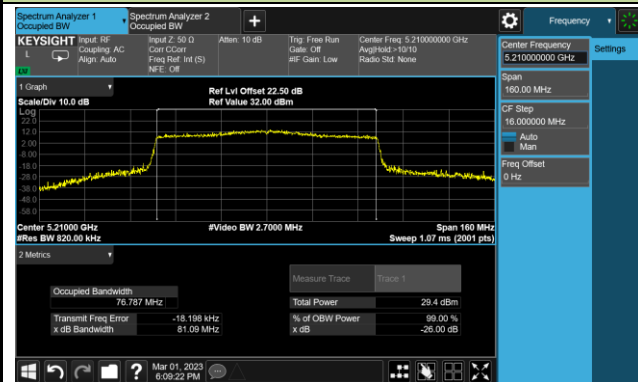
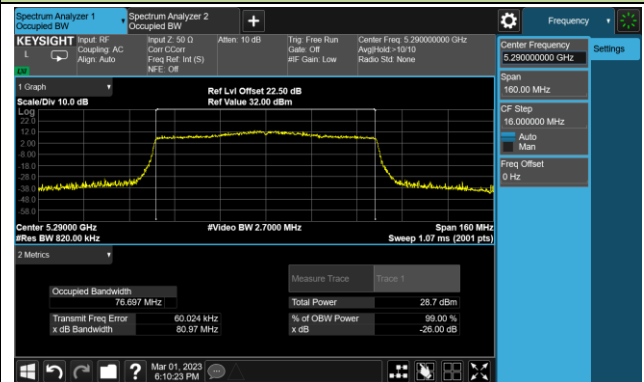


802.11ax-HE80 26dB Bandwidth

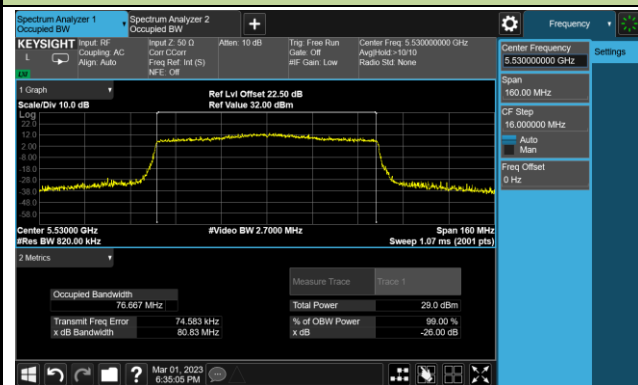
Channel 42 (5210MHz)



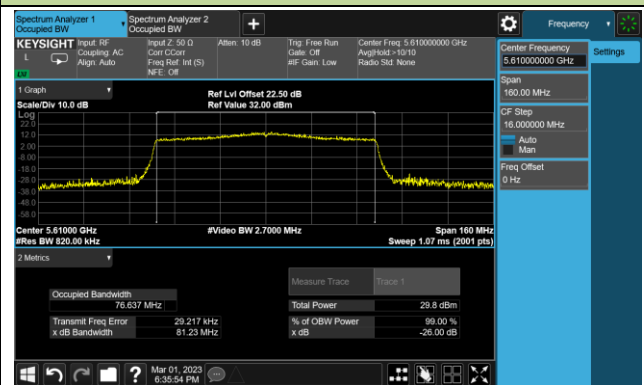
Channel 58 (5290MHz)



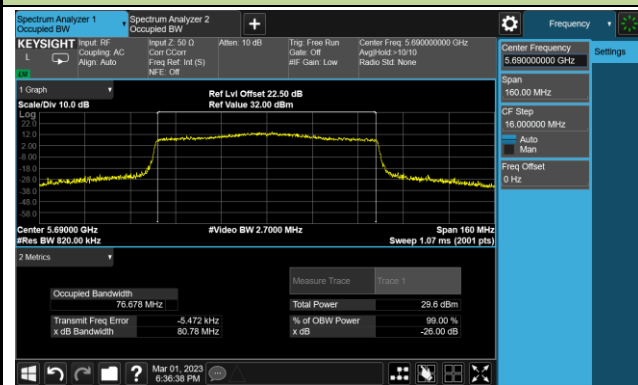
Channel 106 (5530MHz)



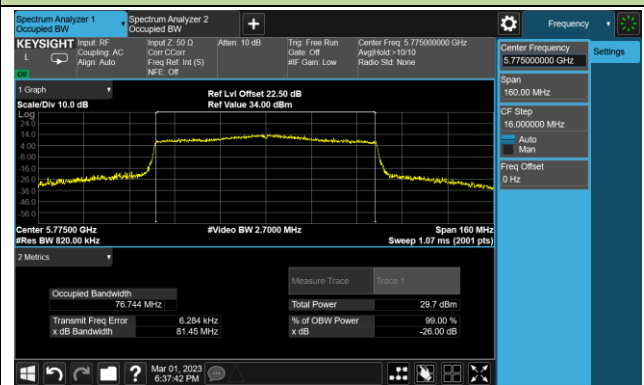
Channel 122 (5610MHz)

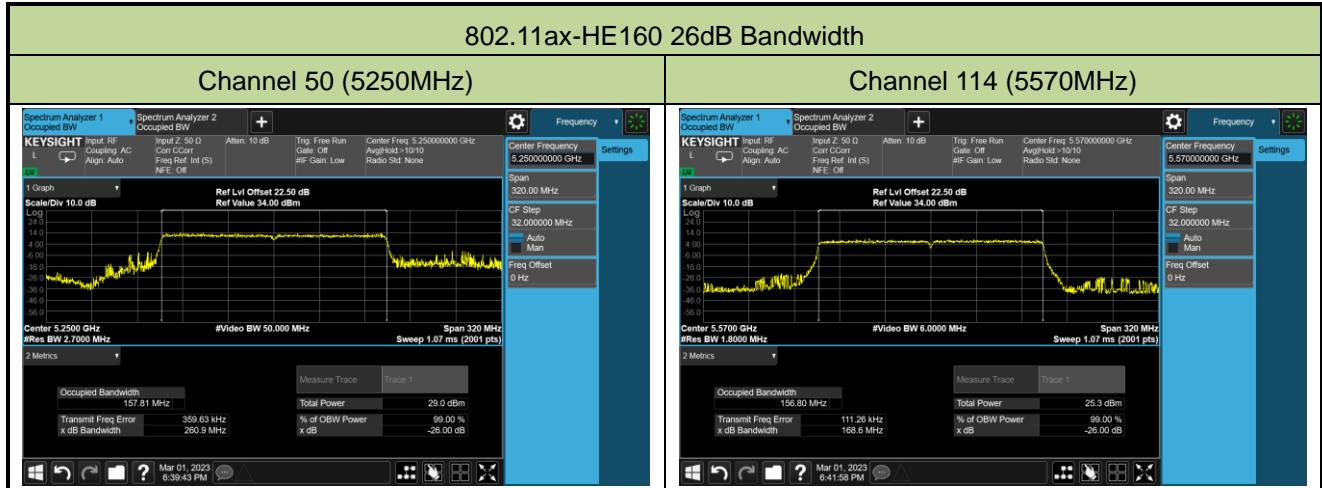


Channel 138 (5690MHz)



Channel 155 (5775MHz)

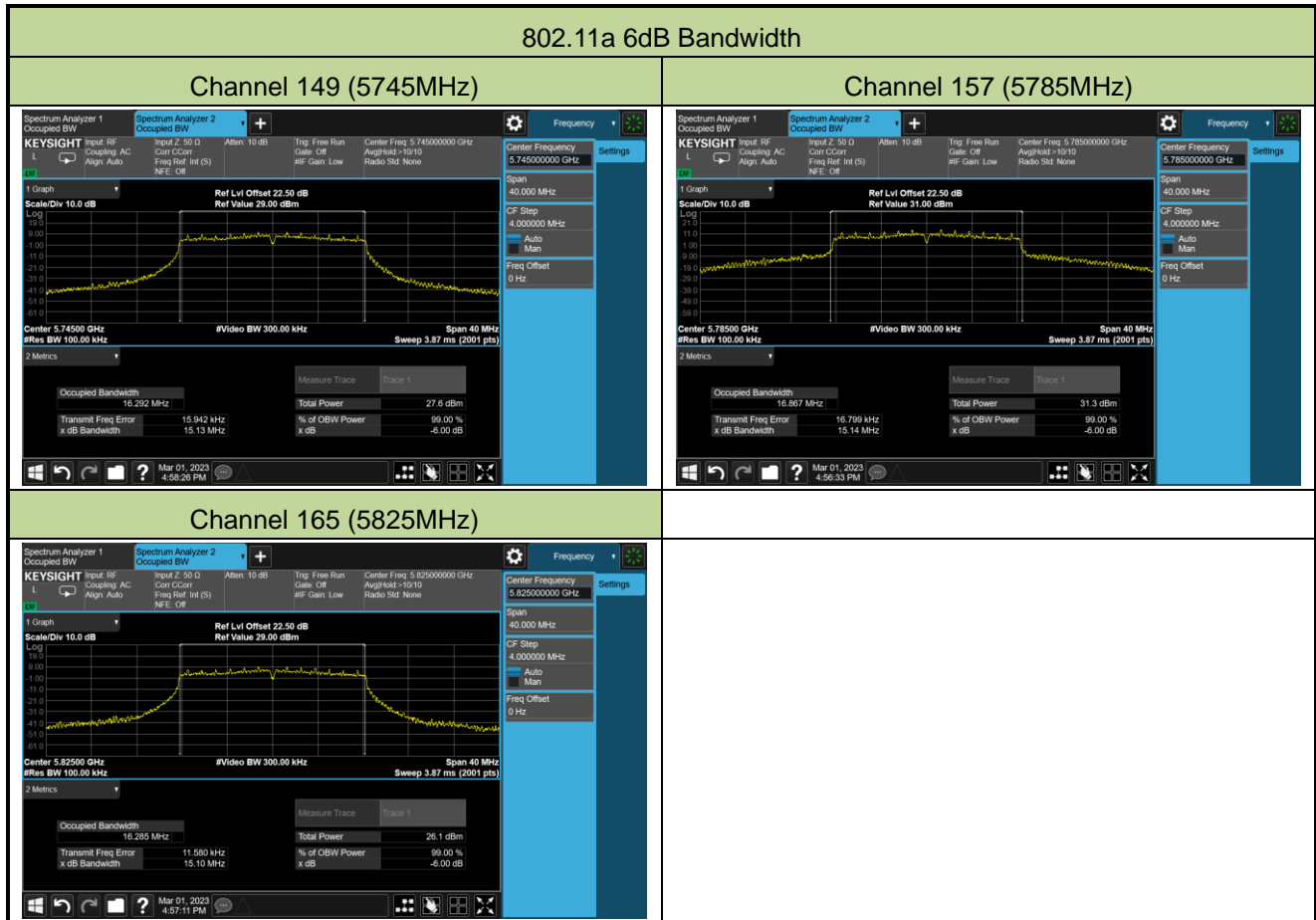




A.3 6dB Bandwidth Test Result

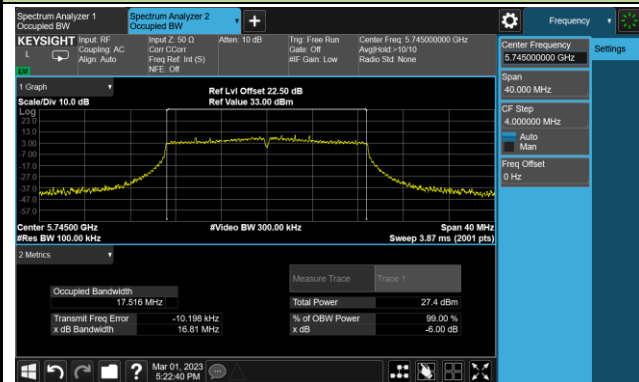
| | | | |
|-----------|------------|---------------|-------------|
| Test Site | SIP-TR1 | Test Engineer | Nandy Zhang |
| Test Date | 2023-03-01 | | |

| Test Mode | Data Rate/ MCS | Channel No. | Frequency (MHz) | 6dB Bandwidth (MHz) | Limit (MHz) |
|------------|-------------------|-------------|--------------------|------------------------|----------------|
| 11a | 18Mbps | 149 | 5745 | 15.13 | ≥0.5 |
| 11a | 18Mbps | 157 | 5785 | 15.14 | ≥0.5 |
| 11a | 18Mbps | 165 | 5825 | 15.10 | ≥0.5 |
| 11ac-VHT20 | MCS2 | 149 | 5745 | 16.81 | ≥0.5 |
| 11ac-VHT20 | MCS2 | 157 | 5785 | 15.12 | ≥0.5 |
| 11ac-VHT20 | MCS2 | 165 | 5825 | 15.99 | ≥0.5 |
| 11ac-VHT40 | MCS2 | 151 | 5755 | 33.82 | ≥0.5 |
| 11ac-VHT40 | MCS2 | 159 | 5795 | 35.20 | ≥0.5 |
| 11ac-VHT80 | MCS2 | 155 | 5775 | 71.36 | ≥0.5 |
| 11ax-HE20 | MCS3 | 149 | 5745 | 18.02 | ≥0.5 |
| 11ax-HE20 | MCS3 | 157 | 5785 | 16.50 | ≥0.5 |
| 11ax-HE20 | MCS3 | 165 | 5825 | 18.82 | ≥0.5 |
| 11ax-HE40 | MCS3 | 151 | 5755 | 36.96 | ≥0.5 |
| 11ax-HE40 | MCS3 | 159 | 5795 | 35.85 | ≥0.5 |
| 11ax-HE80 | MCS3 | 155 | 5775 | 72.61 | ≥0.5 |

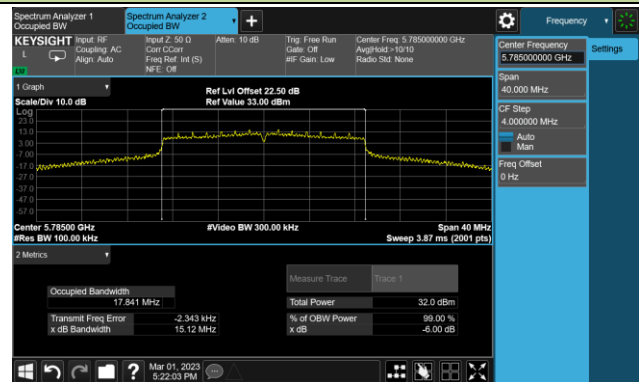


802.11ac-VHT20 6dB Bandwidth

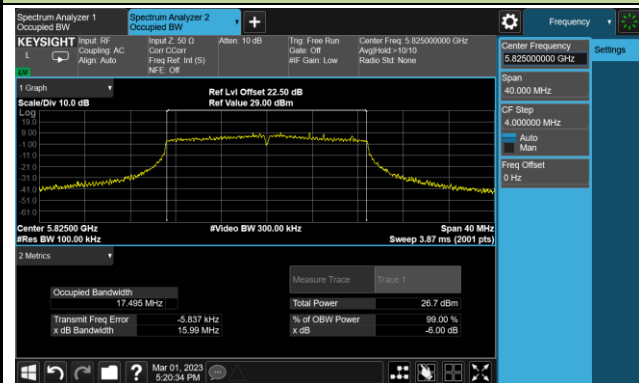
Channel 149 (5745MHz)



Channel 157 (5785MHz)

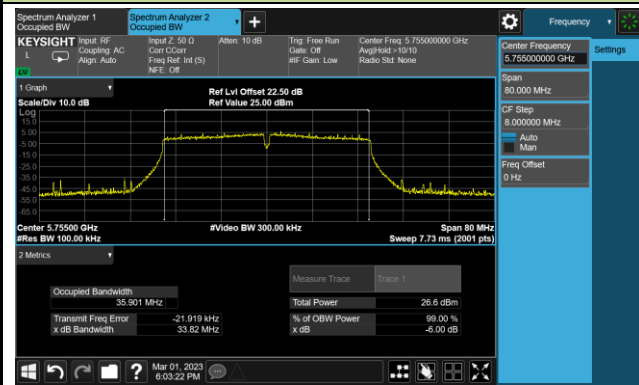


Channel 165 (5825MHz)

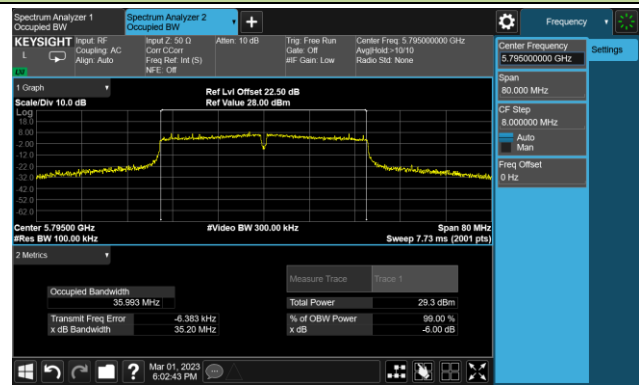


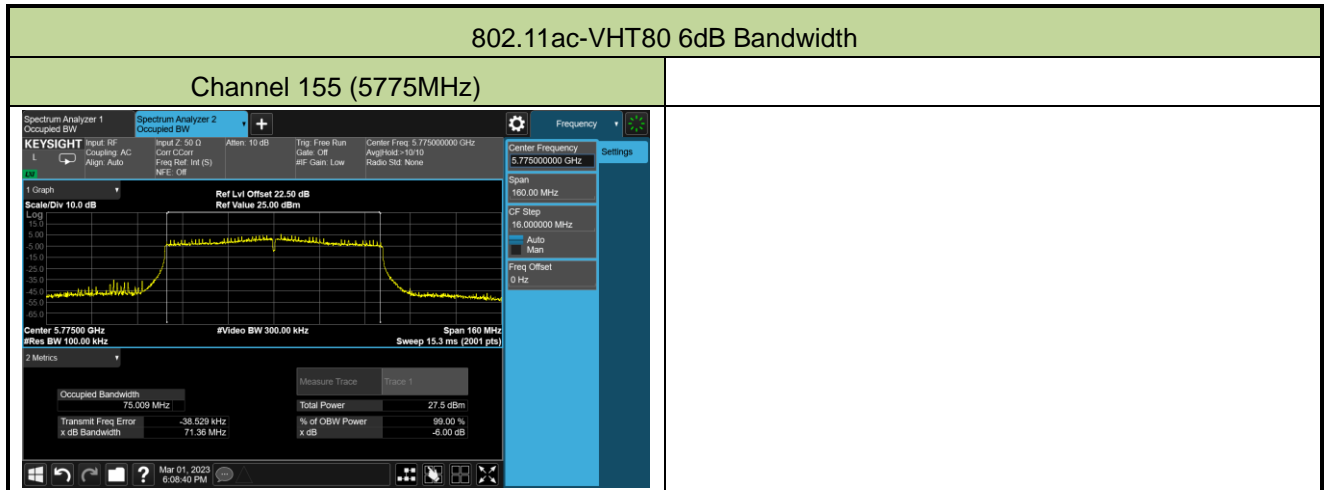
802.11ac-VHT40 6dB Bandwidth

Channel 151 (5755MHz)



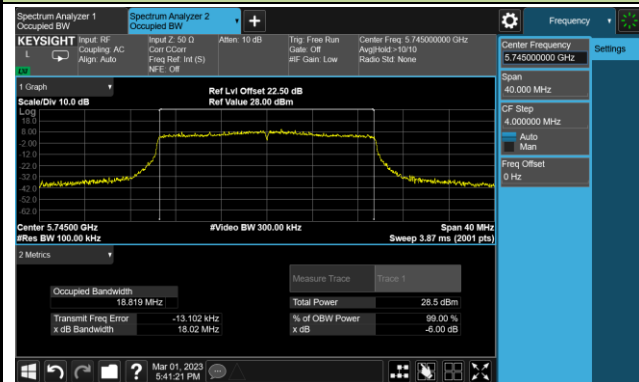
Channel 159 (5795MHz)



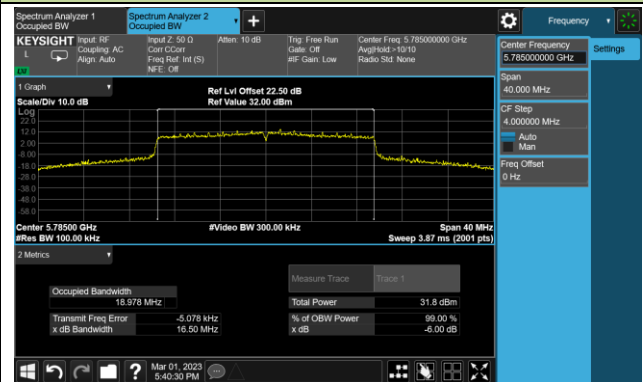


802.11ax-HE20 6dB Bandwidth

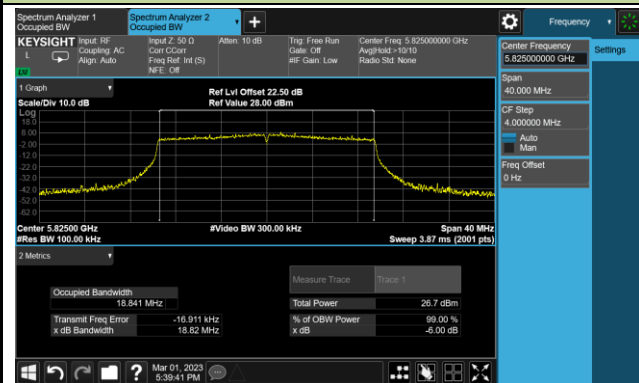
Channel 149 (5745MHz)



Channel 157 (5785MHz)

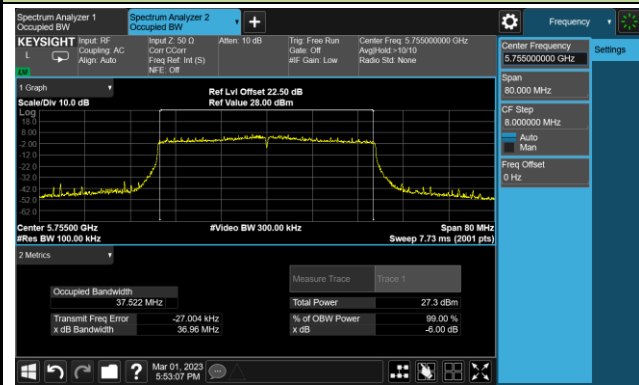


Channel 165 (5825MHz)

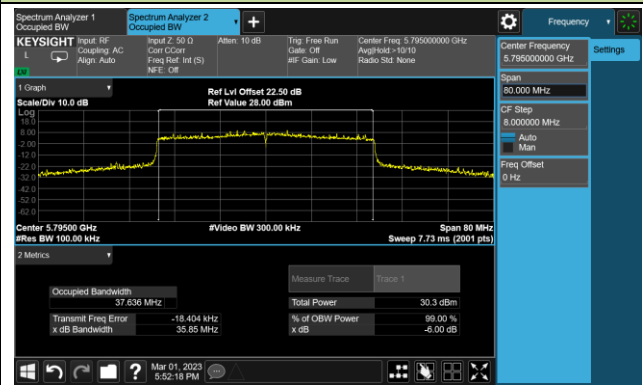


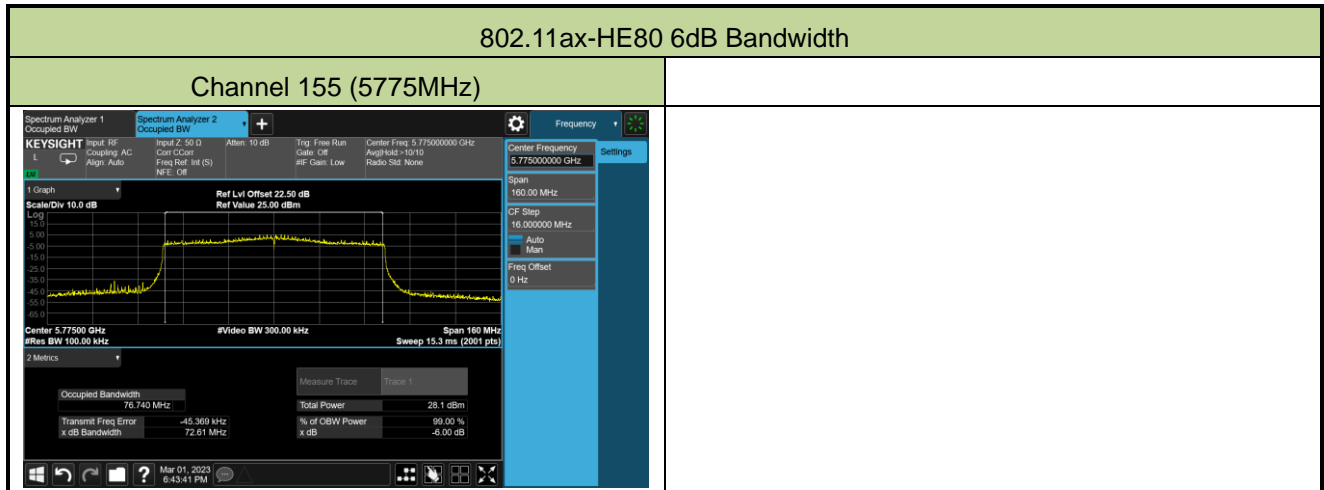
802.11ac-VHT40 6dB Bandwidth

Channel 151 (5755MHz)



Channel 159 (5795MHz)





A.4 Output Power Test Result

| | | | |
|-----------|------------|---------------|-------------|
| Test Site | SIP-TR1 | Test Engineer | Nandy Zhang |
| Test Date | 2023-02-23 | | |

| Test Mode | Data Rate MCS | Channel No. | Freq. (MHz) | Average Power (dBm) | | Total Average Power (dBm) | Power Limit (dBm) |
|------------|------------------|----------------|----------------|------------------------|-------|---------------------------------|----------------------|
| | | | | Ant 0 | Ant 1 | | |
| 11a | 18Mbps | 36 | 5180 | 23.12 | 23.09 | 26.12 | ≤ 30.00 |
| 11a | 18Mbps | 44 | 5220 | 23.70 | 23.53 | 26.63 | ≤ 30.00 |
| 11a | 18Mbps | 48 | 5240 | 23.21 | 23.88 | 26.57 | ≤ 30.00 |
| 11a | 18Mbps | 52 | 5260 | 16.70 | 17.84 | 20.32 | ≤ 23.98 |
| 11a | 18Mbps | 60 | 5300 | 16.62 | 17.71 | 20.21 | ≤ 23.98 |
| 11a | 18Mbps | 64 | 5320 | 16.41 | 17.79 | 20.16 | ≤ 23.98 |
| 11a | 18Mbps | 100 | 5500 | 17.31 | 17.13 | 20.23 | ≤ 23.98 |
| 11a | 18Mbps | 116 | 5580 | 17.19 | 16.94 | 20.08 | ≤ 23.98 |
| 11a | 18Mbps | 140 | 5700 | 17.03 | 17.78 | 20.43 | ≤ 23.98 |
| 11a | 18Mbps | 144 | 5720 | 16.97 | 17.72 | 20.37 | ≤ 22.52 |
| 11a | 18Mbps | 149 | 5745 | 20.65 | 20.84 | 23.76 | ≤ 30.00 |
| 11a | 18Mbps | 157 | 5785 | 24.23 | 24.56 | 27.41 | ≤ 30.00 |
| 11a | 18Mbps | 165 | 5825 | 19.12 | 20.14 | 22.67 | ≤ 30.00 |
| 11ac-VHT20 | MCS2 | 36 | 5180 | 23.26 | 23.24 | 26.26 | ≤ 30.00 |
| 11ac-VHT20 | MCS2 | 44 | 5220 | 23.94 | 24.71 | 27.35 | ≤ 30.00 |
| 11ac-VHT20 | MCS2 | 48 | 5240 | 24.14 | 24.79 | 27.49 | ≤ 30.00 |
| 11ac-VHT20 | MCS2 | 52 | 5260 | 17.40 | 18.53 | 21.01 | ≤ 23.98 |
| 11ac-VHT20 | MCS2 | 60 | 5300 | 17.33 | 18.64 | 21.04 | ≤ 23.98 |
| 11ac-VHT20 | MCS2 | 64 | 5320 | 17.32 | 18.52 | 20.97 | ≤ 23.98 |
| 11ac-VHT20 | MCS2 | 100 | 5500 | 18.14 | 18.21 | 21.19 | ≤ 23.98 |
| 11ac-VHT20 | MCS2 | 116 | 5580 | 18.34 | 18.01 | 21.19 | ≤ 23.98 |
| 11ac-VHT20 | MCS2 | 140 | 5700 | 17.80 | 19.03 | 21.47 | ≤ 23.98 |
| 11ac-VHT20 | MCS2 | 144 | 5720 | 17.95 | 18.67 | 21.34 | ≤ 22.68 |
| 11ac-VHT20 | MCS2 | 149 | 5745 | 20.52 | 20.89 | 23.72 | ≤ 30.00 |
| 11ac-VHT20 | MCS2 | 157 | 5785 | 24.46 | 24.48 | 27.48 | ≤ 30.00 |
| 11ac-VHT20 | MCS2 | 165 | 5825 | 19.62 | 20.41 | 23.04 | ≤ 30.00 |

| Test Mode | Data Rate MCS | Channel No. | Freq. (MHz) | Average Power (dBm) | | Total Average Power (dBm) | Power Limit (dBm) |
|-------------|------------------|----------------|----------------|------------------------|-------|---------------------------------|----------------------|
| | | | | Ant 0 | Ant 1 | | |
| 11ac-VHT40 | MCS2 | 38 | 5190 | 22.03 | 21.89 | 24.97 | ≤ 30.00 |
| 11ac-VHT40 | MCS2 | 46 | 5230 | 24.44 | 24.80 | 27.63 | ≤ 30.00 |
| 11ac-VHT40 | MCS2 | 54 | 5270 | 19.48 | 20.91 | 23.26 | ≤ 23.98 |
| 11ac-VHT40 | MCS2 | 62 | 5310 | 17.64 | 18.56 | 21.13 | ≤ 23.98 |
| 11ac-VHT40 | MCS2 | 102 | 5510 | 20.53 | 20.76 | 23.66 | ≤ 23.98 |
| 11ac-VHT40 | MCS2 | 110 | 5550 | 20.54 | 20.40 | 23.48 | ≤ 23.98 |
| 11ac-VHT40 | MCS2 | 134 | 5670 | 16.23 | 16.55 | 19.40 | ≤ 23.98 |
| 11ac-VHT40 | MCS2 | 142 | 5710 | 20.44 | 21.09 | 23.79 | ≤ 23.98 |
| 11ac-VHT40 | MCS2 | 151 | 5755 | 19.25 | 19.57 | 22.42 | ≤ 30.00 |
| 11ac-VHT40 | MCS2 | 159 | 5795 | 22.80 | 22.71 | 25.77 | ≤ 30.00 |
| 11ac-VHT80 | MCS2 | 42 | 5210 | 21.10 | 21.38 | 24.25 | ≤ 30.00 |
| 11ac-VHT80 | MCS2 | 58 | 5290 | 18.69 | 20.12 | 22.47 | ≤ 23.98 |
| 11ac-VHT80 | MCS2 | 106 | 5530 | 20.71 | 20.45 | 23.59 | ≤ 23.98 |
| 11ac-VHT80 | MCS2 | 122 | 5610 | 20.78 | 20.51 | 23.66 | ≤ 23.98 |
| 11ac-VHT80 | MCS2 | 138 | 5690 | 20.39 | 21.13 | 23.79 | ≤ 23.98 |
| 11ac-VHT80 | MCS2 | 155 | 5775 | 19.88 | 20.01 | 22.96 | ≤ 30.00 |
| 11ac-VHT160 | MCS5 | 50 | 5250 | 19.03 | 19.76 | 22.42 | ≤ 23.98 |
| 11ac-VHT160 | MCS5 | 114 | 5570 | 16.21 | 16.34 | 19.29 | ≤ 23.98 |
| 11ax-HE20 | MCS3 | 36 | 5180 | 23.02 | 22.65 | 25.85 | ≤ 30.00 |
| 11ax-HE20 | MCS3 | 44 | 5220 | 24.09 | 24.53 | 27.33 | ≤ 30.00 |
| 11ax-HE20 | MCS3 | 48 | 5240 | 24.34 | 24.89 | 27.63 | ≤ 30.00 |
| 11ax-HE20 | MCS3 | 52 | 5260 | 17.38 | 18.51 | 20.99 | ≤ 23.98 |
| 11ax-HE20 | MCS3 | 60 | 5300 | 17.39 | 18.44 | 20.96 | ≤ 23.98 |
| 11ax-HE20 | MCS3 | 64 | 5320 | 17.26 | 18.47 | 20.92 | ≤ 23.98 |
| 11ax-HE20 | MCS3 | 100 | 5500 | 18.79 | 18.48 | 21.65 | ≤ 23.98 |
| 11ax-HE20 | MCS3 | 116 | 5580 | 18.16 | 17.89 | 21.04 | ≤ 23.98 |
| 11ax-HE20 | MCS3 | 140 | 5700 | 17.91 | 18.72 | 21.34 | ≤ 23.98 |
| 11ax-HE20 | MCS3 | 144 | 5720 | 17.72 | 18.58 | 21.18 | ≤ 22.84 |
| 11ax-HE20 | MCS3 | 149 | 5745 | 20.07 | 20.25 | 23.17 | ≤ 30.00 |
| 11ax-HE20 | MCS3 | 157 | 5785 | 23.95 | 23.88 | 26.93 | ≤ 30.00 |
| 11ax-HE20 | MCS3 | 165 | 5825 | 18.68 | 18.82 | 21.76 | ≤ 30.00 |

| Test Mode | Data Rate MCS | Channel No. | Freq. (MHz) | Average Power (dBm) | | Total Average Power (dBm) | Power Limit (dBm) |
|------------|------------------|----------------|----------------|------------------------|-------|---------------------------------|----------------------|
| | | | | Ant 0 | Ant 1 | | |
| 11ax-HE40 | MCS3 | 38 | 5190 | 20.91 | 21.24 | 24.09 | ≤ 30.00 |
| 11ax-HE40 | MCS3 | 46 | 5230 | 24.38 | 24.66 | 27.53 | ≤ 30.00 |
| 11ax-HE40 | MCS3 | 54 | 5270 | 19.59 | 21.14 | 23.44 | ≤ 23.98 |
| 11ax-HE40 | MCS3 | 62 | 5310 | 16.88 | 18.21 | 20.61 | ≤ 23.98 |
| 11ax-HE40 | MCS3 | 102 | 5510 | 20.51 | 20.61 | 23.57 | ≤ 23.98 |
| 11ax-HE40 | MCS3 | 110 | 5550 | 20.68 | 20.26 | 23.49 | ≤ 23.98 |
| 11ax-HE40 | MCS3 | 134 | 5670 | 16.82 | 16.93 | 19.89 | ≤ 23.98 |
| 11ax-HE40 | MCS3 | 142 | 5710 | 20.38 | 21.05 | 23.74 | ≤ 23.98 |
| 11ax-HE40 | MCS3 | 151 | 5755 | 18.61 | 19.12 | 21.88 | ≤ 30.00 |
| 11ax-HE40 | MCS3 | 159 | 5795 | 22.86 | 22.61 | 25.75 | ≤ 30.00 |
| 11ax-HE80 | MCS3 | 42 | 5210 | 21.16 | 21.54 | 24.36 | ≤ 30.00 |
| 11ax-HE80 | MCS3 | 58 | 5290 | 18.32 | 19.57 | 22.00 | ≤ 23.98 |
| 11ax-HE80 | MCS3 | 106 | 5530 | 20.76 | 20.56 | 23.67 | ≤ 23.98 |
| 11ax-HE80 | MCS3 | 122 | 5610 | 20.89 | 20.62 | 23.77 | ≤ 23.98 |
| 11ax-HE80 | MCS3 | 138 | 5690 | 20.35 | 21.11 | 23.76 | ≤ 23.98 |
| 11ax-HE80 | MCS3 | 155 | 5775 | 19.45 | 19.60 | 22.54 | ≤ 30.00 |
| 11ax-HE160 | MCS5 | 50 | 5250 | 18.86 | 19.44 | 22.17 | ≤ 23.98 |
| 11ax-HE160 | MCS5 | 114 | 5570 | 15.78 | 15.64 | 18.72 | ≤ 23.98 |

Note 1: Total Average Power (dBm) = $10 \cdot \log \{10^{(\text{Ant 0 Average Power} / 10)} + 10^{(\text{Ant 1 Average Power} / 10)}\}$.

Note 2: For 5720MHz, Average Power Limit = $11 + 10 \cdot \log(5 + 26 \text{dBc} / 2)$.

A.5 Power Spectral Density Test Result

| | | | |
|-----------|--|---------------|-------------|
| Test Site | SIP-TR1 | Test Engineer | Nandy Zhang |
| Test Date | 2023-02-22~2023-02-23 | | |
| Test Item | Power Spectral Density (UNII-Band 1 & UNII-2a & UNII-2c) | | |

| Test Mode | Data Rate/ MCS | Channel No. | Freq. (MHz) | AVPSD (dBm/ MHz) | | Duty Cycle (%) | Total PSD (dBm/ MHz) | PSD Limit (dBm/MHz) |
|------------|-------------------|----------------|----------------|---------------------|-------|-------------------|----------------------------|---------------------------|
| | | | | Ant 0 | Ant 1 | | | |
| 11a | 18Mbps | 36 | 5180 | 12.88 | 12.73 | 97.12 | 15.95 | 16.70 |
| 11a | 18Mbps | 44 | 5220 | 13.46 | 13.17 | 97.12 | 16.45 | 16.70 |
| 11a | 18Mbps | 48 | 5240 | 13.15 | 13.66 | 97.12 | 16.55 | 16.70 |
| 11a | 18Mbps | 52 | 5260 | 6.54 | 7.47 | 97.12 | 10.17 | 10.70 |
| 11a | 18Mbps | 60 | 5300 | 6.40 | 7.68 | 97.12 | 10.22 | 10.70 |
| 11a | 18Mbps | 64 | 5320 | 6.44 | 7.60 | 97.12 | 10.20 | 10.70 |
| 11a | 18Mbps | 100 | 5500 | 7.11 | 6.73 | 97.12 | 10.06 | 10.70 |
| 11a | 18Mbps | 116 | 5580 | 7.43 | 6.90 | 97.12 | 10.31 | 10.70 |
| 11a | 18Mbps | 140 | 5700 | 6.66 | 7.53 | 97.12 | 10.25 | 10.70 |
| 11a | 18Mbps | 144 | 5720 | 6.51 | 7.66 | 97.12 | 10.26 | 10.70 |
| 11ac-VHT20 | MCS2 | 36 | 5180 | 12.78 | 12.43 | 96.64 | 15.77 | 17.00 |
| 11ac-VHT20 | MCS2 | 44 | 5220 | 13.67 | 13.71 | 96.64 | 16.85 | 17.00 |
| 11ac-VHT20 | MCS2 | 48 | 5240 | 13.38 | 13.82 | 96.64 | 16.76 | 17.00 |
| 11ac-VHT20 | MCS2 | 52 | 5260 | 6.83 | 8.14 | 96.64 | 10.70 | 11.00 |
| 11ac-VHT20 | MCS2 | 60 | 5300 | 6.74 | 8.02 | 96.64 | 10.58 | 11.00 |
| 11ac-VHT20 | MCS2 | 64 | 5320 | 6.75 | 8.07 | 96.64 | 10.62 | 11.00 |
| 11ac-VHT20 | MCS2 | 100 | 5500 | 7.30 | 7.26 | 96.64 | 10.44 | 11.00 |
| 11ac-VHT20 | MCS2 | 116 | 5580 | 7.52 | 7.25 | 96.64 | 10.55 | 11.00 |
| 11ac-VHT20 | MCS2 | 140 | 5700 | 7.16 | 8.14 | 96.64 | 10.84 | 11.00 |
| 11ac-VHT20 | MCS2 | 144 | 5720 | 7.13 | 7.97 | 96.64 | 10.73 | 11.00 |
| 11ac-VHT40 | MCS2 | 38 | 5190 | 8.14 | 7.73 | 94.93 | 11.18 | 17.00 |
| 11ac-VHT40 | MCS2 | 46 | 5230 | 11.26 | 11.26 | 94.93 | 14.50 | 17.00 |
| 11ac-VHT40 | MCS2 | 54 | 5270 | 6.12 | 7.79 | 94.93 | 10.27 | 11.00 |
| 11ac-VHT40 | MCS2 | 62 | 5310 | 4.01 | 5.36 | 94.93 | 7.97 | 11.00 |
| 11ac-VHT40 | MCS2 | 102 | 5510 | 7.19 | 6.89 | 94.93 | 10.28 | 11.00 |
| 11ac-VHT40 | MCS2 | 110 | 5550 | 6.96 | 6.54 | 94.93 | 9.99 | 11.00 |
| 11ac-VHT40 | MCS2 | 134 | 5670 | 2.51 | 2.72 | 94.93 | 5.86 | 11.00 |
| 11ac-VHT40 | MCS2 | 142 | 5710 | 6.47 | 7.45 | 94.93 | 10.23 | 11.00 |

| Test Mode | Data Rate/ MCS | Channel No. | Freq. (MHz) | AVPSD | | Duty Cycle (%) | Total PSD (dBm/ MHz) | PSD Limit (dBm/MHz) |
|-------------|-------------------|----------------|----------------|------------|-------|-------------------|----------------------------|---------------------------|
| | | | | (dBm/ MHz) | | | | |
| | | | | Ant 0 | Ant 1 | | | |
| 11ac-VHT80 | MCS2 | 42 | 5210 | 5.07 | 4.66 | 91.92 | 8.25 | 17.00 |
| 11ac-VHT80 | MCS2 | 58 | 5290 | 2.69 | 4.24 | 91.92 | 6.91 | 11.00 |
| 11ac-VHT80 | MCS2 | 106 | 5530 | 4.45 | 4.32 | 91.92 | 7.76 | 11.00 |
| 11ac-VHT80 | MCS2 | 122 | 5610 | 4.51 | 4.65 | 91.92 | 7.96 | 11.00 |
| 11ac-VHT80 | MCS2 | 138 | 5690 | 4.08 | 5.22 | 91.92 | 8.06 | 11.00 |
| 11ac-VHT160 | MCS5 | 50 | 5250 | -2.39 | -1.34 | 91.41 | 1.56 | 11.00 |
| 11ac-VHT160 | MCS5 | 114 | 5570 | -5.20 | -5.09 | 91.41 | -1.74 | 11.00 |
| 11ax-HE20 | MCS3 | 36 | 5180 | 10.79 | 10.85 | 95.87 | 14.01 | 17.00 |
| 11ax-HE20 | MCS3 | 44 | 5220 | 12.99 | 13.16 | 95.87 | 16.27 | 17.00 |
| 11ax-HE20 | MCS3 | 48 | 5240 | 13.03 | 13.91 | 95.87 | 16.68 | 17.00 |
| 11ax-HE20 | MCS3 | 52 | 5260 | 6.64 | 7.91 | 95.87 | 10.52 | 11.00 |
| 11ax-HE20 | MCS3 | 60 | 5300 | 6.54 | 7.88 | 95.87 | 10.45 | 11.00 |
| 11ax-HE20 | MCS3 | 64 | 5320 | 6.49 | 7.75 | 95.87 | 10.36 | 11.00 |
| 11ax-HE20 | MCS3 | 100 | 5500 | 7.59 | 7.56 | 95.87 | 10.77 | 11.00 |
| 11ax-HE20 | MCS3 | 116 | 5580 | 7.43 | 7.13 | 95.87 | 10.48 | 11.00 |
| 11ax-HE20 | MCS3 | 140 | 5700 | 6.90 | 7.88 | 95.87 | 10.61 | 11.00 |
| 11ax-HE20 | MCS3 | 144 | 5720 | 6.83 | 7.71 | 95.87 | 10.48 | 11.00 |
| 11ax-HE40 | MCS3 | 38 | 5190 | 7.23 | 6.93 | 88.09 | 10.64 | 17.00 |
| 11ax-HE40 | MCS3 | 46 | 5230 | 10.50 | 11.26 | 88.09 | 14.46 | 17.00 |
| 11ax-HE40 | MCS3 | 54 | 5270 | 5.59 | 7.43 | 88.09 | 10.17 | 11.00 |
| 11ax-HE40 | MCS3 | 62 | 5310 | 3.15 | 4.46 | 88.09 | 7.42 | 11.00 |
| 11ax-HE40 | MCS3 | 102 | 5510 | 6.68 | 6.82 | 88.09 | 10.31 | 11.00 |
| 11ax-HE40 | MCS3 | 110 | 5550 | 6.82 | 6.34 | 88.09 | 10.15 | 11.00 |
| 11ax-HE40 | MCS3 | 134 | 5670 | 2.60 | 3.22 | 88.09 | 6.49 | 11.00 |
| 11ax-HE40 | MCS3 | 142 | 5710 | 6.42 | 7.29 | 88.09 | 10.44 | 11.00 |
| 11ax-HE80 | MCS3 | 42 | 5210 | 4.77 | 5.16 | 93.41 | 8.28 | 17.00 |
| 11ax-HE80 | MCS3 | 58 | 5290 | 2.31 | 3.33 | 93.41 | 6.15 | 11.00 |
| 11ax-HE80 | MCS3 | 106 | 5530 | 4.43 | 4.30 | 93.41 | 7.67 | 11.00 |
| 11ax-HE80 | MCS3 | 122 | 5610 | 4.80 | 4.35 | 93.41 | 7.89 | 11.00 |
| 11ax-HE80 | MCS3 | 138 | 5690 | 4.14 | 5.14 | 93.41 | 7.97 | 11.00 |
| 11ax-HE160 | MCS5 | 50 | 5250 | -2.79 | -1.64 | 92.43 | 1.18 | 11.00 |
| 11ax-HE160 | MCS5 | 114 | 5570 | -5.72 | -6.09 | 92.43 | -2.55 | 11.00 |

Note 1: When EUT duty cycle < 98%, the total PSD (dBm/MHz) = $10 \cdot \log \{ 10^{(\text{Ant 0 AVGPSD}/10)} + 10^{(\text{Ant 1 AVGPSD}/10)} + 10^{(\text{Ant 2 AVGPSD}/10)} + 10^{(\text{Ant 3 AVGPSD}/10)} \} + 10 \cdot \log (1/\text{Duty cycle})$.

When EUT duty cycle \geq 98%, the total PSD (dBm/MHz) = $10 \cdot \log \{ 10^{(\text{Ant 0 AVGPSD}/10)} + 10^{(\text{Ant 1 AVGPSD}/10)} + 10^{(\text{Ant 2$

$AVG_{PSD/10} + 10(Ant\ 3\ AVG_{PSD/10})$.

Note 2: For 802.11a-NII-1 band, PSD Limit (dBm/MHz) = $17 - (6.3 - 6) = 16.7$ dBm/MHz.

For 802.11a-NII-2a/-2c bands, PSD Limit (dBm/MHz) = $11 - (6.3 - 6) = 10.7$ dBm/MHz.

| | | | |
|-----------|--------------------------------------|---------------|-------------|
| Test Site | SIP-TR1 | Test Engineer | Nandy Zhang |
| Test Date | 2023-02-22~2023-02-23 | | |
| Test Item | Power Spectral Density (UNII-Band 3) | | |

| Test Mode | Data Rate/ MCS | Channel No. | Freq. (MHz) | AVPSD (dBm/ 510KHz) | | Duty Cycle (%) | Total PSD (dBm/ 510KHz) | PSD Limit (dBm/ 500KHz) |
|------------|-------------------|----------------|----------------|------------------------|-------|-------------------|-------------------------------|-------------------------------|
| | | | | Ant 0 | Ant 1 | | | |
| 11a | 18Mbps | 149 | 5745 | 7.74 | 7.87 | 97.12 | 10.94 | ≤ 29.70 |
| 11a | 18Mbps | 157 | 5785 | 10.79 | 11.42 | 97.12 | 14.25 | ≤ 29.70 |
| 11a | 18Mbps | 165 | 5825 | 6.19 | 6.68 | 97.12 | 9.58 | ≤ 29.70 |
| 11ac-VHT20 | MCS2 | 149 | 5745 | 7.13 | 7.41 | 96.64 | 10.43 | ≤ 30.00 |
| 11ac-VHT20 | MCS2 | 157 | 5785 | 10.64 | 10.62 | 96.64 | 13.79 | ≤ 30.00 |
| 11ac-VHT20 | MCS2 | 165 | 5825 | 6.02 | 6.86 | 96.64 | 9.62 | ≤ 30.00 |
| 11ac-VHT40 | MCS2 | 151 | 5755 | 2.92 | 3.38 | 94.93 | 6.40 | ≤ 30.00 |
| 11ac-VHT40 | MCS2 | 159 | 5795 | 6.63 | 6.33 | 94.93 | 9.72 | ≤ 30.00 |
| 11ac-VHT80 | MCS2 | 155 | 5775 | 0.99 | 1.18 | 91.92 | 4.46 | ≤ 30.00 |
| 11ax-HE20 | MCS3 | 149 | 5745 | 6.45 | 6.43 | 95.87 | 9.64 | ≤ 30.00 |
| 11ax-HE20 | MCS3 | 157 | 5785 | 10.47 | 10.11 | 95.87 | 13.49 | ≤ 30.00 |
| 11ax-HE20 | MCS3 | 165 | 5825 | 4.60 | 5.31 | 95.87 | 8.16 | ≤ 30.00 |
| 11ax-HE40 | MCS3 | 151 | 5755 | 2.33 | 2.45 | 88.09 | 5.95 | ≤ 30.00 |
| 11ax-HE40 | MCS3 | 159 | 5795 | 6.07 | 6.19 | 88.09 | 9.69 | ≤ 30.00 |
| 11ax-HE80 | MCS3 | 155 | 5775 | 0.91 | 0.48 | 93.41 | 4.01 | ≤ 30.00 |

Note 1:

When EUT duty cycle < 98%, the total PSD (dBm/510kHz) = $10 \cdot \log \{ 10^{(\text{Ant } 0 \text{ AVGPSD}/10)} + 10^{(\text{Ant } 1 \text{ AVGPSD}/10)} \} + 10 \cdot \log (1/\text{Duty cycle})$.

When EUT duty cycle ≥ 98%, the total PSD (dBm/510kHz) = $10 \cdot \log \{ 10^{(\text{Ant } 0 \text{ AVGPSD}/10)} + 10^{(\text{Ant } 1 \text{ AVGPSD}/10)} \}$.

Note 2: For 802.11a-NII-3 band, PSD Limit (dBm/500kHz) = 30 - (6.3 - 6) = 29.7dBm/500kHz

802.11a Power Spectral Density- Ant 0

Channel 36 (5180MHz)



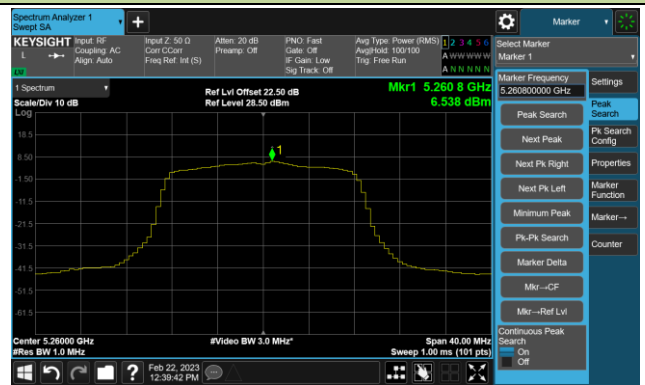
Channel 44 (5220MHz)



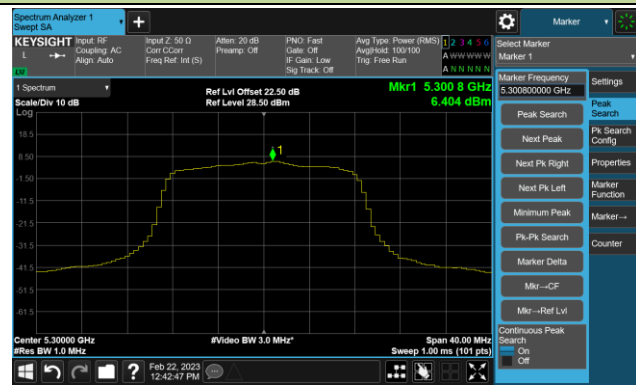
Channel 48 (5240MHz)



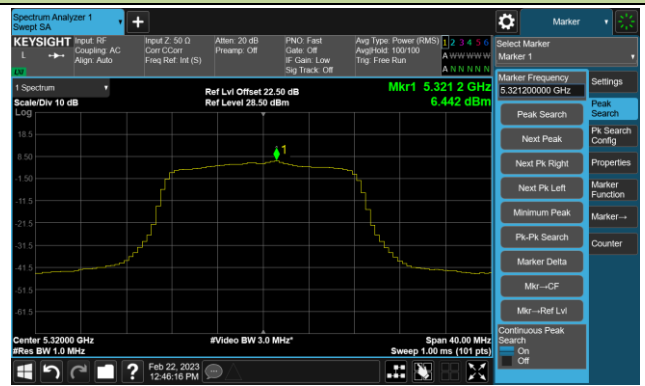
Channel 52 (5260MHz)



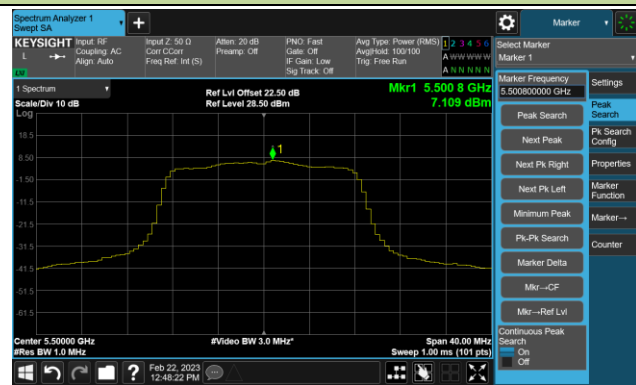
Channel 60 (5300MHz)



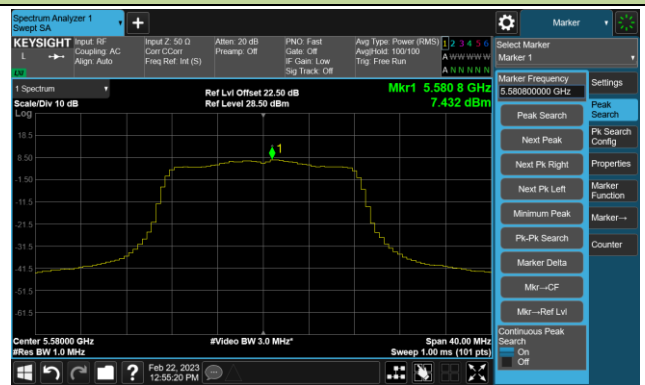
Channel 64 (5320MHz)



Channel 100 (5500MHz)



Channel 116 (5580MHz)

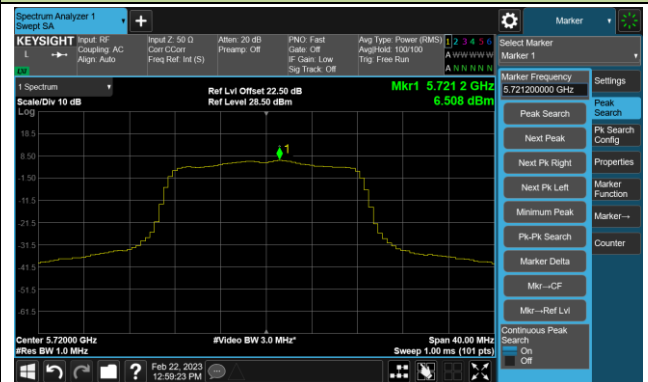


802.11a Power Spectral Density- Ant 0

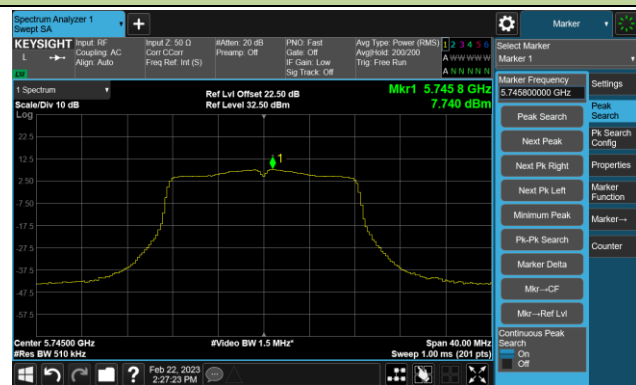
Channel 140 (5700MHz)



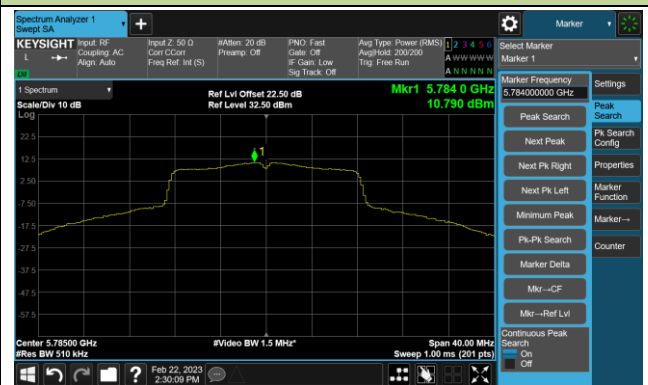
Channel 144(5720MHz)



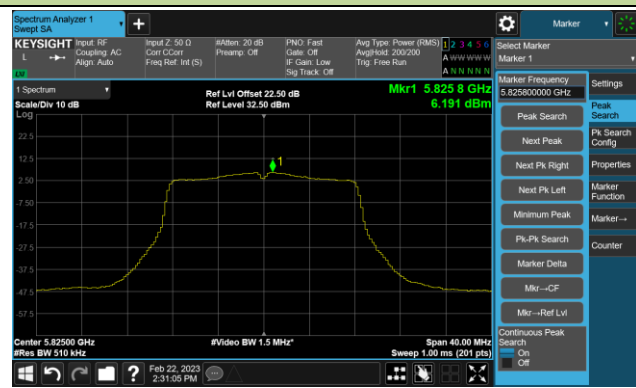
Channel 149 (5745MHz)



Channel 157 (5785MHz)

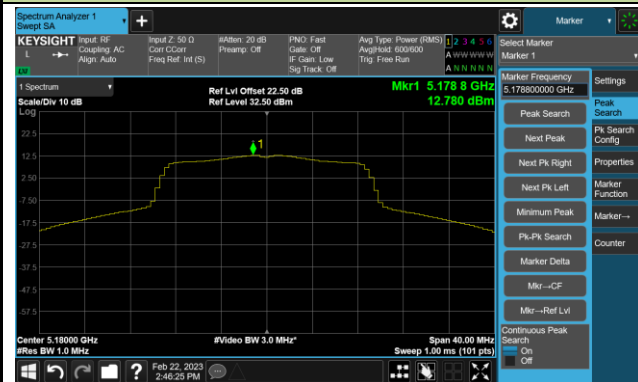


Channel 165 (5825MHz)



802.11ac-VHT20 Power Spectral Density- Ant 0

Channel 36 (5180MHz)



Channel 44 (5220MHz)



Channel 48 (5240MHz)



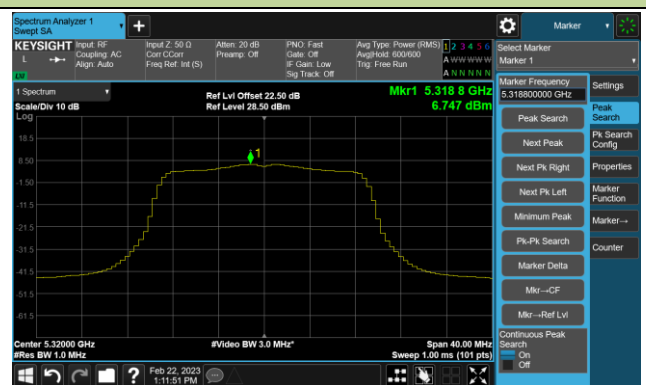
Channel 52 (5260MHz)



Channel 60 (5300MHz)



Channel 64 (5320MHz)



Channel 100 (5500MHz)

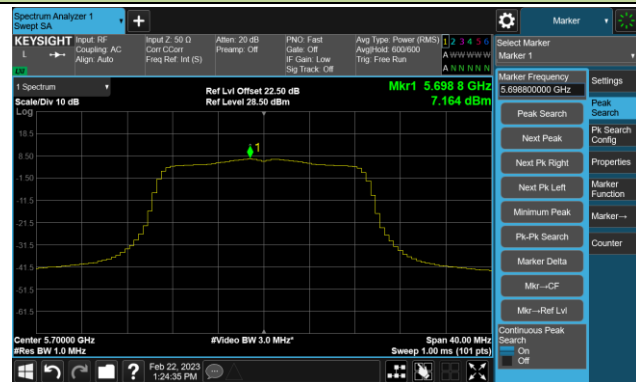


Channel 116 (5580MHz)

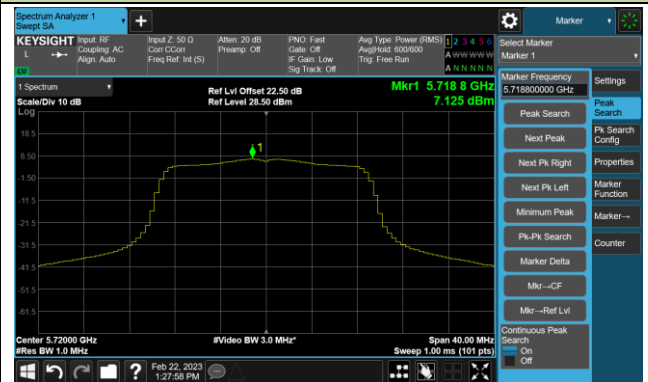


802.11ac-VHT20 Power Spectral Density- Ant 0

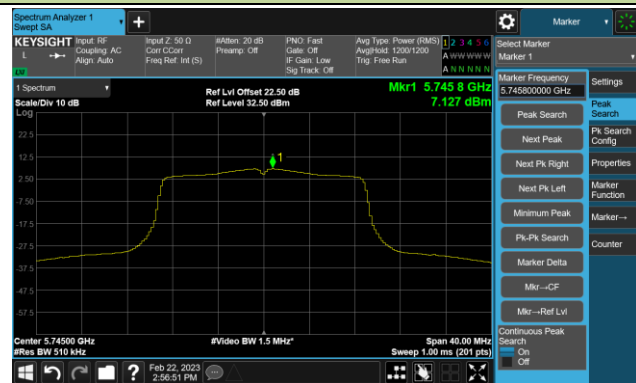
Channel 140 (5700MHz)



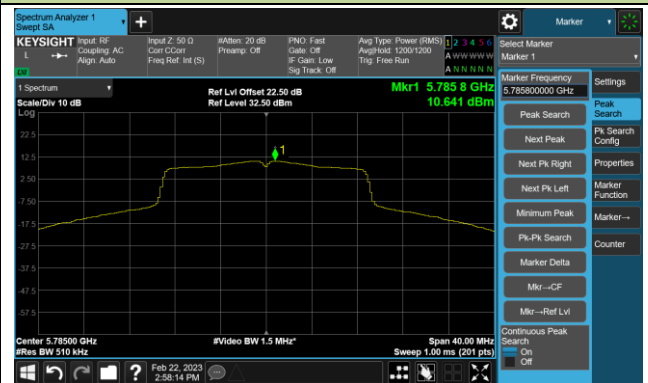
Channel 144(5720MHz)



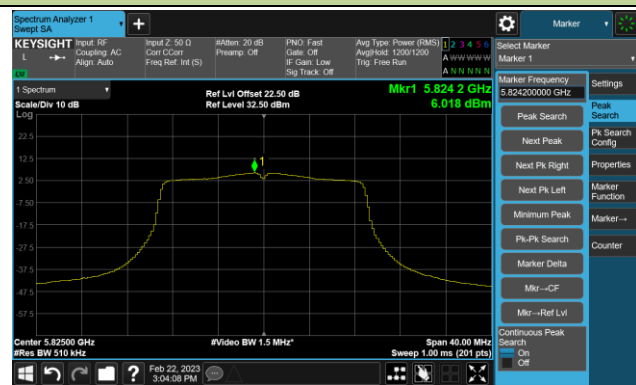
Channel 149 (5745MHz)



Channel 157 (5785MHz)

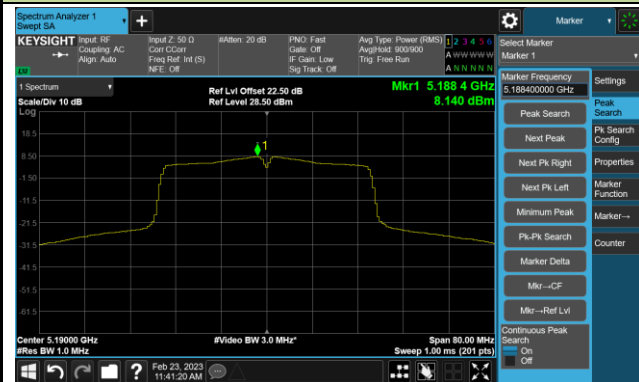


Channel 165 (5825MHz)

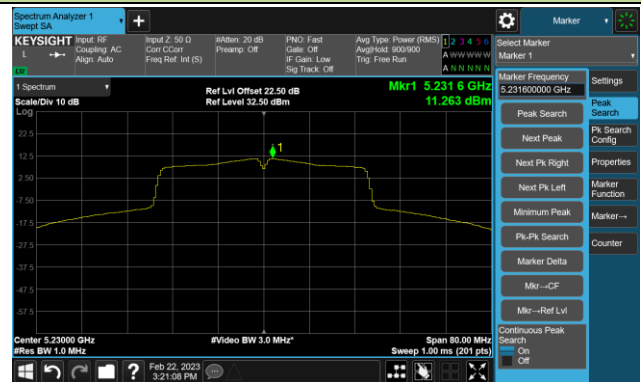


802.11ac-VHT40 Power Spectral Density- Ant 0

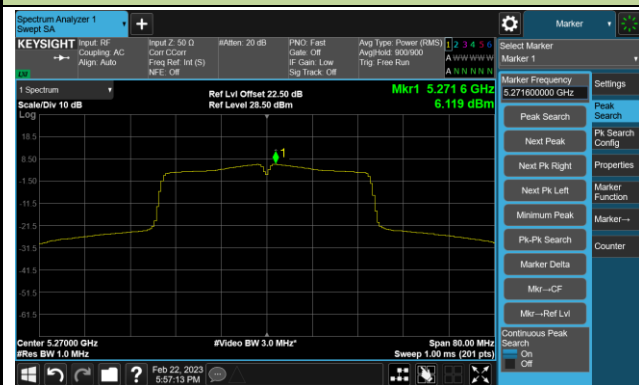
Channel 38 (5190MHz)



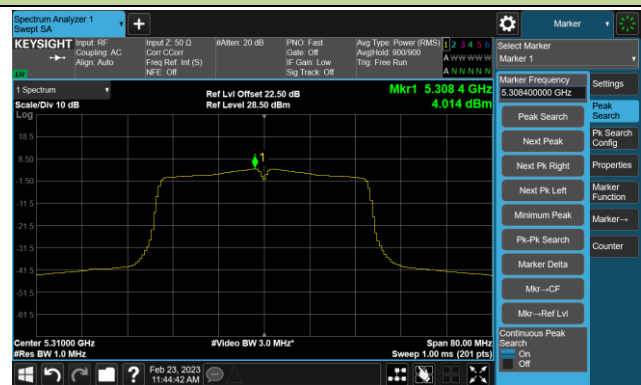
Channel 46 (5230MHz)



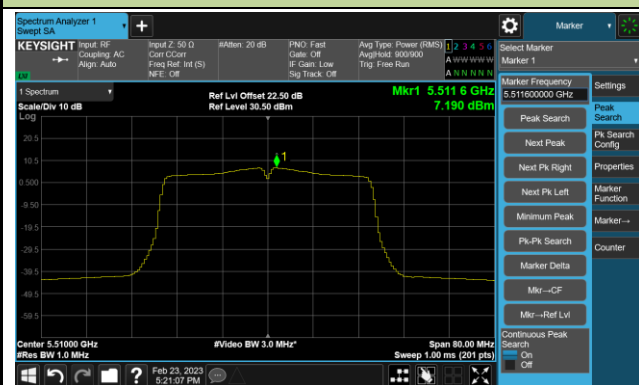
Channel 54 (5270MHz)



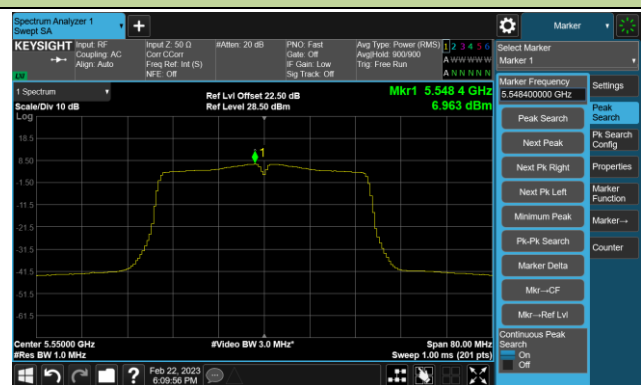
Channel 62 (5310MHz)



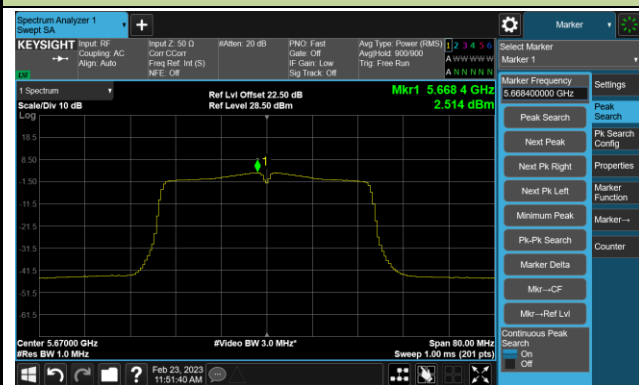
Channel 102 (5510MHz)



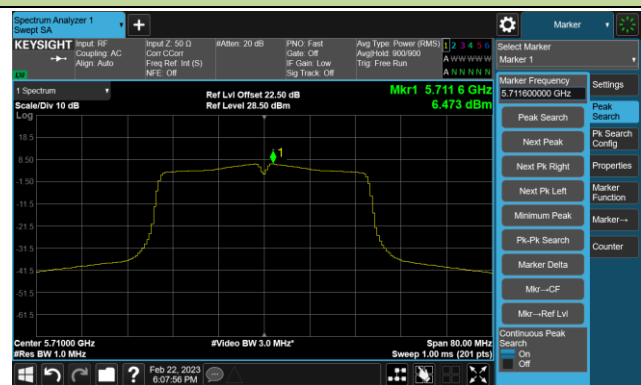
Channel 110 (5550MHz)



Channel 134 (5670MHz)

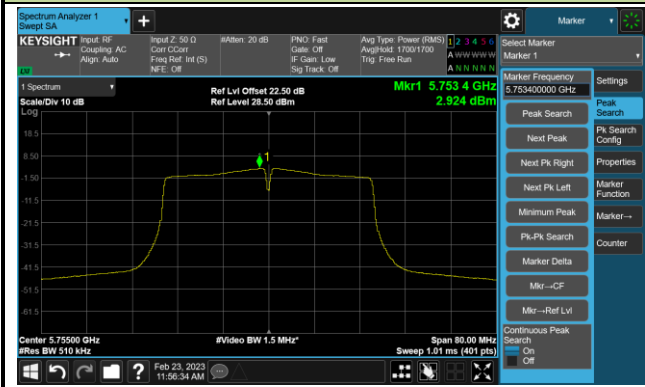


Channel 142(5710MHz)

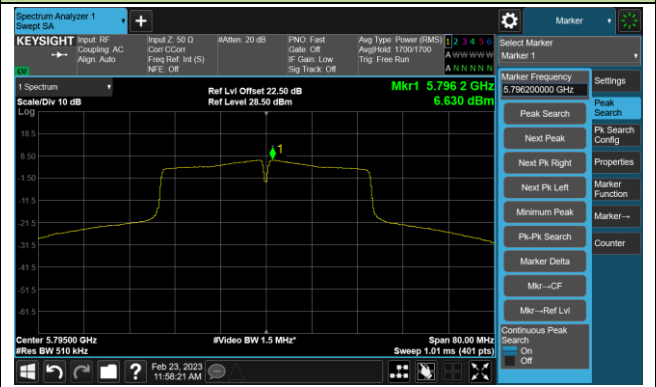


802.11ac-VHT40 Power Spectral Density- Ant 0

Channel 151 (5755MHz)

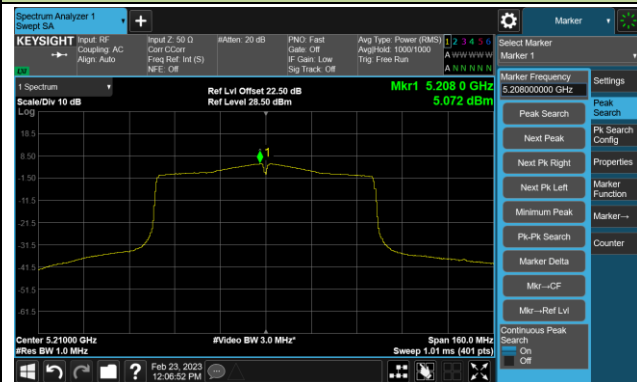


Channel 159 (5795MHz)

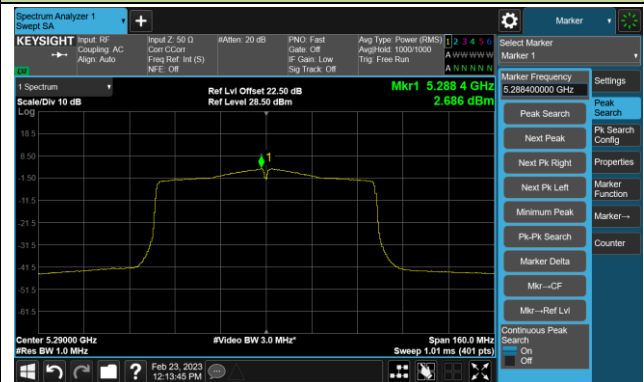


802.11ac-VHT80 Power Spectral Density- Ant 0

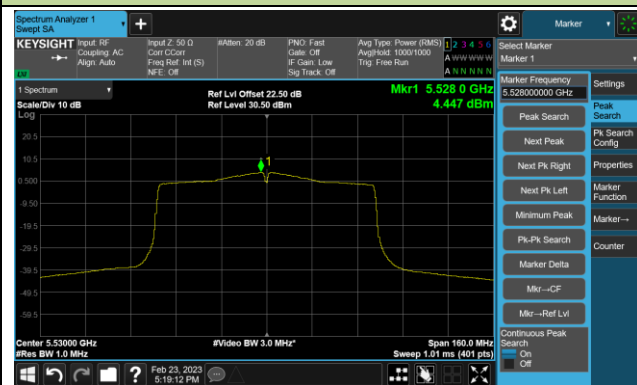
Channel 42 (5210MHz)



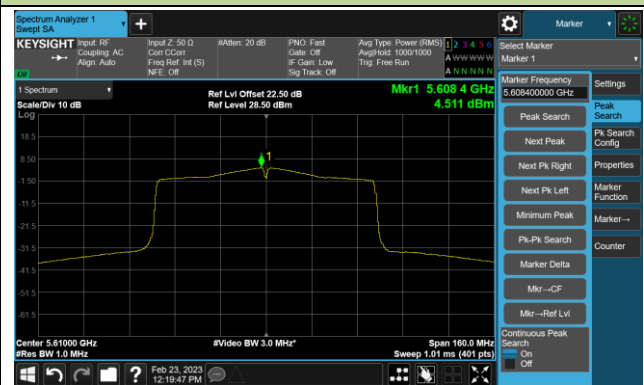
Channel 58 (5290MHz)



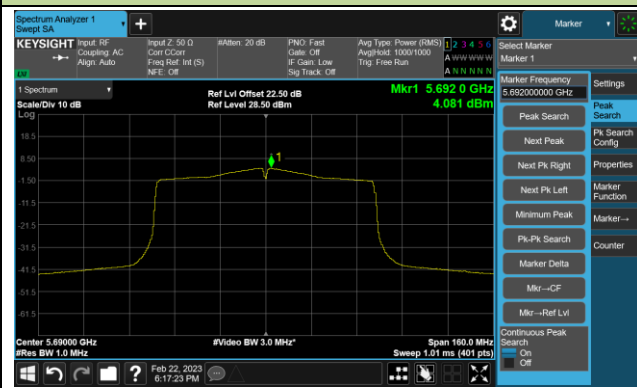
Channel 106 (5530MHz)



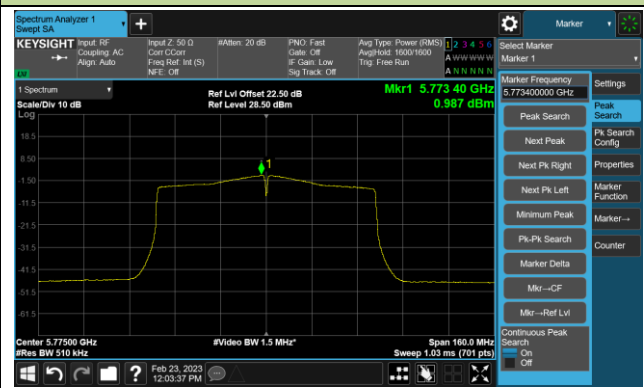
Channel 122 (5610MHz)



Channel 138 (5690MHz)

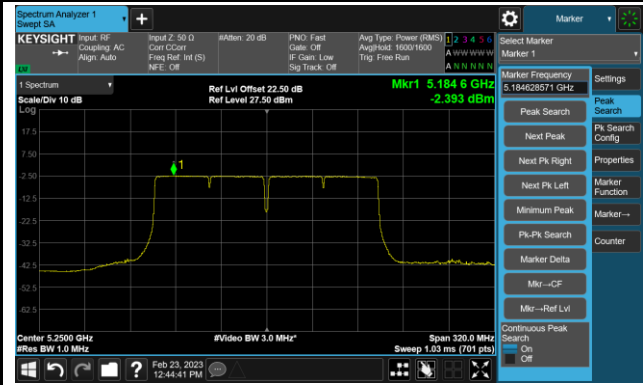


Channel 155 (5775MHz)

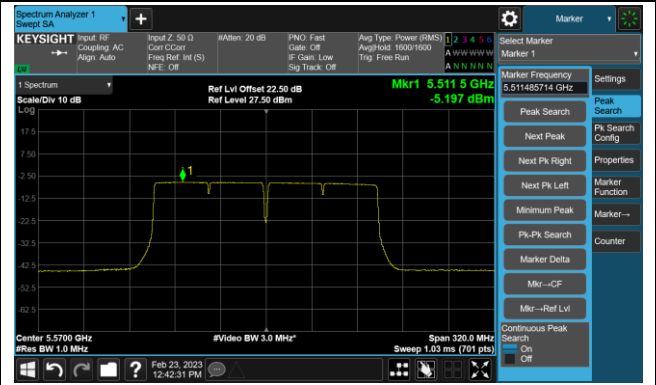


802.11ac-VHT160 Power Spectral Density- Ant 0

Channel 50 (5250MHz)

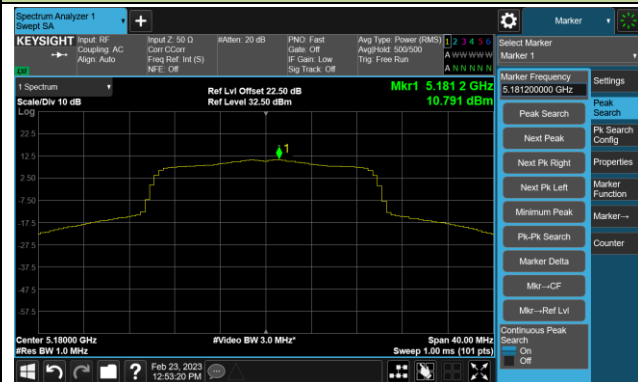


Channel 114 (5570MHz)



802.11ax-HE20 Power Spectral Density- Ant 0

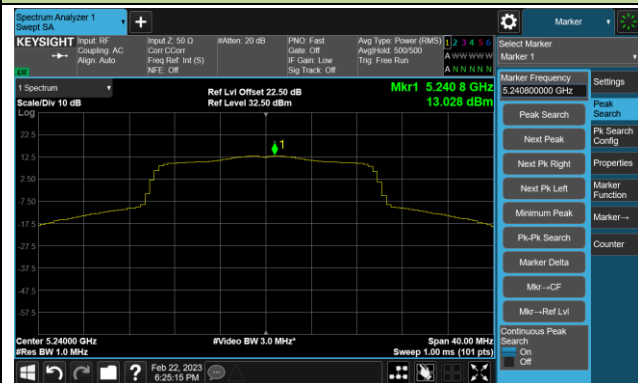
Channel 36 (5180MHz)



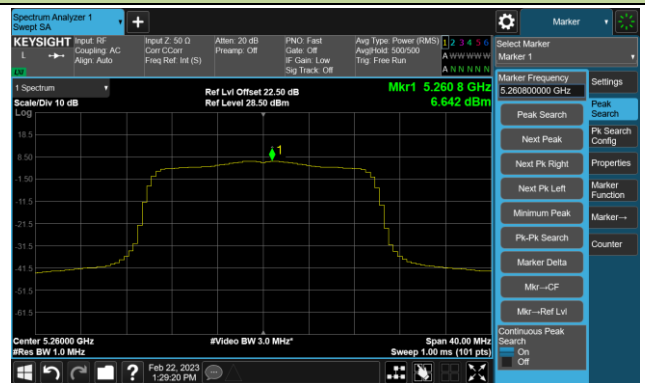
Channel 44 (5220MHz)



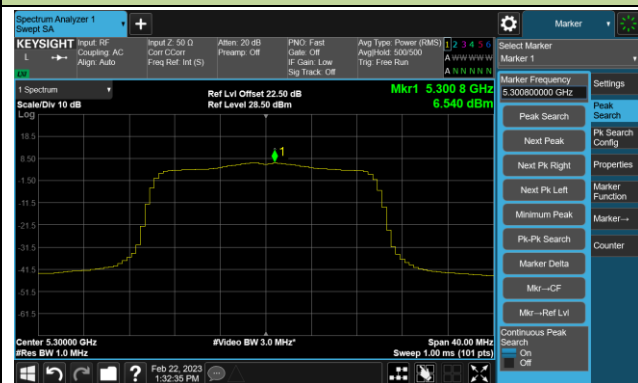
Channel 48 (5240MHz)



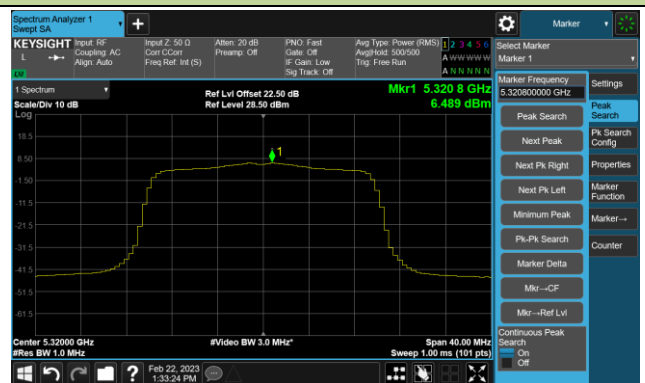
Channel 52 (5260MHz)



Channel 60 (5300MHz)



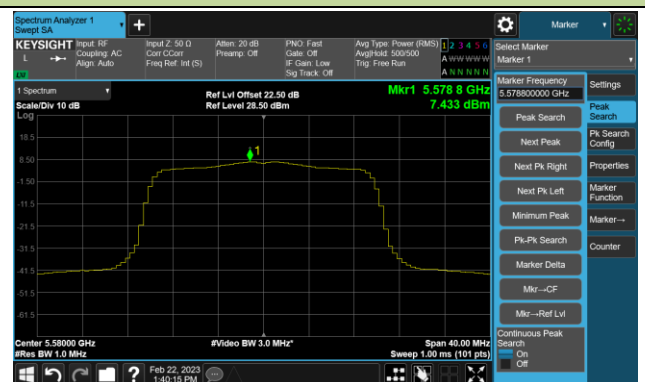
Channel 64 (5320MHz)



Channel 100 (5500MHz)

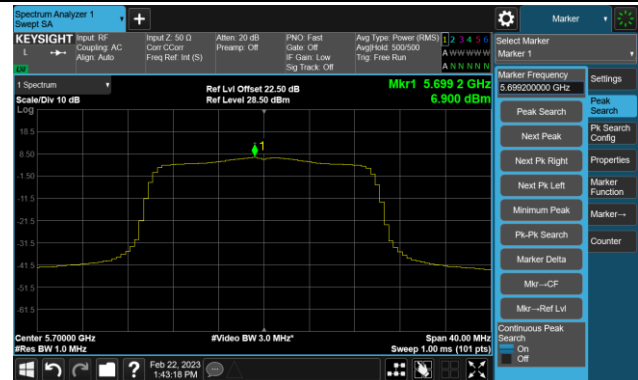


Channel 116 (5580MHz)

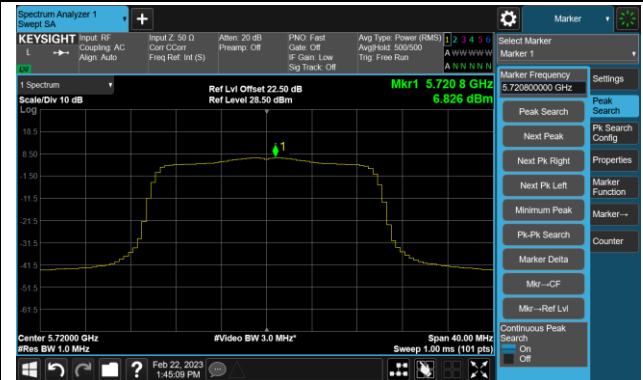


802.11ax-HE20 Power Spectral Density- Ant 0

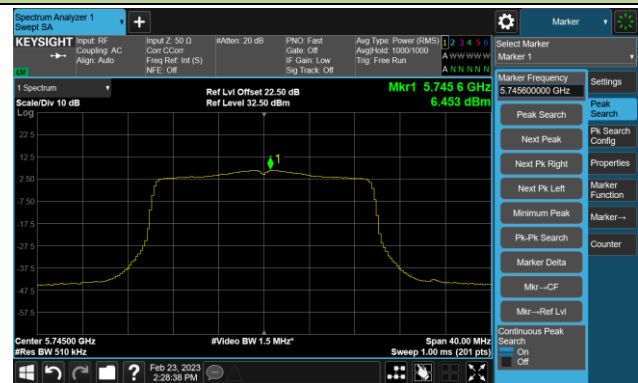
Channel 140 (5700MHz)



Channel 144(5720MHz)



Channel 149 (5745MHz)



Channel 157 (5785MHz)



Channel 165 (5825MHz)

