



Appendix B

RF Test Data for 5.2GWIFI (Conducted Measurement)

Product Name: WiFi6 AX3000 Router

Test Model: WiFi6 AX3000

Environmental Conditions

| | |
|--------------------|------------|
| Temperature: | 23.8° C |
| Relative Humidity: | 52.1% |
| ATM Pressure: | 100.0 kPa |
| Test Engineer: | Paddi Chen |
| Supervised by: | Nick Peng |





B.1 -26dB Bandwidth

| Condition | Mode | Frequency (MHz) | Antenna | -26 dB Bandwidth (MHz) | Limit -26 dB Bandwidth (MHz) | Verdict |
|-----------|------|-----------------|---------|------------------------|------------------------------|---------|
| NVNT | a | 5180 | Ant0 | 21.16 | >=0.5 | Pass |
| NVNT | a | 5200 | Ant0 | 21.646 | >=0.5 | Pass |
| NVNT | a | 5240 | Ant0 | 28.872 | >=0.5 | Pass |
| NVNT | n20 | 5180 | Ant0 | 21.745 | >=0.5 | Pass |
| NVNT | n20 | 5200 | Ant0 | 22.136 | >=0.5 | Pass |
| NVNT | n20 | 5240 | Ant0 | 23.878 | >=0.5 | Pass |
| NVNT | n40 | 5190 | Ant0 | 40.793 | >=0.5 | Pass |
| NVNT | n40 | 5230 | Ant0 | 48.998 | >=0.5 | Pass |
| NVNT | ac20 | 5180 | Ant0 | 20.555 | >=0.5 | Pass |
| NVNT | ac20 | 5200 | Ant0 | 21.284 | >=0.5 | Pass |
| NVNT | ac20 | 5240 | Ant0 | 24.162 | >=0.5 | Pass |
| NVNT | ac40 | 5190 | Ant0 | 40.164 | >=0.5 | Pass |
| NVNT | ac40 | 5230 | Ant0 | 42.774 | >=0.5 | Pass |
| NVNT | ac80 | 5210 | Ant0 | 80.202 | >=0.5 | Pass |
| NVNT | ax20 | 5180 | Ant0 | 22.238 | >=0.5 | Pass |
| NVNT | ax20 | 5200 | Ant0 | 20.872 | >=0.5 | Pass |
| NVNT | ax20 | 5240 | Ant0 | 24.304 | >=0.5 | Pass |
| NVNT | ax40 | 5190 | Ant0 | 39.832 | >=0.5 | Pass |
| NVNT | ax40 | 5230 | Ant0 | 45.369 | >=0.5 | Pass |
| NVNT | ax80 | 5210 | Ant0 | 79.266 | >=0.5 | Pass |

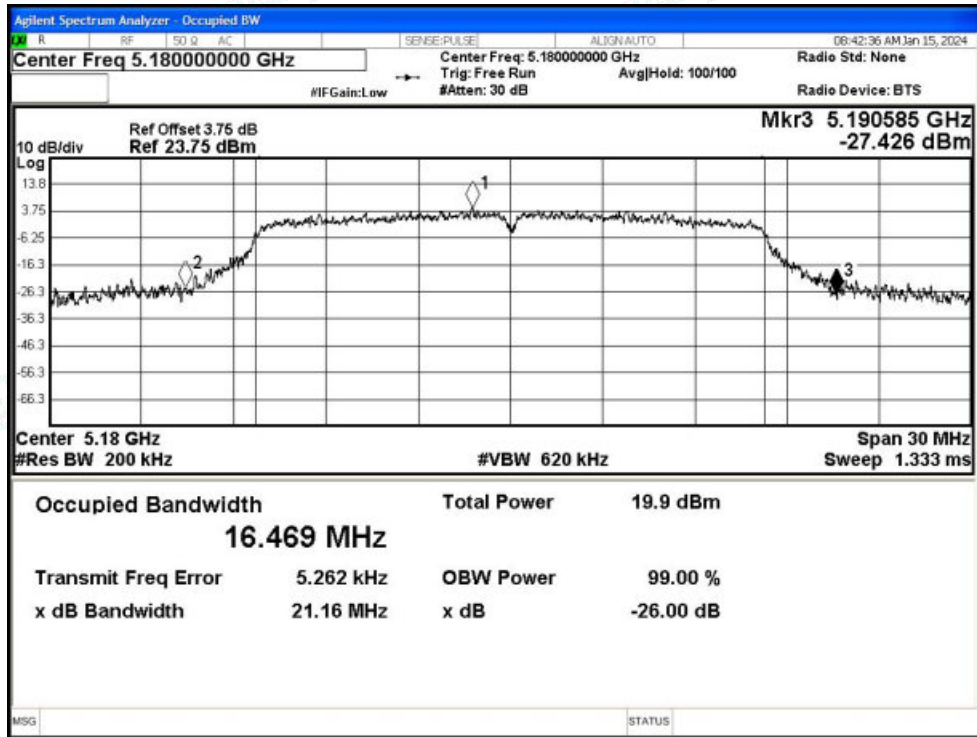


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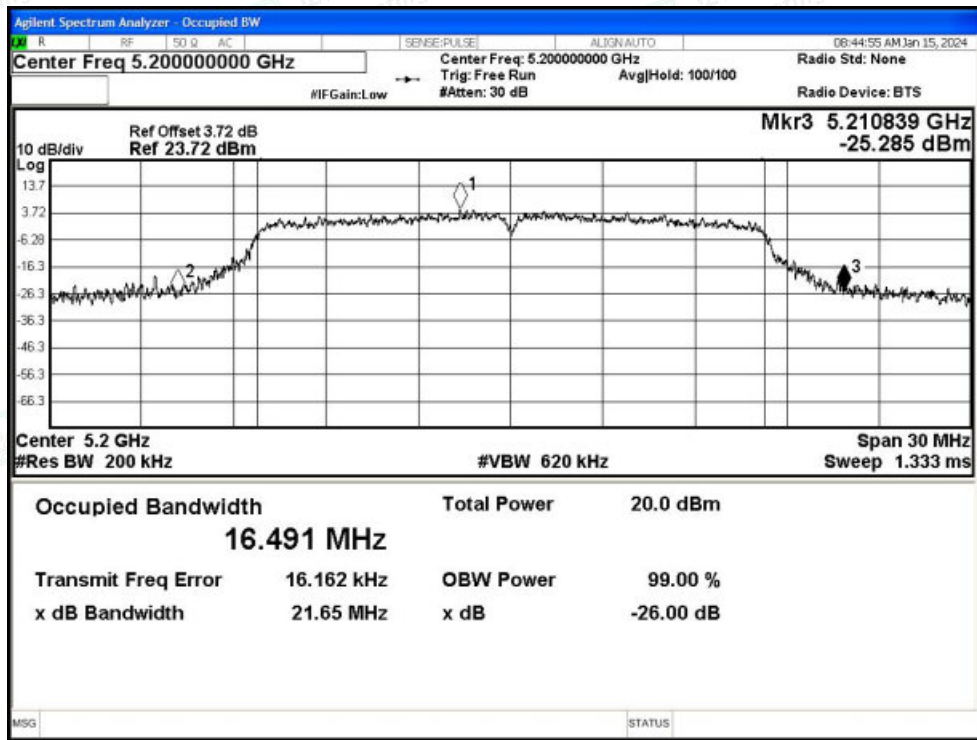


Test Graphs

-26dB Bandwidth NVNT a 5180MHz Ant0

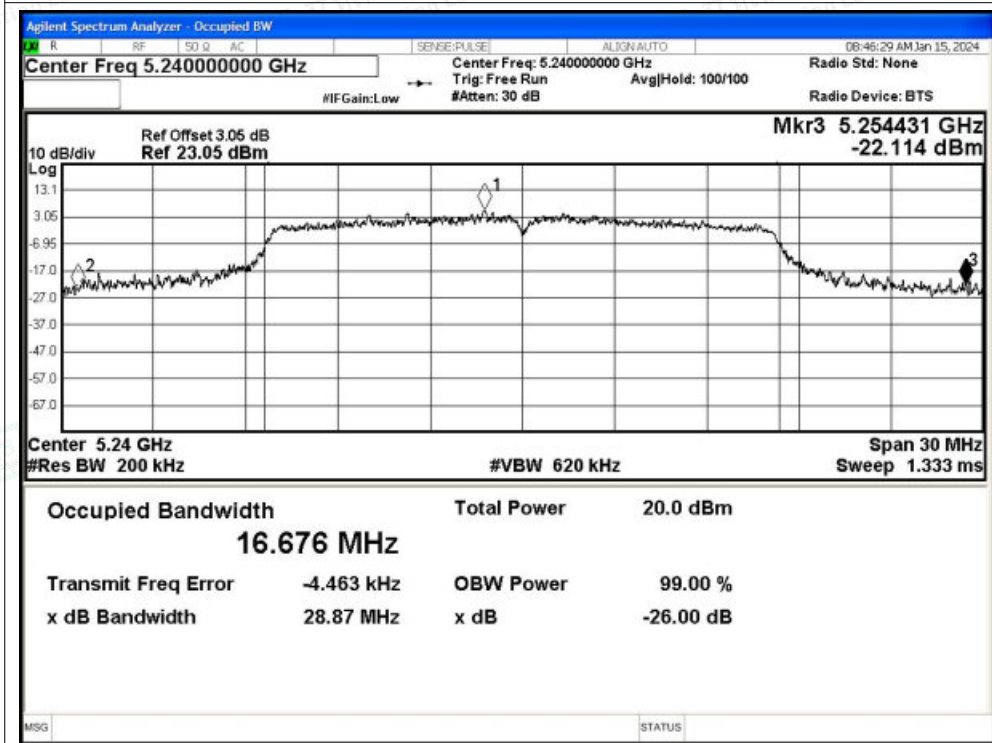


-26dB Bandwidth NVNT a 5200MHz Ant0





-26dB Bandwidth NVNT a 5240MHz Ant0

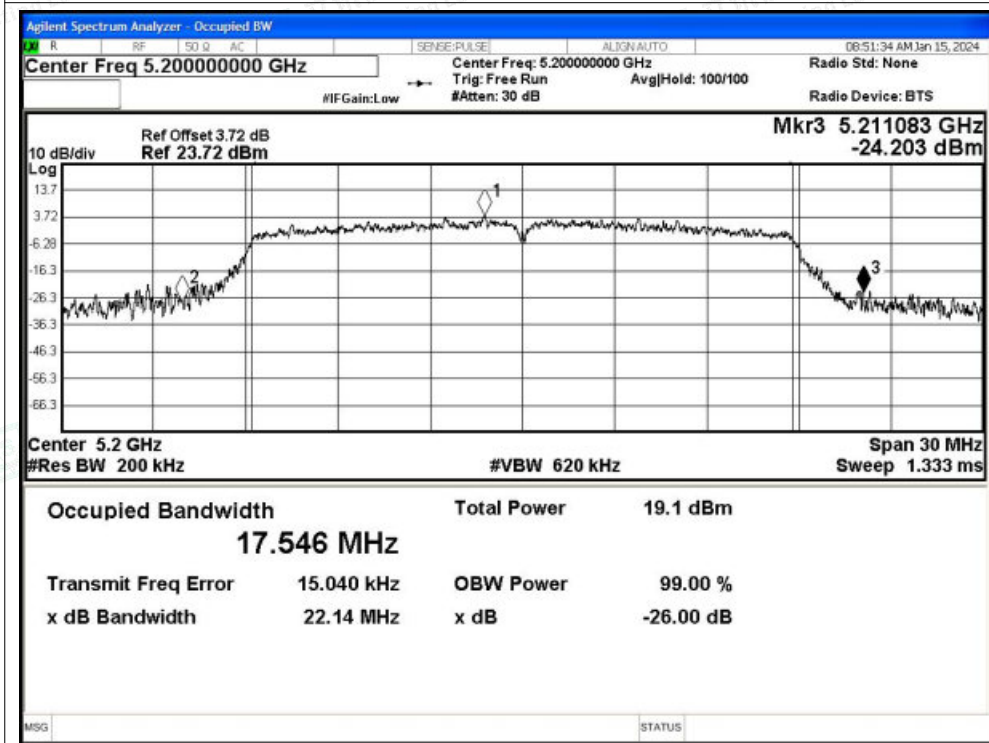


-26dB Bandwidth NVNT n20 5180MHz Ant0

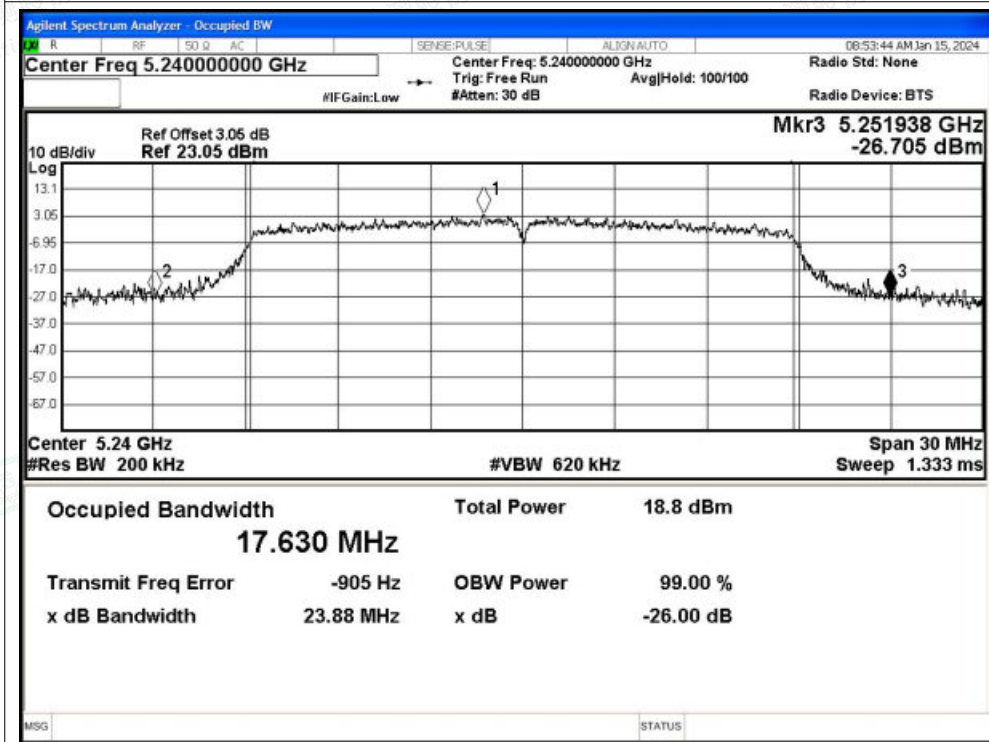




-26dB Bandwidth NVNT n20 5200MHz Ant0

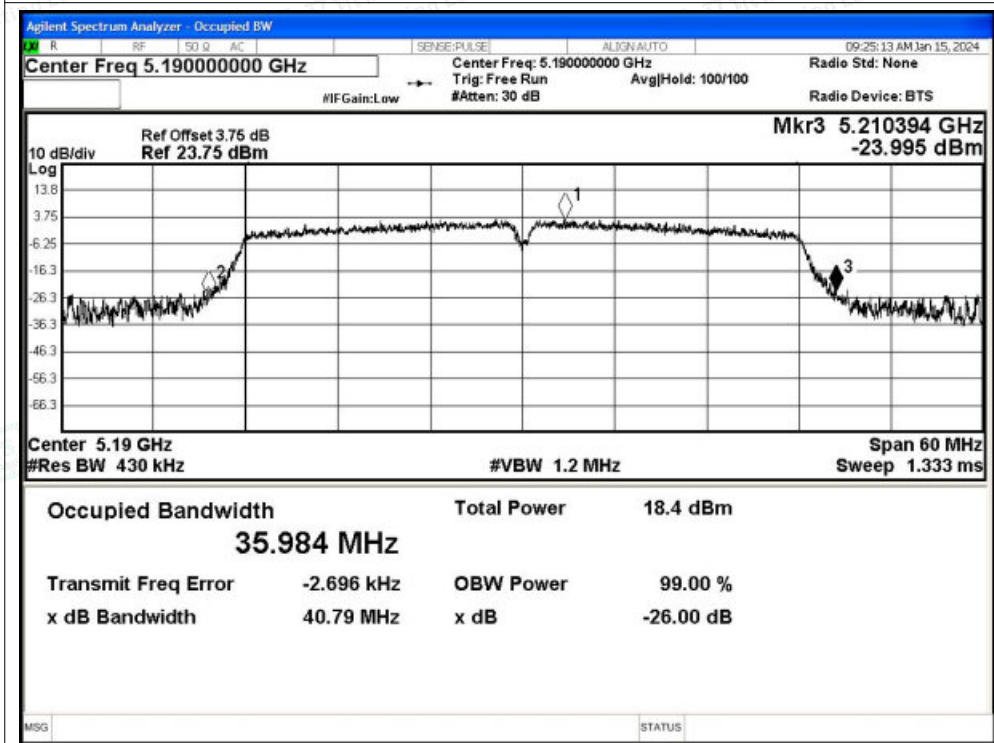


-26dB Bandwidth NVNT n20 5240MHz Ant0

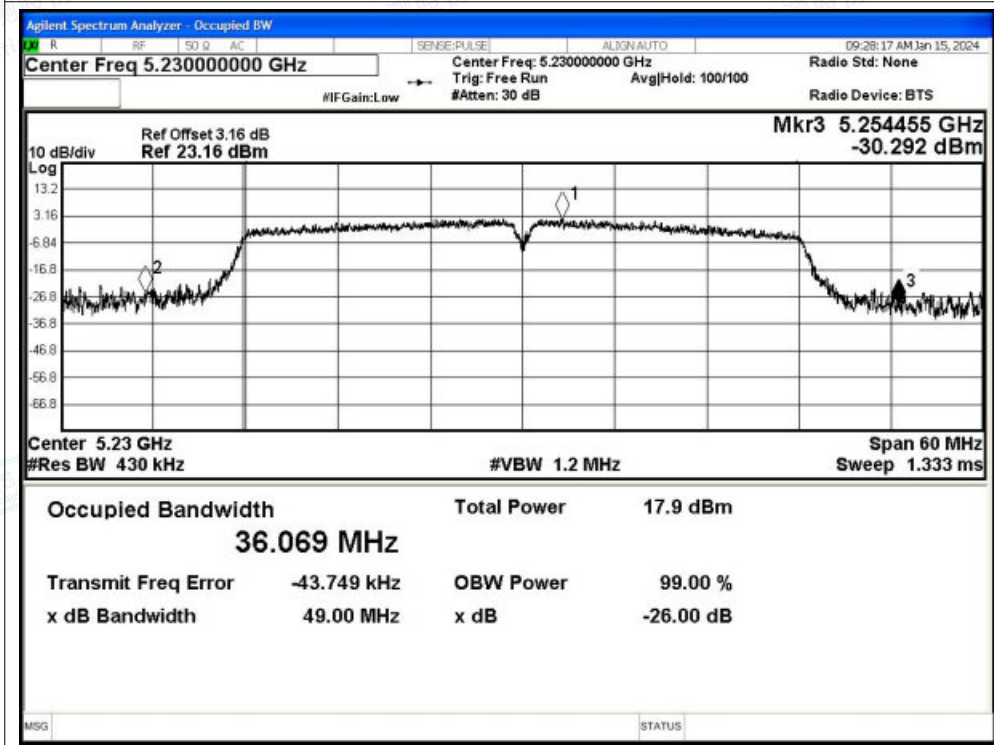




-26dB Bandwidth NVNT n40 5190MHz Ant0



-26dB Bandwidth NVNT n40 5230MHz Ant0

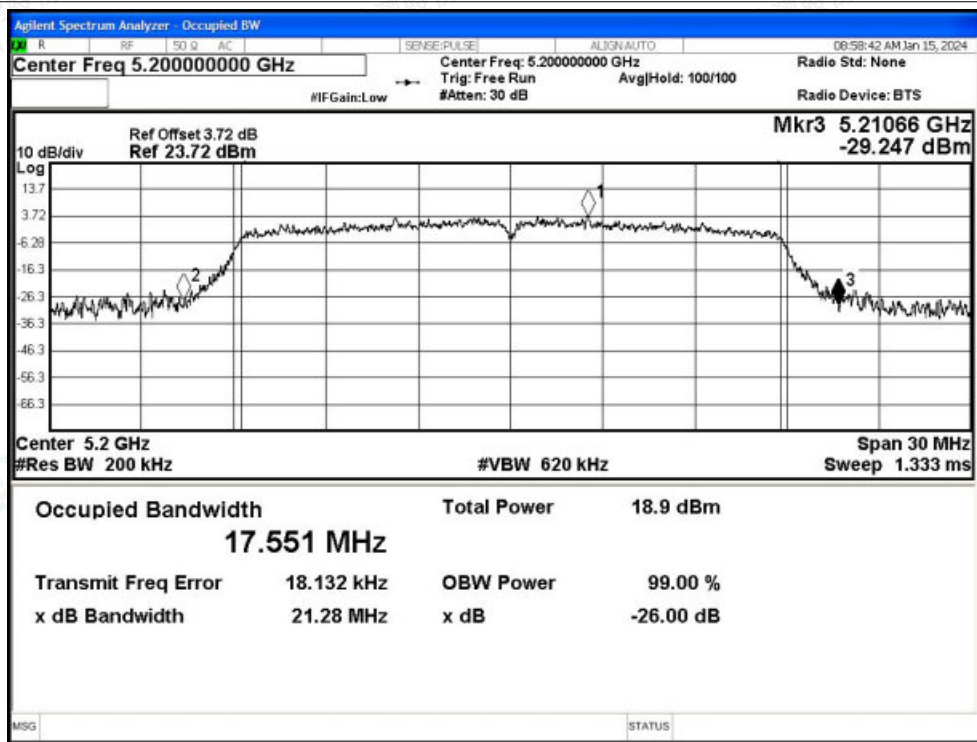




-26dB Bandwidth NVNT ac20 5180MHz Ant0

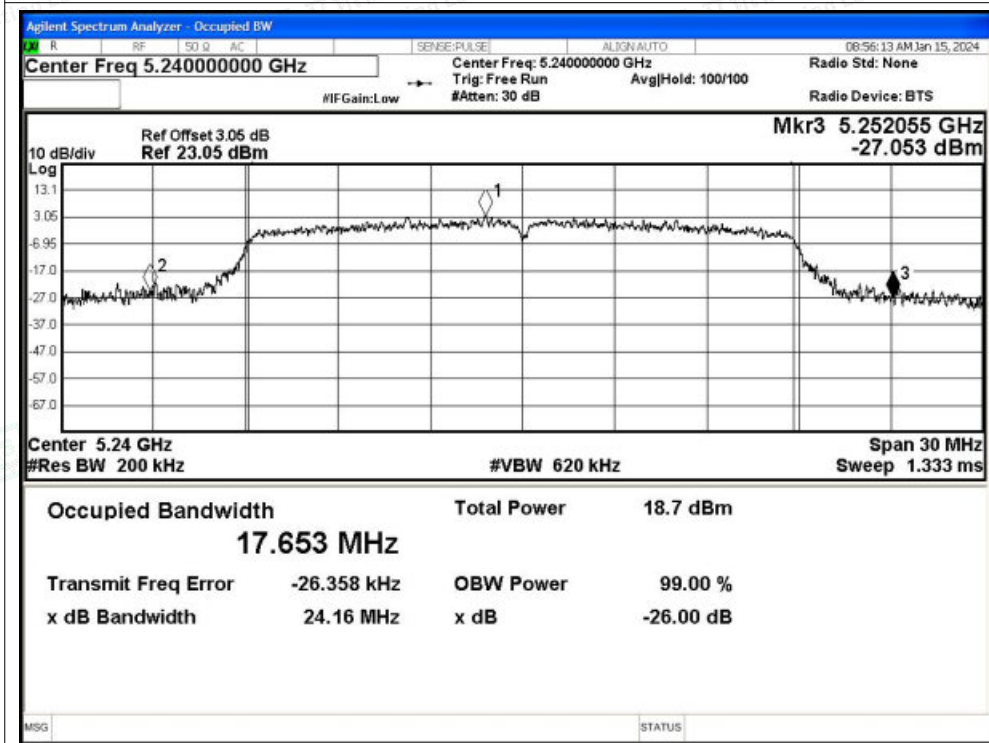


-26dB Bandwidth NVNT ac20 5200MHz Ant0

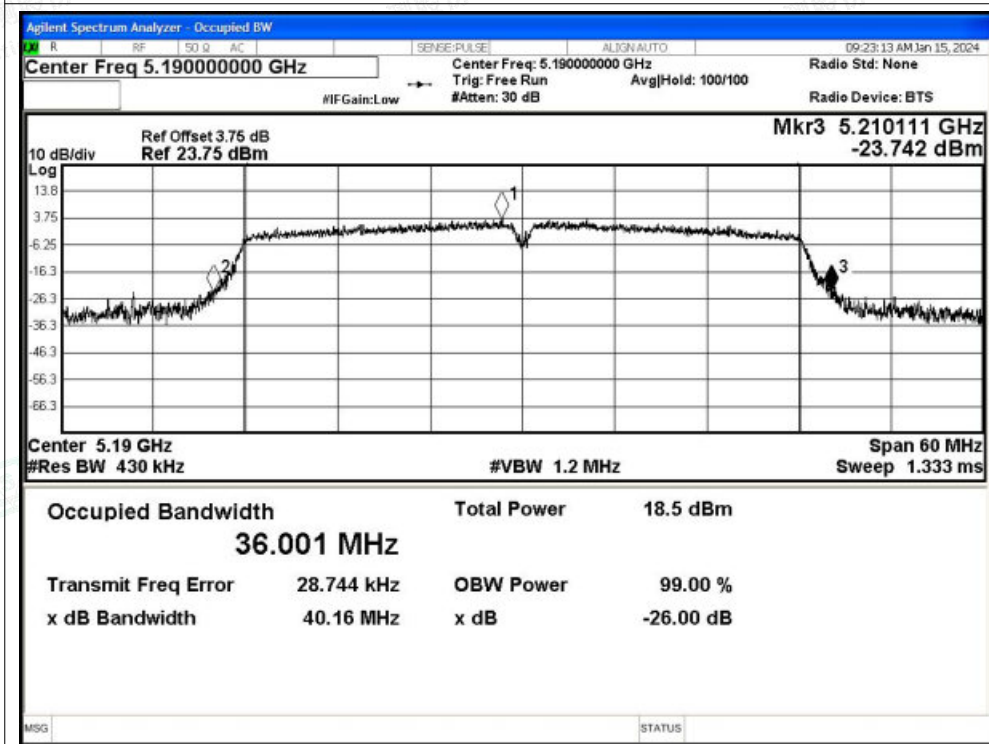




-26dB Bandwidth NVNT ac20 5240MHz Ant0

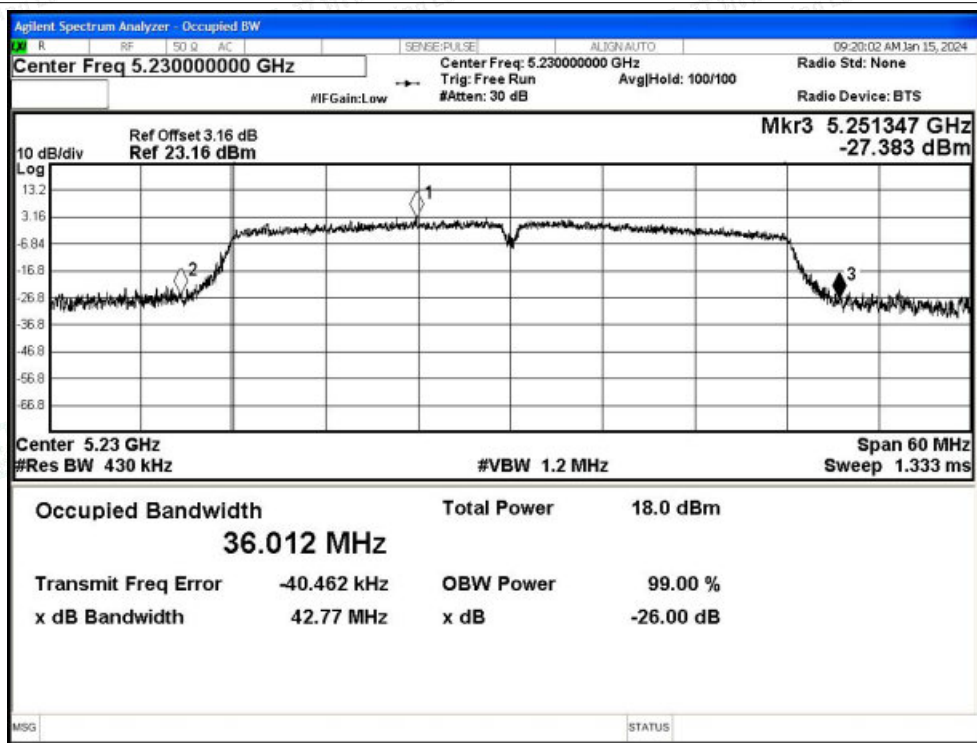


-26dB Bandwidth NVNT ac40 5190MHz Ant0

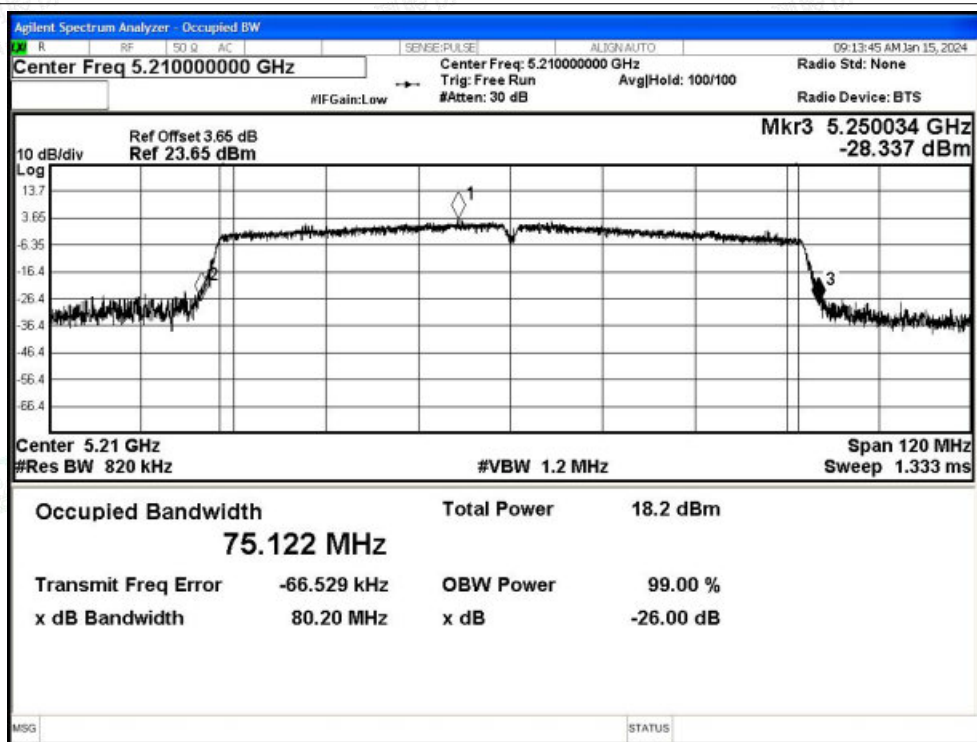




-26dB Bandwidth NVNT ac40 5230MHz Ant0



-26dB Bandwidth NVNT ac80 5210MHz Ant0

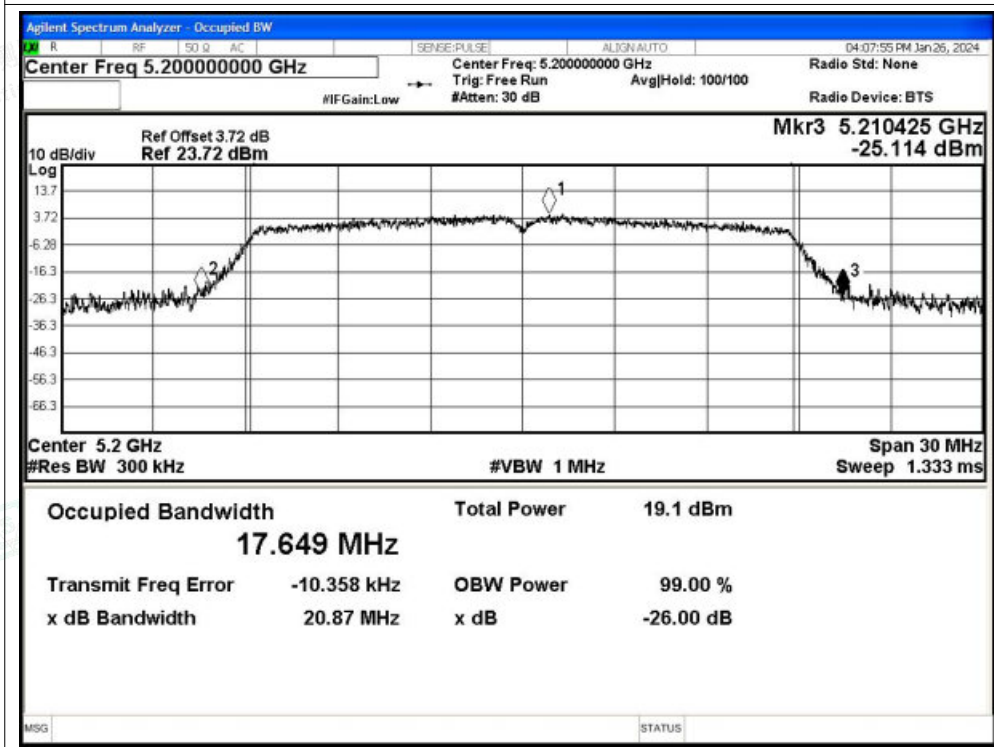


-26dB Bandwidth NVNT ax20 5180MHz Ant0



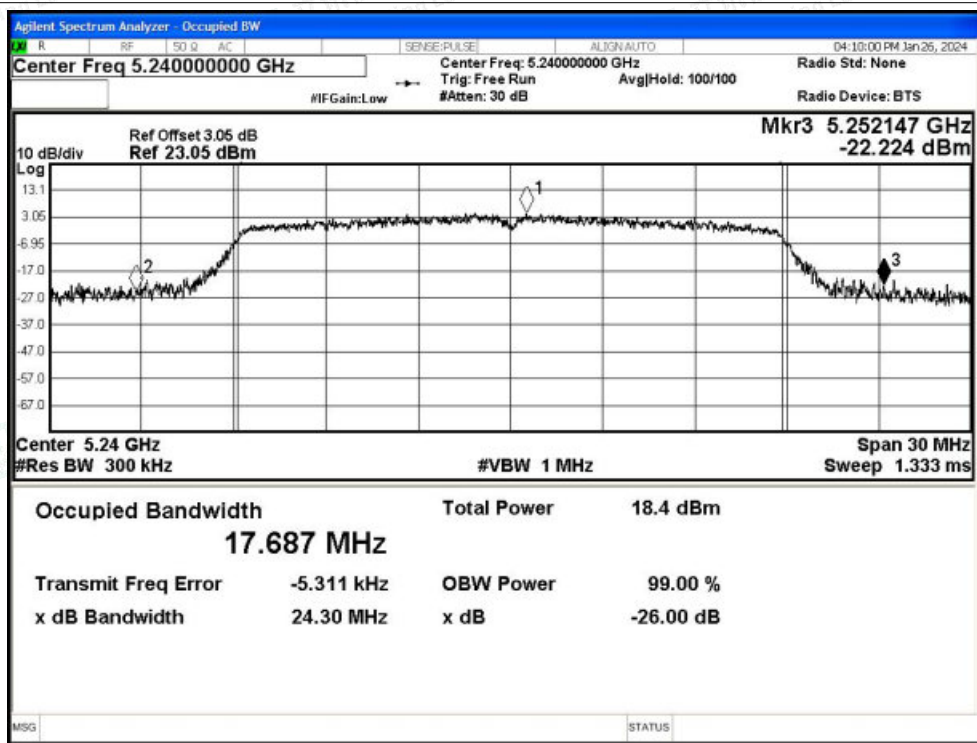


-26dB Bandwidth NVNT ax20 5200MHz Ant0

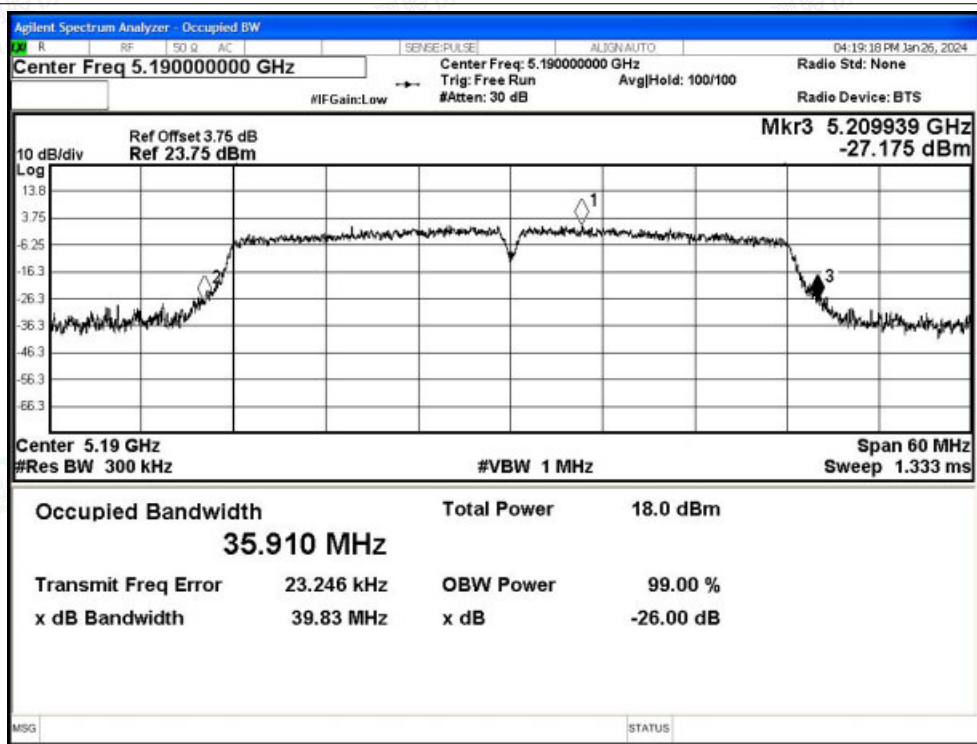




-26dB Bandwidth NVNT ax20 5240MHz Ant0

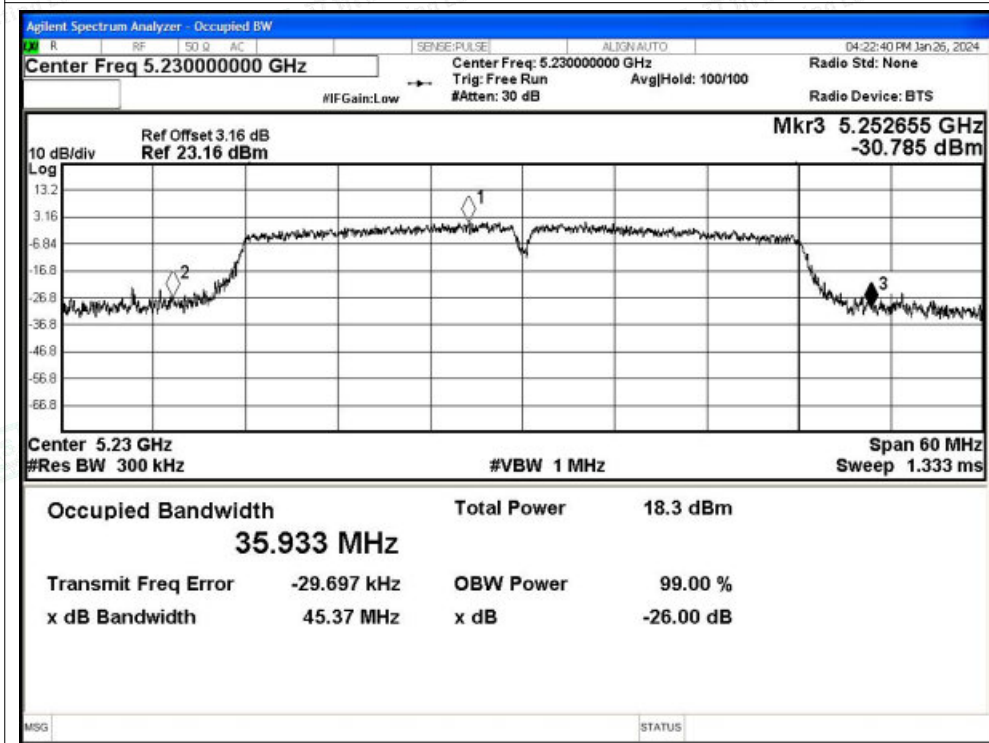


-26dB Bandwidth NVNT ax40 5190MHz Ant0

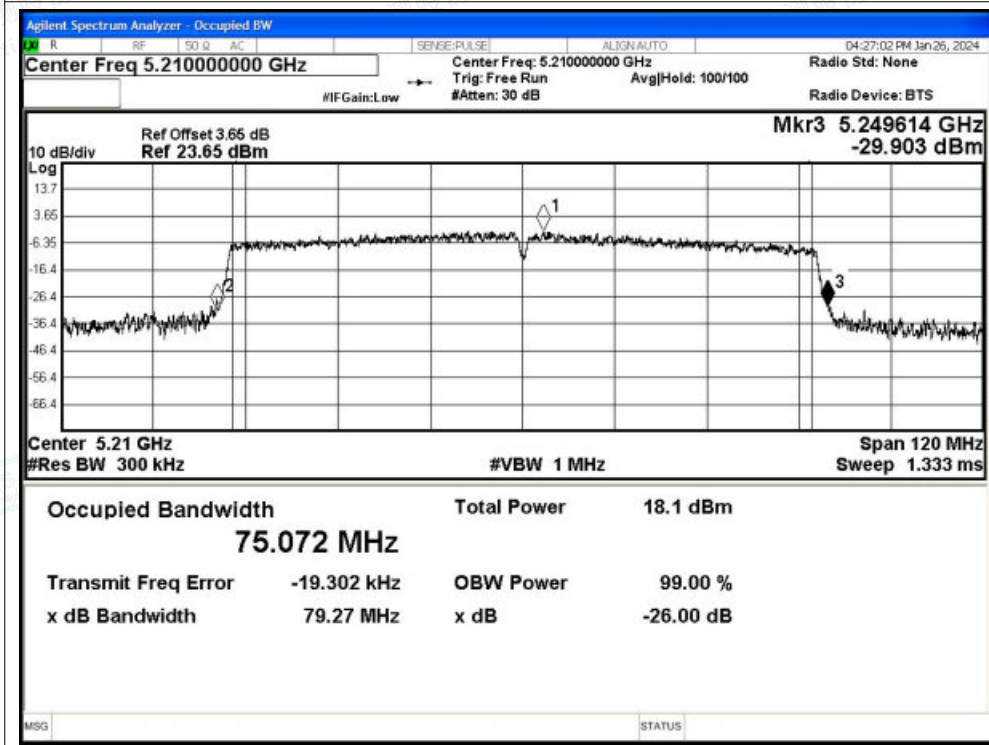




-26dB Bandwidth NVNT ax40 5230MHz Ant0



-26dB Bandwidth NVNT ax80 5210MHz Ant0





| Condition | Mode | Frequency (MHz) | Antenna | -26 dB Bandwidth (MHz) | Limit -26 dB Bandwidth (MHz) | Verdict |
|-----------|------|-----------------|---------|------------------------|------------------------------|---------|
| NVNT | a | 5180 | Ant1 | 20.062 | >=0.5 | Pass |
| NVNT | a | 5200 | Ant1 | 21.335 | >=0.5 | Pass |
| NVNT | a | 5240 | Ant1 | 28.099 | >=0.5 | Pass |
| NVNT | n20 | 5180 | Ant1 | 20.286 | >=0.5 | Pass |
| NVNT | n20 | 5200 | Ant1 | 20.093 | >=0.5 | Pass |
| NVNT | n20 | 5240 | Ant1 | 21.668 | >=0.5 | Pass |
| NVNT | n40 | 5190 | Ant1 | 40.607 | >=0.5 | Pass |
| NVNT | n40 | 5230 | Ant1 | 51.987 | >=0.5 | Pass |
| NVNT | ac20 | 5180 | Ant1 | 20.167 | >=0.5 | Pass |
| NVNT | ac20 | 5200 | Ant1 | 20.395 | >=0.5 | Pass |
| NVNT | ac20 | 5240 | Ant1 | 22.04 | >=0.5 | Pass |
| NVNT | ac40 | 5190 | Ant1 | 40.353 | >=0.5 | Pass |
| NVNT | ac40 | 5230 | Ant1 | 48.39 | >=0.5 | Pass |
| NVNT | ac80 | 5210 | Ant1 | 80.114 | >=0.5 | Pass |
| NVNT | ax20 | 5180 | Ant1 | 25.353 | >=0.5 | Pass |
| NVNT | ax20 | 5200 | Ant1 | 20.608 | >=0.5 | Pass |
| NVNT | ax20 | 5240 | Ant1 | 28.921 | >=0.5 | Pass |
| NVNT | ax40 | 5190 | Ant1 | 39.976 | >=0.5 | Pass |
| NVNT | ax40 | 5230 | Ant1 | 42.905 | >=0.5 | Pass |
| NVNT | ax80 | 5210 | Ant1 | 78.897 | >=0.5 | Pass |

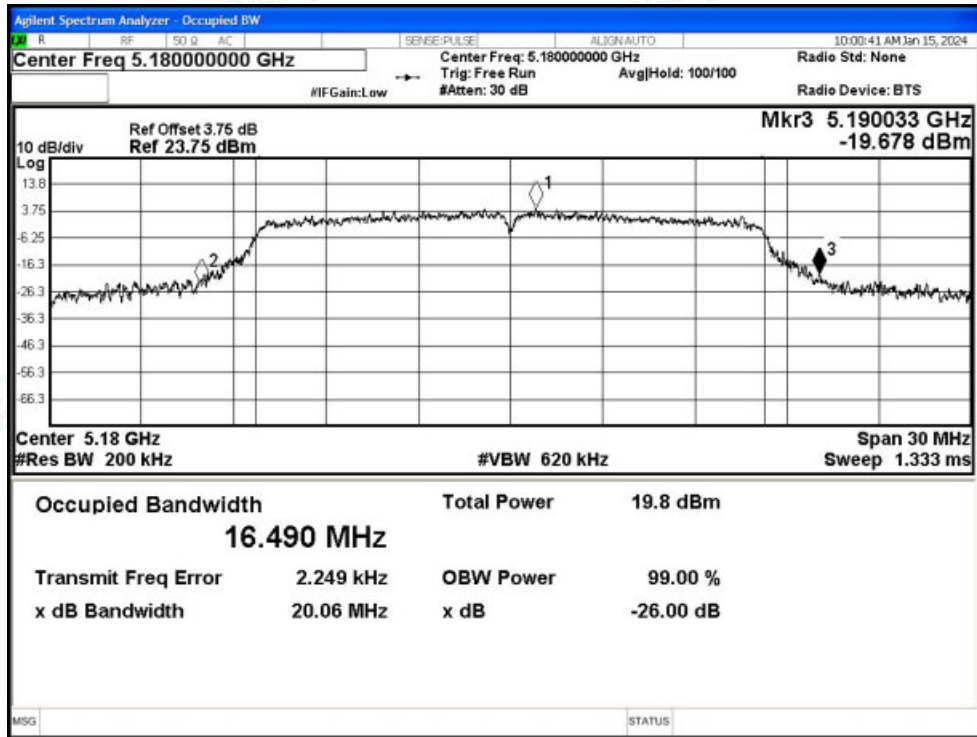


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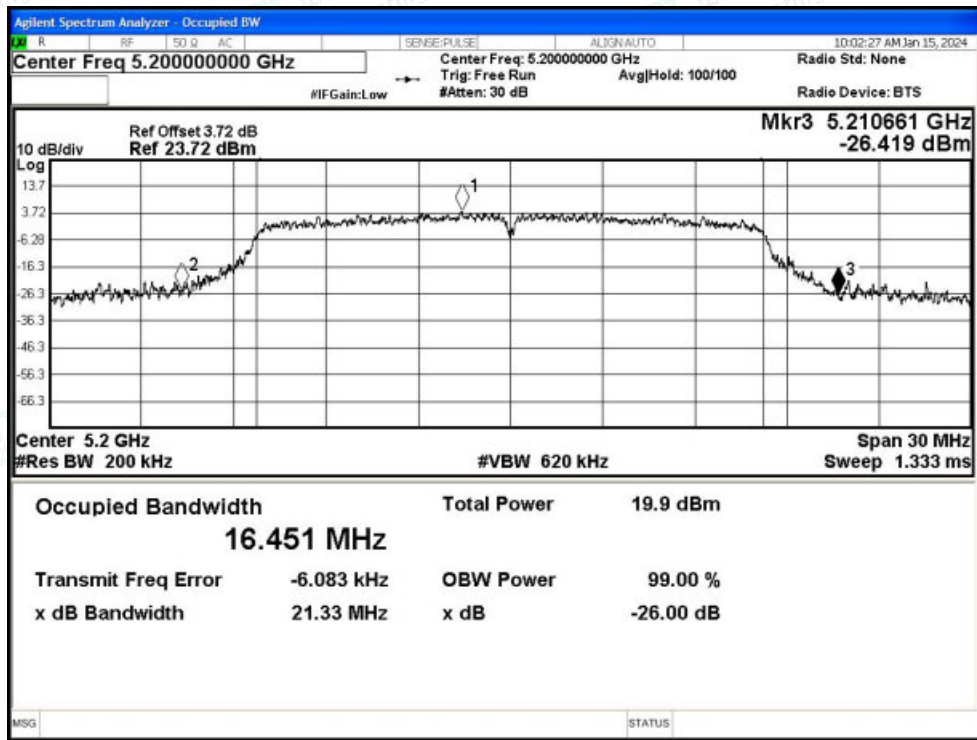


Test Graphs

-26dB Bandwidth NVNT a 5180MHz Ant1

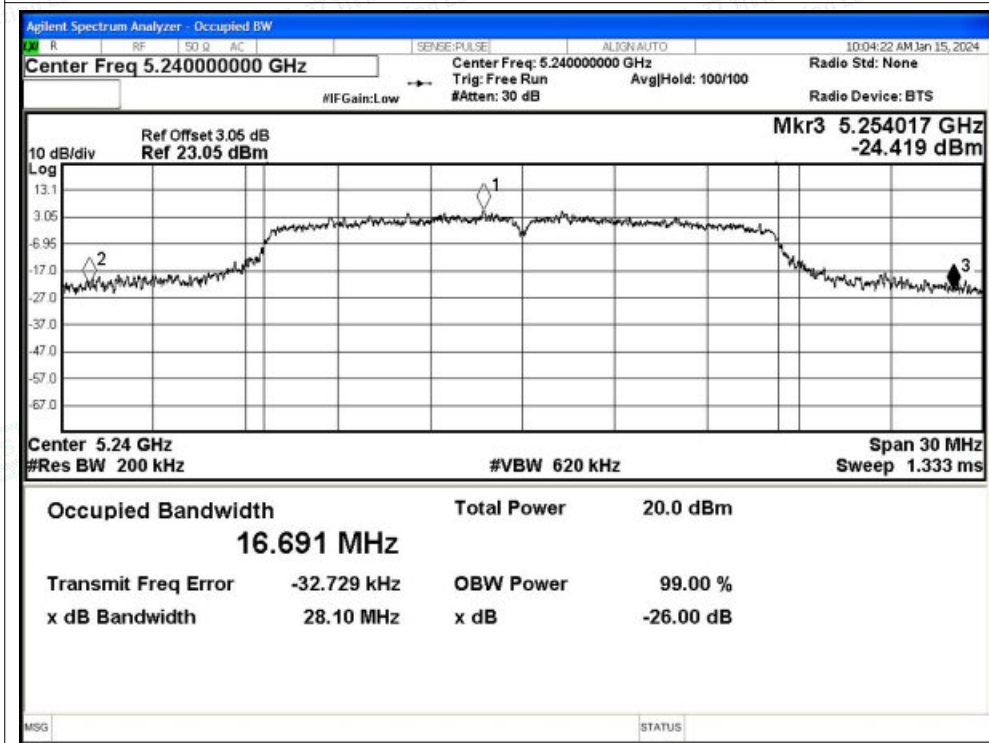


-26dB Bandwidth NVNT a 5200MHz Ant1





-26dB Bandwidth NVNT a 5240MHz Ant1



-26dB Bandwidth NVNT n20 5180MHz Ant1





-26dB Bandwidth NVNT n20 5200MHz Ant1

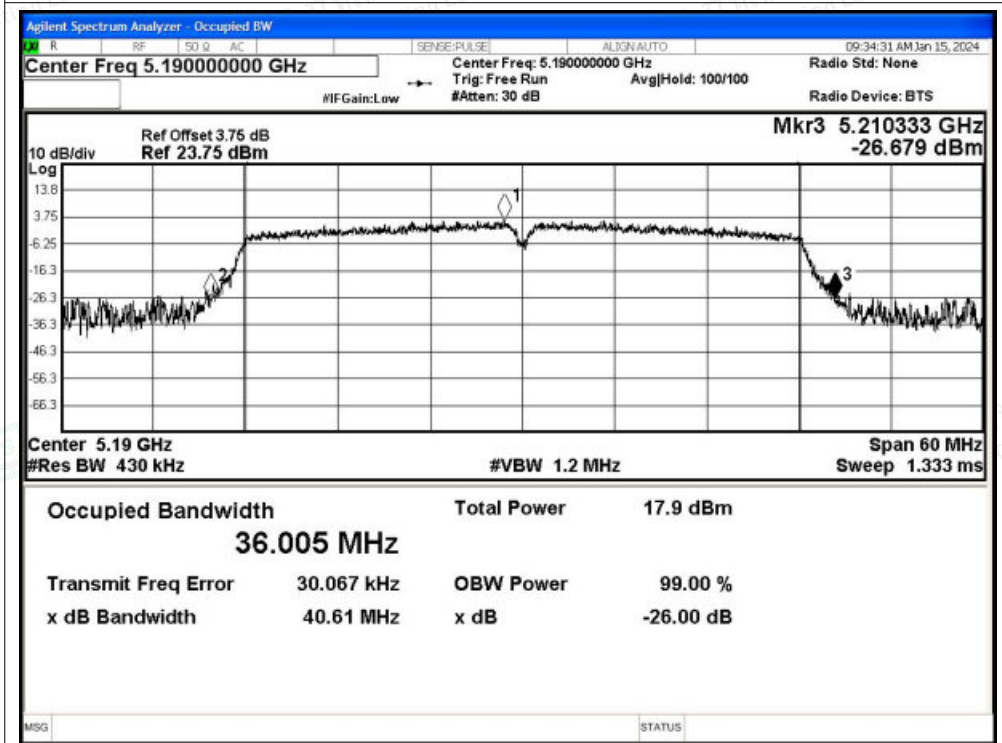


-26dB Bandwidth NVNT n20 5240MHz Ant1

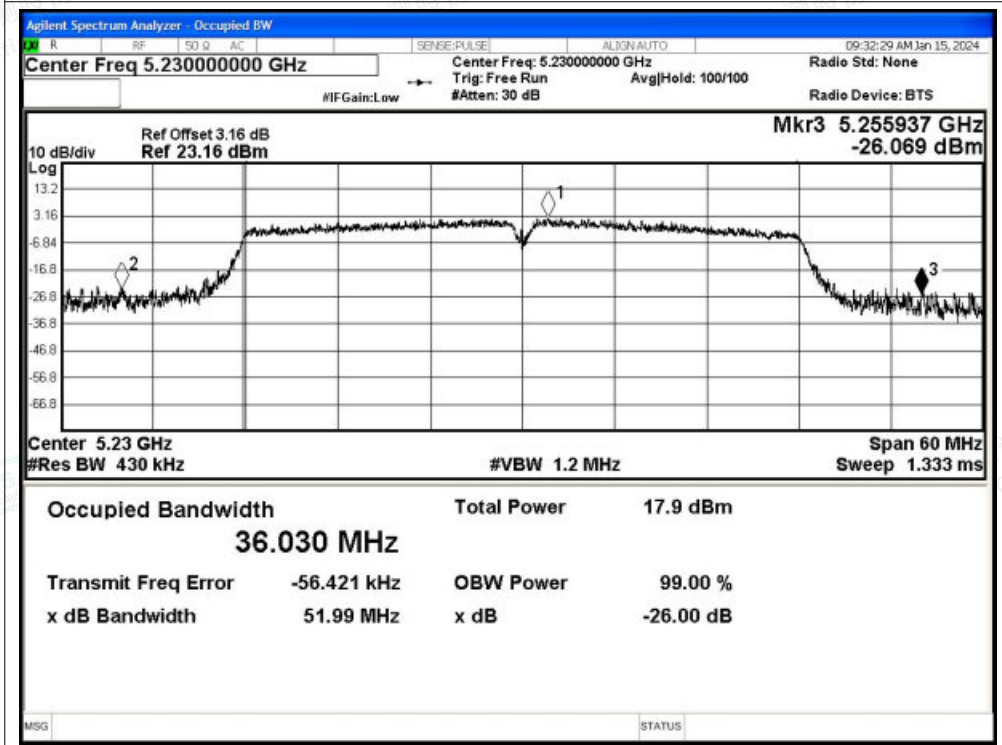




-26dB Bandwidth NVNT n40 5190MHz Ant1

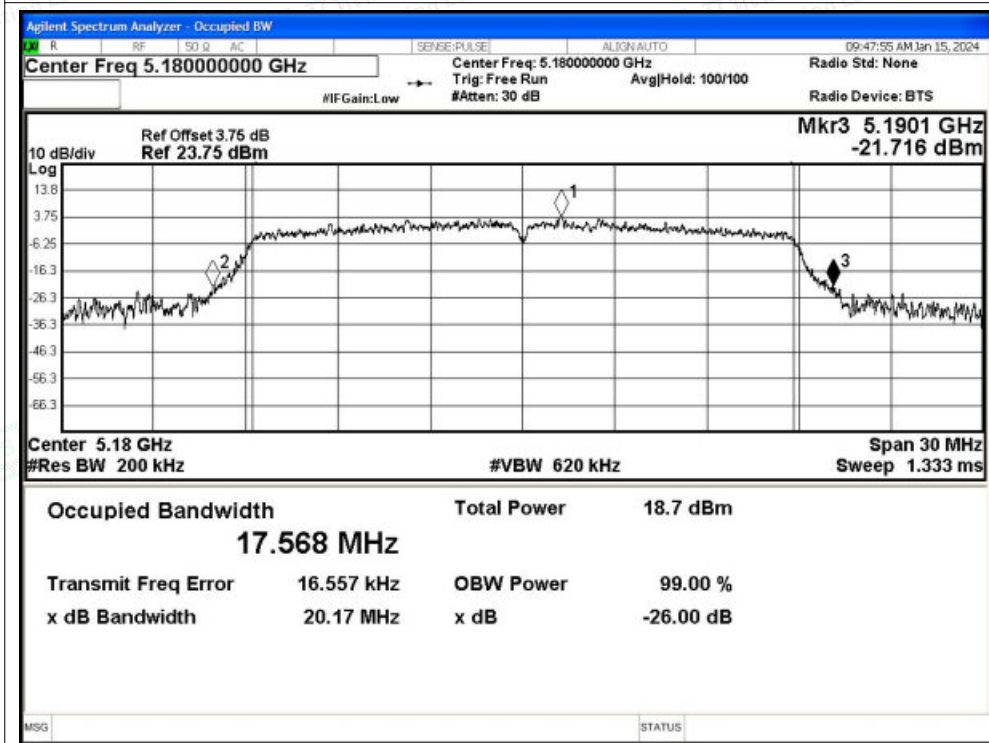


-26dB Bandwidth NVNT n40 5230MHz Ant1

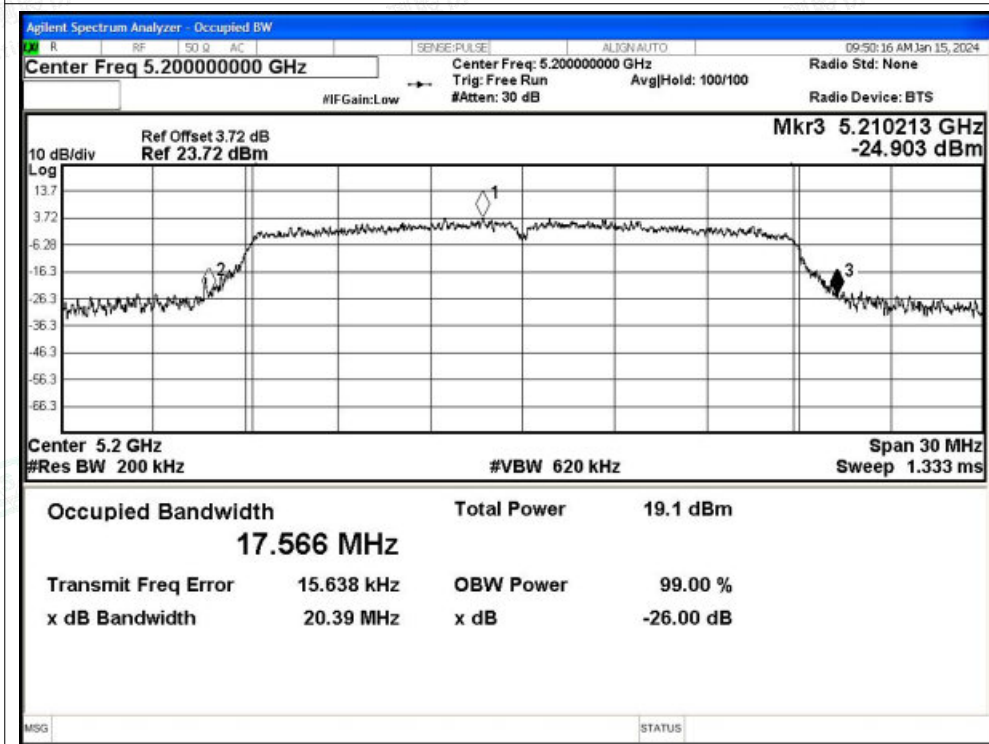




-26dB Bandwidth NVNT ac20 5180MHz Ant1

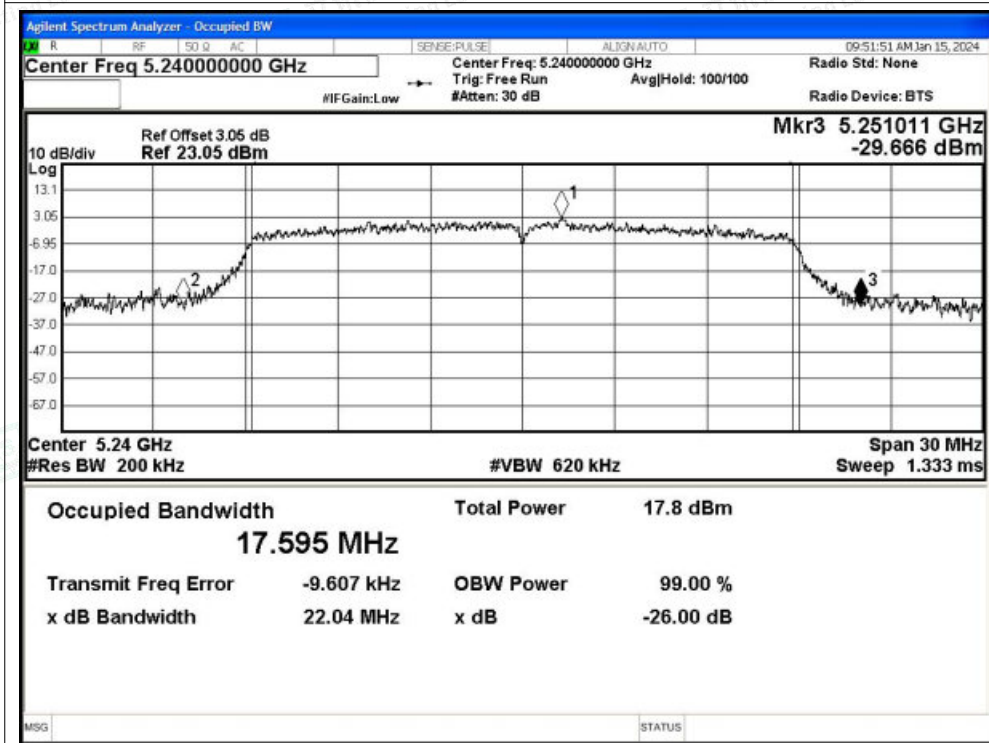


-26dB Bandwidth NVNT ac20 5200MHz Ant1

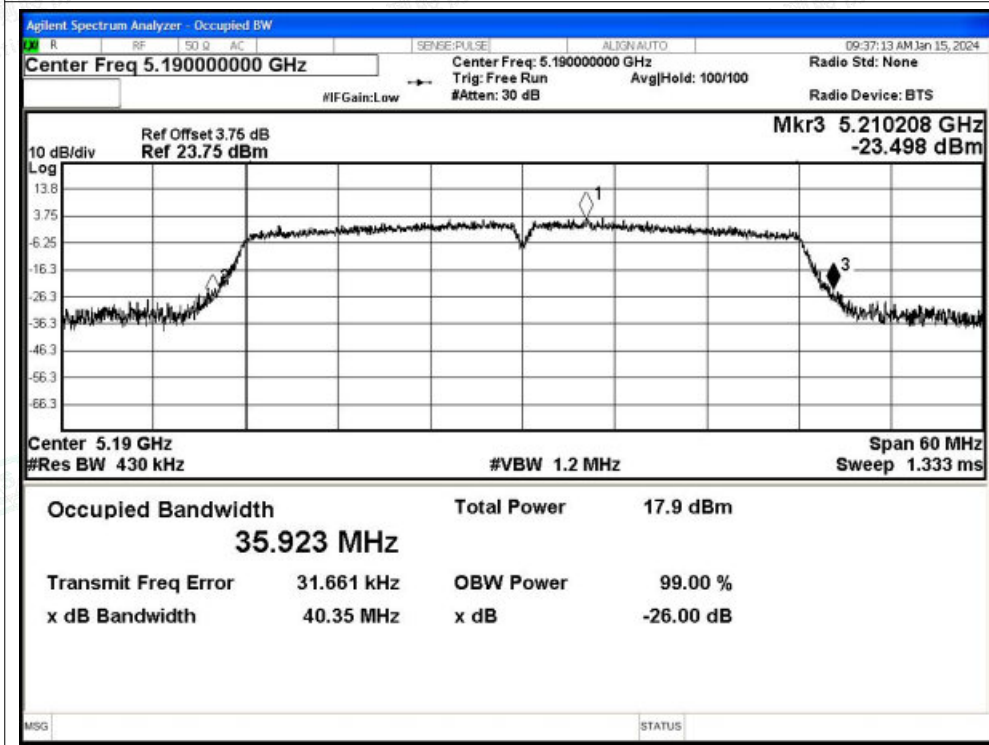




-26dB Bandwidth NVNT ac20 5240MHz Ant1

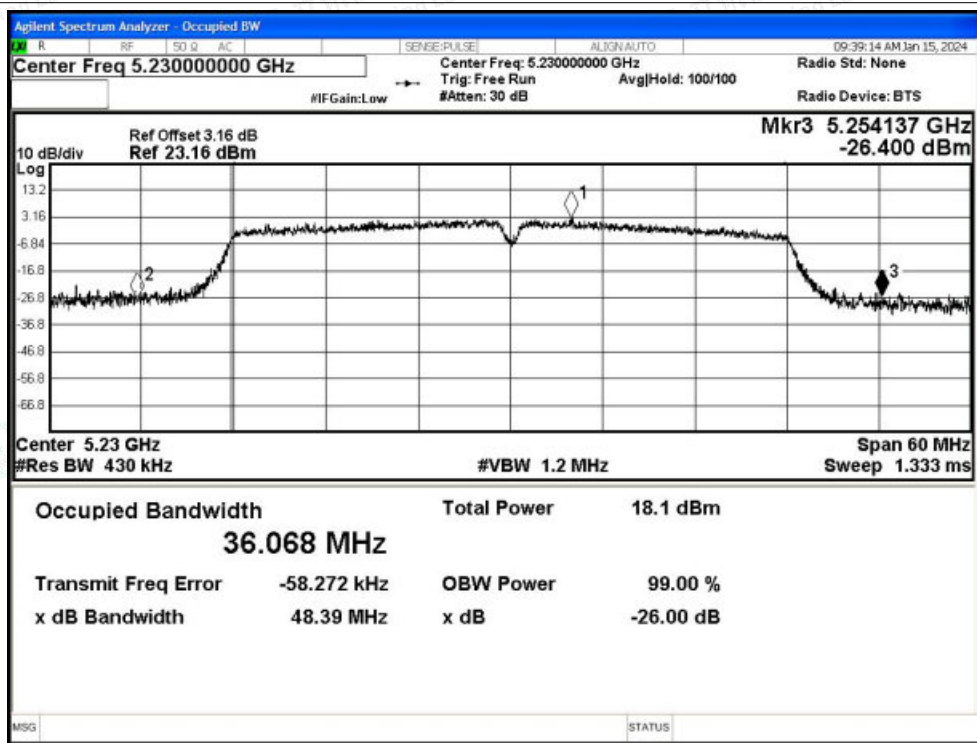


-26dB Bandwidth NVNT ac40 5190MHz Ant1

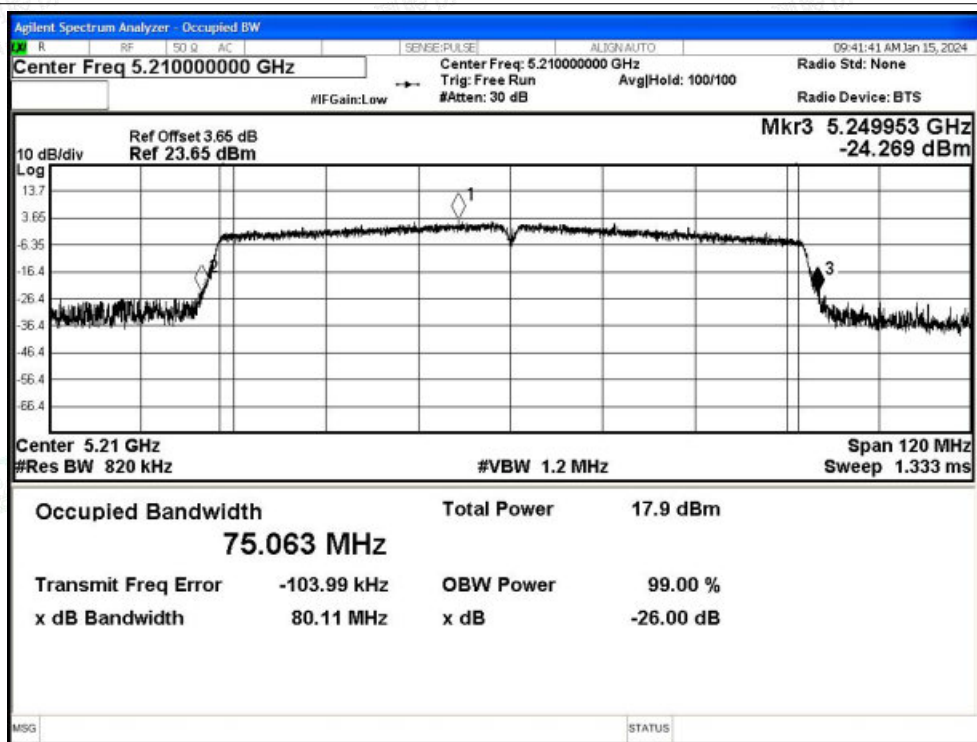




-26dB Bandwidth NVNT ac40 5230MHz Ant1

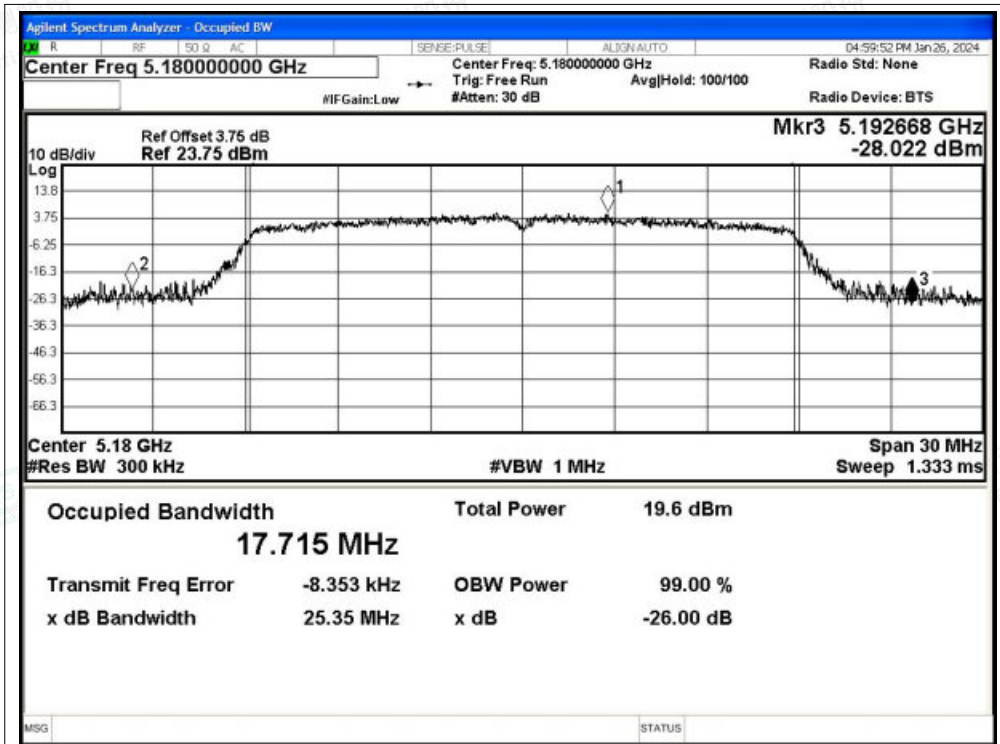


-26dB Bandwidth NVNT ac80 5210MHz Ant1

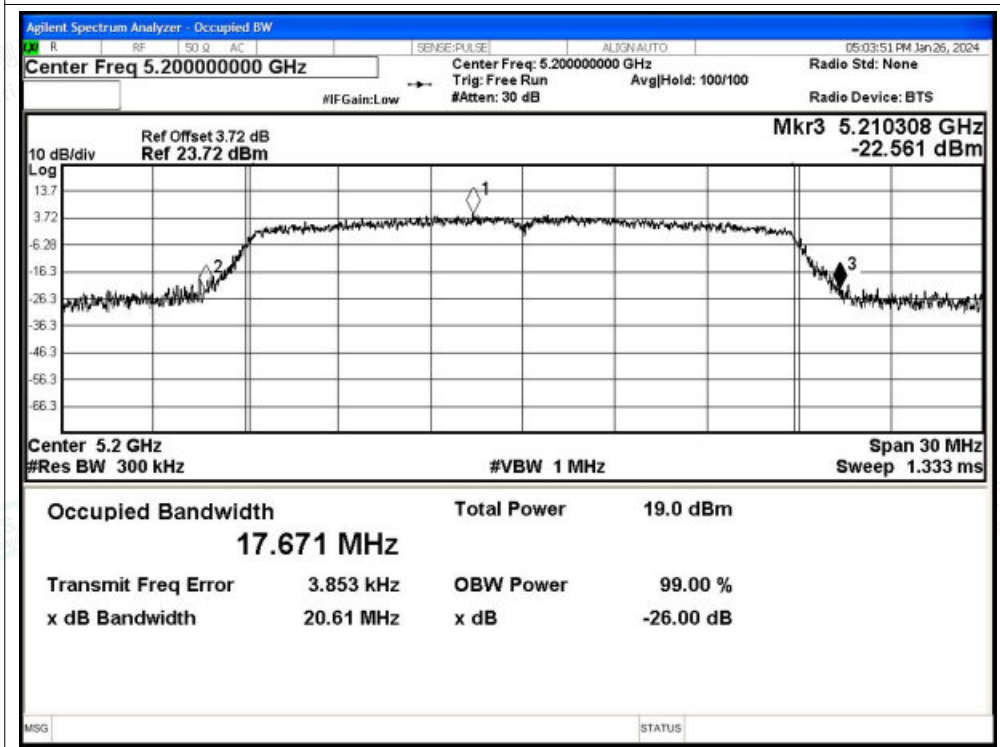


-26dB Bandwidth NVNT ax20 5180MHz Ant1



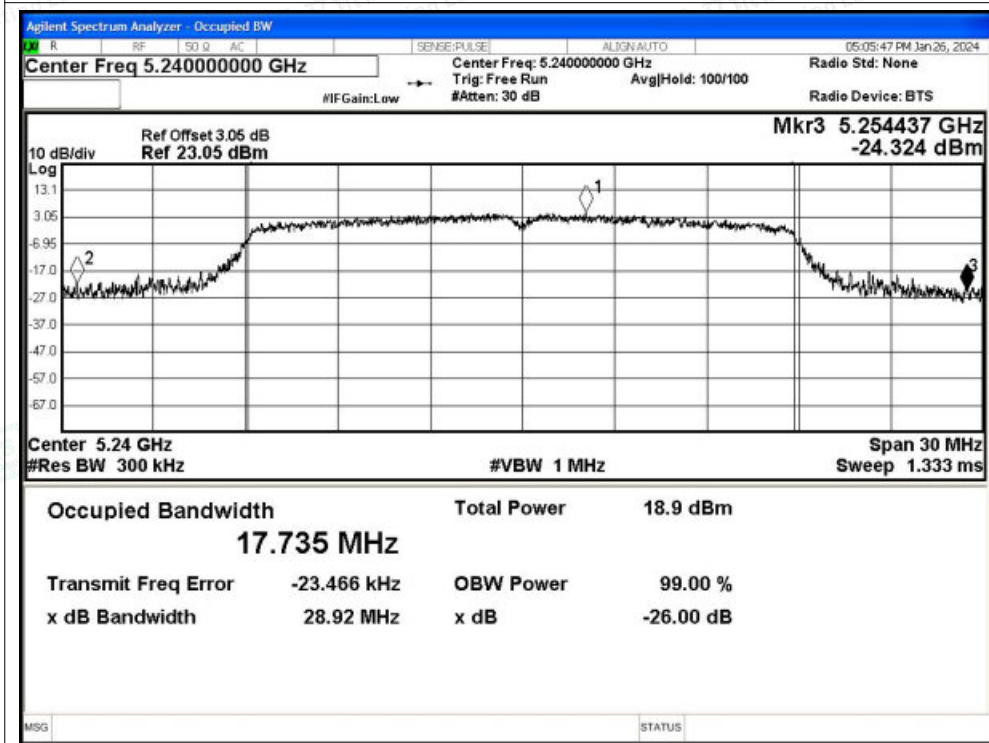


-26dB Bandwidth NVNT ax20 5200MHz Ant1

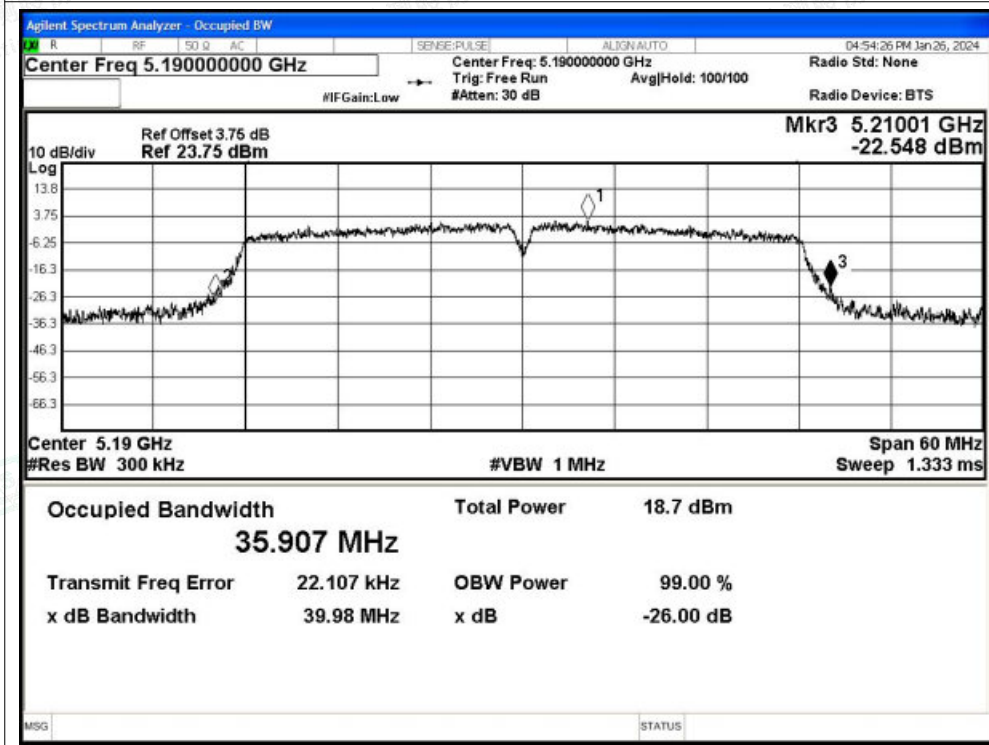




-26dB Bandwidth NVNT ax20 5240MHz Ant1

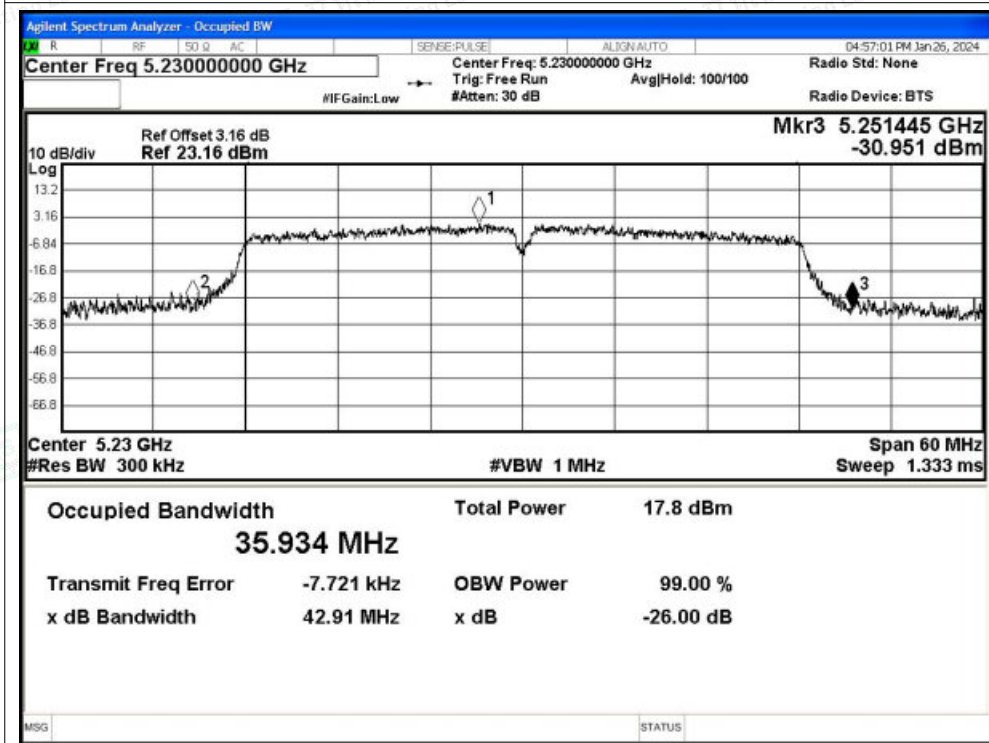


-26dB Bandwidth NVNT ax40 5190MHz Ant1

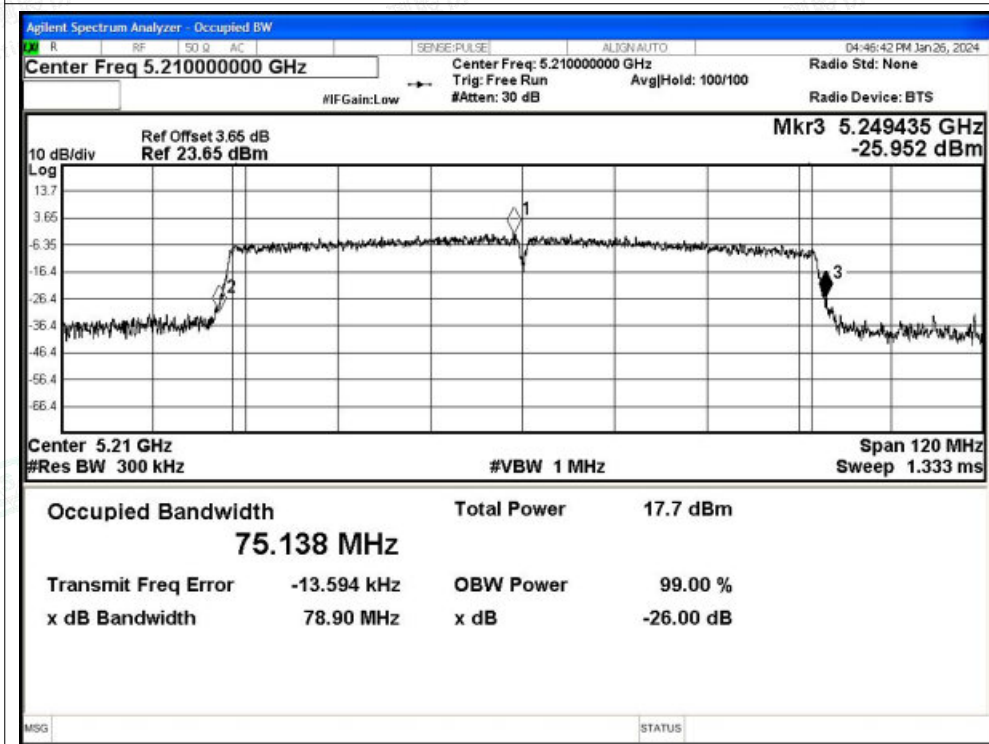




-26dB Bandwidth NVNT ax40 5230MHz Ant1



-26dB Bandwidth NVNT ax80 5210MHz Ant1





B.2 Maximum Conducted Output Power

| Condition | Mode | Frequency (MHz) | Antenna | Conducted Power (dBm) | Duty Factor (dB) | Total Power (dBm) | Limit (dBm) | Verdict |
|-----------|------|-----------------|---------|-----------------------|------------------|-------------------|-------------|---------|
| NVNT | a | 5180 | Ant0 | 14.1 | 0.13 | 14.23 | 24 | Pass |
| NVNT | a | 5200 | Ant0 | 14.39 | 0.13 | 14.52 | 24 | Pass |
| NVNT | a | 5240 | Ant0 | 14.27 | 0.13 | 14.4 | 24 | Pass |
| NVNT | n20 | 5180 | Ant0 | 13.01 | 0.15 | 13.16 | 24 | Pass |
| NVNT | n20 | 5200 | Ant0 | 13.38 | 0.15 | 13.53 | 24 | Pass |
| NVNT | n20 | 5240 | Ant0 | 13.12 | 0.15 | 13.27 | 24 | Pass |
| NVNT | n40 | 5190 | Ant0 | 12.59 | 0.28 | 12.87 | 24 | Pass |
| NVNT | n40 | 5230 | Ant0 | 11.86 | 0.29 | 12.15 | 24 | Pass |
| NVNT | ac20 | 5180 | Ant0 | 13.26 | 0.14 | 13.4 | 24 | Pass |
| NVNT | ac20 | 5200 | Ant0 | 13.29 | 0.14 | 13.43 | 24 | Pass |
| NVNT | ac20 | 5240 | Ant0 | 13.03 | 0.14 | 13.17 | 24 | Pass |
| NVNT | ac40 | 5190 | Ant0 | 12.62 | 0.28 | 12.9 | 24 | Pass |
| NVNT | ac40 | 5230 | Ant0 | 12.18 | 0.28 | 12.46 | 24 | Pass |
| NVNT | ac80 | 5210 | Ant0 | 11.26 | 0.55 | 11.81 | 24 | Pass |
| NVNT | ax20 | 5180 | Ant0 | 13.12 | 0.14 | 13.26 | 24 | Pass |
| NVNT | ax20 | 5200 | Ant0 | 13.39 | 0.14 | 13.53 | 24 | Pass |
| NVNT | ax20 | 5240 | Ant0 | 12.85 | 0.14 | 12.99 | 24 | Pass |
| NVNT | ax40 | 5190 | Ant0 | 12.16 | 0.28 | 12.44 | 24 | Pass |
| NVNT | ax40 | 5230 | Ant0 | 12.27 | 0.28 | 12.55 | 24 | Pass |
| NVNT | ax80 | 5210 | Ant0 | 11.09 | 0.55 | 11.64 | 24 | Pass |

| Condition | Mode | Frequency (MHz) | Antenna | Conducted Power (dBm) | Duty Factor (dB) | Total Power (dBm) | Limit (dBm) | Verdict |
|-----------|------|-----------------|---------|-----------------------|------------------|-------------------|-------------|---------|
| NVNT | a | 5180 | Ant1 | 14.29 | 0.13 | 14.42 | 24 | Pass |
| NVNT | a | 5200 | Ant1 | 14.29 | 0.13 | 14.42 | 24 | Pass |
| NVNT | a | 5240 | Ant1 | 14.25 | 0.13 | 14.38 | 24 | Pass |
| NVNT | n20 | 5180 | Ant1 | 13.03 | 0.15 | 13.18 | 24 | Pass |
| NVNT | n20 | 5200 | Ant1 | 13.24 | 0.15 | 13.39 | 24 | Pass |
| NVNT | n20 | 5240 | Ant1 | 12.16 | 0.15 | 12.31 | 24 | Pass |
| NVNT | n40 | 5190 | Ant1 | 11.99 | 0.29 | 12.28 | 24 | Pass |
| NVNT | n40 | 5230 | Ant1 | 11.96 | 0.29 | 12.25 | 24 | Pass |
| NVNT | ac20 | 5180 | Ant1 | 13.05 | 0.14 | 13.19 | 24 | Pass |
| NVNT | ac20 | 5200 | Ant1 | 13.44 | 0.14 | 13.58 | 24 | Pass |
| NVNT | ac20 | 5240 | Ant1 | 12.1 | 0.15 | 12.25 | 24 | Pass |
| NVNT | ac40 | 5190 | Ant1 | 12.07 | 0.28 | 12.35 | 24 | Pass |
| NVNT | ac40 | 5230 | Ant1 | 12.15 | 0.28 | 12.43 | 24 | Pass |
| NVNT | ac80 | 5210 | Ant1 | 11.01 | 0.55 | 11.56 | 24 | Pass |



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| | | | | | | | | |
|------|------|------|------|-------|------|-------|----|------|
| NVNT | ax20 | 5180 | Ant1 | 13.63 | 0.14 | 13.77 | 24 | Pass |
| NVNT | ax20 | 5200 | Ant1 | 13.29 | 0.14 | 13.43 | 24 | Pass |
| NVNT | ax20 | 5240 | Ant1 | 13.18 | 0.14 | 13.32 | 24 | Pass |
| NVNT | ax40 | 5190 | Ant1 | 12.7 | 0.28 | 12.98 | 24 | Pass |
| NVNT | ax40 | 5230 | Ant1 | 11.76 | 0.28 | 12.04 | 24 | Pass |
| NVNT | ax80 | 5210 | Ant1 | 11.09 | 0.55 | 11.64 | 24 | Pass |

MIMO

| Condition | Mode | Frequency (MHz) | Antenna | | Total Power (dBm) | Limit (dBm) | Verdict |
|-----------|------|-----------------|---------|-------|-------------------|-------------|---------|
| | | | Ant0 | Ant1 | | | |
| NVNT | n20 | 5180 | 13.16 | 13.18 | 16.18 | 22.99 | Pass |
| NVNT | n20 | 5200 | 13.53 | 13.39 | 16.47 | 22.99 | Pass |
| NVNT | n20 | 5240 | 13.27 | 12.31 | 15.83 | 22.99 | Pass |
| NVNT | n40 | 5190 | 12.87 | 12.28 | 15.60 | 22.99 | Pass |
| NVNT | n40 | 5230 | 12.15 | 12.25 | 15.21 | 22.99 | Pass |
| NVNT | ac20 | 5180 | 13.4 | 13.19 | 16.31 | 22.99 | Pass |
| NVNT | ac20 | 5200 | 13.43 | 13.58 | 16.52 | 22.99 | Pass |
| NVNT | ac20 | 5240 | 13.17 | 12.25 | 15.74 | 22.99 | Pass |
| NVNT | ac40 | 5190 | 12.9 | 12.35 | 15.64 | 22.99 | Pass |
| NVNT | ac40 | 5230 | 12.46 | 12.43 | 15.46 | 22.99 | Pass |
| NVNT | ac80 | 5210 | 11.81 | 11.56 | 14.70 | 22.99 | Pass |
| NVNT | ax20 | 5180 | 13.26 | 13.77 | 16.53 | 22.99 | Pass |
| NVNT | ax20 | 5200 | 13.53 | 13.43 | 16.49 | 22.99 | Pass |
| NVNT | ax20 | 5240 | 12.99 | 13.32 | 16.17 | 22.99 | Pass |
| NVNT | ax40 | 5190 | 12.44 | 12.98 | 15.73 | 22.99 | Pass |
| NVNT | ax40 | 5230 | 12.55 | 12.04 | 15.31 | 22.99 | Pass |
| NVNT | ax80 | 5210 | 11.64 | 11.64 | 14.65 | 22.99 | Pass |





B.3 Maximum Power Spectral Density Level

| Condition | Mode | Frequency (MHz) | Antenna | Conducted PSD (dBm/MHz) | Duty Factor (dB) | Total PSD (dBm/MHz) | Limit (dBm/MHz) | Verdict |
|-----------|------|-----------------|---------|-------------------------|------------------|---------------------|-----------------|---------|
| NVNT | a | 5180 | Ant0 | 4.75 | 0.13 | 4.88 | 11 | Pass |
| NVNT | a | 5200 | Ant0 | 4.94 | 0.13 | 5.07 | 11 | Pass |
| NVNT | a | 5240 | Ant0 | 4.52 | 0.13 | 4.65 | 11 | Pass |
| NVNT | n20 | 5180 | Ant0 | 3.17 | 0.15 | 3.32 | 11 | Pass |
| NVNT | n20 | 5200 | Ant0 | 3.62 | 0.15 | 3.77 | 11 | Pass |
| NVNT | n20 | 5240 | Ant0 | 3.18 | 0.15 | 3.33 | 11 | Pass |
| NVNT | n40 | 5190 | Ant0 | -0.21 | 0.28 | 0.07 | 11 | Pass |
| NVNT | n40 | 5230 | Ant0 | -0.81 | 0.29 | -0.52 | 11 | Pass |
| NVNT | ac20 | 5180 | Ant0 | 3.46 | 0.14 | 3.6 | 11 | Pass |
| NVNT | ac20 | 5200 | Ant0 | 3.41 | 0.14 | 3.55 | 11 | Pass |
| NVNT | ac20 | 5240 | Ant0 | 3.19 | 0.14 | 3.33 | 11 | Pass |
| NVNT | ac40 | 5190 | Ant0 | -0.07 | 0.28 | 0.21 | 11 | Pass |
| NVNT | ac40 | 5230 | Ant0 | -0.71 | 0.28 | -0.43 | 11 | Pass |
| NVNT | ac80 | 5210 | Ant0 | -4.22 | 0.55 | -3.67 | 11 | Pass |
| NVNT | ax20 | 5180 | Ant0 | 3.53 | 0.14 | 3.67 | 11 | Pass |
| NVNT | ax20 | 5200 | Ant0 | 3.63 | 0.14 | 3.77 | 11 | Pass |
| NVNT | ax20 | 5240 | Ant0 | 3.06 | 0.14 | 3.2 | 11 | Pass |
| NVNT | ax40 | 5190 | Ant0 | -0.57 | 0.28 | -0.29 | 11 | Pass |
| NVNT | ax40 | 5230 | Ant0 | -0.47 | 0.28 | -0.19 | 11 | Pass |
| NVNT | ax80 | 5210 | Ant0 | -4.05 | 0.55 | -3.5 | 11 | Pass |

| Condition | Mode | Frequency (MHz) | Antenna | Conducted PSD (dBm/MHz) | Duty Factor (dB) | Total PSD (dBm/MHz) | Limit (dBm/MHz) | Verdict |
|-----------|------|-----------------|---------|-------------------------|------------------|---------------------|-----------------|---------|
| NVNT | a | 5180 | Ant1 | 4.62 | 0.13 | 4.75 | 11 | Pass |
| NVNT | a | 5200 | Ant1 | 4.69 | 0.13 | 4.82 | 11 | Pass |
| NVNT | a | 5240 | Ant1 | 4.73 | 0.13 | 4.86 | 11 | Pass |
| NVNT | n20 | 5180 | Ant1 | 3.59 | 0.15 | 3.74 | 11 | Pass |
| NVNT | n20 | 5200 | Ant1 | 3.78 | 0.15 | 3.93 | 11 | Pass |
| NVNT | n20 | 5240 | Ant1 | 2.22 | 0.15 | 2.37 | 11 | Pass |
| NVNT | n40 | 5190 | Ant1 | -0.45 | 0.29 | -0.16 | 11 | Pass |
| NVNT | n40 | 5230 | Ant1 | -0.74 | 0.29 | -0.45 | 11 | Pass |
| NVNT | ac20 | 5180 | Ant1 | 3.16 | 0.14 | 3.3 | 11 | Pass |
| NVNT | ac20 | 5200 | Ant1 | 3.69 | 0.14 | 3.83 | 11 | Pass |
| NVNT | ac20 | 5240 | Ant1 | 2.06 | 0.15 | 2.21 | 11 | Pass |
| NVNT | ac40 | 5190 | Ant1 | -0.39 | 0.28 | -0.11 | 11 | Pass |
| NVNT | ac40 | 5230 | Ant1 | -0.76 | 0.28 | -0.48 | 11 | Pass |
| NVNT | ac80 | 5210 | Ant1 | -4.23 | 0.55 | -3.68 | 11 | Pass |



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 Scan code to check authenticity



| | | | | | | | | |
|------|------|------|------|-------|------|-------|----|------|
| NVNT | ax20 | 5180 | Ant1 | 4.04 | 0.14 | 4.18 | 11 | Pass |
| NVNT | ax20 | 5200 | Ant1 | 3.5 | 0.14 | 3.64 | 11 | Pass |
| NVNT | ax20 | 5240 | Ant1 | 3.33 | 0.14 | 3.47 | 11 | Pass |
| NVNT | ax40 | 5190 | Ant1 | -0.16 | 0.28 | 0.12 | 11 | Pass |
| NVNT | ax40 | 5230 | Ant1 | -1.33 | 0.28 | -1.05 | 11 | Pass |
| NVNT | ax80 | 5210 | Ant1 | -4.46 | 0.55 | -3.91 | 11 | Pass |

MIMO

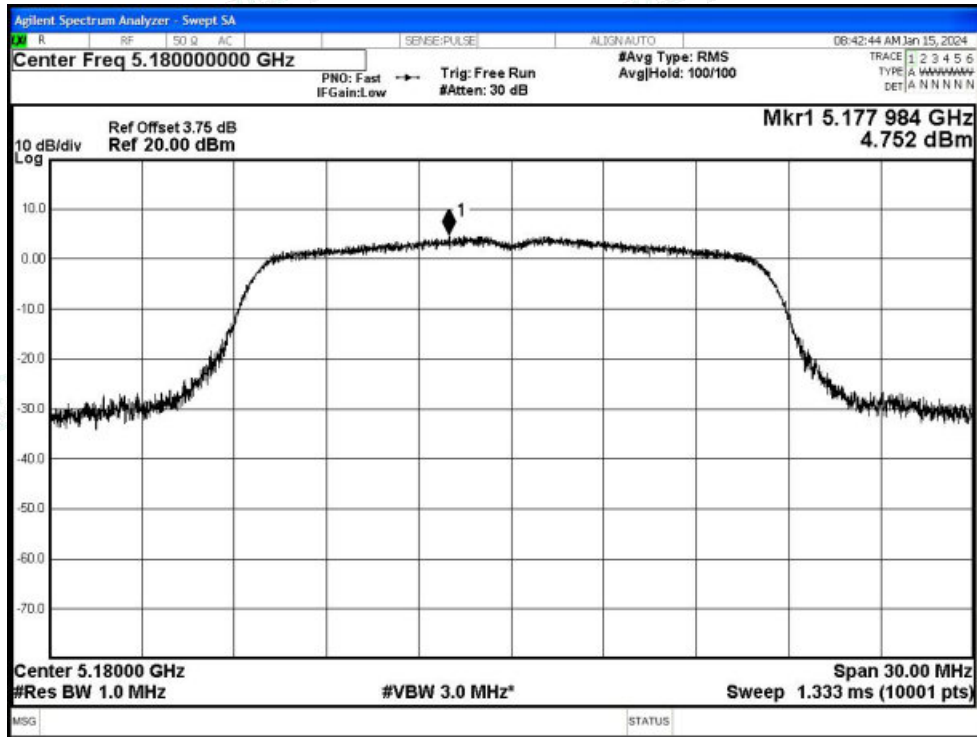
| Condition | Mode | Frequency (MHz) | Conducted PSD (dBm) | | Total PSD (dBm) | Limit (dBm) | Verdict |
|-----------|------|-----------------|---------------------|-------|-----------------|-------------|---------|
| | | | Duty Factor (dB) | | | | |
| | | | Ant0 | Ant1 | | | |
| NVNT | n20 | 5180 | 3.32 | 3.74 | 6.55 | 9.99 | Pass |
| NVNT | n20 | 5200 | 3.77 | 3.93 | 6.86 | 9.99 | Pass |
| NVNT | n20 | 5240 | 3.33 | 2.37 | 5.89 | 9.99 | Pass |
| NVNT | n40 | 5190 | 0.07 | -0.16 | 2.97 | 9.99 | Pass |
| NVNT | n40 | 5230 | -0.52 | -0.45 | 2.53 | 9.99 | Pass |
| NVNT | ac20 | 5180 | 3.6 | 3.3 | 6.46 | 9.99 | Pass |
| NVNT | ac20 | 5200 | 3.55 | 3.83 | 6.70 | 9.99 | Pass |
| NVNT | ac20 | 5240 | 3.33 | 2.21 | 5.82 | 9.99 | Pass |
| NVNT | ac40 | 5190 | 0.21 | -0.11 | 3.06 | 9.99 | Pass |
| NVNT | ac40 | 5230 | -0.43 | -0.48 | 2.56 | 9.99 | Pass |
| NVNT | ac80 | 5210 | -3.67 | -3.68 | -0.66 | 9.99 | Pass |
| NVNT | ax20 | 5180 | 3.67 | 4.18 | 6.94 | 9.99 | Pass |
| NVNT | ax20 | 5200 | 3.77 | 3.64 | 6.72 | 9.99 | Pass |
| NVNT | ax20 | 5240 | 3.2 | 3.47 | 6.35 | 9.99 | Pass |
| NVNT | ax40 | 5190 | -0.29 | 0.12 | 2.93 | 9.99 | Pass |
| NVNT | ax40 | 5230 | -0.19 | -1.05 | 2.41 | 9.99 | Pass |
| NVNT | ax80 | 5210 | -3.5 | -3.91 | -0.69 | 9.99 | Pass |



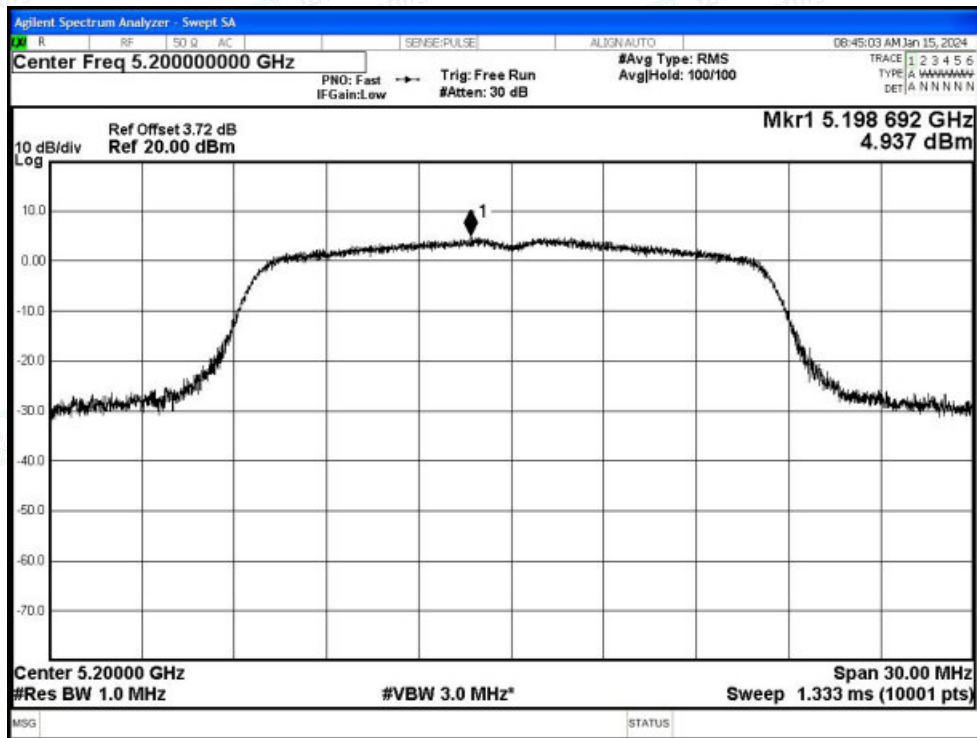


Test Graphs

PSD NVNT a 5180MHz Ant0

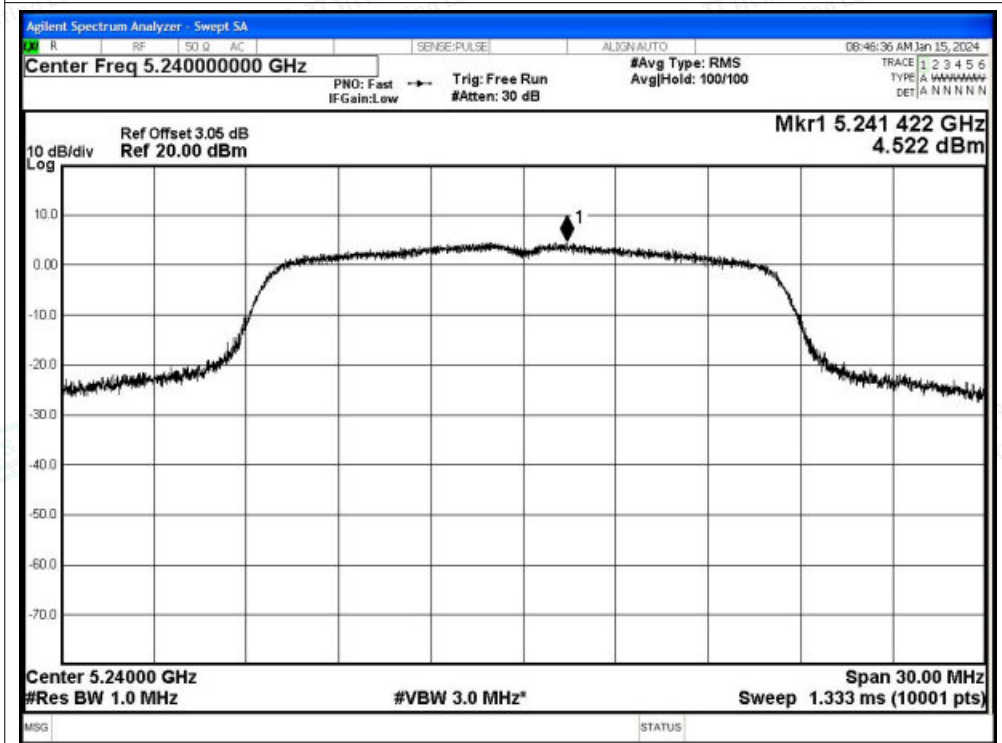


PSD NVNT a 5200MHz Ant0

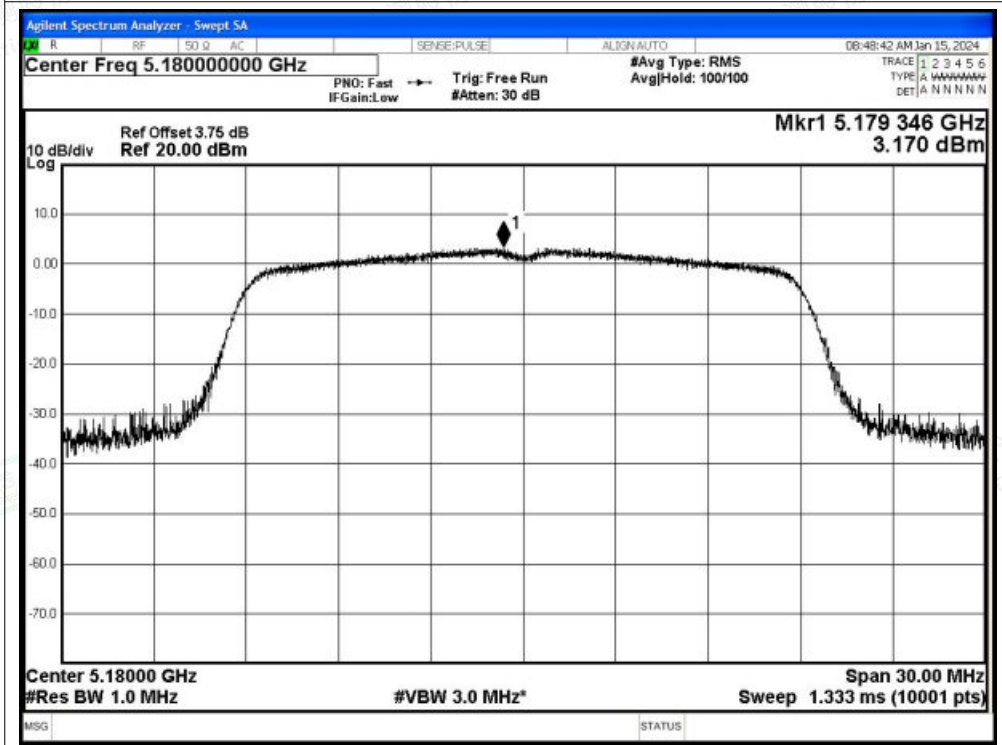




PSD NVNT a 5240MHz Ant0

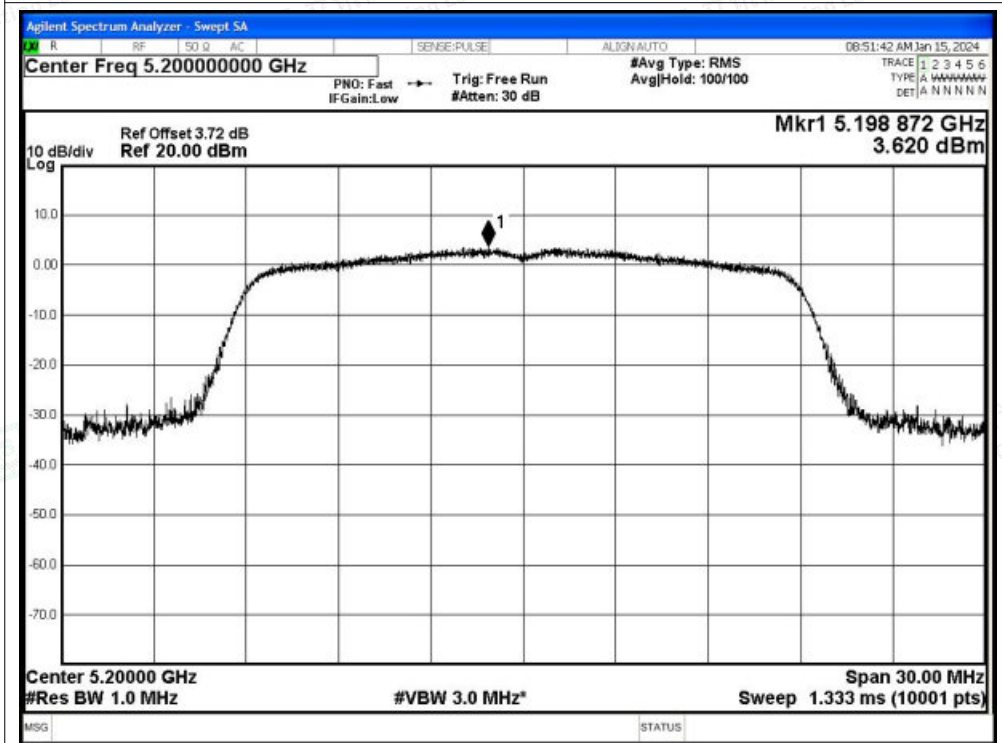


PSD NVNT n20 5180MHz Ant0

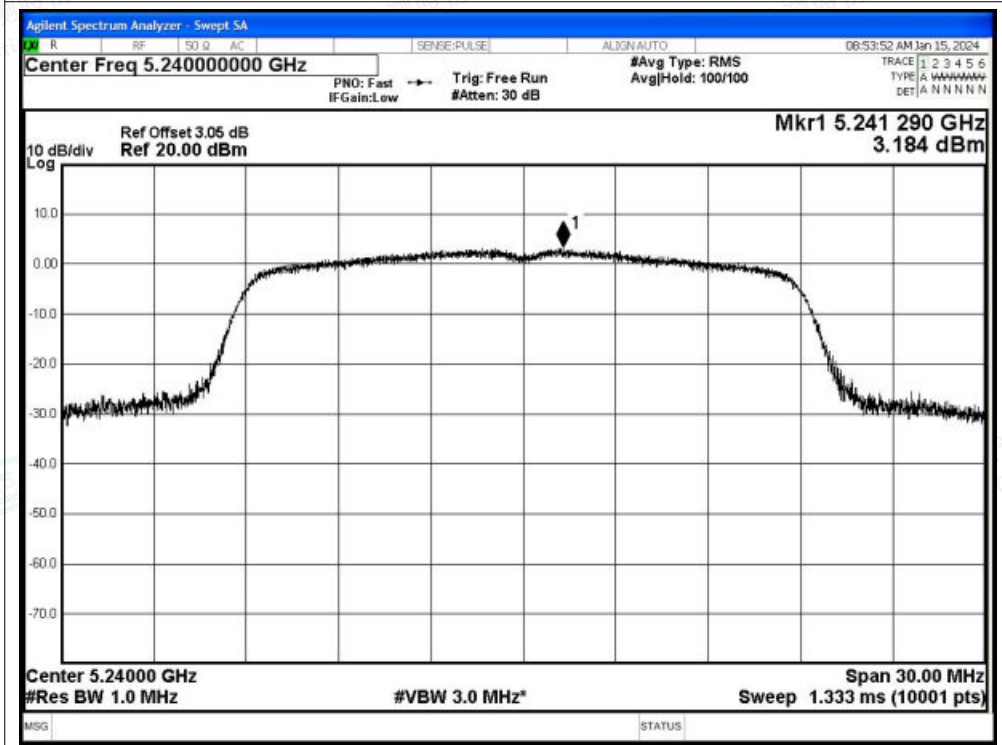


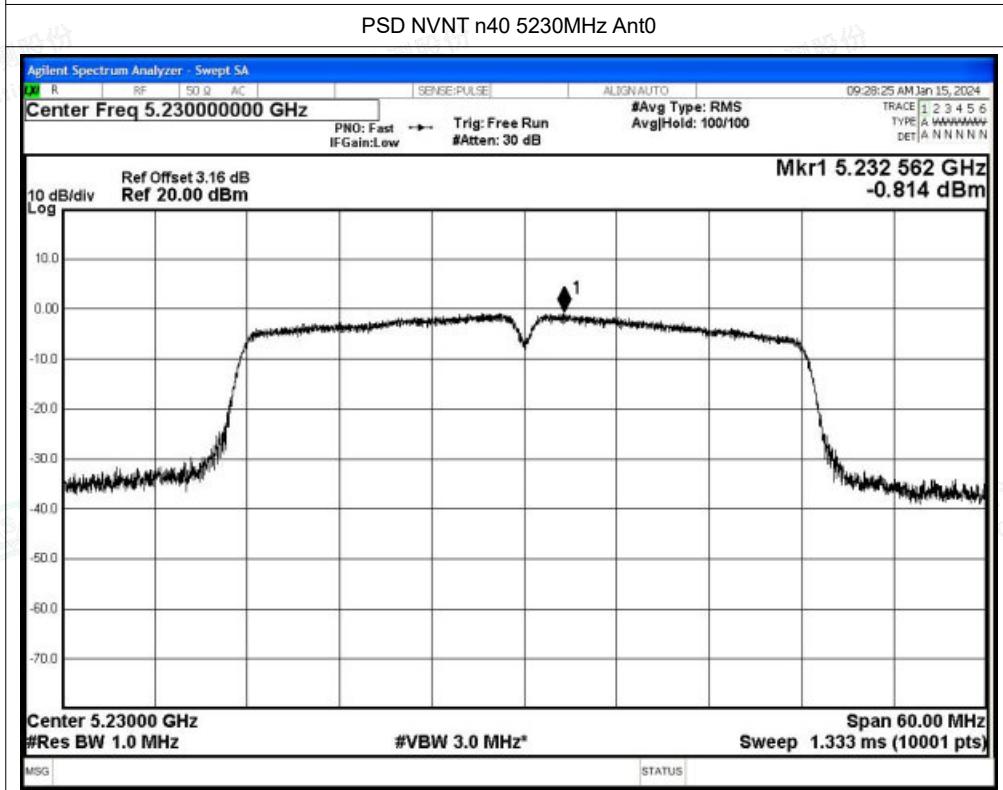
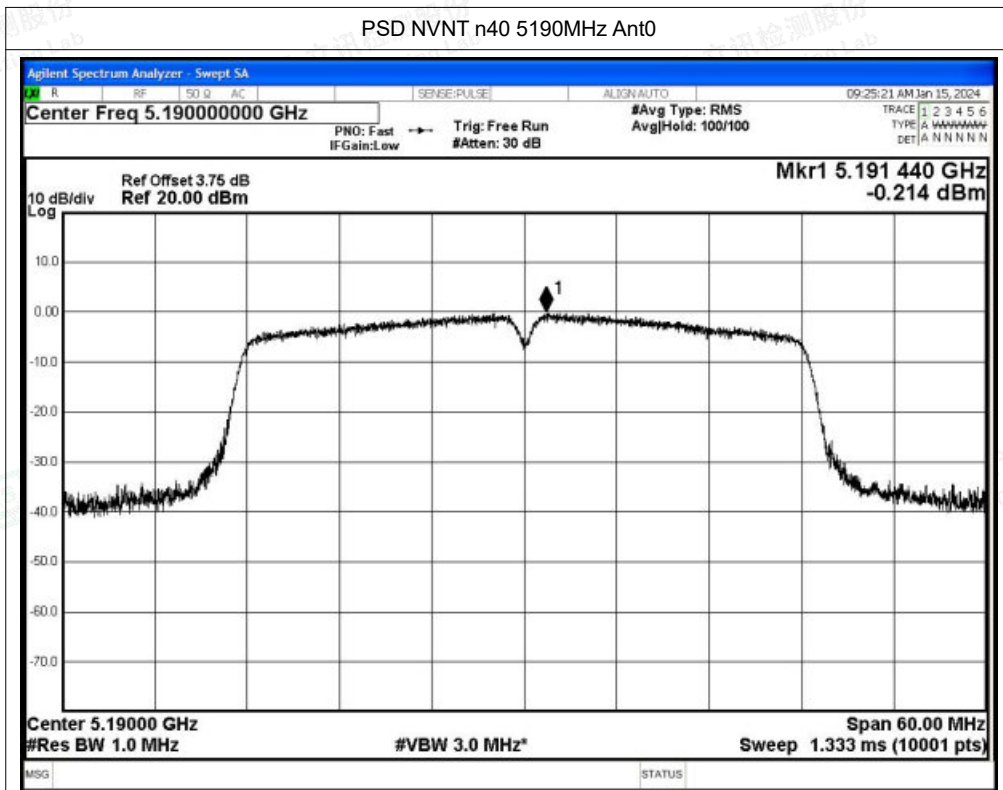


PSD NVNT n20 5200MHz Ant0



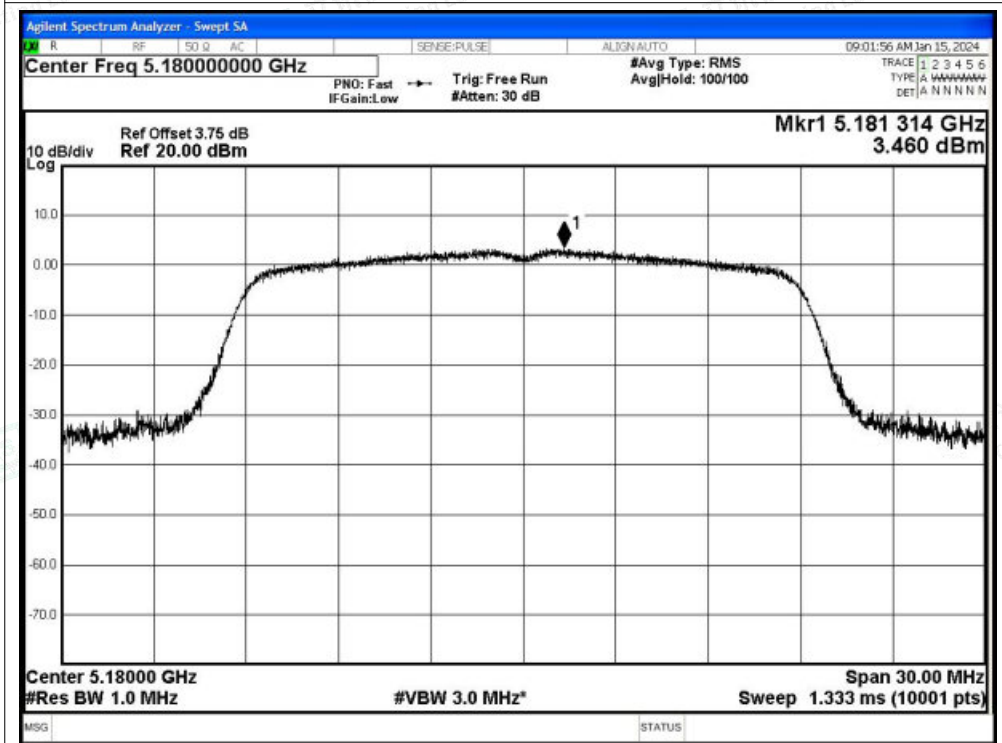
PSD NVNT n20 5240MHz Ant0



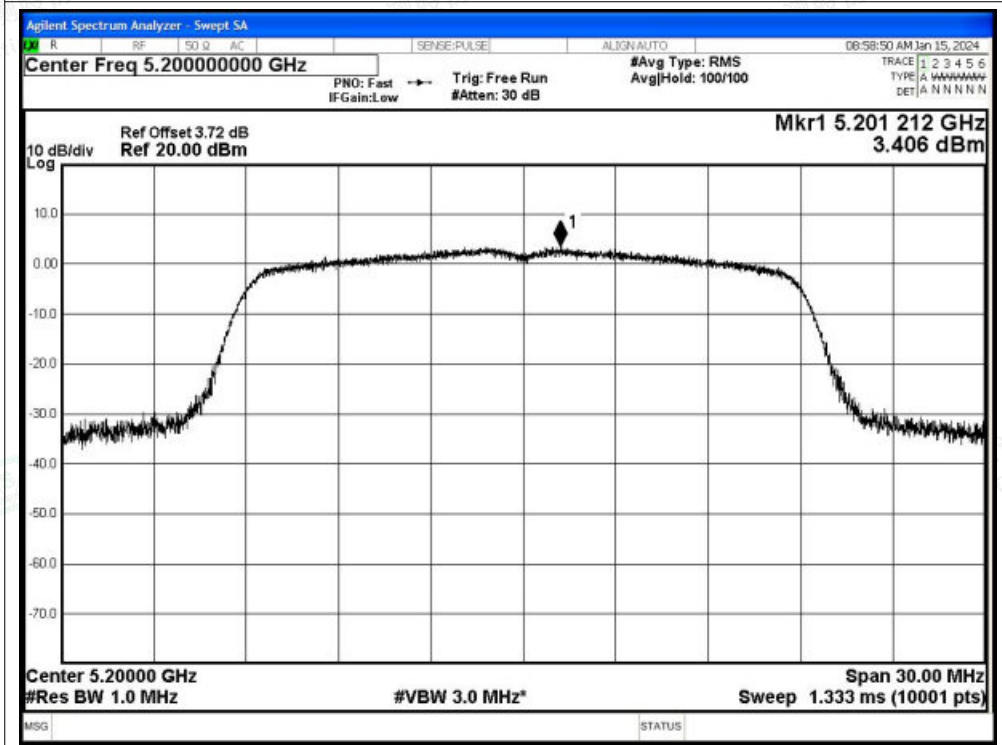




PSD NVNT ac20 5180MHz Ant0

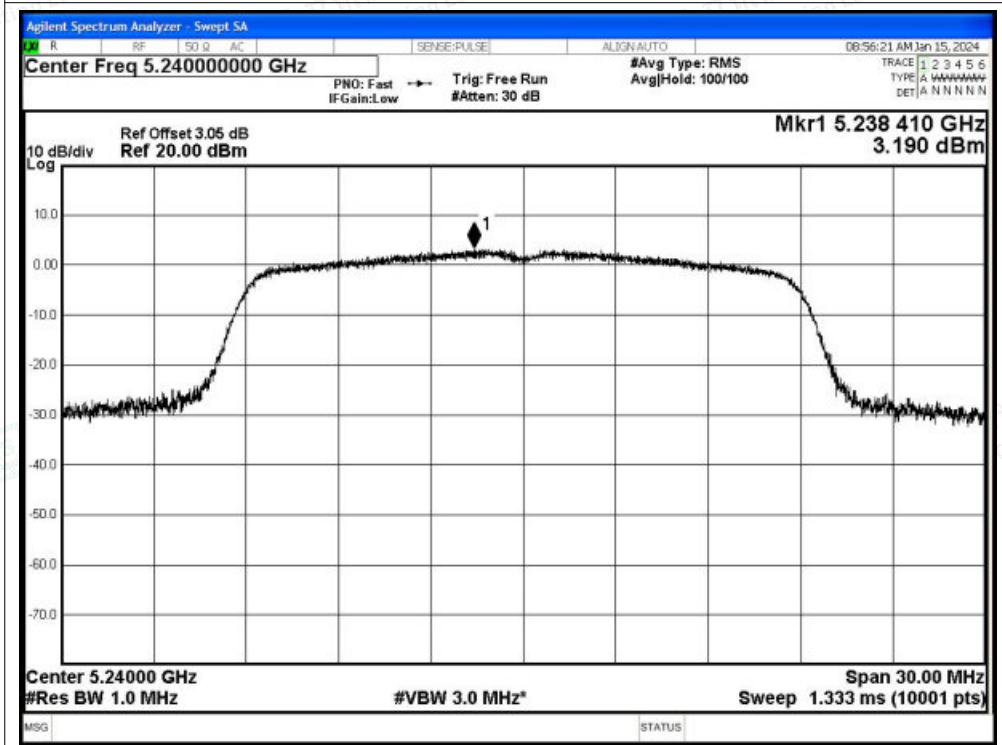


PSD NVNT ac20 5200MHz Ant0

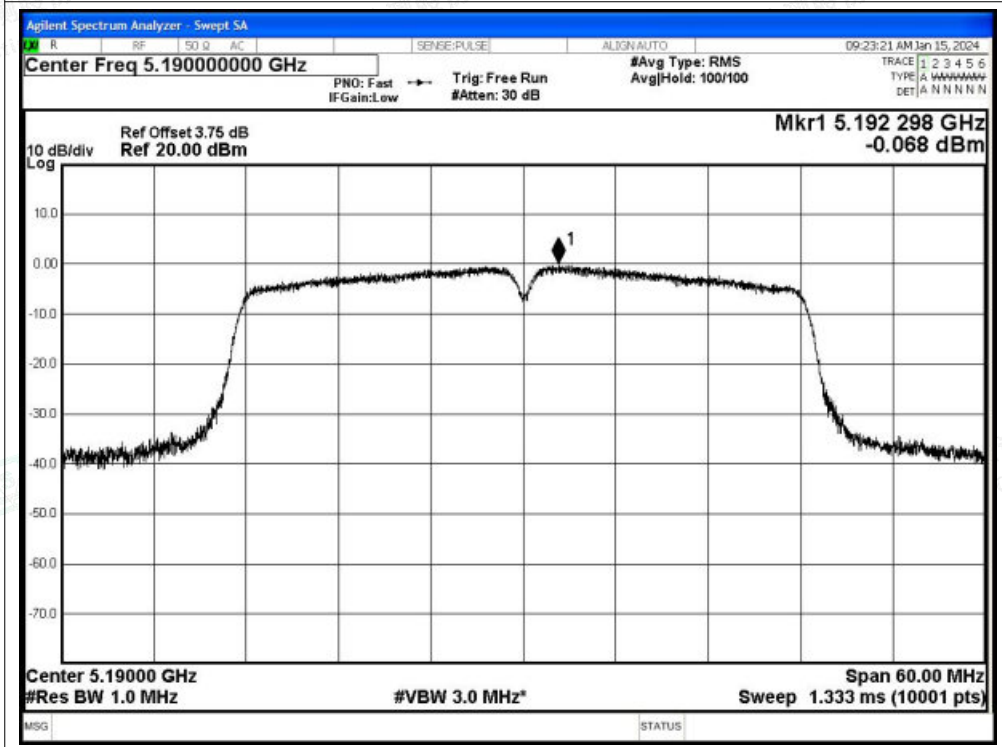


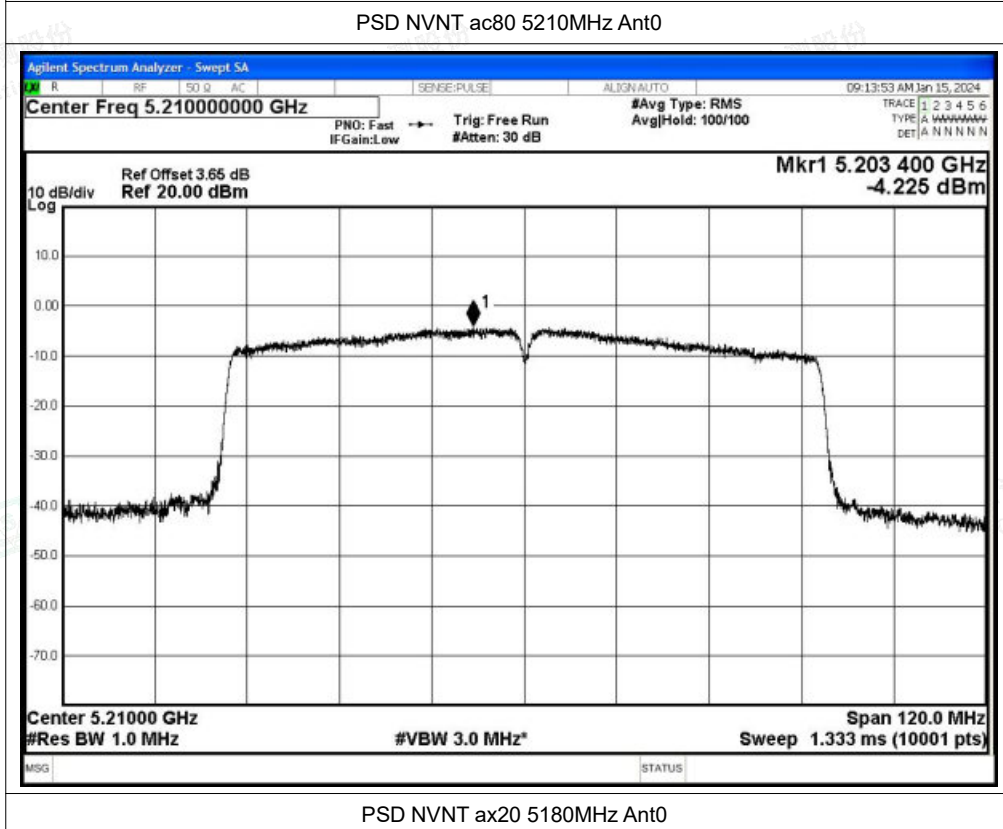
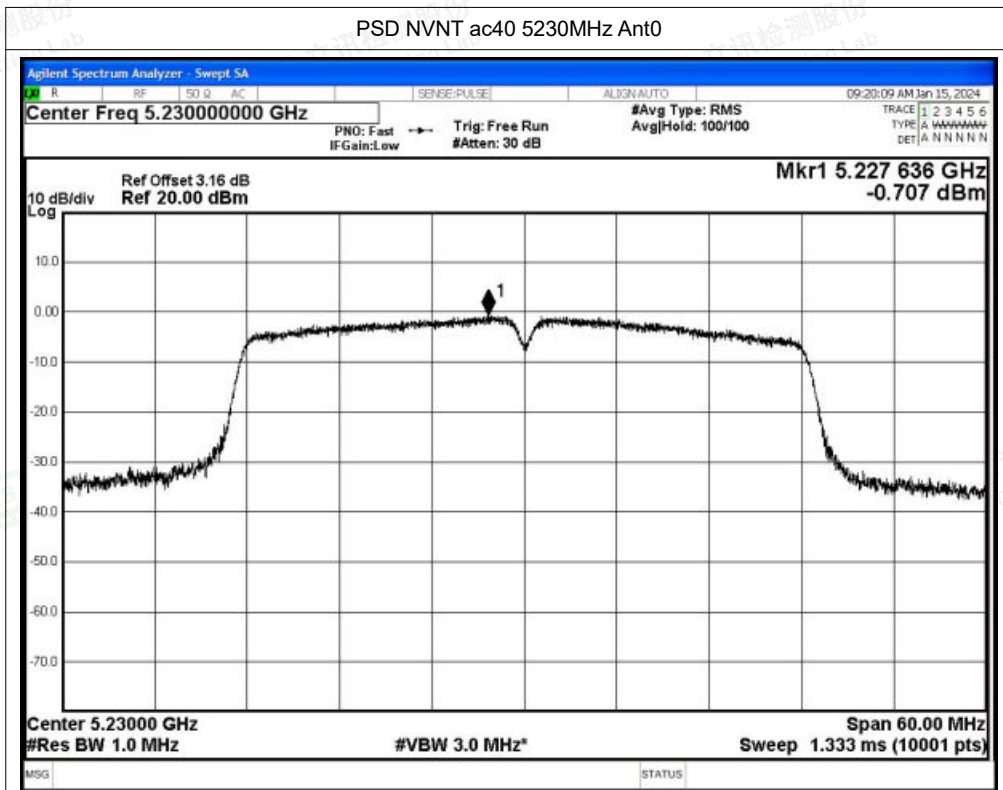


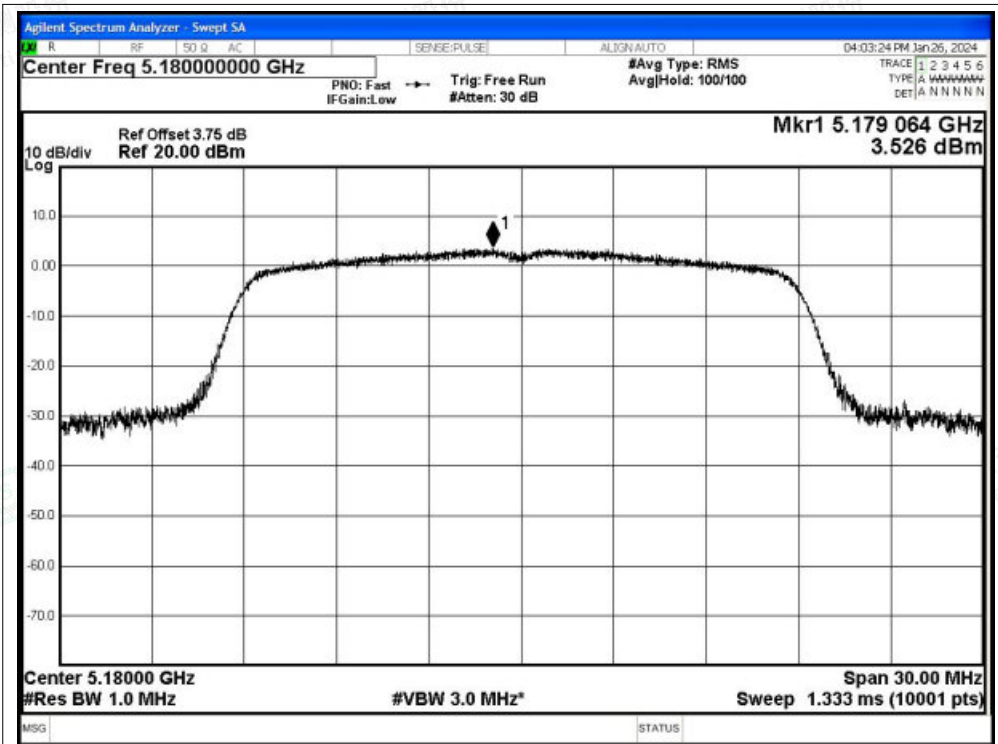
PSD NVNT ac20 5240MHz Ant0



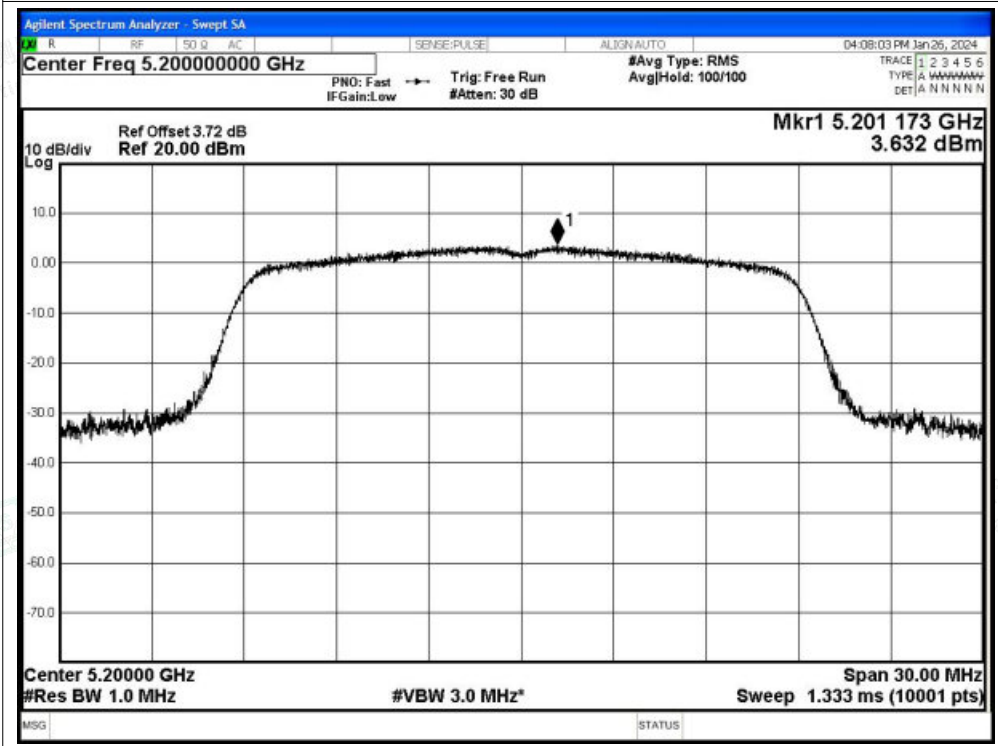
PSD NVNT ac40 5190MHz Ant0





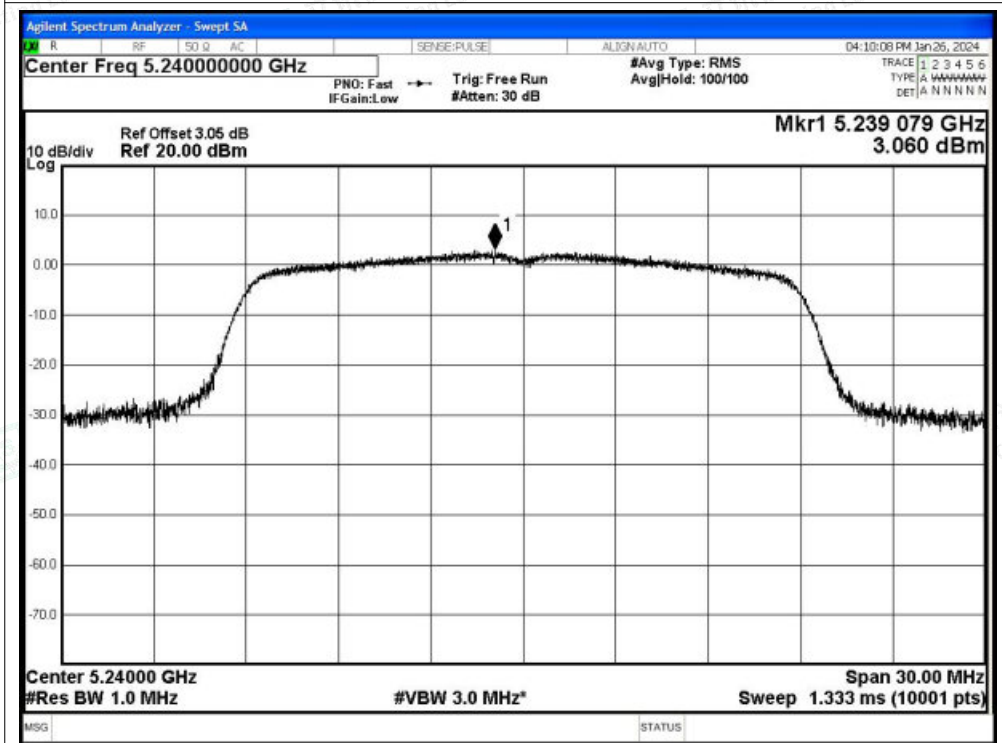


PSD NVNT ax20 5200MHz Ant0

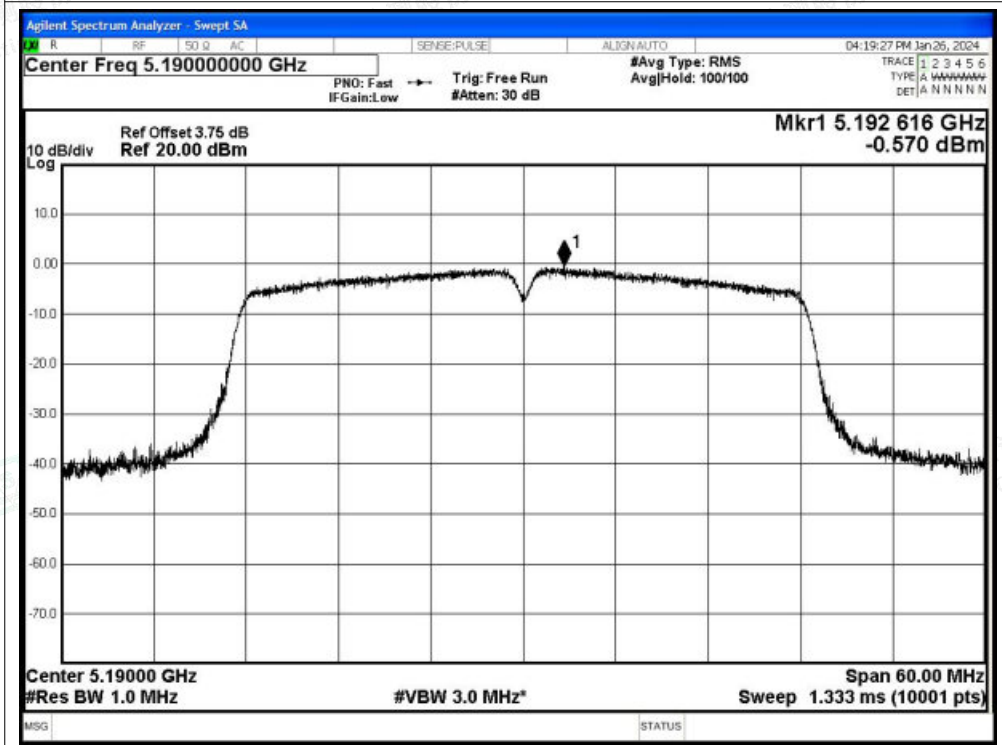




PSD NVNT ax20 5240MHz Ant0

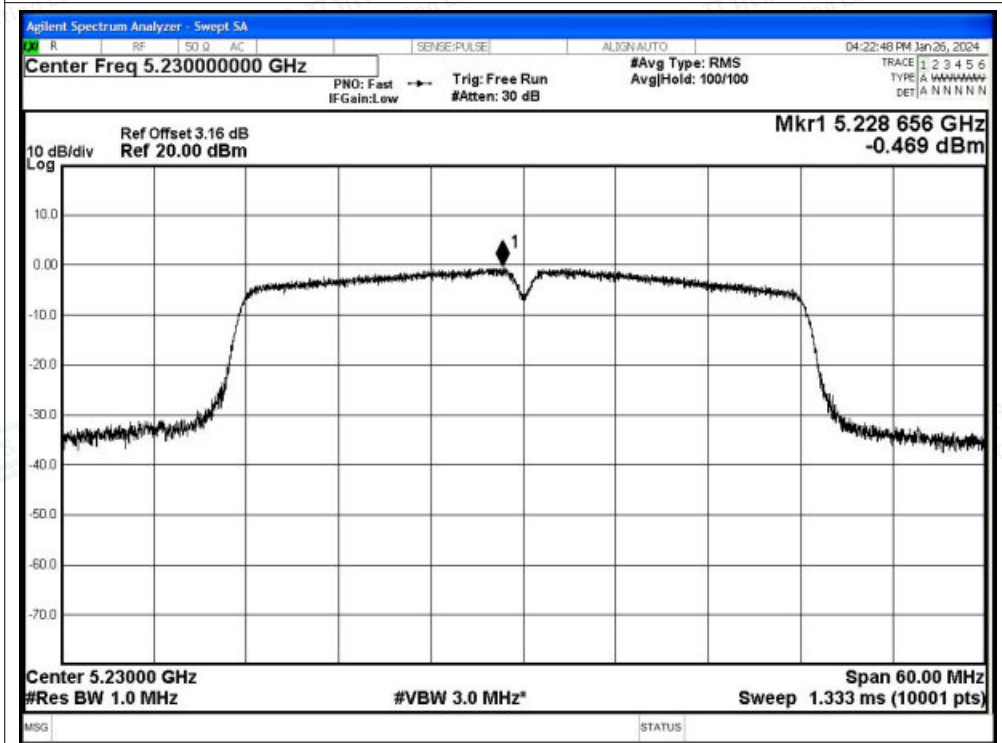


PSD NVNT ax40 5190MHz Ant0

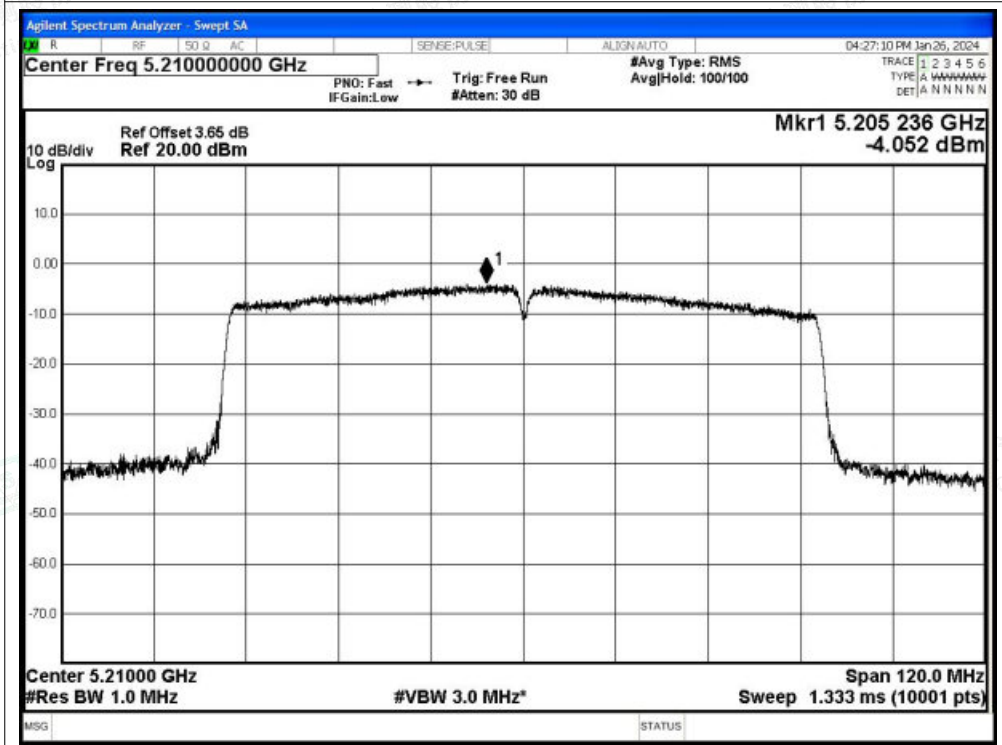




PSD NVNT ax40 5230MHz Ant0



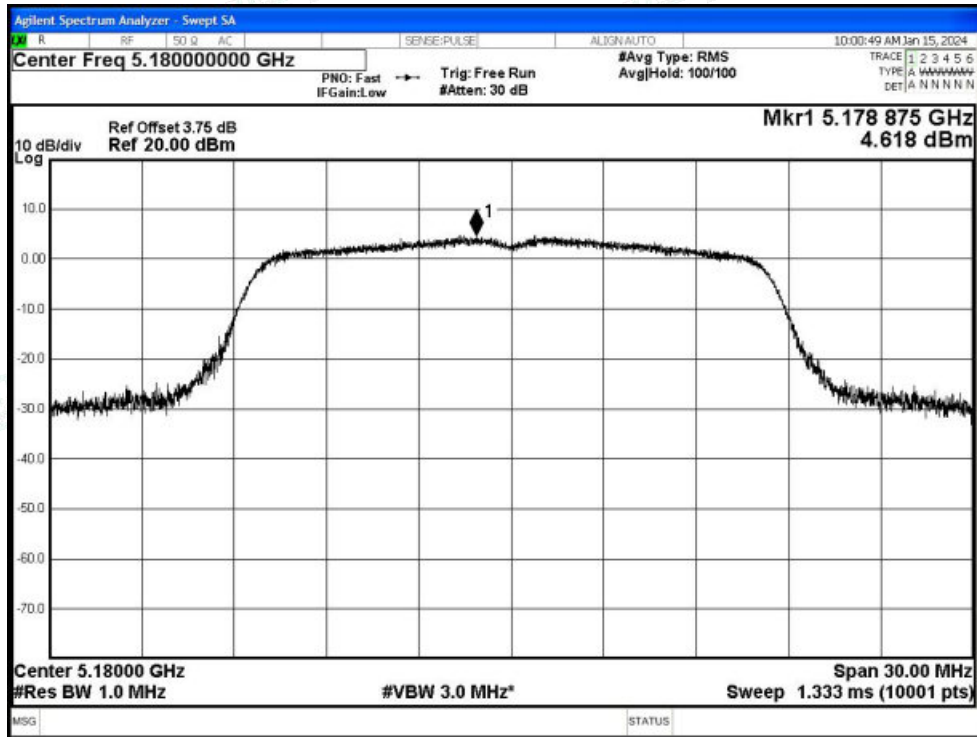
PSD NVNT ax80 5210MHz Ant0



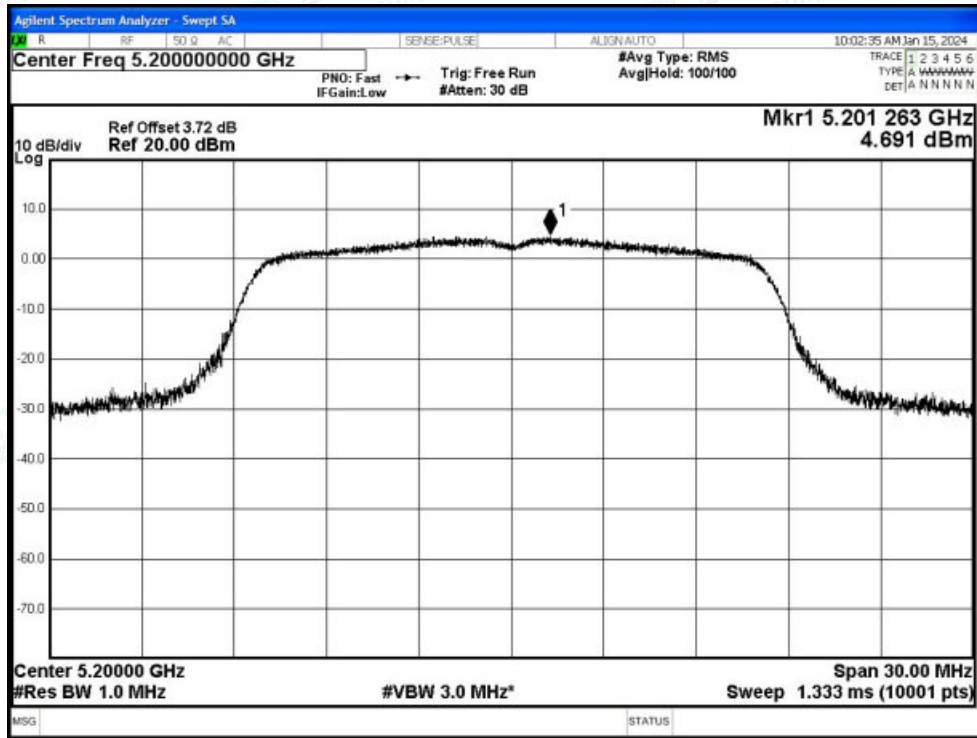


Test Graphs

PSD NVNT a 5180MHz Ant1

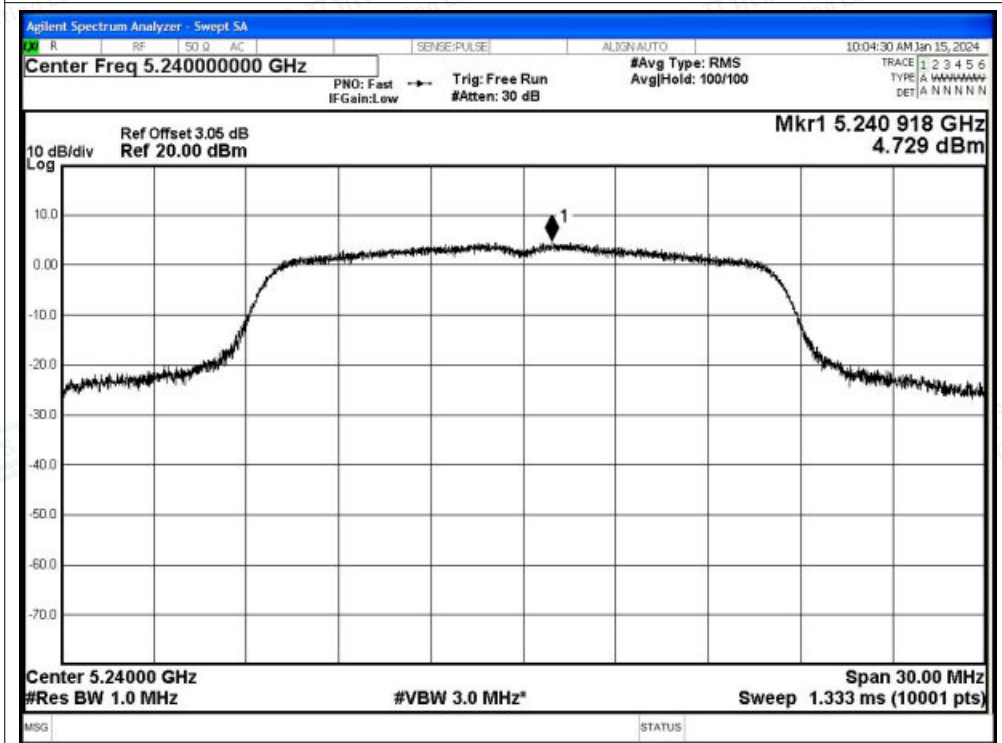


PSD NVNT a 5200MHz Ant1

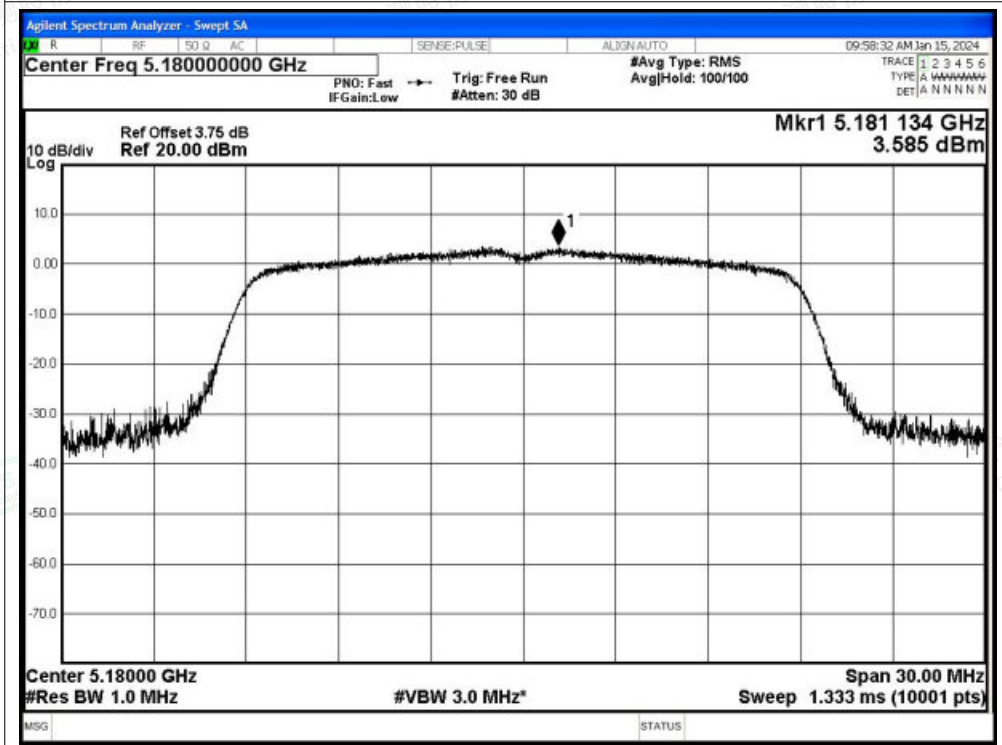




PSD NVNT a 5240MHz Ant1

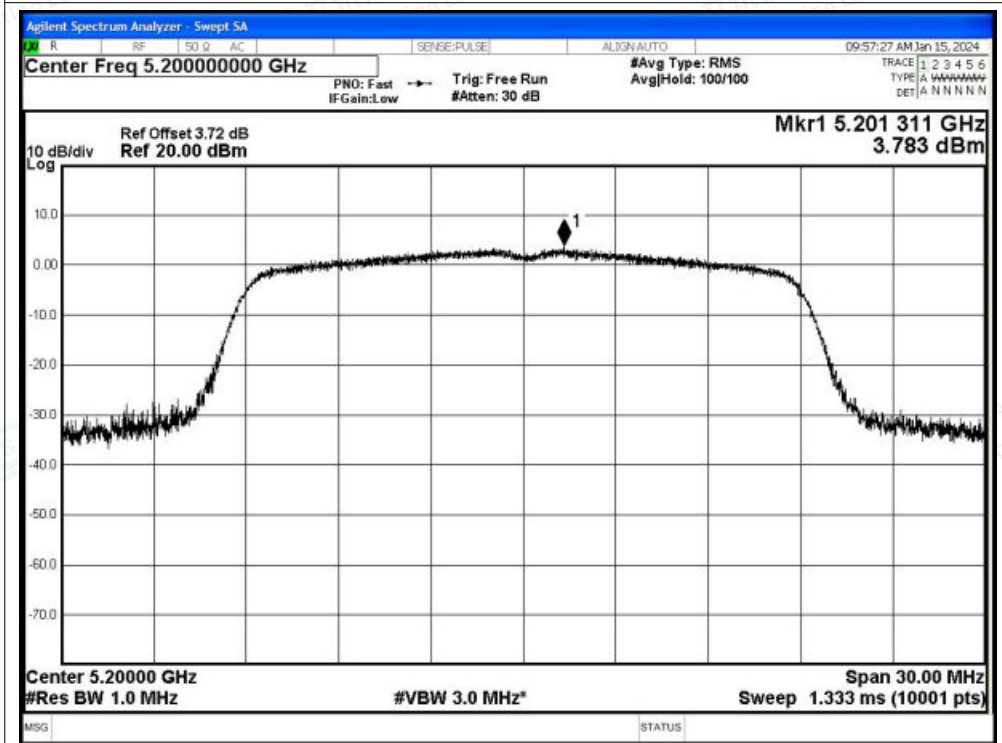


PSD NVNT n20 5180MHz Ant1

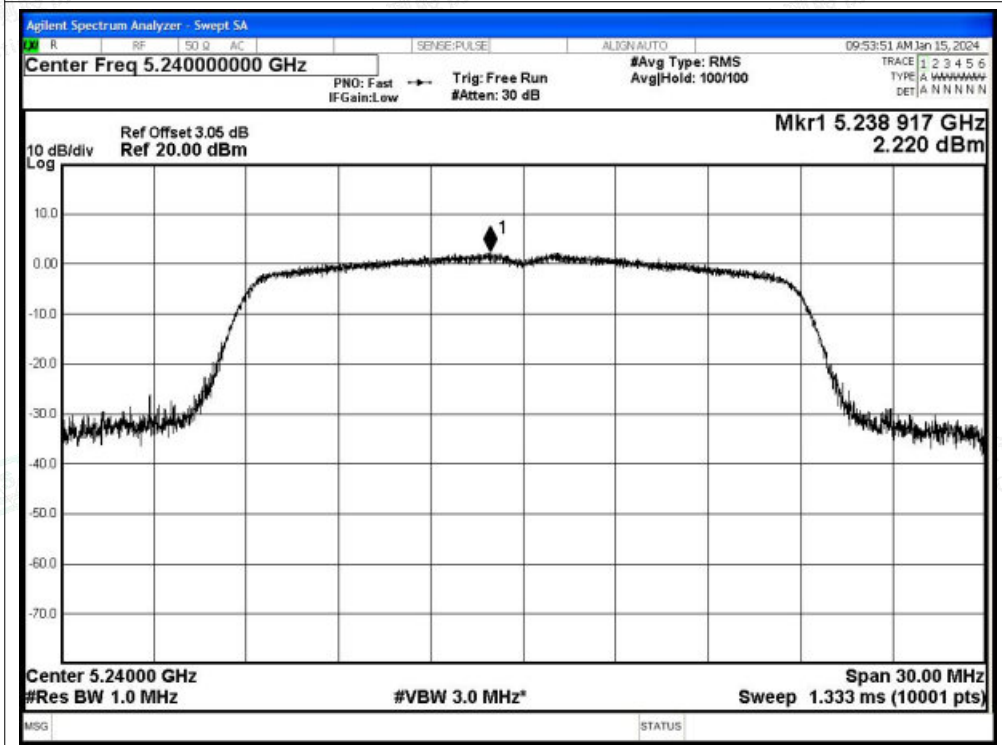




PSD NVNT n20 5200MHz Ant1

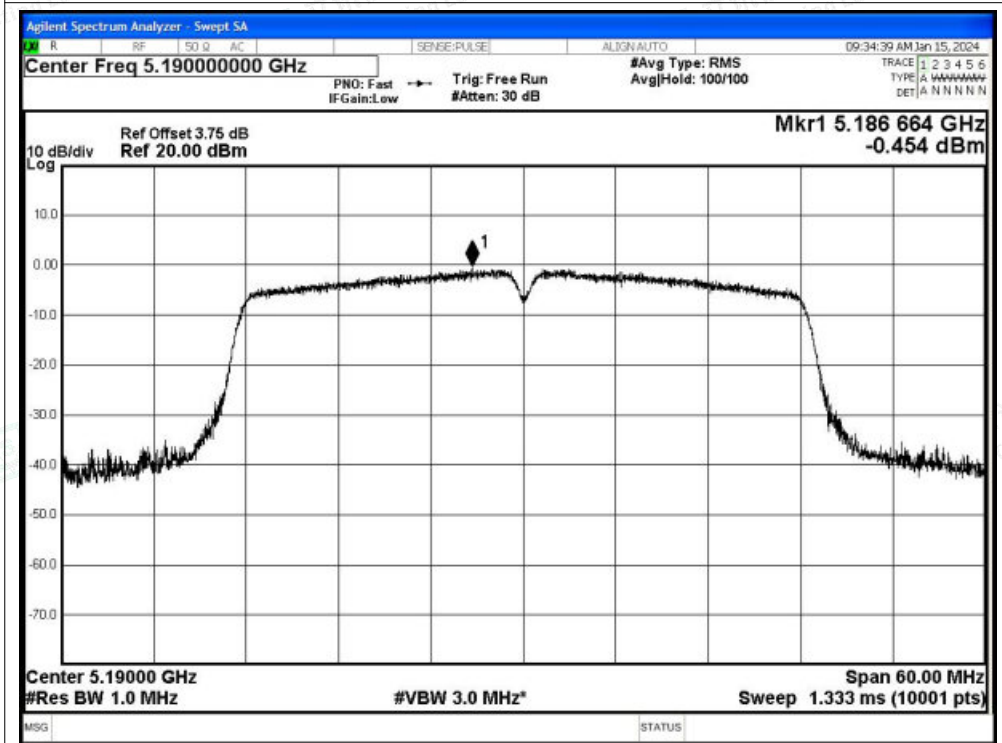


PSD NVNT n20 5240MHz Ant1

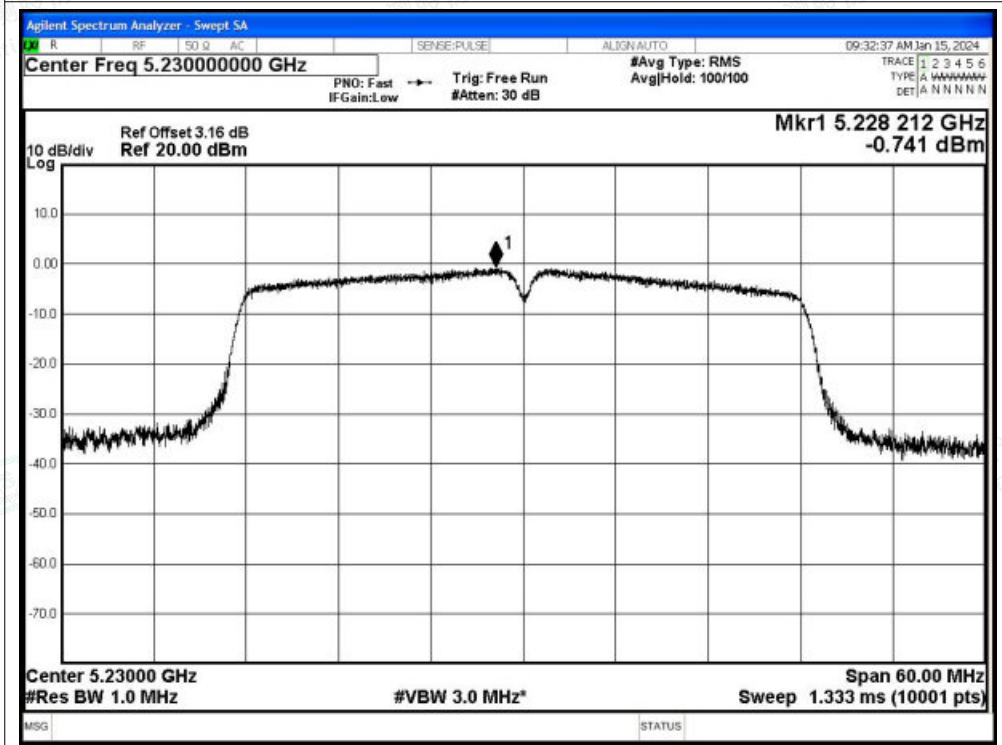


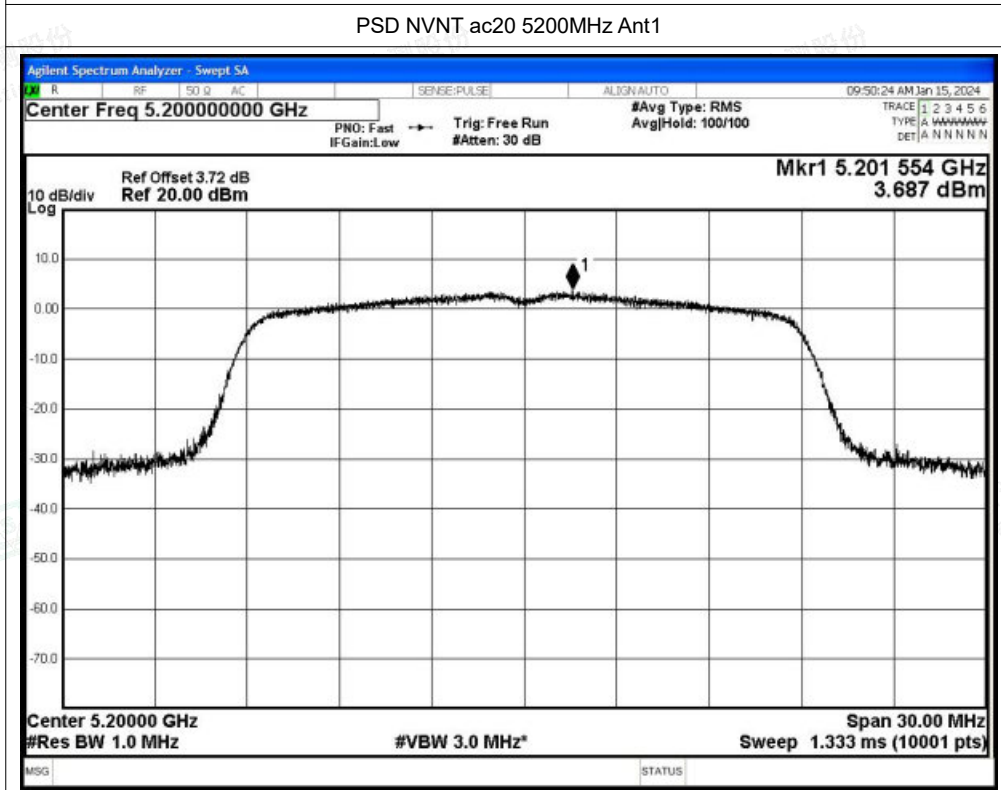
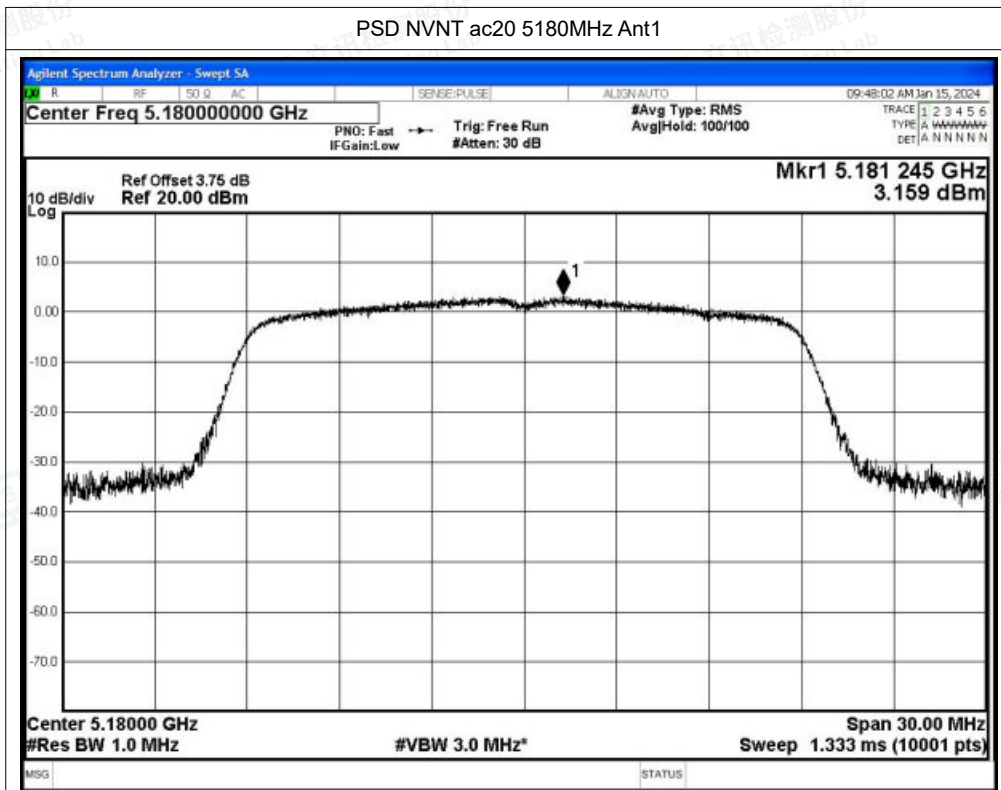


PSD NVNT n40 5190MHz Ant1



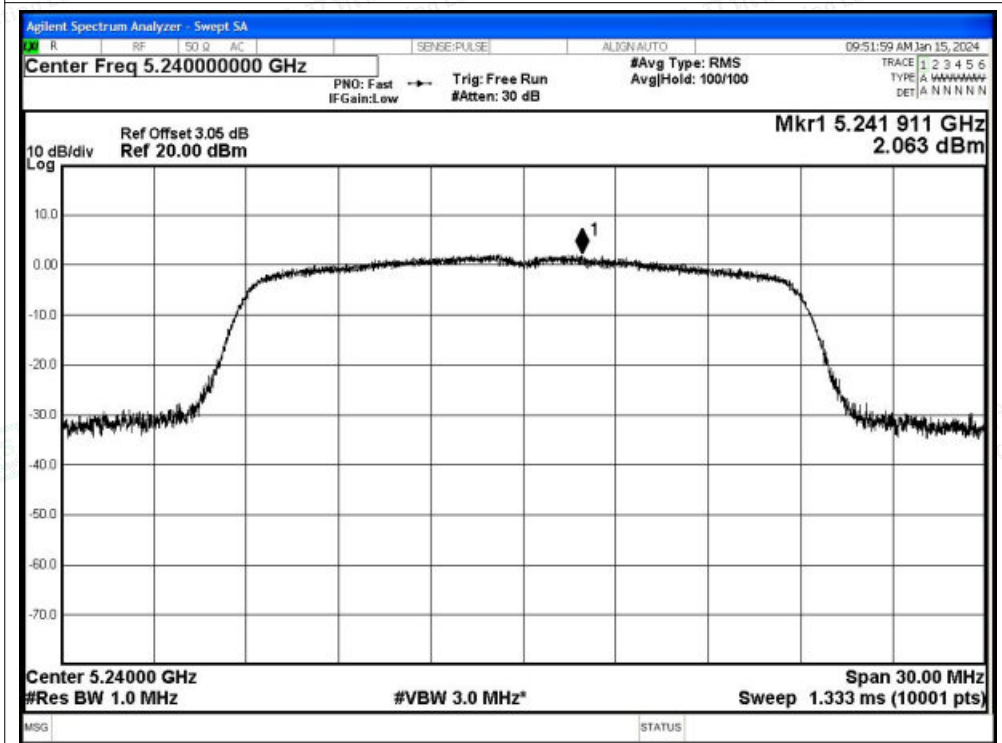
PSD NVNT n40 5230MHz Ant1



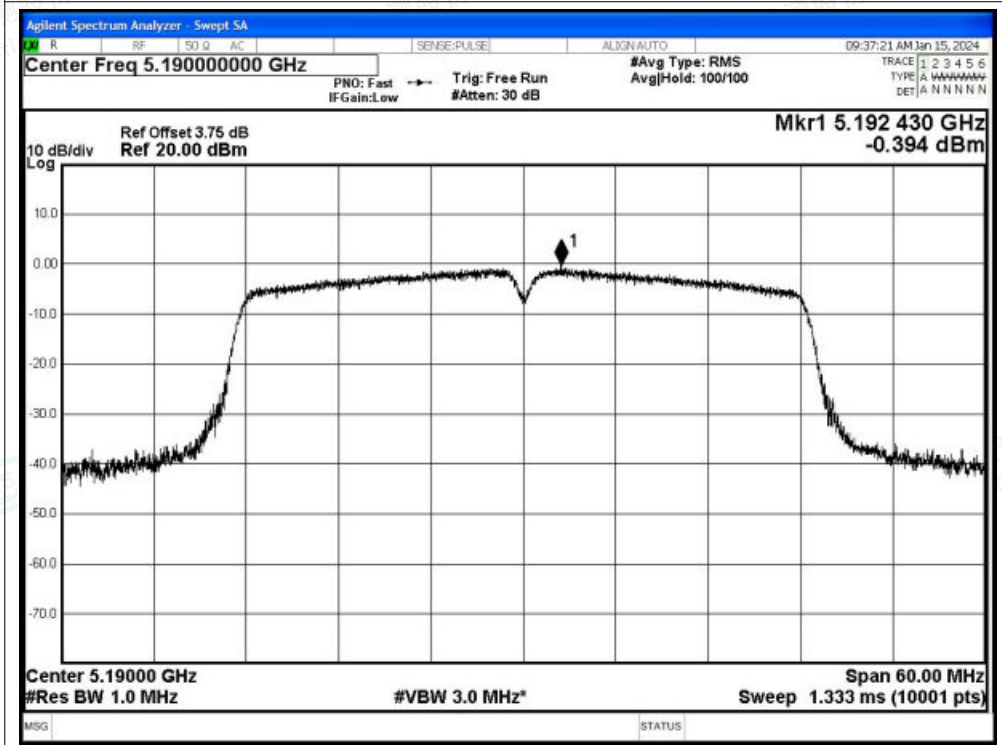




PSD NVNT ac20 5240MHz Ant1

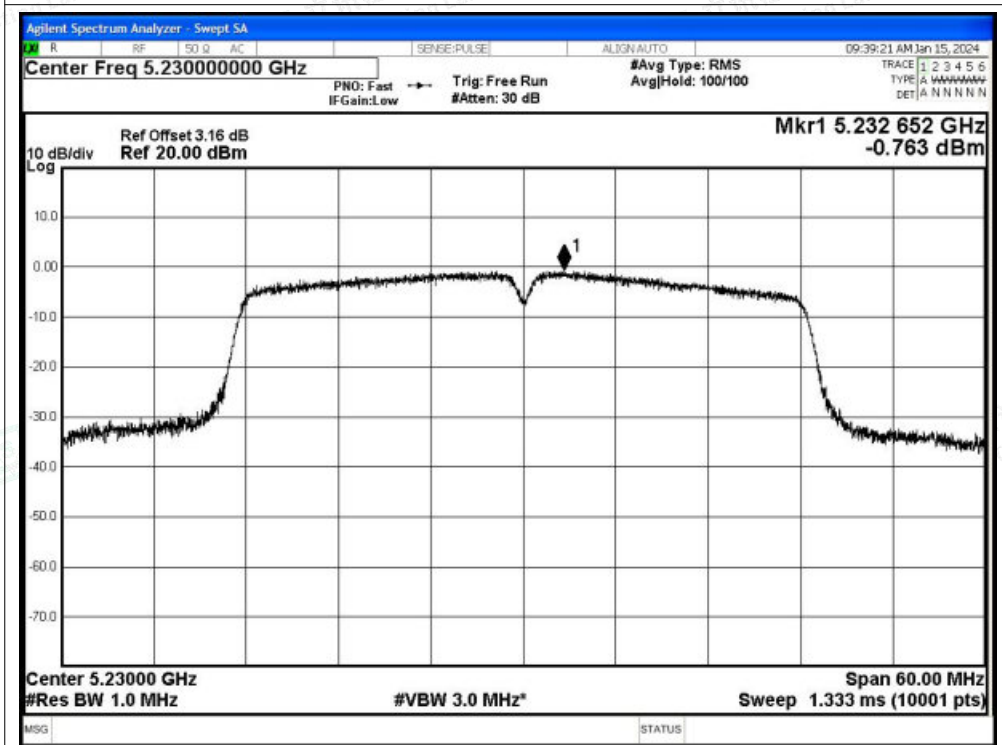


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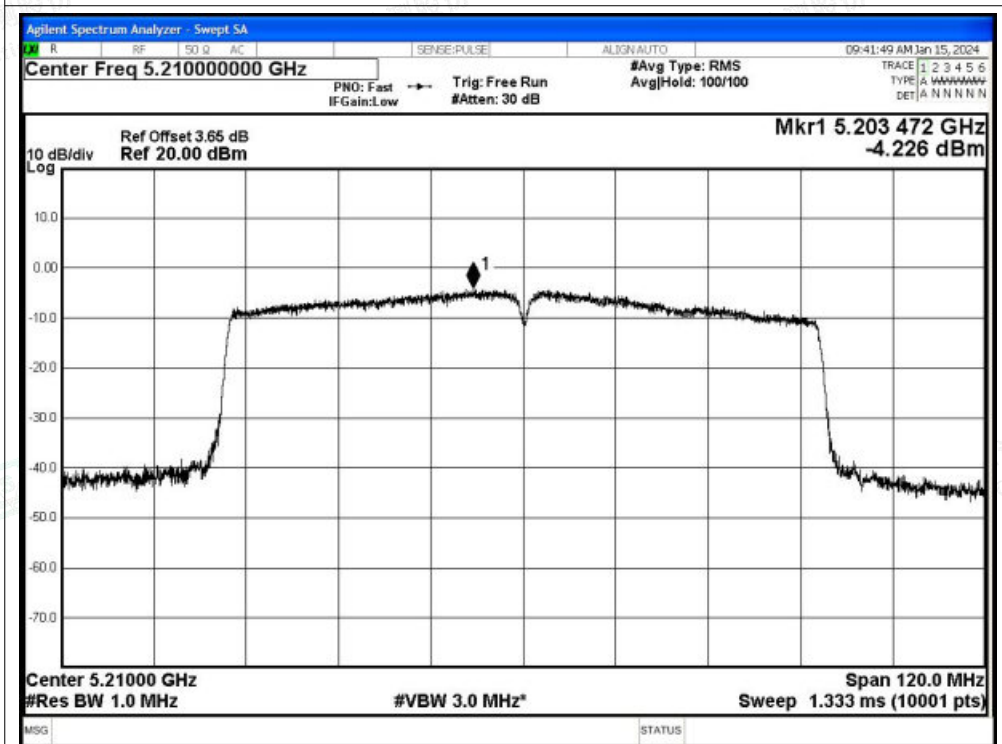




PSD NVNT ac40 5230MHz Ant1

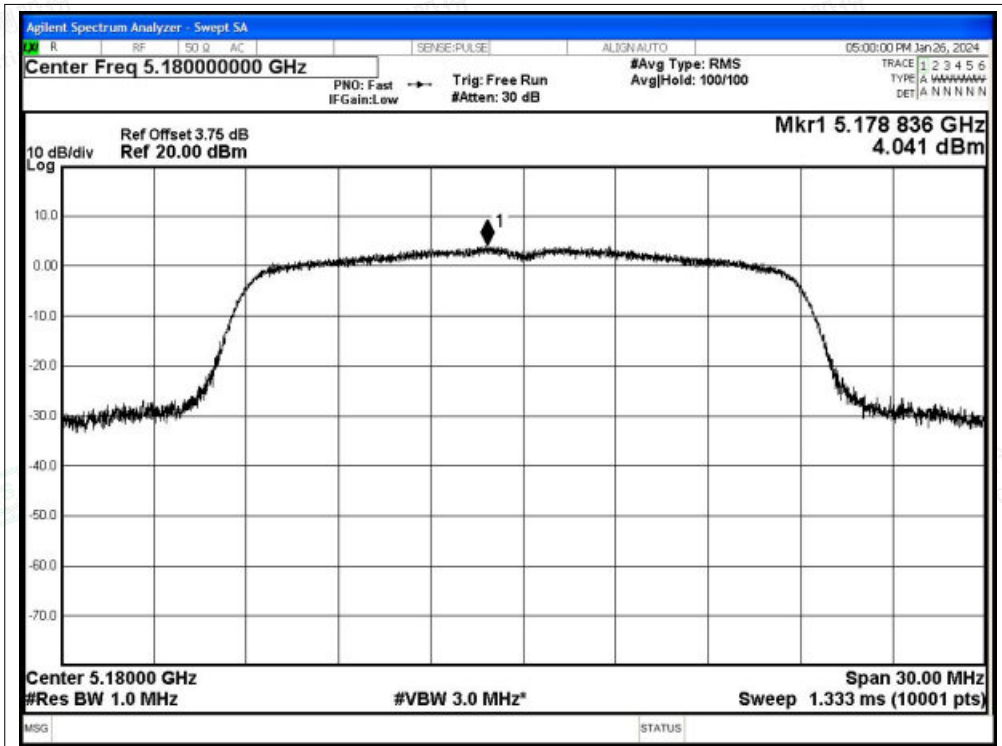


PSD NVNT ac80 5210MHz Ant1

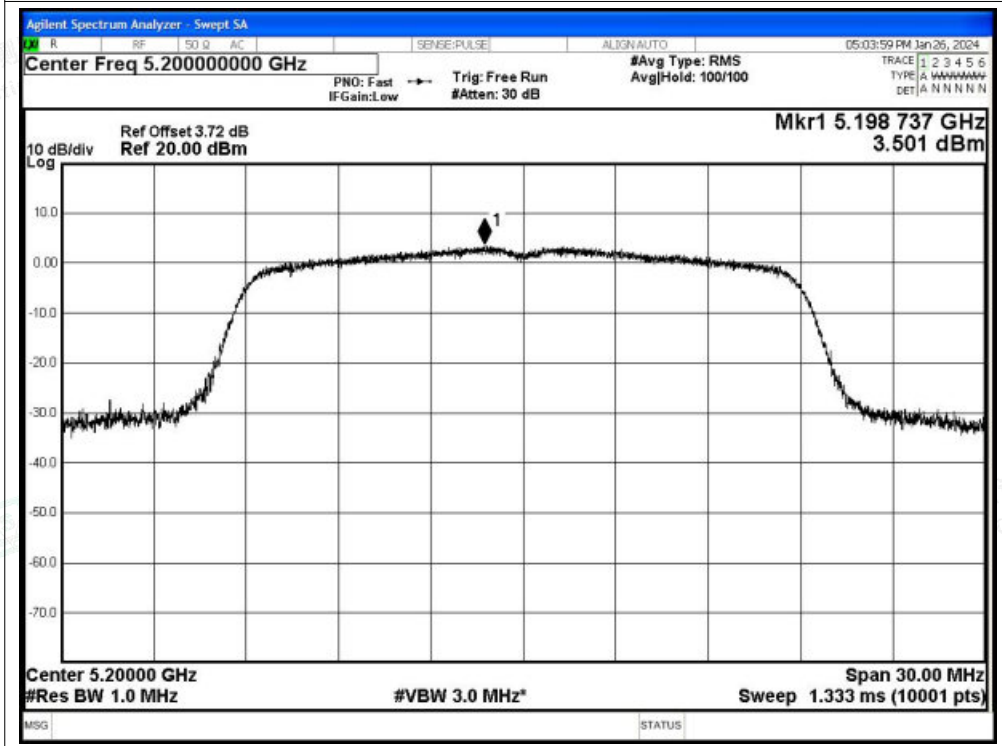


PSD NVNT ax20 5180MHz Ant1



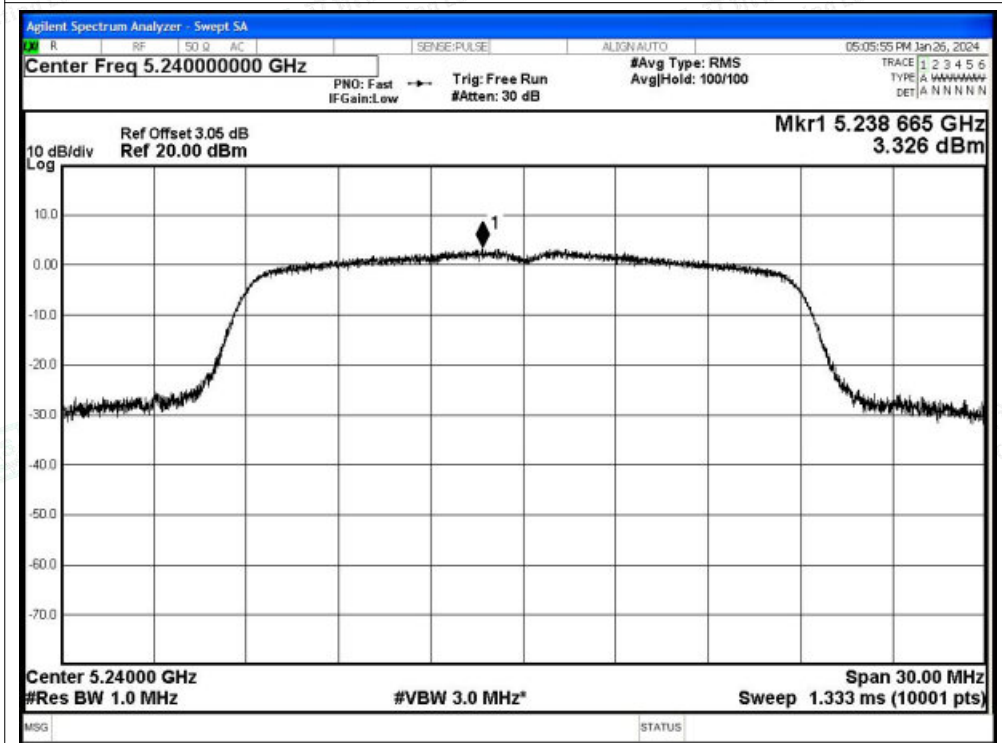


PSD NVNT ax20 5200MHz Ant1

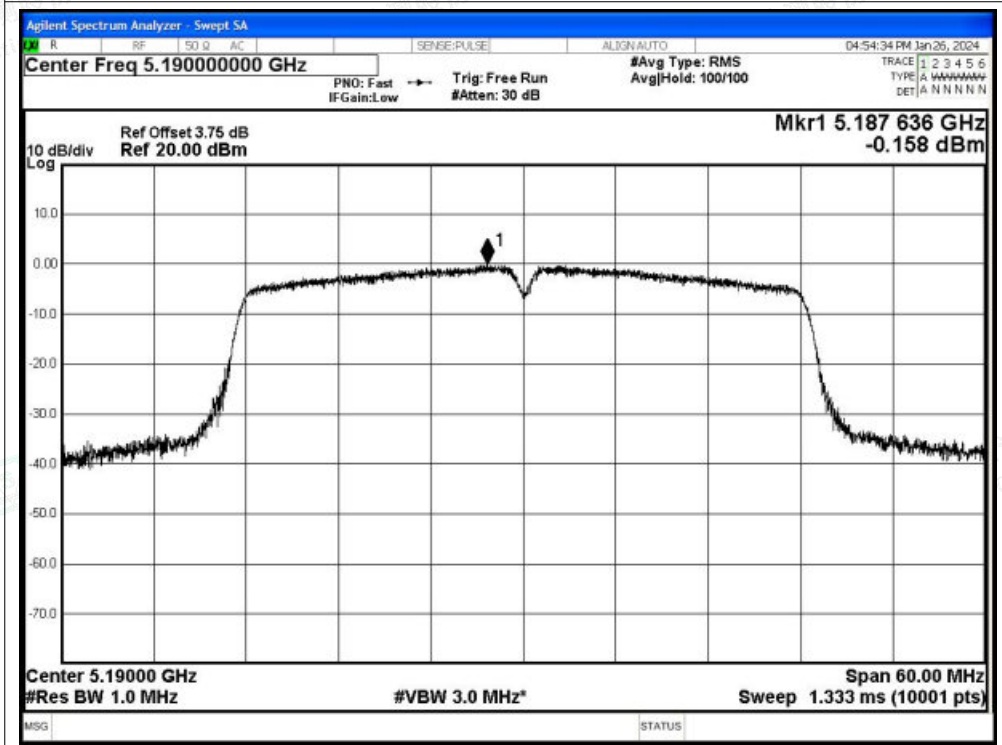




PSD NVNT ax20 5240MHz Ant1

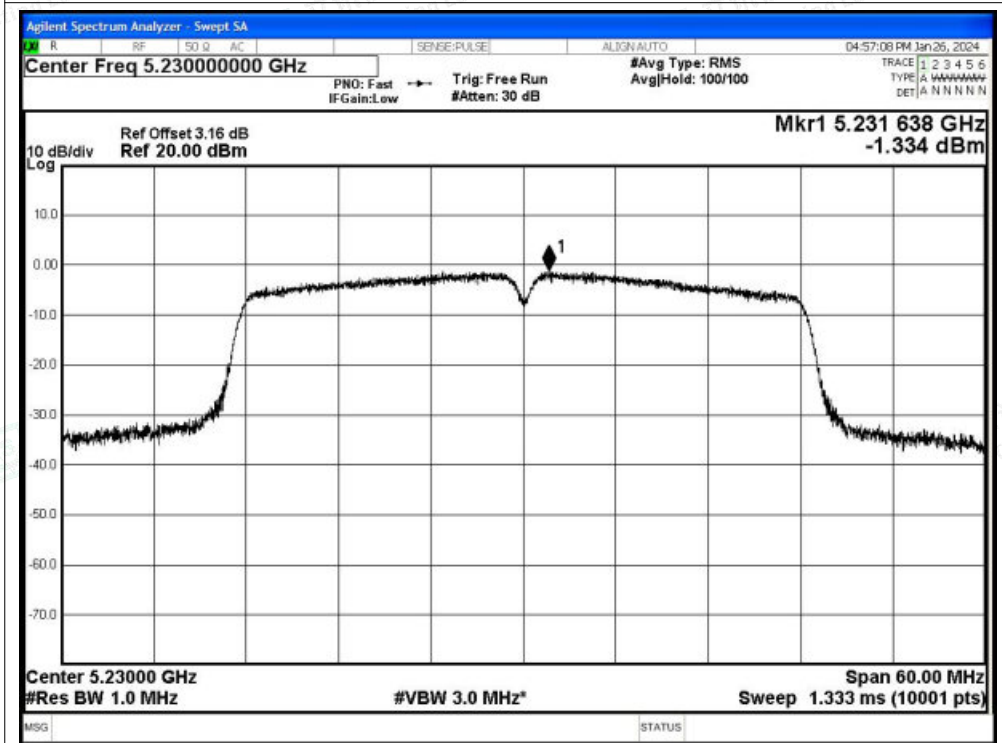


PSD NVNT ax40 5190MHz Ant1

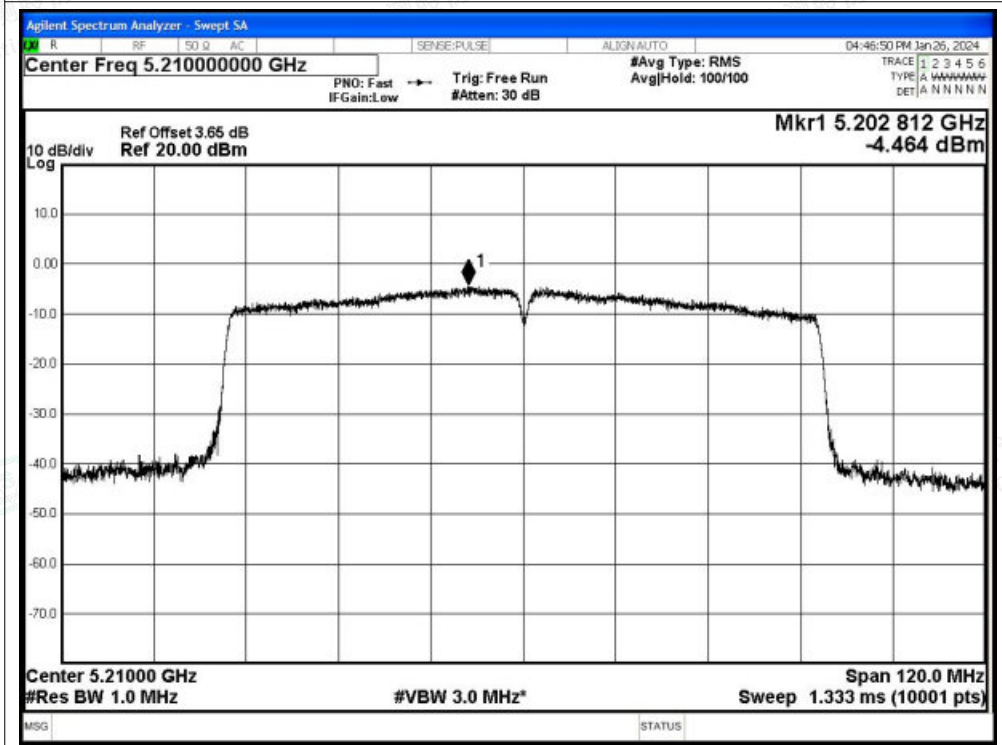




PSD NVNT ax40 5230MHz Ant1



PSD NVNT ax80 5210MHz Ant1





B.4 Restrict Band

| Condition | Mode | Frequency (MHz) | Antenna | Spur Freq (MHz) | Power (dBm) | Gain (dBi) | Duty Factor (dB) | E (dBuV/m) | Detector | Limit (dBuV/m) | Verdict |
|-----------|------|-----------------|---------|-----------------|-------------|------------|------------------|------------|----------|----------------|---------|
| NVNT | a | 5180 | Ant0 | 4500 | -50.03 | 3.96 | - | 49.19 | Peak | 74 | Pass |
| NVNT | a | 5180 | Ant0 | 4500 | -58.23 | 3.96 | 0.13 | 40.99 | Average | 54 | Pass |
| NVNT | a | 5180 | Ant0 | 5119.5 | -45.03 | 3.96 | - | 54.19 | Peak | 74 | Pass |
| NVNT | a | 5180 | Ant0 | 5141.2 | -54.11 | 3.96 | 0.13 | 45.11 | Average | 54 | Pass |
| NVNT | a | 5180 | Ant0 | 5150 | -46.01 | 3.96 | - | 53.21 | Peak | 74 | Pass |
| NVNT | a | 5180 | Ant0 | 5150 | -53.85 | 3.96 | 0.13 | 45.37 | Average | 54 | Pass |
| NVNT | a | 5240 | Ant0 | 5350 | -49.69 | 3.96 | - | 49.53 | Peak | 74 | Pass |
| NVNT | a | 5240 | Ant0 | 5350 | -56.66 | 3.96 | 0.13 | 42.56 | Average | 54 | Pass |
| NVNT | a | 5240 | Ant0 | 5384.4 | -46.24 | 3.96 | - | 52.98 | Peak | 74 | Pass |
| NVNT | a | 5240 | Ant0 | 5352.24 | -56.47 | 3.96 | 0.13 | 42.75 | Average | 54 | Pass |
| NVNT | a | 5240 | Ant0 | 5460 | -50.61 | 3.96 | - | 48.61 | Peak | 74 | Pass |
| NVNT | a | 5240 | Ant0 | 5460 | -58.35 | 3.96 | 0.13 | 40.87 | Average | 54 | Pass |
| NVNT | n20 | 5180 | Ant0 | 4500 | -49.82 | 3.96 | - | 49.4 | Peak | 74 | Pass |
| NVNT | n20 | 5180 | Ant0 | 4500 | -58.02 | 3.96 | 0.15 | 41.2 | Average | 54 | Pass |
| NVNT | n20 | 5180 | Ant0 | 5143.3 | -44.56 | 3.96 | - | 54.66 | Peak | 74 | Pass |
| NVNT | n20 | 5180 | Ant0 | 5148.9 | -54.1 | 3.96 | 0.15 | 45.12 | Average | 54 | Pass |
| NVNT | n20 | 5180 | Ant0 | 5150 | -46.99 | 3.96 | - | 52.23 | Peak | 74 | Pass |
| NVNT | n20 | 5180 | Ant0 | 5150 | -54.33 | 3.96 | 0.15 | 44.89 | Average | 54 | Pass |
| NVNT | n20 | 5240 | Ant0 | 5350 | -47.72 | 3.96 | - | 51.5 | Peak | 74 | Pass |
| NVNT | n20 | 5240 | Ant0 | 5350 | -57.16 | 3.96 | 0.15 | 42.06 | Average | 54 | Pass |
| NVNT | n20 | 5240 | Ant0 | 5353.2 | -46.96 | 3.96 | - | 52.26 | Peak | 74 | Pass |
| NVNT | n20 | 5240 | Ant0 | 5350.56 | -56.69 | 3.96 | 0.15 | 42.53 | Average | 54 | Pass |
| NVNT | n20 | 5240 | Ant0 | 5460 | -48.47 | 3.96 | - | 50.75 | Peak | 74 | Pass |
| NVNT | n20 | 5240 | Ant0 | 5460 | -58.26 | 3.96 | 0.15 | 40.96 | Average | 54 | Pass |
| NVNT | n40 | 5190 | Ant0 | 4500 | -49.98 | 3.96 | - | 49.24 | Peak | 74 | Pass |
| NVNT | n40 | 5190 | Ant0 | 4500 | -58.01 | 3.96 | 0.28 | 41.21 | Average | 54 | Pass |
| NVNT | n40 | 5190 | Ant0 | 5147.51 | -41.17 | 3.96 | - | 58.05 | Peak | 74 | Pass |
| NVNT | n40 | 5190 | Ant0 | 5148.97 | -53.69 | 3.96 | 0.28 | 45.53 | Average | 54 | Pass |
| NVNT | n40 | 5190 | Ant0 | 5150 | -45.31 | 3.96 | - | 53.91 | Peak | 74 | Pass |
| NVNT | n40 | 5190 | Ant0 | 5150 | -54.24 | 3.96 | 0.28 | 44.98 | Average | 54 | Pass |
| NVNT | n40 | 5230 | Ant0 | 5350 | -49.13 | 3.96 | - | 50.09 | Peak | 74 | Pass |
| NVNT | n40 | 5230 | Ant0 | 5350 | -57.06 | 3.96 | 0.29 | 42.16 | Average | 54 | Pass |
| NVNT | n40 | 5230 | Ant0 | 5400.6 | -46.8 | 3.96 | - | 52.42 | Peak | 74 | Pass |
| NVNT | n40 | 5230 | Ant0 | 5357.4 | -56.61 | 3.96 | 0.29 | 42.61 | Average | 54 | Pass |
| NVNT | n40 | 5230 | Ant0 | 5460 | -50.63 | 3.96 | - | 48.59 | Peak | 74 | Pass |
| NVNT | n40 | 5230 | Ant0 | 5460 | -57.45 | 3.96 | 0.29 | 41.77 | Average | 54 | Pass |



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 Scan code to check authenticity



| | | | | | | | | | | | |
|------|------|------|------|---------|--------|------|------|-------|---------|----|------|
| NVNT | ac20 | 5180 | Ant0 | 4500 | -49.8 | 3.96 | - | 49.42 | Peak | 74 | Pass |
| NVNT | ac20 | 5180 | Ant0 | 4500 | -58.22 | 3.96 | 0.14 | 41 | Average | 54 | Pass |
| NVNT | ac20 | 5180 | Ant0 | 5148.9 | -44.37 | 3.96 | - | 54.85 | Peak | 74 | Pass |
| NVNT | ac20 | 5180 | Ant0 | 5146.1 | -54.24 | 3.96 | 0.14 | 44.98 | Average | 54 | Pass |
| NVNT | ac20 | 5180 | Ant0 | 5150 | -45.32 | 3.96 | - | 53.9 | Peak | 74 | Pass |
| NVNT | ac20 | 5180 | Ant0 | 5150 | -54.45 | 3.96 | 0.14 | 44.77 | Average | 54 | Pass |
| NVNT | ac20 | 5240 | Ant0 | 5350 | -50.04 | 3.96 | - | 49.18 | Peak | 74 | Pass |
| NVNT | ac20 | 5240 | Ant0 | 5350 | -57.21 | 3.96 | 0.14 | 42.01 | Average | 54 | Pass |
| NVNT | ac20 | 5240 | Ant0 | 5359.44 | -47.17 | 3.96 | - | 52.05 | Peak | 74 | Pass |
| NVNT | ac20 | 5240 | Ant0 | 5351.76 | -56.75 | 3.96 | 0.14 | 42.47 | Average | 54 | Pass |
| NVNT | ac20 | 5240 | Ant0 | 5460 | -50.74 | 3.96 | - | 48.48 | Peak | 74 | Pass |
| NVNT | ac20 | 5240 | Ant0 | 5460 | -57.76 | 3.96 | 0.14 | 41.46 | Average | 54 | Pass |
| NVNT | ac40 | 5190 | Ant0 | 4500 | -49.63 | 3.96 | - | 49.59 | Peak | 74 | Pass |
| NVNT | ac40 | 5190 | Ant0 | 4500 | -59.03 | 3.96 | 0.28 | 40.19 | Average | 54 | Pass |
| NVNT | ac40 | 5190 | Ant0 | 5148.97 | -44.19 | 3.96 | - | 55.03 | Peak | 74 | Pass |
| NVNT | ac40 | 5190 | Ant0 | 5148.97 | -53.84 | 3.96 | 0.28 | 45.38 | Average | 54 | Pass |
| NVNT | ac40 | 5190 | Ant0 | 5150 | -45.36 | 3.96 | - | 53.86 | Peak | 74 | Pass |
| NVNT | ac40 | 5190 | Ant0 | 5150 | -54.03 | 3.96 | 0.28 | 45.19 | Average | 54 | Pass |
| NVNT | ac40 | 5230 | Ant0 | 5350 | -49.6 | 3.96 | - | 49.62 | Peak | 74 | Pass |
| NVNT | ac40 | 5230 | Ant0 | 5350 | -57.31 | 3.96 | 0.28 | 41.91 | Average | 54 | Pass |
| NVNT | ac40 | 5230 | Ant0 | 5451.36 | -46.99 | 3.96 | - | 52.23 | Peak | 74 | Pass |
| NVNT | ac40 | 5230 | Ant0 | 5356.86 | -56.56 | 3.96 | 0.28 | 42.66 | Average | 54 | Pass |
| NVNT | ac40 | 5230 | Ant0 | 5460 | -50.11 | 3.96 | - | 49.11 | Peak | 74 | Pass |
| NVNT | ac40 | 5230 | Ant0 | 5460 | -57.61 | 3.96 | 0.28 | 41.61 | Average | 54 | Pass |
| NVNT | ac80 | 5210 | Ant0 | 5350 | -49.29 | 3.96 | - | 49.93 | Peak | 74 | Pass |
| NVNT | ac80 | 5210 | Ant0 | 5350 | -56.6 | 3.96 | 0.55 | 42.62 | Average | 54 | Pass |
| NVNT | ac80 | 5210 | Ant0 | 5369.25 | -46.04 | 3.96 | - | 53.18 | Peak | 74 | Pass |
| NVNT | ac80 | 5210 | Ant0 | 5377.83 | -56.37 | 3.96 | 0.55 | 42.85 | Average | 54 | Pass |
| NVNT | ac80 | 5210 | Ant0 | 5460 | -49.98 | 3.96 | - | 49.24 | Peak | 74 | Pass |
| NVNT | ac80 | 5210 | Ant0 | 5460 | -57.28 | 3.96 | 0.55 | 41.94 | Average | 54 | Pass |
| NVNT | ac80 | 5210 | Ant0 | 4500 | -51.14 | 3.96 | - | 48.08 | Peak | 74 | Pass |
| NVNT | ac80 | 5210 | Ant0 | 4500 | -58.2 | 3.96 | 0.55 | 41.02 | Average | 54 | Pass |
| NVNT | ac80 | 5210 | Ant0 | 5146.22 | -42.31 | 3.96 | - | 56.91 | Peak | 74 | Pass |
| NVNT | ac80 | 5210 | Ant0 | 5149.38 | -52.59 | 3.96 | 0.55 | 46.63 | Average | 54 | Pass |
| NVNT | ac80 | 5210 | Ant0 | 5150 | -44.71 | 3.96 | - | 54.51 | Peak | 74 | Pass |
| NVNT | ac80 | 5210 | Ant0 | 5150 | -52.52 | 3.96 | 0.55 | 46.7 | Average | 54 | Pass |
| NVNT | ax20 | 5180 | Ant0 | 4500 | -50.25 | 3.96 | - | 48.97 | Peak | 74 | Pass |
| NVNT | ax20 | 5180 | Ant0 | 4500 | -58.59 | 3.96 | 0.14 | 40.63 | Average | 54 | Pass |
| NVNT | ax20 | 5180 | Ant0 | 5141.2 | -44.53 | 3.96 | - | 54.69 | Peak | 74 | Pass |
| NVNT | ax20 | 5180 | Ant0 | 5145.4 | -54.38 | 3.96 | 0.14 | 44.84 | Average | 54 | Pass |
| NVNT | ax20 | 5180 | Ant0 | 5150 | -44.55 | 3.96 | - | 54.67 | Peak | 74 | Pass |





| | | | | | | | | | | | |
|------|------|------|------|---------|--------|------|------|-------|---------|----|------|
| NVNT | ax20 | 5180 | Ant0 | 5150 | -54.9 | 3.96 | 0.14 | 44.32 | Average | 54 | Pass |
| NVNT | ax20 | 5240 | Ant0 | 5350 | -50.1 | 3.96 | - | 49.12 | Peak | 74 | Pass |
| NVNT | ax20 | 5240 | Ant0 | 5350 | -57.46 | 3.96 | 0.14 | 41.76 | Average | 54 | Pass |
| NVNT | ax20 | 5240 | Ant0 | 5394.96 | -45.82 | 3.96 | - | 53.4 | Peak | 74 | Pass |
| NVNT | ax20 | 5240 | Ant0 | 5350.56 | -56.6 | 3.96 | 0.14 | 42.62 | Average | 54 | Pass |
| NVNT | ax20 | 5240 | Ant0 | 5460 | -49.15 | 3.96 | - | 50.07 | Peak | 74 | Pass |
| NVNT | ax20 | 5240 | Ant0 | 5460 | -58.21 | 3.96 | 0.14 | 41.01 | Average | 54 | Pass |
| NVNT | ax40 | 5190 | Ant0 | 4500 | -50.05 | 3.96 | - | 49.17 | Peak | 74 | Pass |
| NVNT | ax40 | 5190 | Ant0 | 4500 | -58.35 | 3.96 | 0.28 | 40.87 | Average | 54 | Pass |
| NVNT | ax40 | 5190 | Ant0 | 5149.7 | -44.95 | 3.96 | - | 54.27 | Peak | 74 | Pass |
| NVNT | ax40 | 5190 | Ant0 | 5149.7 | -54.11 | 3.96 | 0.28 | 45.11 | Average | 54 | Pass |
| NVNT | ax40 | 5190 | Ant0 | 5150 | -44.95 | 3.96 | - | 54.27 | Peak | 74 | Pass |
| NVNT | ax40 | 5190 | Ant0 | 5150 | -54.11 | 3.96 | 0.28 | 45.11 | Average | 54 | Pass |
| NVNT | ax40 | 5230 | Ant0 | 5350 | -50.25 | 3.96 | - | 48.97 | Peak | 74 | Pass |
| NVNT | ax40 | 5230 | Ant0 | 5350 | -57.22 | 3.96 | 0.28 | 42 | Average | 54 | Pass |
| NVNT | ax40 | 5230 | Ant0 | 5353.89 | -46.72 | 3.96 | - | 52.5 | Peak | 74 | Pass |
| NVNT | ax40 | 5230 | Ant0 | 5371.71 | -56.67 | 3.96 | 0.28 | 42.55 | Average | 54 | Pass |
| NVNT | ax40 | 5230 | Ant0 | 5460 | -50.18 | 3.96 | - | 49.04 | Peak | 74 | Pass |
| NVNT | ax40 | 5230 | Ant0 | 5460 | -58.86 | 3.96 | 0.28 | 40.36 | Average | 54 | Pass |
| NVNT | ax80 | 5210 | Ant0 | 5350 | -48.54 | 3.96 | - | 50.68 | Peak | 74 | Pass |
| NVNT | ax80 | 5210 | Ant0 | 5350 | -57.42 | 3.96 | 0.55 | 41.8 | Average | 54 | Pass |
| NVNT | ax80 | 5210 | Ant0 | 5369.91 | -46.73 | 3.96 | - | 52.49 | Peak | 74 | Pass |
| NVNT | ax80 | 5210 | Ant0 | 5371.56 | -56.77 | 3.96 | 0.55 | 42.45 | Average | 54 | Pass |
| NVNT | ax80 | 5210 | Ant0 | 5460 | -49.9 | 3.96 | - | 49.32 | Peak | 74 | Pass |
| NVNT | ax80 | 5210 | Ant0 | 5460 | -57.52 | 3.96 | 0.55 | 41.7 | Average | 54 | Pass |
| NVNT | ax80 | 5210 | Ant0 | 4500 | -50.93 | 3.96 | - | 48.29 | Peak | 74 | Pass |
| NVNT | ax80 | 5210 | Ant0 | 4500 | -58.25 | 3.96 | 0.55 | 40.97 | Average | 54 | Pass |
| NVNT | ax80 | 5210 | Ant0 | 5141.48 | -42.01 | 3.96 | - | 57.21 | Peak | 74 | Pass |
| NVNT | ax80 | 5210 | Ant0 | 5148.59 | -52.37 | 3.96 | 0.55 | 46.85 | Average | 54 | Pass |
| NVNT | ax80 | 5210 | Ant0 | 5150 | -42.93 | 3.96 | - | 56.29 | Peak | 74 | Pass |
| NVNT | ax80 | 5210 | Ant0 | 5150 | -52.37 | 3.96 | 0.55 | 46.85 | Average | 54 | Pass |



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