

**Band 2 (5260-5320 MHz) SISO:**

| Antenna | Modulation      | Frequency (MHz) | Conducted Power(dBm) | Duty factor(dB) | Total Power(dBm) | limit(dBm) | Result |
|---------|-----------------|-----------------|----------------------|-----------------|------------------|------------|--------|
| ANT1    | 802.11a         | 5260.00         | 12.90                | 0.12            | 13.02            | 24         | Pass   |
| ANT1    | 802.11a         | 5300.00         | 12.07                | 0.12            | 12.19            | 24         | Pass   |
| ANT1    | 802.11a         | 5320.00         | 12.02                | 0.12            | 12.14            | 24         | Pass   |
| ANT1    | 802.11n(HT20)   | 5260.00         | 12.23                | 0.13            | 12.36            | 24         | Pass   |
| ANT1    | 802.11n(HT20)   | 5300.00         | 13.29                | 0.13            | 13.42            | 24         | Pass   |
| ANT1    | 802.11n(HT20)   | 5320.00         | 13.30                | 0.00            | 13.30            | 24         | Pass   |
| ANT1    | 802.11ac(VHT20) | 5260.00         | 12.43                | 0.13            | 12.56            | 24         | Pass   |
| ANT1    | 802.11ac(VHT20) | 5300.00         | 14.01                | 0.13            | 14.14            | 24         | Pass   |
| ANT1    | 802.11ac(VHT20) | 5320.00         | 13.66                | 0.13            | 13.79            | 24         | Pass   |
| ANT1    | 802.11n(HT40)   | 5270.00         | 13.84                | 0.13            | 13.97            | 24         | Pass   |
| ANT1    | 802.11n(HT40)   | 5310.00         | 12.42                | 0.00            | 12.42            | 24         | Pass   |
| ANT1    | 802.11ac(VHT40) | 5270.00         | 13.82                | 0.26            | 14.08            | 24         | Pass   |
| ANT1    | 802.11ac(VHT40) | 5310.00         | 13.53                | 0.26            | 13.79            | 24         | Pass   |
| ANT1    | 802.11ac(VHT80) | 5290.00         | 13.35                | 0.51            | 13.86            | 24         | Pass   |
| ANT1    | 802.11ax(HE20)  | 5260.00         | 13.70                | 0.00            | 13.70            | 24         | Pass   |
| ANT1    | 802.11ax(HE20)  | 5300.00         | 13.98                | 0.13            | 14.11            | 24         | Pass   |
| ANT1    | 802.11ax(HE20)  | 5320.00         | 13.80                | 0.13            | 13.93            | 24         | Pass   |
| ANT1    | 802.11ax(HE40)  | 5270.00         | 13.80                | 0.13            | 13.93            | 24         | Pass   |
| ANT1    | 802.11ax(HE40)  | 5310.00         | 13.46                | 0.26            | 13.72            | 24         | Pass   |
| ANT1    | 802.11ax(HE80)  | 5290.00         | 13.31                | 0.51            | 13.82            | 24         | Pass   |

| Antenna | Modulation      | Frequency (MHz) | Conducted Power(dBm) | Duty factor(dB) | Total Power(dBm) | limit(dBm) | Result |
|---------|-----------------|-----------------|----------------------|-----------------|------------------|------------|--------|
| ANT2    | 802.11a         | 5260.00         | 13.31                | 0.12            | 13.43            | 24         | Pass   |
| ANT2    | 802.11a         | 5300.00         | 13.25                | 0.12            | 13.37            | 24         | Pass   |
| ANT2    | 802.11a         | 5320.00         | 13.24                | 0.12            | 13.36            | 24         | Pass   |
| ANT2    | 802.11n(HT20)   | 5260.00         | 12.68                | 0.13            | 12.81            | 24         | Pass   |
| ANT2    | 802.11n(HT20)   | 5300.00         | 12.52                | 0.00            | 12.52            | 24         | Pass   |
| ANT2    | 802.11n(HT20)   | 5320.00         | 12.59                | 0.13            | 12.72            | 24         | Pass   |
| ANT2    | 802.11ac(VHT20) | 5260.00         | 12.67                | 0.13            | 12.80            | 24         | Pass   |
| ANT2    | 802.11ac(VHT20) | 5300.00         | 12.56                | 0.00            | 12.56            | 24         | Pass   |
| ANT2    | 802.11n(HT40)   | 5270.00         | 12.62                | 0.26            | 12.88            | 24         | Pass   |
| ANT2    | 802.11n(HT40)   | 5310.00         | 12.61                | 0.26            | 12.87            | 24         | Pass   |
| ANT2    | 802.11ac(VHT40) | 5270.00         | 13.13                | 0.00            | 13.13            | 24         | Pass   |
| ANT2    | 802.11ac(VHT40) | 5310.00         | 12.51                | 0.13            | 12.64            | 24         | Pass   |
| ANT2    | 802.11ac(VHT80) | 5290.00         | 12.41                | 0.51            | 12.92            | 24         | Pass   |
| ANT2    | 802.11ax(HE20)  | 5260.00         | 12.69                | 0.13            | 12.82            | 24         | Pass   |
| ANT2    | 802.11ax(HE20)  | 5300.00         | 12.65                | 0.13            | 12.78            | 24         | Pass   |
| ANT2    | 802.11ax(HE20)  | 5320.00         | 12.61                | 0.13            | 12.74            | 24         | Pass   |
| ANT2    | 802.11ax(HE40)  | 5270.00         | 12.63                | 0.26            | 12.89            | 24         | Pass   |
| ANT2    | 802.11ax(HE40)  | 5310.00         | 12.58                | 0.26            | 12.84            | 24         | Pass   |
| ANT2    | 802.11ax(HE80)  | 5290.00         | 12.48                | 0.51            | 12.99            | 24         | Pass   |

| Condition | Modulation      | Frequency(MHz) | Duty cycle(%) | Duty_factor |
|-----------|-----------------|----------------|---------------|-------------|
| NVNT      | 802.11a         | 5260.00        | 97.22         | 0.12        |
| NVNT      | 802.11a         | 5300.00        | 97.18         | 0.12        |
| NVNT      | 802.11a         | 5320.00        | 98.60         | 0.00        |
| NVNT      | 802.11n(HT20)   | 5260.00        | 97.01         | 0.13        |
| NVNT      | 802.11n(HT20)   | 5300.00        | 97.01         | 0.13        |
| NVNT      | 802.11n(HT20)   | 5320.00        | 98.50         | 0.00        |
| NVNT      | 802.11ac(VHT20) | 5260.00        | 97.06         | 0.13        |
| NVNT      | 802.11ac(VHT20) | 5300.00        | 97.01         | 0.13        |
| NVNT      | 802.11ac(VHT20) | 5320.00        | 97.06         | 0.13        |
| NVNT      | 802.11n(HT40)   | 5270.00        | 97.10         | 0.13        |
| NVNT      | 802.11n(HT40)   | 5310.00        | 98.06         | 0.00        |
| NVNT      | 802.11ac(VHT40) | 5270.00        | 94.12         | 0.26        |
| NVNT      | 802.11ac(VHT40) | 5310.00        | 94.12         | 0.26        |
| NVNT      | 802.11ac(VHT80) | 5290.00        | 88.89         | 0.51        |
| NVNT      | 802.11ax(HE20)  | 5260.00        | 98.52         | 0.00        |
| NVNT      | 802.11ax(HE20)  | 5300.00        | 97.01         | 0.13        |
| NVNT      | 802.11ax(HE20)  | 5320.00        | 97.01         | 0.13        |
| NVNT      | 802.11ax(HE40)  | 5270.00        | 97.10         | 0.13        |
| NVNT      | 802.11ax(HE40)  | 5310.00        | 94.12         | 0.26        |
| NVNT      | 802.11ax(HE80)  | 5290.00        | 88.89         | 0.51        |

**MIMO:**

| Antenna | Modulation      | Frequency (MHz) | ANT1 Power(dBm) | ANT2 Power(dBm) | Total Power(dBm) | Limit (dBm) | Result |
|---------|-----------------|-----------------|-----------------|-----------------|------------------|-------------|--------|
| ANT1+2  | 802.11n(HT20)   | 5260.00         | 12.36           | 12.81           | 15.60            | 24          | Pass   |
| ANT1+2  | 802.11n(HT20)   | 5300.00         | 13.42           | 12.52           | 16.00            | 24          | Pass   |
| ANT1+2  | 802.11n(HT20)   | 5320.00         | 13.30           | 12.72           | 16.03            | 24          | Pass   |
| ANT1+2  | 802.11ac(VHT20) | 5260.00         | 12.56           | 12.80           | 15.69            | 24          | Pass   |
| ANT1+2  | 802.11ac(VHT20) | 5300.00         | 14.14           | 12.56           | 16.43            | 24          | Pass   |
| ANT1+2  | 802.11ac(VHT20) | 5270.00         | 13.79           | 12.88           | 16.37            | 24          | Pass   |
| ANT1+2  | 802.11n(HT40)   | 5310.00         | 13.97           | 12.87           | 16.47            | 24          | Pass   |
| ANT1+2  | 802.11n(HT40)   | 5270.00         | 12.42           | 13.13           | 15.80            | 24          | Pass   |
| ANT1+2  | 802.11ac(VHT40) | 5310.00         | 14.08           | 12.64           | 16.43            | 24          | Pass   |
| ANT1+2  | 802.11ac(VHT40) | 5290.00         | 13.79           | 12.92           | 16.39            | 24          | Pass   |
| ANT1+2  | 802.11ac(VHT80) | 5260.00         | 13.86           | 12.82           | 16.38            | 24          | Pass   |
| ANT1+2  | 802.11ax(HE20)  | 5300.00         | 13.70           | 12.78           | 16.27            | 24          | Pass   |
| ANT1+2  | 802.11ax(HE20)  | 5320.00         | 14.11           | 12.74           | <b>16.49</b>     | 24          | Pass   |
| ANT1+2  | 802.11ax(HE20)  | 5270.00         | 13.93           | 12.89           | 16.45            | 24          | Pass   |
| ANT1+2  | 802.11ax(HE40)  | 5310.00         | 13.93           | 12.84           | 16.43            | 24          | Pass   |
| ANT1+2  | 802.11ax(HE40)  | 5290.00         | 13.72           | 12.99           | 16.38            | 24          | Pass   |
| ANT1+2  | 802.11ax(HE80)  | 5260.00         | 13.82           | 12.81           | 16.35            | 24          | Pass   |



**Band 3 (5500-5570 MHz) SISO:**

| Antenna | Modulation      | Frequency(MHz) | Conducted Power(dBm) | Duty factor(dB) | Total Power(dBm) | limit(dBm) | Result |
|---------|-----------------|----------------|----------------------|-----------------|------------------|------------|--------|
| ANT1    | 802.11a         | 5500           | 12.66                | 0.12            | 12.78            | 24         | Pass   |
| ANT1    | 802.11a         | 5600           | 11.65                | 0.00            | 11.65            | 24         | Pass   |
| ANT1    | 802.11a         | 5700.00        | 12.91                | 0.12            | 13.03            | 24         | Pass   |
| ANT1    | 802.11n(HT20)   | 5500           | 12.58                | 0.13            | 12.71            | 24         | Pass   |
| ANT1    | 802.11n(HT20)   | 5600           | 11.68                | 0.13            | 11.81            | 24         | Pass   |
| ANT1    | 802.11n(HT20)   | 5700.00        | 12.66                | 0.13            | 12.79            | 24         | Pass   |
| ANT1    | 802.11ac(VHT20) | 5500           | 12.50                | 0.13            | 12.63            | 24         | Pass   |
| ANT1    | 802.11ac(VHT20) | 5600           | 11.41                | 0.00            | 11.41            | 24         | Pass   |
| ANT1    | 802.11ac(VHT20) | 5700.00        | 12.16                | 0.13            | 12.29            | 24         | Pass   |
| ANT1    | 802.11n(HT40)   | 5510           | 12.26                | 0.26            | 12.52            | 24         | Pass   |
| ANT1    | 802.11n(HT40)   | 5590           | 11.02                | 0.26            | 11.28            | 24         | Pass   |
| ANT1    | 802.11n(HT40)   | 5670           | 12.31                | 0.26            | 12.57            | 24         | Pass   |
| ANT1    | 802.11ac(VHT40) | 5510           | 12.11                | 0.26            | 12.37            | 24         | Pass   |
| ANT1    | 802.11ac(VHT40) | 5590           | 11.12                | 0.26            | 11.38            | 24         | Pass   |
| ANT1    | 802.11ac(VHT40) | 5670           | 12.73                | 0.26            | 12.99            | 24         | Pass   |
| ANT1    | 802.11ac(VHT80) | 5530           | 13.28                | 0.51            | 13.79            | 24         | Pass   |
| ANT1    | 802.11ac(VHT80) | 5610           | 12.99                | 0.51            | 13.50            | 24         | Pass   |
| ANT1    | 802.11ax(HE20)  | 5500.00        | 12.55                | 0.13            | 12.68            | 24         | Pass   |
| ANT1    | 802.11ax(HE20)  | 5600.00        | 12.53                | 0.00            | 12.53            | 24         | Pass   |
| ANT1    | 802.11ax(HE20)  | 5700.00        | 12.70                | 0.13            | 12.83            | 24         | Pass   |
| ANT1    | 802.11ax(HE40)  | 5510.00        | 13.70                | 0.26            | 13.96            | 24         | Pass   |
| ANT1    | 802.11ax(HE40)  | 5590.00        | 12.75                | 0.26            | 13.01            | 24         | Pass   |
| ANT1    | 802.11ax(HE40)  | 5670.00        | 12.25                | 0.13            | 12.38            | 24         | Pass   |
| ANT1    | 802.11ax(HE80)  | 5530.00        | 12.20                | 0.51            | 12.71            | 24         | Pass   |
| ANT1    | 802.11ax(HE80)  | 5610.00        | 12.03                | 0.51            | 12.54            | 24         | Pass   |

| Antenna | Modulation      | Frequency(MHz) | Conducted Power(dBm) | Duty factor(dB) | Total Power(dBm) | limit(dBm) | Result |
|---------|-----------------|----------------|----------------------|-----------------|------------------|------------|--------|
| ANT2    | 802.11a         | 5500           | 12.43                | 0.12            | 12.55            | 24         | Pass   |
| ANT2    | 802.11a         | 5600           | 11.63                | 0.00            | 11.63            | 24         | Pass   |
| ANT2    | 802.11a         | 5700.00        | 12.71                | 0.12            | 12.83            | 24         | Pass   |
| ANT2    | 802.11n(HT20)   | 5500           | 11.88                | 0.13            | 12.01            | 24         | Pass   |
| ANT2    | 802.11n(HT20)   | 5600           | 12.95                | 0.13            | 13.08            | 24         | Pass   |
| ANT2    | 802.11n(HT20)   | 5700.00        | 13.27                | 0.13            | 13.40            | 24         | Pass   |
| ANT2    | 802.11ac(VHT20) | 5500           | 13.35                | 0.13            | 13.48            | 24         | Pass   |
| ANT2    | 802.11ac(VHT20) | 5600           | 11.90                | 0.13            | 12.03            | 24         | Pass   |
| ANT2    | 802.11ac(VHT20) | 5700.00        | 13.26                | 0.00            | 13.26            | 24         | Pass   |
| ANT2    | 802.11n(HT40)   | 5510           | 12.67                | 0.26            | 12.93            | 24         | Pass   |
| ANT2    | 802.11n(HT40)   | 5590           | 11.74                | 0.26            | 12.00            | 24         | Pass   |
| ANT2    | 802.11n(HT40)   | 5670           | 13.58                | 0.26            | 13.84            | 24         | Pass   |
| ANT2    | 802.11ac(VHT40) | 5510           | 12.98                | 0.26            | 13.24            | 24         | Pass   |
| ANT2    | 802.11ac(VHT40) | 5590           | 11.71                | 0.13            | 11.84            | 24         | Pass   |
| ANT2    | 802.11ac(VHT40) | 5670           | 13.55                | 0.26            | 13.81            | 24         | Pass   |
| ANT2    | 802.11ac(VHT80) | 5530           | 11.98                | 0.51            | 12.49            | 24         | Pass   |
| ANT2    | 802.11ac(VHT80) | 5610           | 11.88                | 0.51            | 12.39            | 24         | Pass   |
| ANT2    | 802.11ax(HE20)  | 5500.00        | 12.03                | 0.13            | 12.16            | 24         | Pass   |
| ANT2    | 802.11ax(HE20)  | 5600.00        | 12.04                | 0.00            | 12.04            | 24         | Pass   |
| ANT2    | 802.11ax(HE20)  | 5700.00        | 12.15                | 0.13            | 12.28            | 24         | Pass   |
| ANT2    | 802.11ax(HE40)  | 5510.00        | 12.69                | 0.26            | 12.95            | 24         | Pass   |
| ANT2    | 802.11ax(HE40)  | 5590.00        | 11.78                | 0.26            | 12.04            | 24         | Pass   |
| ANT2    | 802.11ax(HE40)  | 5670.00        | 13.52                | 0.26            | 13.78            | 24         | Pass   |
| ANT2    | 802.11ax(HE80)  | 5530.00        | 12.05                | 0.51            | 12.56            | 24         | Pass   |
| ANT2    | 802.11ax(HE80)  | 5610.00        | 11.97                | 0.51            | 12.48            | 24         | Pass   |

| Condition | Modulation      | Frequency (MHz) | Duty cycle(%) | Duty_factor |
|-----------|-----------------|-----------------|---------------|-------------|
| NVNT      | 802.11a         | 5500            | 97.18         | 0.12        |
| NVNT      | 802.11a         | 5600            | 98.60         | 0.00        |
| NVNT      | 802.11a         | 5700.00         | 97.22         | 0.12        |
| NVNT      | 802.11n(HT20)   | 5500            | 97.01         | 0.13        |
| NVNT      | 802.11n(HT20)   | 5600            | 97.01         | 0.13        |
| NVNT      | 802.11n(HT20)   | 5700.00         | 97.01         | 0.13        |
| NVNT      | 802.11ac(VHT20) | 5500            | 97.01         | 0.13        |
| NVNT      | 802.11ac(VHT20) | 5600            | 98.52         | 0.00        |
| NVNT      | 802.11ac(VHT20) | 5700.00         | 97.01         | 0.13        |
| NVNT      | 802.11n(HT40)   | 5510            | 94.12         | 0.26        |
| NVNT      | 802.11n(HT40)   | 5590            | 94.12         | 0.26        |
| NVNT      | 802.11n(HT40)   | 5670            | 94.12         | 0.26        |
| NVNT      | 802.11ac(VHT40) | 5510            | 94.29         | 0.26        |
| NVNT      | 802.11ac(VHT40) | 5590            | 94.12         | 0.26        |
| NVNT      | 802.11ac(VHT40) | 5670            | 94.12         | 0.26        |
| NVNT      | 802.11ac(VHT80) | 5530            | 88.89         | 0.51        |
| NVNT      | 802.11ac(VHT80) | 5610            | 88.89         | 0.51        |
| NVNT      | 802.11ax(HE20)  | 5500.00         | 97.01         | 0.13        |
| NVNT      | 802.11ax(HE20)  | 5600.00         | 98.52         | 0.00        |
| NVNT      | 802.11ax(HE20)  | 5700.00         | 97.06         | 0.13        |
| NVNT      | 802.11ax(HE40)  | 5510.00         | 94.12         | 0.26        |
| NVNT      | 802.11ax(HE40)  | 5590.00         | 94.12         | 0.26        |
| NVNT      | 802.11ax(HE40)  | 5670.00         | 97.10         | 0.13        |
| NVNT      | 802.11ax(HE80)  | 5530.00         | 88.89         | 0.51        |
| NVNT      | 802.11ax(HE80)  | 5610.00         | 88.89         | 0.51        |

**MIMO:**

| Antenna | Modulation      | Frequency (MHz) | ANT1 Power(dBm) | ANT2 Power(dBm) | Total Power(dBm) | Limit (dBm) | Result |
|---------|-----------------|-----------------|-----------------|-----------------|------------------|-------------|--------|
| ANT1+2  | 802.11n(HT20)   | 5500            | 12.71           | 12.01           | 15.38            | 24          | Pass   |
| ANT1+2  | 802.11n(HT20)   | 5600            | 11.81           | 13.08           | 15.50            | 24          | Pass   |
| ANT1+2  | 802.11n(HT20)   | 5700.00         | 12.79           | 13.40           | 16.12            | 24          | Pass   |
| ANT1+2  | 802.11ac(VHT20) | 5500            | 12.63           | 13.48           | 16.09            | 24          | Pass   |
| ANT1+2  | 802.11ac(VHT20) | 5600            | 11.41           | 12.03           | 14.74            | 24          | Pass   |
| ANT1+2  | 802.11ac(VHT20) | 5700.00         | 12.29           | 13.26           | 15.81            | 24          | Pass   |
| ANT1+2  | 802.11n(HT40)   | 5510            | 12.52           | 12.93           | 15.74            | 24          | Pass   |
| ANT1+2  | 802.11n(HT40)   | 5590            | 11.28           | 12.00           | 14.67            | 24          | Pass   |
| ANT1+2  | 802.11n(HT40)   | 5670            | 12.57           | 13.84           | 16.26            | 24          | Pass   |
| ANT1+2  | 802.11ac(VHT40) | 5510            | 12.37           | 13.24           | 15.84            | 24          | Pass   |
| ANT1+2  | 802.11ac(VHT40) | 5590            | 11.38           | 11.84           | 14.63            | 24          | Pass   |
| ANT1+2  | 802.11ac(VHT40) | 5670            | 12.99           | 13.81           | 16.43            | 24          | Pass   |
| ANT1+2  | 802.11ac(VHT80) | 5530            | 13.79           | 12.49           | 16.20            | 24          | Pass   |
| ANT1+2  | 802.11ac(VHT80) | 5610            | 13.50           | 12.39           | 15.99            | 24          | Pass   |
| ANT1+2  | 802.11ax(HE20)  | 5500.00         | 12.68           | 12.16           | 15.44            | 24          | Pass   |
| ANT1+2  | 802.11ax(HE20)  | 5600.00         | 12.53           | 12.04           | 15.30            | 24          | Pass   |
| ANT1+2  | 802.11ax(HE20)  | 5700.00         | 12.83           | 12.28           | 15.57            | 24          | Pass   |
| ANT1+2  | 802.11ax(HE40)  | 5510.00         | 13.96           | 12.95           | 16.49            | 24          | Pass   |
| ANT1+2  | 802.11ax(HE40)  | 5590.00         | 13.01           | 12.04           | 15.56            | 24          | Pass   |
| ANT1+2  | 802.11ax(HE40)  | 5670.00         | 12.38           | 13.78           | 16.15            | 24          | Pass   |
| ANT1+2  | 802.11ax(HE80)  | 5530.00         | 12.71           | 12.56           | 15.65            | 24          | Pass   |
| ANT1+2  | 802.11ax(HE80)  | 5610.00         | 12.54           | 12.48           | 15.52            | 24          | Pass   |

**Band 4 (5725 – 5850 MHz) SISO:**

| Condition | Antenna | Modulation      | Frequency (MHz) | Conducted Power(dBm) | Duty factor(dB) | Total Power(dBm) | limit(dBm) | Result |
|-----------|---------|-----------------|-----------------|----------------------|-----------------|------------------|------------|--------|
| NVNT      | ANT1    | 802.11a         | 5745.00         | 11.77                | 0.12            | 11.89            | 30         | Pass   |
| NVNT      | ANT1    | 802.11a         | 5785.00         | 11.69                | 0.00            | 11.69            | 30         | Pass   |
| NVNT      | ANT1    | 802.11a         | 5825.00         | 11.70                | 0.00            | 11.70            | 30         | Pass   |
| NVNT      | ANT1    | 802.11n(HT20)   | 5745.00         | 11.74                | 0.13            | 11.87            | 30         | Pass   |
| NVNT      | ANT1    | 802.11n(HT20)   | 5785.00         | 11.44                | 0.00            | 11.44            | 30         | Pass   |
| NVNT      | ANT1    | 802.11n(HT20)   | 5825.00         | 11.38                | 0.13            | 11.51            | 30         | Pass   |
| NVNT      | ANT1    | 802.11ac(VHT20) | 5745.00         | 12.46                | 0.13            | 12.59            | 30         | Pass   |
| NVNT      | ANT1    | 802.11ac(VHT20) | 5785.00         | 11.42                | 0.13            | 11.55            | 30         | Pass   |
| NVNT      | ANT1    | 802.11ac(VHT20) | 5825.00         | 11.21                | 0.00            | 11.21            | 30         | Pass   |
| NVNT      | ANT1    | 802.11ax(HE20)  | 5745.00         | 11.16                | 0.13            | 11.29            | 30         | Pass   |
| NVNT      | ANT1    | 802.11ax(HE20)  | 5785.00         | 11.54                | 0.13            | 11.67            | 30         | Pass   |
| NVNT      | ANT1    | 802.11ax(HE20)  | 5825.00         | 11.20                | 0.13            | 11.33            | 30         | Pass   |
| NVNT      | ANT1    | 802.11n(HT40)   | 5755.00         | 11.35                | 0.26            | 11.61            | 30         | Pass   |
| NVNT      | ANT1    | 802.11n(HT40)   | 5795.00         | 10.92                | 0.26            | 11.18            | 30         | Pass   |
| NVNT      | ANT1    | 802.11ac(VHT40) | 5755.00         | 11.35                | 0.26            | 11.61            | 30         | Pass   |
| NVNT      | ANT1    | 802.11ac(VHT40) | 5795.00         | 11.35                | 0.26            | 11.61            | 30         | Pass   |
| NVNT      | ANT1    | 802.11ax(HE40)  | 5755.00         | 11.47                | 0.26            | 11.73            | 30         | Pass   |
| NVNT      | ANT1    | 802.11ax(HE40)  | 5795.00         | 10.80                | 0.26            | 11.06            | 30         | Pass   |
| NVNT      | ANT1    | 802.11ac(VHT80) | 5775.00         | 10.85                | 0.51            | 11.36            | 30         | Pass   |
| NVNT      | ANT1    | 802.11ax(HE80)  | 5775.00         | 10.89                | 0.51            | 11.40            | 30         | Pass   |

| Condition | Antenna | Modulation      | Frequency (MHz) | Conducted Power(dBm) | Duty factor(dB) | Total Power(dBm) | limit(dBm) | Result |
|-----------|---------|-----------------|-----------------|----------------------|-----------------|------------------|------------|--------|
| NVNT      | ANT2    | 802.11a         | 5745.00         | 11.46                | 0.12            | 11.58            | 30         | Pass   |
| NVNT      | ANT2    | 802.11a         | 5785.00         | 11.23                | 0.00            | 11.23            | 30         | Pass   |
| NVNT      | ANT2    | 802.11a         | 5825.00         | 10.97                | 0.00            | 10.97            | 30         | Pass   |
| NVNT      | ANT2    | 802.11n(HT20)   | 5745.00         | 11.87                | 0.13            | 12.00            | 30         | Pass   |
| NVNT      | ANT2    | 802.11n(HT20)   | 5785.00         | 11.22                | 0.00            | 11.22            | 30         | Pass   |
| NVNT      | ANT2    | 802.11n(HT20)   | 5825.00         | 10.82                | 0.13            | 10.95            | 30         | Pass   |
| NVNT      | ANT2    | 802.11ac(VHT20) | 5745.00         | 11.14                | 0.13            | 11.27            | 30         | Pass   |
| NVNT      | ANT2    | 802.11ac(VHT20) | 5785.00         | 11.10                | 0.13            | 11.23            | 30         | Pass   |
| NVNT      | ANT2    | 802.11ac(VHT20) | 5825.00         | 10.97                | 0.00            | 10.97            | 30         | Pass   |
| NVNT      | ANT2    | 802.11ax(HE20)  | 5745.00         | 11.36                | 0.13            | 11.49            | 30         | Pass   |
| NVNT      | ANT2    | 802.11ax(HE20)  | 5785.00         | 11.05                | 0.13            | 11.18            | 30         | Pass   |
| NVNT      | ANT2    | 802.11ax(HE20)  | 5825.00         | 10.85                | 0.13            | 10.98            | 30         | Pass   |
| NVNT      | ANT2    | 802.11n(HT40)   | 5755.00         | 11.22                | 0.26            | 11.48            | 30         | Pass   |
| NVNT      | ANT2    | 802.11n(HT40)   | 5795.00         | 10.79                | 0.26            | 11.05            | 30         | Pass   |
| NVNT      | ANT2    | 802.11ac(VHT40) | 5755.00         | 11.26                | 0.26            | 11.52            | 30         | Pass   |
| NVNT      | ANT2    | 802.11ac(VHT40) | 5795.00         | 11.28                | 0.26            | 11.54            | 30         | Pass   |
| NVNT      | ANT2    | 802.11ax(HE40)  | 5755.00         | 10.88                | 0.26            | 11.14            | 30         | Pass   |
| NVNT      | ANT2    | 802.11ax(HE40)  | 5795.00         | 10.82                | 0.26            | 11.08            | 30         | Pass   |
| NVNT      | ANT2    | 802.11ac(VHT80) | 5775.00         | 10.91                | 0.51            | 11.42            | 30         | Pass   |
| NVNT      | ANT2    | 802.11ax(HE80)  | 5775.00         | 10.88                | 0.51            | 11.39            | 30         | Pass   |

| Condition | Modulation      | Frequency (MHz) | Duty cycle(%) | Duty_factor |
|-----------|-----------------|-----------------|---------------|-------------|
| NVNT      | 802.11a         | 5745.00         | 97.18         | 0.12        |
| NVNT      | 802.11a         | 5785.00         | 98.60         | 0.00        |
| NVNT      | 802.11a         | 5825.00         | 98.60         | 0.00        |
| NVNT      | 802.11n(HT20)   | 5745.00         | 97.01         | 0.13        |
| NVNT      | 802.11n(HT20)   | 5785.00         | 98.52         | 0.00        |
| NVNT      | 802.11n(HT20)   | 5825.00         | 97.01         | 0.13        |
| NVNT      | 802.11ac(VHT20) | 5745.00         | 97.01         | 0.13        |
| NVNT      | 802.11ac(VHT20) | 5785.00         | 97.01         | 0.13        |
| NVNT      | 802.11ac(VHT20) | 5825.00         | 98.52         | 0.00        |
| NVNT      | 802.11ax(HE20)  | 5745.00         | 97.01         | 0.13        |
| NVNT      | 802.11ax(HE20)  | 5785.00         | 97.01         | 0.13        |
| NVNT      | 802.11ax(HE20)  | 5825.00         | 97.01         | 0.13        |
| NVNT      | 802.11n(HT40)   | 5755.00         | 94.12         | 0.26        |
| NVNT      | 802.11n(HT40)   | 5795.00         | 94.12         | 0.26        |
| NVNT      | 802.11ac(VHT40) | 5755.00         | 94.12         | 0.26        |
| NVNT      | 802.11ac(VHT40) | 5795.00         | 94.12         | 0.26        |
| NVNT      | 802.11ax(HE40)  | 5755.00         | 94.12         | 0.26        |
| NVNT      | 802.11ax(HE40)  | 5795.00         | 94.12         | 0.26        |
| NVNT      | 802.11ac(VHT80) | 5775.00         | 88.89         | 0.51        |
| NVNT      | 802.11ax(HE80)  | 5775.00         | 88.89         | 0.51        |

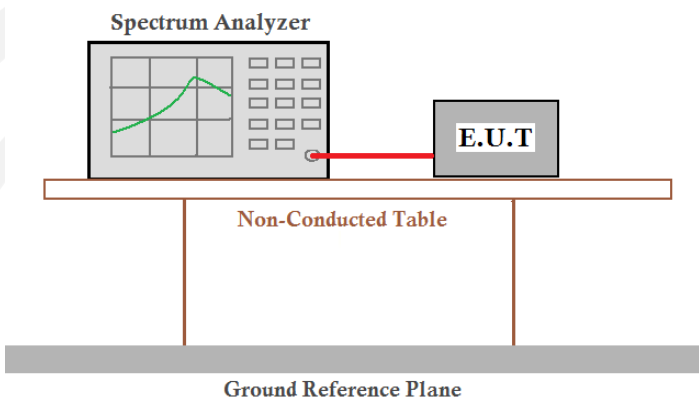
**MIMO:**

| Condition | Antenna | Modulation      | Frequency (MHz) | ANT1 Power(dBm) | ANT2 Power(dBm) | Total Power(dBm) | limit(dBm) | Result |
|-----------|---------|-----------------|-----------------|-----------------|-----------------|------------------|------------|--------|
| NVNT      | ANT1+2  | 802.11n(HT20)   | 5745.00         | 11.87           | <b>12.00</b>    | 14.95            | 30         | Pass   |
| NVNT      | ANT1+2  | 802.11n(HT20)   | 5785.00         | 11.44           | 11.22           | 14.34            | 30         | Pass   |
| NVNT      | ANT1+2  | 802.11n(HT20)   | 5825.00         | 11.51           | 10.95           | 14.25            | 30         | Pass   |
| NVNT      | ANT1+2  | 802.11ac(VHT20) | 5745.00         | <b>12.59</b>    | 11.27           | <b>14.99</b>     | 30         | Pass   |
| NVNT      | ANT1+2  | 802.11ac(VHT20) | 5785.00         | 11.55           | 11.23           | 14.40            | 30         | Pass   |
| NVNT      | ANT1+2  | 802.11ac(VHT20) | 5825.00         | 11.21           | 10.97           | 14.10            | 30         | Pass   |
| NVNT      | ANT1+2  | 802.11ax(HE20)  | 5745.00         | 11.29           | 11.49           | 14.40            | 30         | Pass   |
| NVNT      | ANT1+2  | 802.11ax(HE20)  | 5785.00         | 11.67           | 11.18           | 14.44            | 30         | Pass   |
| NVNT      | ANT1+2  | 802.11ax(HE20)  | 5825.00         | 11.33           | 10.98           | 14.17            | 30         | Pass   |
| NVNT      | ANT1+2  | 802.11n(HT40)   | 5755.00         | 11.61           | 11.48           | 14.56            | 30         | Pass   |
| NVNT      | ANT1+2  | 802.11n(HT40)   | 5795.00         | 11.18           | 11.05           | 14.13            | 30         | Pass   |
| NVNT      | ANT1+2  | 802.11ac(VHT40) | 5755.00         | 11.61           | 11.52           | 14.58            | 30         | Pass   |
| NVNT      | ANT1+2  | 802.11ac(VHT40) | 5795.00         | 11.61           | 11.54           | 14.59            | 30         | Pass   |
| NVNT      | ANT1+2  | 802.11ax(HE40)  | 5755.00         | 11.73           | 11.14           | 14.46            | 30         | Pass   |
| NVNT      | ANT1+2  | 802.11ax(HE40)  | 5795.00         | 11.06           | 11.08           | 14.08            | 30         | Pass   |
| NVNT      | ANT1+2  | 802.11ac(VHT80) | 5775.00         | 11.36           | 11.42           | 14.40            | 30         | Pass   |
| NVNT      | ANT1+2  | 802.11ax(HE80)  | 5775.00         | 11.40           | 11.39           | 14.41            | 30         | Pass   |

Note: The measure-and-sum technique shall be used for measuring in-band transmit power of a device. Total power is the sum of the conducted power levels measured at the various output ports.

(First measure the power (mW) of each antenna separately, and the total power is equal to Ant1mW + Ant2mW+....)

#### 4.5 Power Spectral Density

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Requirement: | FCC Part15 E Section 15.407, RSS-247 §6.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Test Method:      | KDB 789033 D02 General UNII Test Procedures New Rules v02r01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Limit:            | <p>FCC: 1. <math>\leq 11.00 \text{ dBm/MHz}</math> for 5150MHz-5250MHz, 5250-5350MHz and 5470-5725 MHz</p> <p>2. <math>\leq 30.00 \text{ dBm/500KHz}</math> for 5725MHz-5850MHz</p> <p>IC: 1. For the 5.15-5.25 GHz, The e.i.r.p. spectral density shall not exceed 10 dBm in any 1.0 MHz band.</p> <p>2. For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, The power spectral density shall not exceed 11 dBm in any 1.0 MHz band.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Test setup:       |  <p>The diagram illustrates the test setup. A Spectrum Analyzer is connected to an E.U.T. (Equipment Under Test) via a red cable. Both the Spectrum Analyzer and the E.U.T. are placed on a Non-Conducted Table. The table is supported by a Ground Reference Plane.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Test procedure:   | <ol style="list-style-type: none"> <li>1) Create an average power spectrum for the EUT operating mode being tested by following the instructions in section E)2) for measuring maximum conducted output power using a spectrum analyzer or EMI receiver: select the appropriate test method (SA-1, SA-2, SA-3, or alternatives to each) and apply it up to, but not including, the step labeled, "Compute power...".</li> <li>2) Use the peak search function on the instrument to find the peak of the spectrum.</li> <li>3) Make the following adjustments to the peak value of the spectrum, if applicable: <ol style="list-style-type: none"> <li>a) If Method SA-2 or SA-2 Alternative was used, add <math>10 \log(1/x)</math>, where <math>x</math> is the duty cycle, to the peak of the spectrum.</li> <li>b) If Method SA-3 Alternative was used and the linear mode was used in step E)2)g)(viii), add 1 dB to the final result to compensate for the difference between linear averaging and power averaging.</li> </ol> </li> <li>4) The result is the PSD.</li> </ol> |
| Test Instruments: | Refer to section 3.0 for details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Test mode:        | Refer to section 2.2 for details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Test results:     | Pass                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

**Measurement Data****Band 1 (5150-5250 MHz) SISO:**

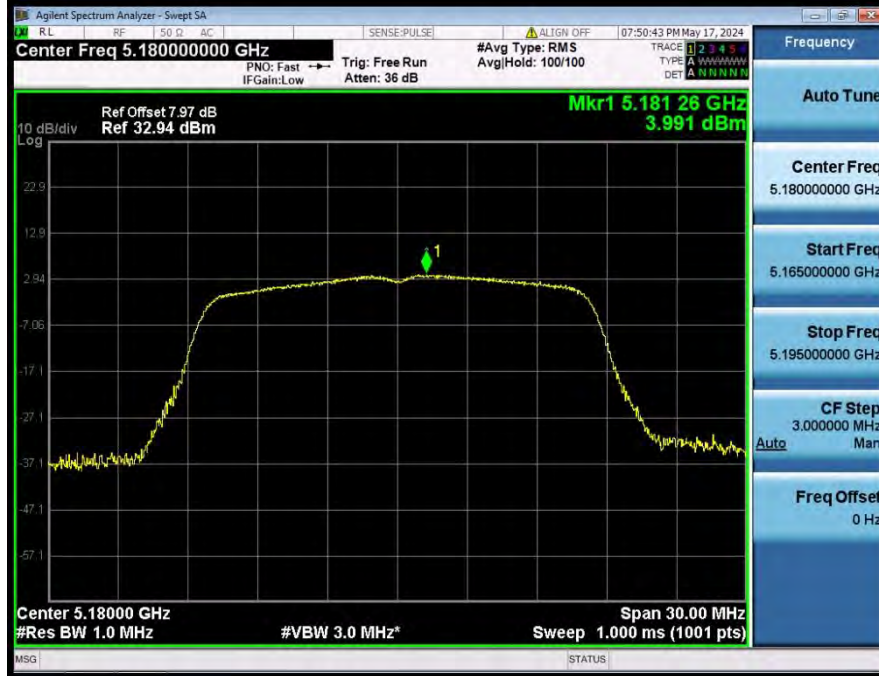
| Antenna | Modulation      | Frequency (MHz) | PSD(dBm/MHz) | Duty factor(dB) | Total PSD(dBm/MHz) | FCC Limit (dBm) | IC Limit (dBm) | Result |
|---------|-----------------|-----------------|--------------|-----------------|--------------------|-----------------|----------------|--------|
| ANT1    | 802.11a         | 5180.00         | 3.99         | 0.47            | 4.46               | 11              | 10             | Pass   |
| ANT1    | 802.11a         | 5200.00         | 3.57         | 0.41            | 3.98               | 11              | 10             | Pass   |
| ANT1    | 802.11a         | 5240.00         | 4.06         | 0.47            | 4.53               | 11              | 10             | Pass   |
| ANT1    | 802.11n(HT20)   | 5180.00         | 3.40         | 0.56            | 3.96               | 11              | 10             | Pass   |
| ANT1    | 802.11n(HT20)   | 5200.00         | 2.77         | 0.49            | 3.26               | 11              | 10             | Pass   |
| ANT1    | 802.11n(HT20)   | 5240.00         | 3.33         | 0.55            | 3.88               | 11              | 10             | Pass   |
| ANT1    | 802.11ac(VHT20) | 5180.00         | 2.79         | 0.48            | 3.27               | 11              | 10             | Pass   |
| ANT1    | 802.11ac(VHT20) | 5200.00         | 2.65         | 0.55            | 3.20               | 11              | 10             | Pass   |
| ANT1    | 802.11ac(VHT20) | 5240.00         | 3.34         | 0.14            | 3.48               | 11              | 10             | Pass   |
| ANT1    | 802.11n(HT40)   | 5190.00         | 0.04         | 0.91            | 0.95               | 11              | 10             | Pass   |
| ANT1    | 802.11n(HT40)   | 5230.00         | -0.03        | 0.94            | 0.91               | 11              | 10             | Pass   |
| ANT1    | 802.11ac(VHT40) | 5190.00         | 0.18         | 1.06            | 1.24               | 11              | 10             | Pass   |
| ANT1    | 802.11ac(VHT40) | 5230.00         | -0.07        | 1.06            | 0.99               | 11              | 10             | Pass   |
| ANT1    | 802.11ac(VHT80) | 5210.00         | -0.36        | 1.66            | 1.30               | 11              | 10             | Pass   |
| ANT1    | 802.11ax(HE20)  | 5180.00         | 2.87         | 0.55            | 3.42               | 11              | 10             | Pass   |
| ANT1    | 802.11ax(HE20)  | 5200.00         | 2.41         | 0.62            | 3.03               | 11              | 10             | Pass   |
| ANT1    | 802.11ax(HE20)  | 5240.00         | 2.88         | 0.55            | 3.43               | 11              | 10             | Pass   |
| ANT1    | 802.11ax(HE40)  | 5190.00         | 0.29         | 1.06            | 1.35               | 11              | 10             | Pass   |
| ANT1    | 802.11ax(HE40)  | 5230.00         | -0.38        | 0.91            | 0.53               | 11              | 10             | Pass   |
| ANT1    | 802.11ax(HE80)  | 5210.00         | -4.52        | 1.66            | -2.86              | 11              | 10             | Pass   |

| Antenna | Modulation      | Frequency (MHz) | PSD(dBm/MHz) | Duty factor(dB) | Total PSD(dBm/MHz) | FCC Limit (dBm) | IC Limit (dBm) | Result |
|---------|-----------------|-----------------|--------------|-----------------|--------------------|-----------------|----------------|--------|
| ANT2    | 802.11a         | 5180.00         | 2.45         | 0.47            | 2.92               | 11              | 10             | Pass   |
| ANT2    | 802.11a         | 5200.00         | 2.18         | 0.41            | 2.59               | 11              | 10             | Pass   |
| ANT2    | 802.11a         | 5240.00         | 2.53         | 0.47            | 3.00               | 11              | 10             | Pass   |
| ANT2    | 802.11n(HT20)   | 5180.00         | 1.34         | 0.56            | 1.90               | 11              | 10             | Pass   |
| ANT2    | 802.11n(HT20)   | 5200.00         | 1.25         | 0.49            | 1.74               | 11              | 10             | Pass   |
| ANT2    | 802.11n(HT20)   | 5240.00         | 1.32         | 0.55            | 1.87               | 11              | 10             | Pass   |
| ANT2    | 802.11ac(VHT20) | 5180.00         | 1.02         | 0.48            | 1.50               | 11              | 10             | Pass   |
| ANT2    | 802.11ac(VHT20) | 5200.00         | 1.28         | 0.55            | 1.83               | 11              | 10             | Pass   |
| ANT2    | 802.11ac(VHT20) | 5240.00         | 1.41         | 0.14            | 1.55               | 11              | 10             | Pass   |
| ANT2    | 802.11n(HT40)   | 5190.00         | -1.79        | 0.91            | -0.88              | 11              | 10             | Pass   |
| ANT2    | 802.11n(HT40)   | 5230.00         | -1.59        | 0.94            | -0.65              | 11              | 10             | Pass   |
| ANT2    | 802.11ac(VHT40) | 5190.00         | -1.62        | 1.06            | -0.56              | 11              | 10             | Pass   |
| ANT2    | 802.11ac(VHT40) | 5230.00         | -1.58        | 1.06            | -0.52              | 11              | 10             | Pass   |
| ANT2    | 802.11ac(VHT80) | 5210.00         | -5.33        | 1.66            | -3.67              | 11              | 10             | Pass   |
| ANT2    | 802.11ax(HE20)  | 5180.00         | 1.03         | 0.55            | 1.58               | 11              | 10             | Pass   |
| ANT2    | 802.11ax(HE20)  | 5200.00         | 1.56         | 0.62            | 2.18               | 11              | 10             | Pass   |
| ANT2    | 802.11ax(HE20)  | 5240.00         | 1.60         | 0.55            | 2.15               | 11              | 10             | Pass   |
| ANT2    | 802.11ax(HE40)  | 5190.00         | -1.70        | 1.06            | -0.64              | 11              | 10             | Pass   |
| ANT2    | 802.11ax(HE40)  | 5230.00         | -1.37        | 0.91            | -0.46              | 11              | 10             | Pass   |
| ANT2    | 802.11ax(HE80)  | 5210.00         | -5.45        | 1.66            | -3.79              | 11              | 10             | Pass   |

**MIMO:**

| Antenna | Modulation      | Frequency (MHz) | ANT1 (dBm/MHz) | ANT2 (dBm/MHz) | Total PSD(dBm/MHz) | FCC Limit (dBm) | IC Limit (dBm) | Result |
|---------|-----------------|-----------------|----------------|----------------|--------------------|-----------------|----------------|--------|
| ANT1+2  | 802.11n(HT20)   | 5745.00         | 3.96           | 1.90           | 6.06               | 11              | 10             | Pass   |
| ANT1+2  | 802.11n(HT20)   | 5785.00         | 3.26           | 1.74           | 5.58               | 11              | 10             | Pass   |
| ANT1+2  | 802.11n(HT20)   | 5825.00         | 3.88           | 1.87           | 6.00               | 11              | 10             | Pass   |
| ANT1+2  | 802.11ac(VHT20) | 5745.00         | 3.27           | 1.50           | 5.48               | 11              | 10             | Pass   |
| ANT1+2  | 802.11ac(VHT20) | 5785.00         | 3.20           | 1.83           | 5.58               | 11              | 10             | Pass   |
| ANT1+2  | 802.11ac(VHT20) | 5825.00         | 3.48           | 1.55           | 5.63               | 11              | 10             | Pass   |
| ANT1+2  | 802.11ax(HE20)  | 5745.00         | 0.95           | -0.88          | 3.14               | 11              | 10             | Pass   |
| ANT1+2  | 802.11ax(HE20)  | 5785.00         | 0.91           | -0.65          | 3.21               | 11              | 10             | Pass   |
| ANT1+2  | 802.11ax(HE20)  | 5825.00         | 1.24           | -0.56          | 3.44               | 11              | 10             | Pass   |
| ANT1+2  | 802.11n(HT40)   | 5755.00         | 0.99           | -0.52          | 3.31               | 11              | 10             | Pass   |
| ANT1+2  | 802.11n(HT40)   | 5795.00         | 1.30           | -3.67          | 2.50               | 11              | 10             | Pass   |
| ANT1+2  | 802.11ac(VHT40) | 5755.00         | 3.42           | 1.58           | 5.61               | 11              | 10             | Pass   |
| ANT1+2  | 802.11ac(VHT40) | 5795.00         | 3.03           | 2.18           | 5.64               | 11              | 10             | Pass   |
| ANT1+2  | 802.11ax(HE40)  | 5755.00         | 3.43           | 2.15           | 5.85               | 11              | 10             | Pass   |
| ANT1+2  | 802.11ax(HE40)  | 5795.00         | 1.35           | -0.64          | 3.48               | 11              | 10             | Pass   |
| ANT1+2  | 802.11ac(VHT80) | 5775.00         | 0.53           | -0.46          | 3.07               | 11              | 10             | Pass   |
| ANT1+2  | 802.11ax(HE80)  | 5775.00         | -2.86          | -3.79          | -0.29              | 11              | 10             | Pass   |

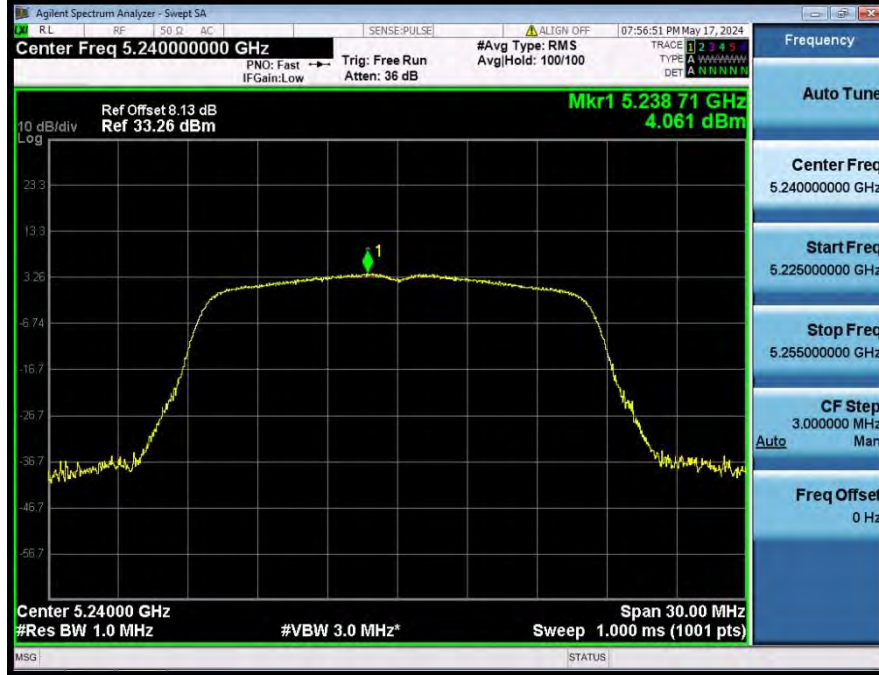
## Power Spectral Density NVNT\_ANT1\_802\_11a\_5180



## Power Spectral Density NVNT\_ANT1\_802\_11a\_5200



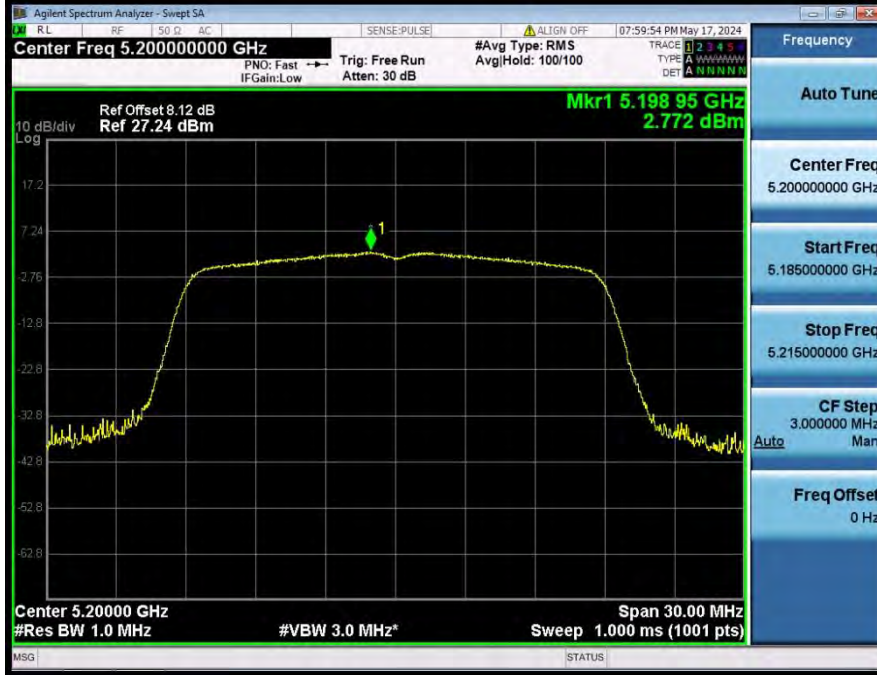
## Power\_Spectral\_Density\_NVNT\_ANT1\_802\_11a\_5240



## Power\_Spectral\_Density\_NVNT\_ANT1\_802\_11n(HT20)\_5180



Power\_Spectral\_Density\_NVNT\_ANT1\_802\_11n(HT20)\_5200



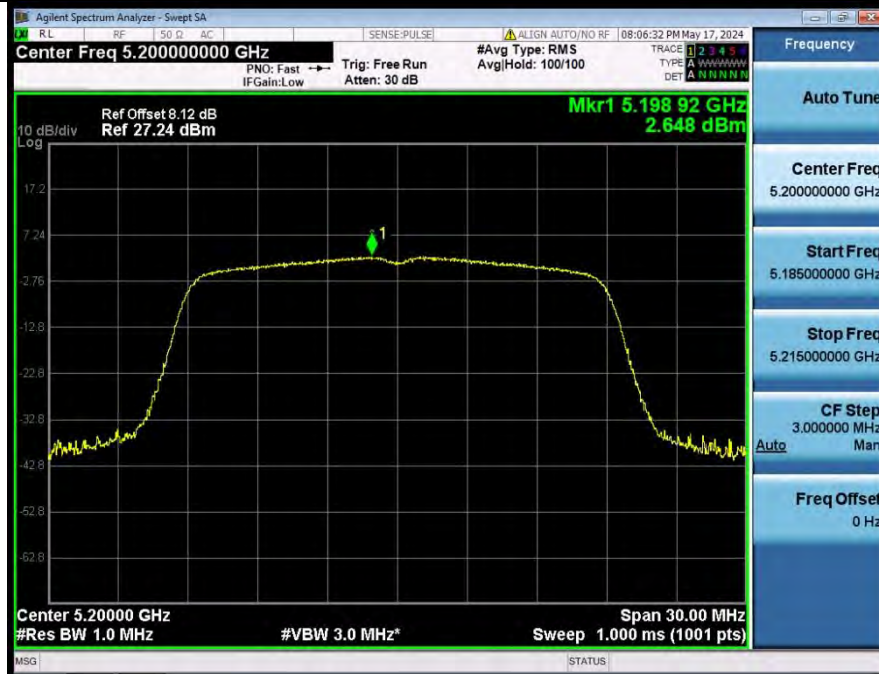
Power\_Spectral\_Density\_NVNT\_ANT1\_802\_11n(HT20)\_5240



## Power Spectral Density NVNT\_ANT1\_802\_11ac(VHT20)\_5180



## Power Spectral Density NVNT\_ANT1\_802\_11ac(VHT20)\_5200



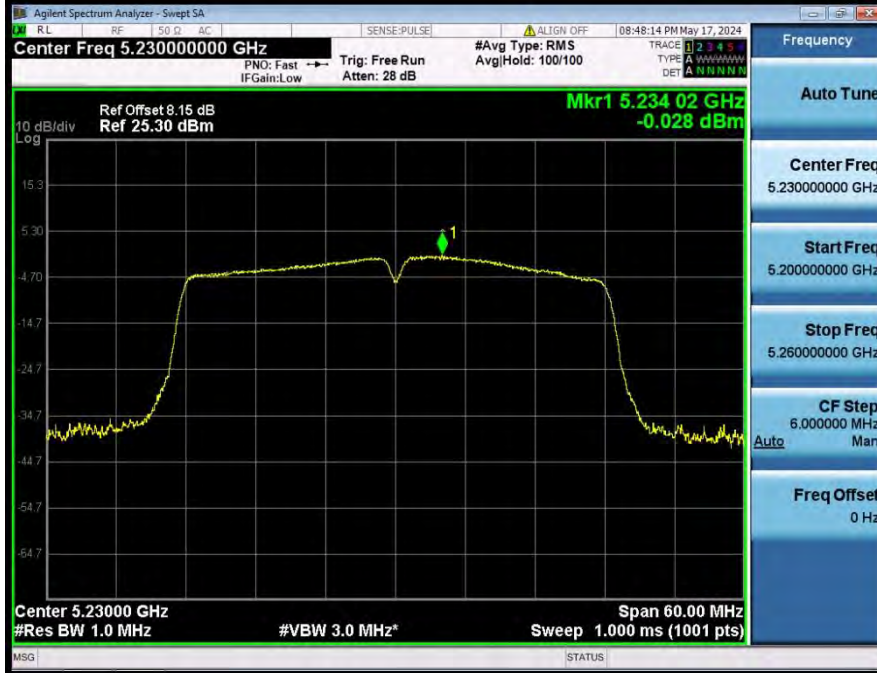
## Power\_Spectral\_Density\_NVNT\_ANT1\_802\_11ac(VHT20)\_5240



## Power\_Spectral\_Density\_NVNT\_ANT1\_802\_11n(HT40)\_5190



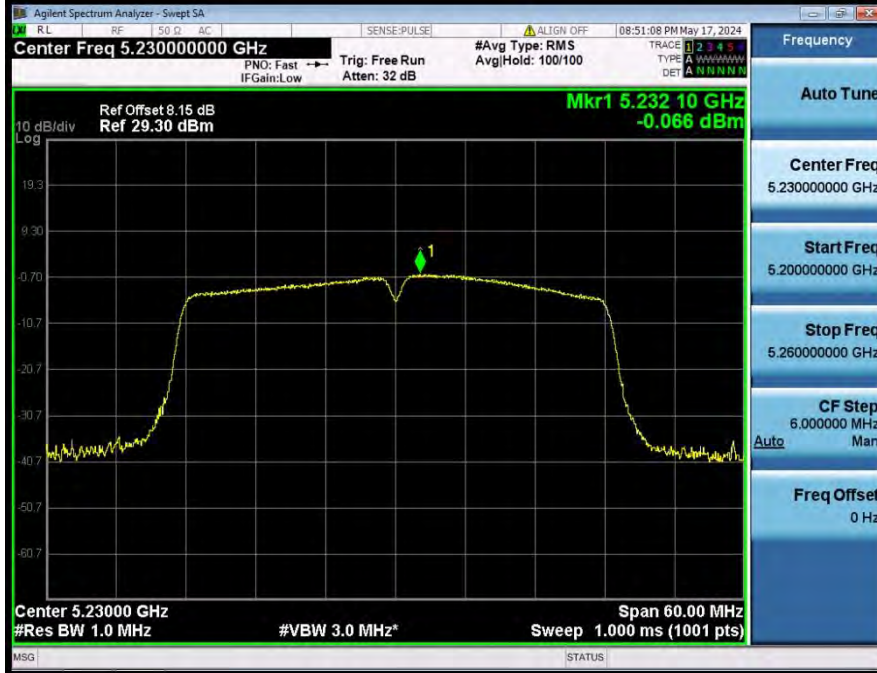
## Power Spectral Density NVNT\_ANT1\_802\_11n(HT40)\_5230



## Power Spectral Density NVNT\_ANT1\_802\_11ac(VHT40)\_5190



## Power Spectral Density NVNT\_ANT1\_802\_11ac(VHT40)\_5230



## Power Spectral Density NVNT\_ANT1\_802\_11ac(VHT80)\_5210



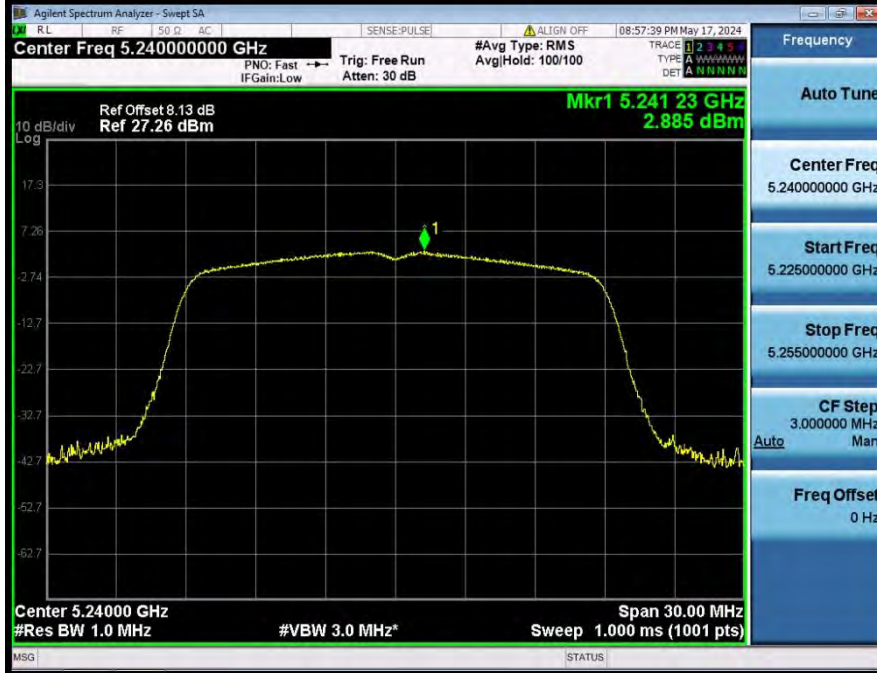
## Power Spectral Density NVNT\_ANT1\_802\_11ax(HE20)\_5180



## Power Spectral Density NVNT\_ANT1\_802\_11ax(HE20)\_5200



## Power Spectral Density NVNT\_ANT1\_802\_11ax(HE20)\_5240



## Power Spectral Density NVNT\_ANT1\_802\_11ax(HE40)\_5190

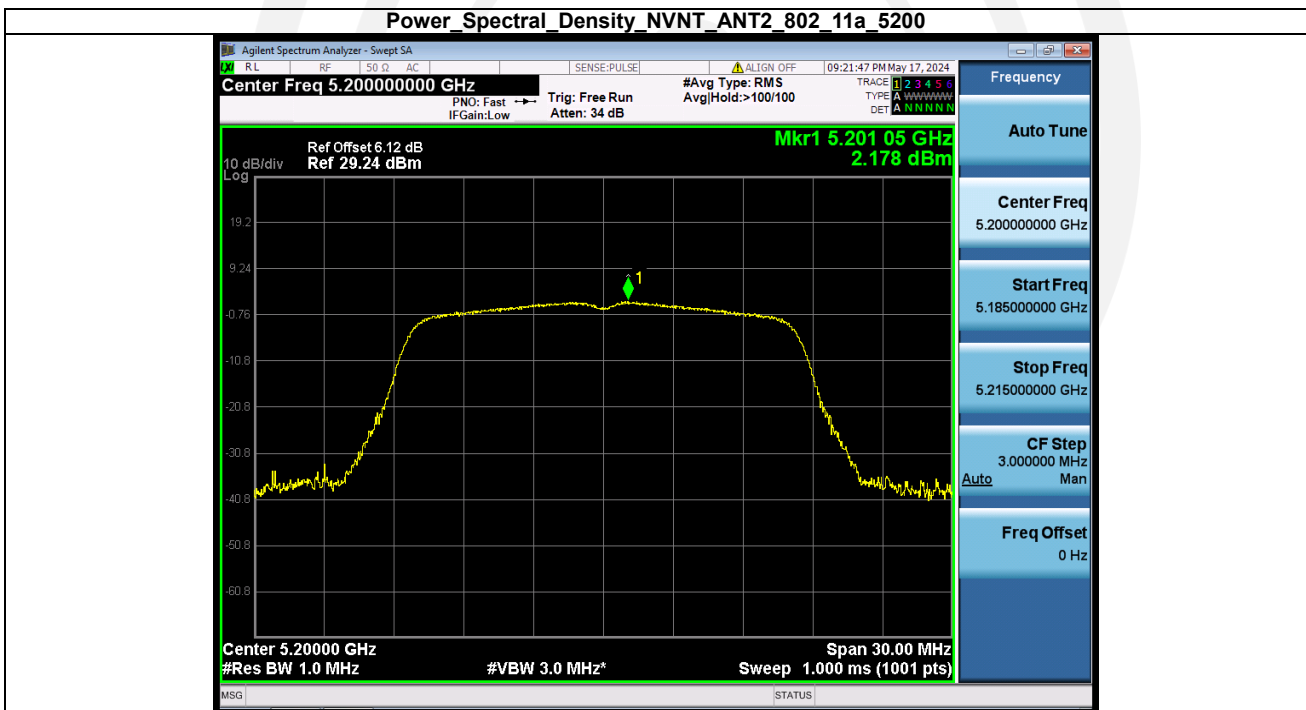
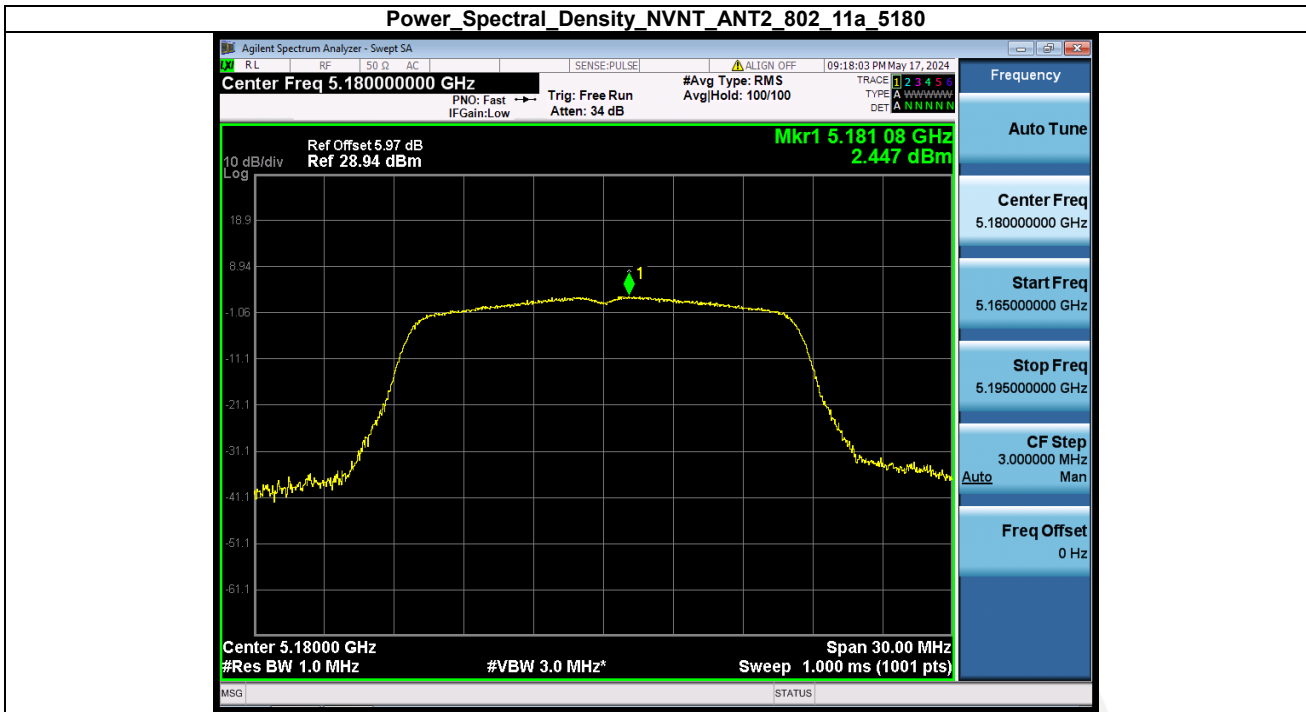


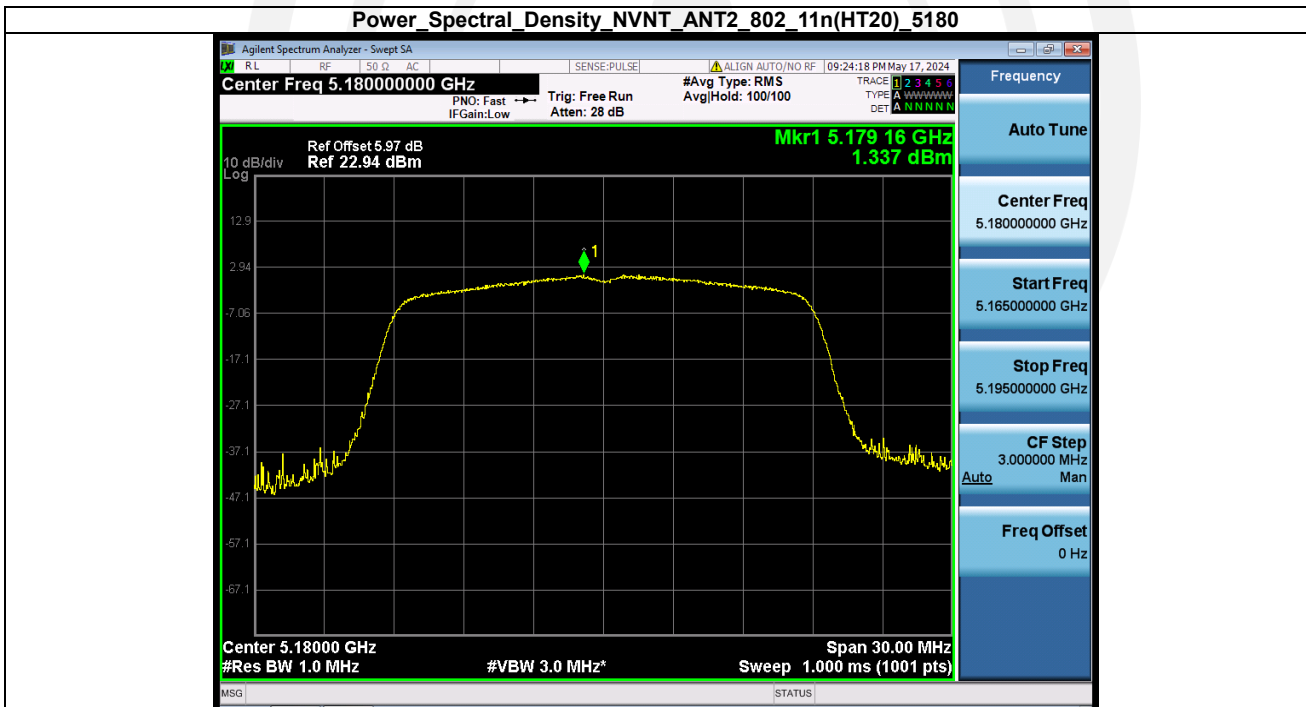
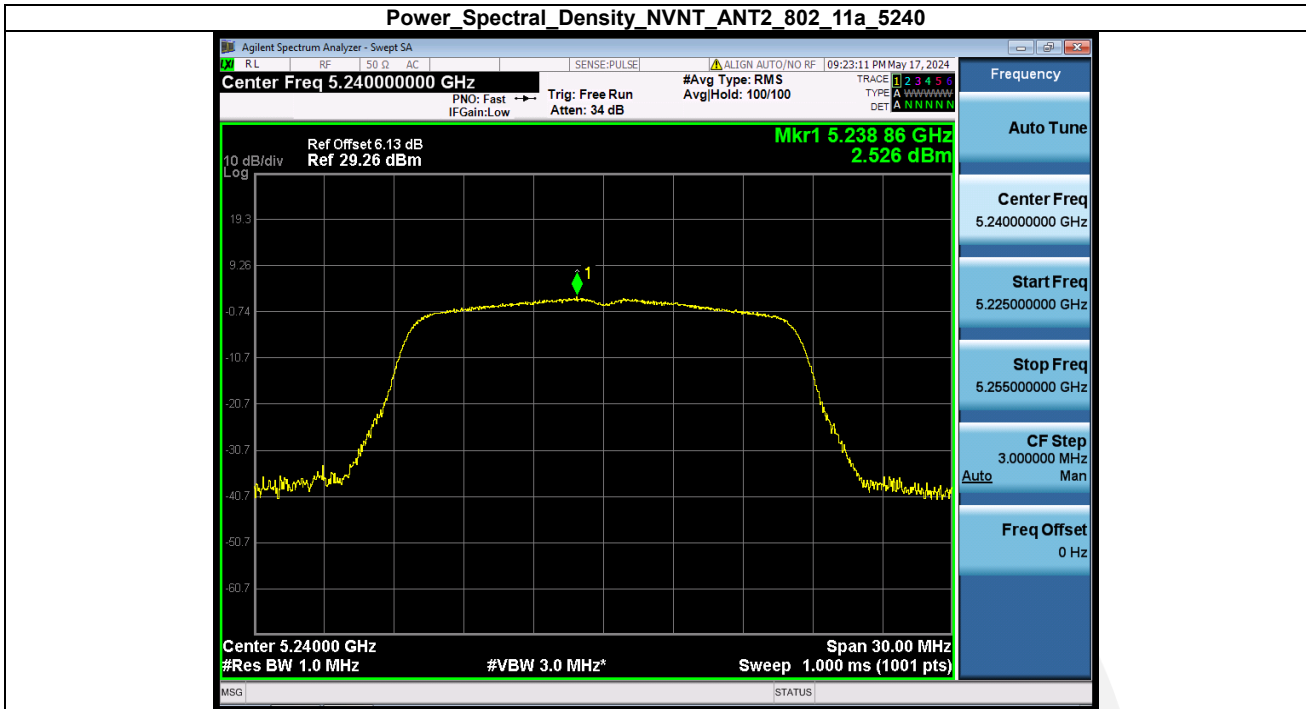
## Power Spectral Density NVNT\_ANT1\_802\_11ax(HE40)\_5230



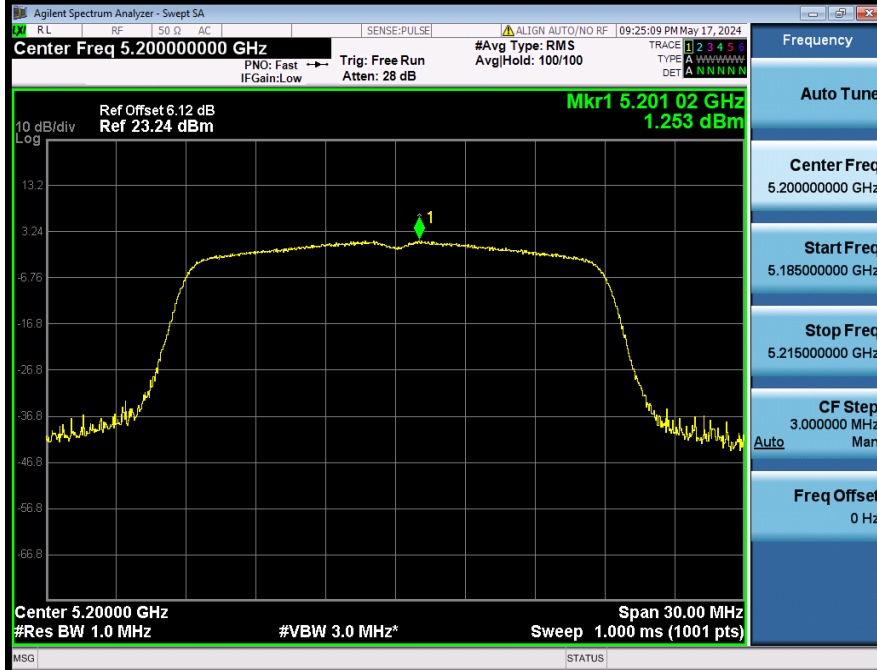
## Power Spectral Density NVNT\_ANT1\_802\_11ax(HE80)\_5210



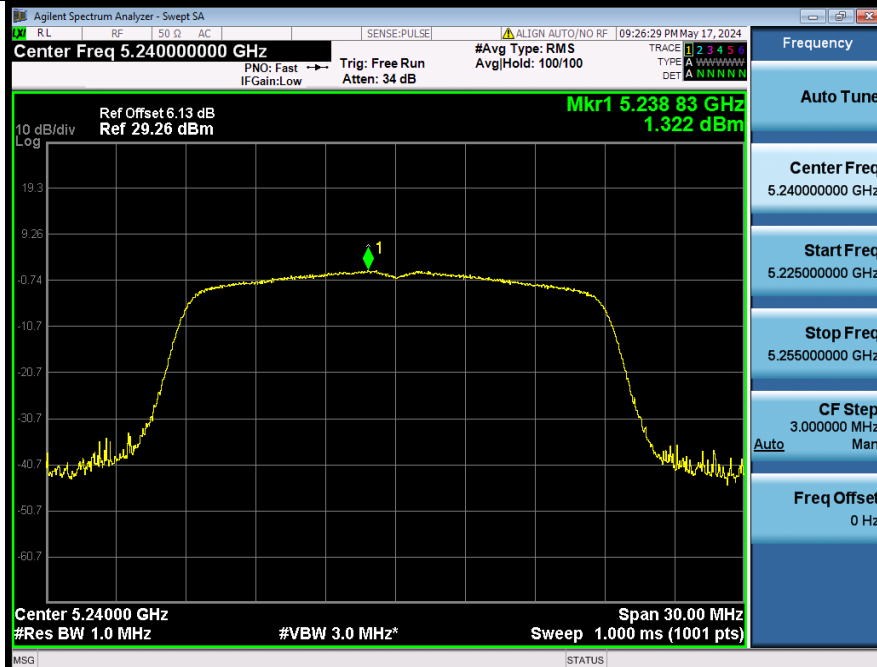


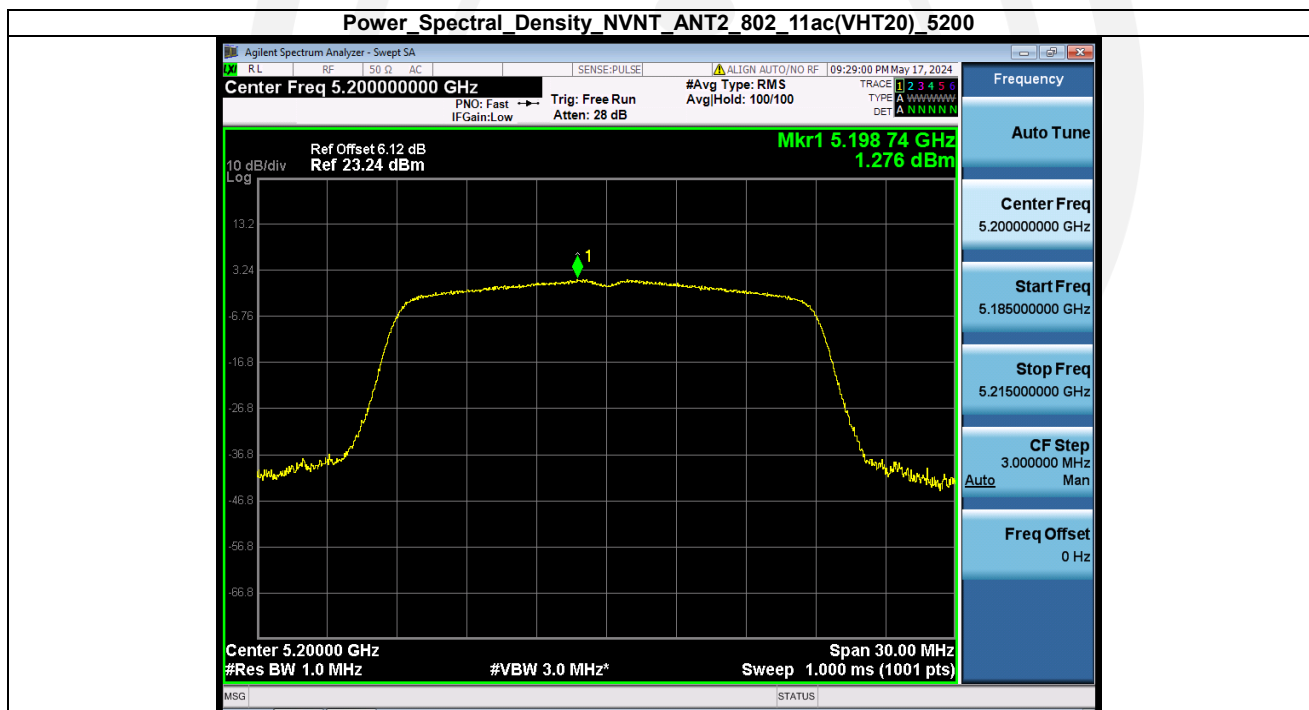
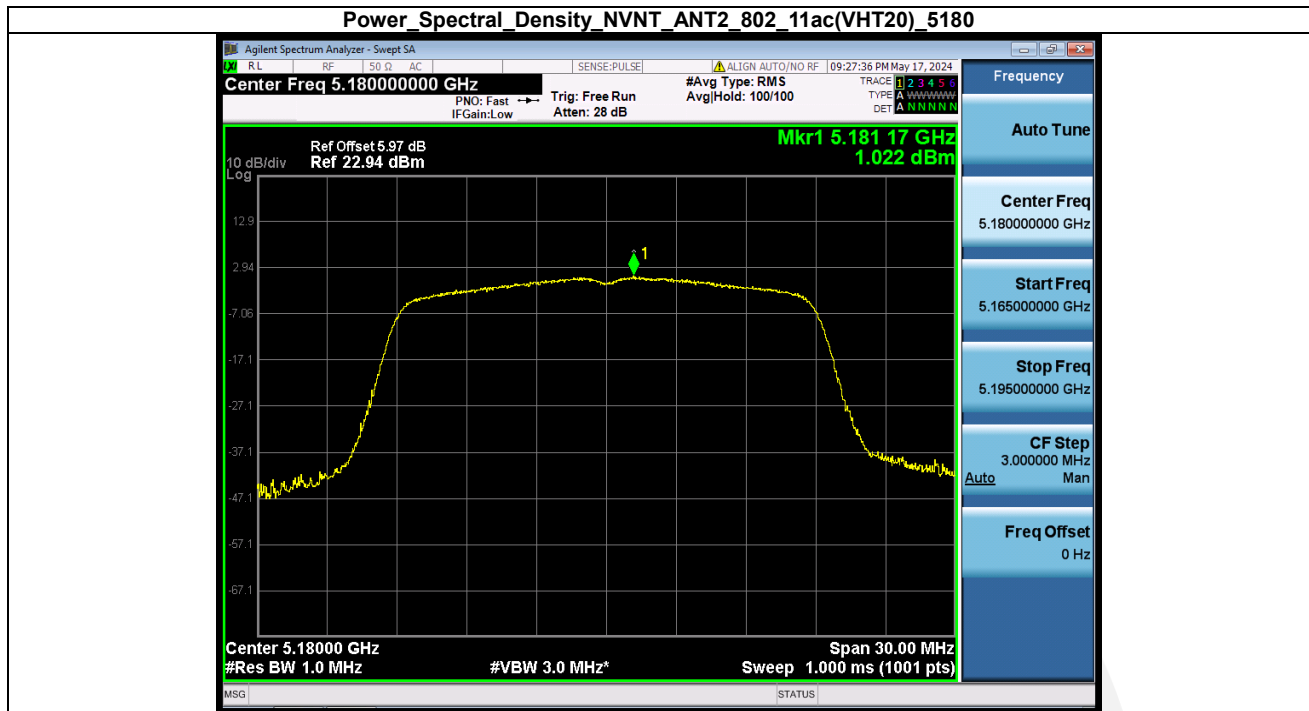


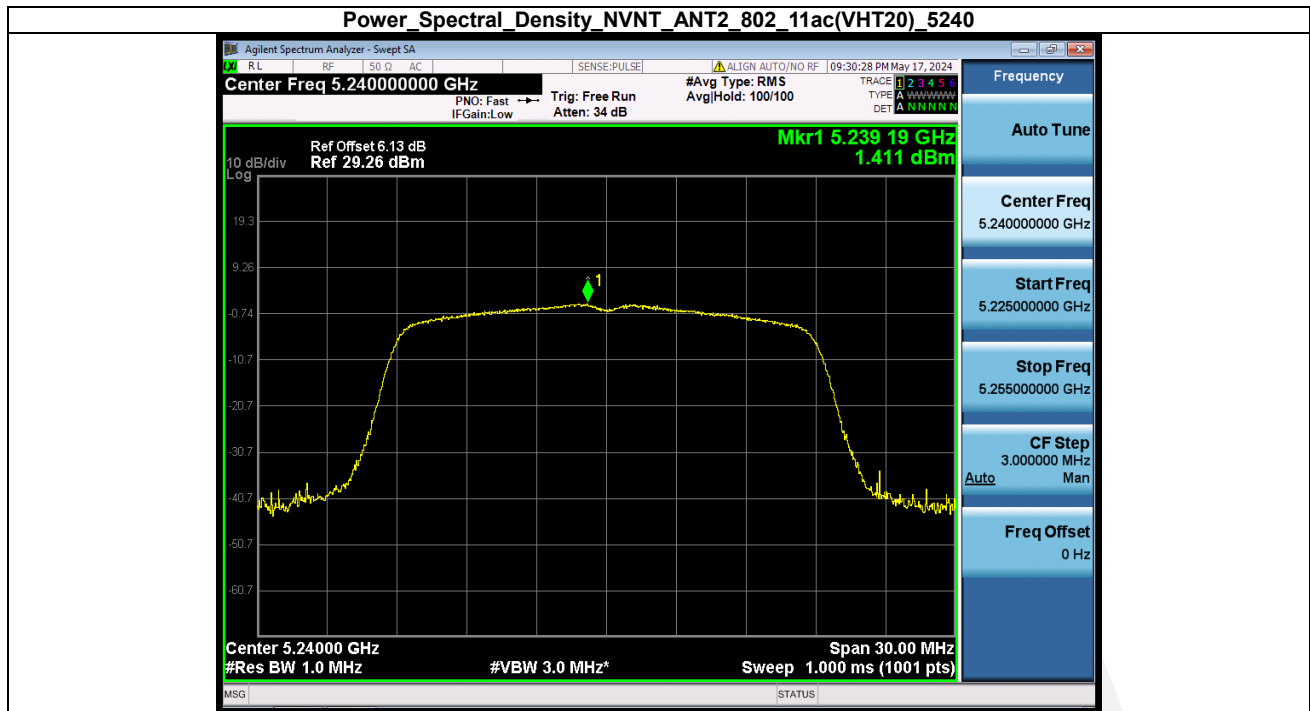
## Power Spectral Density NVNT\_ANT2\_802\_11n(HT20)\_5200



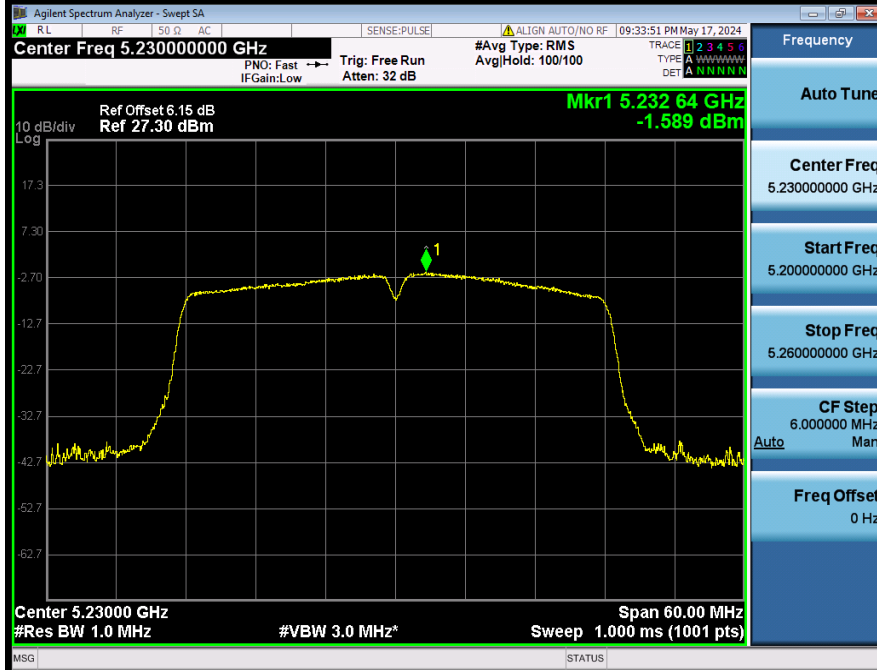
## Power Spectral Density NVNT\_ANT2\_802\_11n(HT20)\_5240



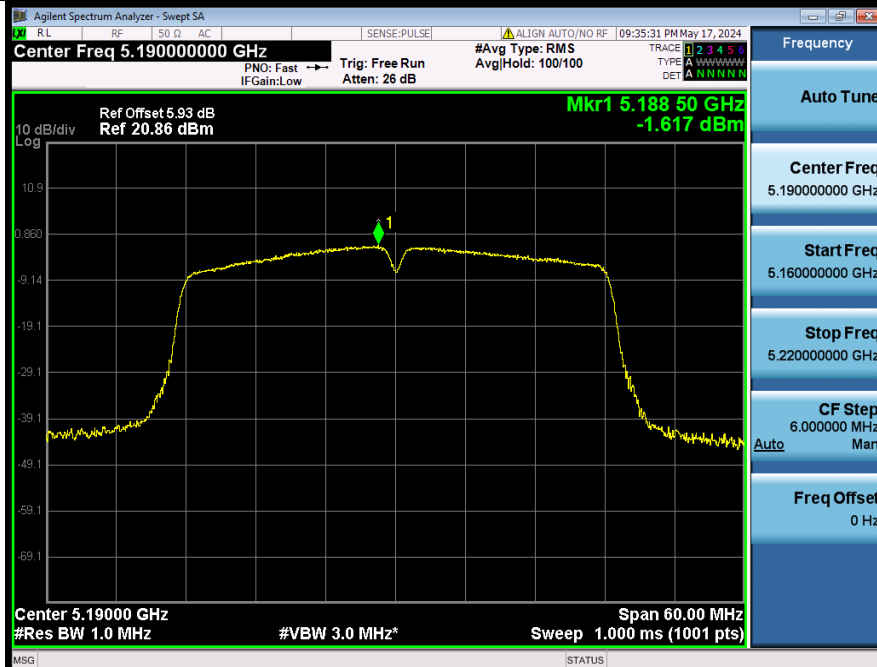


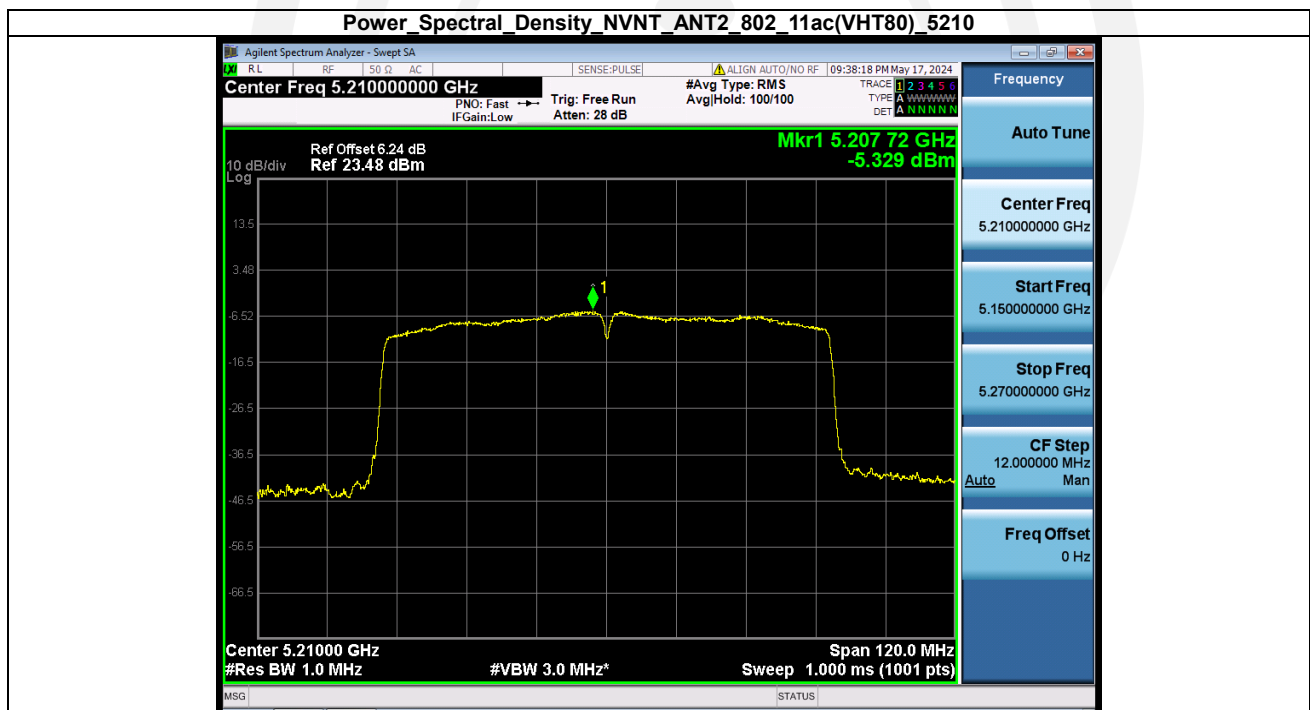
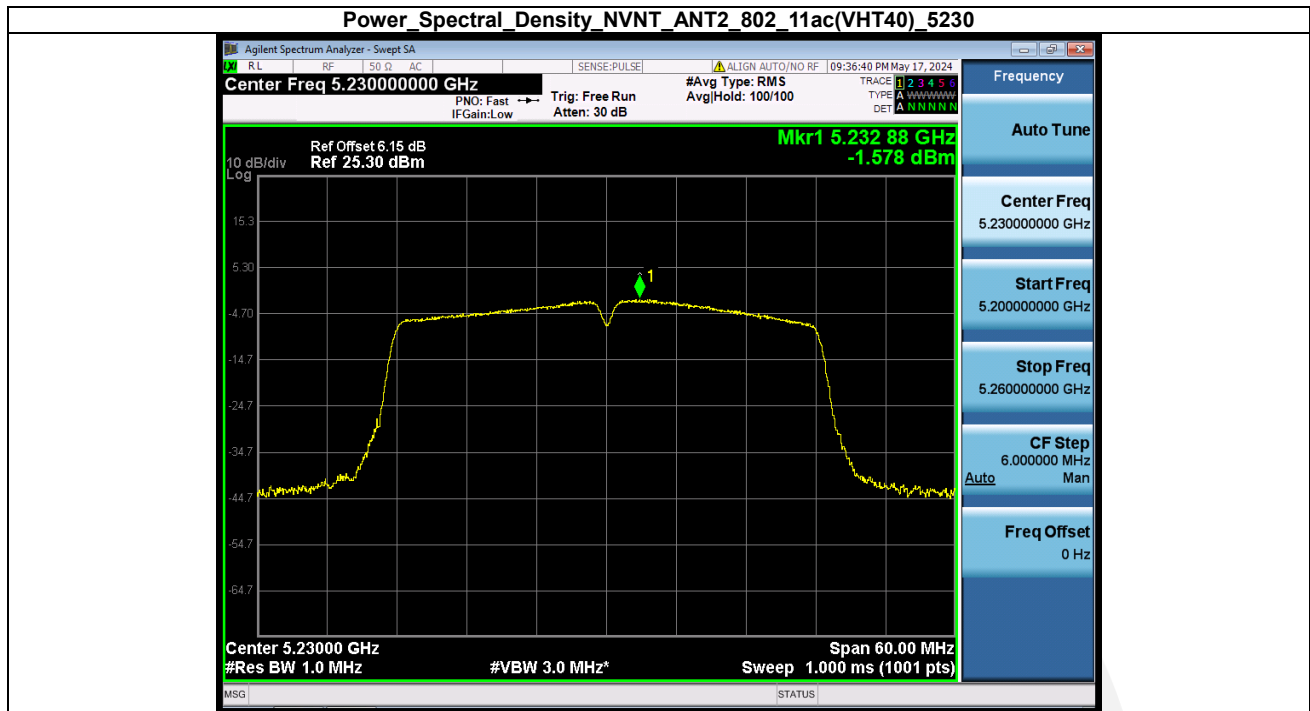


## Power Spectral Density NVNT\_ANT2\_802\_11n(HT40)\_5230

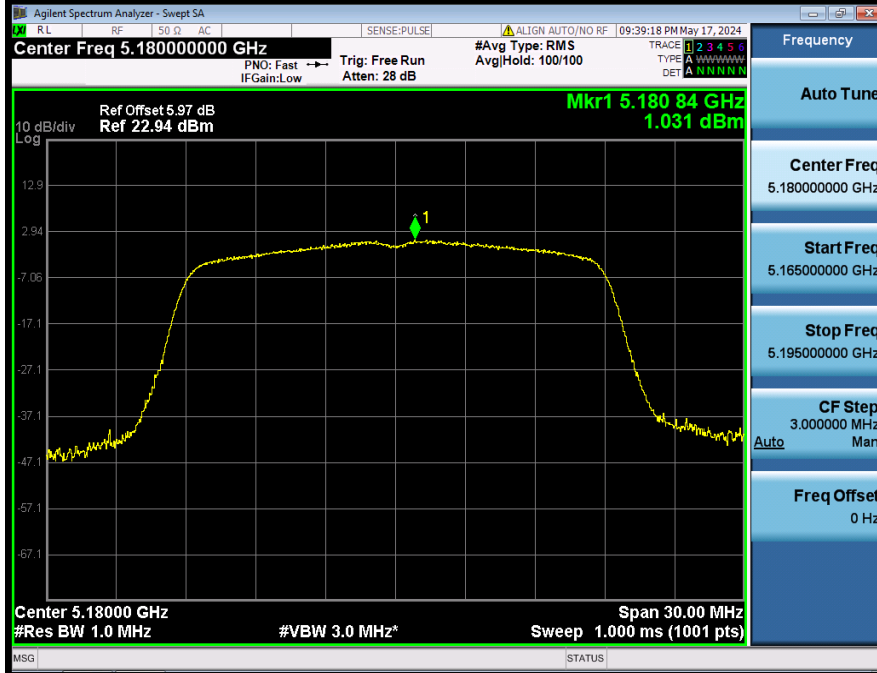


## Power Spectral Density NVNT\_ANT2\_802\_11ac(VHT40)\_5190

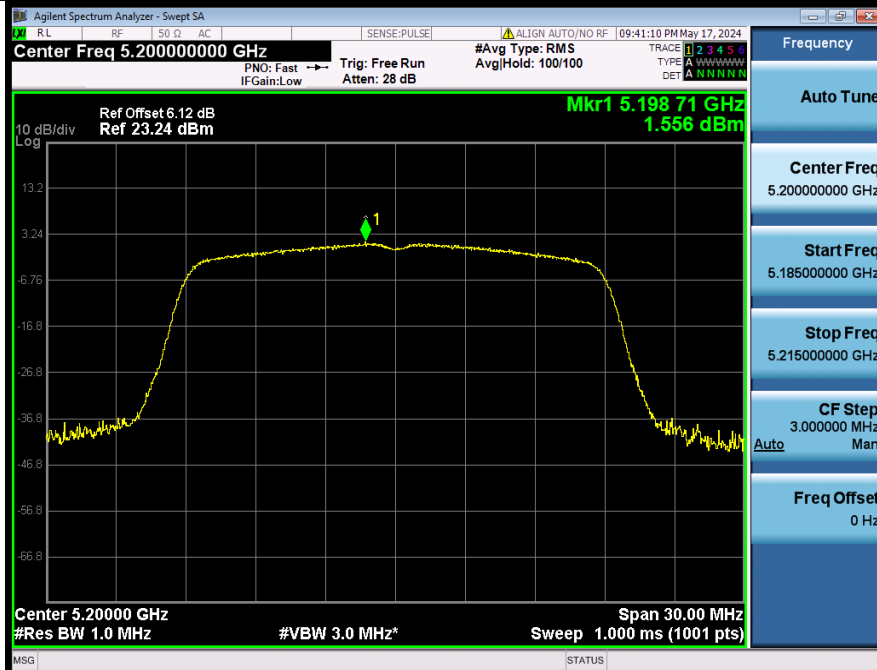


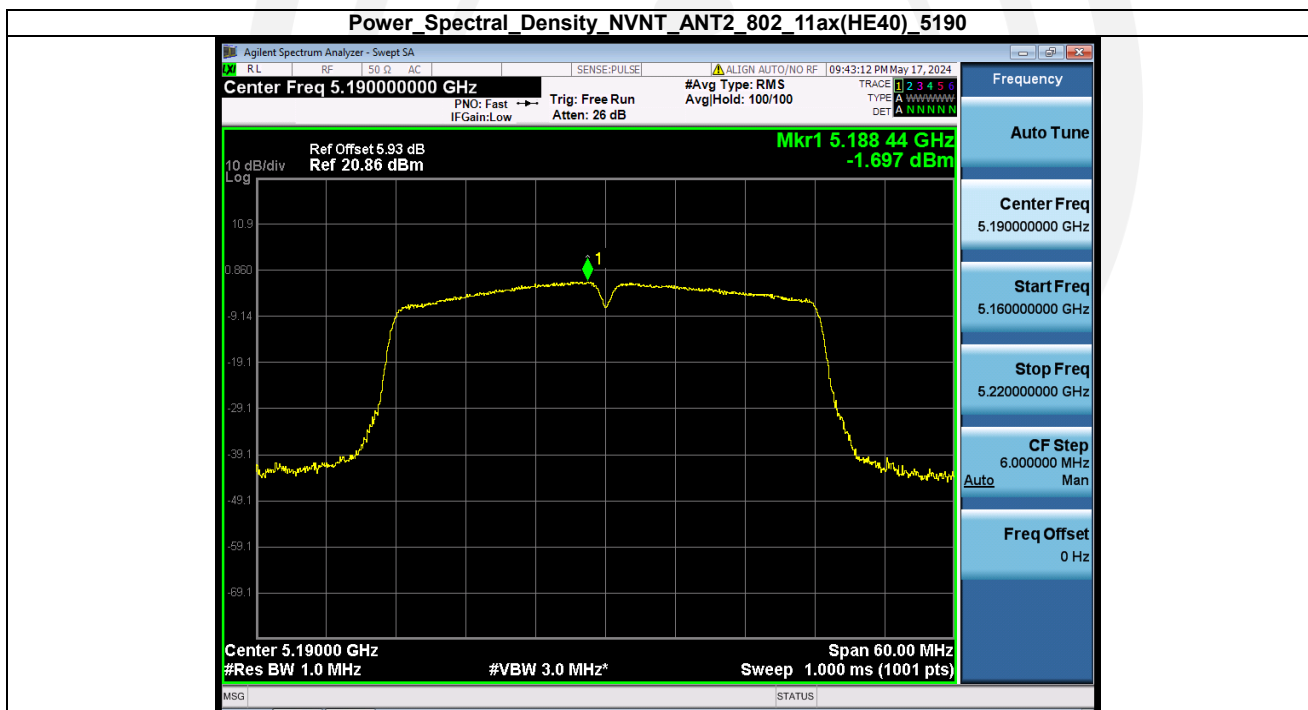


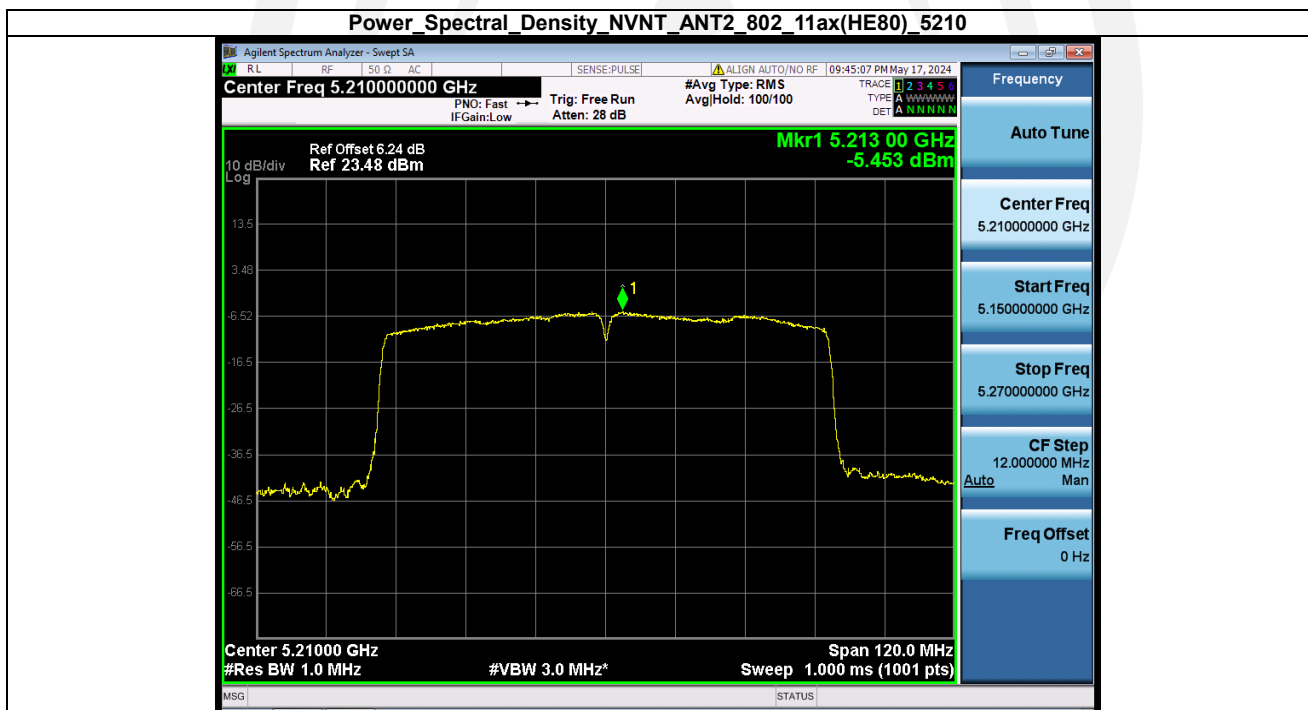
## Power Spectral Density NVNT\_ANT2\_802\_11ax(HE20)\_5180



## Power Spectral Density NVNT\_ANT2\_802\_11ax(HE20)\_5200







**Band 2 (5260-5320 MHz) SISO:**

| Antenna | Modulation      | Frequency (MHz) | PSD(dBm/MHz) | Duty factor(dB) | Total PSD(dBm/MHz) | limit(dBm) | Result |
|---------|-----------------|-----------------|--------------|-----------------|--------------------|------------|--------|
| ANT1    | 802.11a         | 5260.00         | 2.62         | 0.12            | 2.74               | 11         | Pass   |
| ANT1    | 802.11a         | 5300.00         | 1.84         | 0.12            | 1.96               | 11         | Pass   |
| ANT1    | 802.11a         | 5320.00         | 1.84         | 0.00            | 1.84               | 11         | Pass   |
| ANT1    | 802.11n(HT20)   | 5260.00         | 2.07         | 0.13            | 2.20               | 11         | Pass   |
| ANT1    | 802.11n(HT20)   | 5300.00         | 3.11         | 0.13            | 3.24               | 11         | Pass   |
| ANT1    | 802.11n(HT20)   | 5320.00         | 3.17         | 0.00            | 3.17               | 11         | Pass   |
| ANT1    | 802.11ac(VHT20) | 5260.00         | 2.16         | 0.13            | 2.29               | 11         | Pass   |
| ANT1    | 802.11ac(VHT20) | 5300.00         | 3.19         | 0.13            | 3.32               | 11         | Pass   |
| ANT1    | 802.11ac(VHT20) | 5320.00         | 3.50         | 0.13            | 3.63               | 11         | Pass   |
| ANT1    | 802.11n(HT40)   | 5270.00         | 0.65         | 0.13            | 0.78               | 11         | Pass   |
| ANT1    | 802.11n(HT40)   | 5310.00         | -0.74        | 0.00            | -0.74              | 11         | Pass   |
| ANT1    | 802.11ac(VHT40) | 5270.00         | 0.54         | 0.26            | 0.80               | 11         | Pass   |
| ANT1    | 802.11ac(VHT40) | 5310.00         | 0.30         | 0.26            | 0.56               | 11         | Pass   |
| ANT1    | 802.11ac(VHT80) | 5290.00         | -3.21        | 0.51            | -2.70              | 11         | Pass   |
| ANT1    | 802.11ax(HE20)  | 5260.00         | 3.31         | 0.00            | 3.31               | 11         | Pass   |
| ANT1    | 802.11ax(HE20)  | 5300.00         | 3.69         | 0.13            | 3.82               | 11         | Pass   |
| ANT1    | 802.11ax(HE20)  | 5320.00         | 3.42         | 0.13            | 3.55               | 11         | Pass   |
| ANT1    | 802.11ax(HE40)  | 5270.00         | 0.33         | 0.13            | 0.46               | 11         | Pass   |
| ANT1    | 802.11ax(HE40)  | 5310.00         | 0.24         | 0.26            | 0.50               | 11         | Pass   |
| ANT1    | 802.11ax(HE80)  | 5290.00         | -3.15        | 0.51            | -2.64              | 11         | Pass   |

| Antenna | Modulation      | Frequency (MHz) | PSD(dBm/MHz) | Duty factor(dB) | Total PSD(dBm/MHz) | limit(dBm) | Result |
|---------|-----------------|-----------------|--------------|-----------------|--------------------|------------|--------|
| ANT2    | 802.11a         | 5260.00         | 3.15         | 0.12            | 3.27               | 11         | Pass   |
| ANT2    | 802.11a         | 5300.00         | 3.03         | 0.12            | 3.15               | 11         | Pass   |
| ANT2    | 802.11a         | 5320.00         | 2.97         | 0.12            | 3.09               | 11         | Pass   |
| ANT2    | 802.11n(HT20)   | 5260.00         | 2.28         | 0.13            | 2.41               | 11         | Pass   |
| ANT2    | 802.11n(HT20)   | 5300.00         | 2.36         | 0.00            | 2.36               | 11         | Pass   |
| ANT2    | 802.11n(HT20)   | 5320.00         | 2.17         | 0.13            | 2.30               | 11         | Pass   |
| ANT2    | 802.11ac(VHT20) | 5260.00         | 2.33         | 0.13            | 2.46               | 11         | Pass   |
| ANT2    | 802.11ac(VHT20) | 5300.00         | 2.28         | 0.00            | 2.28               | 11         | Pass   |
| ANT2    | 802.11ac(VHT20) | 5320.00         | 2.22         | 0.13            | 2.35               | 11         | Pass   |
| ANT2    | 802.11n(HT40)   | 5270.00         | -0.67        | 0.26            | -0.41              | 11         | Pass   |
| ANT2    | 802.11n(HT40)   | 5310.00         | -0.68        | 0.26            | -0.42              | 11         | Pass   |
| ANT2    | 802.11ac(VHT40) | 5270.00         | -0.10        | 0.00            | -0.10              | 11         | Pass   |
| ANT2    | 802.11ac(VHT40) | 5310.00         | -0.73        | 0.13            | -0.60              | 11         | Pass   |
| ANT2    | 802.11ac(VHT80) | 5290.00         | -3.94        | 0.51            | -3.43              | 11         | Pass   |
| ANT2    | 802.11ax(HE20)  | 5260.00         | 2.34         | 0.13            | 2.47               | 11         | Pass   |
| ANT2    | 802.11ax(HE20)  | 5300.00         | 2.23         | 0.13            | 2.36               | 11         | Pass   |
| ANT2    | 802.11ax(HE20)  | 5320.00         | 2.46         | 0.13            | 2.59               | 11         | Pass   |
| ANT2    | 802.11ax(HE40)  | 5270.00         | -0.59        | 0.26            | -0.33              | 11         | Pass   |
| ANT2    | 802.11ax(HE40)  | 5310.00         | -0.88        | 0.26            | -0.62              | 11         | Pass   |
| ANT2    | 802.11ax(HE80)  | 5290.00         | -3.76        | 0.51            | -3.25              | 11         | Pass   |

**MIMO:**

| Antenna | Modulation      | Frequency (MHz) | ANT1 PSD(dBm/MHz) | ANT2 PSD(dBm/MHz) | Total PSD(dBm/MHz) | limit(dBm) | Result |
|---------|-----------------|-----------------|-------------------|-------------------|--------------------|------------|--------|
| ANT1+2  | 802.11n(HT20)   | 5260.00         | 2.20              | 2.41              | 5.32               | 11         | Pass   |
| ANT1+2  | 802.11n(HT20)   | 5300.00         | 3.24              | 2.36              | 5.83               | 11         | Pass   |
| ANT1+2  | 802.11n(HT20)   | 5320.00         | 3.17              | 2.30              | 5.77               | 11         | Pass   |
| ANT1+2  | 802.11ac(VHT20) | 5260.00         | 2.29              | 2.46              | 5.39               | 11         | Pass   |
| ANT1+2  | 802.11ac(VHT20) | 5300.00         | 3.32              | 2.28              | 5.84               | 11         | Pass   |
| ANT1+2  | 802.11ac(VHT20) | 5320.00         | 3.63              | 2.35              | 6.05               | 11         | Pass   |
| ANT1+2  | 802.11n(HT40)   | 5270.00         | 0.78              | -0.41             | 3.24               | 11         | Pass   |
| ANT1+2  | 802.11n(HT40)   | 5310.00         | -0.74             | -0.42             | 2.43               | 11         | Pass   |
| ANT1+2  | 802.11ac(VHT40) | 5270.00         | 0.80              | -0.10             | 3.38               | 11         | Pass   |
| ANT1+2  | 802.11ac(VHT40) | 5310.00         | 0.56              | -0.60             | 3.03               | 11         | Pass   |
| ANT1+2  | 802.11ac(VHT80) | 5290.00         | -2.70             | -3.43             | -0.04              | 11         | Pass   |
| ANT1+2  | 802.11ax(HE20)  | 5260.00         | 3.31              | 2.47              | 5.92               | 11         | Pass   |
| ANT1+2  | 802.11ax(HE20)  | 5300.00         | 3.82              | 2.36              | 6.16               | 11         | Pass   |
| ANT1+2  | 802.11ax(HE20)  | 5320.00         | 3.55              | 2.59              | 6.11               | 11         | Pass   |
| ANT1+2  | 802.11ax(HE40)  | 5270.00         | 0.46              | -0.33             | 3.09               | 11         | Pass   |
| ANT1+2  | 802.11ax(HE40)  | 5310.00         | 0.50              | -0.62             | 2.99               | 11         | Pass   |
| ANT1+2  | 802.11ax(HE80)  | 5290.00         | -2.64             | -3.25             | 0.08               | 11         | Pass   |

