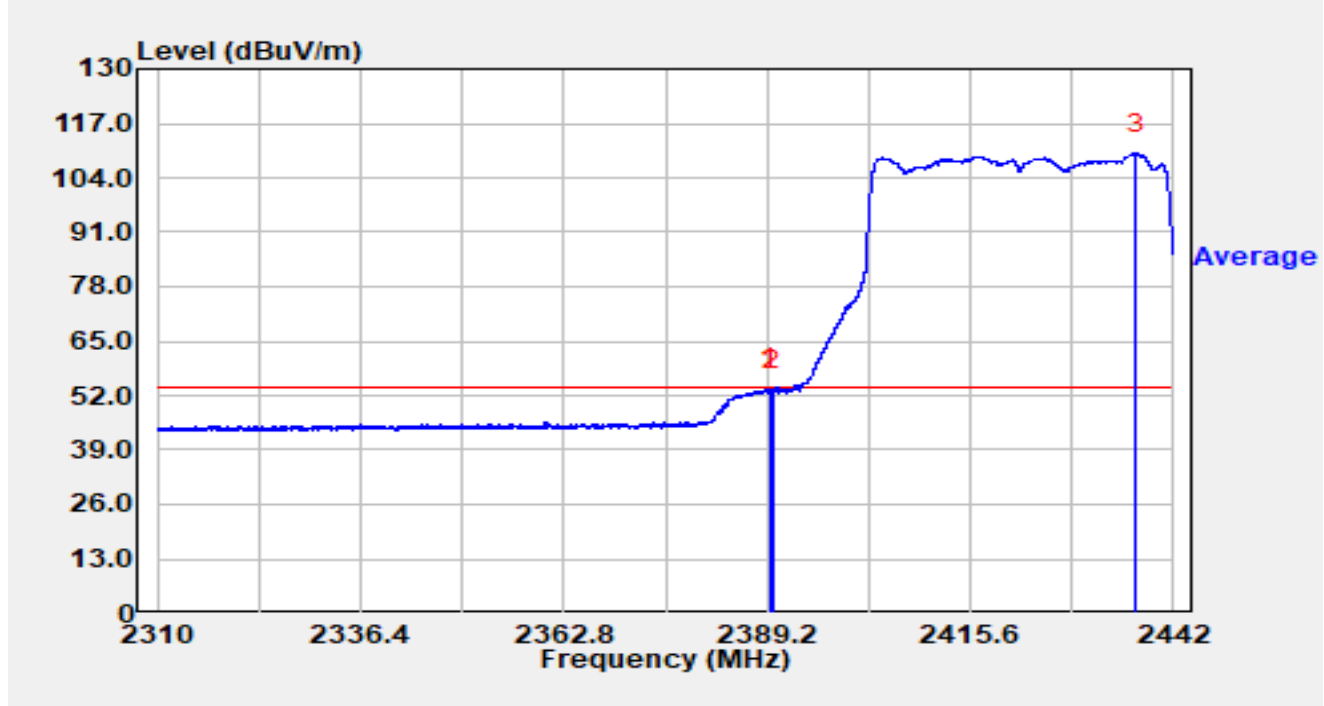


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	2388.685	34.63	32.68	67.31	-6.69	74.00	Peak
2		2390.000	33.22	32.69	65.91	-8.09	74.00	Peak
3		2437.222	88.18	32.91	121.09	N/A	N/A	Peak

Notes:

1. “ * “, means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2025-02-12
Temperature	16.4 °C	Humidity	47.5 %
Limit	FCC_Part 15_Band Edge(3m)	Test Engineer	Justin Guo
Factor	HF907_102861	Polarity	Vertical
EUT	FWA Gateway	Test Voltage	AC 120V/60Hz
Test Mode	Transmit By 802.11ax-HE40 at 2422MHz		

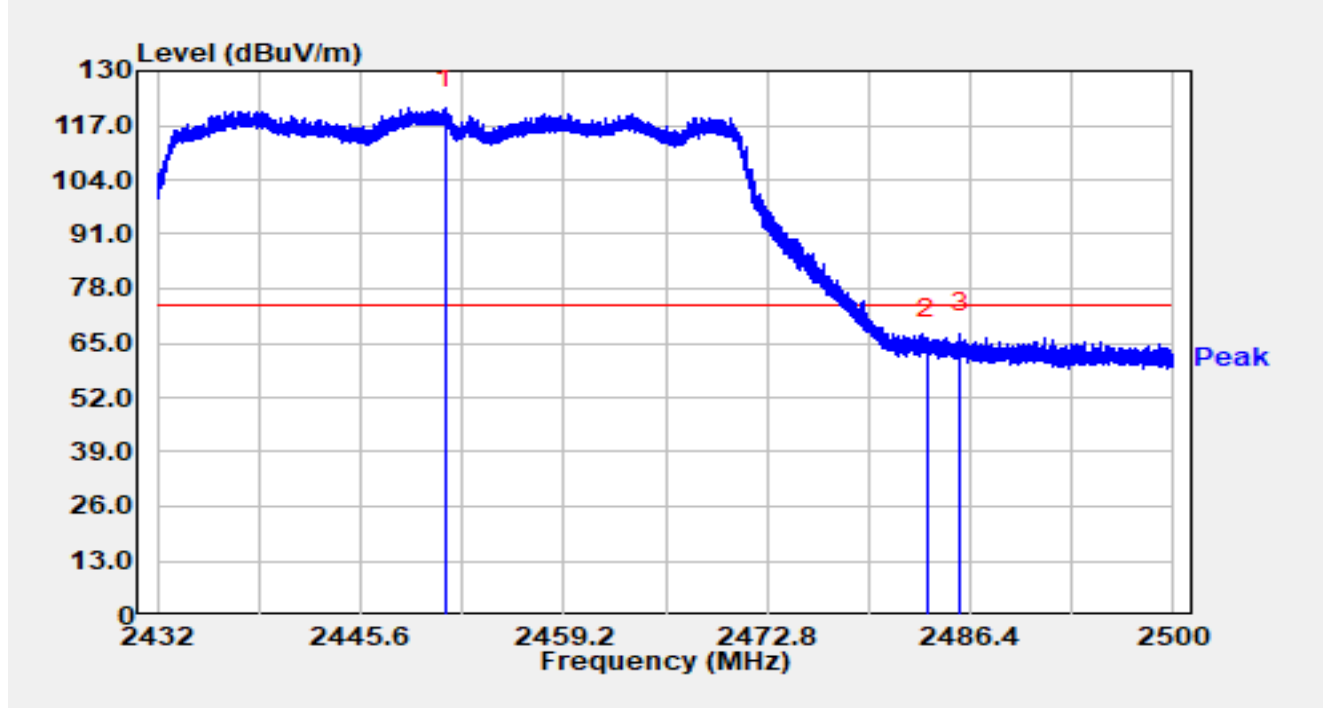


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	2389.517	20.80	32.69	53.48	-0.52	54.00	Average
2		2390.000	20.58	32.69	53.27	-0.73	54.00	Average
3		2437.195	76.81	32.91	109.72	N/A	N/A	Average

Notes:

1. “ * “, means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2025-02-12
Temperature	16.4 °C	Humidity	47.5 %
Limit	FCC_Part 15_Band Edge(3m)	Test Engineer	Justin Guo
Factor	HF907_102861	Polarity	Horizontal
EUT	FWA Gateway	Test Voltage	AC 120V/60Hz
Test Mode	Transmit By 802.11ax-HE40 at 2452MHz		

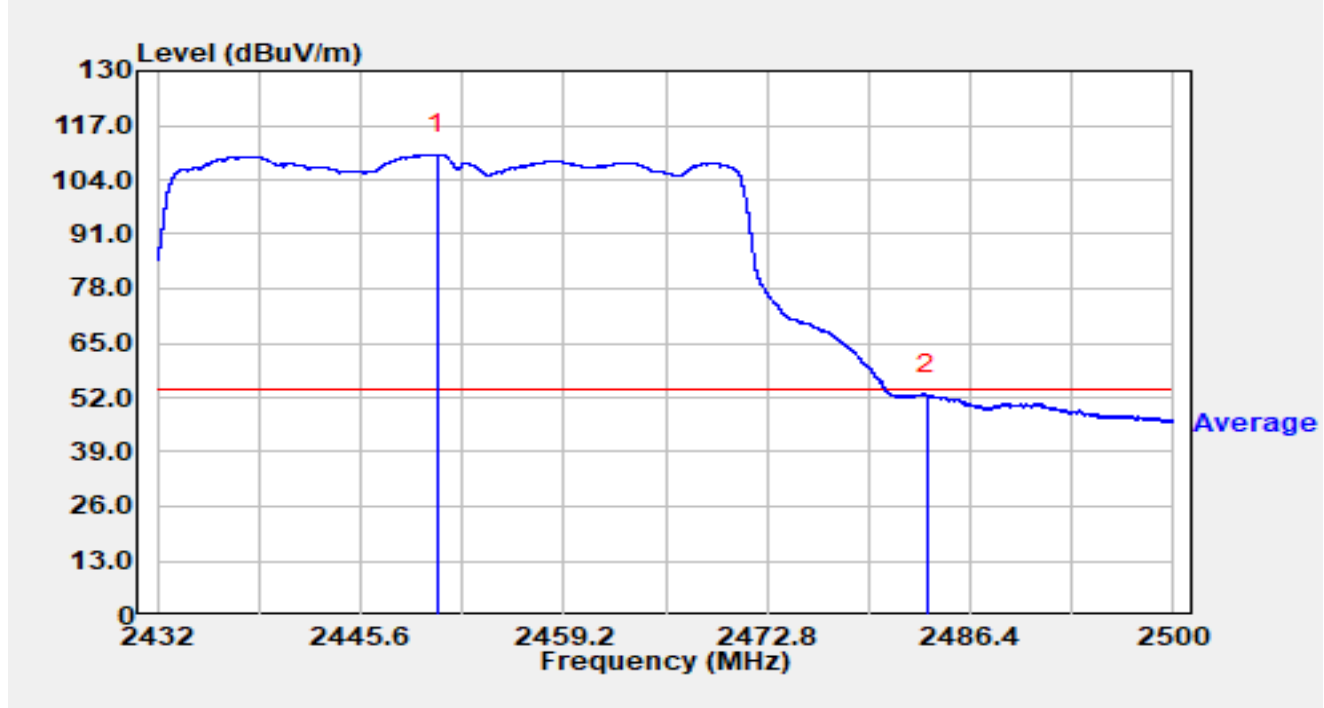


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		2451.278	88.12	32.96	121.08	N/A	N/A	Peak
2		2483.500	33.03	33.13	66.16	-7.84	74.00	Peak
3	*	2485.768	34.23	33.14	67.37	-6.63	74.00	Peak

Notes:

1. “ * “, means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2025-02-12
Temperature	16.4 °C	Humidity	47.5 %
Limit	FCC_Part 15_Band Edge(3m)	Test Engineer	Justin Guo
Factor	HF907_102861	Polarity	Horizontal
EUT	FWA Gateway	Test Voltage	AC 120V/60Hz
Test Mode	Transmit By 802.11ax-HE40 at 2452MHz		

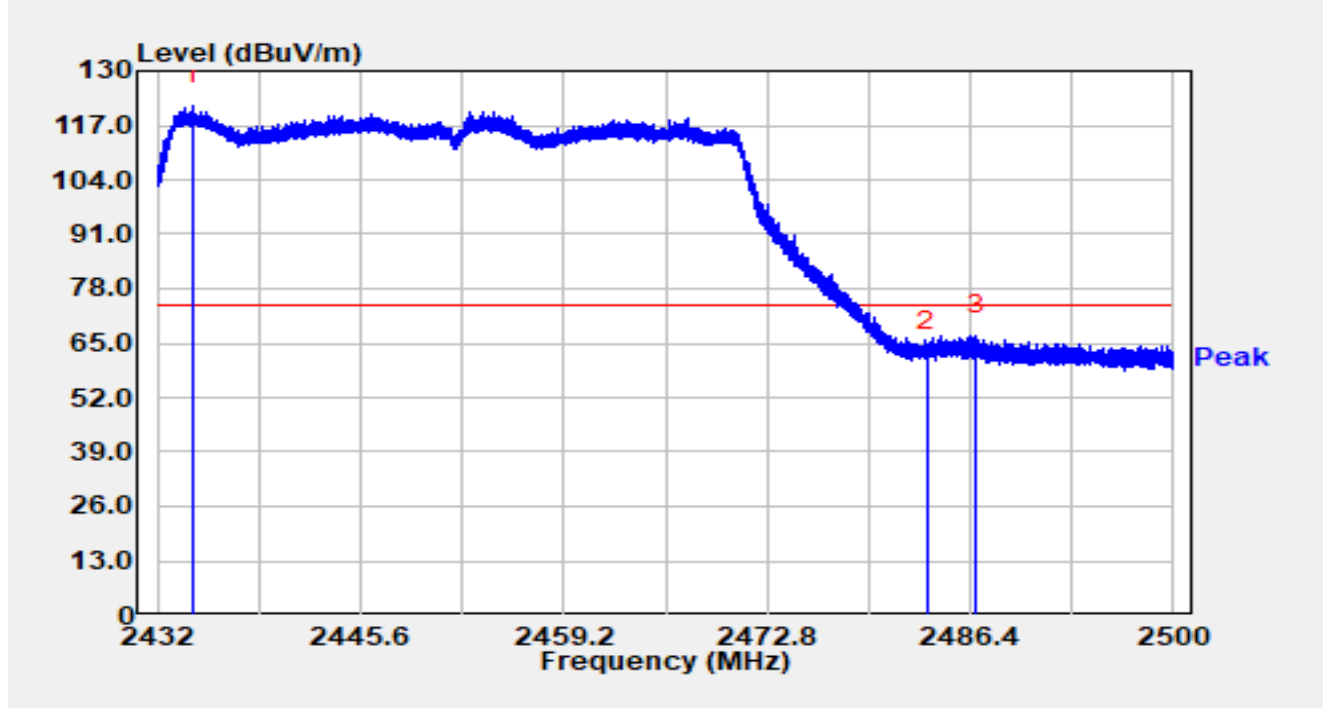


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		2450.727	77.14	32.96	110.09	N/A	N/A	Average
2	*	2483.500	19.47	33.13	52.60	-1.40	54.00	Average

Notes:

1. “ * “, means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2025-02-12
Temperature	16.4 °C	Humidity	47.5 %
Limit	FCC_Part 15_Band Edge(3m)	Test Engineer	Justin Guo
Factor	HF907_102861	Polarity	Vertical
EUT	FWA Gateway	Test Voltage	AC 120V/60Hz
Test Mode	Transmit By 802.11ax-HE40 at 2452MHz		

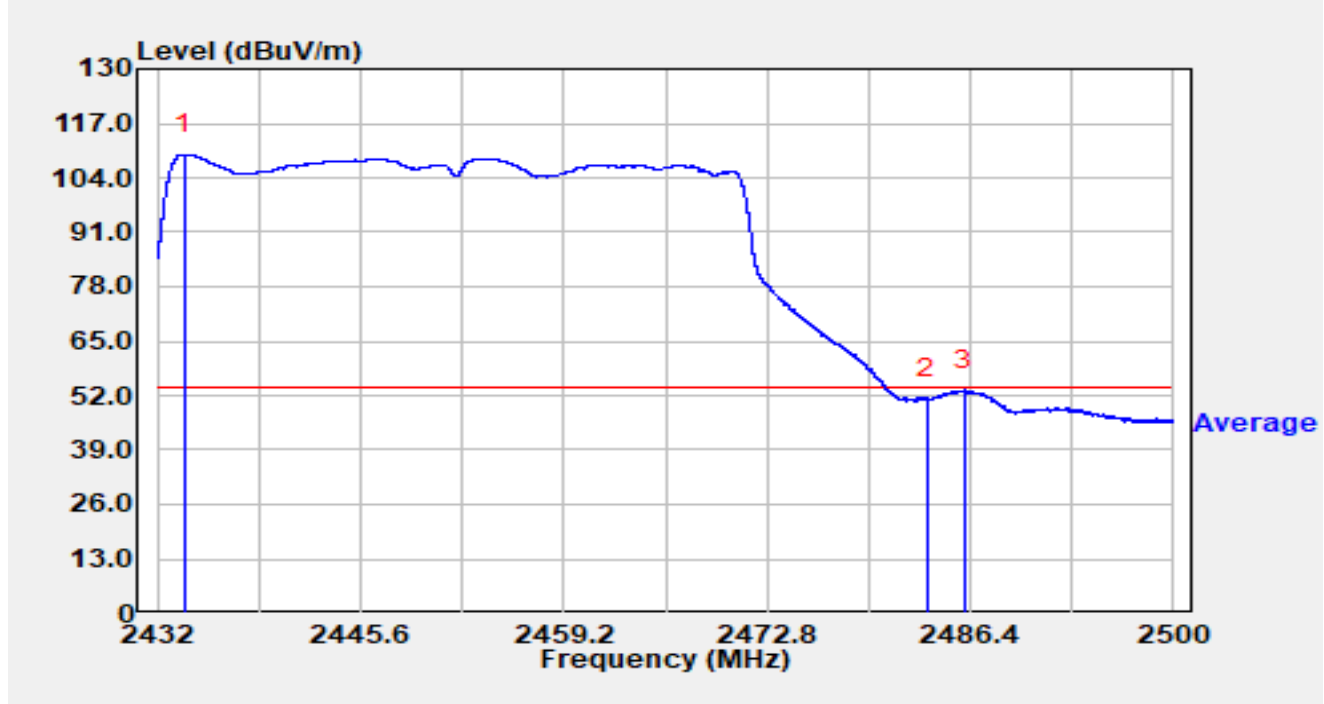


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		2434.373	88.81	32.90	121.70	N/A	N/A	Peak
2		2483.500	29.89	33.13	63.02	-10.98	74.00	Peak
3	*	2486.767	33.76	33.15	66.91	-7.09	74.00	Peak

Notes:

1. “ * “, means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2025-02-12
Temperature	16.4 °C	Humidity	47.5 %
Limit	FCC_Part 15_Band Edge(3m)	Test Engineer	Justin Guo
Factor	HF907_102861	Polarity	Vertical
EUT	FWA Gateway	Test Voltage	AC 120V/60Hz
Test Mode	Transmit By 802.11ax-HE40 at 2452MHz		

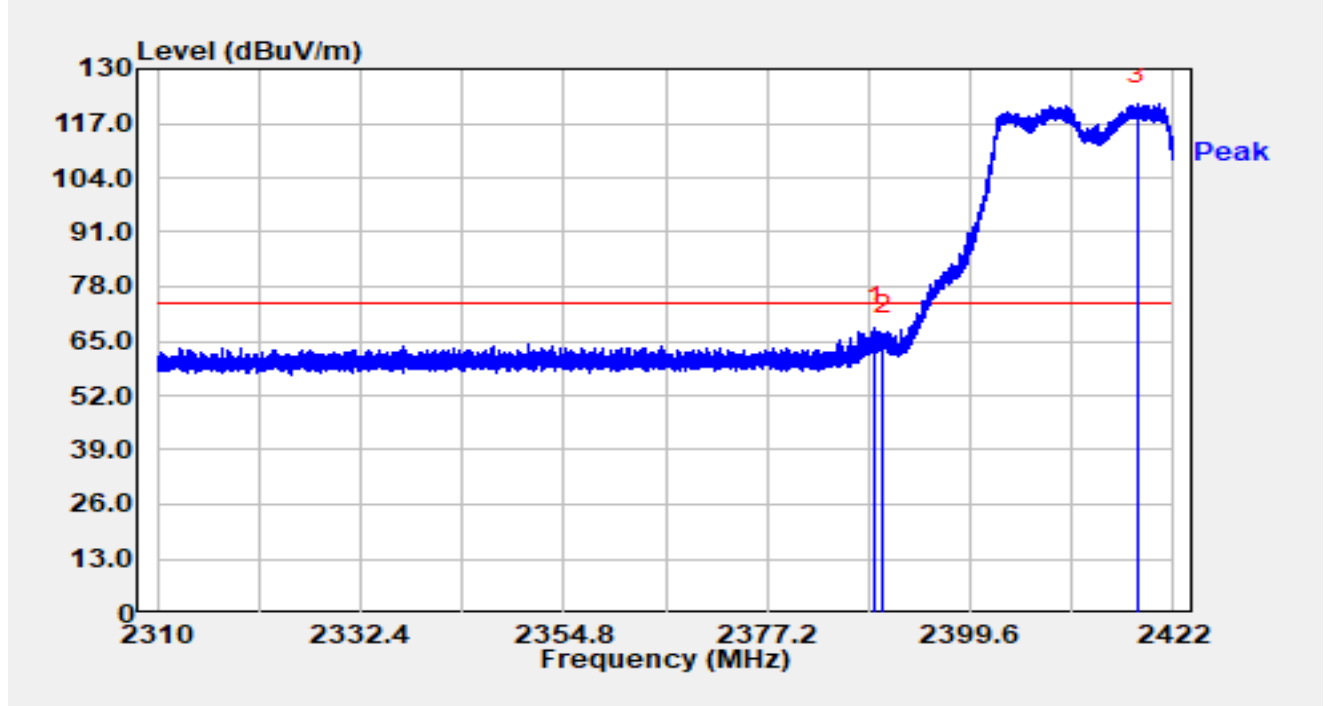


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		2433.761	76.60	32.89	109.49	N/A	N/A	Average
2		2483.500	18.19	33.13	51.33	-2.67	54.00	Average
3	*	2485.999	20.14	33.14	53.29	-0.71	54.00	Average

Notes:

1. “ * “, means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2025-02-12
Temperature	16.4 °C	Humidity	47.5 %
Limit	FCC_Part 15_Band Edge(3m)	Test Engineer	Justin Guo
Factor	HF907_102861	Polarity	Horizontal
EUT	FWA Gateway	Test Voltage	AC 120V/60Hz
Test Mode	Transmit By 802.11be-EHT20 at 2412MHz		

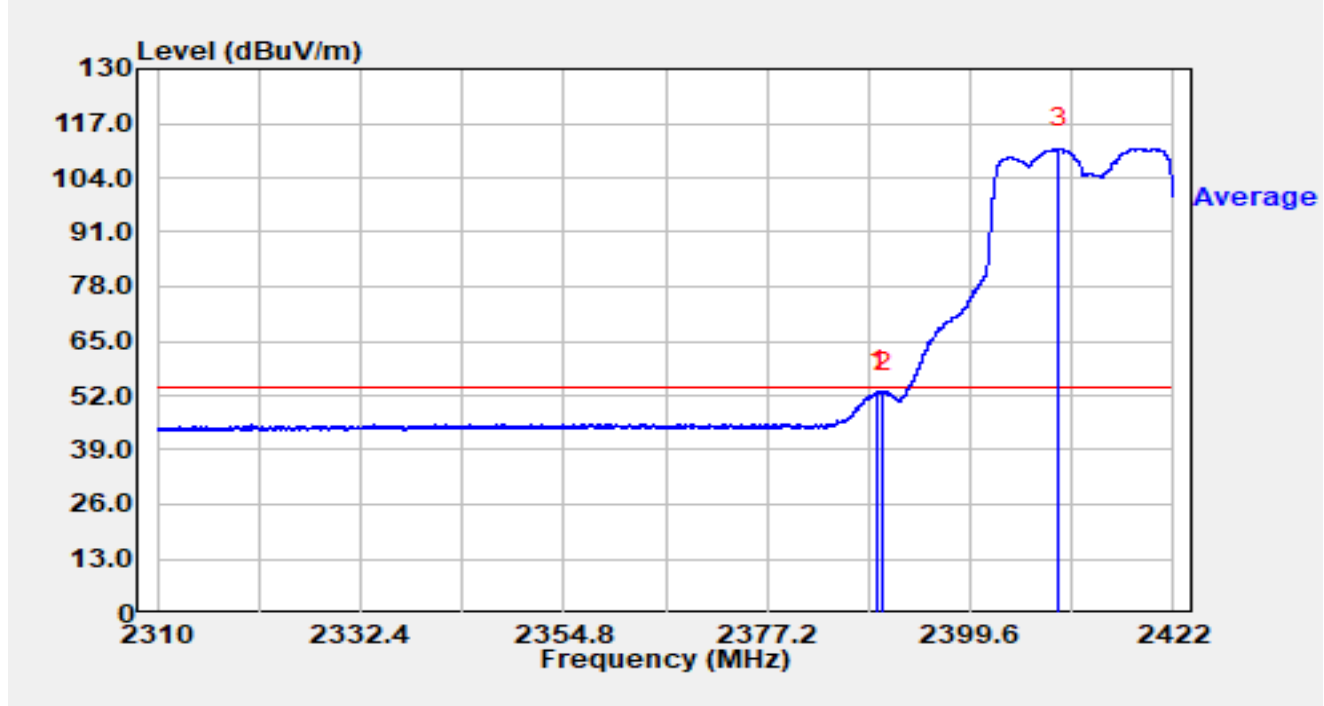


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	2389.094	35.71	32.68	68.40	-5.60	74.00	Peak
2		2390.000	33.86	32.69	66.54	-7.46	74.00	Peak
3		2417.946	88.84	32.81	121.65	N/A	N/A	Peak

Notes:

1. “ * “, means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2025-02-12
Temperature	16.4 °C	Humidity	47.5 %
Limit	FCC_Part 15_Band Edge(3m)	Test Engineer	Justin Guo
Factor	HF907_102861	Polarity	Horizontal
EUT	FWA Gateway	Test Voltage	AC 120V/60Hz
Test Mode	Transmit By 802.11be-EHT20 at 2412MHz		

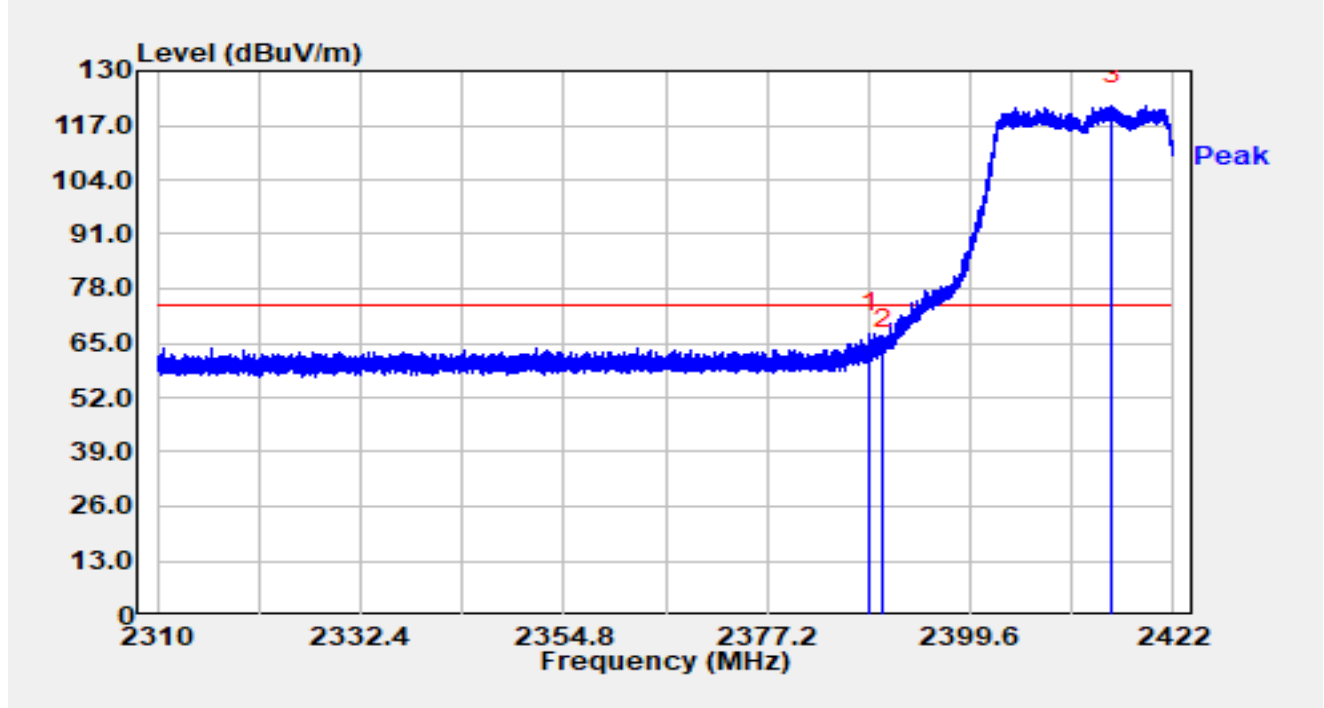


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	2389.385	20.47	32.69	53.16	-0.84	54.00	Average
2		2390.000	20.22	32.69	52.90	-1.10	54.00	Average
3		2409.355	78.14	32.76	110.91	N/A	N/A	Average

Notes:

1. “ * “, means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2025-02-12
Temperature	16.4 °C	Humidity	47.5 %
Limit	FCC_Part 15_Band Edge(3m)	Test Engineer	Justin Guo
Factor	HF907_102861	Polarity	Vertical
EUT	FWA Gateway	Test Voltage	AC 120V/60Hz
Test Mode	Transmit By 802.11be-EHT20 at 2412MHz		

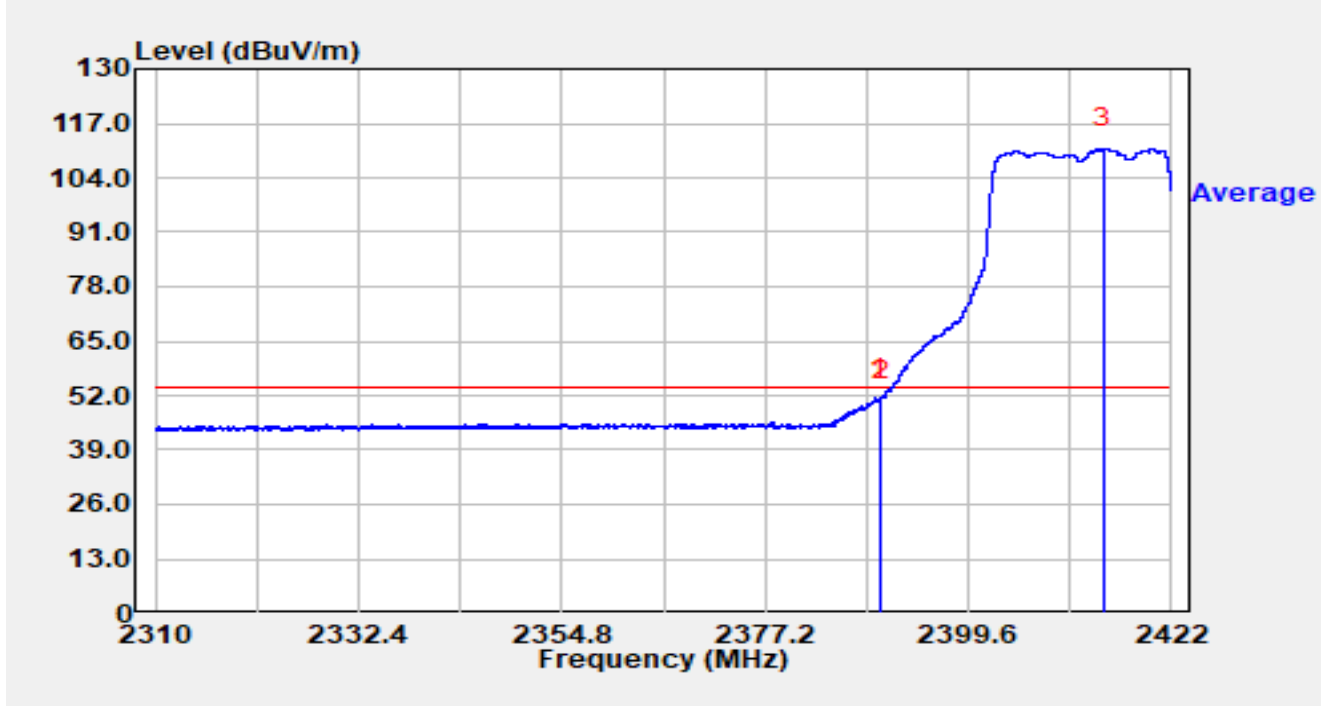


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	2388.456	34.54	32.68	67.22	-6.78	74.00	Peak
2		2390.000	31.05	32.69	63.74	-10.26	74.00	Peak
3		2415.213	89.06	32.80	121.85	N/A	N/A	Peak

Notes:

1. “ * “, means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2025-02-12
Temperature	16.4 °C	Humidity	47.5 %
Limit	FCC_Part 15_Band Edge(3m)	Test Engineer	Justin Guo
Factor	HF907_102861	Polarity	Vertical
EUT	FWA Gateway	Test Voltage	AC 120V/60Hz
Test Mode	Transmit By 802.11be-EHT20 at 2412MHz		

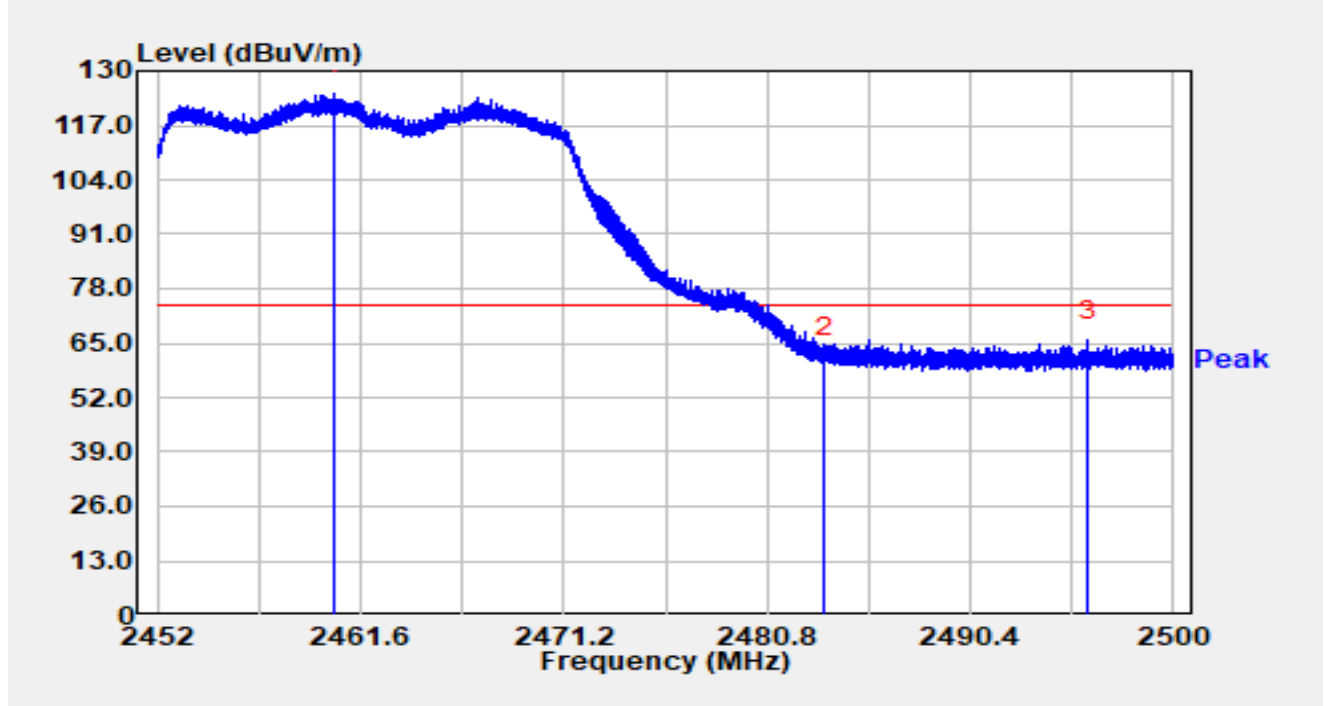


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	2389.867	18.76	32.69	51.45	-2.55	54.00	Average
2		2390.000	18.26	32.69	50.95	-3.05	54.00	Average
3		2414.541	78.09	32.79	110.88	N/A	N/A	Average

Notes:

1. “ * “, means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2025-02-12
Temperature	16.4 °C	Humidity	47.5 %
Limit	FCC_Part 15_Band Edge(3m)	Test Engineer	Justin Guo
Factor	HF907_102861	Polarity	Horizontal
EUT	FWA Gateway	Test Voltage	AC 120V/60Hz
Test Mode	Transmit By 802.11be-EHT20 at 2462MHz		

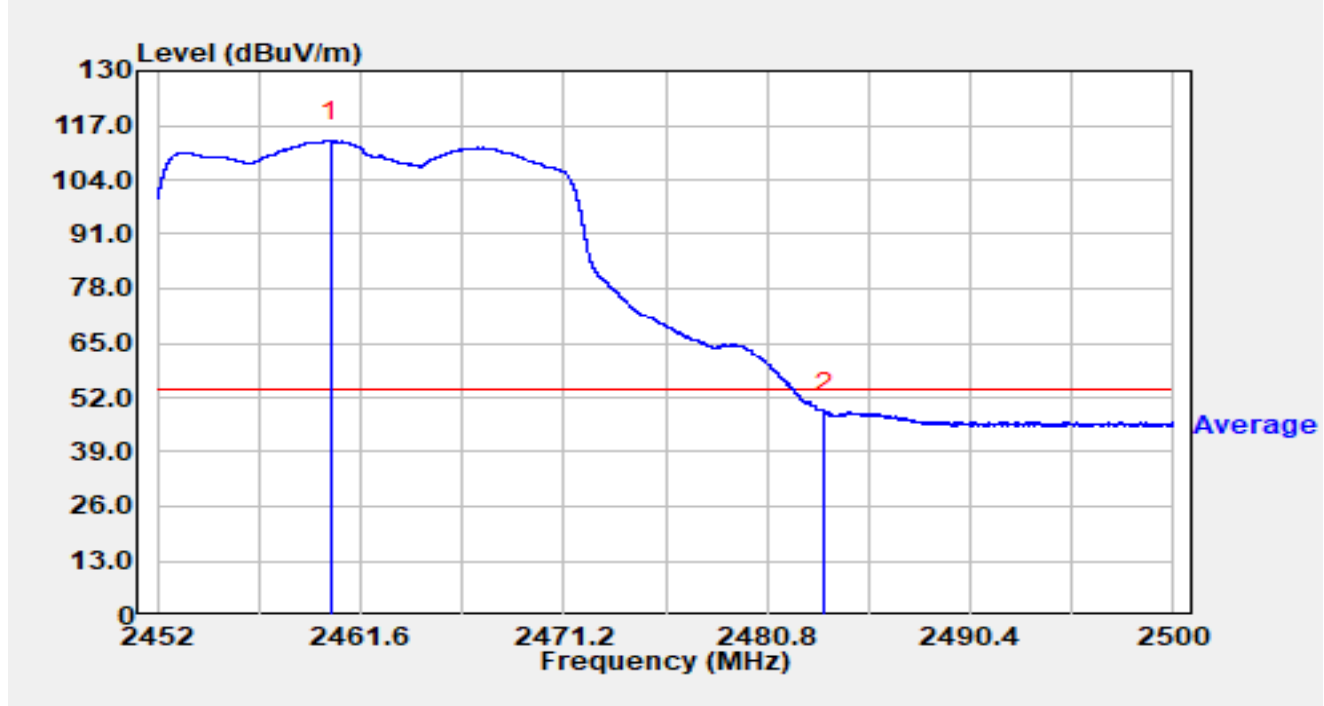


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		2460.333	91.57	32.98	124.55	N/A	N/A	Peak
2		2483.500	28.46	33.13	61.59	-12.41	74.00	Peak
3	*	2495.934	32.40	33.19	65.59	-8.41	74.00	Peak

Notes:

1. “ * “, means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2025-02-12
Temperature	16.4 °C	Humidity	47.5 %
Limit	FCC_Part 15_Band Edge(3m)	Test Engineer	Justin Guo
Factor	HF907_102861	Polarity	Horizontal
EUT	FWA Gateway	Test Voltage	AC 120V/60Hz
Test Mode	Transmit By 802.11be-EHT20 at 2462MHz		

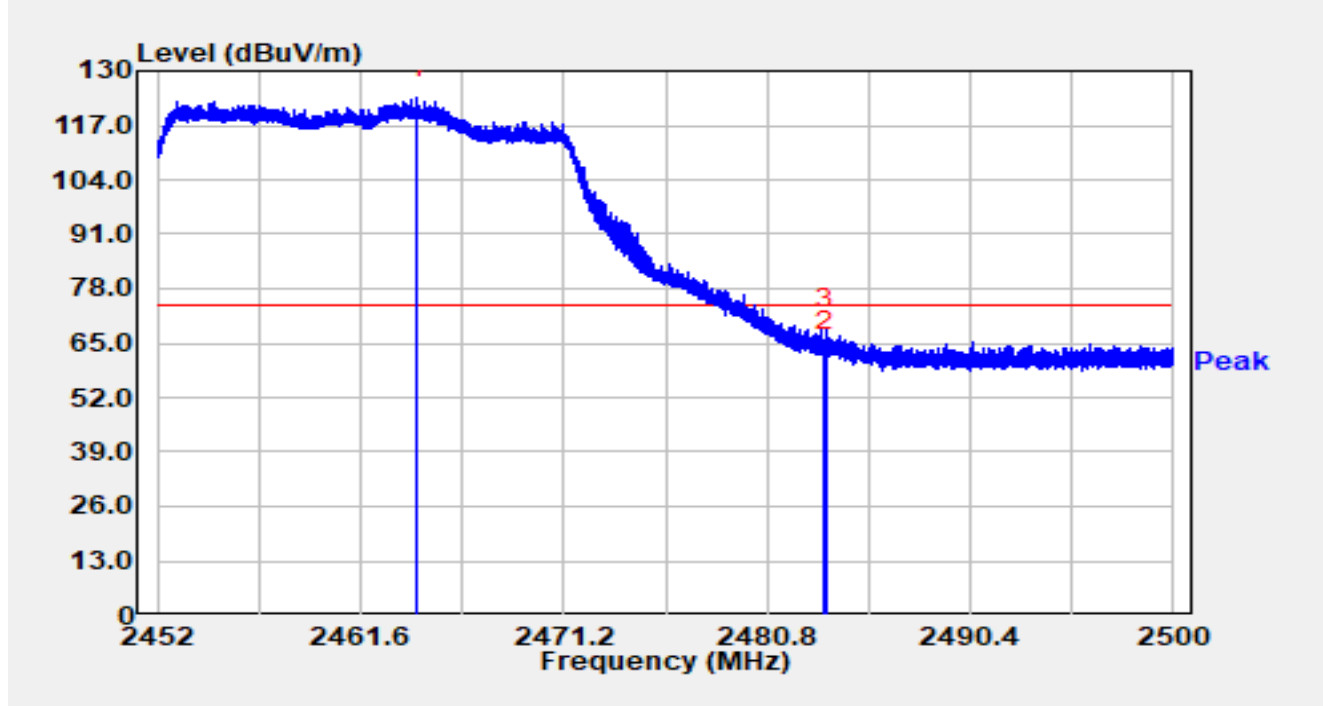


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		2460.170	80.34	32.98	113.32	N/A	N/A	Average
2	*	2483.500	15.35	33.13	48.48	-5.52	54.00	Average

Notes:

1. “ * “, means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2025-02-12
Temperature	16.4 °C	Humidity	47.5 %
Limit	FCC_Part 15_Band Edge(3m)	Test Engineer	Justin Guo
Factor	HF907_102861	Polarity	Vertical
EUT	FWA Gateway	Test Voltage	AC 120V/60Hz
Test Mode	Transmit By 802.11be-EHT20 at 2462MHz		

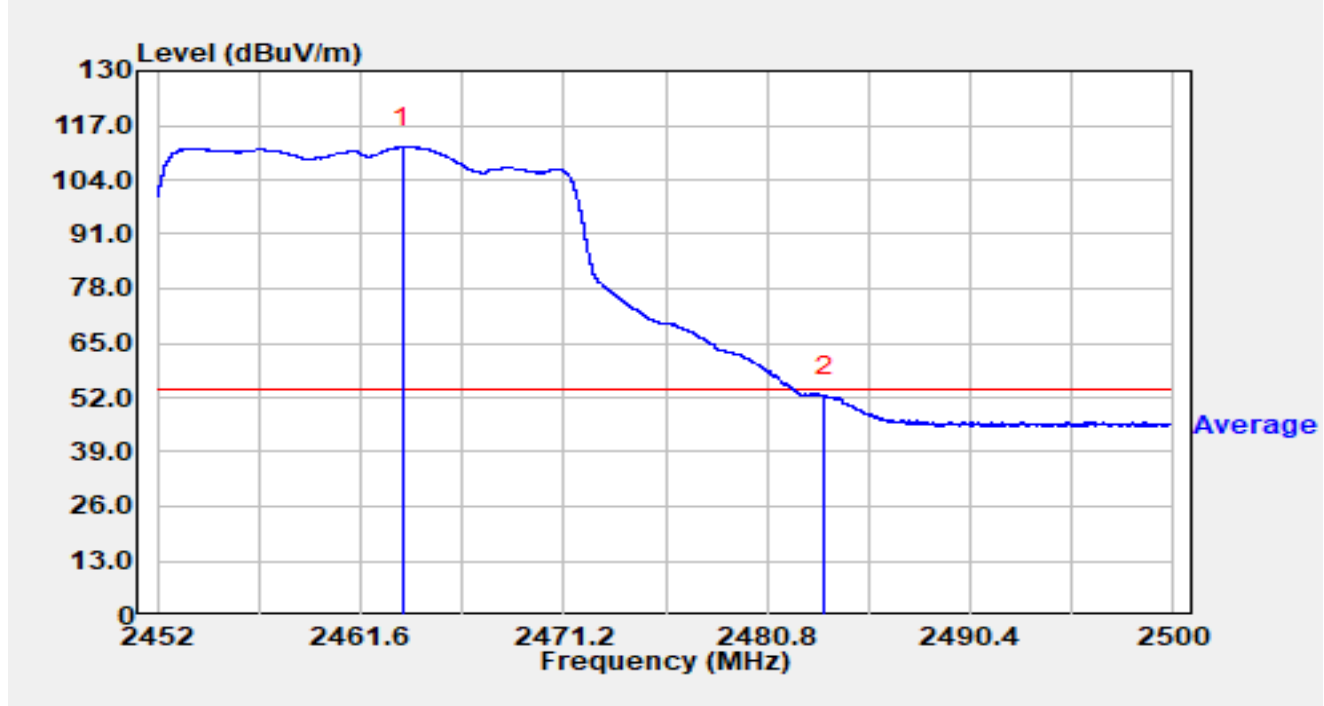


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		2464.274	90.40	33.00	123.40	N/A	N/A	Peak
2		2483.500	29.78	33.13	62.91	-11.09	74.00	Peak
3	*	2483.565	35.19	33.13	68.32	-5.68	74.00	Peak

Notes:

1. “ * “, means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2025-02-12
Temperature	16.4 °C	Humidity	47.5 %
Limit	FCC_Part 15_Band Edge(3m)	Test Engineer	Justin Guo
Factor	HF907_102861	Polarity	Vertical
EUT	FWA Gateway	Test Voltage	AC 120V/60Hz
Test Mode	Transmit By 802.11be-EHT20 at 2462MHz		

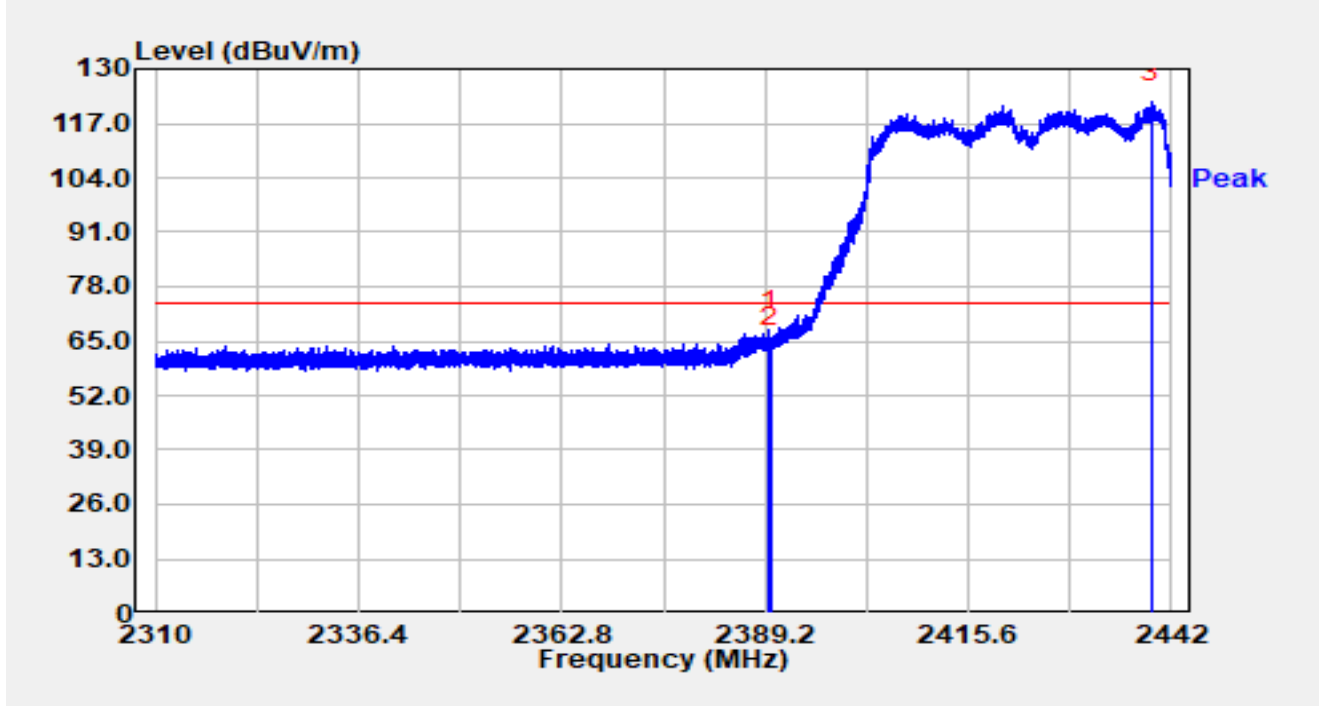


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		2463.554	78.79	33.00	111.78	N/A	N/A	Average
2	*	2483.500	19.30	33.13	52.43	-1.57	54.00	Average

Notes:

1. “ * “, means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2025-02-12
Temperature	16.4 °C	Humidity	47.5 %
Limit	FCC_Part 15_Band Edge(3m)	Test Engineer	Justin Guo
Factor	HF907_102861	Polarity	Horizontal
EUT	FWA Gateway	Test Voltage	AC 120V/60Hz
Test Mode	Transmit By 802.11be-EHT40 at 2422MHz		

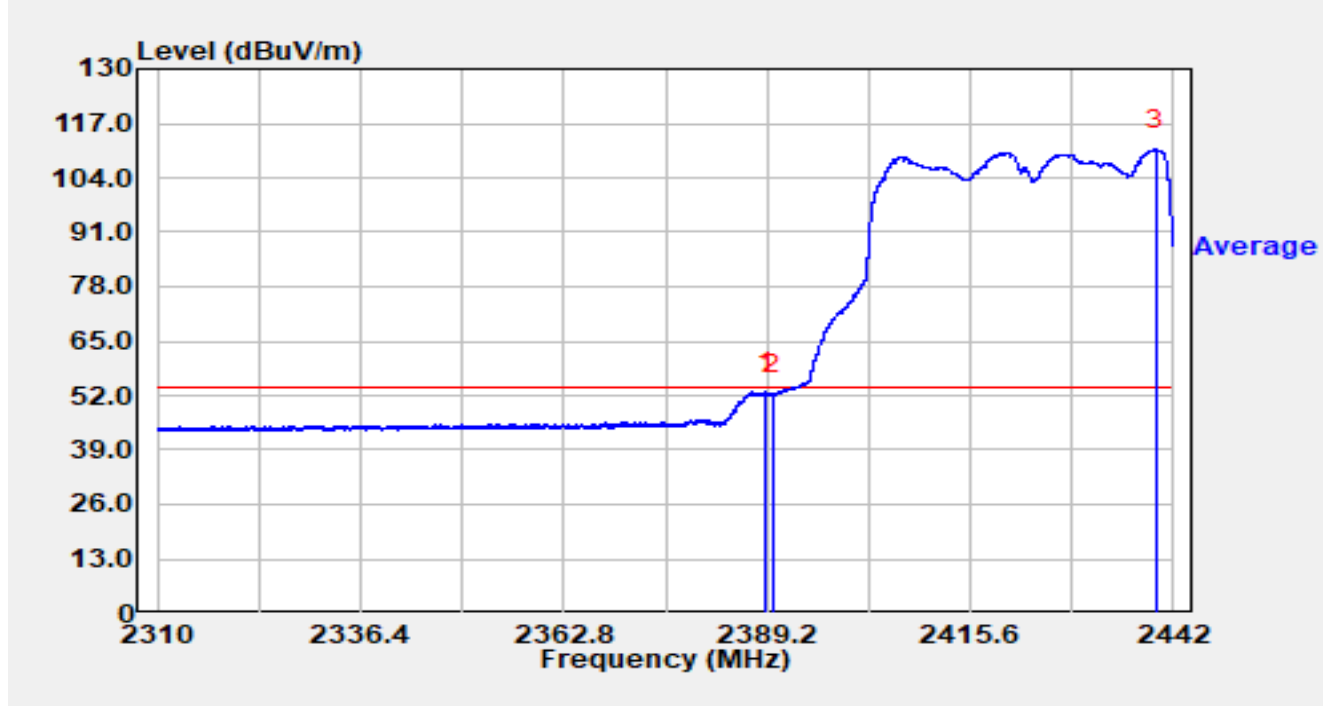


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	2389.768	34.81	32.69	67.50	-6.50	74.00	Peak
2		2390.000	30.85	32.69	63.54	-10.46	74.00	Peak
3		2439.452	89.03	32.92	121.95	N/A	N/A	Peak

Notes:

1. “ * “, means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2025-02-12
Temperature	16.4 °C	Humidity	47.5 %
Limit	FCC_Part 15_Band Edge(3m)	Test Engineer	Justin Guo
Factor	HF907_102861	Polarity	Horizontal
EUT	FWA Gateway	Test Voltage	AC 120V/60Hz
Test Mode	Transmit By 802.11be-EHT40 at 2422MHz		

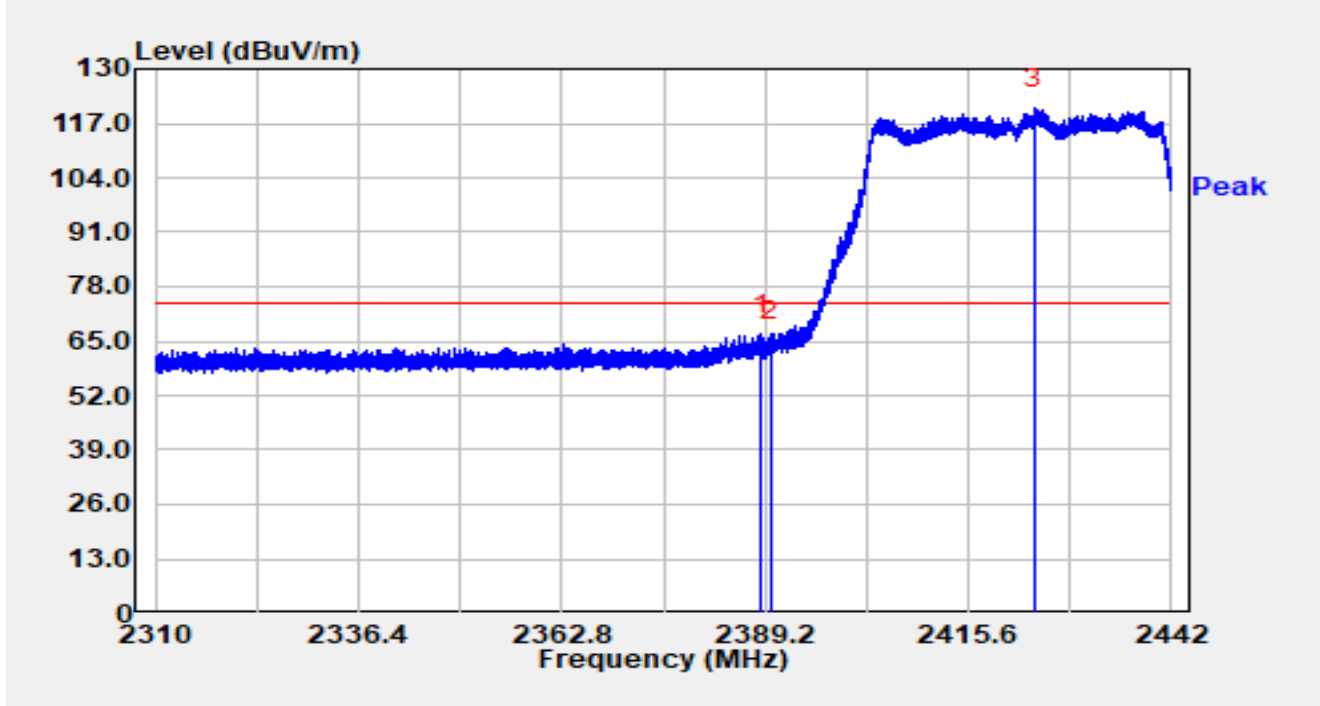


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	2389.055	20.16	32.68	52.85	-1.15	54.00	Average
2		2390.000	19.76	32.69	52.45	-1.55	54.00	Average
3		2439.743	77.91	32.92	110.83	N/A	N/A	Average

Notes:

1. “ * “, means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2025-02-12
Temperature	16.4 °C	Humidity	47.5 %
Limit	FCC_Part 15_Band Edge(3m)	Test Engineer	Justin Guo
Factor	HF907_102861	Polarity	Vertical
EUT	FWA Gateway	Test Voltage	AC 120V/60Hz
Test Mode	Transmit By 802.11be-EHT40 at 2422MHz		

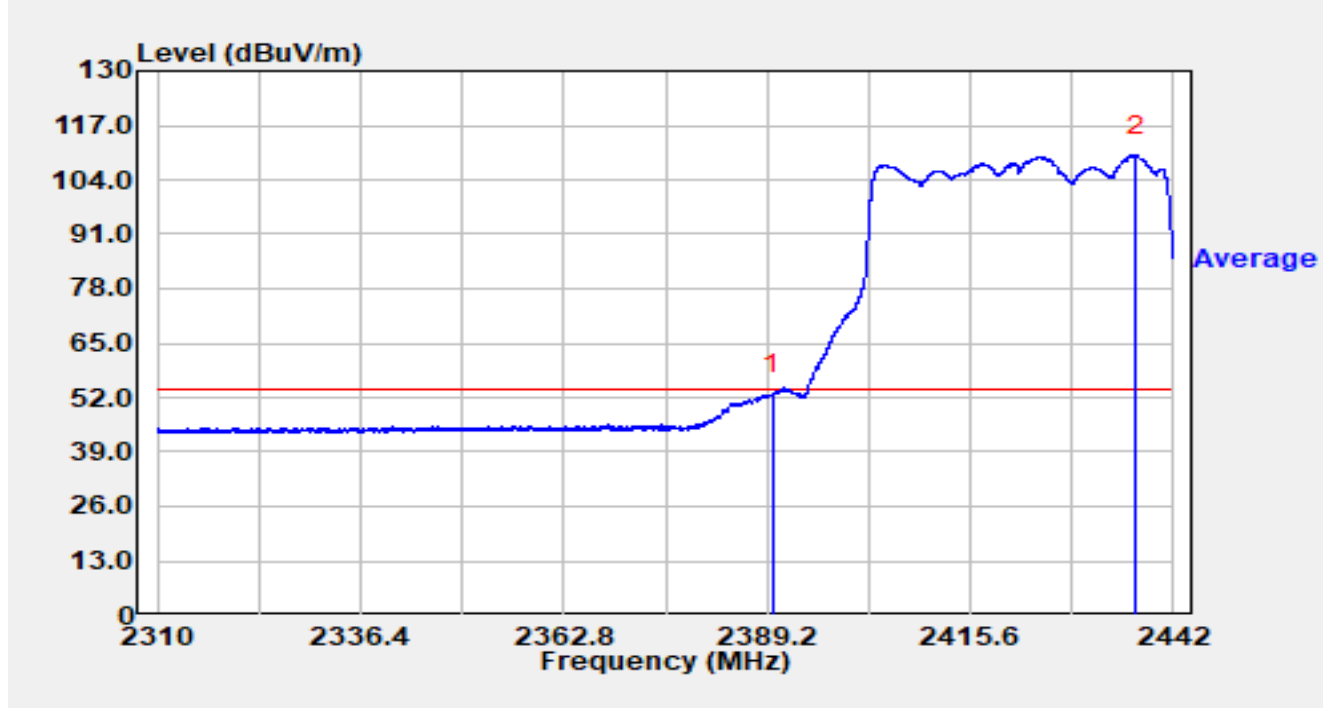


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	2388.698	33.88	32.68	66.56	-7.44	74.00	Peak
2		2390.000	32.21	32.69	64.90	-9.10	74.00	Peak
3		2424.154	87.73	32.85	120.58	N/A	N/A	Peak

Notes:

1. “ * “, means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2025-02-12
Temperature	16.4 °C	Humidity	47.5 %
Limit	FCC_Part 15_Band Edge(3m)	Test Engineer	Justin Guo
Factor	HF907_102861	Polarity	Vertical
EUT	FWA Gateway	Test Voltage	AC 120V/60Hz
Test Mode	Transmit By 802.11be-EHT40 at 2422MHz		

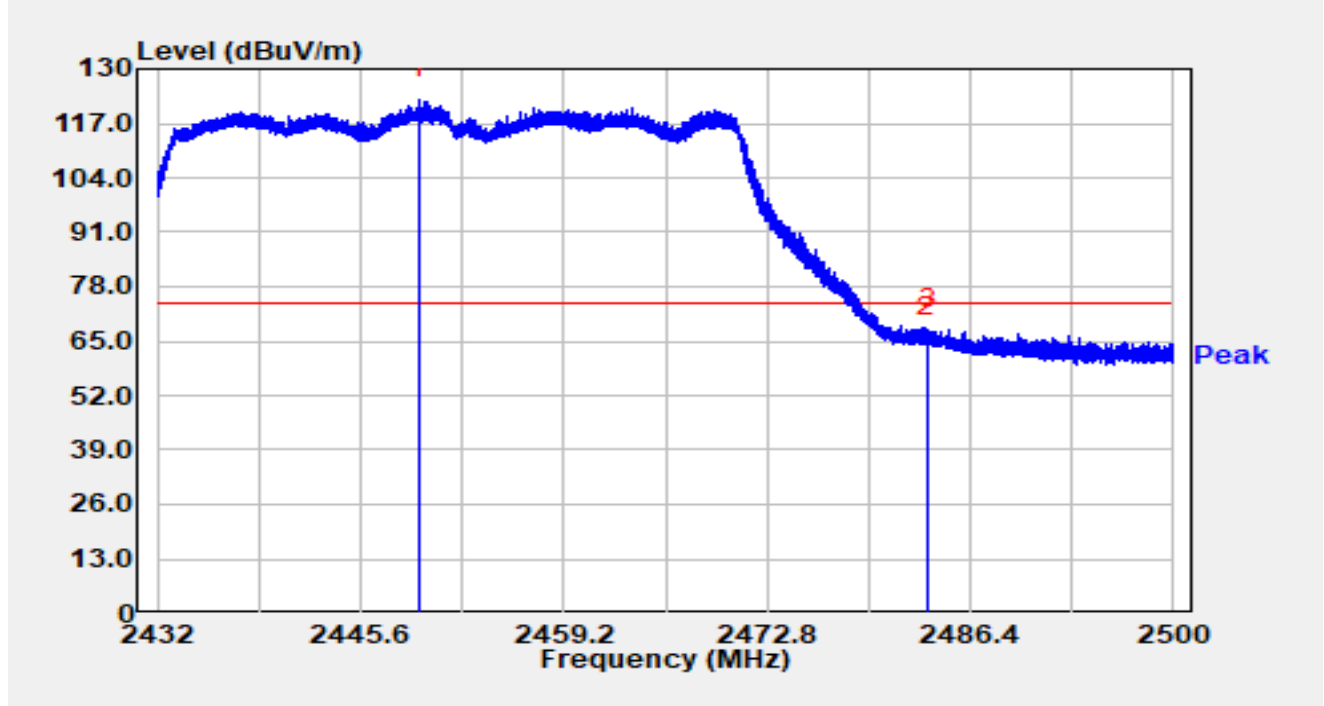


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	2390.000	20.12	32.69	52.81	-1.19	54.00	Average
2		2437.169	76.85	32.91	109.76	N/A	N/A	Average

Notes:

1. “ * “, means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2025-02-12
Temperature	16.4 °C	Humidity	47.5 %
Limit	FCC_Part 15_Band Edge(3m)	Test Engineer	Justin Guo
Factor	HF907_102861	Polarity	Horizontal
EUT	FWA Gateway	Test Voltage	AC 120V/60Hz
Test Mode	Transmit By 802.11be-EHT40 at 2452MHz		

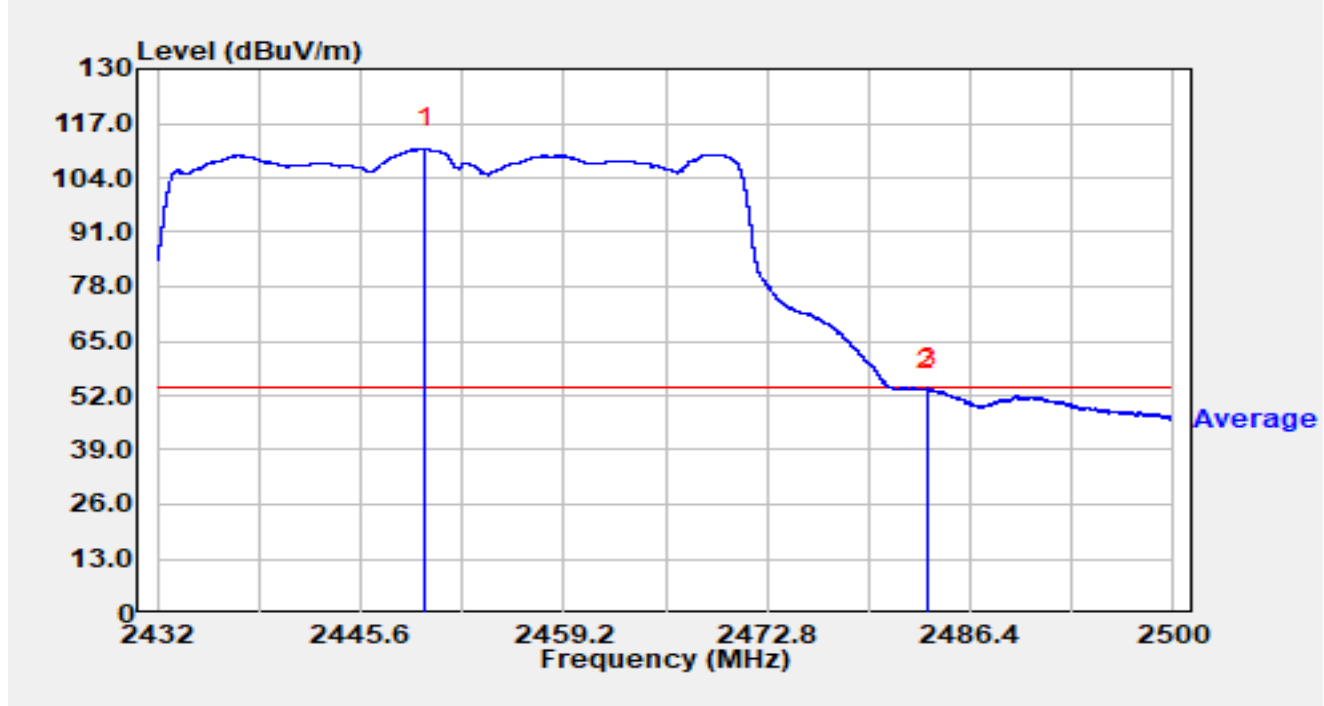


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		2449.449	89.73	32.95	122.69	N/A	N/A	Peak
2		2483.500	32.88	33.13	66.01	-7.99	74.00	Peak
3	*	2483.632	34.79	33.13	67.92	-6.08	74.00	Peak

Notes:

1. “ * “, means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2025-02-12
Temperature	16.4 °C	Humidity	47.5 %
Limit	FCC_Part 15_Band Edge(3m)	Test Engineer	Justin Guo
Factor	HF907_102861	Polarity	Horizontal
EUT	FWA Gateway	Test Voltage	AC 120V/60Hz
Test Mode	Transmit By 802.11be-EHT40 at 2452MHz		

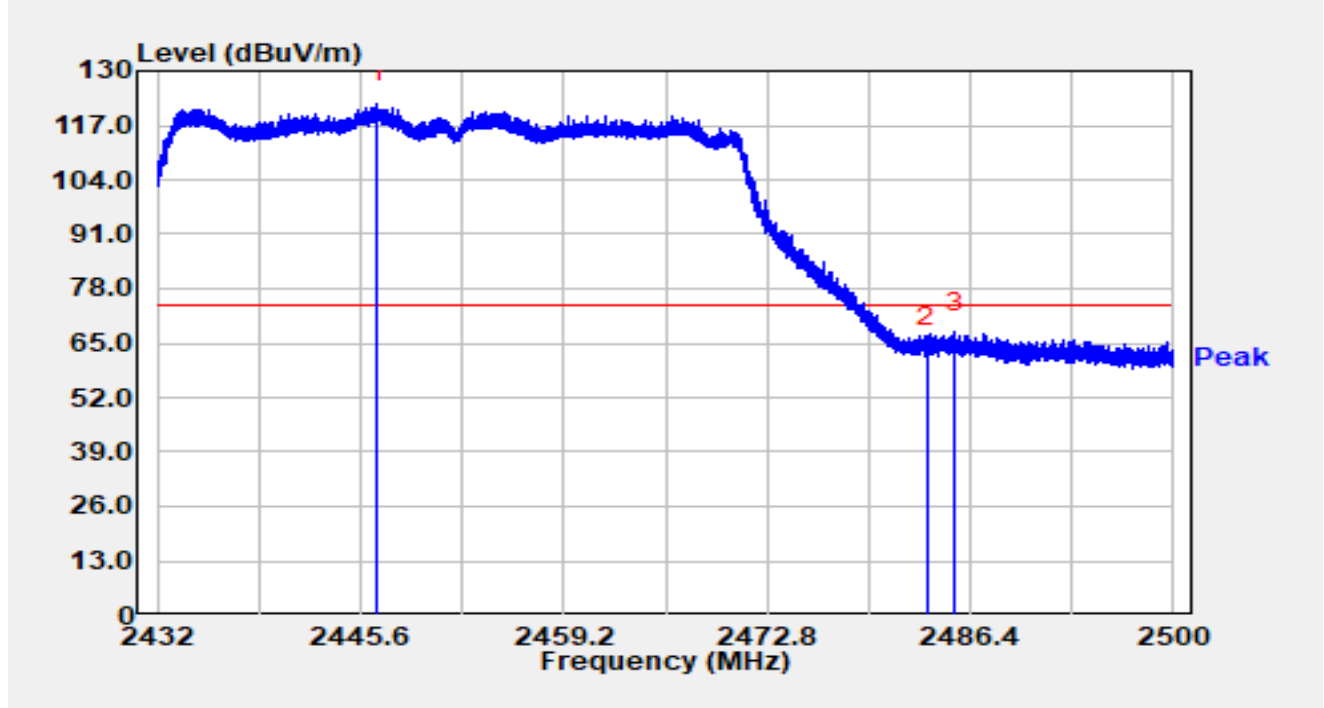


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		2449.938	77.95	32.95	110.90	N/A	N/A	Average
2		2483.500	20.21	33.13	53.34	-0.66	54.00	Average
3	*	2483.571	20.61	33.13	53.74	-0.26	54.00	Average

Notes:

1. “ * “, means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2025-02-12
Temperature	16.4 °C	Humidity	47.5 %
Limit	FCC_Part 15_Band Edge(3m)	Test Engineer	Justin Guo
Factor	HF907_102861	Polarity	Vertical
EUT	FWA Gateway	Test Voltage	AC 120V/60Hz
Test Mode	Transmit By 802.11be-EHT40 at 2452MHz		

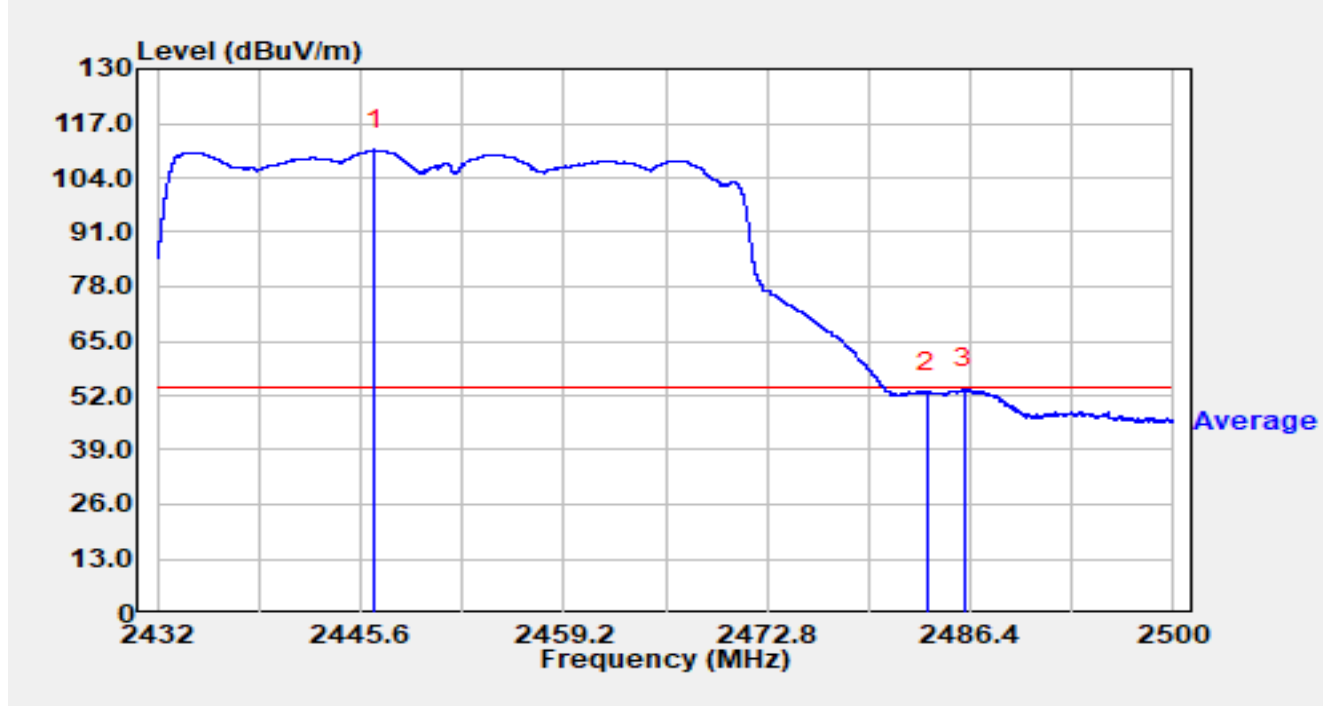


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		2446.729	89.31	32.95	122.26	N/A	N/A	Peak
2		2483.500	31.08	33.13	64.21	-9.79	74.00	Peak
3	*	2485.366	34.44	33.14	67.58	-6.42	74.00	Peak

Notes:

1. “ * “, means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2025-02-12
Temperature	16.4 °C	Humidity	47.5 %
Limit	FCC_Part 15_Band Edge(3m)	Test Engineer	Justin Guo
Factor	HF907_102861	Polarity	Vertical
EUT	FWA Gateway	Test Voltage	AC 120V/60Hz
Test Mode	Transmit By 802.11be-EHT40 at 2452MHz		



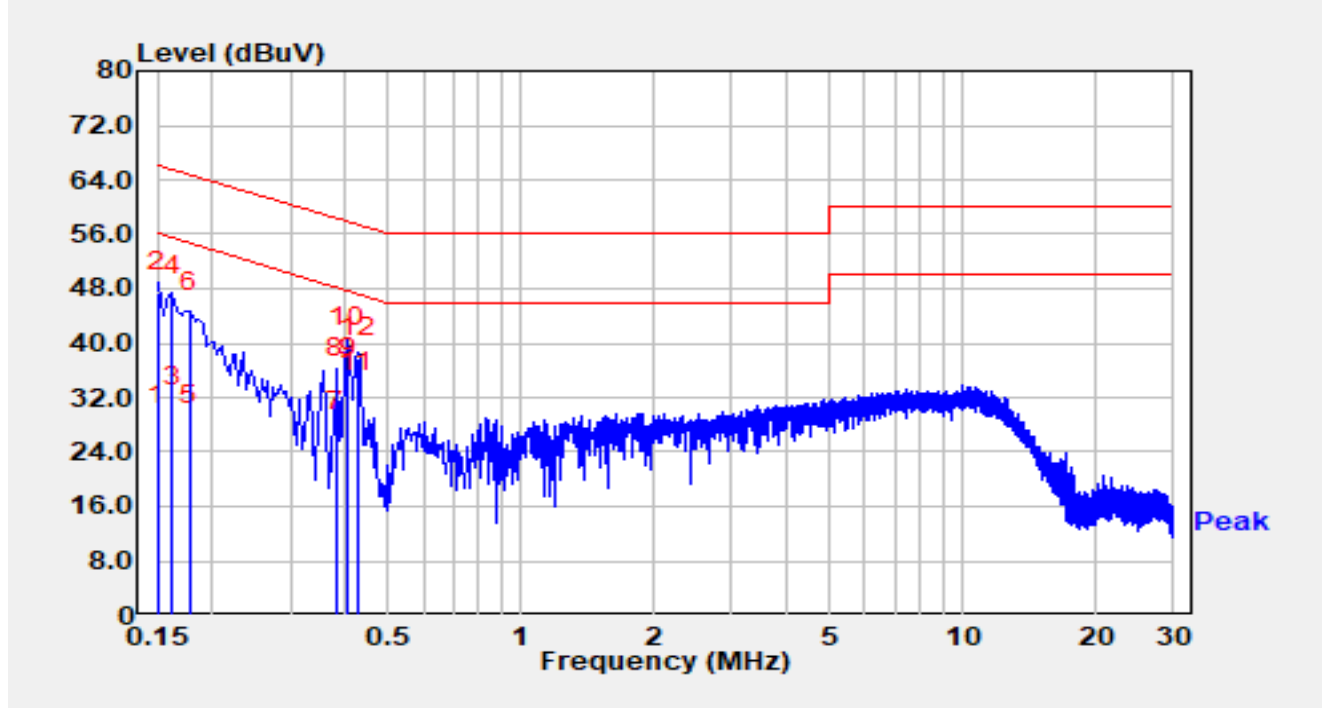
No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		2446.545	77.76	32.95	110.71	N/A	N/A	Average
2		2483.500	19.53	33.13	52.66	-1.34	54.00	Average
3	*	2486.012	20.41	33.14	53.56	-0.44	54.00	Average

Notes:

1. “ * “, means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

A.8 AC Conducted Emissions Test Result

Site	SIP-SR2	Test Date	2025-03-14
Temperature	21.4 °C	Humidity	52.8 %
Limit	FCC Part 15.207_CE_Mains	Test Engineer	Henry Wang
Factor	ENV216_101684_E	Polarity	Line
EUT	FWA Gateway	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11g at 2437MHz		

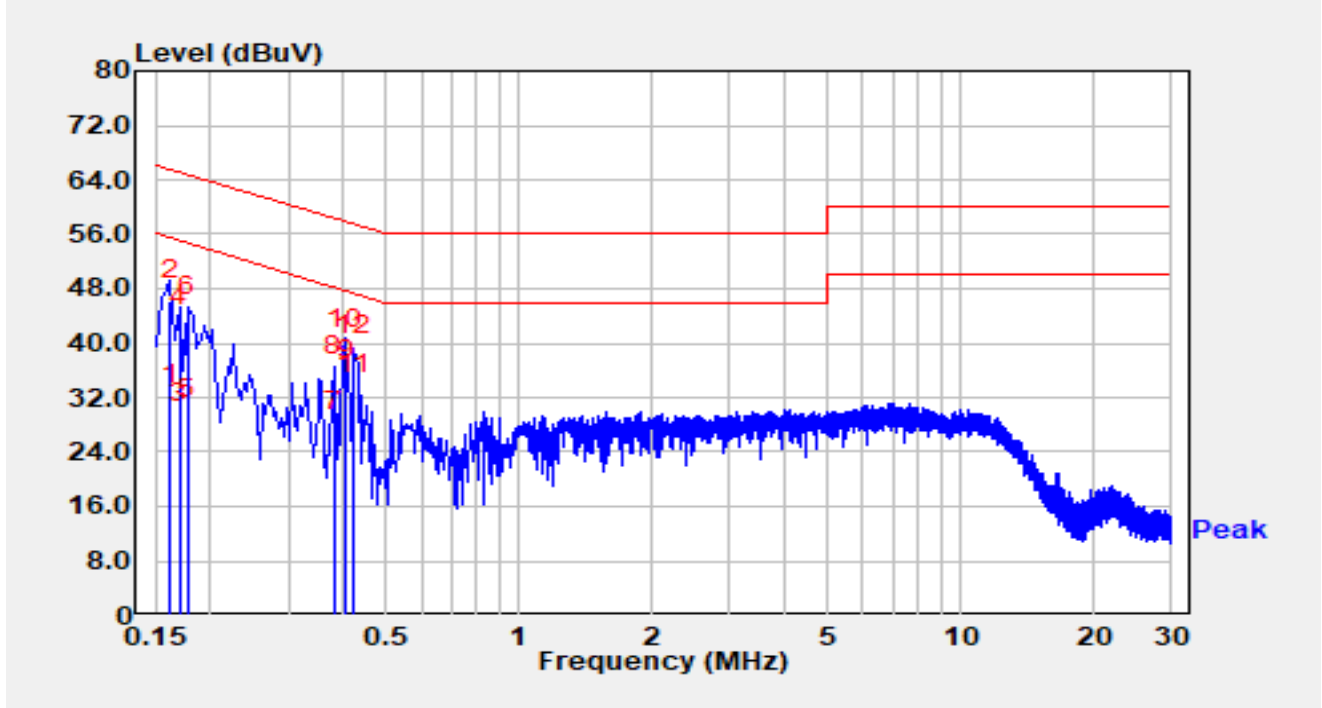


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB)	Measurement (dBμV)	Margin (dB)	Limit (dBμV)	Detector
1		0.150	18.31	9.76	28.07	-27.93	56.00	Average
2		0.150	37.71	9.76	47.47	-18.53	66.00	QP
3		0.162	20.93	9.73	30.66	-24.70	55.36	Average
4		0.162	37.13	9.73	46.86	-18.50	65.36	QP
5		0.178	18.10	9.73	27.84	-26.74	54.58	Average
6		0.178	34.71	9.73	44.44	-20.14	64.58	QP
7		0.382	17.28	9.82	27.10	-21.14	48.24	Average
8		0.382	25.01	9.82	34.83	-23.41	58.24	QP
9	*	0.406	25.10	9.82	34.92	-12.81	47.73	Average
10		0.406	29.51	9.82	39.33	-18.40	57.73	QP
11		0.426	22.82	9.82	32.64	-14.69	47.33	Average
12		0.426	28.03	9.82	37.85	-19.48	57.33	QP

Notes:

1. " * ", means this data is the worst emission level.
2. C.F (dB) = LISN Factor (dB) + Cable Loss (dB).
3. Measurement (dB μ V) = Reading (dB μ V) + C.F (dB).

Site	SIP-SR2	Test Date	2025-03-14
Temperature	21.4 °C	Humidity	52.8 %
Limit	FCC Part 15.207_CE_Mains	Test Engineer	Henry Wang
Factor	ENV216_101684_E	Polarity	Neutral
EUT	FWA Gateway	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11g at 2437MHz		



No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB)	Measurement (dBμV)	Margin (dB)	Limit (dBμV)	Detector
1		0.162	21.34	9.71	31.06	-24.31	55.36	Average
2		0.162	36.52	9.71	46.24	-19.12	65.36	QP
3		0.170	18.55	9.72	28.27	-26.69	54.96	Average
4		0.170	32.67	9.72	42.38	-22.58	64.96	QP
5		0.178	19.07	9.72	28.79	-25.79	54.58	Average
6		0.178	34.22	9.72	43.94	-20.64	64.58	QP
7		0.382	17.13	9.81	26.93	-21.30	48.24	Average
8		0.382	25.39	9.81	35.20	-23.04	58.24	QP
9	*	0.406	24.69	9.81	34.50	-13.23	47.73	Average
10		0.406	29.22	9.81	39.03	-18.70	57.73	QP
11		0.422	22.61	9.81	32.42	-14.99	47.41	Average
12		0.422	28.40	9.81	38.21	-19.20	57.41	QP

Notes:

1. " * ", means this data is the worst emission level.
2. C.F (dB) = LISN Factor (dB) + Cable Loss (dB).
3. Measurement (dB μ V) = Reading (dB μ V) + C.F (dB).

Appendix B – Test Setup Photograph

Refer to “R25S1005029-UT” file.

Appendix C – EUT Photograph

Refer to “R25S1005029-UE” file.

The End
