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Appendix for 5GHz WIFI

Applicant: Fanvil Link Technology Co.,LTD

**Address: A03, A08, 3rd Floor, Building 2, Daqian Industrial Plant,
Zone 67, Xingdong Community, Xin'an Street, Bao'an District,
Shenzhen, China**

Product Name: Hotel Phone

Model: H6W, H4W

FCC ID: 2BCUQ-H6W

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Appendix A1: Emission Bandwidth

Test Result

| Test Mode | Freq. [MHz] | 26db EBW [MHz] | FL [MHz] | FH [MHz] | Verdict |
|-----------------|-------------|----------------|----------|----------|---------|
| 802.11a | 5180 | 22.640 | 5168.640 | 5191.280 | PASS |
| | 5200 | 22.520 | 5188.560 | 5211.080 | PASS |
| | 5240 | 22.400 | 5228.040 | 5250.440 | PASS |
| | 5745 | 25.400 | 5731.640 | 5757.040 | PASS |
| | 5785 | 23.320 | 5772.480 | 5795.800 | PASS |
| | 5825 | 24.040 | 5813.080 | 5837.120 | PASS |
| 802.11n(HT20) | 5180 | 24.920 | 5167.440 | 5192.360 | PASS |
| | 5200 | 25.120 | 5186.840 | 5211.960 | PASS |
| | 5240 | 23.840 | 5228.480 | 5252.320 | PASS |
| | 5745 | 27.080 | 5730.480 | 5757.560 | PASS |
| | 5785 | 25.320 | 5772.640 | 5797.960 | PASS |
| | 5825 | 25.720 | 5811.840 | 5837.560 | PASS |
| 802.11n(HT40) | 5190 | 44.480 | 5168.160 | 5212.640 | PASS |
| | 5230 | 45.600 | 5208.000 | 5253.600 | PASS |
| | 5755 | 44.480 | 5732.680 | 5777.160 | PASS |
| | 5795 | 47.120 | 5770.920 | 5818.040 | PASS |
| 802.11ac(VHT20) | 5180 | 25.040 | 5167.320 | 5192.360 | PASS |
| | 5200 | 24.680 | 5187.520 | 5212.200 | PASS |
| | 5240 | 25.160 | 5227.720 | 5252.880 | PASS |
| | 5745 | 24.880 | 5732.080 | 5756.960 | PASS |
| | 5785 | 28.240 | 5769.920 | 5798.160 | PASS |
| | 5825 | 25.000 | 5812.280 | 5837.280 | PASS |
| 802.11ac(VHT40) | 5190 | 45.440 | 5167.280 | 5212.720 | PASS |
| | 5230 | 43.440 | 5208.160 | 5251.600 | PASS |
| | 5755 | 51.520 | 5726.680 | 5778.200 | PASS |
| | 5795 | 44.560 | 5772.360 | 5816.920 | PASS |
| 802.11ac(VHT80) | 5210 | 88.800 | 5165.840 | 5254.640 | PASS |
| | 5775 | 110.400 | 5711.160 | 5821.560 | PASS |
| 802.11ax(HE20) | 5180 | 23.480 | 5168.600 | 5192.080 | PASS |
| | 5200 | 23.720 | 5187.400 | 5211.120 | PASS |
| | 5240 | 25.000 | 5227.040 | 5252.040 | PASS |
| | 5745 | 26.360 | 5731.200 | 5757.560 | PASS |
| | 5785 | 25.080 | 5771.680 | 5796.760 | PASS |
| | 5825 | 24.680 | 5812.800 | 5837.480 | PASS |
| 802.11ax(HE40) | 5190 | 42.960 | 5168.480 | 5211.440 | PASS |
| | 5230 | 45.120 | 5208.320 | 5253.440 | PASS |
| | 5755 | 49.520 | 5727.240 | 5776.760 | PASS |
| | 5795 | 45.760 | 5770.600 | 5816.360 | PASS |
| 802.11ax(HE80) | 5210 | 83.360 | 5168.720 | 5252.080 | PASS |
| | 5775 | 85.600 | 5731.800 | 5817.400 | PASS |

Test Graphs

802.11a_5180



802.11a_5200



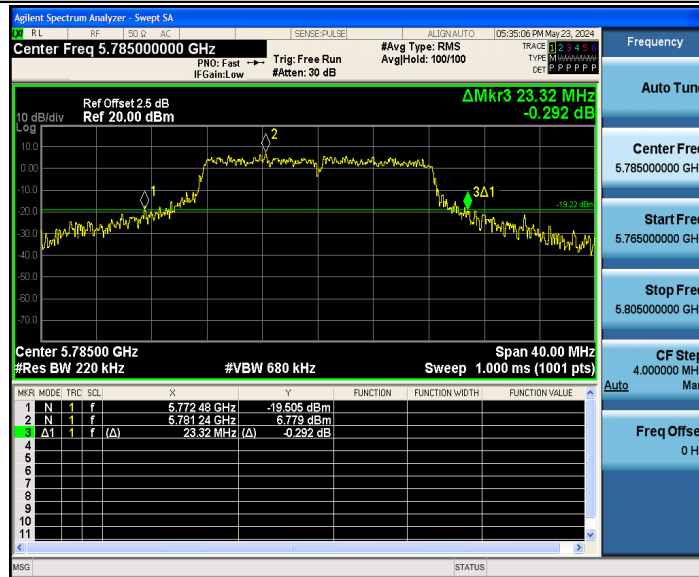
802.11a_5240



802.11a_5745



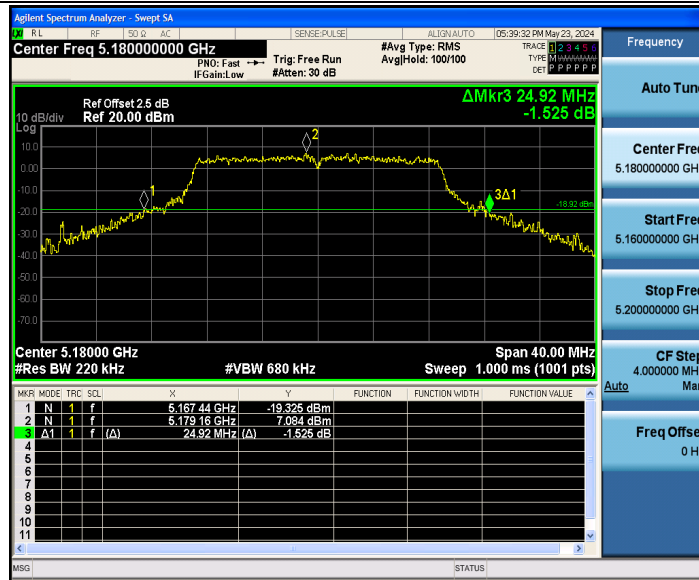
802.11a_5785



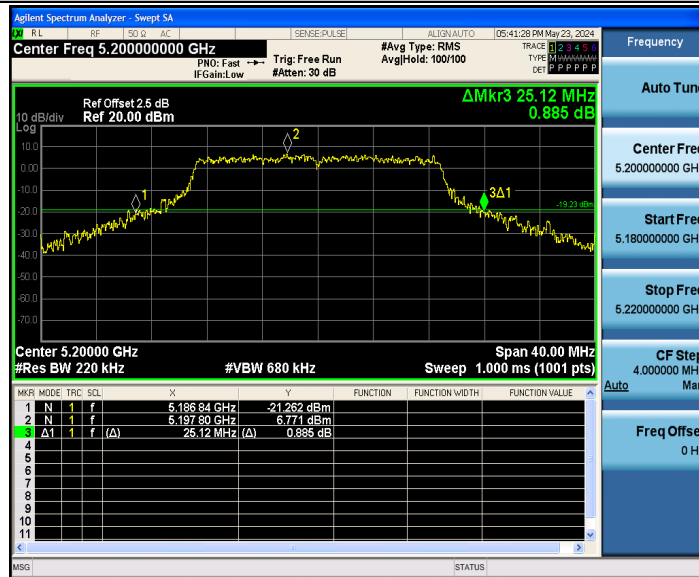
802.11a_5825



802.11n(HT20)_5180



802.11n(HT20)_5200



802.11n(HT20)_5240



802.11n(HT20)_5745



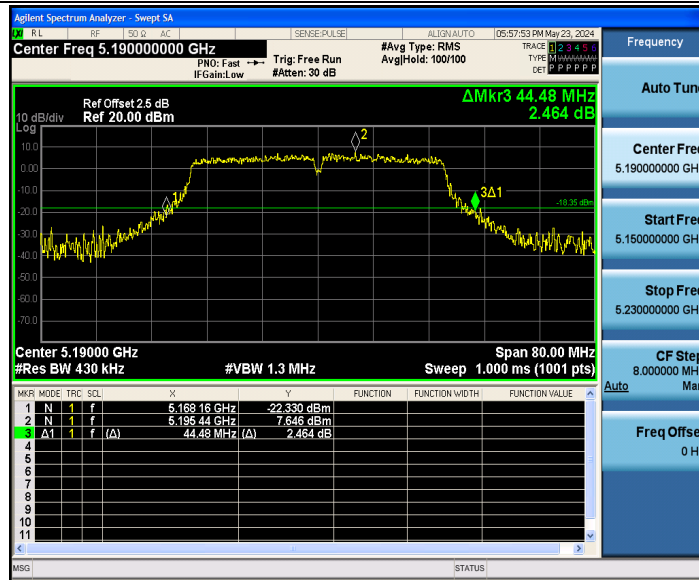
802.11n(HT20)_5785



802.11n(HT20)_5825



802.11n(HT40)_5190



802.11n(HT40)_5230



802.11n(HT40)_5755



802.11n(HT40)_5795



802.11ac(VHT20)_5180



802.11ac(VHT20)_5200



802.11ac(VHT20)_5240



802.11ac(VHT20)_5745



802.11ac(VHT20)_5785



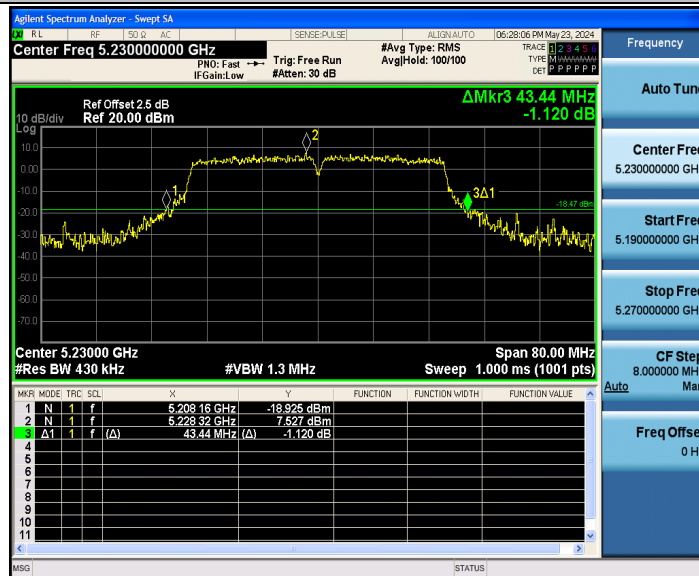
802.11ac(VHT20)_5825



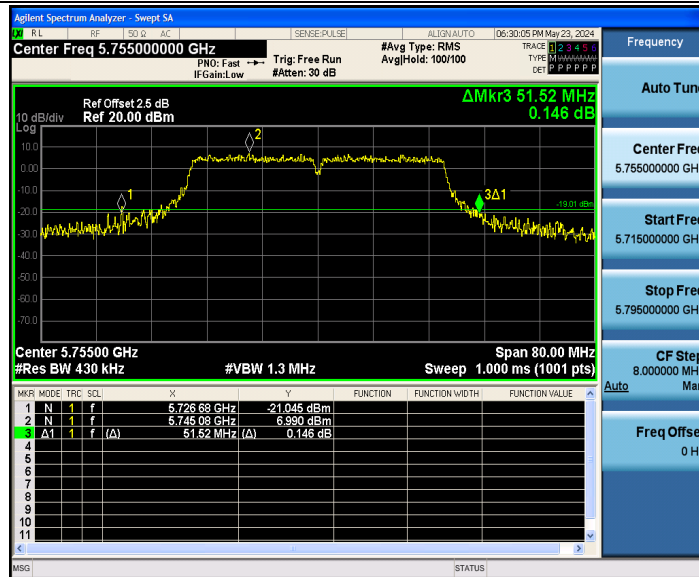
802.11ac(VHT40)_5190



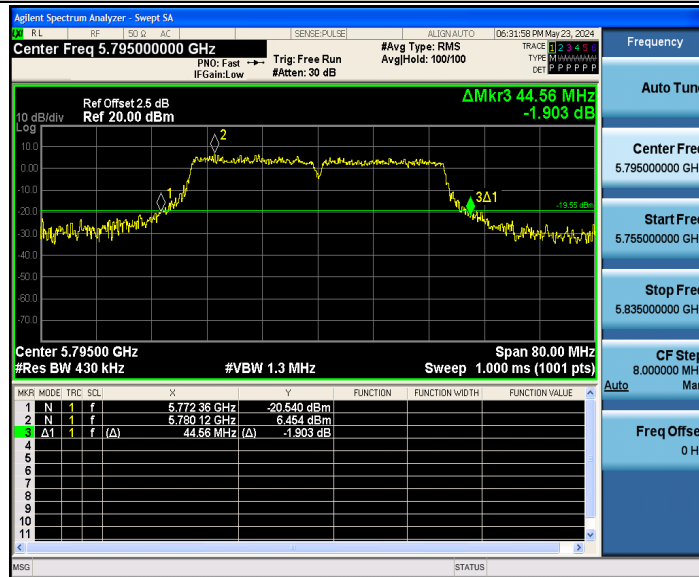
802.11ac(VHT40)_5230



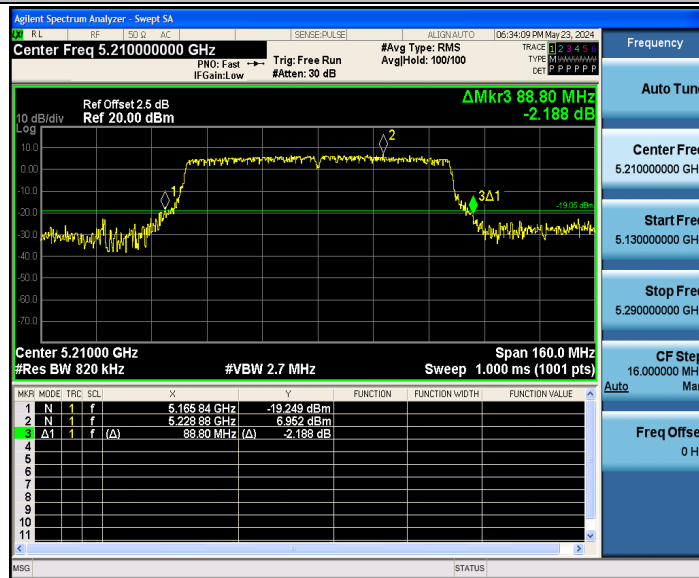
802.11ac(VHT40)_5755



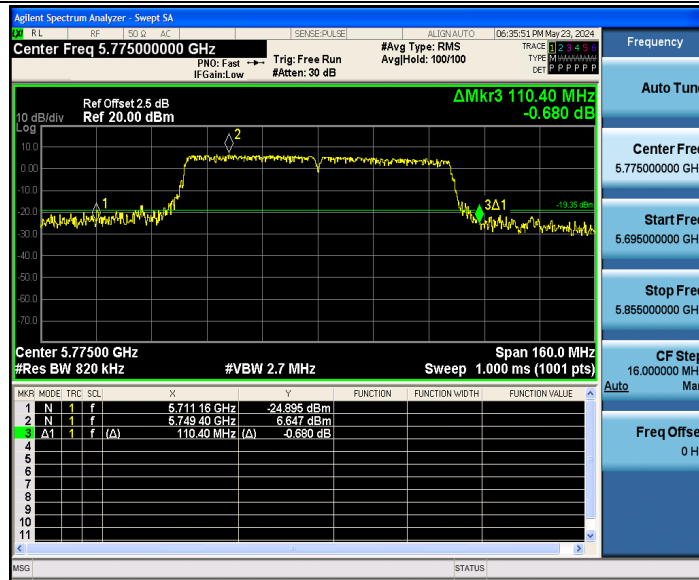
802.11ac(VHT40)_5795



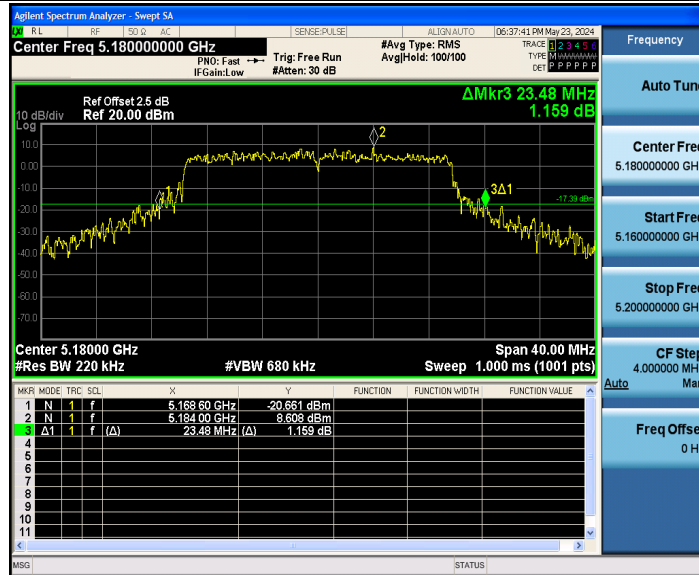
802.11ac(VHT80)_5210



802.11ac(VHT80)_5775



802.11ax(HE20)_5180



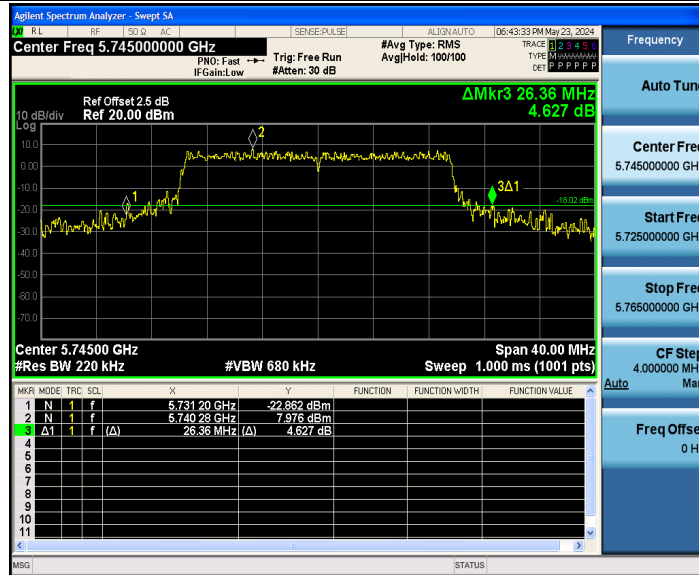
802.11ax(HE20)_5200



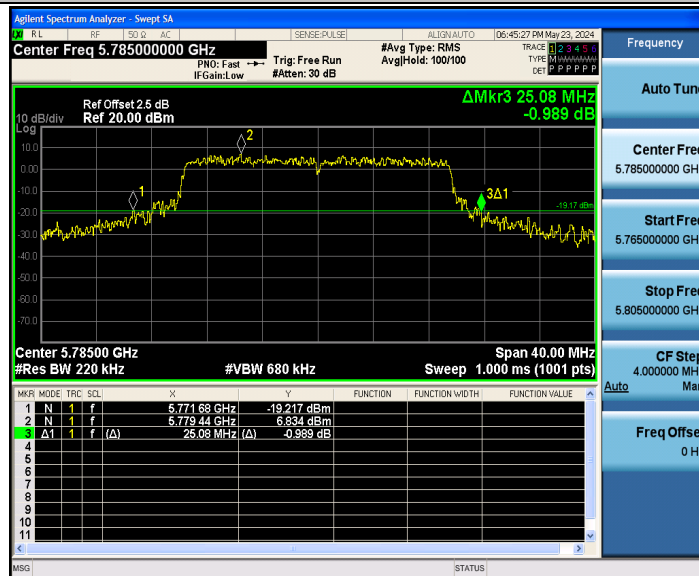
802.11ax(HE20)_5240



802.11ax(HE20)_5745



802.11ax(HE20)_5785



802.11ax(HE20)_5825



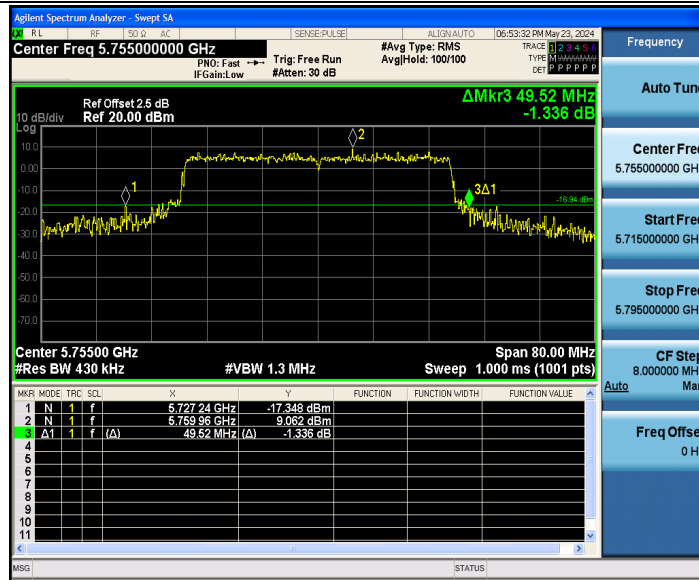
802.11ax(HE40)_5190



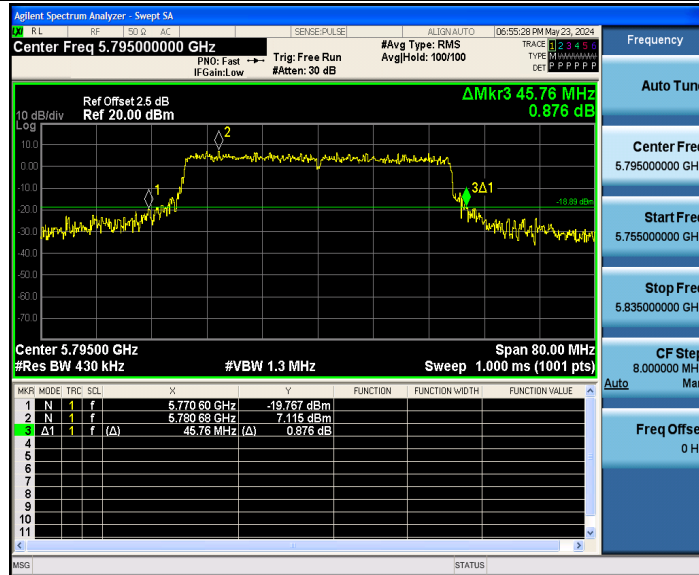
802.11ax(HE40)_5230



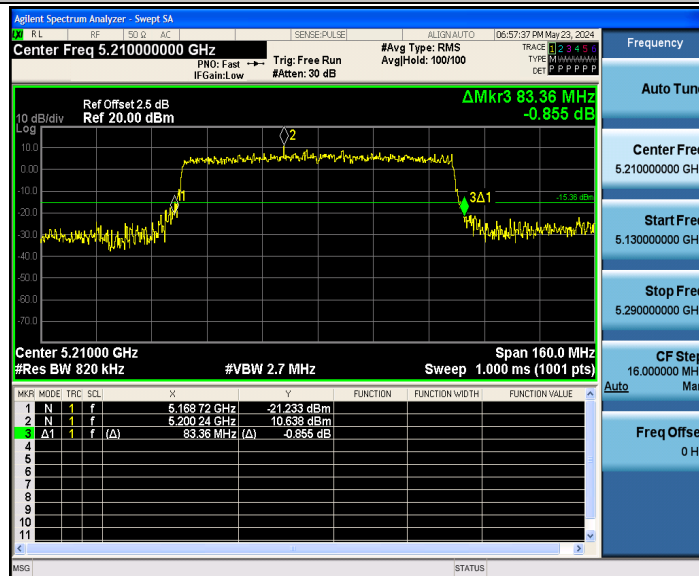
802.11ax(HE40)_5755



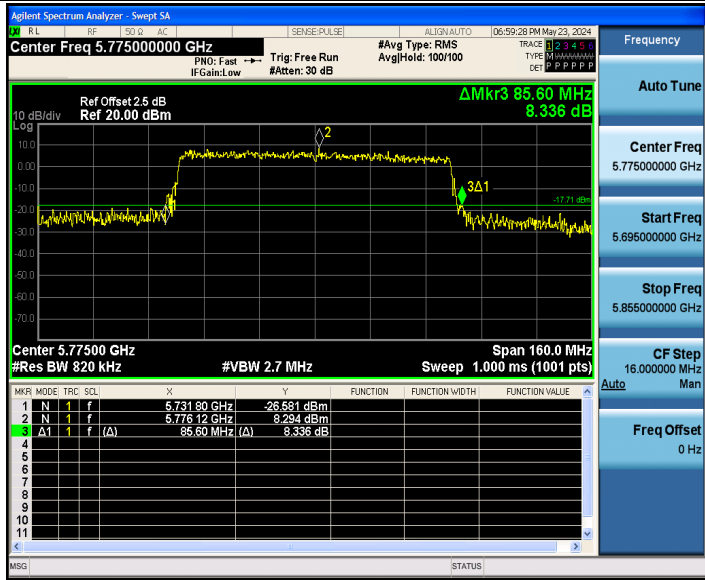
802.11ax(HE40)_5795



802.11ax(HE80)_5210



802.11ax(HE80)_5775



Appendix A2: Occupied channel bandwidth

Test Result

| Test Mode | Freq. [MHz] | OCB [MHz] | FL[MHz] | FH[MHz] | Verdict |
|-----------------|-------------|-----------|-----------|-----------|---------|
| 802.11a | 5180 | 17.335 | 5171.3072 | 5188.6422 | PASS |
| | 5200 | 17.256 | 5191.4203 | 5208.6763 | PASS |
| | 5240 | 17.362 | 5231.3728 | 5248.7348 | PASS |
| | 5745 | 17.750 | 5736.0254 | 5753.7754 | PASS |
| | 5785 | 17.533 | 5776.1026 | 5793.6356 | PASS |
| | 5825 | 17.517 | 5816.2411 | 5833.7581 | PASS |
| 802.11n(HT20) | 5180 | 18.614 | 5170.7250 | 5189.3390 | PASS |
| | 5200 | 18.628 | 5190.7561 | 5209.3841 | PASS |
| | 5240 | 18.606 | 5230.7331 | 5249.3391 | PASS |
| | 5745 | 18.992 | 5735.4843 | 5754.4763 | PASS |
| | 5785 | 19.088 | 5775.3283 | 5794.4163 | PASS |
| | 5825 | 18.877 | 5815.5231 | 5834.4001 | PASS |
| 802.11n(HT40) | 5190 | 36.972 | 5171.5455 | 5208.5175 | PASS |
| | 5230 | 37.198 | 5211.4848 | 5248.6828 | PASS |
| | 5755 | 37.526 | 5736.1728 | 5773.6988 | PASS |
| | 5795 | 37.585 | 5776.0299 | 5813.6149 | PASS |
| 802.11ac(VHT20) | 5180 | 18.649 | 5170.6936 | 5189.3426 | PASS |
| | 5200 | 18.574 | 5190.7337 | 5209.3077 | PASS |
| | 5240 | 18.701 | 5230.6778 | 5249.3788 | PASS |
| | 5745 | 18.952 | 5735.5029 | 5754.4549 | PASS |
| | 5785 | 18.921 | 5775.4319 | 5794.3529 | PASS |
| | 5825 | 18.926 | 5815.5516 | 5834.4776 | PASS |
| 802.11ac(VHT40) | 5190 | 37.078 | 5171.5094 | 5208.5874 | PASS |
| | 5230 | 37.103 | 5211.5175 | 5248.6205 | PASS |
| | 5755 | 37.563 | 5736.1969 | 5773.7599 | PASS |
| | 5795 | 37.522 | 5776.0916 | 5813.6136 | PASS |
| 802.11ac(VHT80) | 5210 | 76.414 | 5171.8856 | 5248.2996 | PASS |
| | 5775 | 77.023 | 5736.3287 | 5813.3517 | PASS |
| 802.11ax(HE20) | 5180 | 19.320 | 5170.3358 | 5189.6558 | PASS |
| | 5200 | 19.422 | 5190.3095 | 5209.7315 | PASS |
| | 5240 | 19.391 | 5230.3069 | 5249.6979 | PASS |
| | 5745 | 19.472 | 5735.3004 | 5754.7724 | PASS |
| | 5785 | 19.560 | 5775.1763 | 5794.7363 | PASS |
| | 5825 | 19.552 | 5815.2565 | 5834.8085 | PASS |
| 802.11ax(HE40) | 5190 | 38.170 | 5170.8864 | 5209.0564 | PASS |
| | 5230 | 38.104 | 5211.0008 | 5249.1048 | PASS |
| | 5755 | 38.415 | 5735.7873 | 5774.2023 | PASS |
| | 5795 | 38.510 | 5775.7146 | 5814.2246 | PASS |
| 802.11ax(HE80) | 5210 | 77.641 | 5171.2472 | 5248.8882 | PASS |
| | 5775 | 77.989 | 5735.8015 | 5813.7905 | PASS |

Test Graphs

802.11a_5180



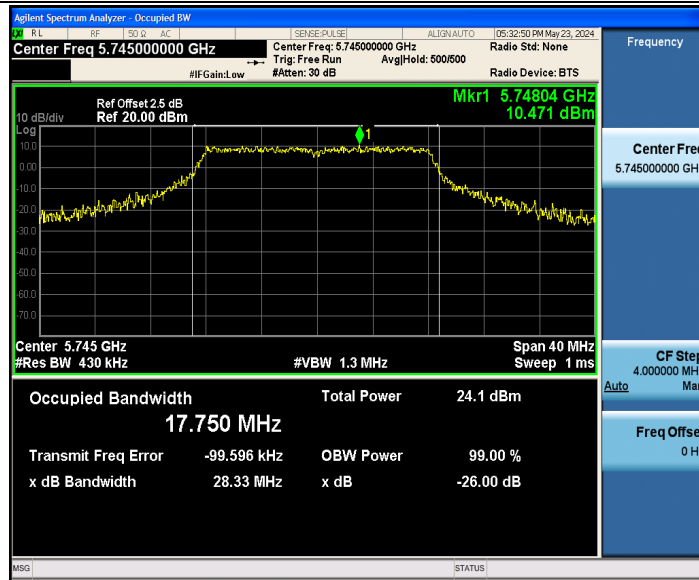
802.11a_5200



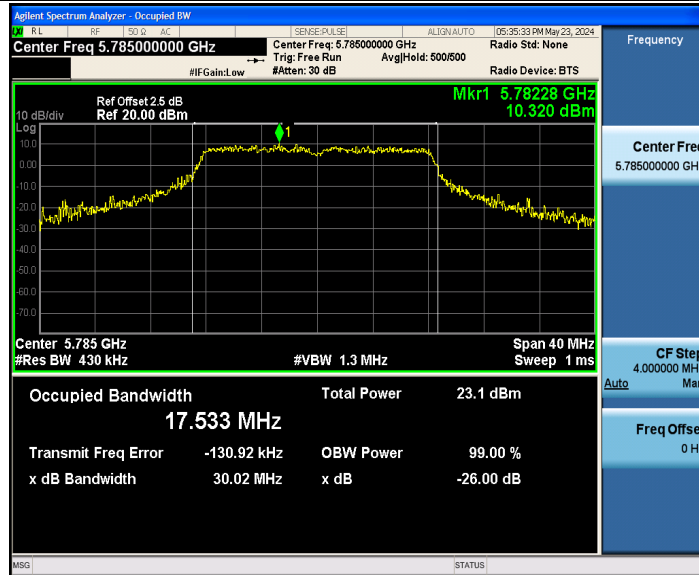
802.11a_5240



802.11a_5745



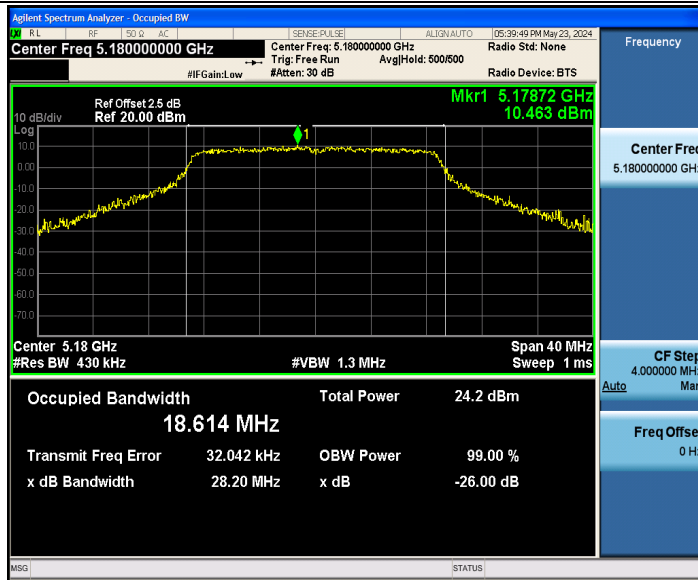
802.11a_5785



802.11a_5825



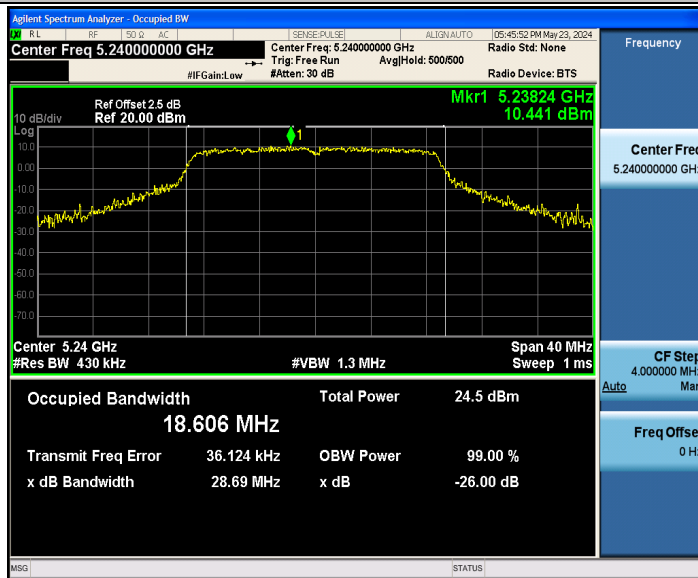
802.11n(HT20)_5180



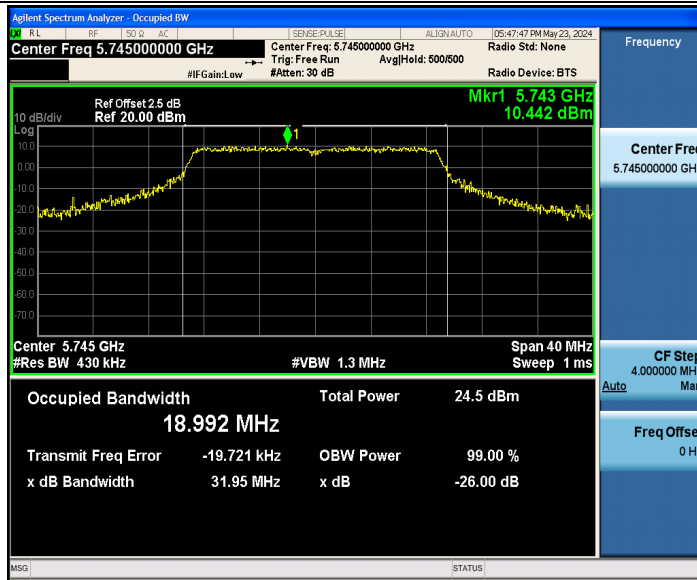
802.11n(HT20)_5200



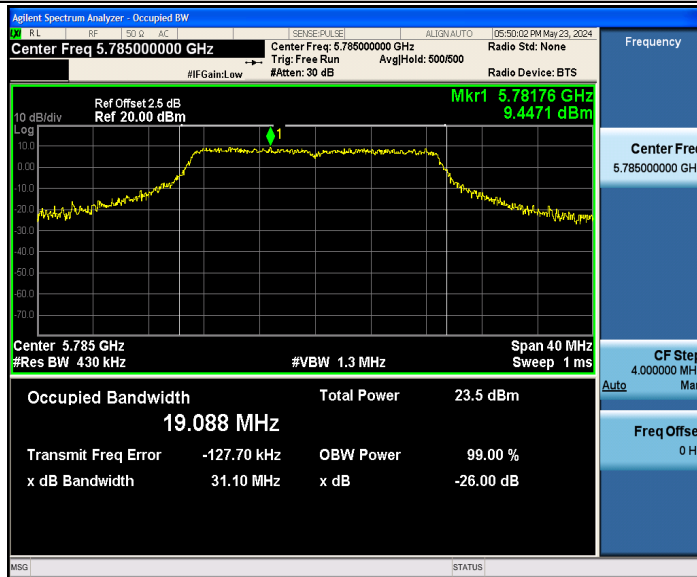
802.11n(HT20)_5240



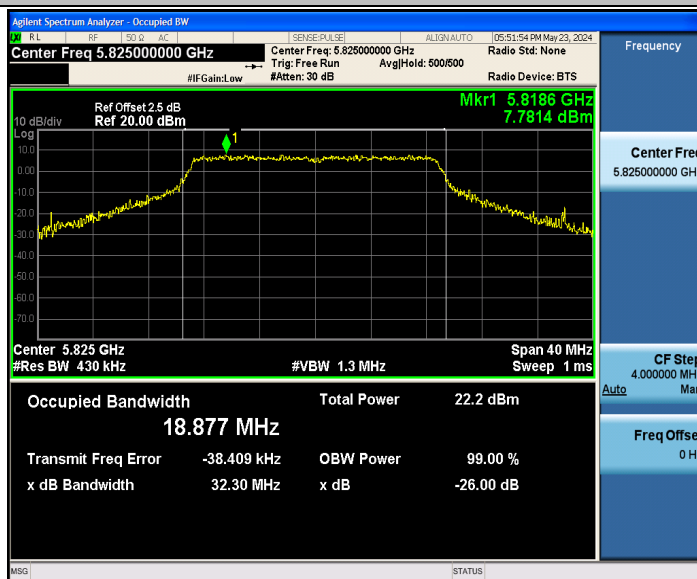
802.11n(HT20)_5745



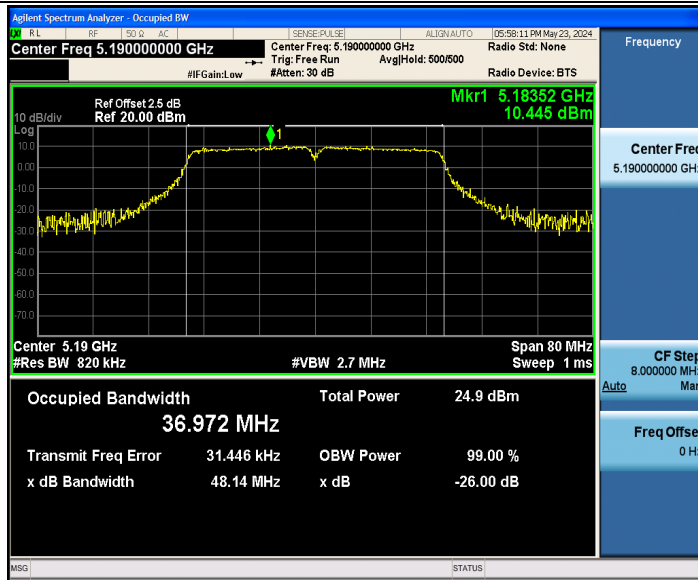
802.11n(HT20)_5785



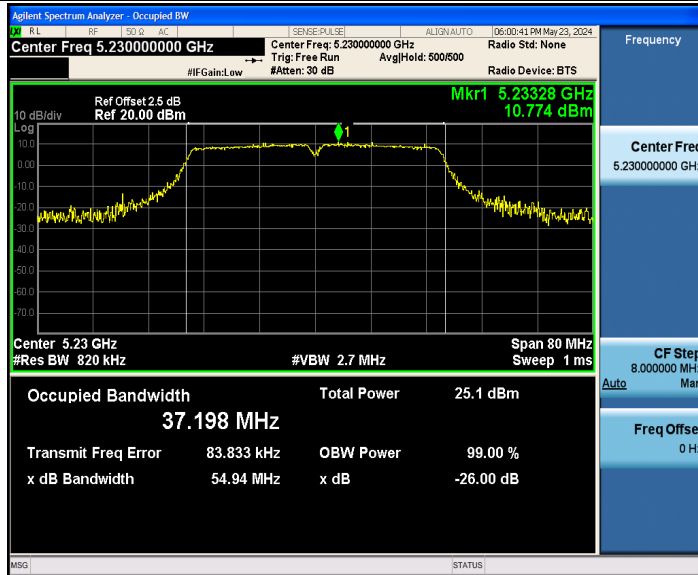
802.11n(HT20)_5825



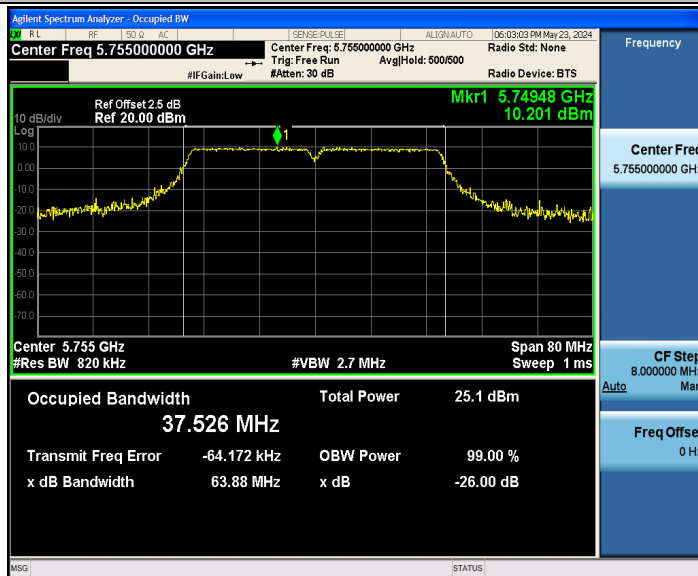
802.11n(HT40)_5190



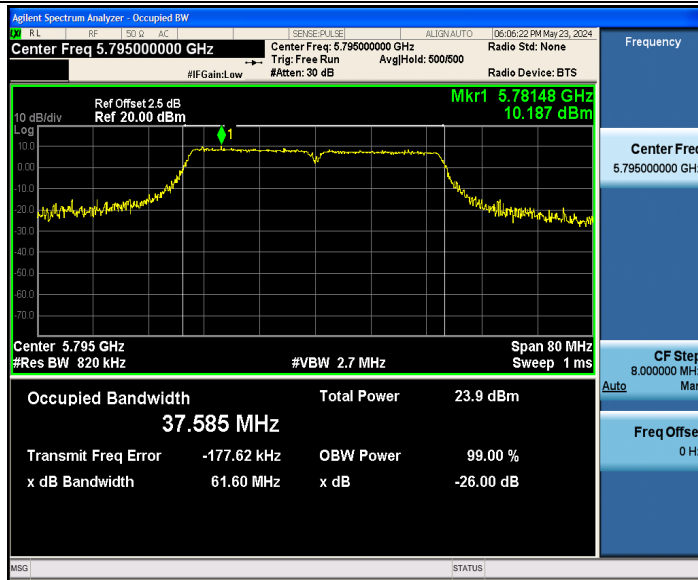
802.11n(HT40)_5230



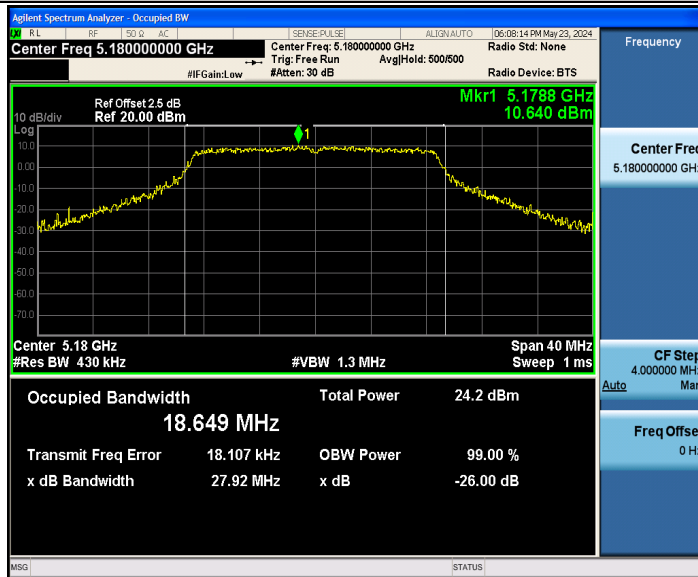
802.11n(HT40)_5755



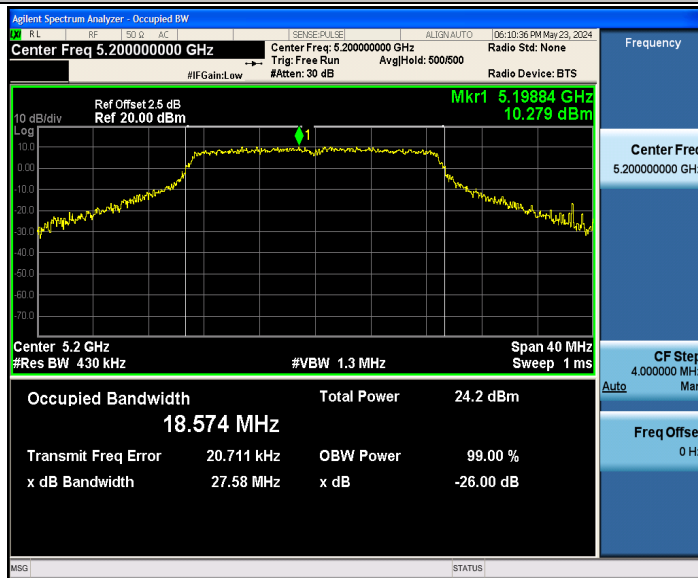
802.11n(HT40)_5795



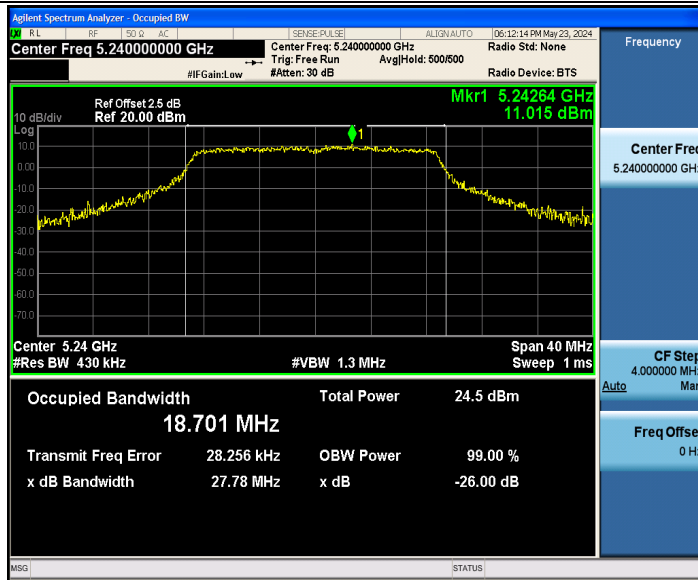
802.11ac(VHT20)_5180



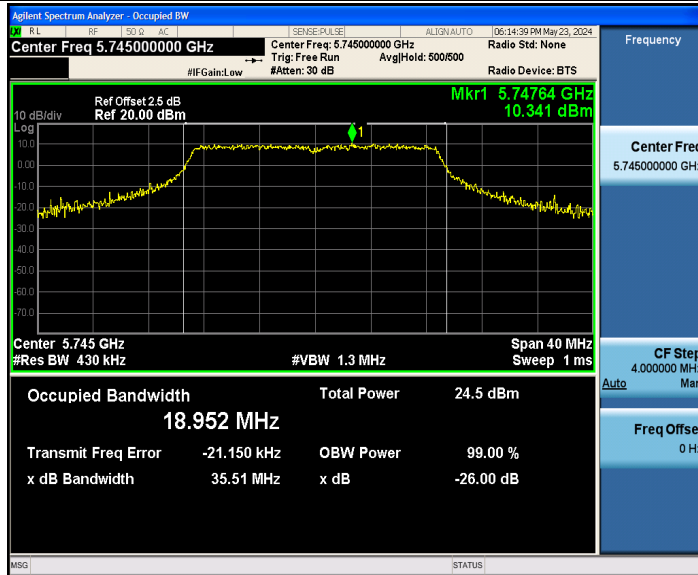
802.11ac(VHT20)_5200



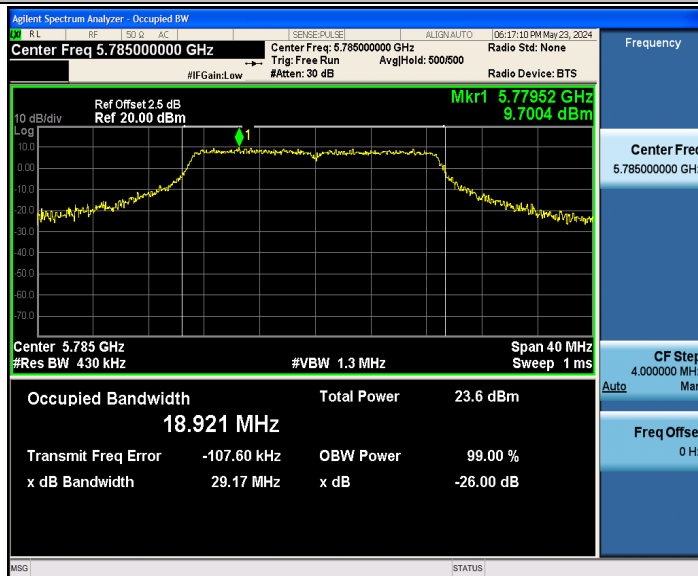
802.11ac(VHT20)_5240



802.11ac(VHT20)_5745



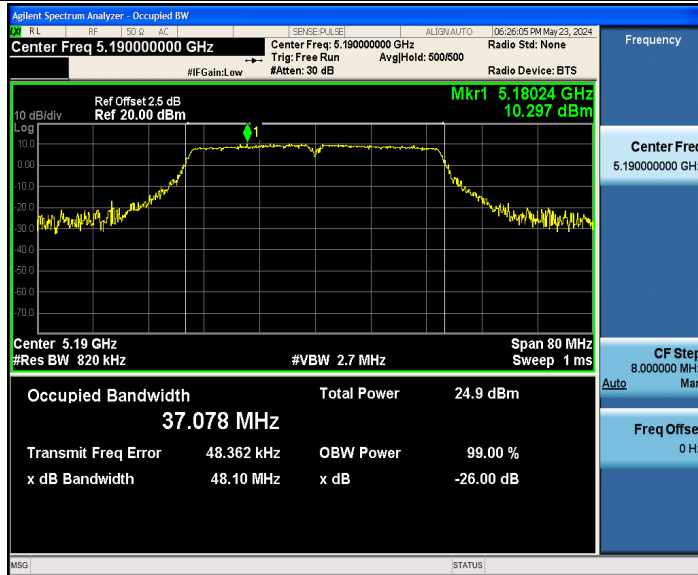
802.11ac(VHT20)_5785



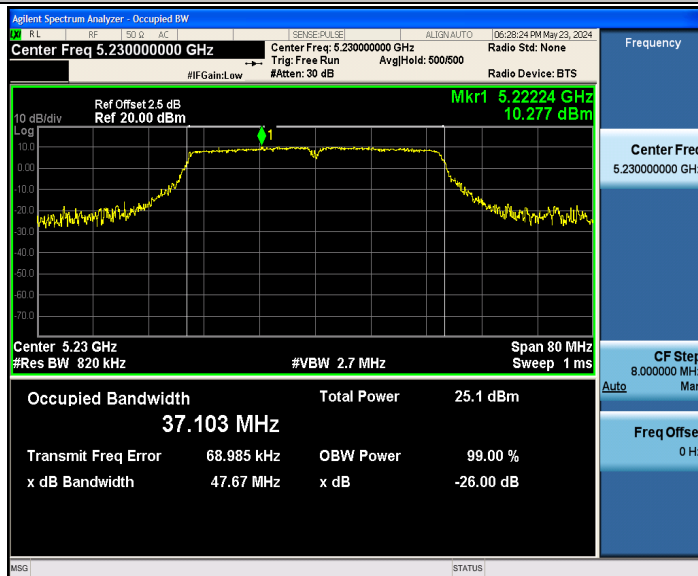
802.11ac(VHT20)_5825



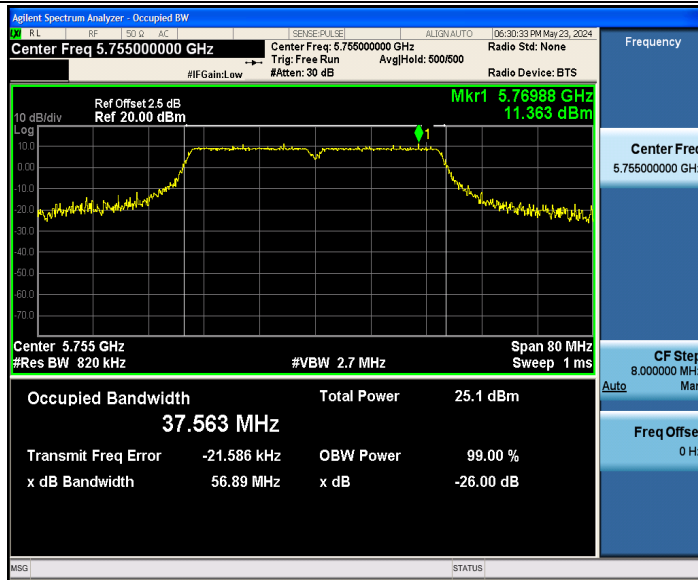
802.11ac(VHT40)_5190



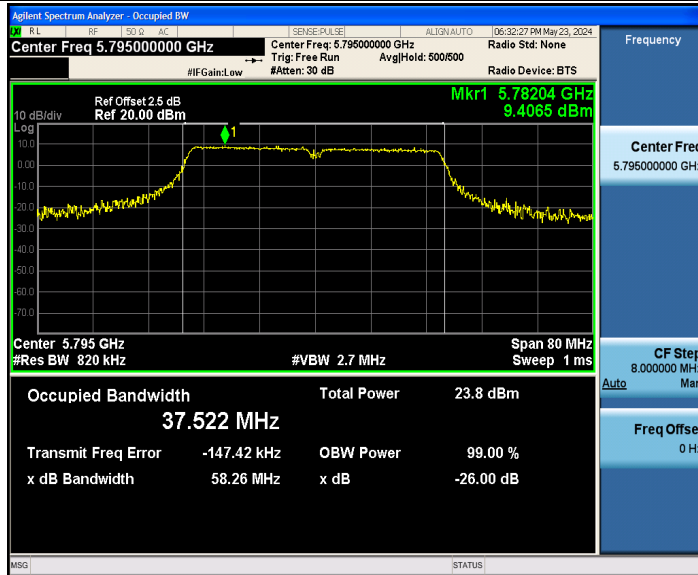
802.11ac(VHT40)_5230



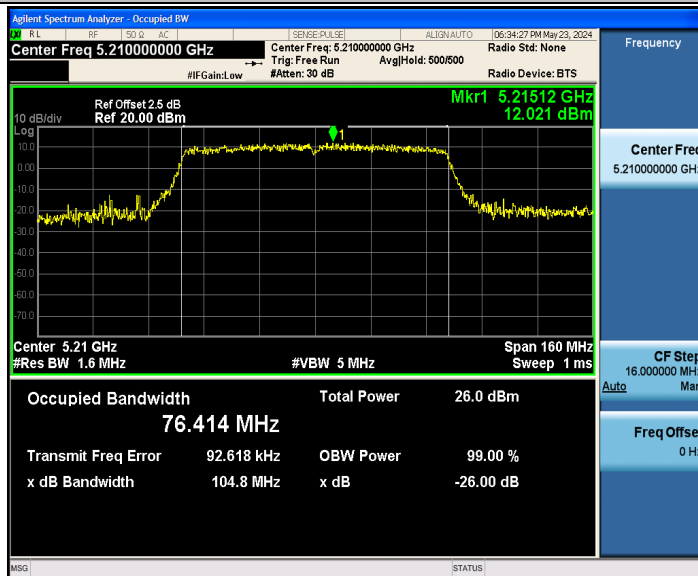
802.11ac(VHT40)_5755



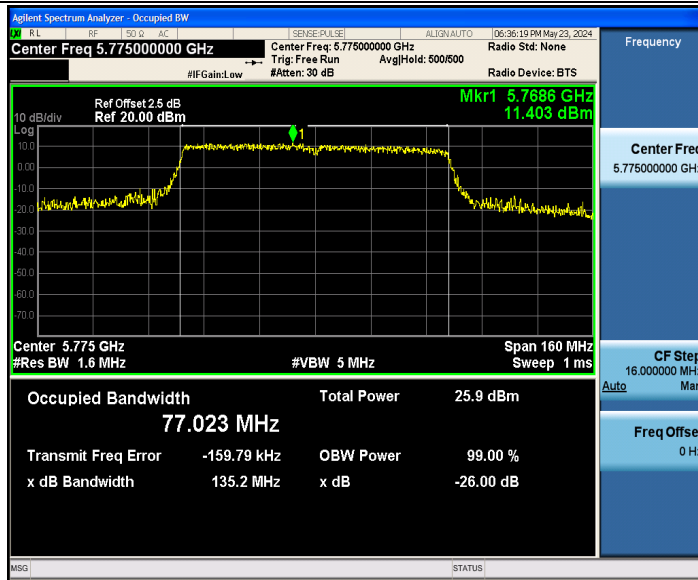
802.11ac(VHT40)_5795



802.11ac(VHT80)_5210



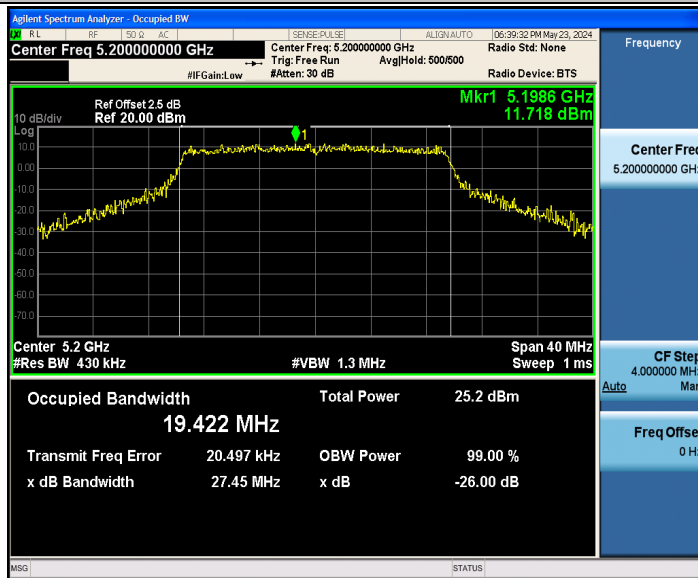
802.11ac(VHT80)_5775



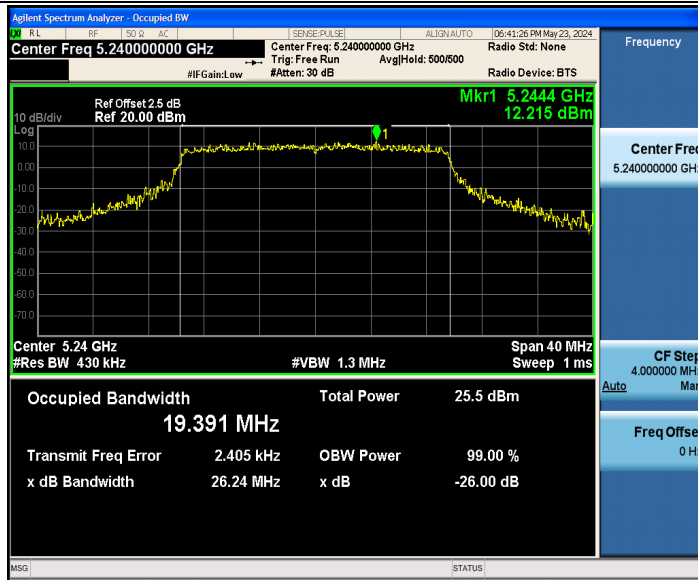
802.11ax(HE20)_5180



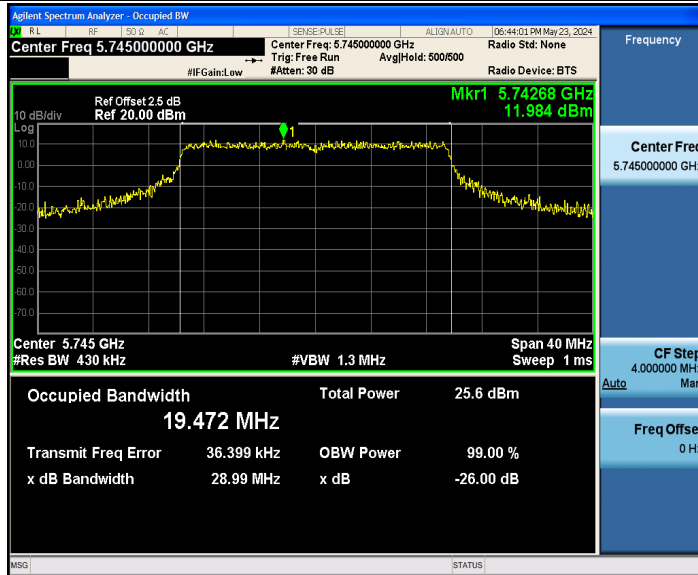
802.11ax(HE20)_5200



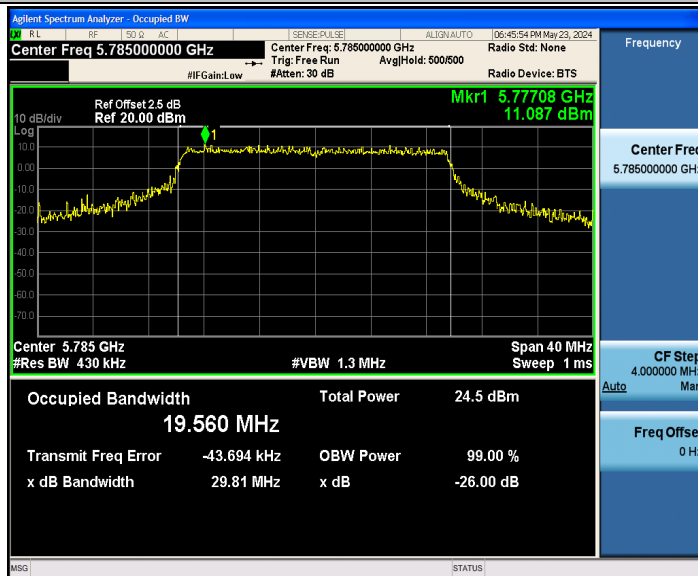
802.11ax(HE20)_5240



802.11ax(HE20)_5745



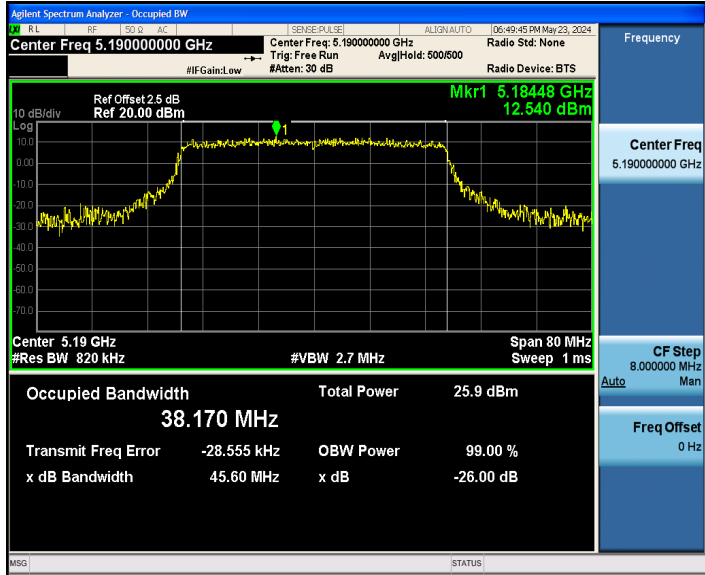
802.11ax(HE20)_5785



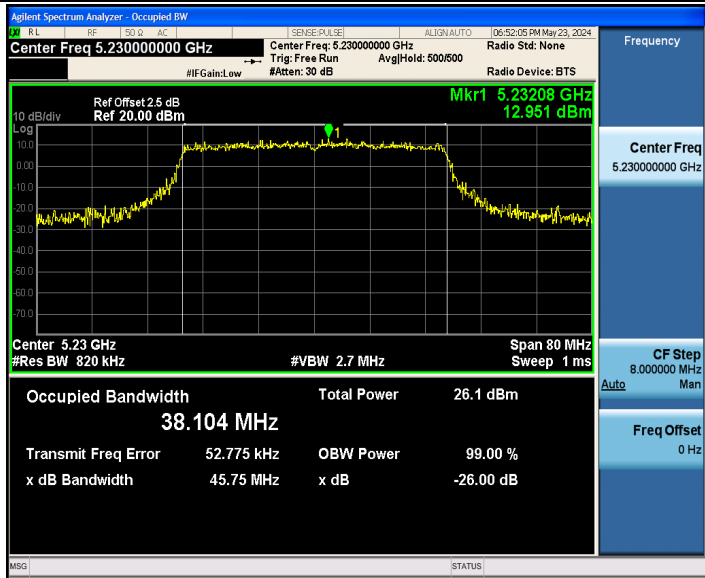
802.11ax(HE20)_5825



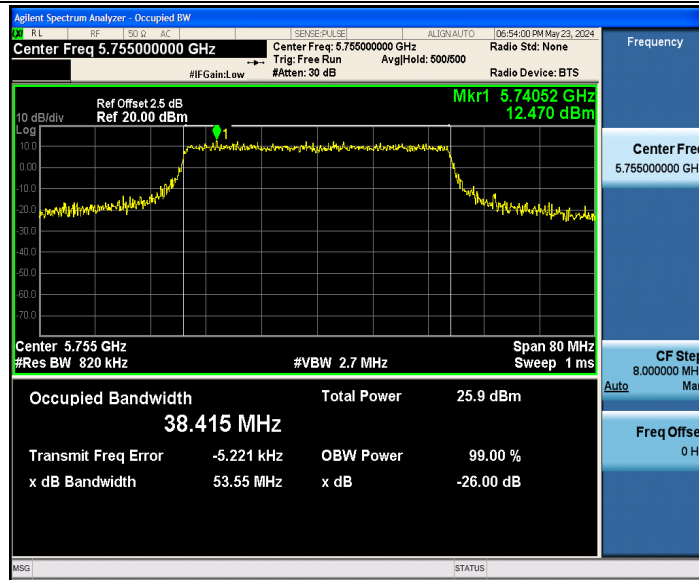
802.11ax(HE40)_5190



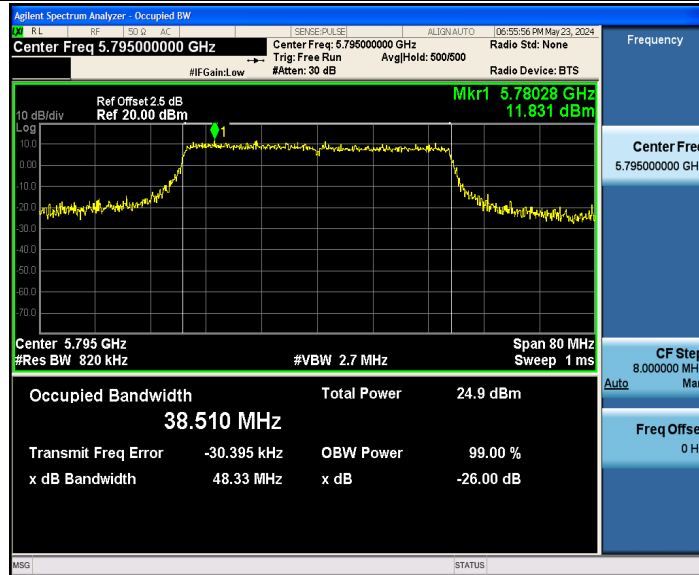
802.11ax(HE40)_5230



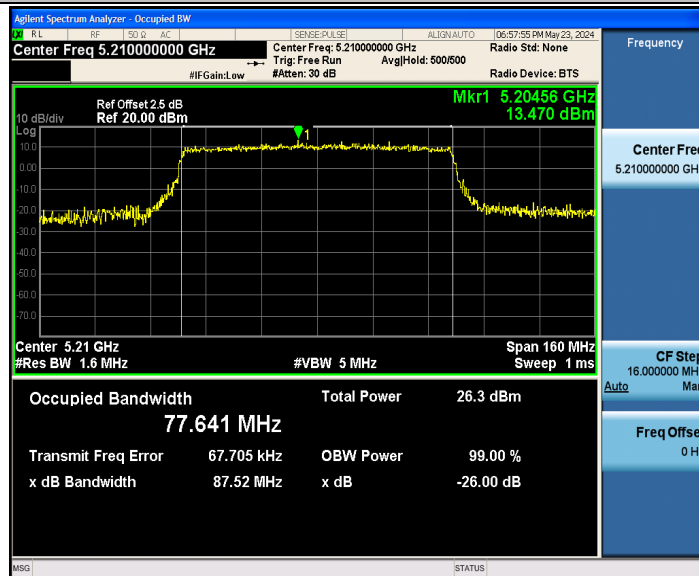
802.11ax(HE40)_5755



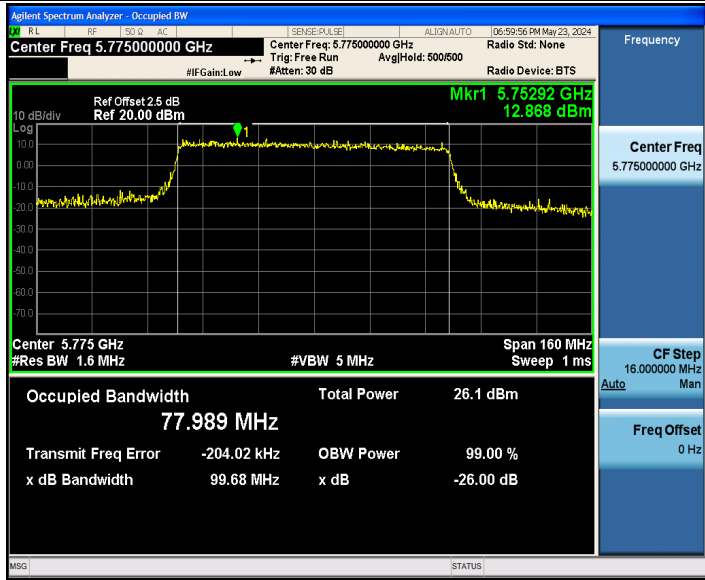
802.11ax(HE40)_5795



802.11ax(HE80)_5210



802.11ax(HE80)_5775



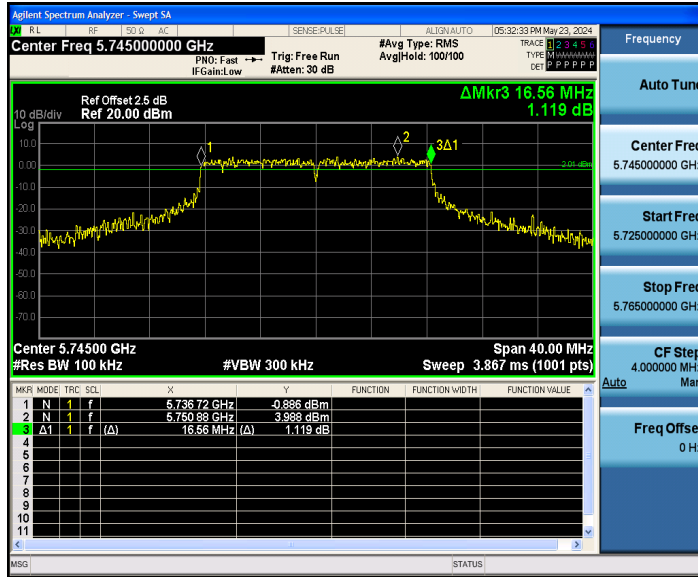
Appendix A3: Min emission bandwidth

Test Result

| TestMode | Freq. [MHz] | 6db EBW [MHz] | FL[MHz] | FH[MHz] | Limit[MHz] | Verdict |
|-----------------|-------------|---------------|----------|----------|------------|---------|
| 802.11a | 5745 | 16.560 | 5736.720 | 5753.280 | 0.5 | PASS |
| | 5785 | 16.360 | 5776.840 | 5793.200 | 0.5 | PASS |
| | 5825 | 16.280 | 5816.880 | 5833.160 | 0.5 | PASS |
| 802.11n(HT20) | 5745 | 17.600 | 5736.200 | 5753.800 | 0.5 | PASS |
| | 5785 | 17.760 | 5776.120 | 5793.880 | 0.5 | PASS |
| | 5825 | 17.720 | 5816.120 | 5833.840 | 0.5 | PASS |
| 802.11n(HT40) | 5755 | 36.400 | 5736.760 | 5773.160 | 0.5 | PASS |
| | 5795 | 35.680 | 5776.840 | 5812.520 | 0.5 | PASS |
| 802.11ac(VHT20) | 5745 | 17.720 | 5736.120 | 5753.840 | 0.5 | PASS |
| | 5785 | 17.800 | 5776.080 | 5793.880 | 0.5 | PASS |
| | 5825 | 17.520 | 5816.240 | 5833.760 | 0.5 | PASS |
| 802.11ac(VHT40) | 5755 | 36.320 | 5736.840 | 5773.160 | 0.5 | PASS |
| | 5795 | 35.680 | 5776.840 | 5812.520 | 0.5 | PASS |
| 802.11ac(VHT80) | 5775 | 76.160 | 5736.760 | 5812.920 | 0.5 | PASS |
| 802.11ax(HE20) | 5745 | 18.880 | 5735.600 | 5754.480 | 0.5 | PASS |
| | 5785 | 19.040 | 5775.480 | 5794.520 | 0.5 | PASS |
| | 5825 | 19.000 | 5815.520 | 5834.520 | 0.5 | PASS |
| 802.11ax(HE40) | 5755 | 37.760 | 5736.040 | 5773.800 | 0.5 | PASS |
| | 5795 | 38.160 | 5775.880 | 5814.040 | 0.5 | PASS |
| 802.11ax(HE80) | 5775 | 77.280 | 5736.280 | 5813.560 | 0.5 | PASS |

Test Graphs

802.11a_5745



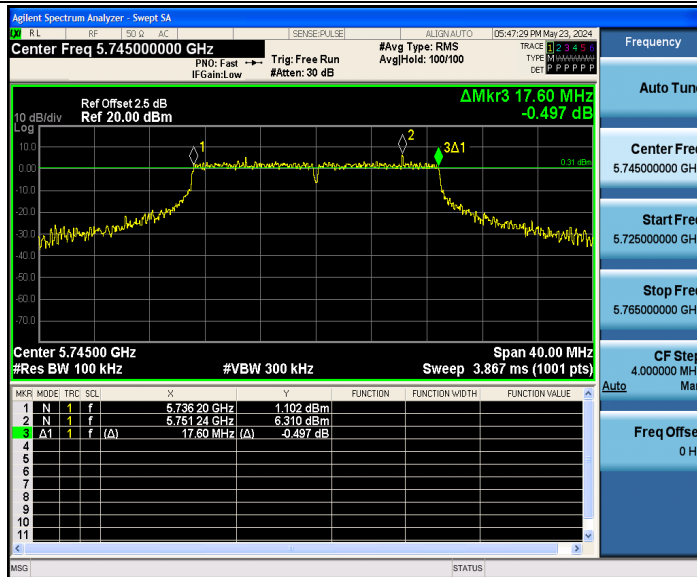
802.11a_5785



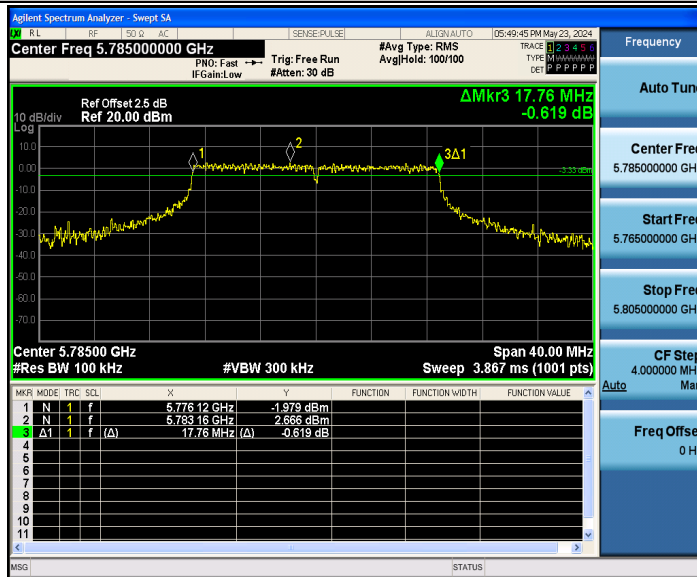
802.11a_5825



802.11n(HT20)_5745



802.11n(HT20)_5785



802.11n(HT20)_5825



802.11n(HT40)_5755