



Appendix A

RF Test Data for 2.4GWIFI (Conducted Measurement)

Product Name: Wi-Fi Router

Test Model: WR3000

Environmental Conditions

| | |
|--------------------|-----------|
| Temperature: | 23.8° C |
| Relative Humidity: | 52.1% |
| ATM Pressure: | 100.0 kPa |
| Test Engineer: | Taylor Hu |
| Supervised by: | Ling Zhu |





A.1 -6dB Bandwidth

| Condition | Mode | Frequency (MHz) | Antenna | -6 dB Bandwidth (MHz) | Limit -6 dB Bandwidth (MHz) | Verdict |
|-----------|------|-----------------|---------|-----------------------|-----------------------------|---------|
| NVNT | b | 2412 | Ant0 | 7.54 | >=0.5 | Pass |
| NVNT | b | 2437 | Ant0 | 7.954 | >=0.5 | Pass |
| NVNT | b | 2462 | Ant0 | 7.276 | >=0.5 | Pass |
| NVNT | g | 2412 | Ant0 | 15.897 | >=0.5 | Pass |
| NVNT | g | 2437 | Ant0 | 15.868 | >=0.5 | Pass |
| NVNT | g | 2462 | Ant0 | 16.369 | >=0.5 | Pass |
| NVNT | n20 | 2412 | Ant0 | 17.678 | >=0.5 | Pass |
| NVNT | n20 | 2437 | Ant0 | 15.673 | >=0.5 | Pass |
| NVNT | n20 | 2462 | Ant0 | 17.542 | >=0.5 | Pass |
| NVNT | n40 | 2422 | Ant0 | 24.724 | >=0.5 | Pass |
| NVNT | n40 | 2437 | Ant0 | 35.039 | >=0.5 | Pass |
| NVNT | n40 | 2452 | Ant0 | 31.618 | >=0.5 | Pass |
| NVNT | ax20 | 2412 | Ant0 | 18.288 | >=0.5 | Pass |
| NVNT | ax20 | 2437 | Ant0 | 17.068 | >=0.5 | Pass |
| NVNT | ax20 | 2462 | Ant0 | 17.77 | >=0.5 | Pass |
| NVNT | ax40 | 2422 | Ant0 | 35.106 | >=0.5 | Pass |
| NVNT | ax40 | 2437 | Ant0 | 36.038 | >=0.5 | Pass |
| NVNT | ax40 | 2452 | Ant0 | 35.115 | >=0.5 | Pass |



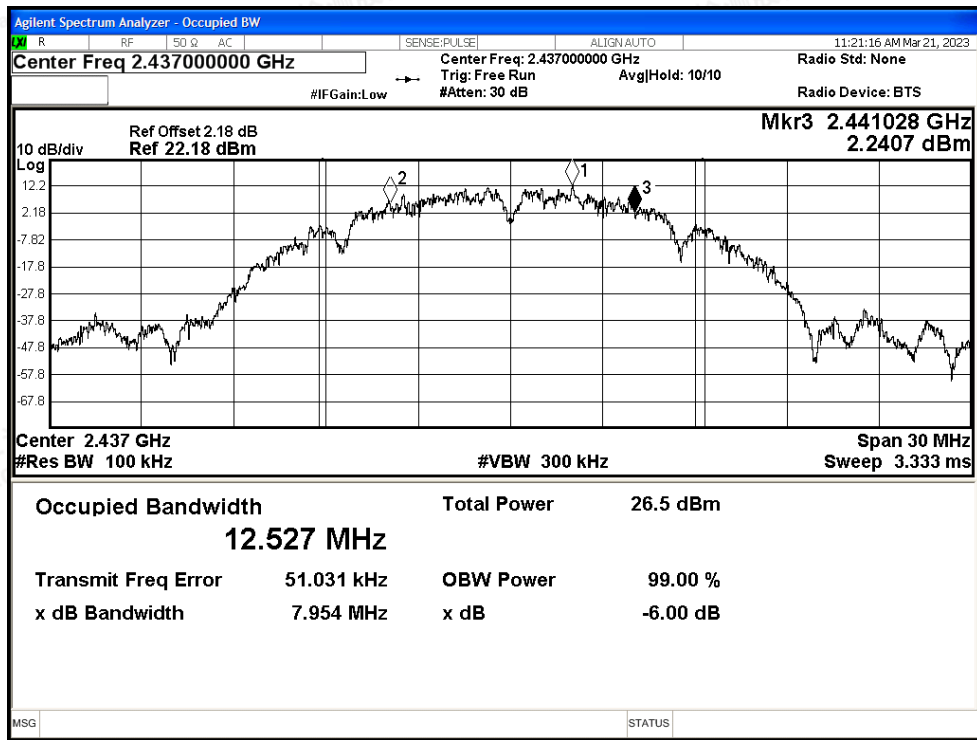


Test Graphs

-6dB Bandwidth NVNT b 2412MHz Ant0

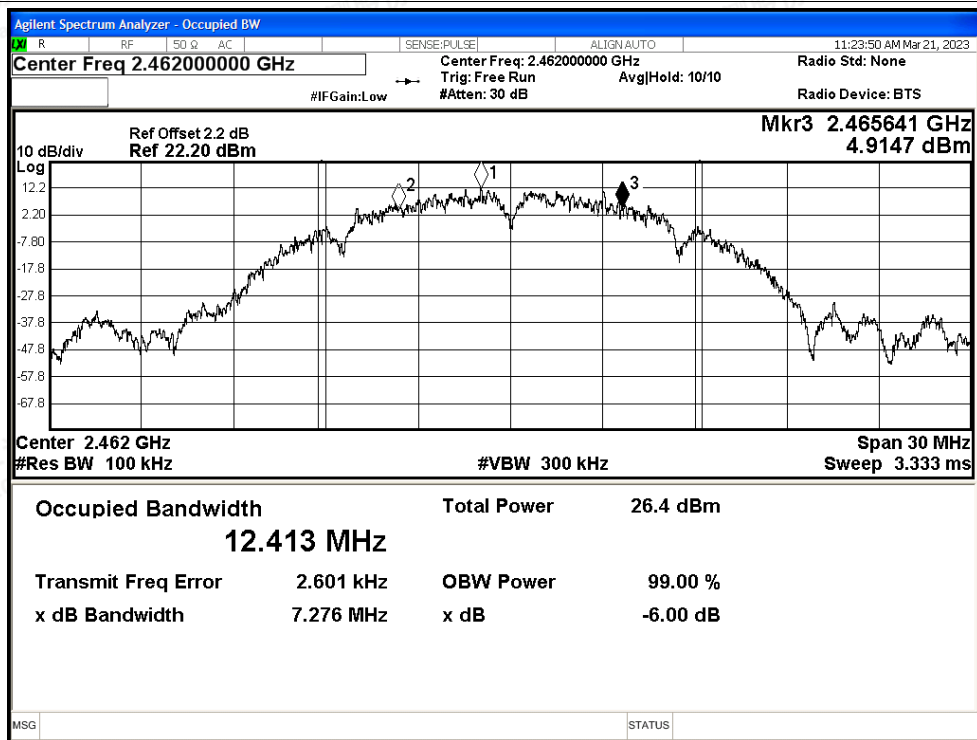


-6dB Bandwidth NVNT b 2437MHz Ant0

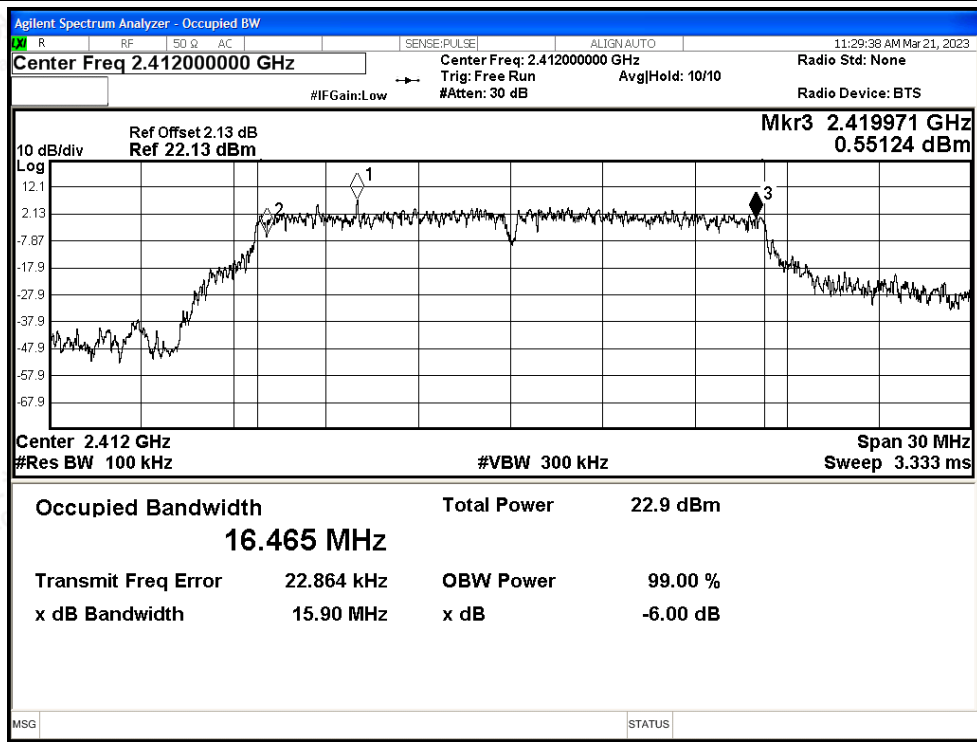




-6dB Bandwidth NVNT b 2462MHz Ant0

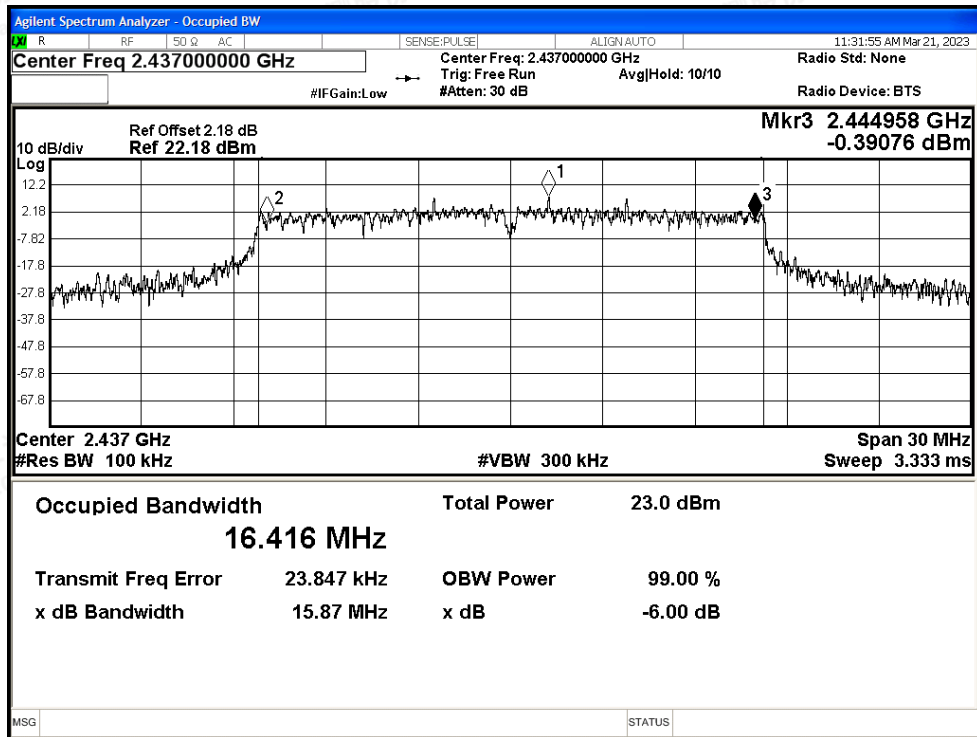


-6dB Bandwidth NVNT g 2412MHz Ant0

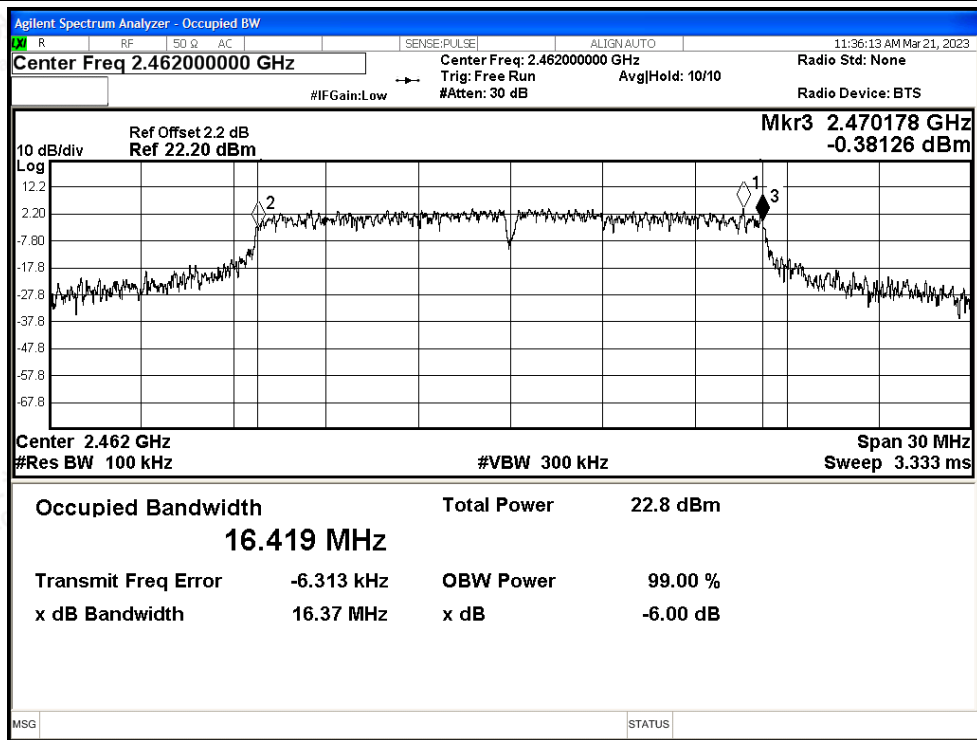




-6dB Bandwidth NVNT g 2437MHz Ant0

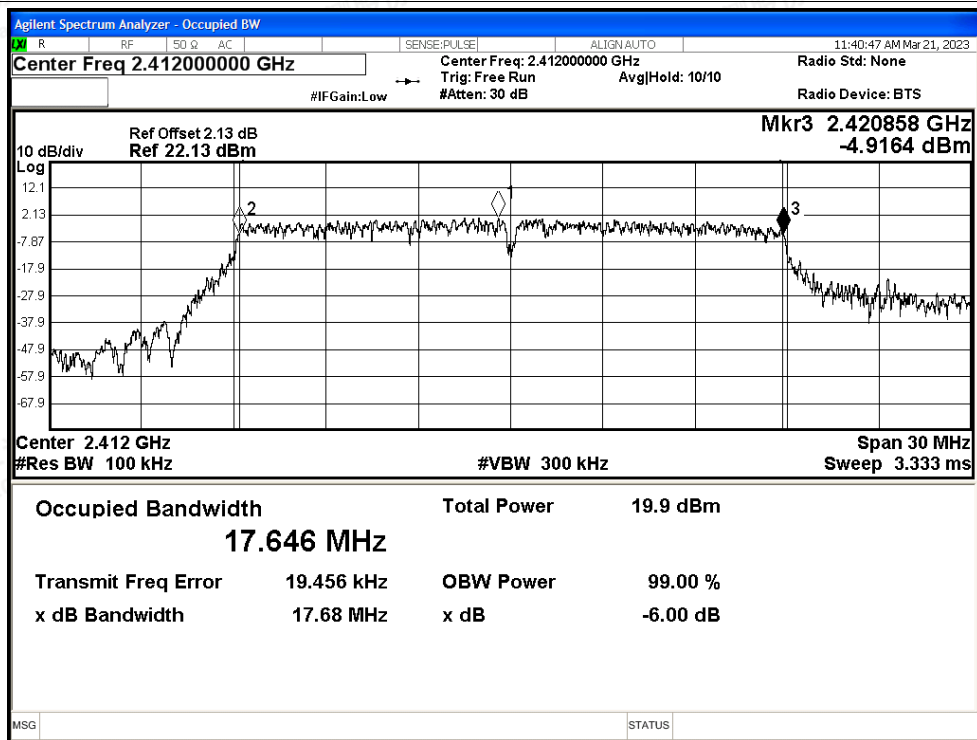


-6dB Bandwidth NVNT g 2462MHz Ant0

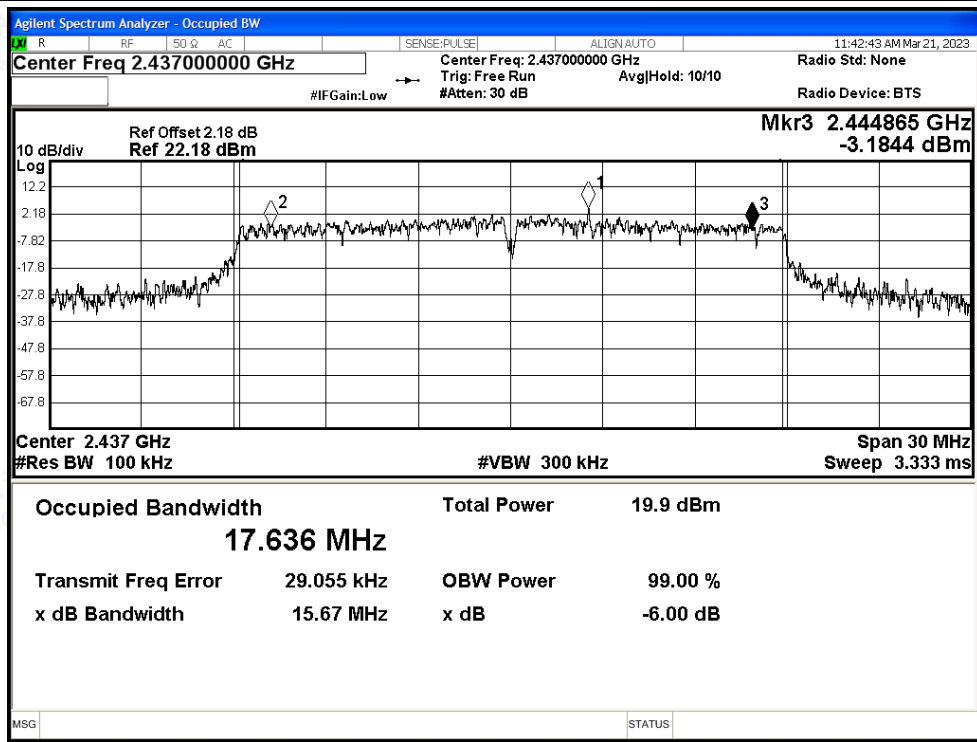




-6dB Bandwidth NVNT n20 2412MHz Ant0

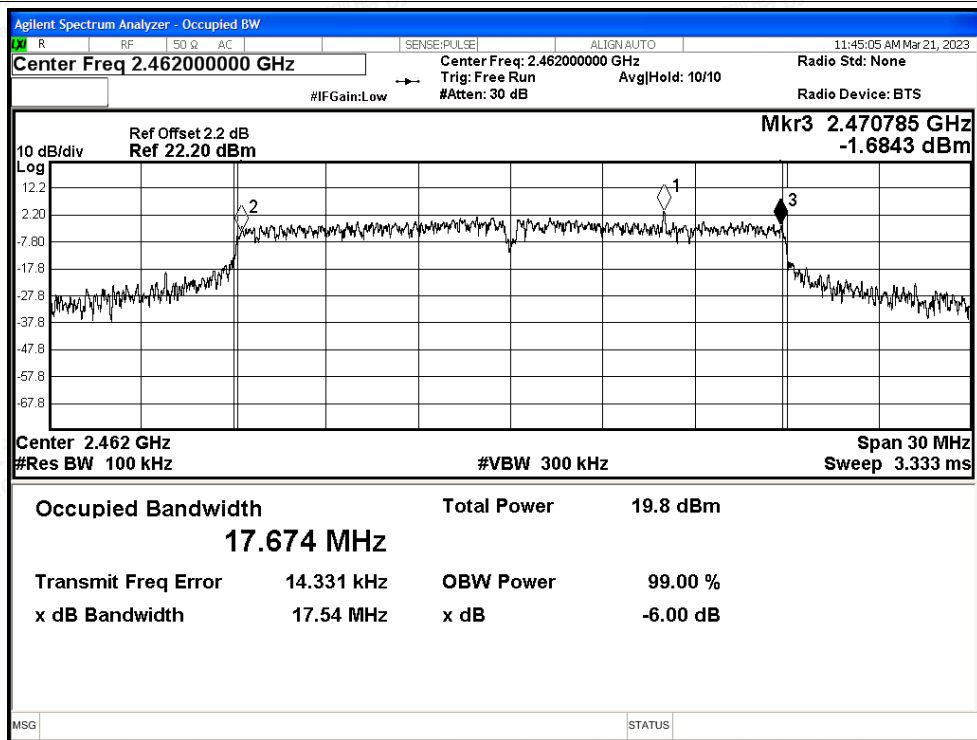


-6dB Bandwidth NVNT n20 2437MHz Ant0

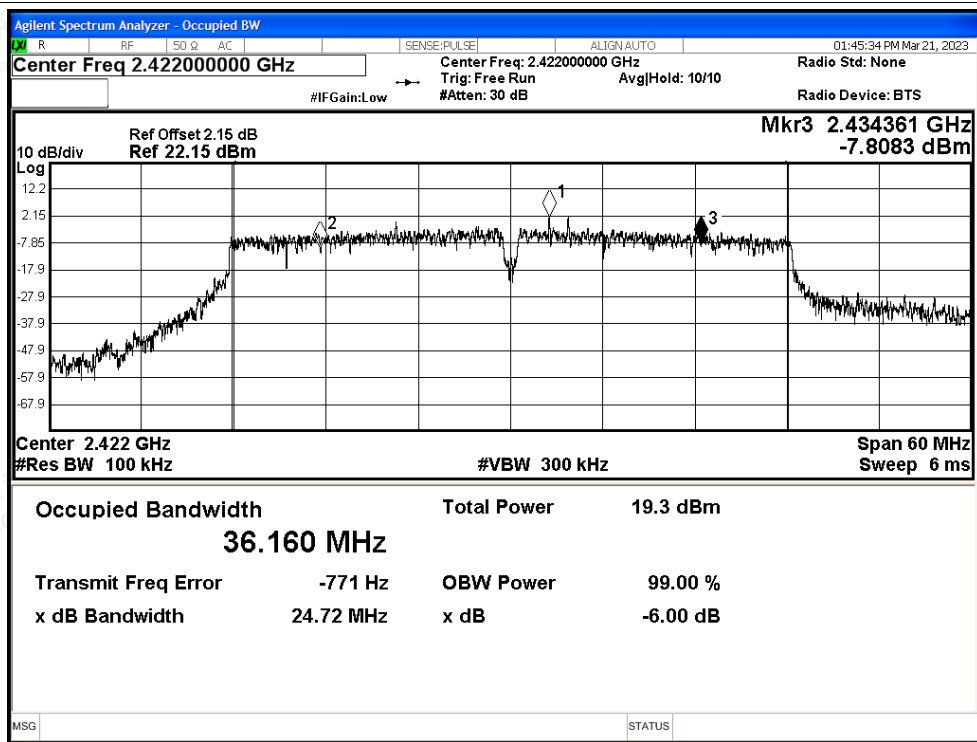




-6dB Bandwidth NVNT n20 2462MHz Ant0

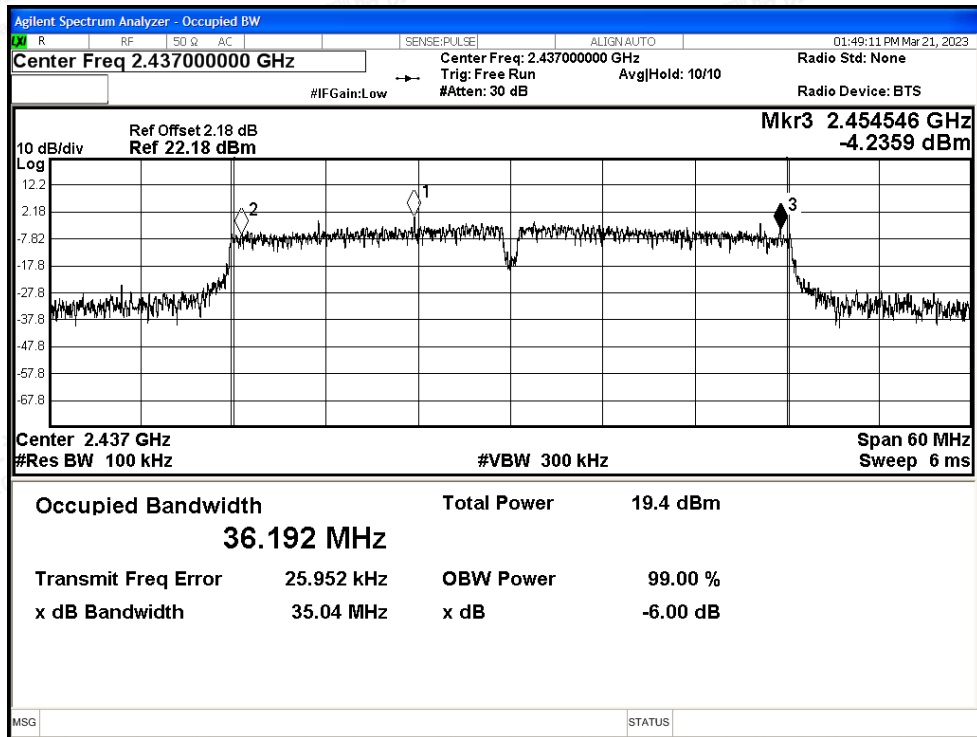


-6dB Bandwidth NVNT n40 2422MHz Ant0

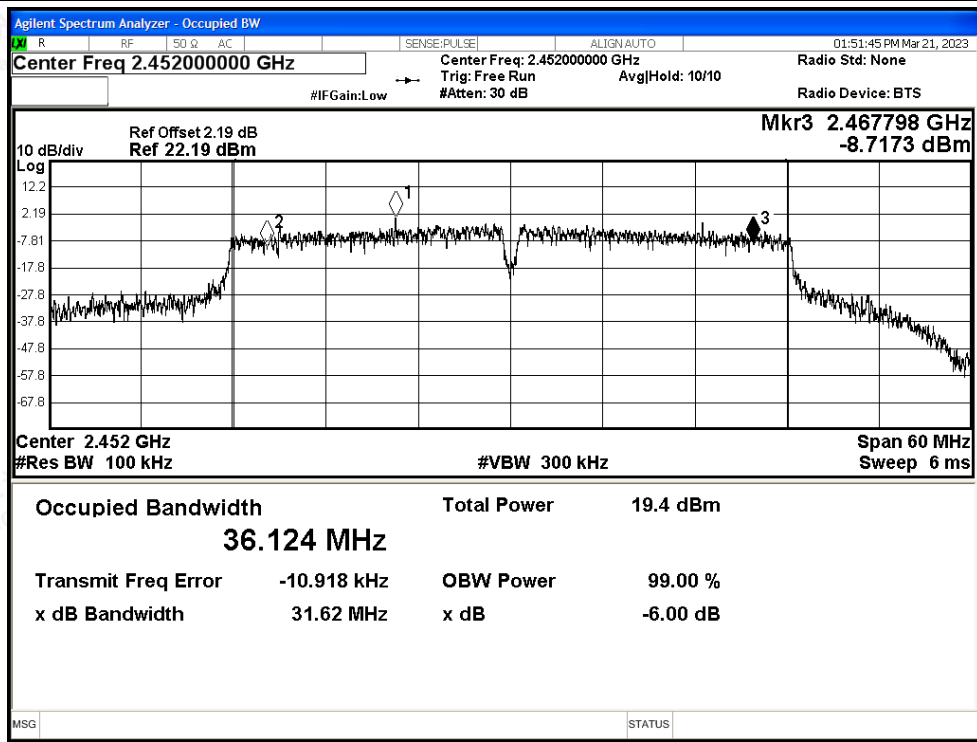




-6dB Bandwidth NVNT n40 2437MHz Ant0

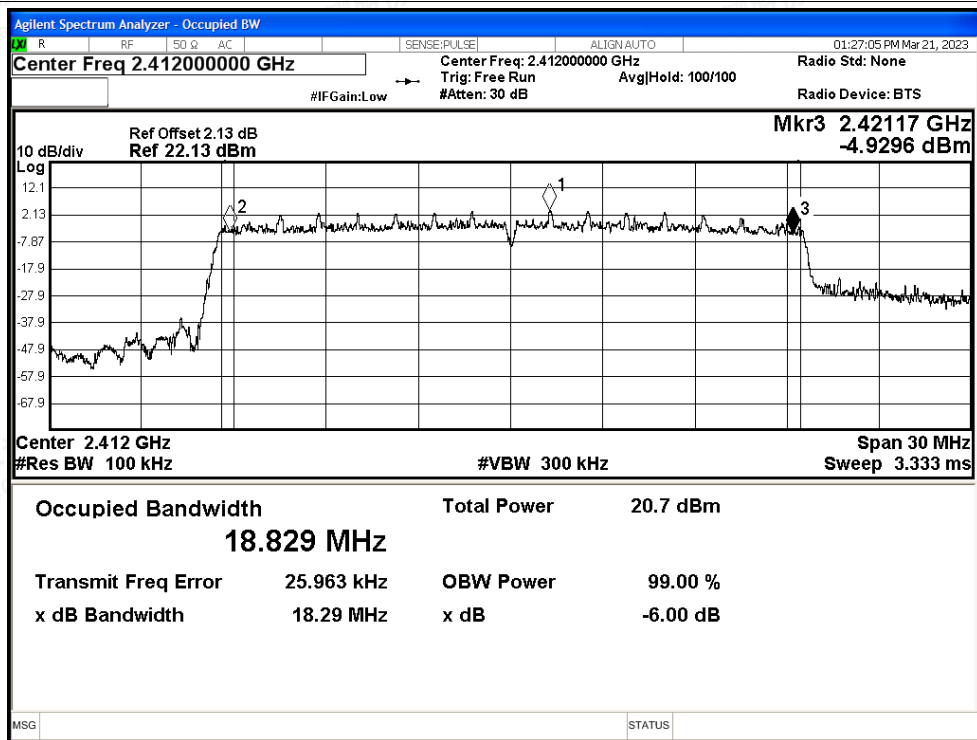


-6dB Bandwidth NVNT n40 2452MHz Ant0

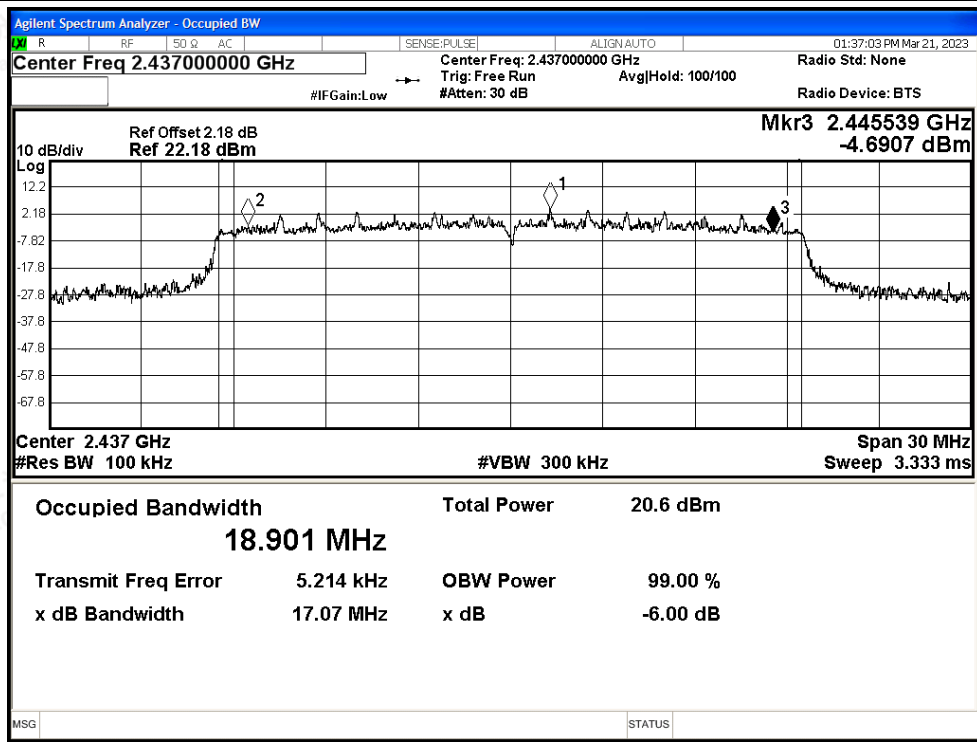


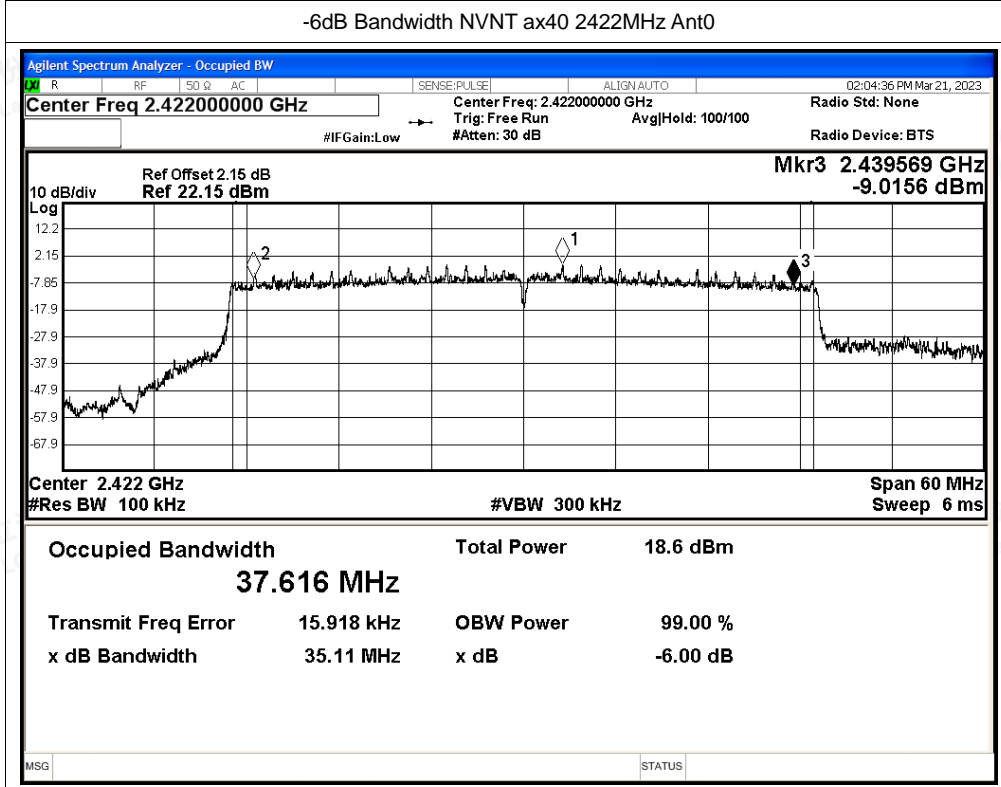
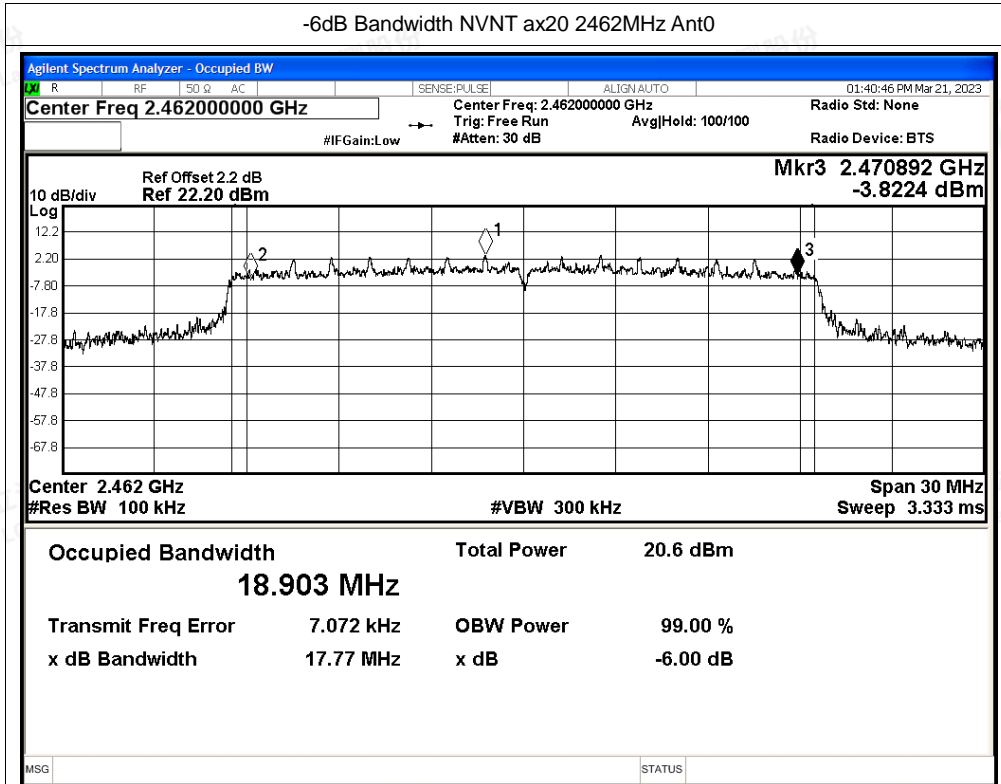


-6dB Bandwidth NVNT ax20 2412MHz Ant0



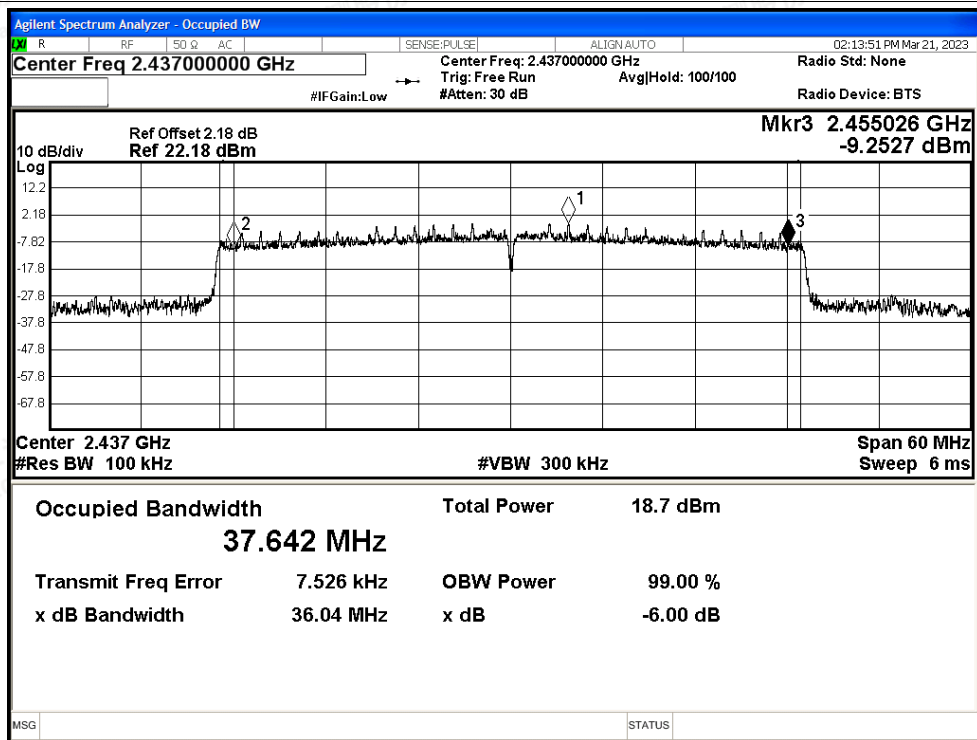
-6dB Bandwidth NVNT ax20 2437MHz Ant0



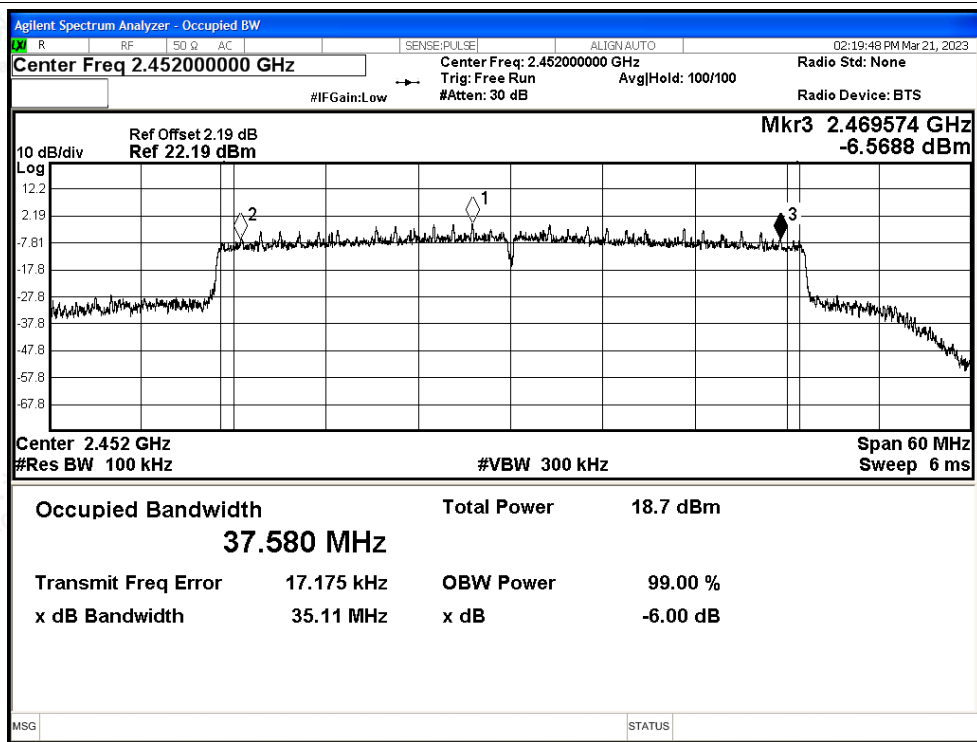




-6dB Bandwidth NVNT ax40 2437MHz Ant0



-6dB Bandwidth NVNT ax40 2452MHz Ant0





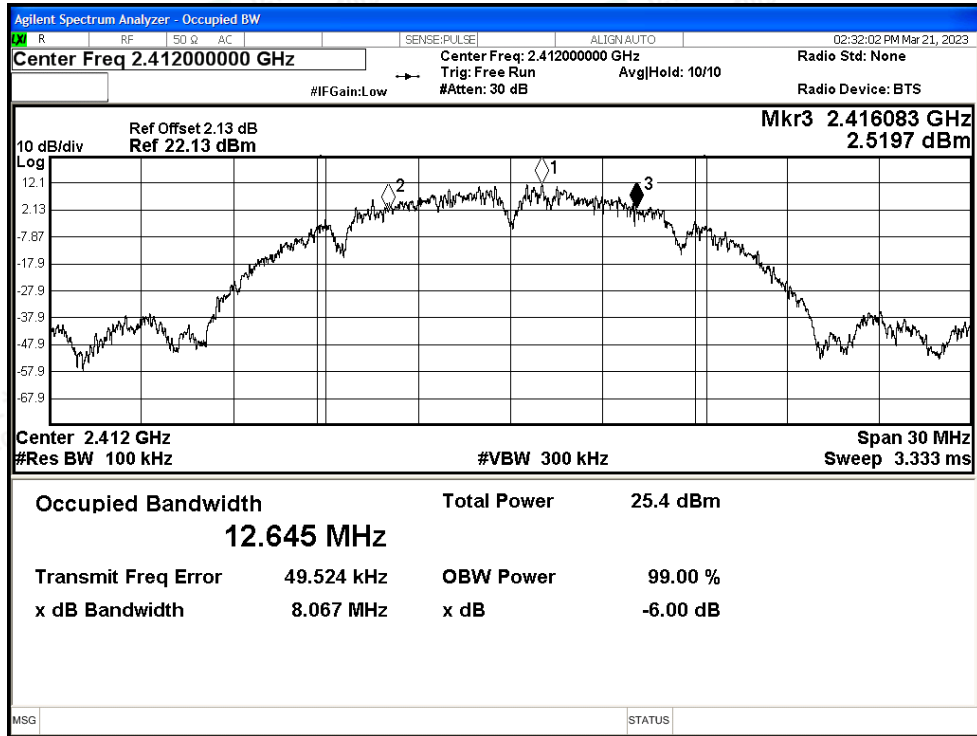
| Condition | Mode | Frequency (MHz) | Antenna | -6 dB Bandwidth (MHz) | Limit -6 dB Bandwidth (MHz) | Verdict |
|-----------|------|-----------------|---------|-----------------------|-----------------------------|---------|
| NVNT | b | 2412 | Ant1 | 8.067 | >=0.5 | Pass |
| NVNT | b | 2437 | Ant1 | 8.018 | >=0.5 | Pass |
| NVNT | b | 2462 | Ant1 | 8.526 | >=0.5 | Pass |
| NVNT | g | 2412 | Ant1 | 15.809 | >=0.5 | Pass |
| NVNT | g | 2437 | Ant1 | 15.657 | >=0.5 | Pass |
| NVNT | g | 2462 | Ant1 | 16.402 | >=0.5 | Pass |
| NVNT | n20 | 2412 | Ant1 | 17.694 | >=0.5 | Pass |
| NVNT | n20 | 2437 | Ant1 | 17.329 | >=0.5 | Pass |
| NVNT | n20 | 2462 | Ant1 | 17.69 | >=0.5 | Pass |
| NVNT | n40 | 2422 | Ant1 | 33.501 | >=0.5 | Pass |
| NVNT | n40 | 2437 | Ant1 | 35.409 | >=0.5 | Pass |
| NVNT | n40 | 2452 | Ant1 | 35.57 | >=0.5 | Pass |
| NVNT | ax20 | 2412 | Ant1 | 17.357 | >=0.5 | Pass |
| NVNT | ax20 | 2437 | Ant1 | 17.983 | >=0.5 | Pass |
| NVNT | ax20 | 2462 | Ant1 | 17.437 | >=0.5 | Pass |
| NVNT | ax40 | 2422 | Ant1 | 36.636 | >=0.5 | Pass |
| NVNT | ax40 | 2437 | Ant1 | 35.09 | >=0.5 | Pass |
| NVNT | ax40 | 2452 | Ant1 | 35.96 | >=0.5 | Pass |



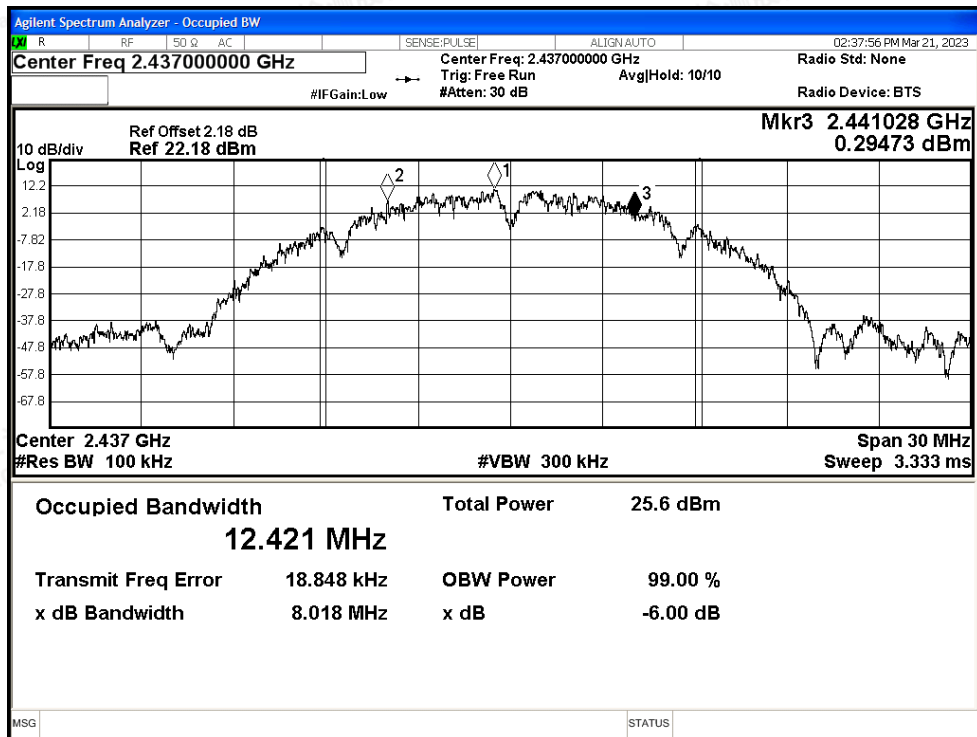


Test Graphs

-6dB Bandwidth NVNT b 2412MHz Ant1



-6dB Bandwidth NVNT b 2437MHz Ant1

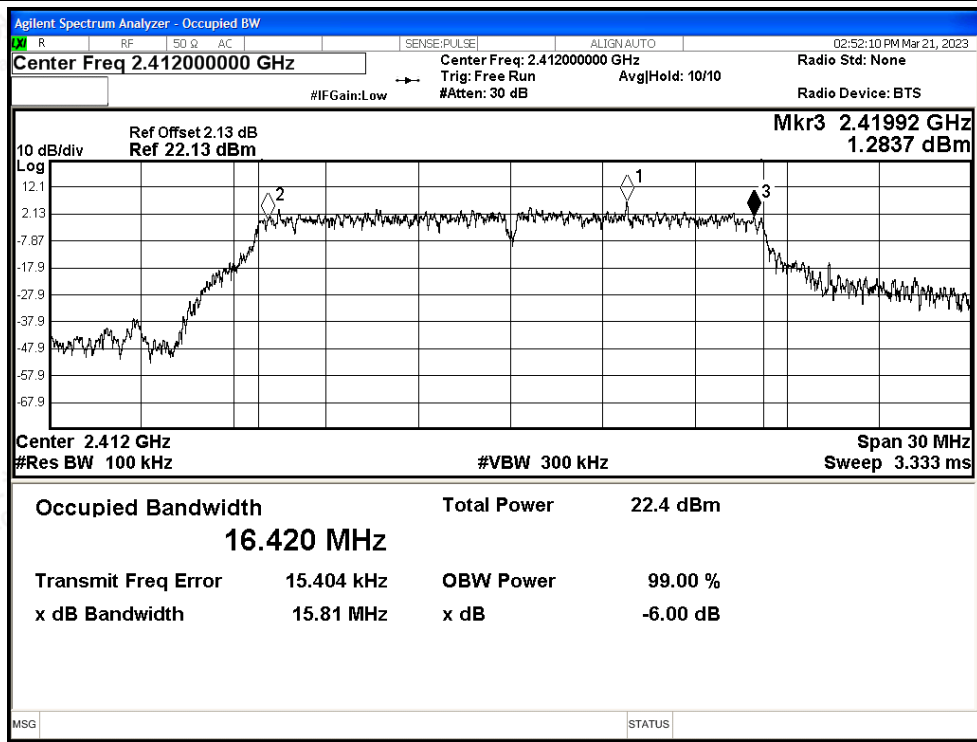




-6dB Bandwidth NVNT b 2462MHz Ant1

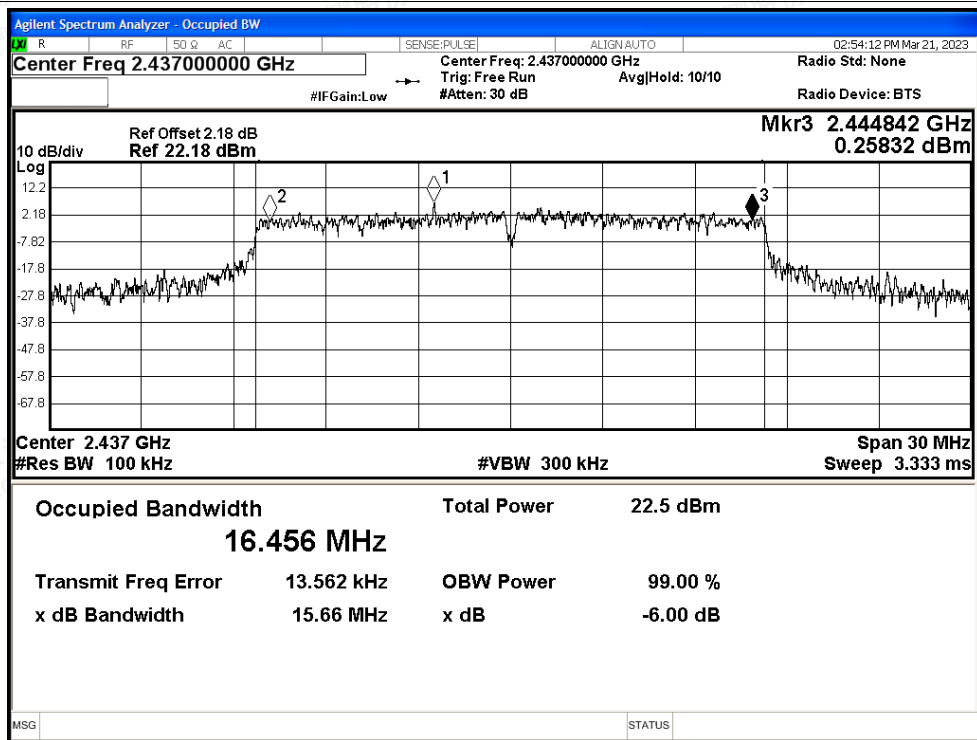


-6dB Bandwidth NVNT g 2412MHz Ant1

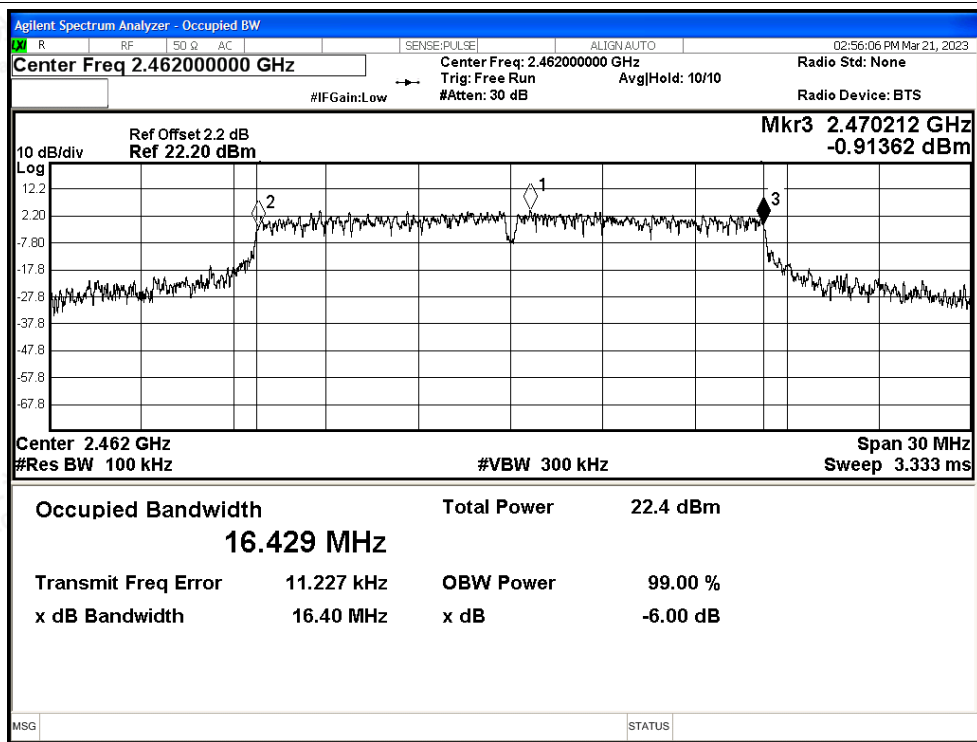




-6dB Bandwidth NVNT g 2437MHz Ant1

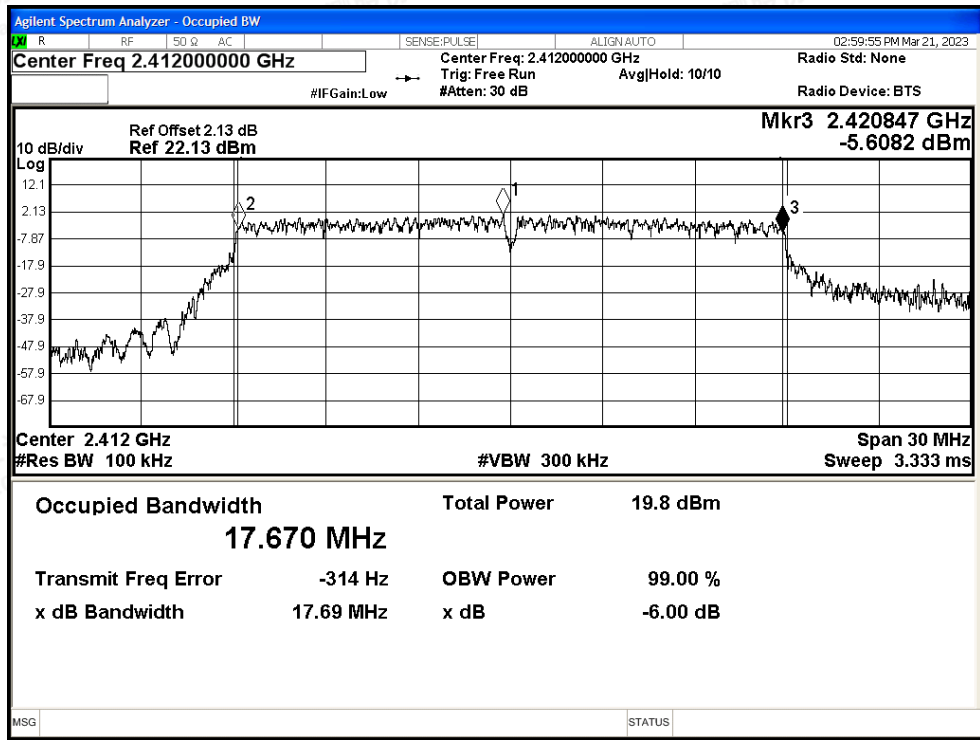


-6dB Bandwidth NVNT g 2462MHz Ant1

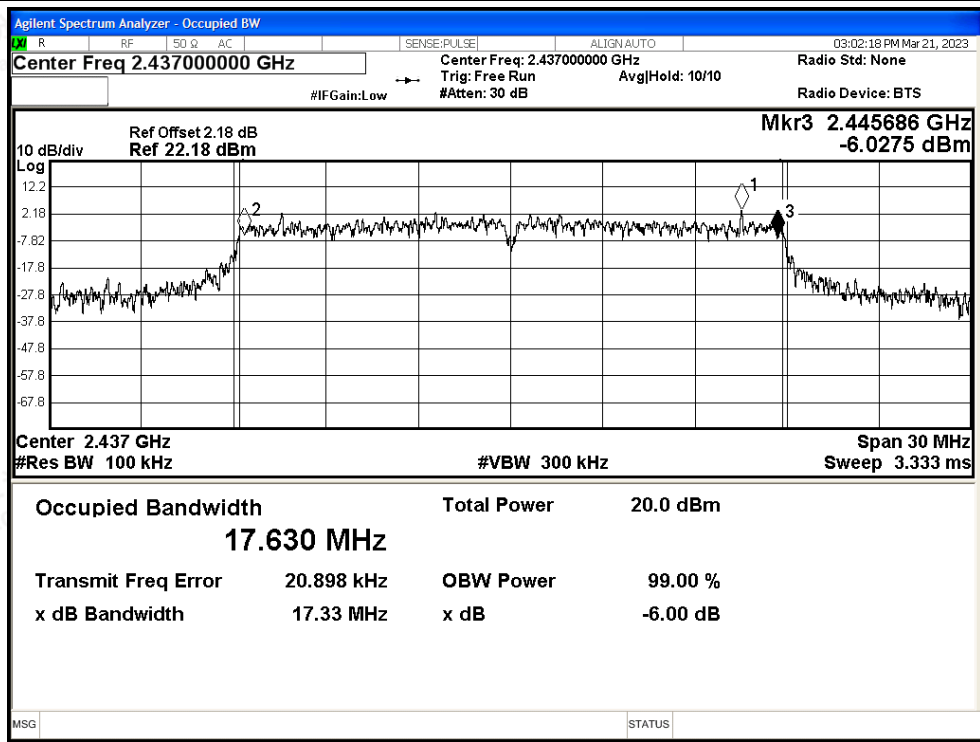




-6dB Bandwidth NVNT n20 2412MHz Ant1

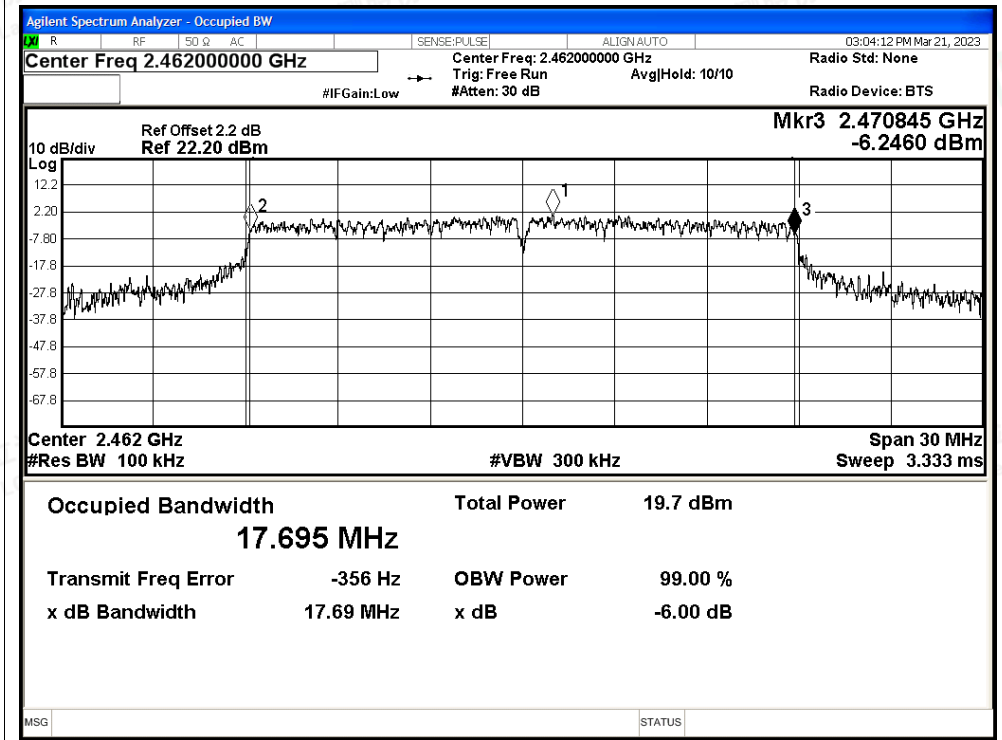


-6dB Bandwidth NVNT n20 2437MHz Ant1

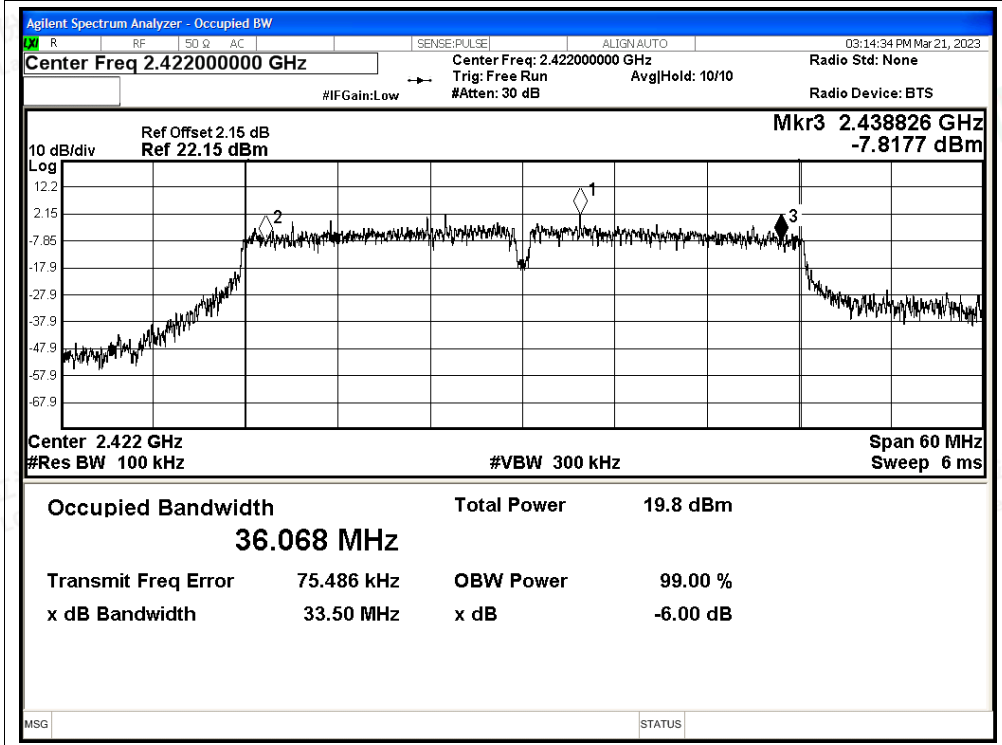




-6dB Bandwidth NVNT n20 2462MHz Ant1

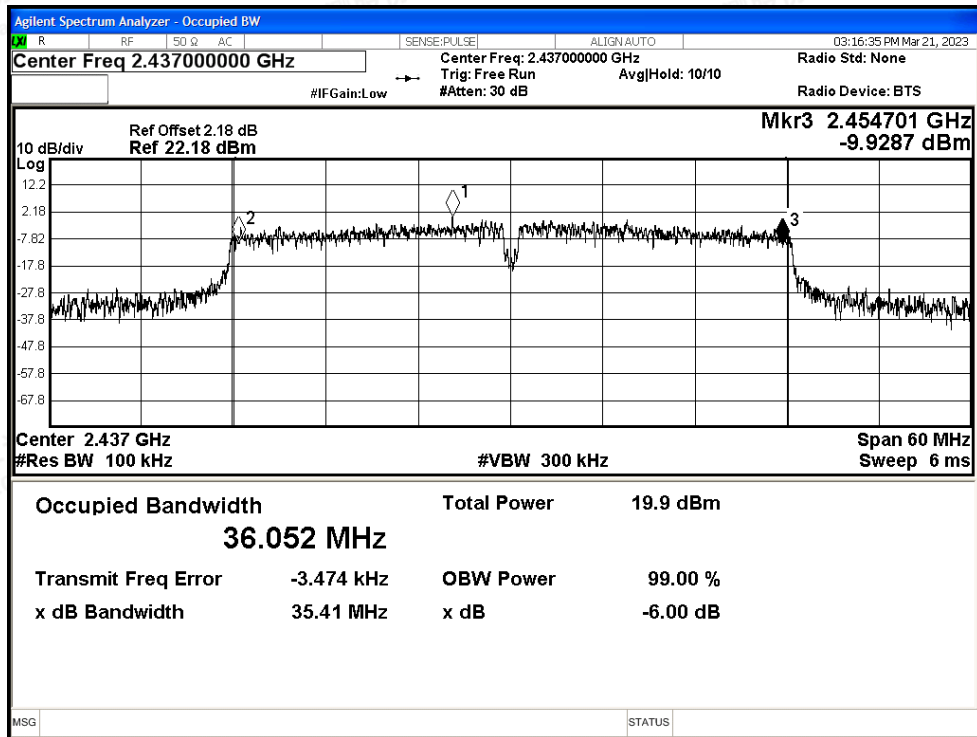


-6dB Bandwidth NVNT n40 2422MHz Ant1

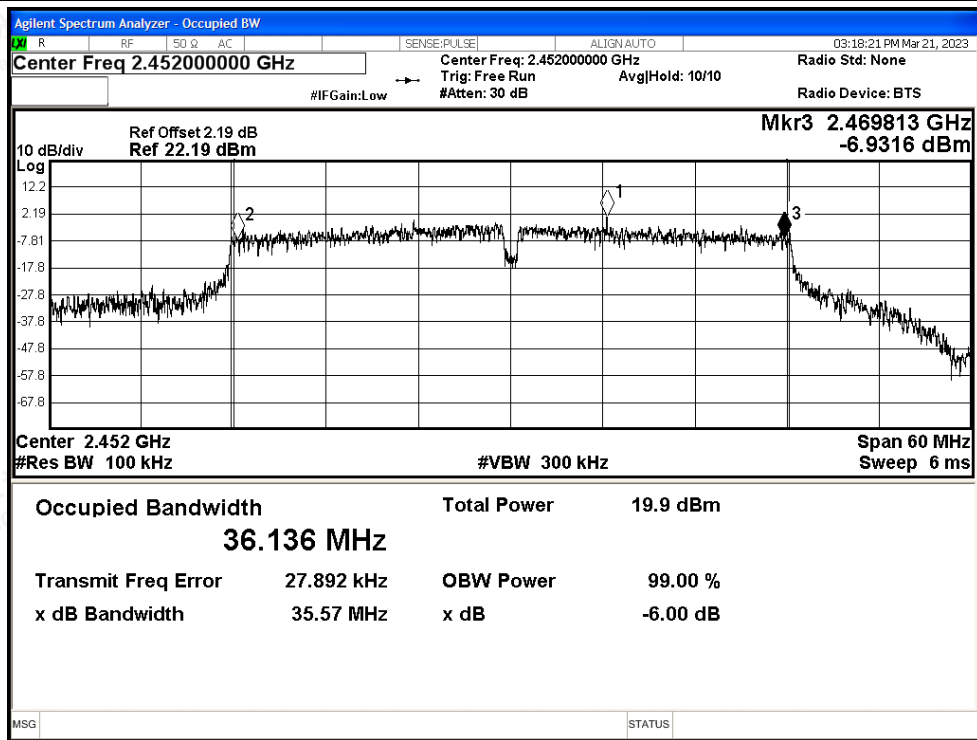




-6dB Bandwidth NVNT n40 2437MHz Ant1

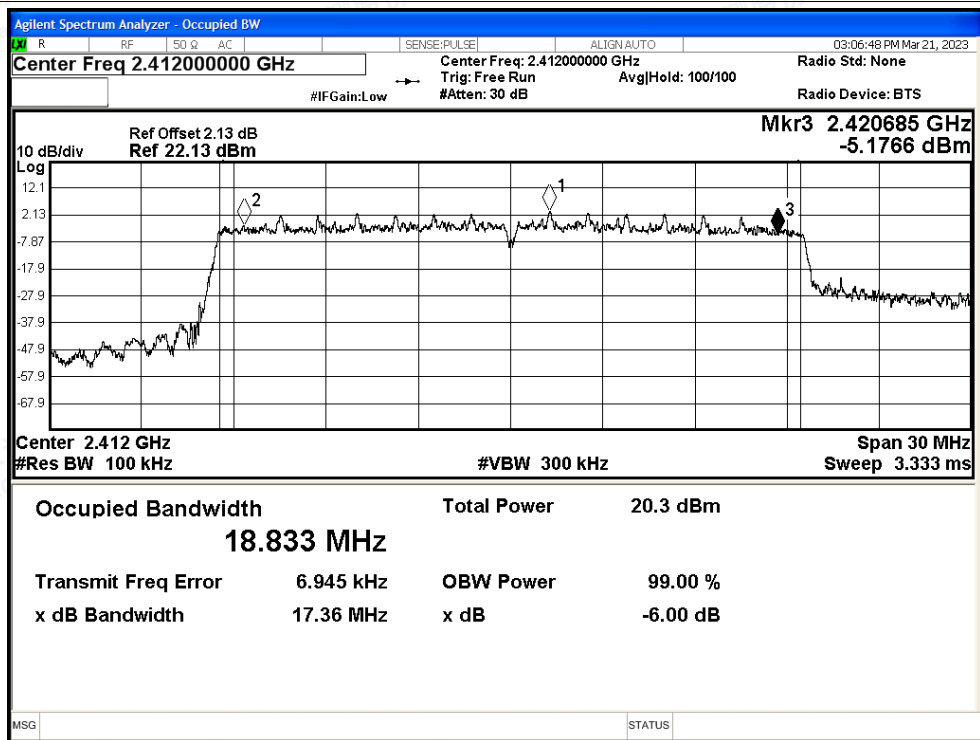


-6dB Bandwidth NVNT n40 2452MHz Ant1

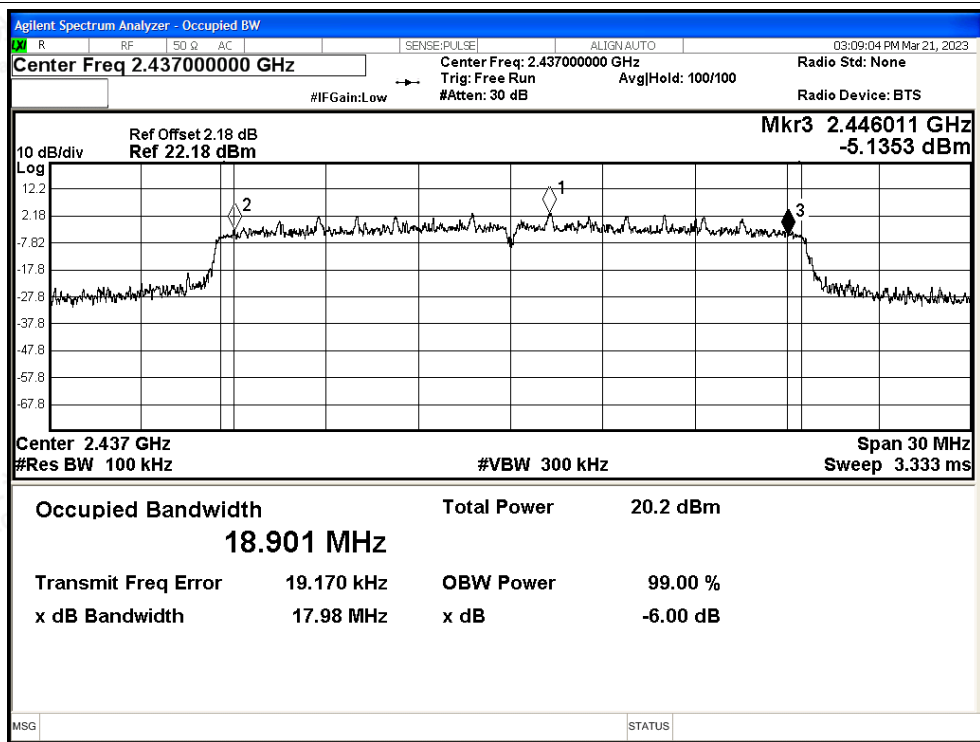




-6dB Bandwidth NVNT ax20 2412MHz Ant1

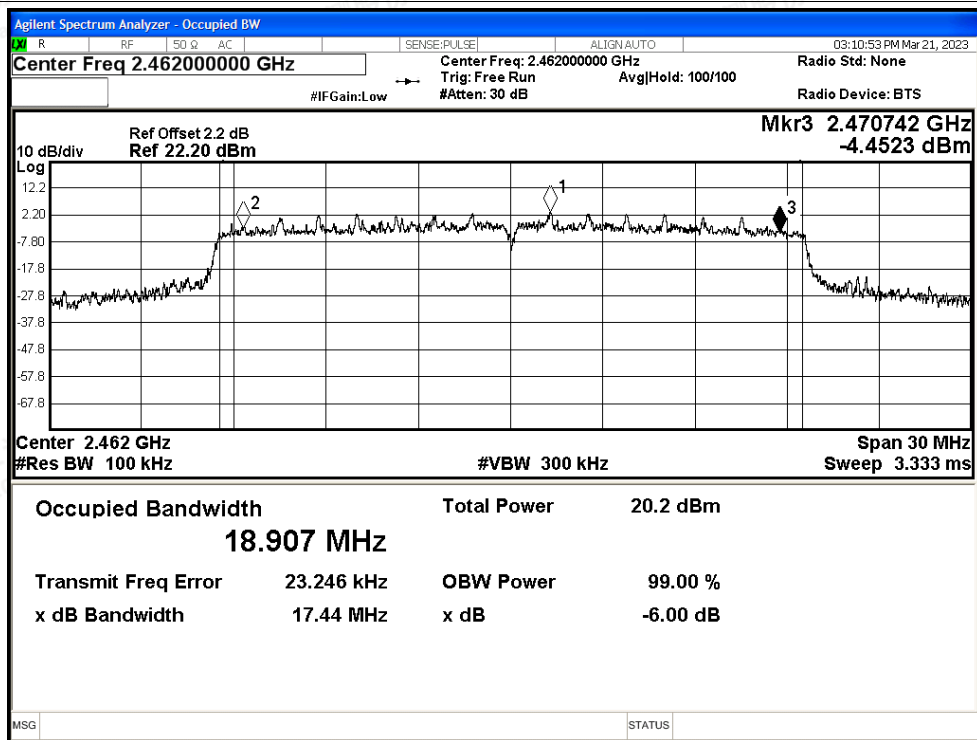


-6dB Bandwidth NVNT ax20 2437MHz Ant1

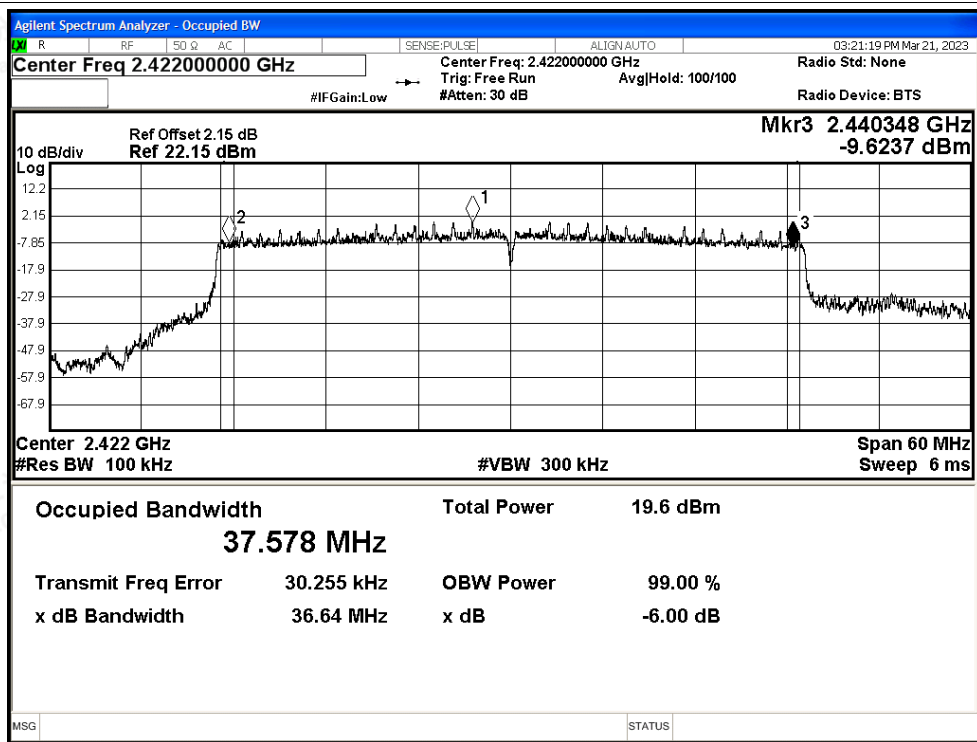




-6dB Bandwidth NVNT ax20 2462MHz Ant1

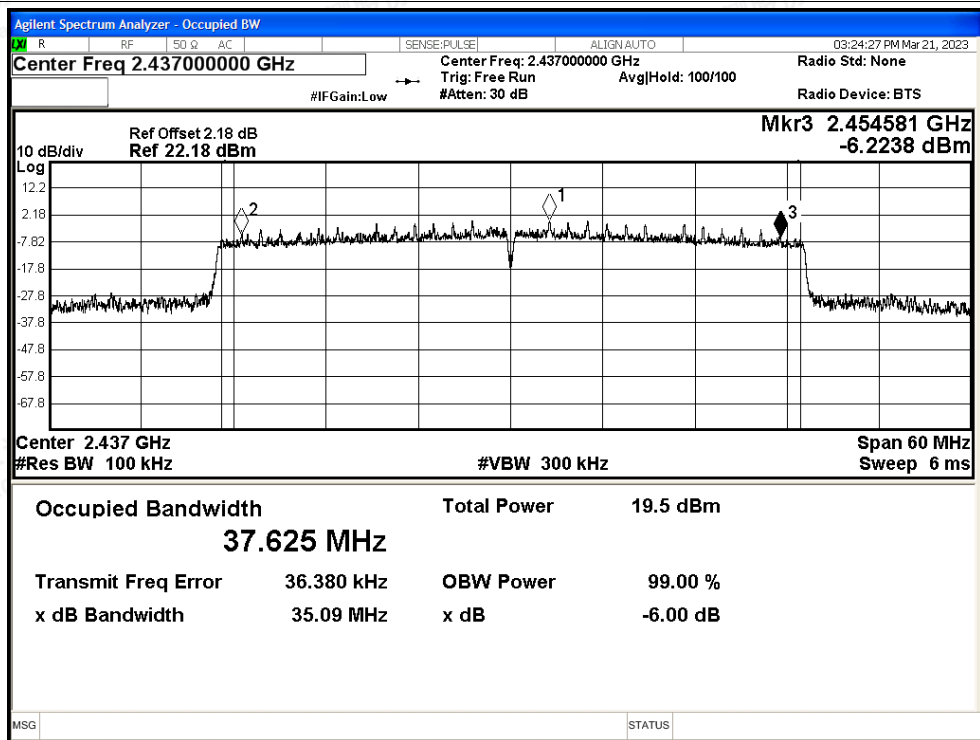


-6dB Bandwidth NVNT ax40 2422MHz Ant1

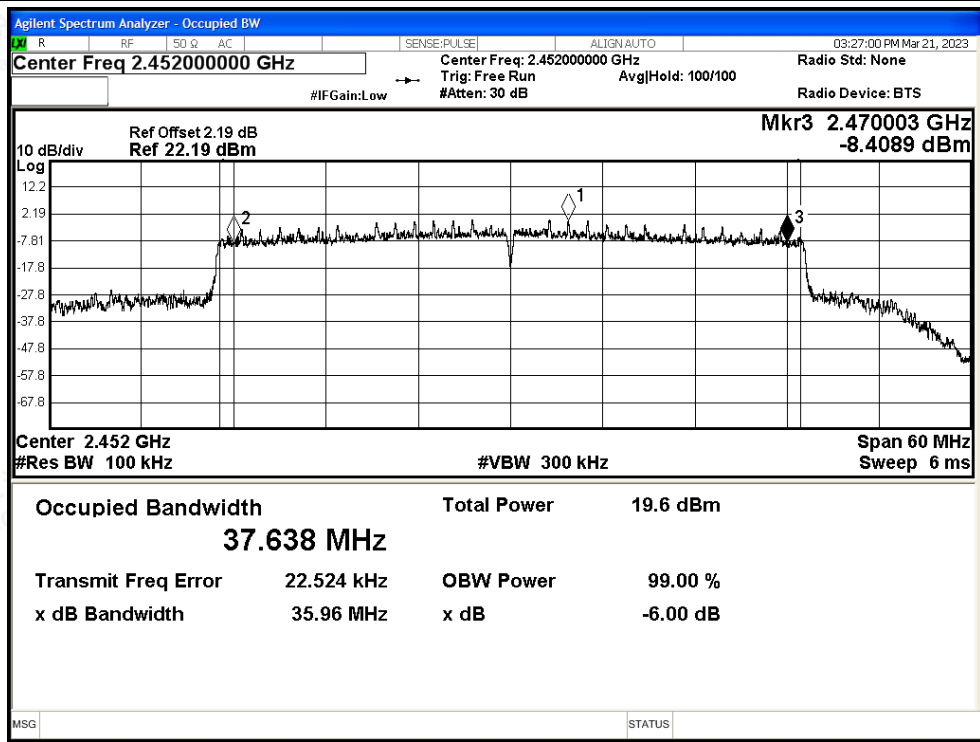




-6dB Bandwidth NVNT ax40 2437MHz Ant1



-6dB Bandwidth NVNT ax40 2452MHz Ant1





A.2 Maximum Conducted Output Power

| Condition | Mode | Frequency (MHz) | Antenna | Conducted Power (dBm) | Limit (dBm) | Verdict |
|-----------|------|-----------------|---------|-----------------------|-------------|---------|
| NVNT | b | 2412 | Ant0 | 22.73 | 30 | Pass |
| NVNT | b | 2437 | Ant0 | 22.88 | 30 | Pass |
| NVNT | b | 2462 | Ant0 | 22.82 | 30 | Pass |
| NVNT | g | 2412 | Ant0 | 21.58 | 30 | Pass |
| NVNT | g | 2437 | Ant0 | 21.53 | 30 | Pass |
| NVNT | g | 2462 | Ant0 | 21.47 | 30 | Pass |
| NVNT | n20 | 2412 | Ant0 | 18.53 | 30 | Pass |
| NVNT | n20 | 2437 | Ant0 | 18.47 | 30 | Pass |
| NVNT | n20 | 2462 | Ant0 | 20.15 | 30 | Pass |
| NVNT | n40 | 2422 | Ant0 | 17.9 | 30 | Pass |
| NVNT | n40 | 2437 | Ant0 | 17.88 | 30 | Pass |
| NVNT | n40 | 2452 | Ant0 | 18.01 | 30 | Pass |
| NVNT | ax20 | 2412 | Ant0 | 19.43 | 30 | Pass |
| NVNT | ax20 | 2437 | Ant0 | 19.38 | 30 | Pass |
| NVNT | ax20 | 2462 | Ant0 | 19.37 | 30 | Pass |
| NVNT | ax40 | 2422 | Ant0 | 17.38 | 30 | Pass |
| NVNT | ax40 | 2437 | Ant0 | 17.39 | 30 | Pass |
| NVNT | ax40 | 2452 | Ant0 | 17.45 | 30 | Pass |

| Condition | Mode | Frequency (MHz) | Antenna | Conducted Power (dBm) | Limit (dBm) | Verdict |
|-----------|------|-----------------|---------|-----------------------|-------------|---------|
| NVNT | b | 2412 | Ant1 | 21.99 | 30 | Pass |
| NVNT | b | 2437 | Ant1 | 22 | 30 | Pass |
| NVNT | b | 2462 | Ant1 | 22.04 | 30 | Pass |
| NVNT | g | 2412 | Ant1 | 21.15 | 30 | Pass |
| NVNT | g | 2437 | Ant1 | 20.97 | 30 | Pass |
| NVNT | g | 2462 | Ant1 | 21.1 | 30 | Pass |
| NVNT | n20 | 2412 | Ant1 | 18.53 | 30 | Pass |
| NVNT | n20 | 2437 | Ant1 | 18.53 | 30 | Pass |
| NVNT | n20 | 2462 | Ant1 | 20.13 | 30 | Pass |
| NVNT | n40 | 2422 | Ant1 | 18.23 | 30 | Pass |
| NVNT | n40 | 2437 | Ant1 | 18.41 | 30 | Pass |
| NVNT | n40 | 2452 | Ant1 | 18.49 | 30 | Pass |
| NVNT | ax20 | 2412 | Ant1 | 18.98 | 30 | Pass |
| NVNT | ax20 | 2437 | Ant1 | 18.8 | 30 | Pass |
| NVNT | ax20 | 2462 | Ant1 | 18.85 | 30 | Pass |
| NVNT | ax40 | 2422 | Ant1 | 18.28 | 30 | Pass |
| NVNT | ax40 | 2437 | Ant1 | 18.38 | 30 | Pass |
| NVNT | ax40 | 2452 | Ant1 | 18.32 | 30 | Pass |





MIMO

| Condition | Mode | Frequency (MHz) | Total Power (dBm) | | | Limit (dBm) | Verdict |
|-----------|-------|-----------------|-------------------|-------|-----------|-------------|---------|
| | | | Ant0 | Ant1 | Ant0+Ant1 | | |
| NVNT | n20 | 2412 | 18.53 | 18.53 | 21.54 | 29.96 | Pass |
| NVNT | n20 | 2437 | 18.47 | 18.53 | 21.51 | 29.96 | Pass |
| NVNT | n20 | 2462 | 20.15 | 20.13 | 23.15 | 29.96 | Pass |
| NVNT | n40 | 2422 | 17.9 | 18.23 | 21.08 | 29.96 | Pass |
| NVNT | n40 | 2437 | 17.88 | 18.41 | 21.16 | 29.96 | Pass |
| NVNT | n40 | 2452 | 18.01 | 18.49 | 21.27 | 29.96 | Pass |
| NVNT | ax20 | 2412 | 19.43 | 18.98 | 22.22 | 29.96 | Pass |
| NVNT | ax 20 | 2437 | 19.38 | 18.8 | 22.11 | 29.96 | Pass |
| NVNT | ax 20 | 2462 | 19.37 | 18.85 | 22.13 | 29.96 | Pass |
| NVNT | ax 40 | 2422 | 17.38 | 18.28 | 20.86 | 29.96 | Pass |
| NVNT | ax 40 | 2437 | 17.39 | 18.38 | 20.92 | 29.96 | Pass |
| NVNT | ax 40 | 2452 | 17.45 | 18.32 | 20.92 | 29.96 | Pass |





A.3 Maximum Power Spectral Density Level

| Condition | Mode | Frequency (MHz) | Antenna | Conducted PSD (dBm/3kHz) | Limit (dBm/3kHz) | Verdict |
|-----------|------|-----------------|---------|--------------------------|------------------|---------|
| NVNT | b | 2412 | Ant0 | -0.77 | 8 | Pass |
| NVNT | b | 2437 | Ant0 | 0.82 | 8 | Pass |
| NVNT | b | 2462 | Ant0 | -1.11 | 8 | Pass |
| NVNT | g | 2412 | Ant0 | -6.02 | 8 | Pass |
| NVNT | g | 2437 | Ant0 | -6.74 | 8 | Pass |
| NVNT | g | 2462 | Ant0 | -5.85 | 8 | Pass |
| NVNT | n20 | 2412 | Ant0 | -9.89 | 8 | Pass |
| NVNT | n20 | 2437 | Ant0 | -8.8 | 8 | Pass |
| NVNT | n20 | 2462 | Ant0 | -9.15 | 8 | Pass |
| NVNT | n40 | 2422 | Ant0 | -11.94 | 8 | Pass |
| NVNT | n40 | 2437 | Ant0 | -12.51 | 8 | Pass |
| NVNT | n40 | 2452 | Ant0 | -13.17 | 8 | Pass |
| NVNT | ax20 | 2412 | Ant0 | -11.62 | 8 | Pass |
| NVNT | ax20 | 2437 | Ant0 | -12.08 | 8 | Pass |
| NVNT | ax20 | 2462 | Ant0 | -11.77 | 8 | Pass |
| NVNT | ax40 | 2422 | Ant0 | -15.9 | 8 | Pass |
| NVNT | ax40 | 2437 | Ant0 | -15.79 | 8 | Pass |
| NVNT | ax40 | 2452 | Ant0 | -15.11 | 8 | Pass |

| Condition | Mode | Frequency (MHz) | Antenna | Conducted PSD (dBm/3kHz) | Limit (dBm/3kHz) | Verdict |
|-----------|------|-----------------|---------|--------------------------|------------------|---------|
| NVNT | b | 2412 | Ant1 | -1.5 | 8 | Pass |
| NVNT | b | 2437 | Ant1 | -2.21 | 8 | Pass |
| NVNT | b | 2462 | Ant1 | -1.09 | 8 | Pass |
| NVNT | g | 2412 | Ant1 | -6.49 | 8 | Pass |
| NVNT | g | 2437 | Ant1 | -6.88 | 8 | Pass |
| NVNT | g | 2462 | Ant1 | -6.43 | 8 | Pass |
| NVNT | n20 | 2412 | Ant1 | -9.25 | 8 | Pass |
| NVNT | n20 | 2437 | Ant1 | -8.47 | 8 | Pass |
| NVNT | n20 | 2462 | Ant1 | -9.93 | 8 | Pass |
| NVNT | n40 | 2422 | Ant1 | -12.27 | 8 | Pass |
| NVNT | n40 | 2437 | Ant1 | -12.89 | 8 | Pass |
| NVNT | n40 | 2452 | Ant1 | -12.38 | 8 | Pass |
| NVNT | ax20 | 2412 | Ant1 | -11.9 | 8 | Pass |
| NVNT | ax20 | 2437 | Ant1 | -12.95 | 8 | Pass |
| NVNT | ax20 | 2462 | Ant1 | -11.81 | 8 | Pass |
| NVNT | ax40 | 2422 | Ant1 | -15.87 | 8 | Pass |
| NVNT | ax40 | 2437 | Ant1 | -13.4 | 8 | Pass |
| NVNT | ax40 | 2452 | Ant1 | -15.08 | 8 | Pass |





MIMO

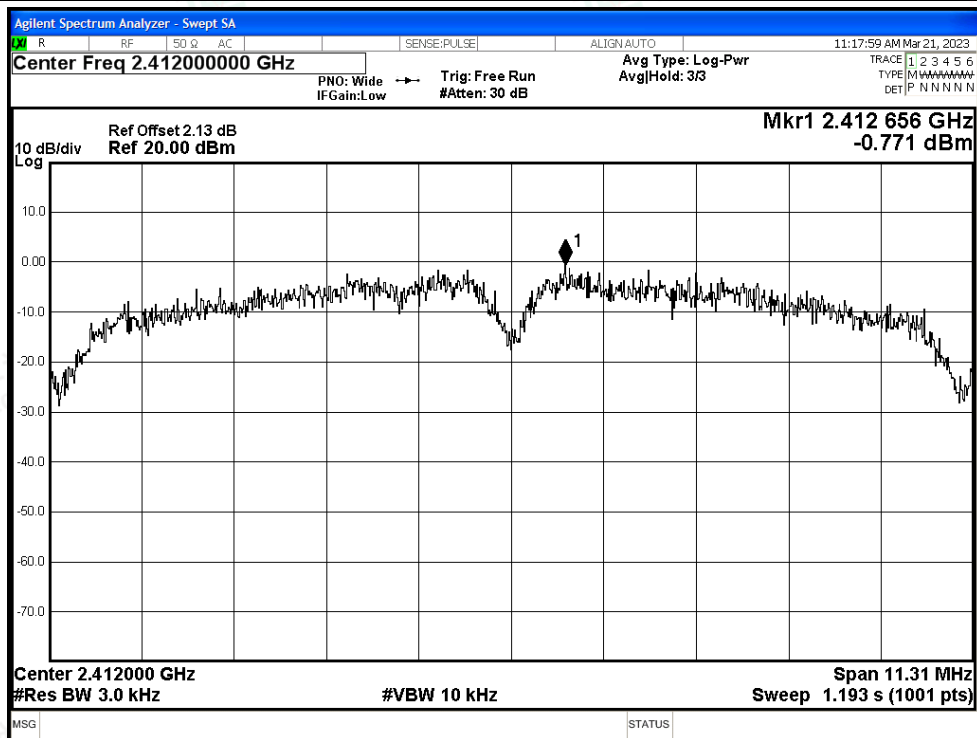
| Condition | Mode | Frequency (MHz) | Total PSD (dBm/3kHz) | | | Limit (dBm) | Verdict |
|-----------|-------|-----------------|----------------------|--------|-----------|-------------|---------|
| | | | Ant0 | Ant1 | Ant0+Ant1 | | |
| NVNT | n20 | 2412 | -9.89 | -9.25 | -6.55 | 7.96 | Pass |
| NVNT | n20 | 2437 | -8.8 | -8.47 | -5.62 | 7.96 | Pass |
| NVNT | n20 | 2462 | -9.15 | -9.93 | -6.51 | 7.96 | Pass |
| NVNT | n40 | 2422 | -11.94 | -12.27 | -9.09 | 7.96 | Pass |
| NVNT | n40 | 2437 | -12.51 | -12.89 | -9.69 | 7.96 | Pass |
| NVNT | n40 | 2452 | -13.17 | -12.38 | -9.75 | 7.96 | Pass |
| NVNT | ax20 | 2412 | -11.62 | -11.9 | -8.75 | 7.96 | Pass |
| NVNT | ax 20 | 2437 | -12.08 | -12.95 | -9.48 | 7.96 | Pass |
| NVNT | ax 20 | 2462 | -11.77 | -11.81 | -8.78 | 7.96 | Pass |
| NVNT | ax 40 | 2422 | -15.9 | -15.87 | -12.87 | 7.96 | Pass |
| NVNT | ax 40 | 2437 | -15.79 | -13.4 | -11.42 | 7.96 | Pass |
| NVNT | ax 40 | 2452 | -15.11 | -15.08 | -12.08 | 7.96 | Pass |



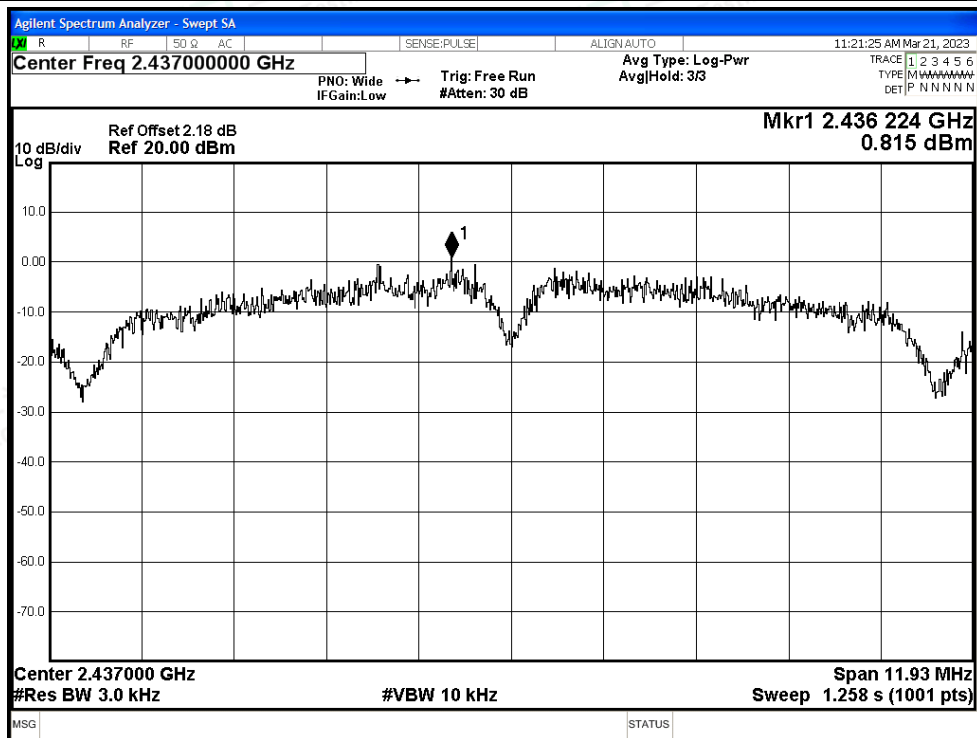


Test Graphs

PSD NVNT b 2412MHz Ant0

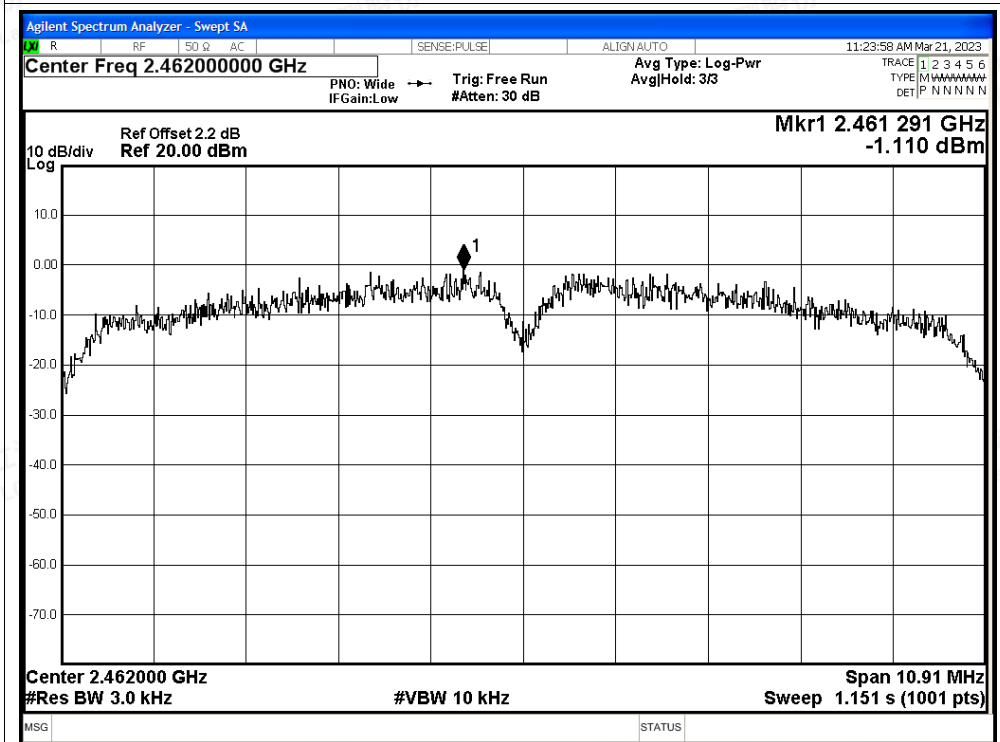


PSD NVNT b 2437MHz Ant0

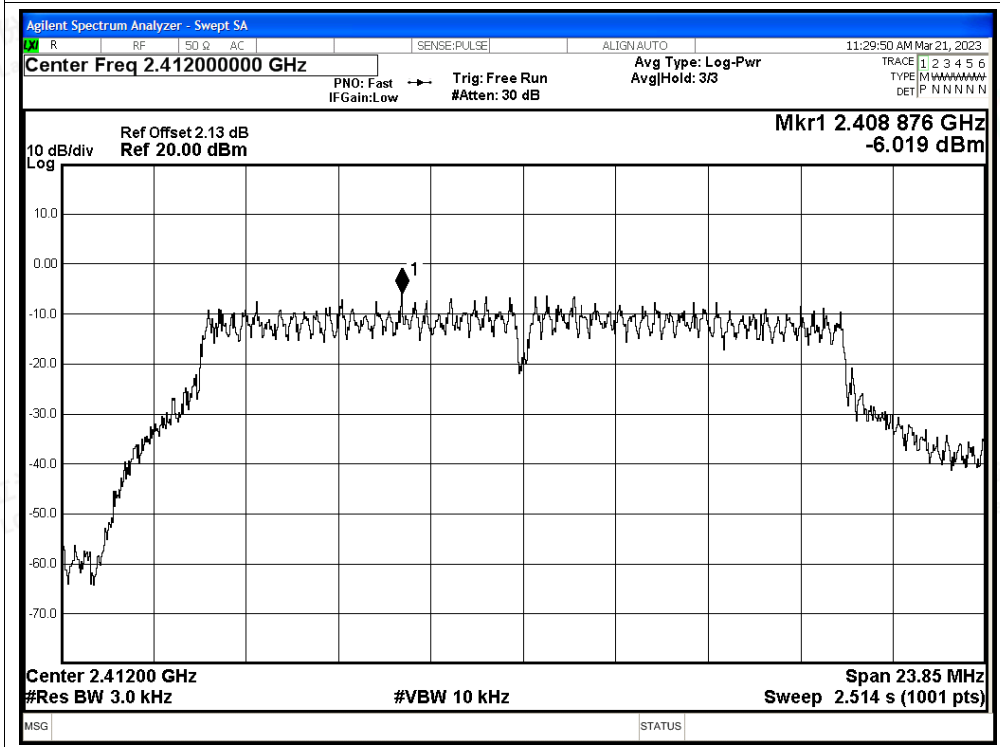


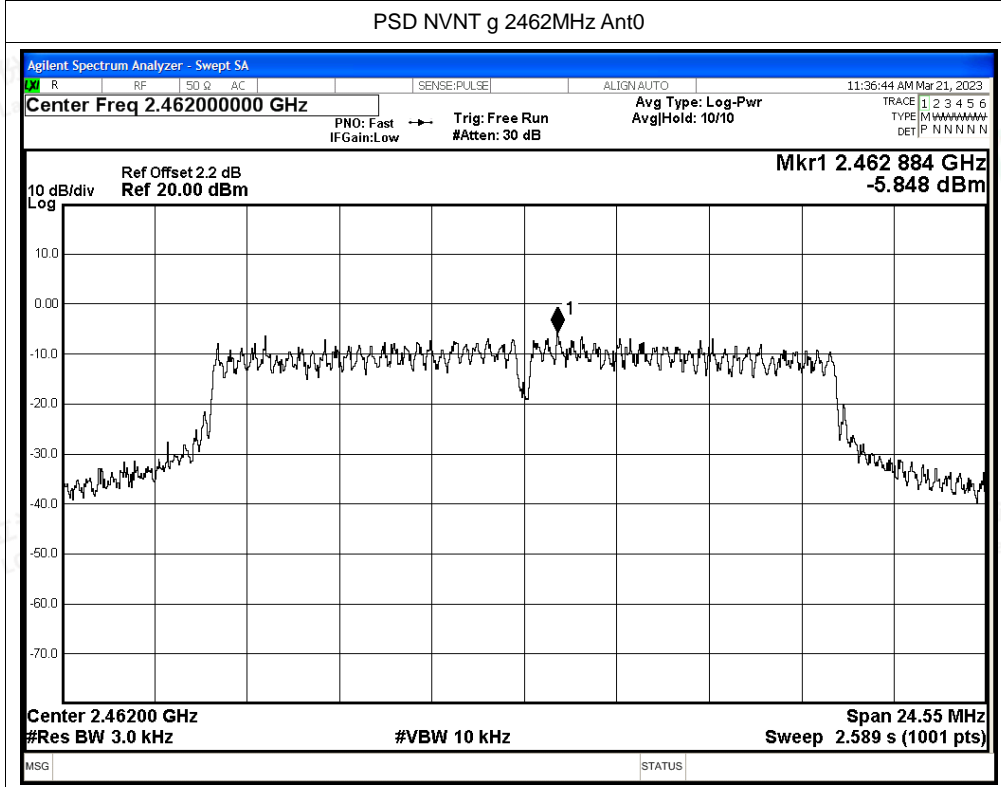
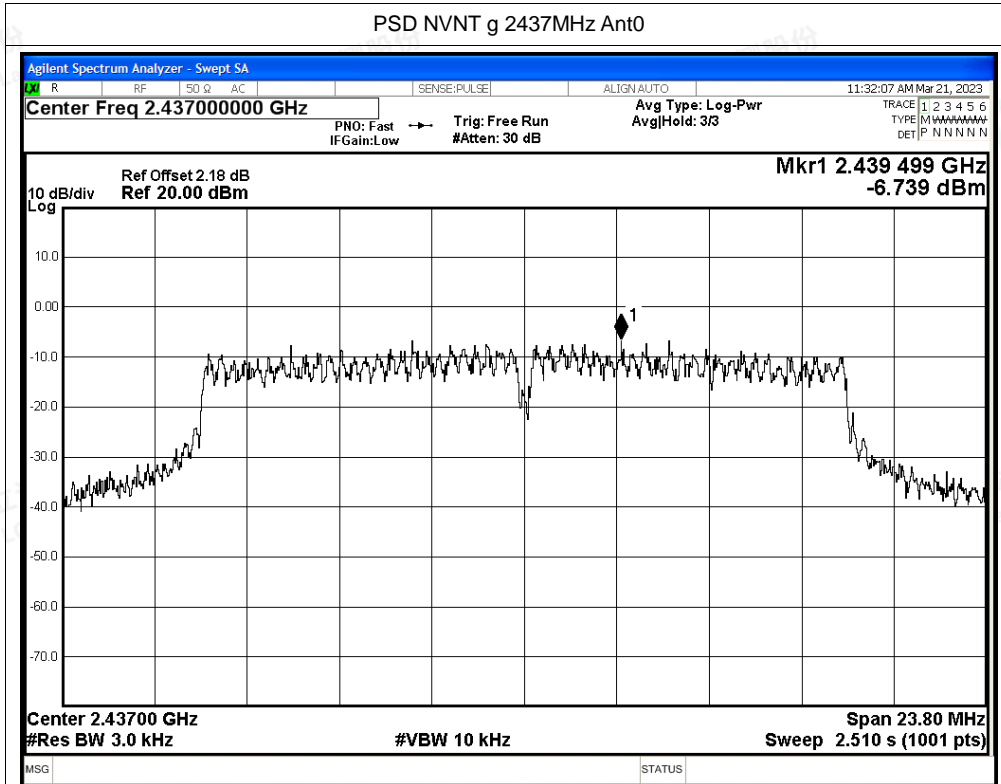


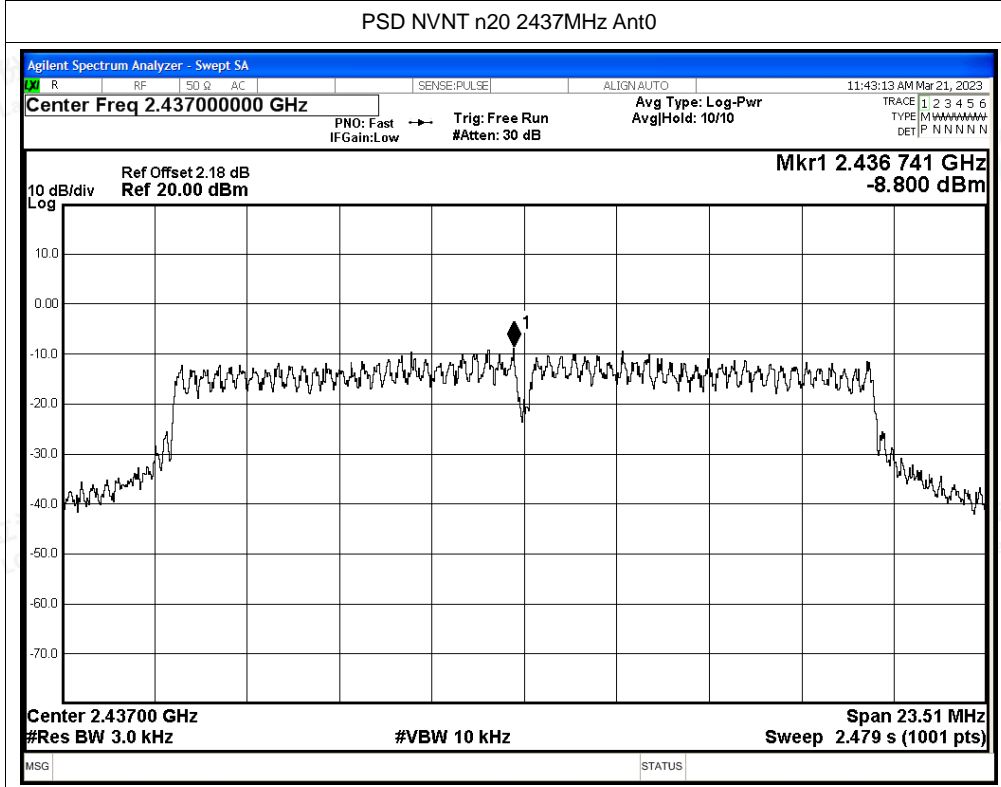
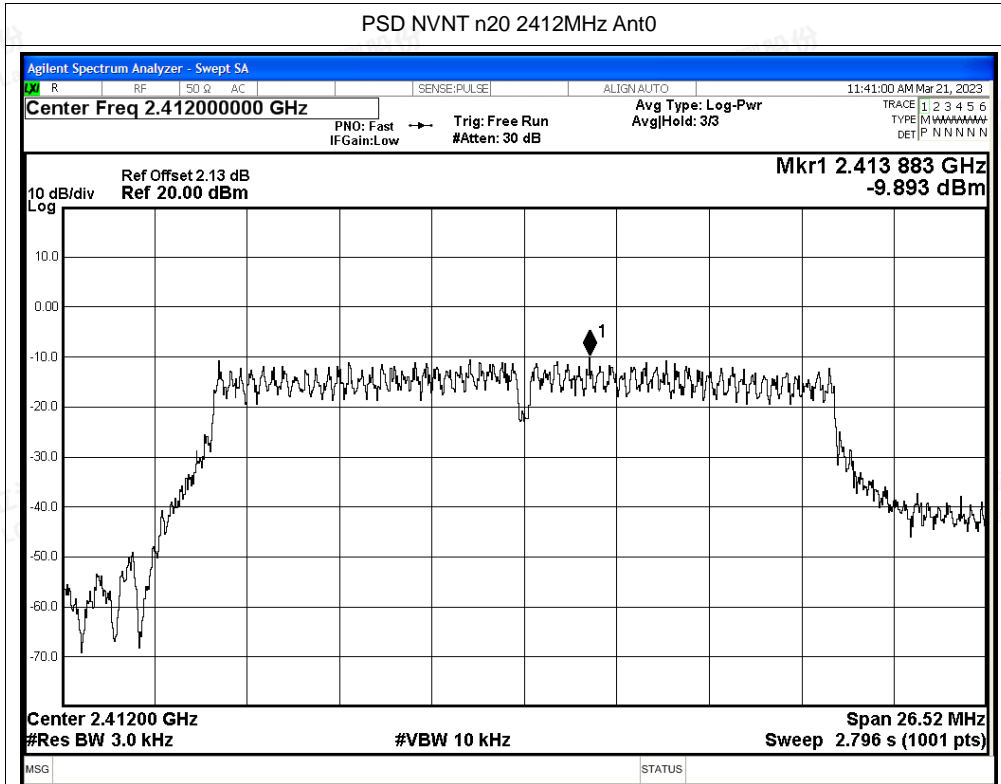
PSD NVNT b 2462MHz Ant0

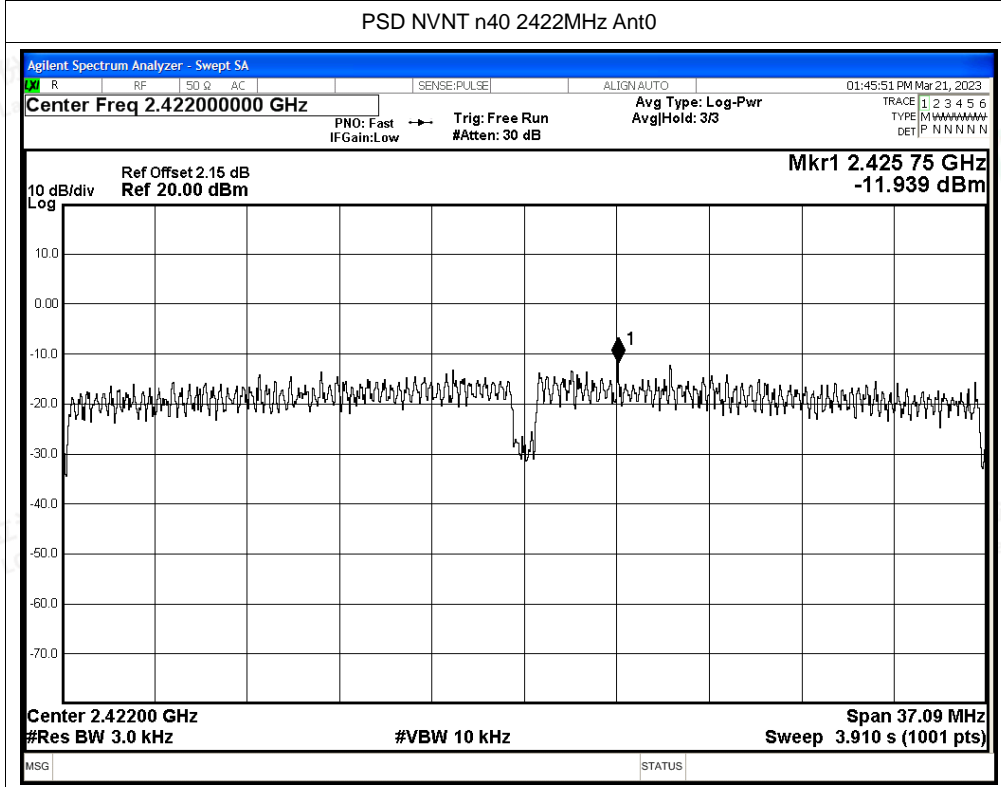
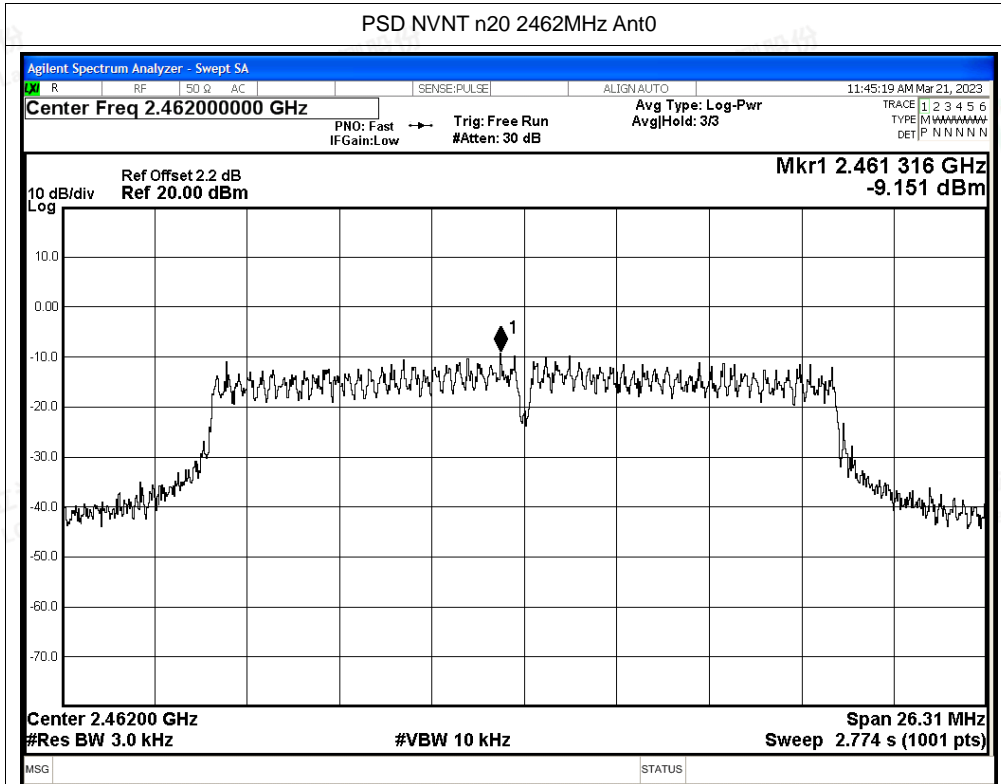


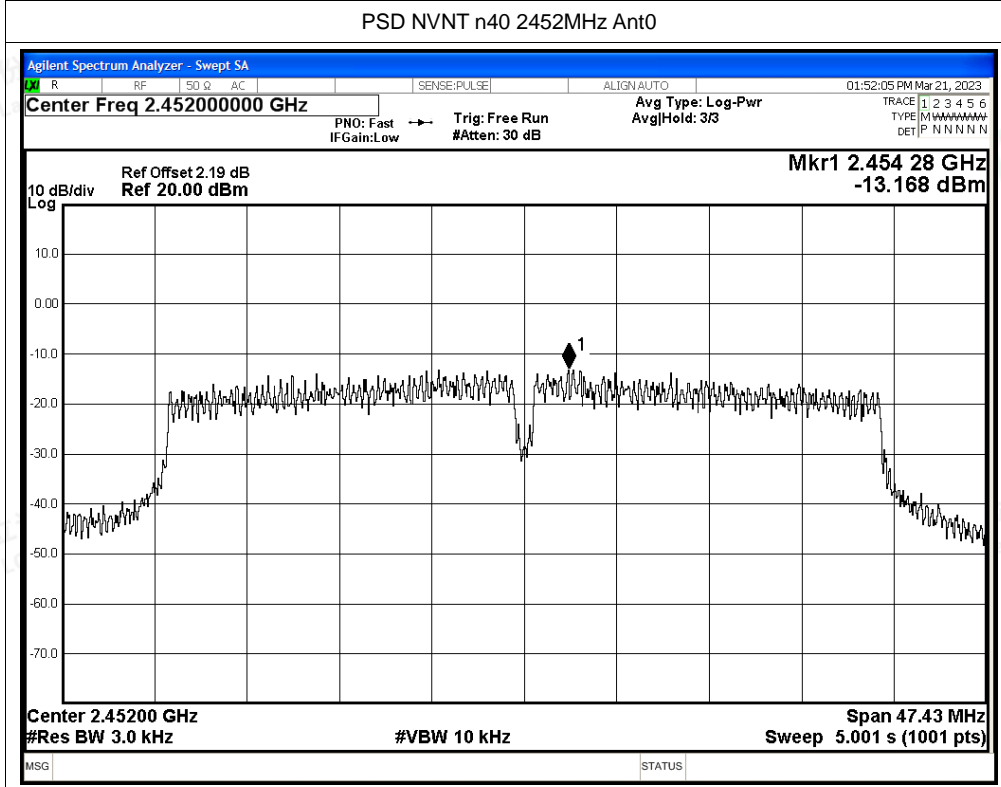
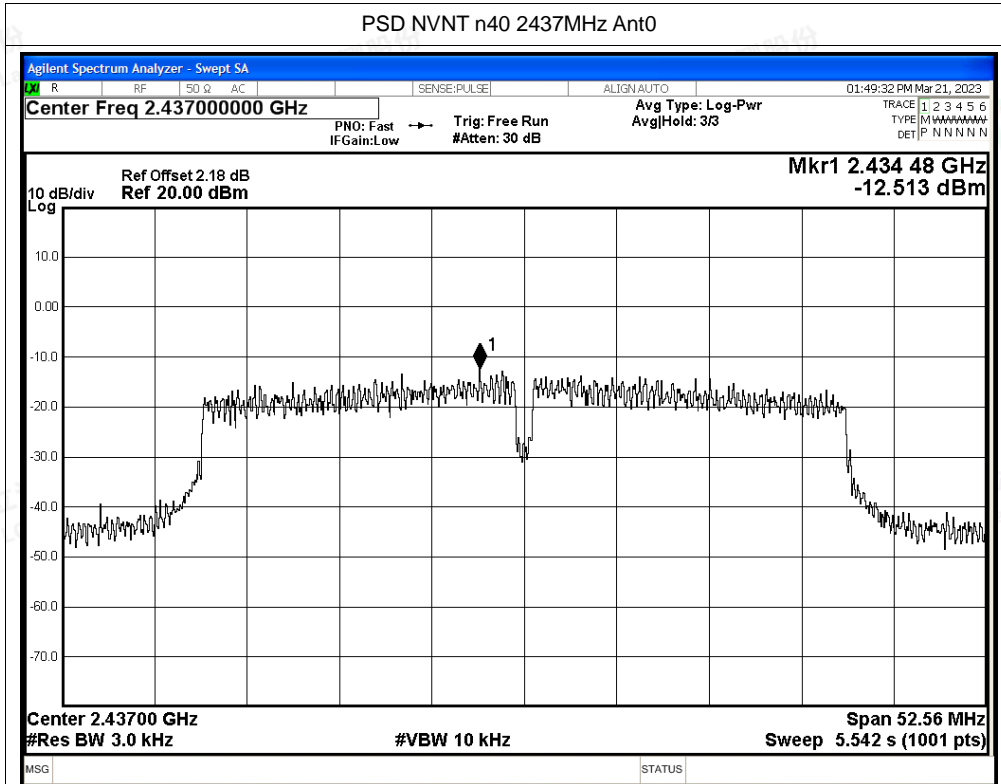
PSD NVNT g 2412MHz Ant0

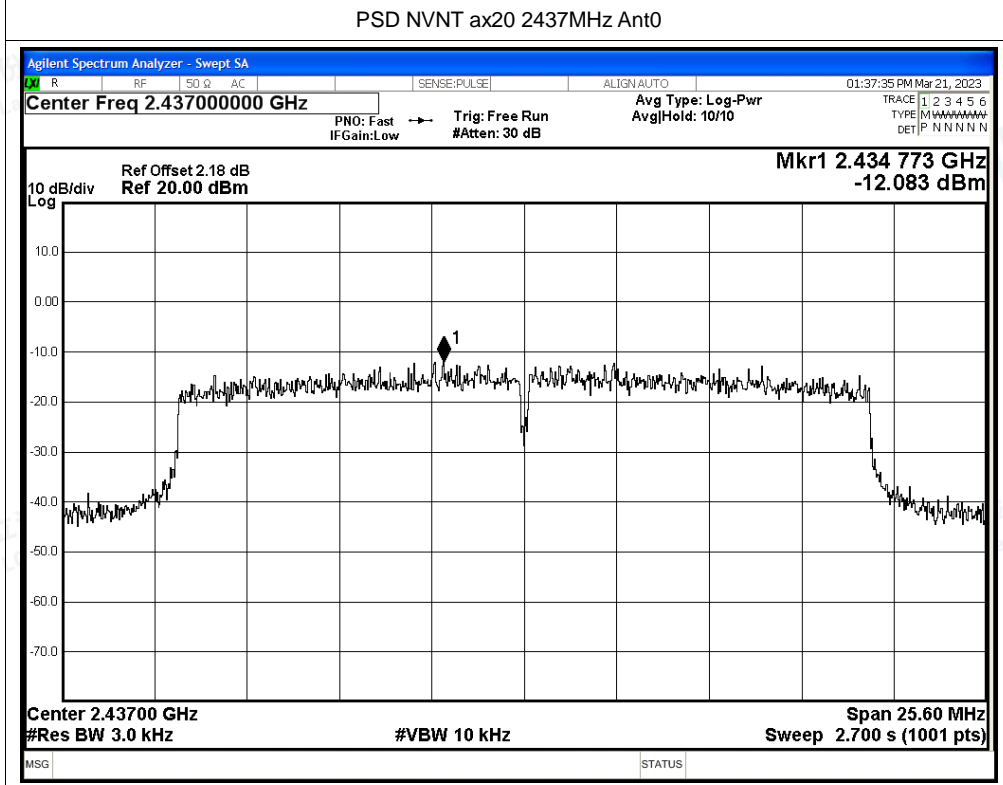
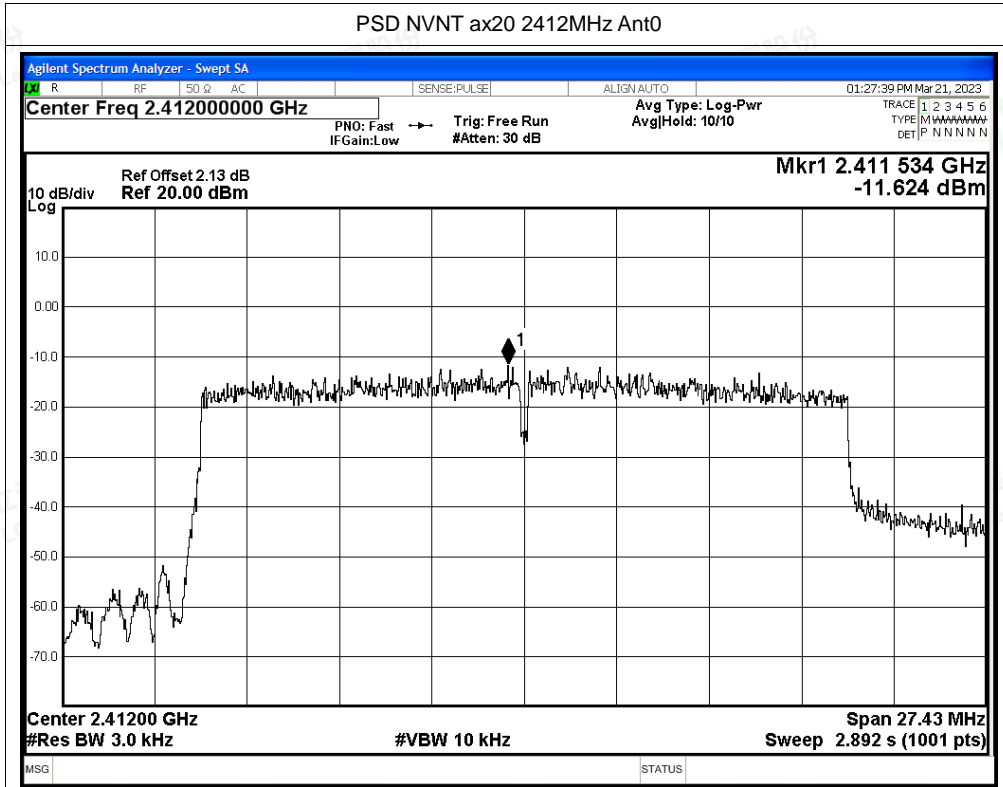


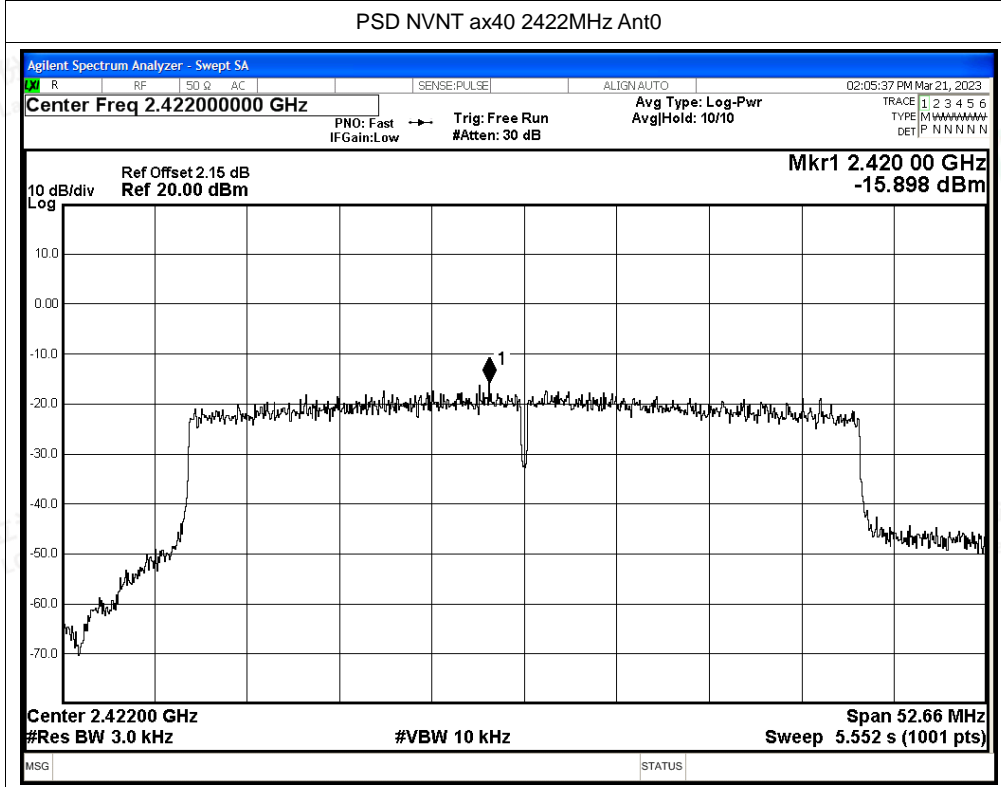
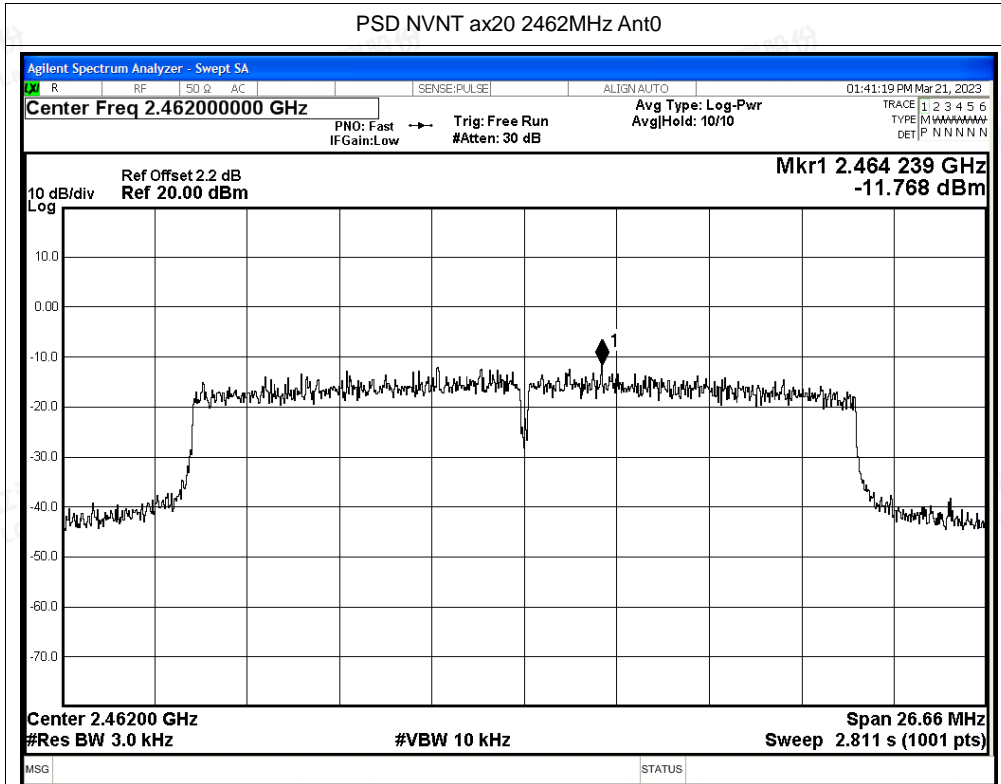


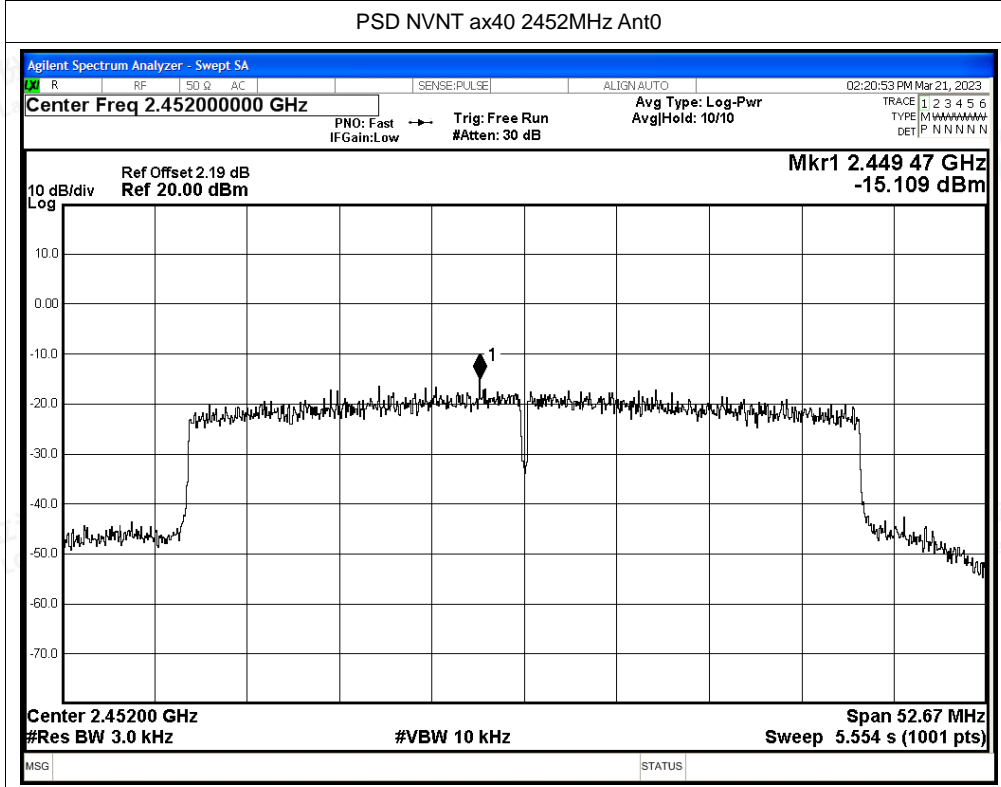
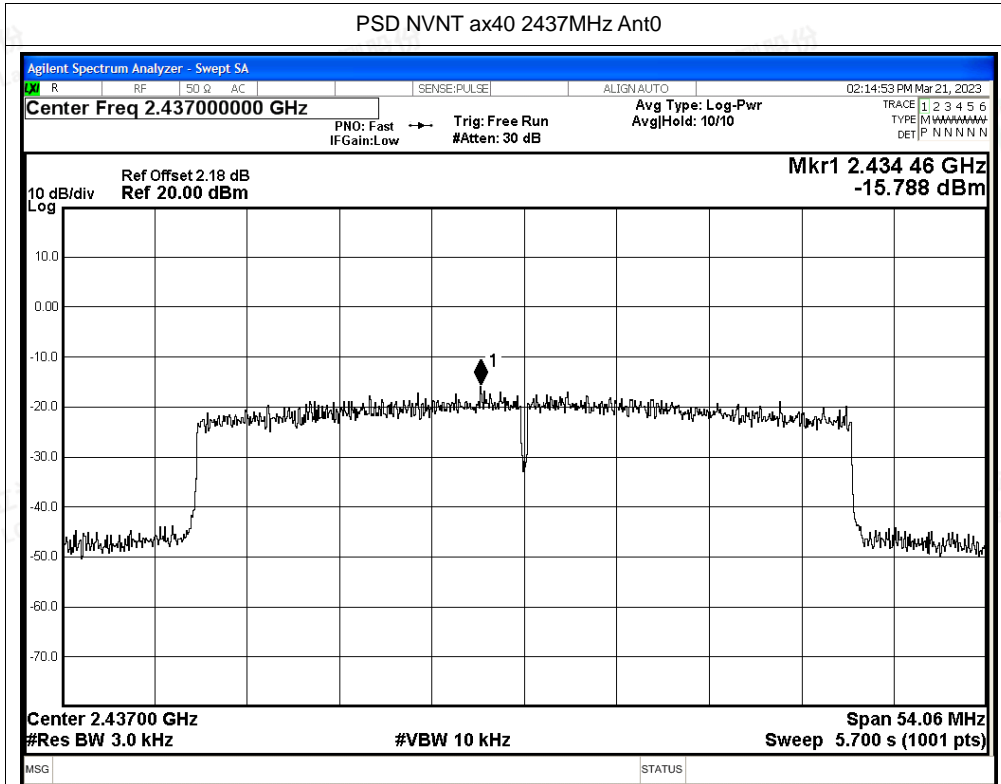








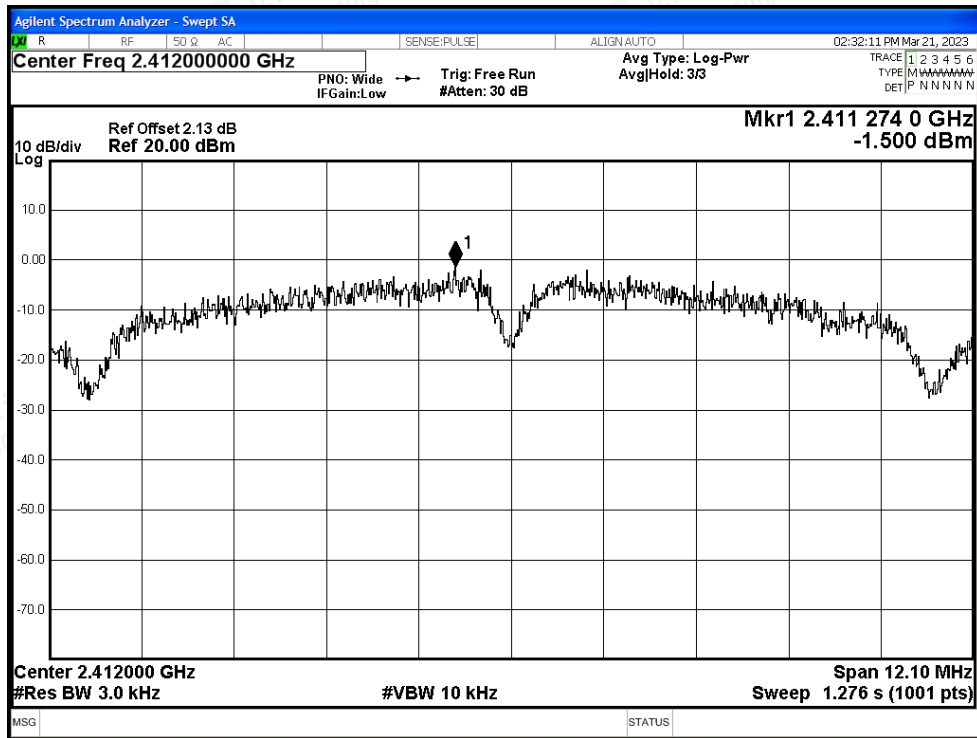




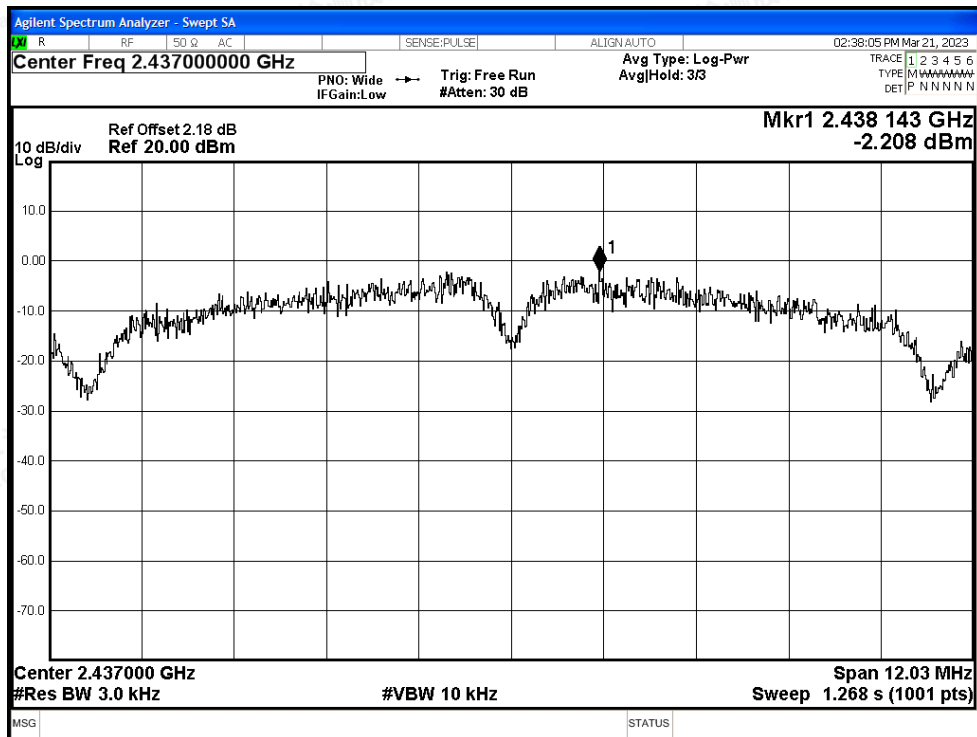


Test Graphs

PSD NVNT b 2412MHz Ant1

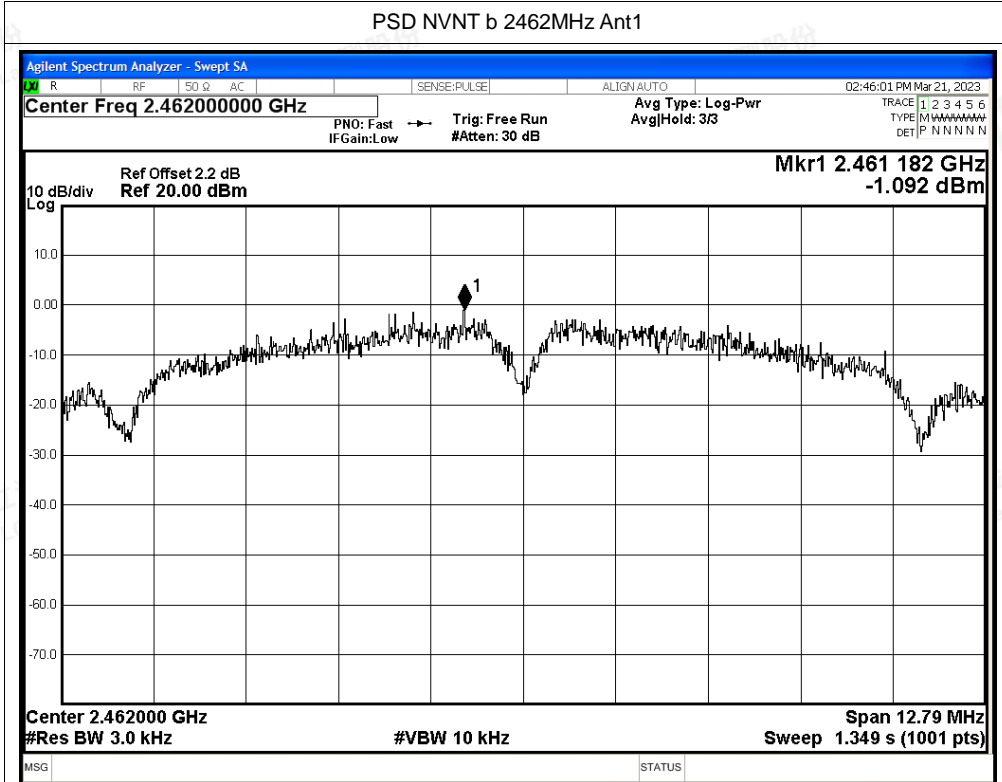


PSD NVNT b 2437MHz Ant1

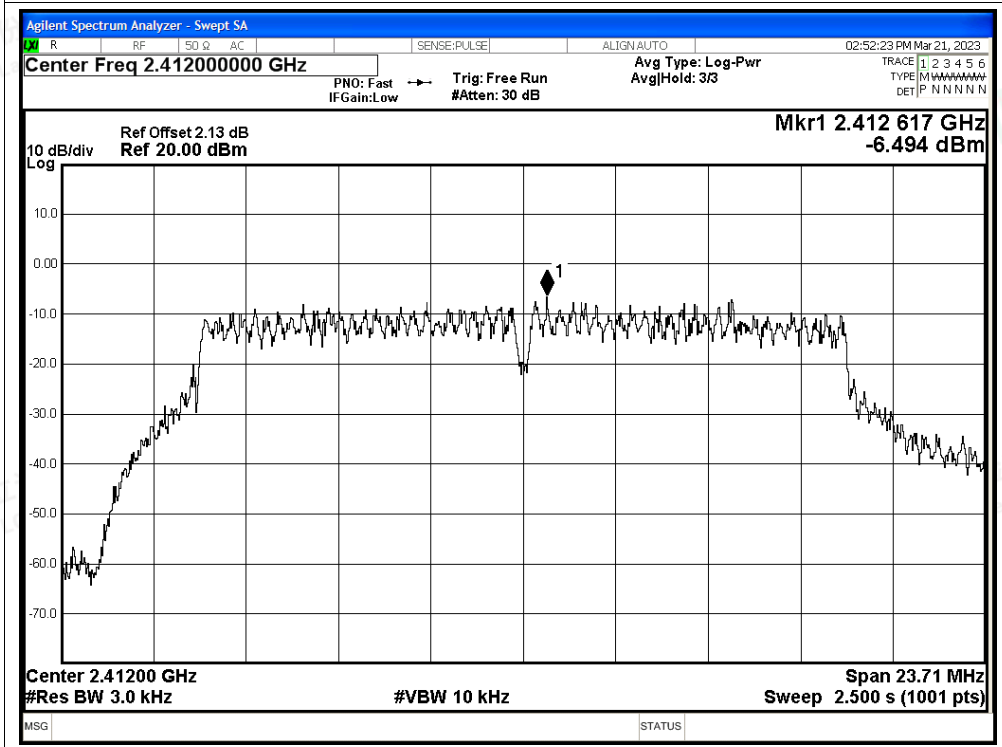


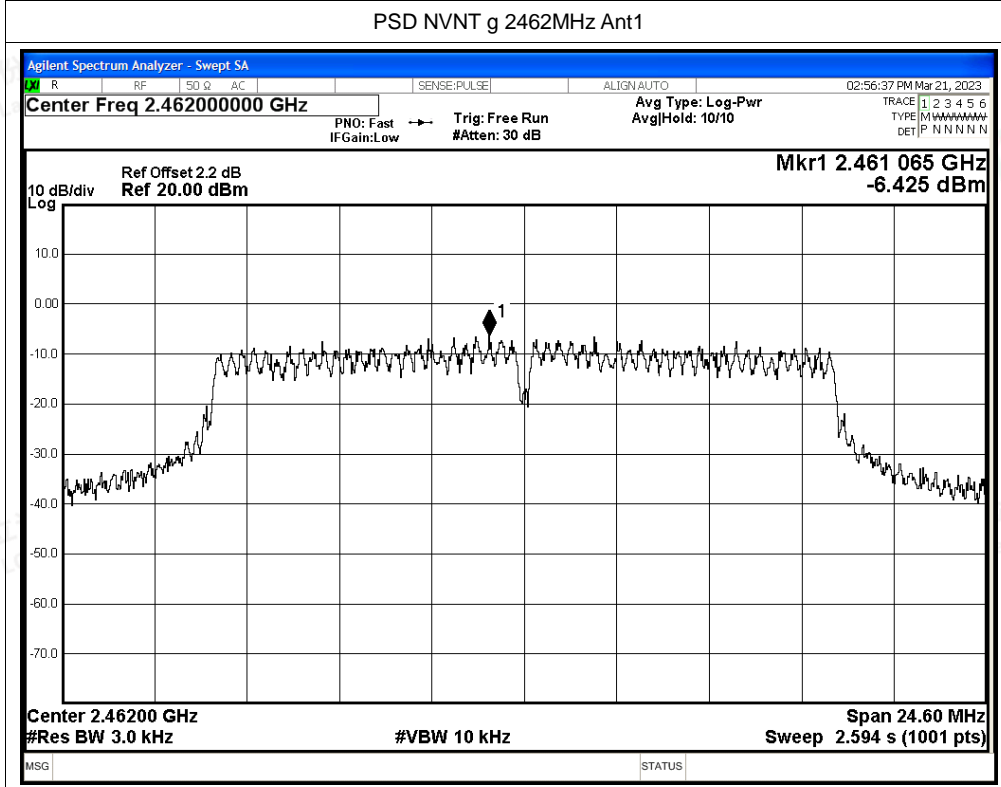
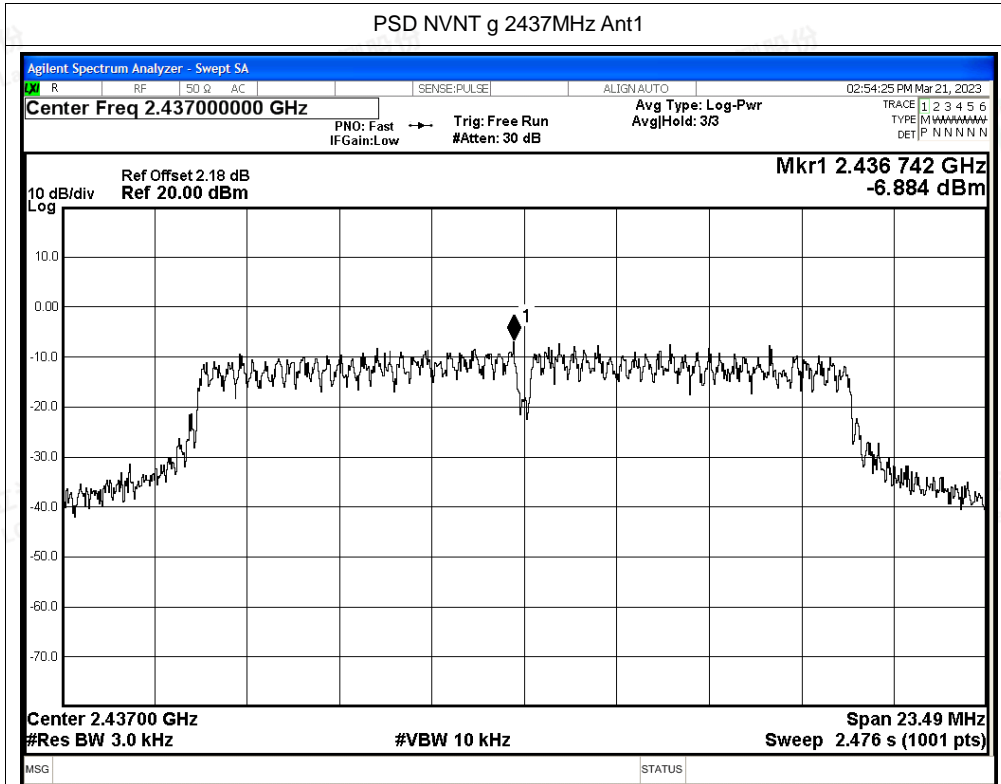


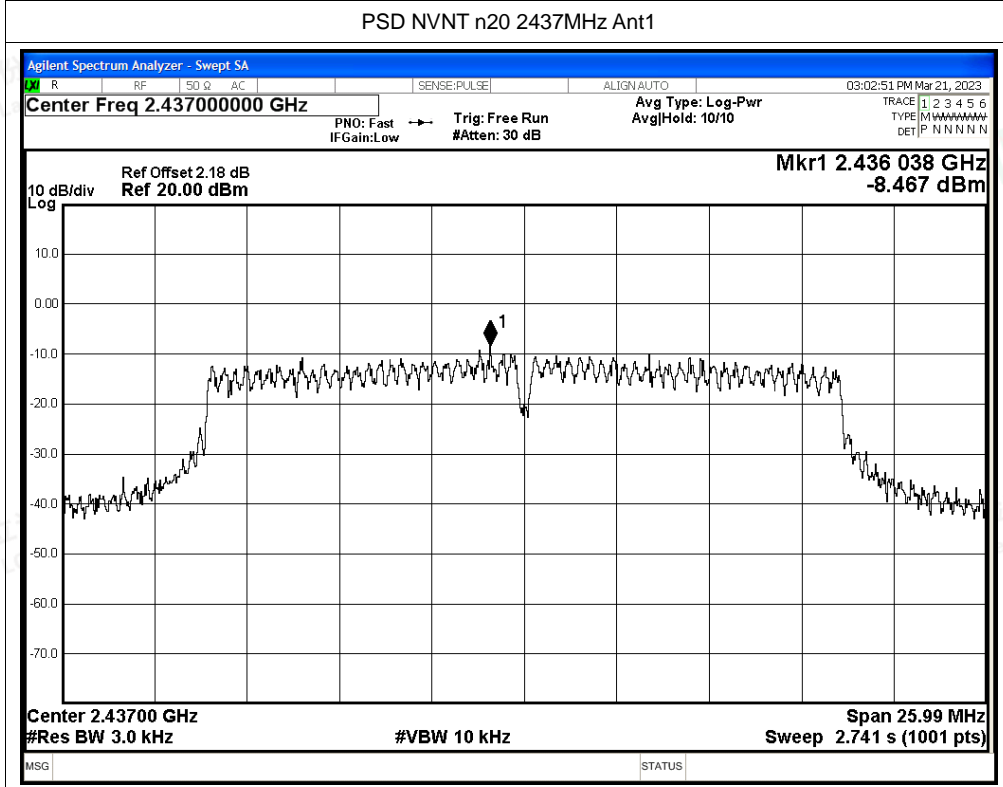
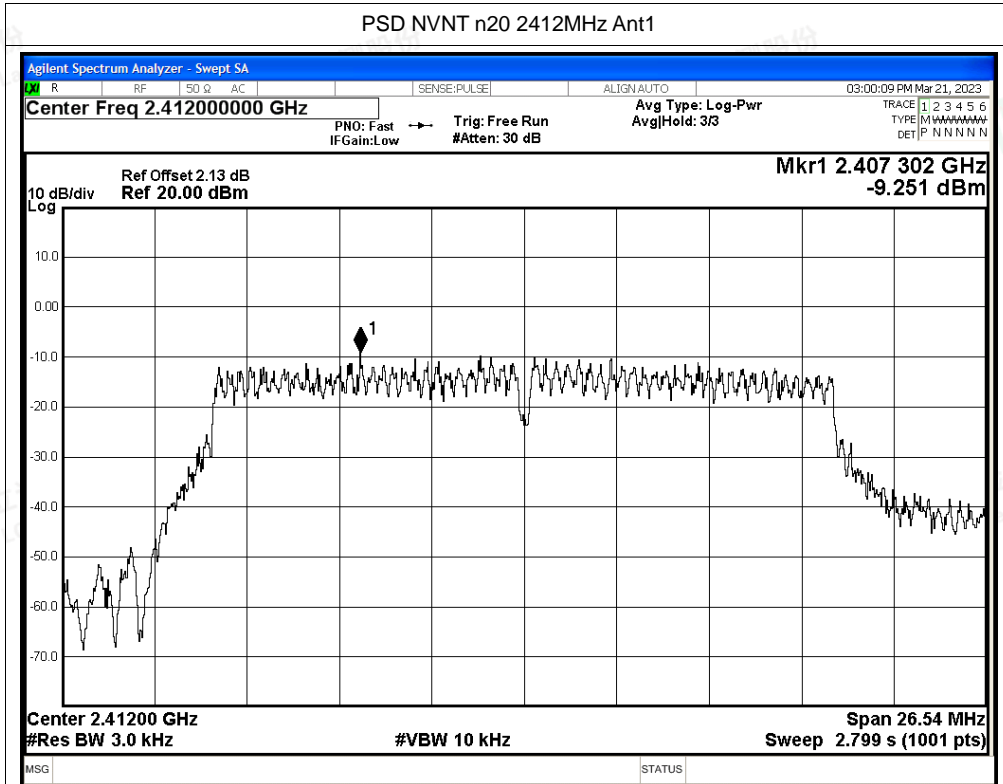
PSD NVNT b 2462MHz Ant1

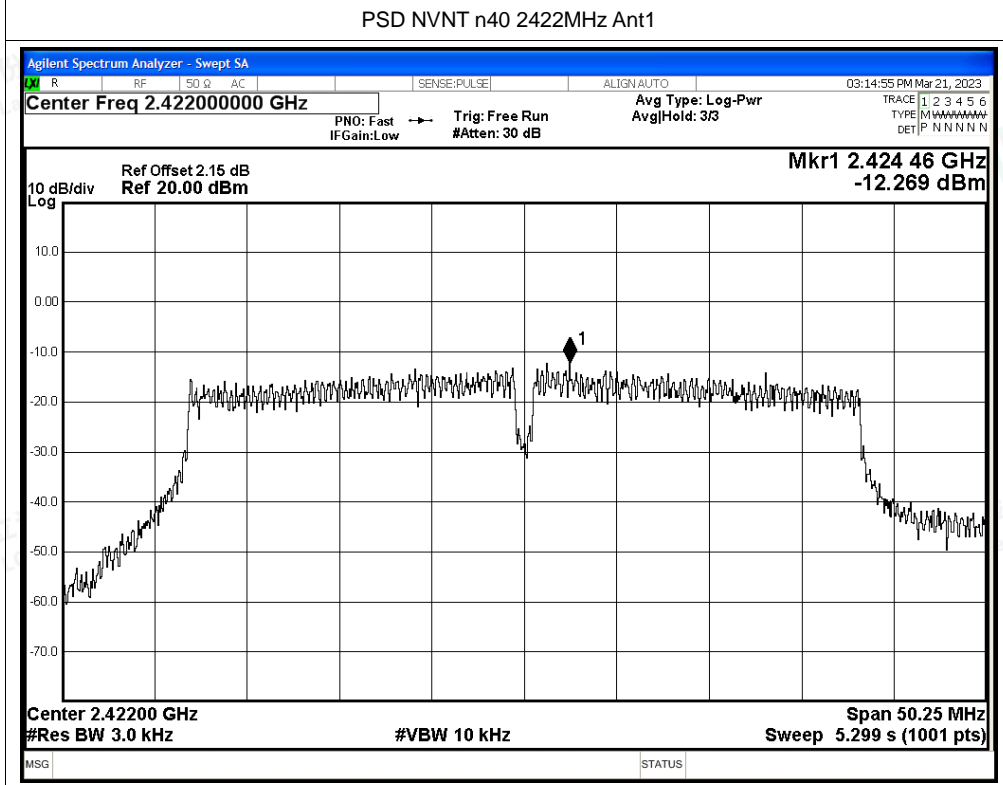
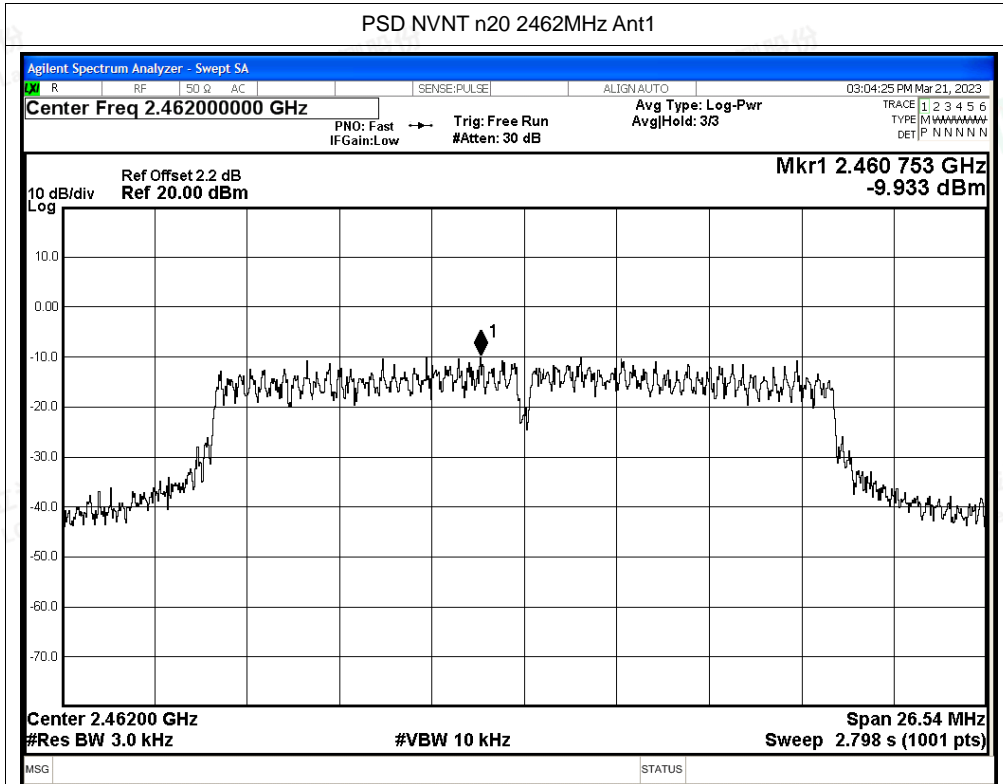


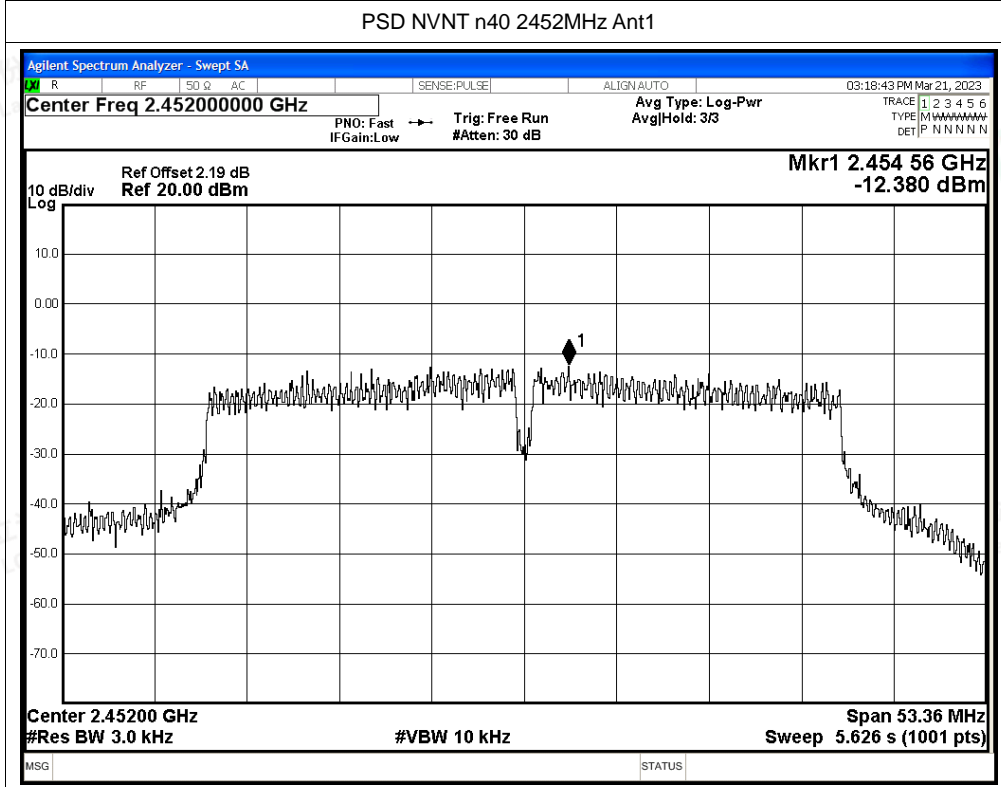
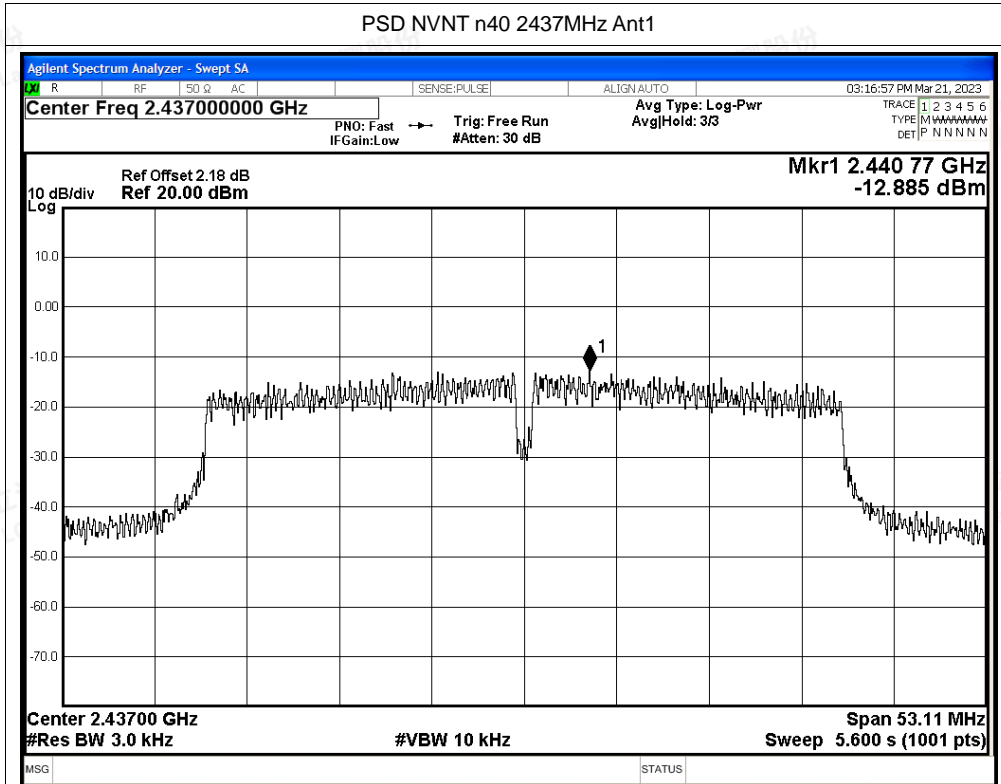
PSD NVNT g 2412MHz Ant1

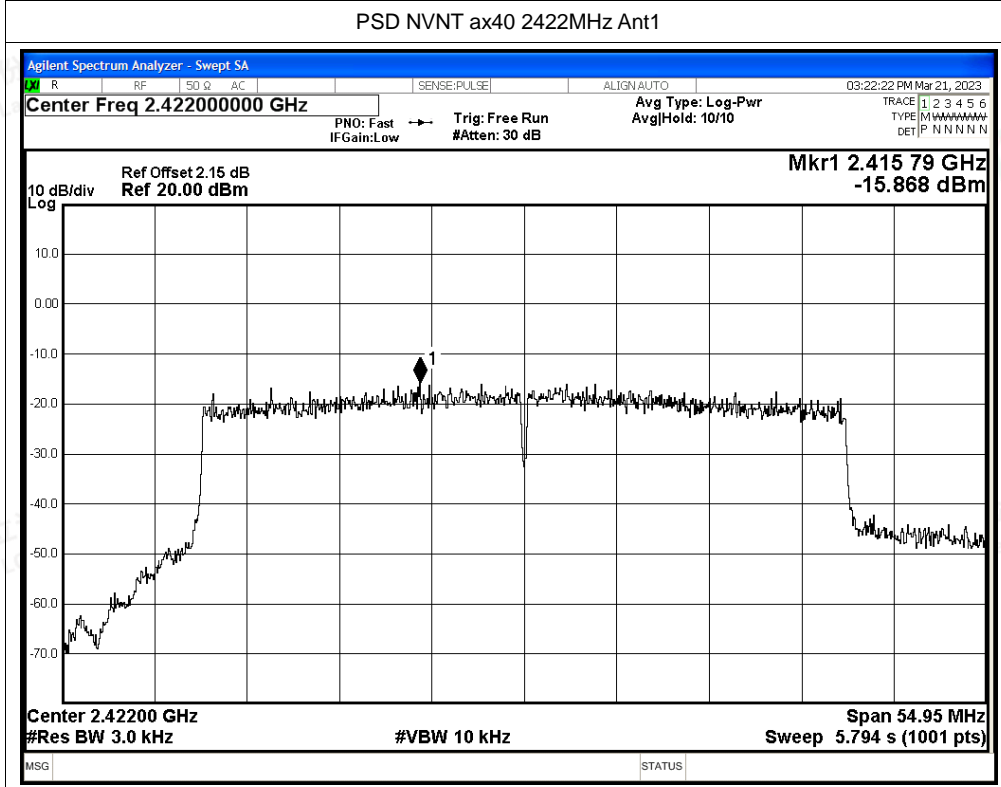
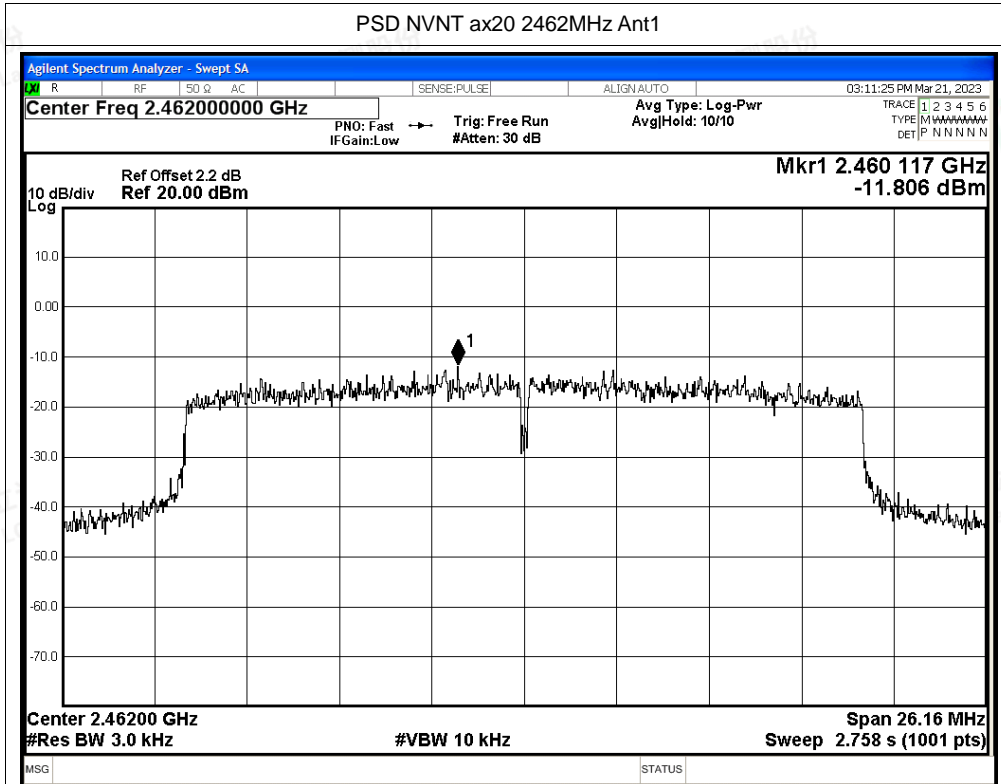


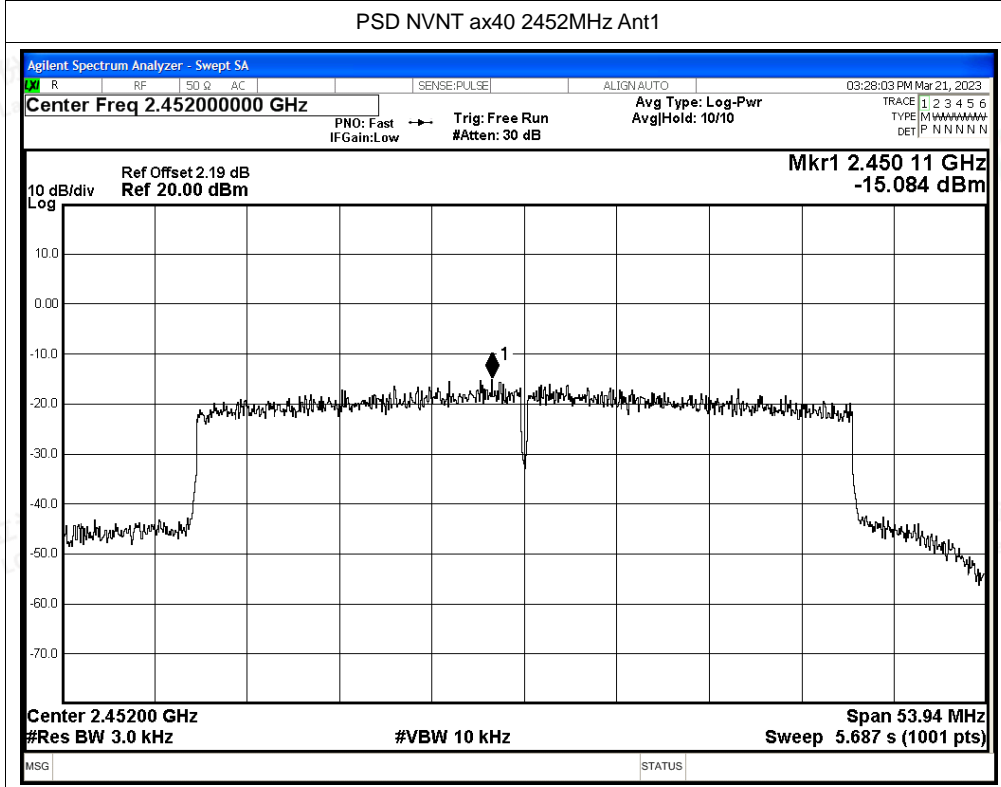
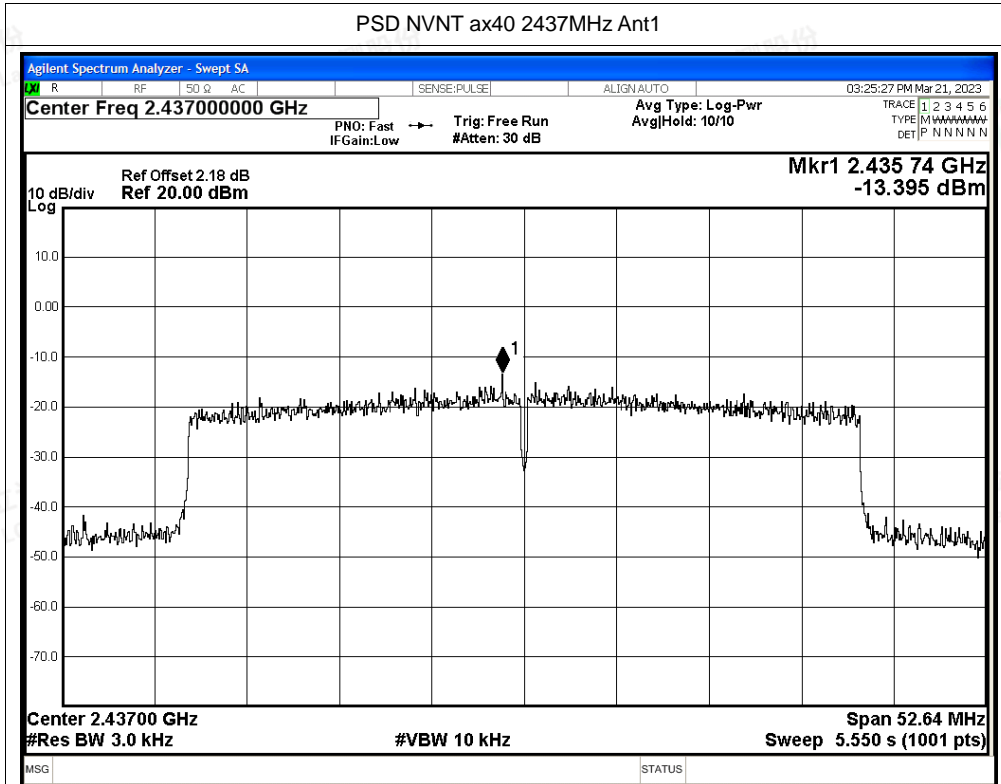














A.4 Band Edge

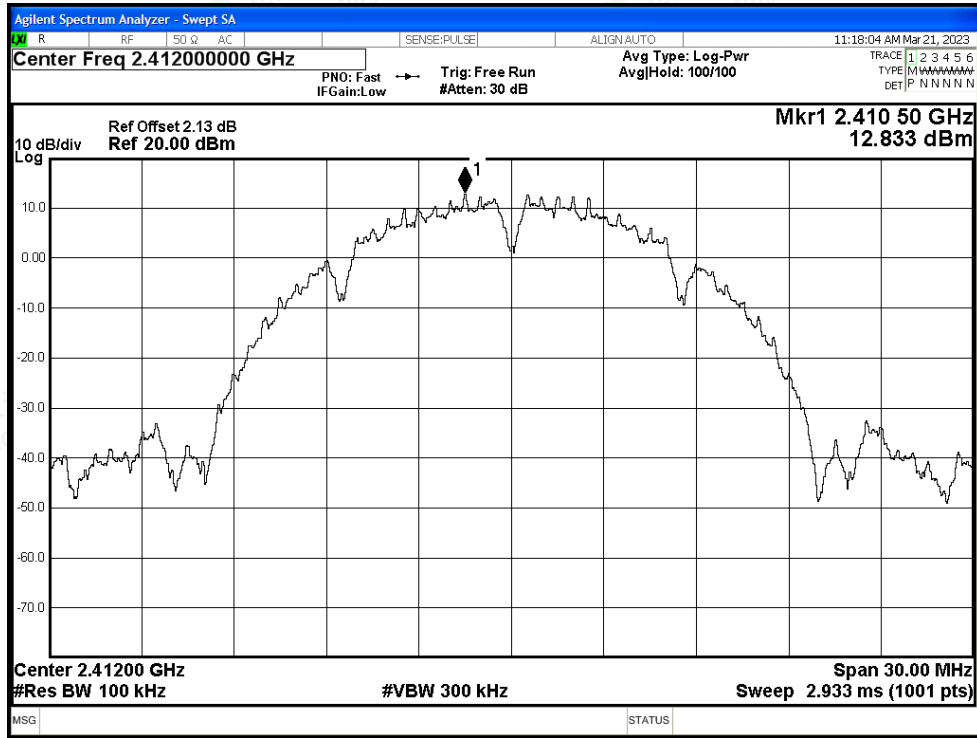
| Condition | Mode | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|------|-----------------|---------|-----------------|-------------|---------|
| NVNT | b | 2412 | Ant0 | -47.03 | -20 | Pass |
| NVNT | b | 2462 | Ant0 | -59.59 | -20 | Pass |
| NVNT | g | 2412 | Ant0 | -45.95 | -20 | Pass |
| NVNT | g | 2462 | Ant0 | -54.17 | -20 | Pass |
| NVNT | n20 | 2412 | Ant0 | -45.43 | -20 | Pass |
| NVNT | n20 | 2462 | Ant0 | -56.95 | -20 | Pass |
| NVNT | n40 | 2422 | Ant0 | -39.03 | -20 | Pass |
| NVNT | n40 | 2452 | Ant0 | -49.56 | -20 | Pass |
| NVNT | ax20 | 2412 | Ant0 | -47.25 | -20 | Pass |
| NVNT | ax20 | 2462 | Ant0 | -56.21 | -20 | Pass |
| NVNT | ax40 | 2422 | Ant0 | -34.65 | -20 | Pass |
| NVNT | ax40 | 2452 | Ant0 | -49 | -20 | Pass |



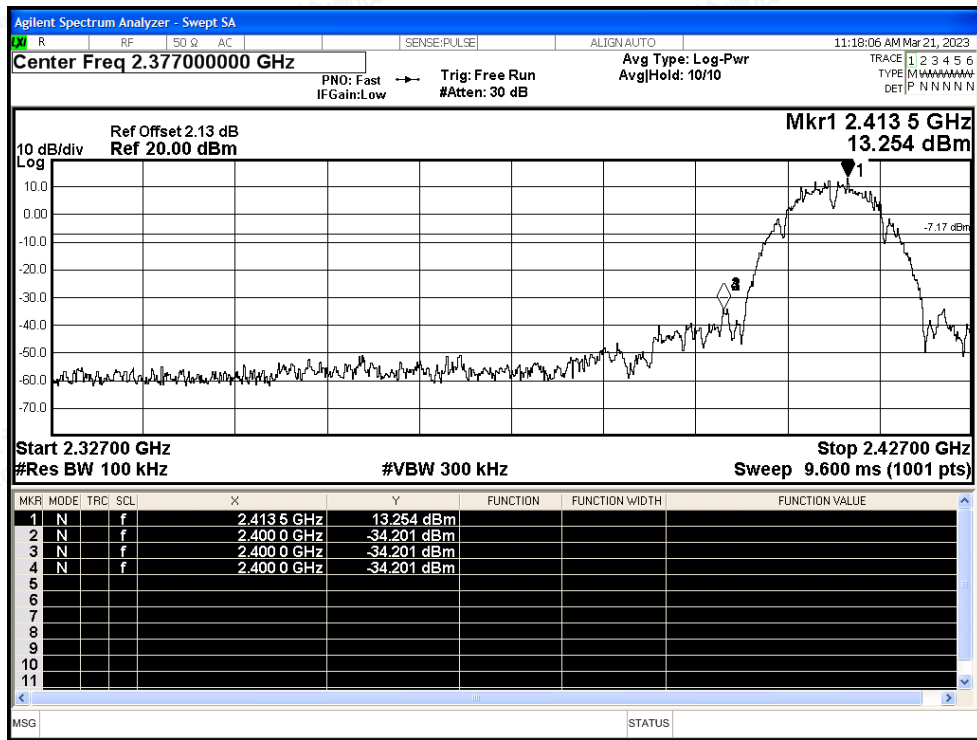


Test Graphs

Band Edge NVNT b 2412MHz Ant0 Ref

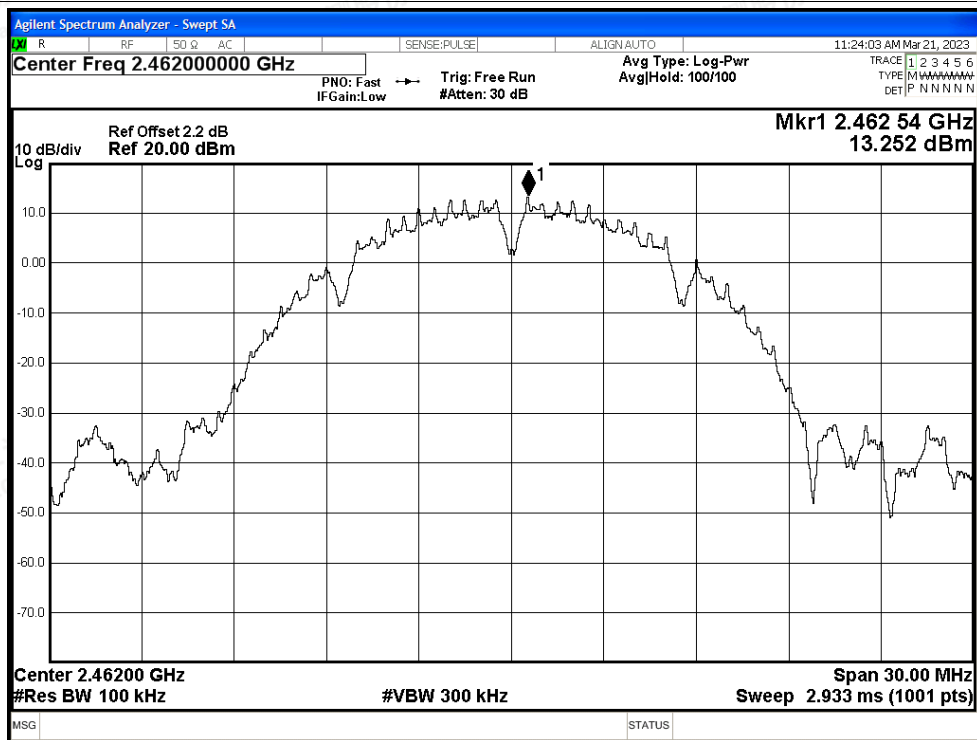


Band Edge NVNT b 2412MHz Ant0 Emission

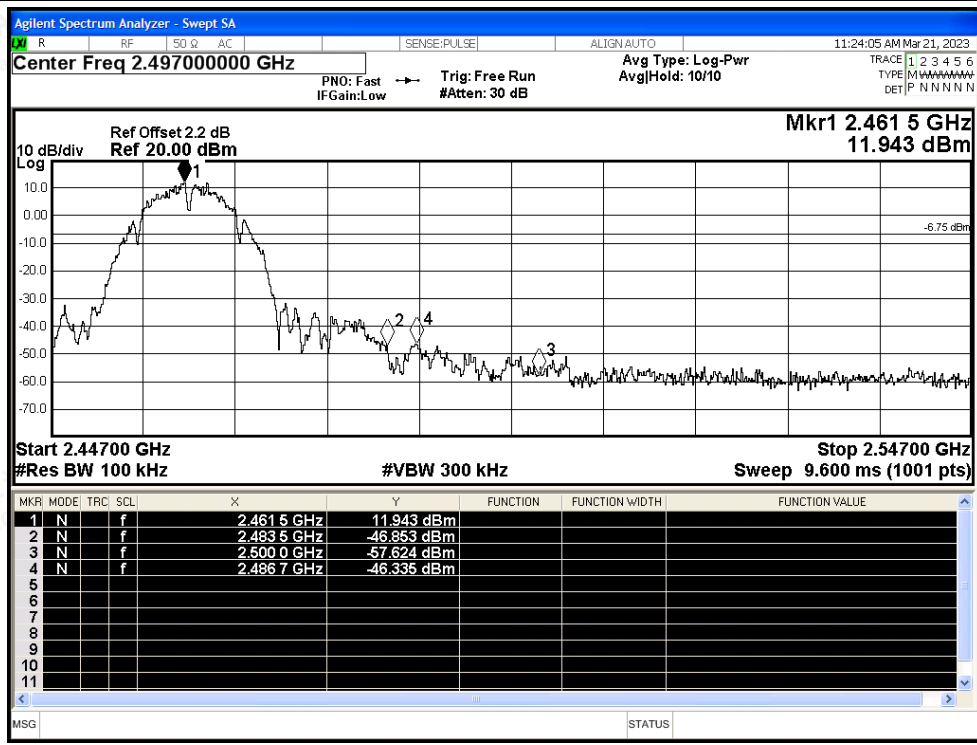




Band Edge NVNT b 2462MHz Ant0 Ref

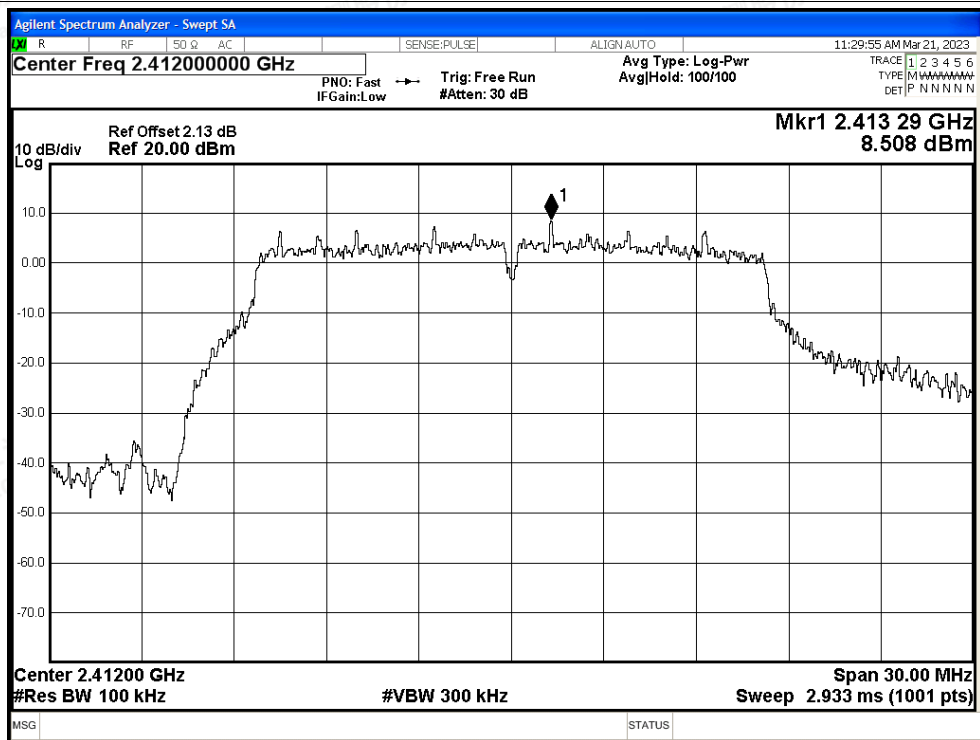


Band Edge NVNT b 2462MHz Ant0 Emission

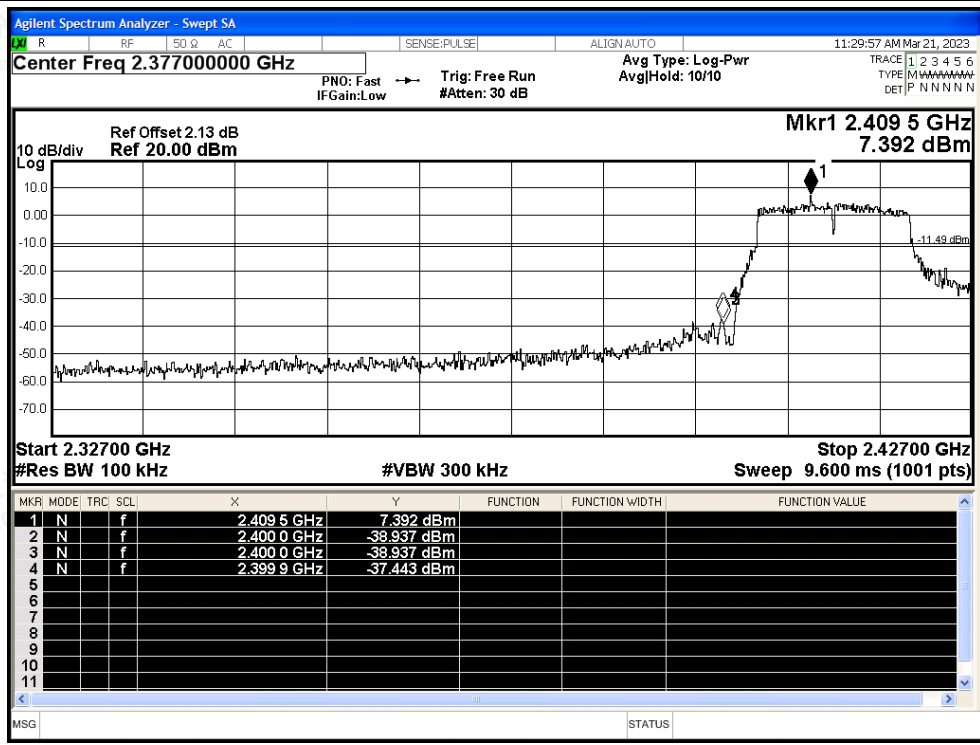




Band Edge NVNT g 2412MHz Ant0 Ref

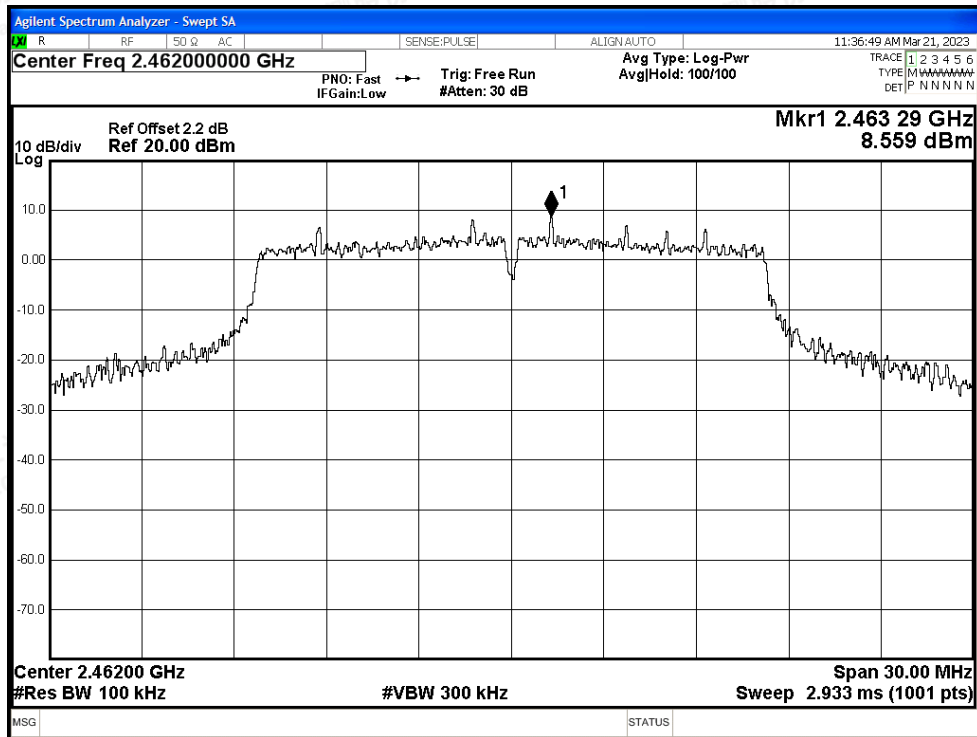


Band Edge NVNT g 2412MHz Ant0 Emission

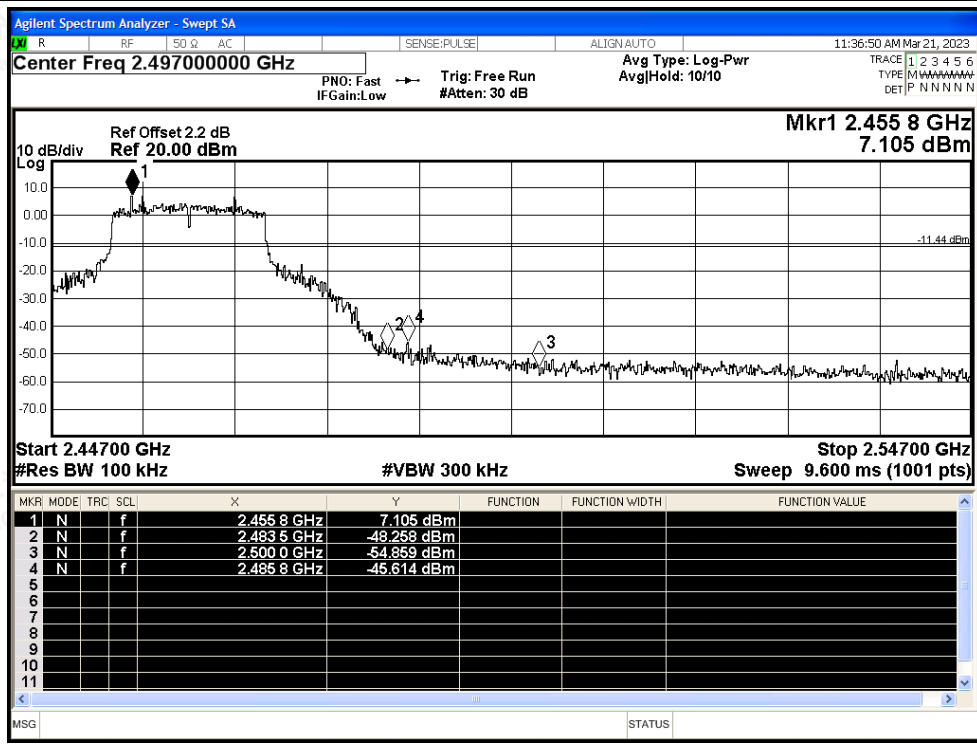


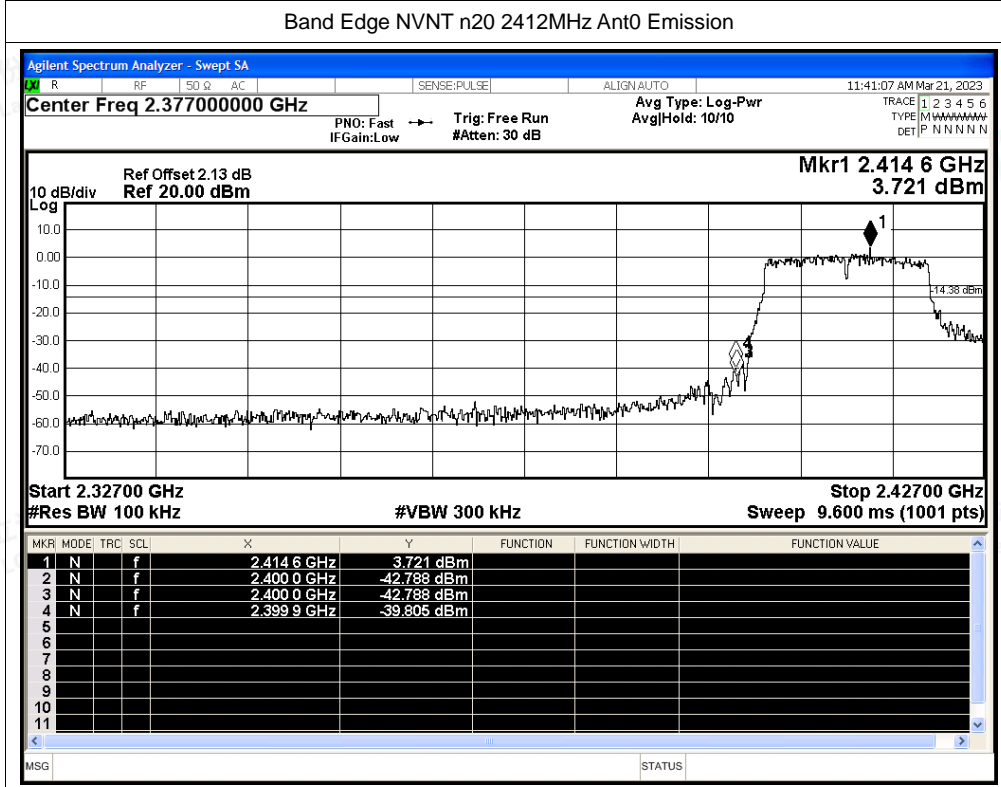
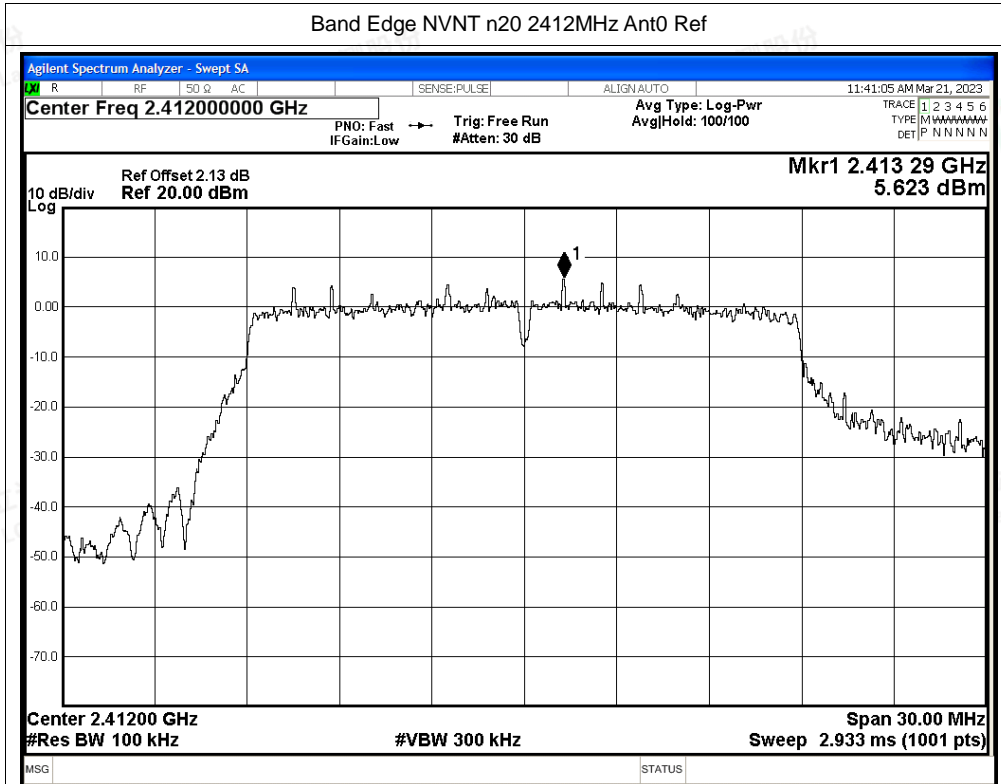


Band Edge NVNT g 2462MHz Ant0 Ref



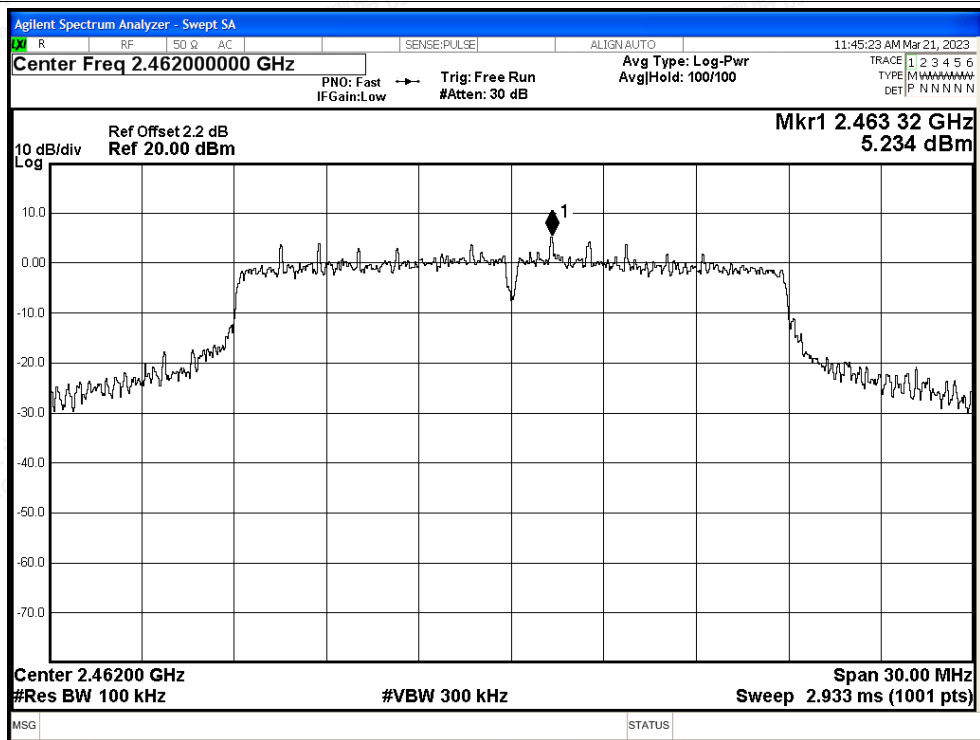
Band Edge NVNT g 2462MHz Ant0 Emission



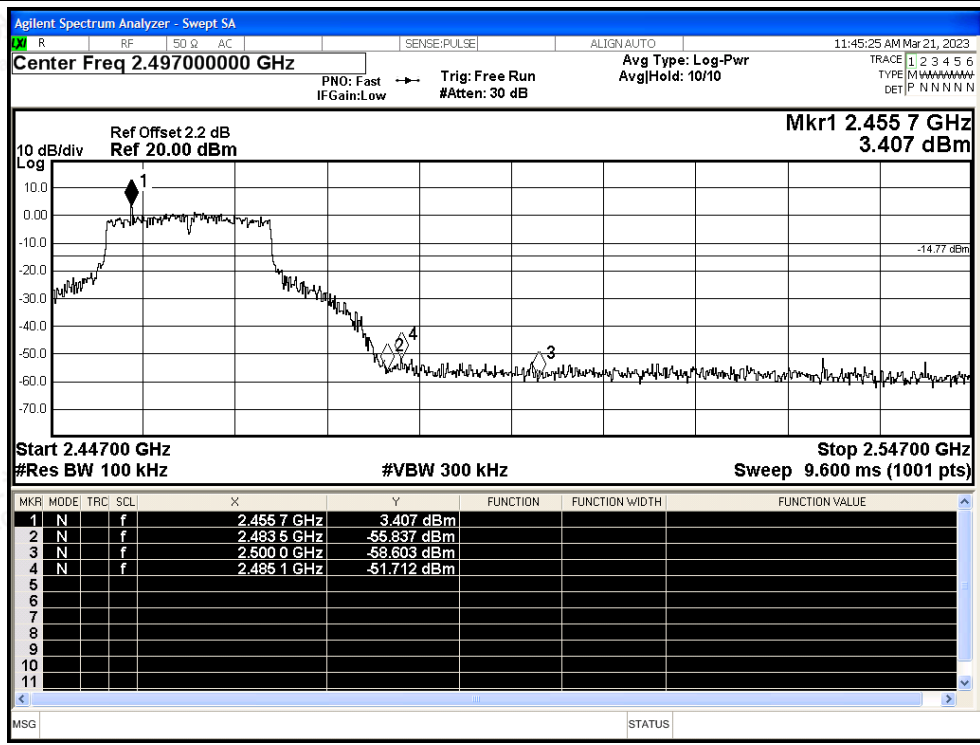




Band Edge NVNT n20 2462MHz Ant0 Ref

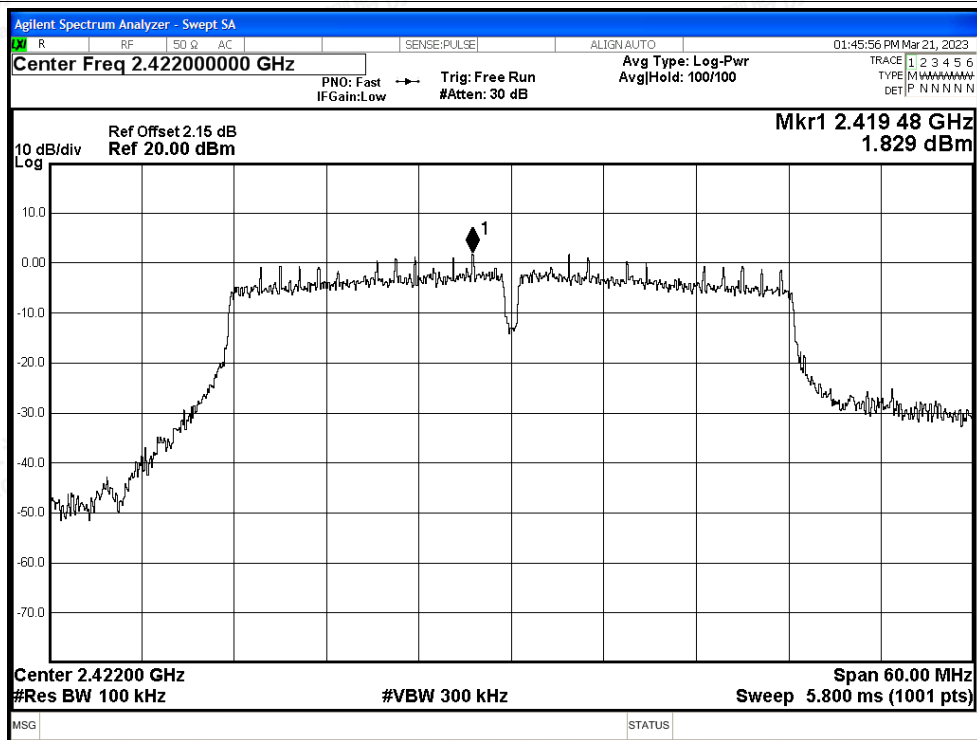


Band Edge NVNT n20 2462MHz Ant0 Emission

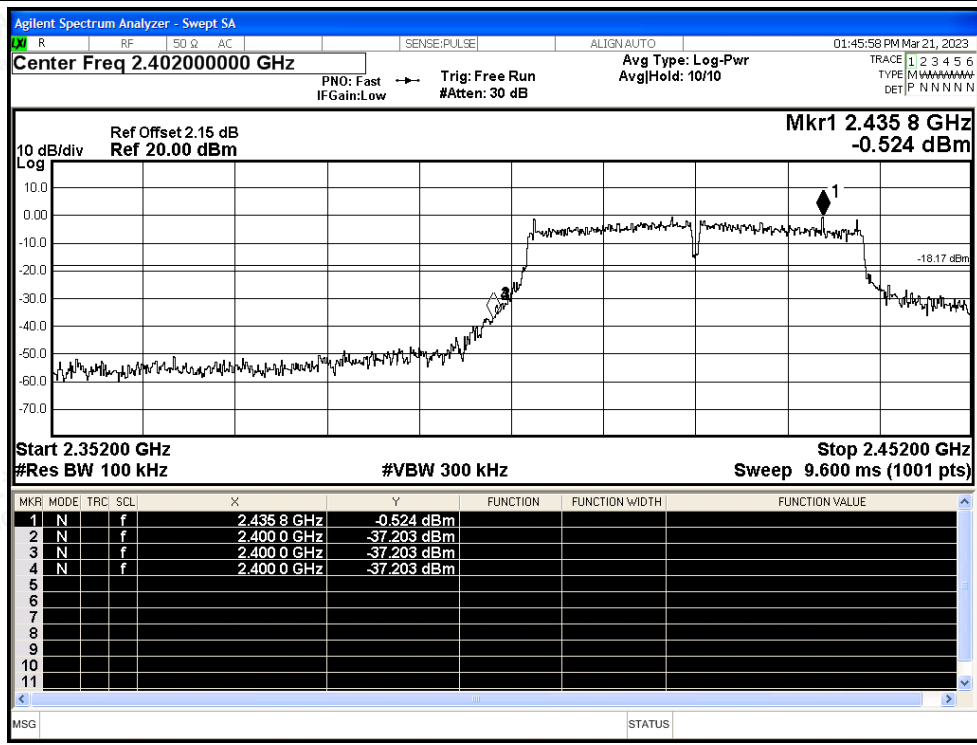




Band Edge NVNT n40 2422MHz Ant0 Ref

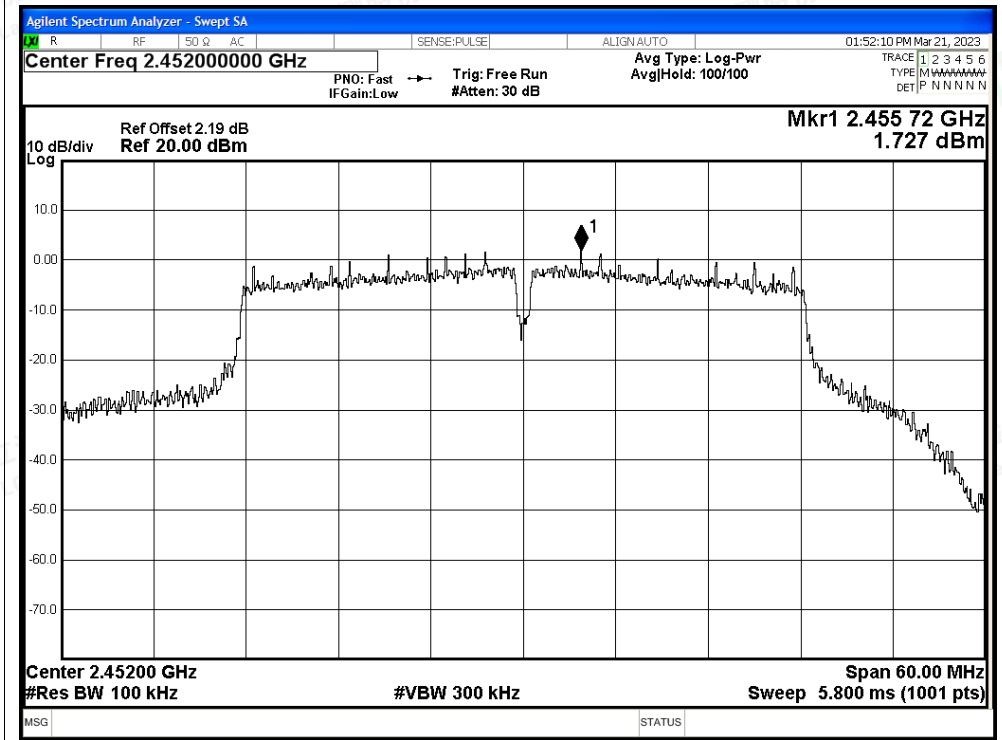


Band Edge NVNT n40 2422MHz Ant0 Emission

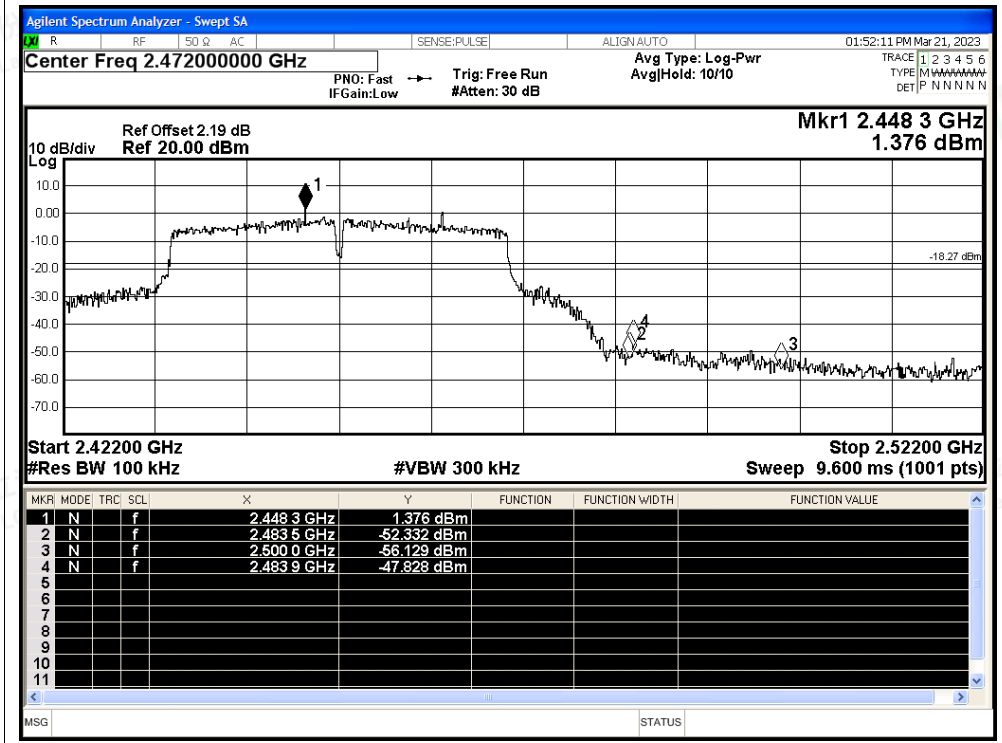


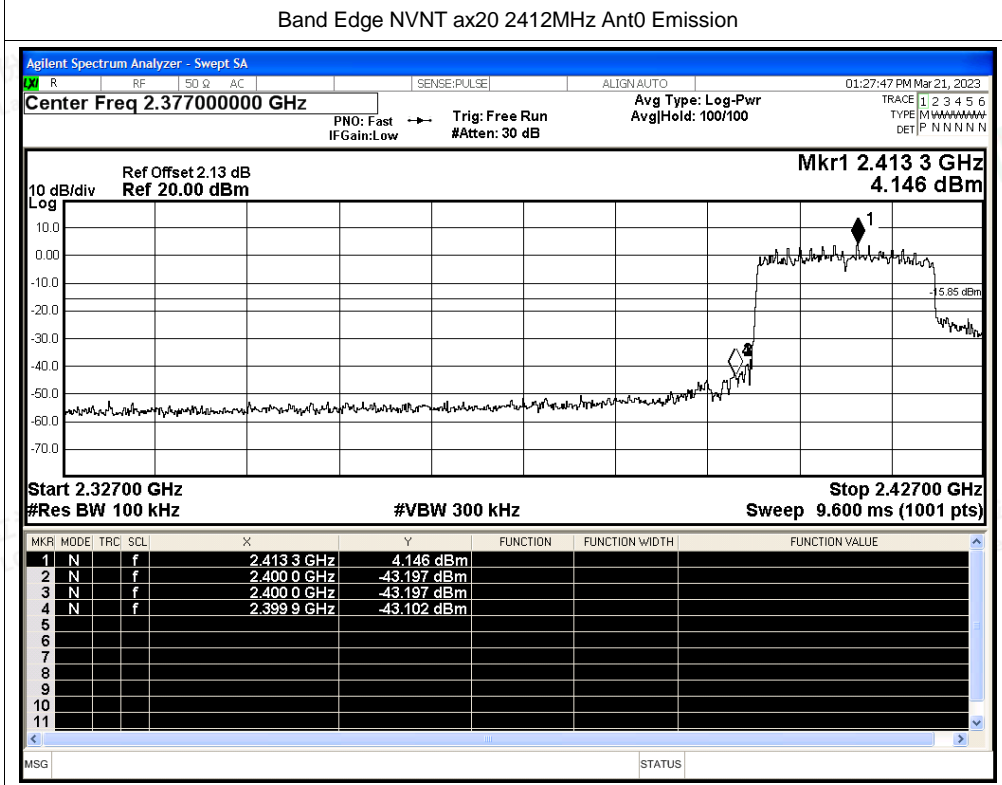
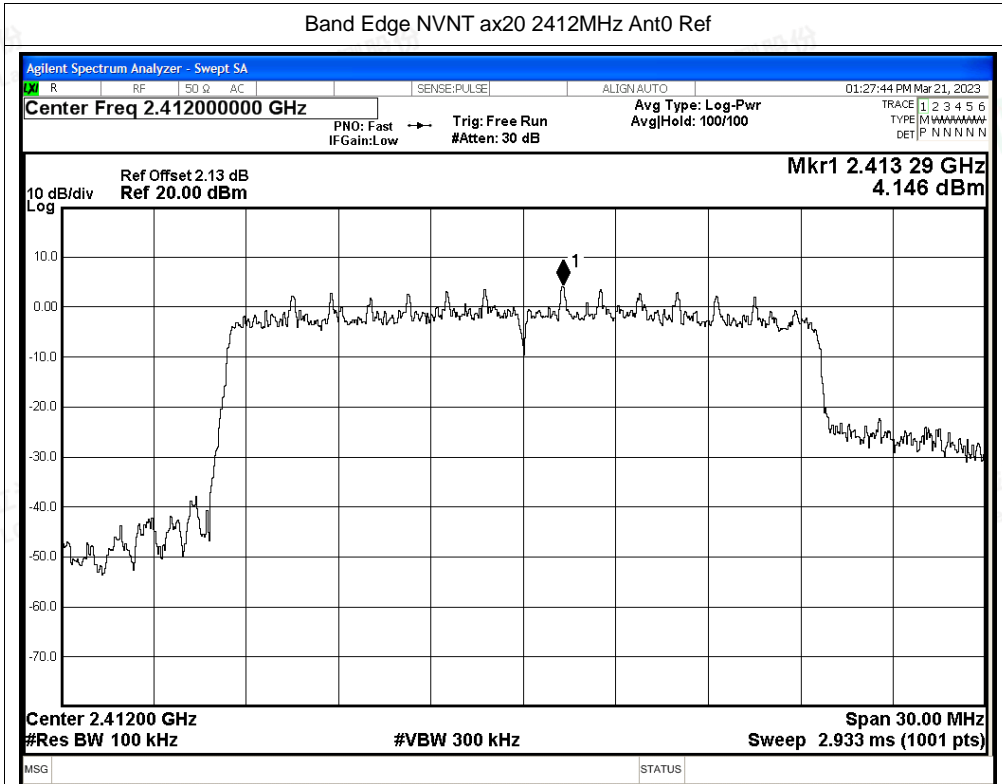


Band Edge NVNT n40 2452MHz Ant0 Ref



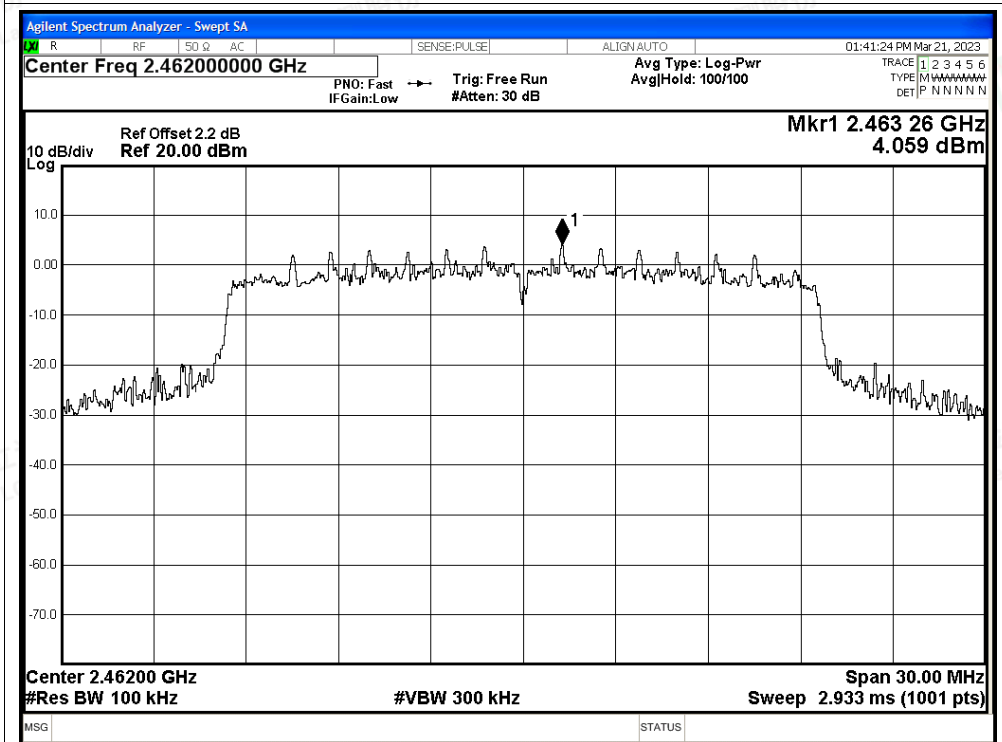
Band Edge NVNT n40 2452MHz Ant0 Emission



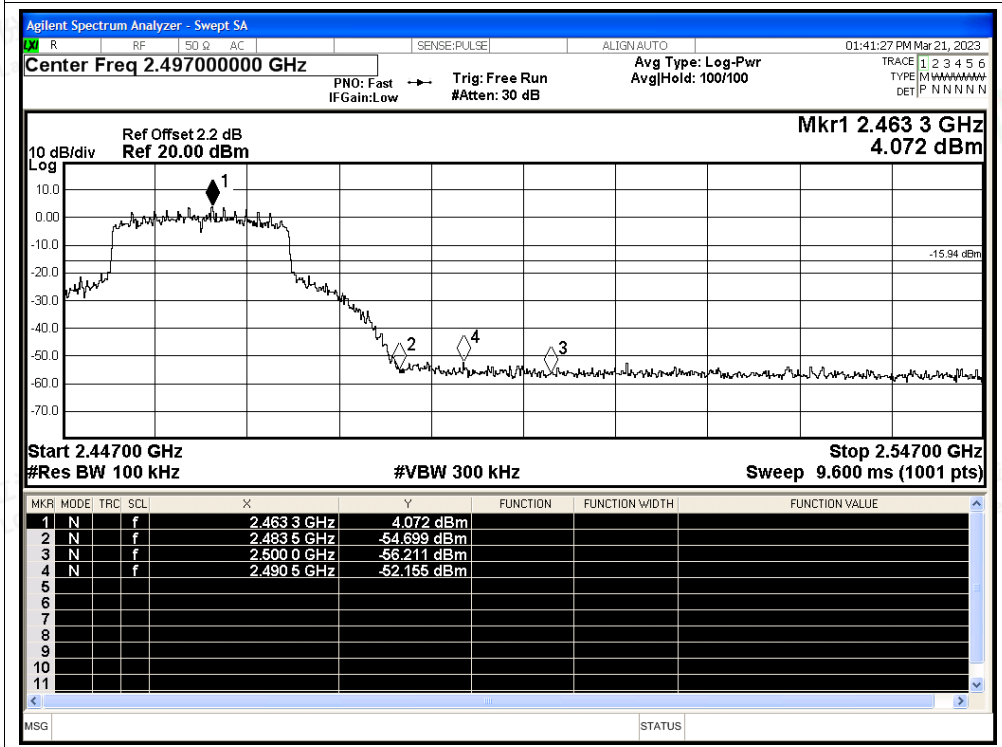




Band Edge NVNT ax20 2462MHz Ant0 Ref

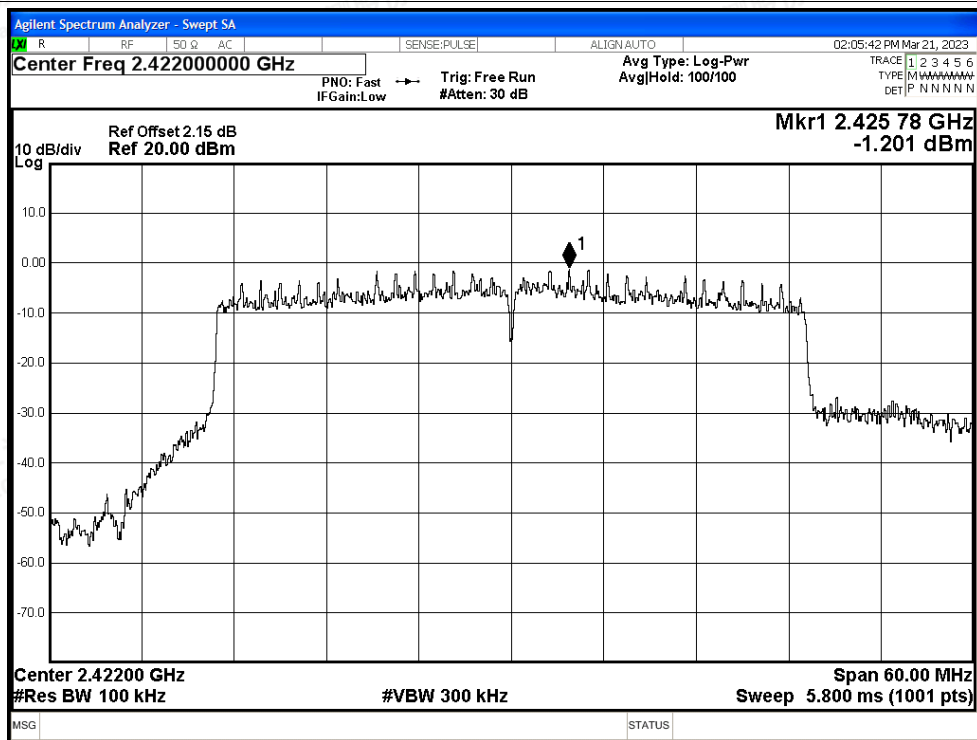


Band Edge NVNT ax20 2462MHz Ant0 Emission

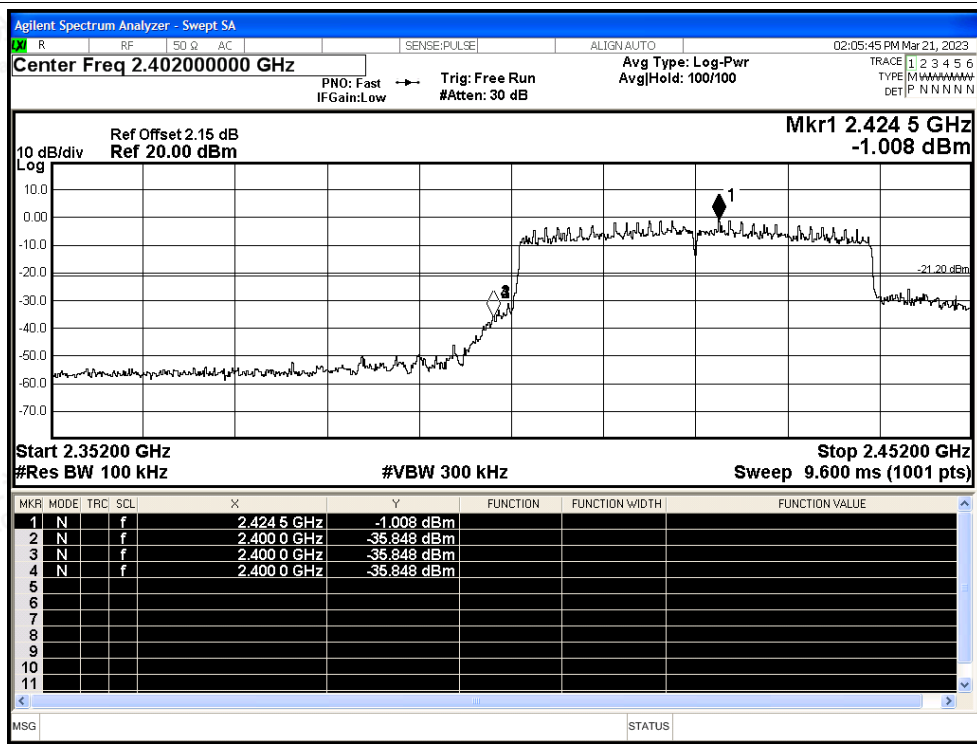




Band Edge NVNT ax40 2422MHz Ant0 Ref

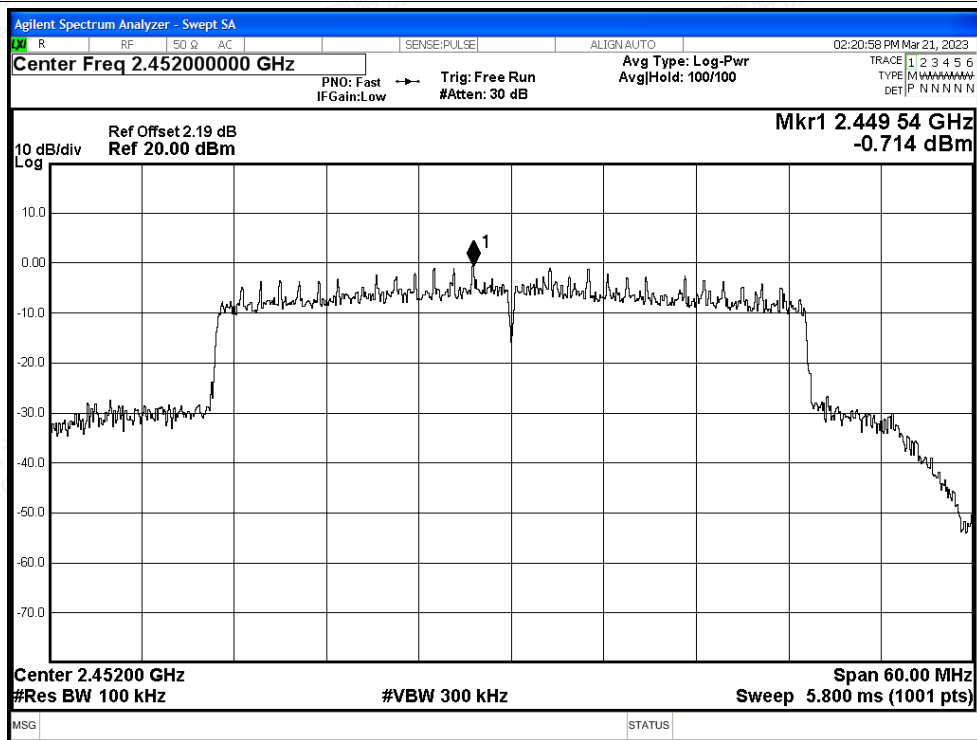


Band Edge NVNT ax40 2422MHz Ant0 Emission

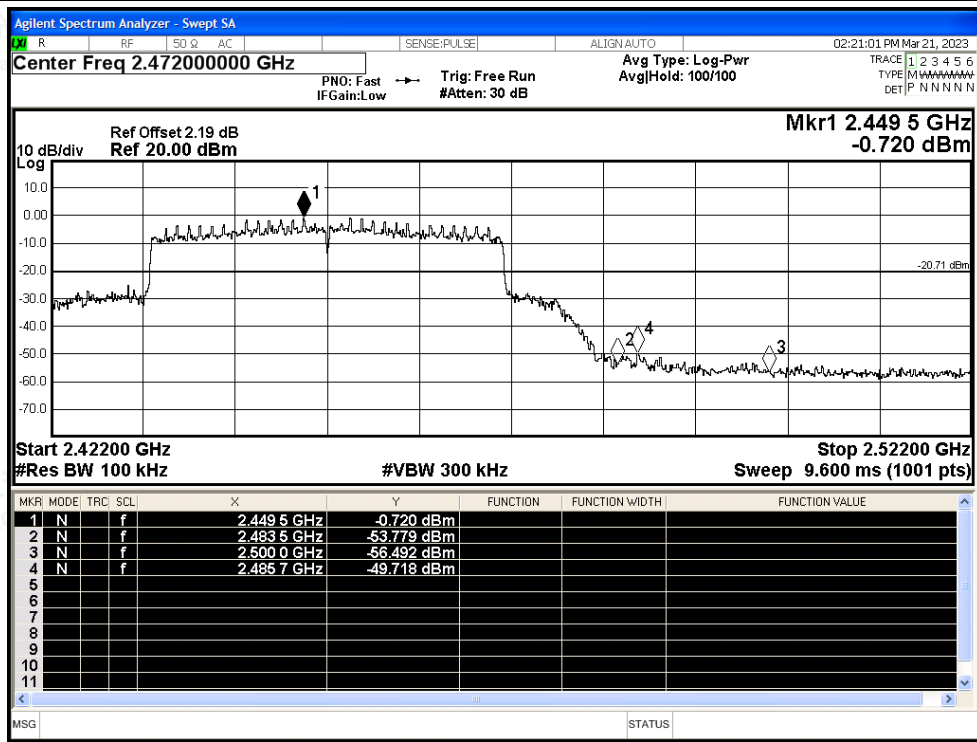




Band Edge NVNT ax40 2452MHz Ant0 Ref



Band Edge NVNT ax40 2452MHz Ant0 Emission





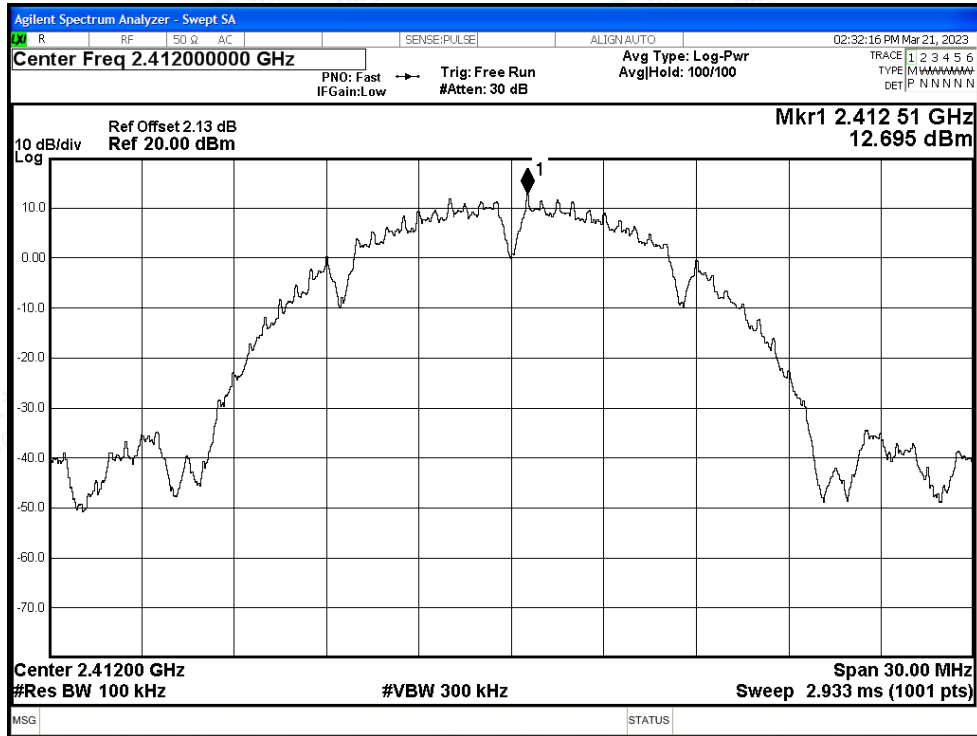
| Condition | Mode | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|------|-----------------|---------|-----------------|-------------|---------|
| NVNT | b | 2412 | Ant1 | -48.52 | -20 | Pass |
| NVNT | b | 2462 | Ant1 | -57.01 | -20 | Pass |
| NVNT | g | 2412 | Ant1 | -44.49 | -20 | Pass |
| NVNT | g | 2462 | Ant1 | -55.88 | -20 | Pass |
| NVNT | n20 | 2412 | Ant1 | -45.8 | -20 | Pass |
| NVNT | n20 | 2462 | Ant1 | -55.18 | -20 | Pass |
| NVNT | n40 | 2422 | Ant1 | -36.68 | -20 | Pass |
| NVNT | n40 | 2452 | Ant1 | -47.86 | -20 | Pass |
| NVNT | ax20 | 2412 | Ant1 | -45.89 | -20 | Pass |
| NVNT | ax20 | 2462 | Ant1 | -54.47 | -20 | Pass |
| NVNT | ax40 | 2422 | Ant1 | -36.66 | -20 | Pass |
| NVNT | ax40 | 2452 | Ant1 | -47.81 | -20 | Pass |



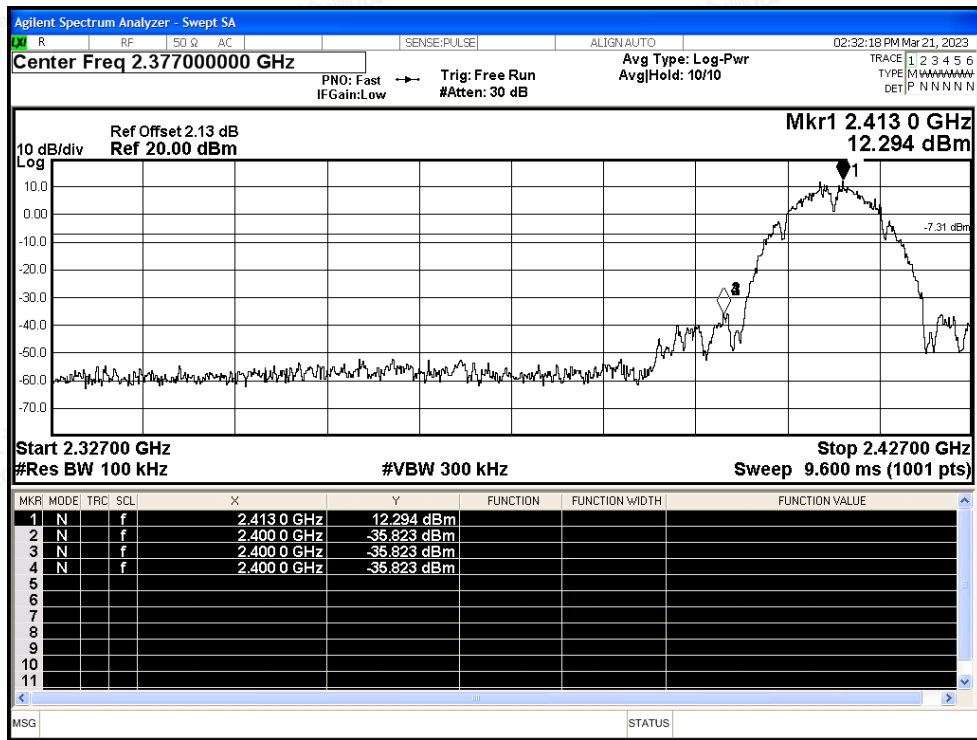


Test Graphs

Band Edge NVNT b 2412MHz Ant1 Ref

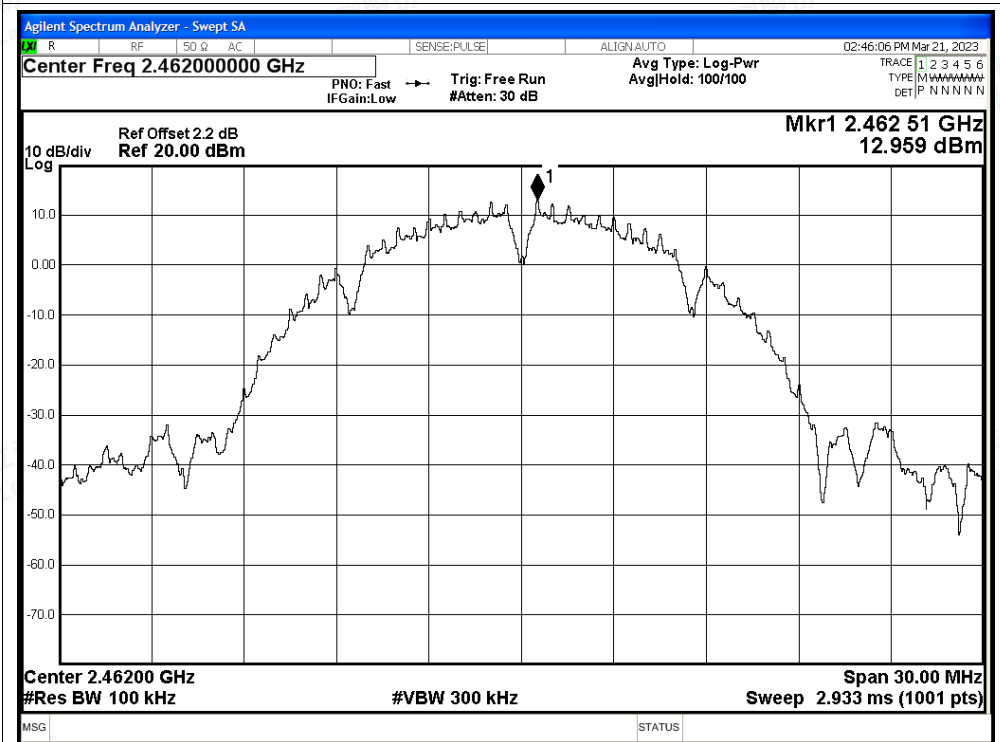


Band Edge NVNT b 2412MHz Ant1 Emission

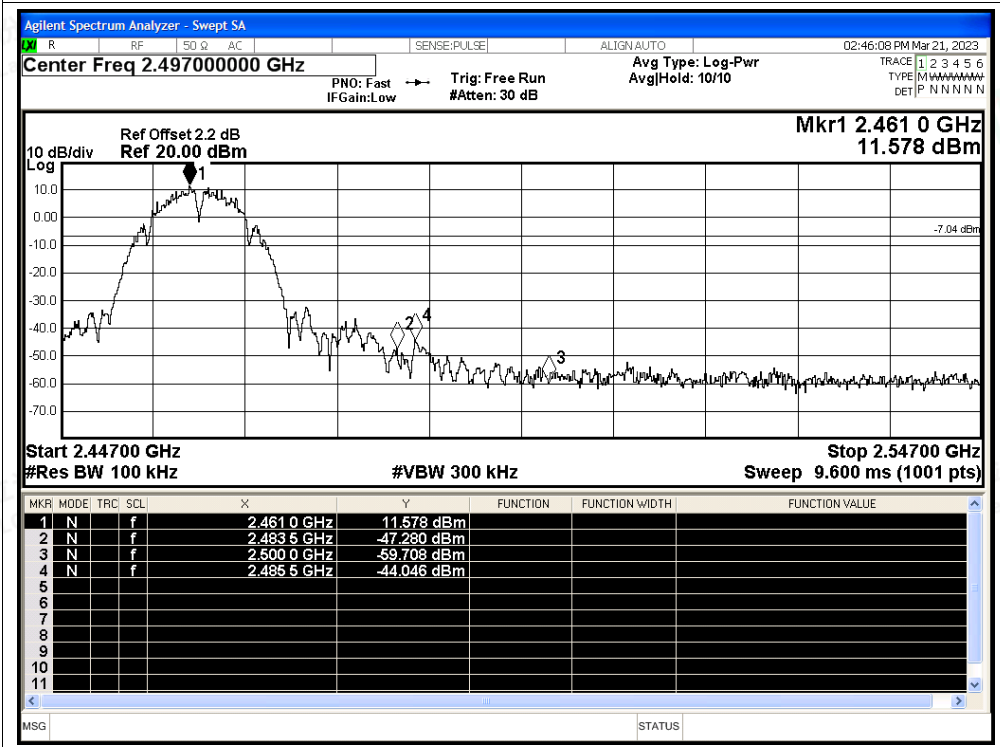




Band Edge NVNT b 2462MHz Ant1 Ref

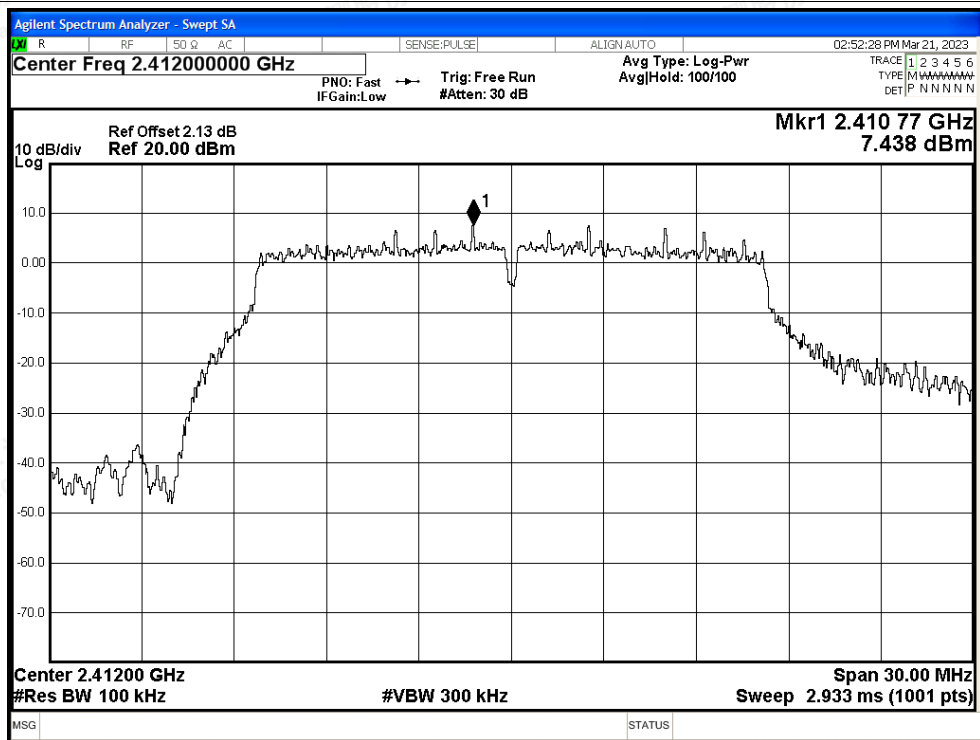


Band Edge NVNT b 2462MHz Ant1 Emission

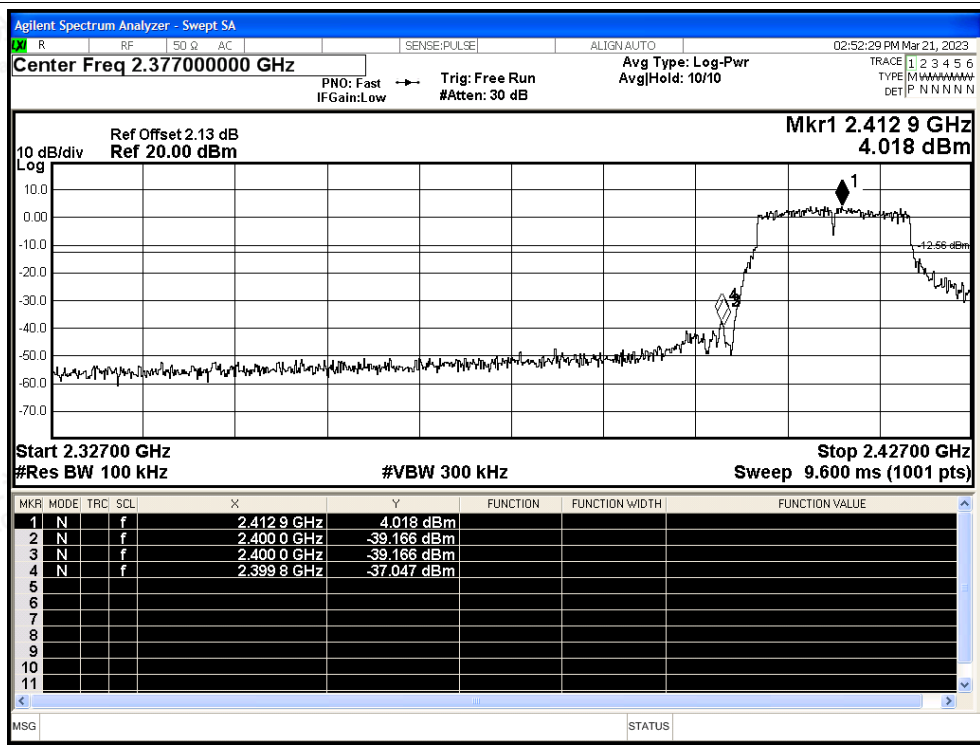




Band Edge NVNT g 2412MHz Ant1 Ref

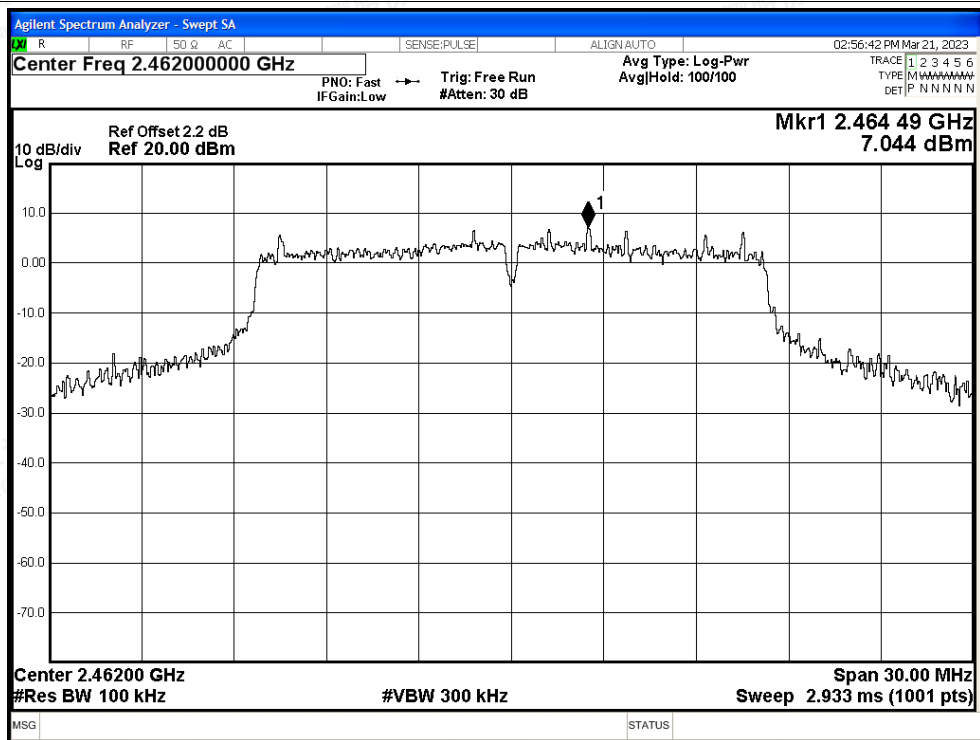


Band Edge NVNT g 2412MHz Ant1 Emission

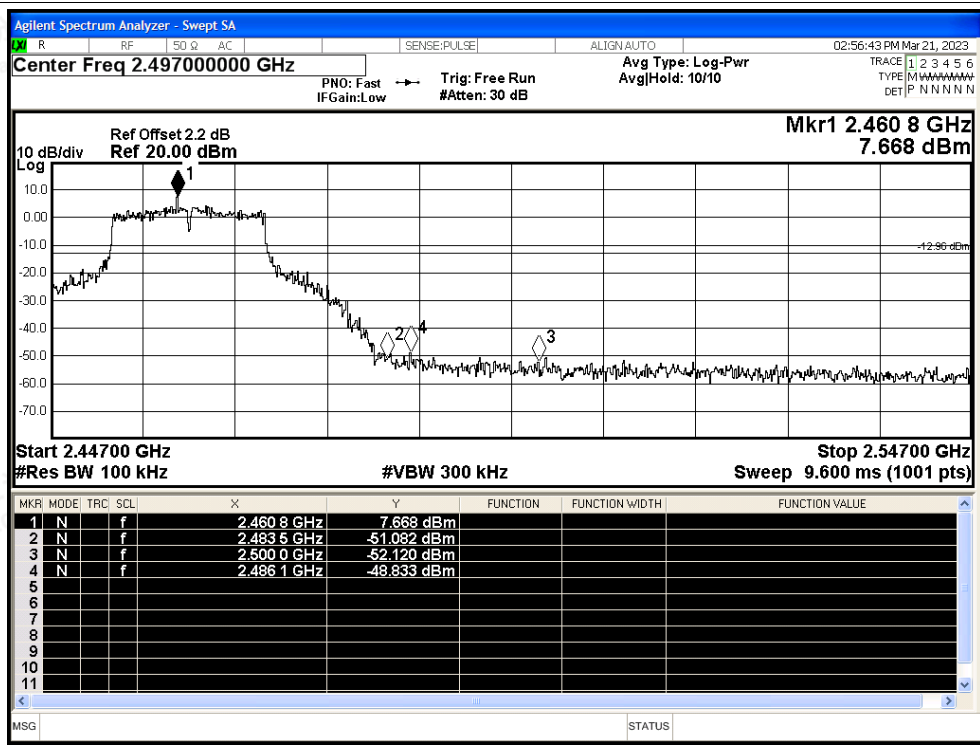




Band Edge NVNT g 2462MHz Ant1 Ref

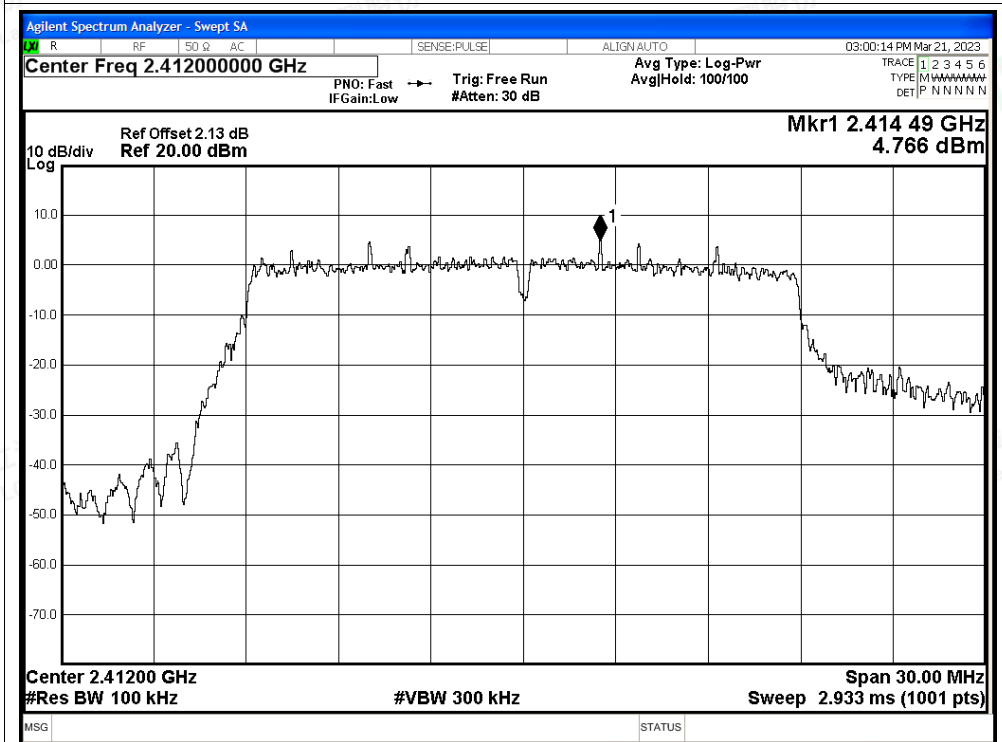


Band Edge NVNT g 2462MHz Ant1 Emission

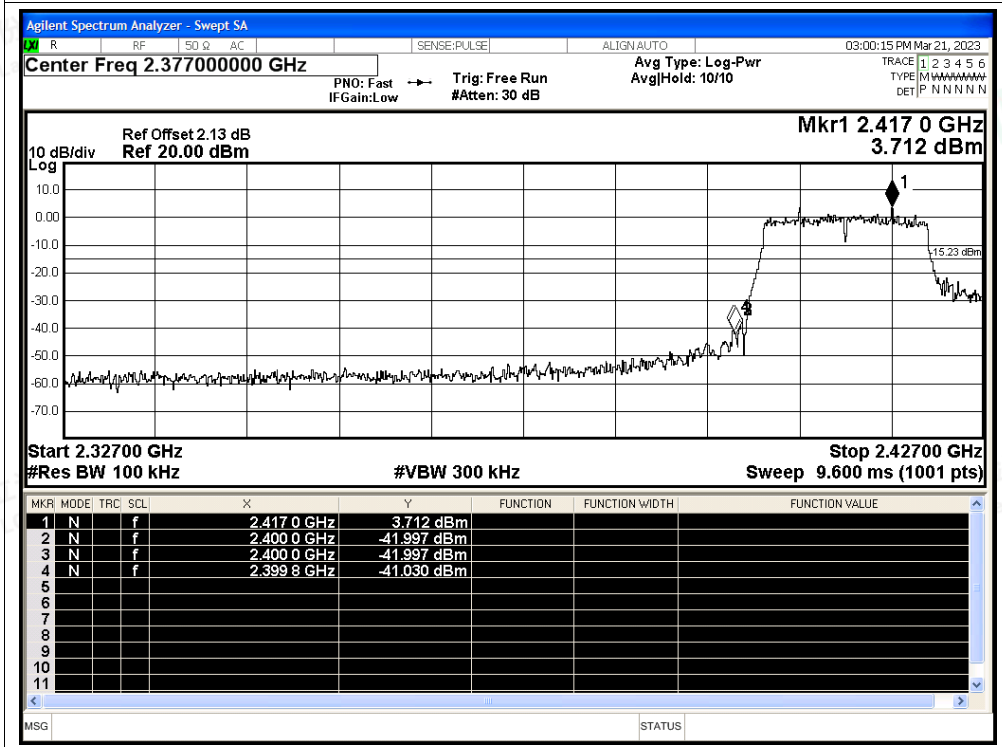




Band Edge NVNT n20 2412MHz Ant1 Ref

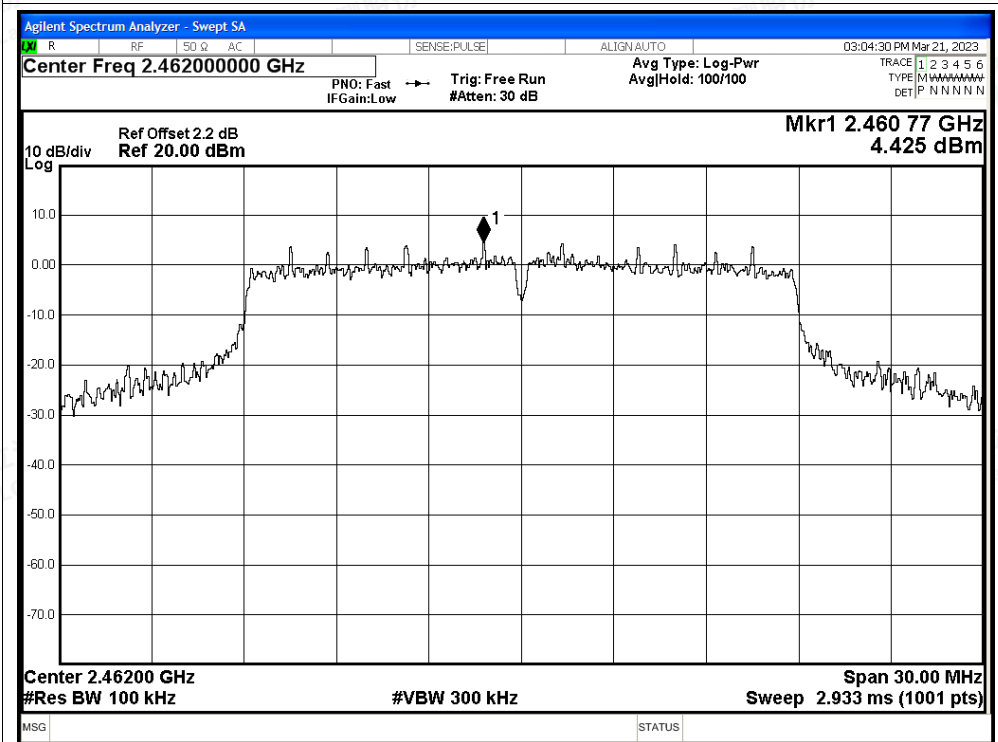


Band Edge NVNT n20 2412MHz Ant1 Emission

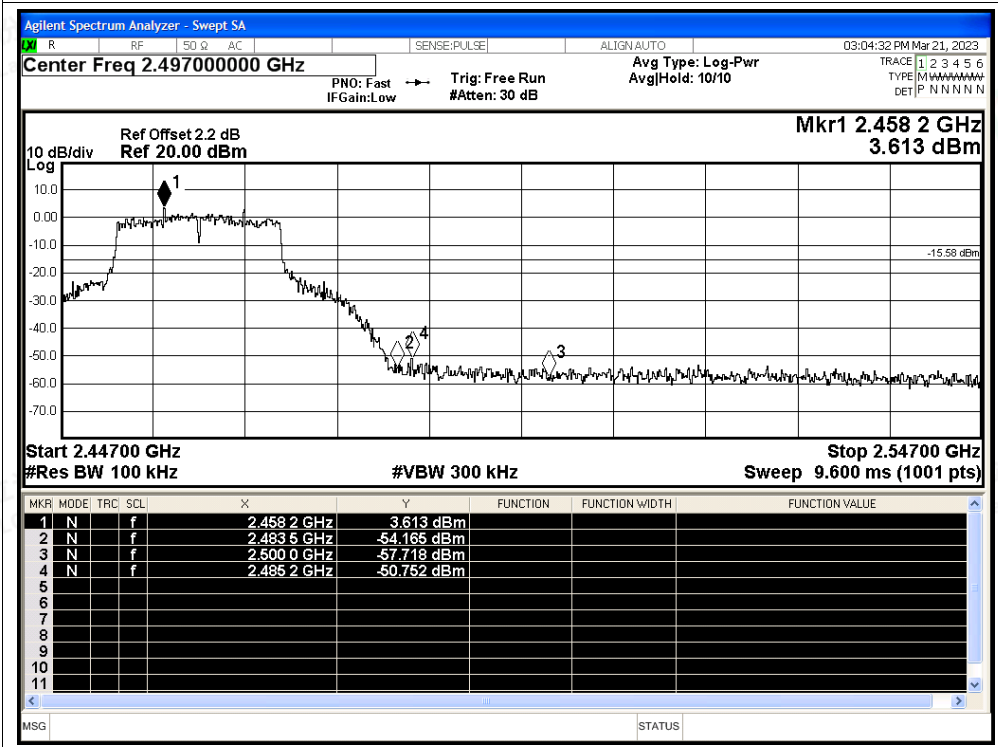




Band Edge NVNT n20 2462MHz Ant1 Ref

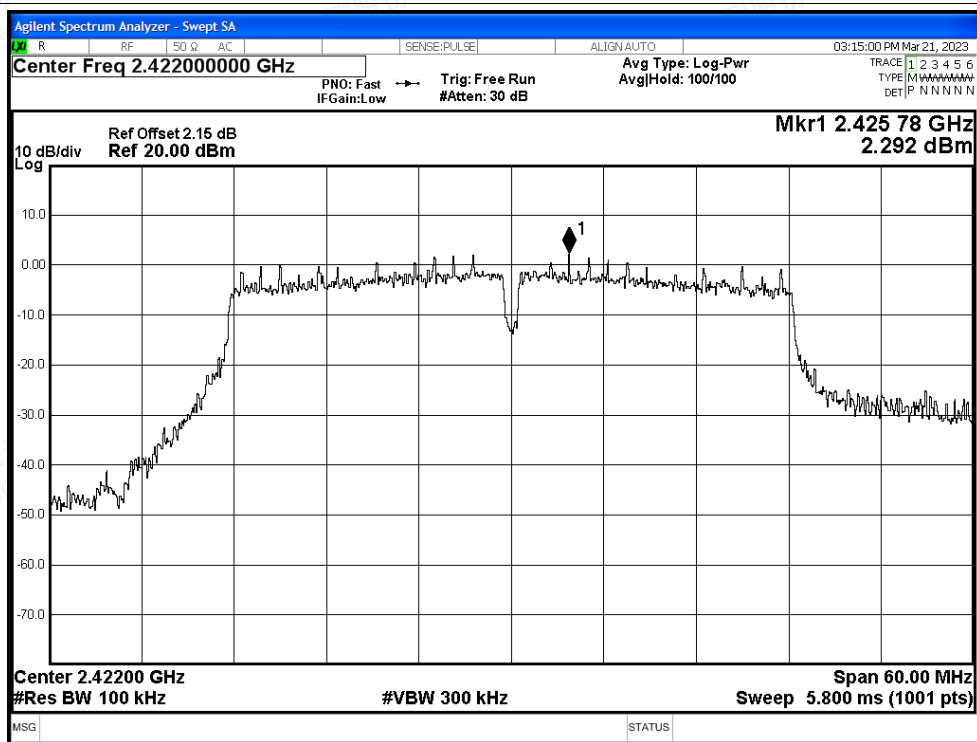


Band Edge NVNT n20 2462MHz Ant1 Emission

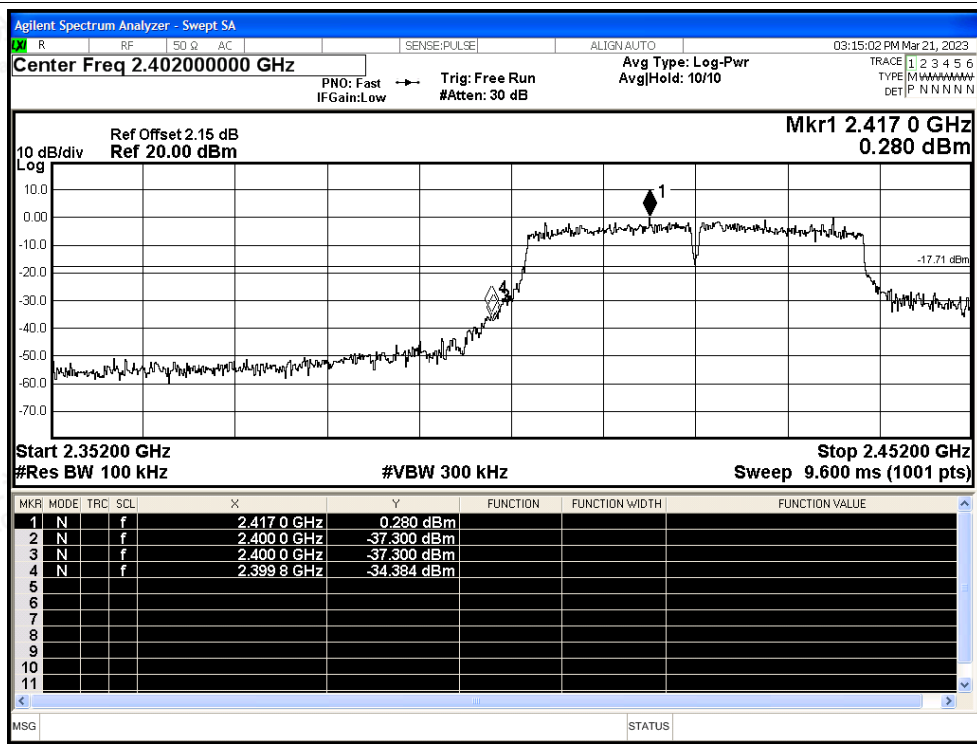




Band Edge NVNT n40 2422MHz Ant1 Ref

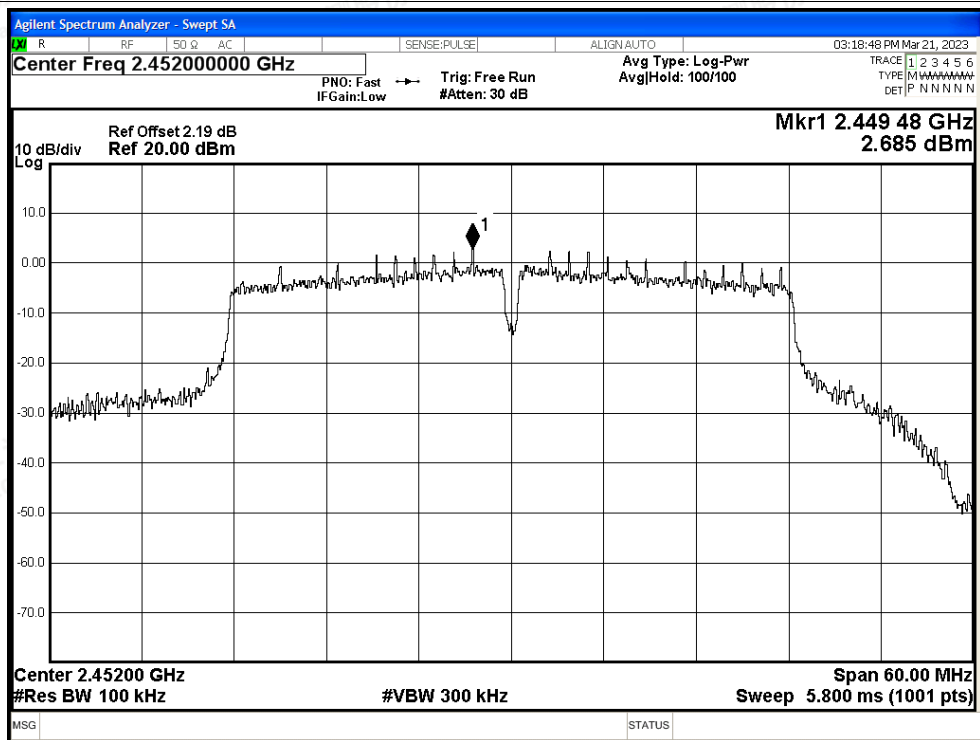


Band Edge NVNT n40 2422MHz Ant1 Emission

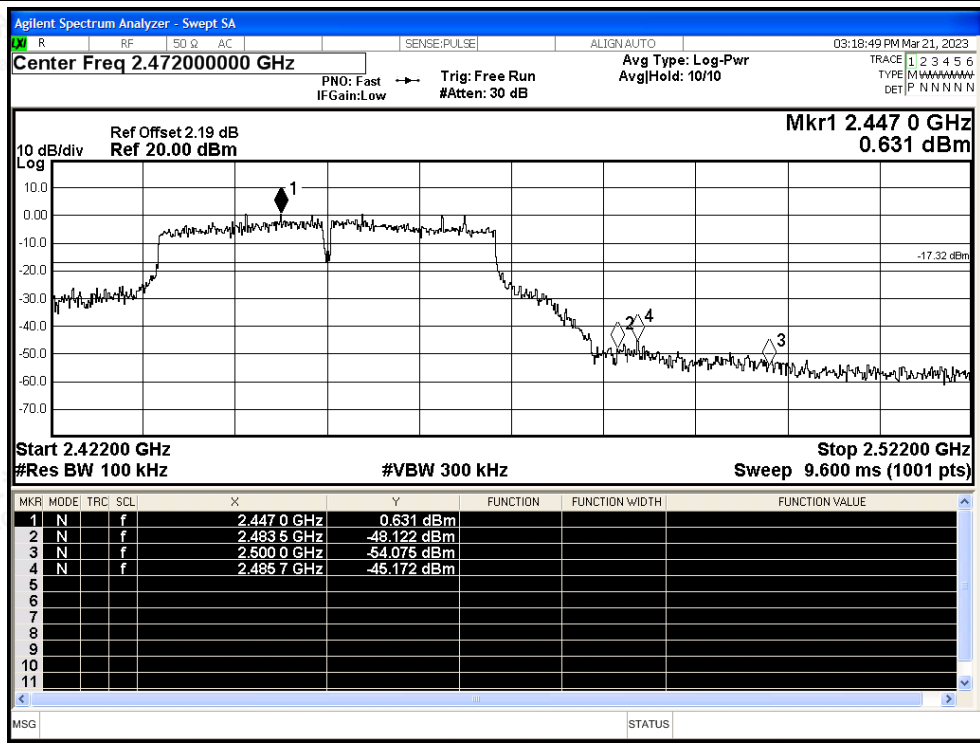


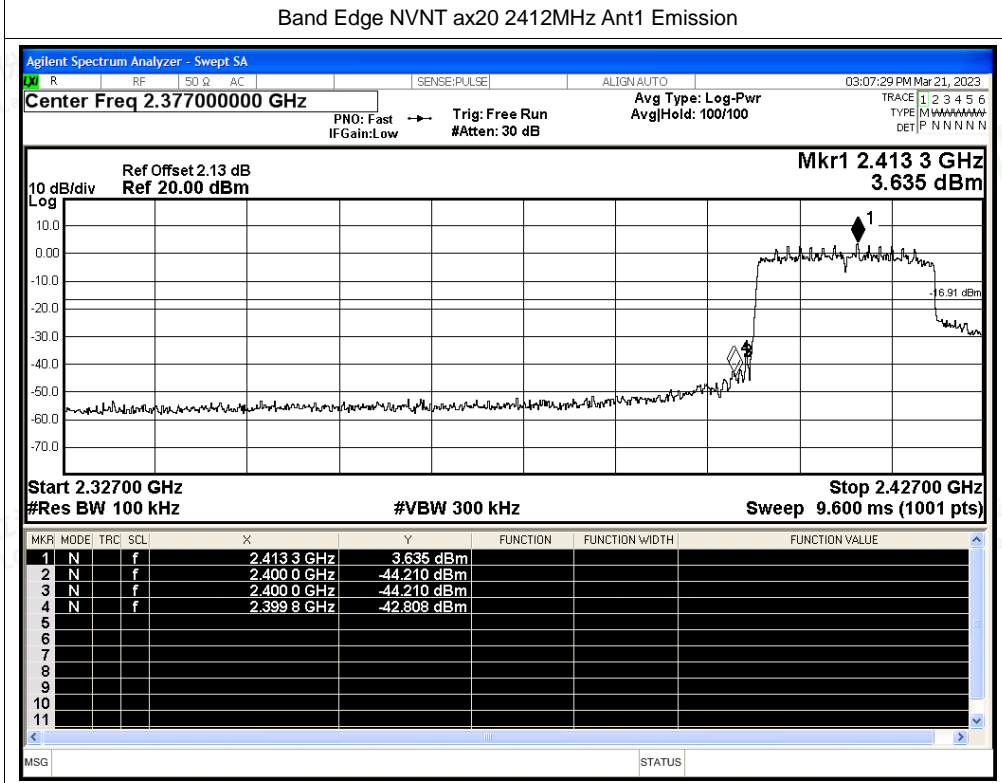
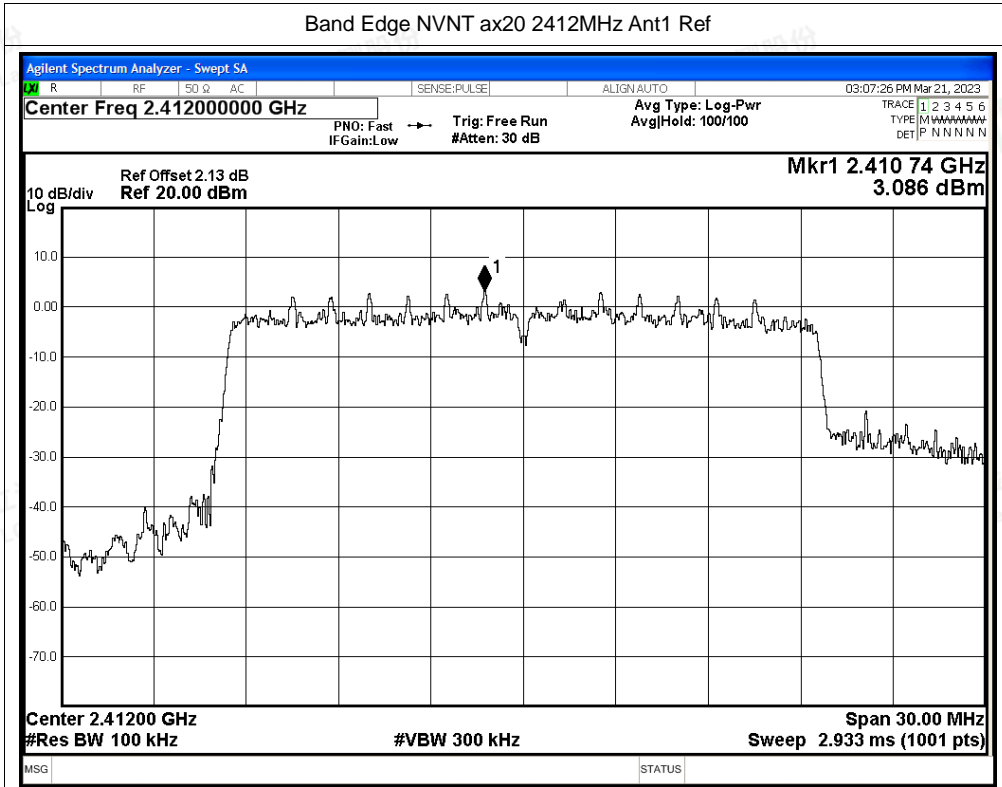


Band Edge NVNT n40 2452MHz Ant1 Ref



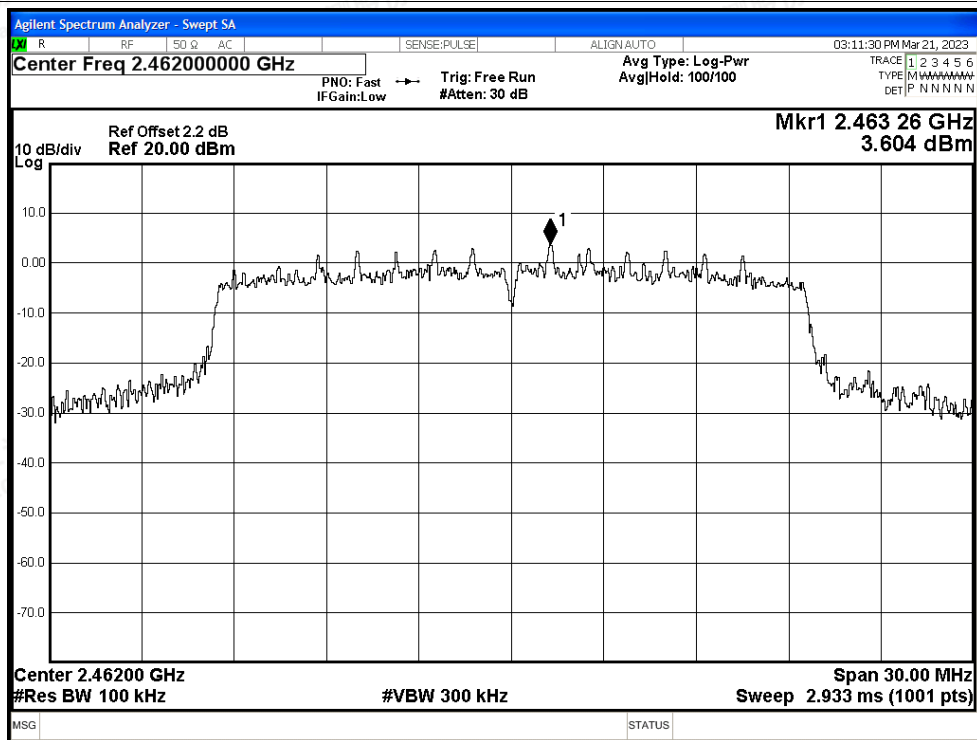
Band Edge NVNT n40 2452MHz Ant1 Emission



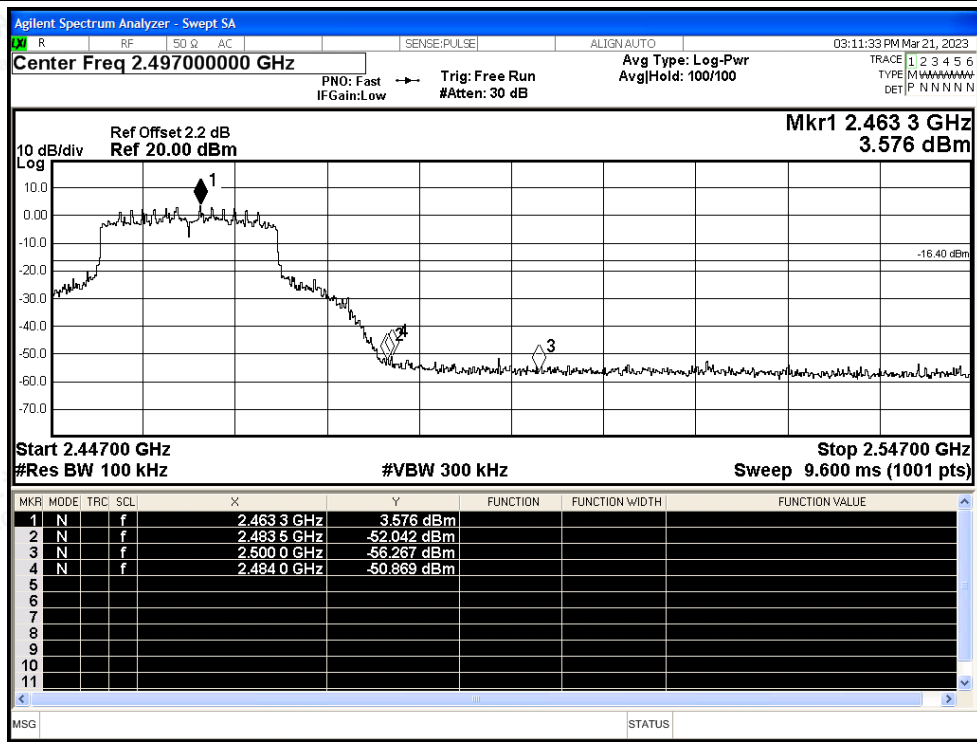




Band Edge NVNT ax20 2462MHz Ant1 Ref

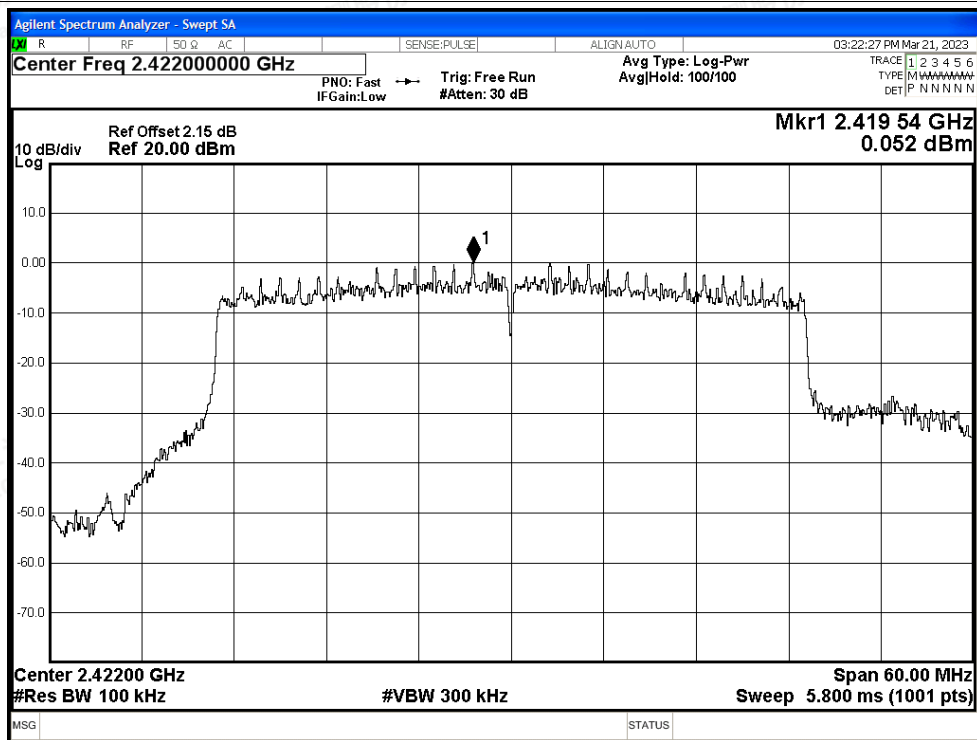


Band Edge NVNT ax20 2462MHz Ant1 Emission

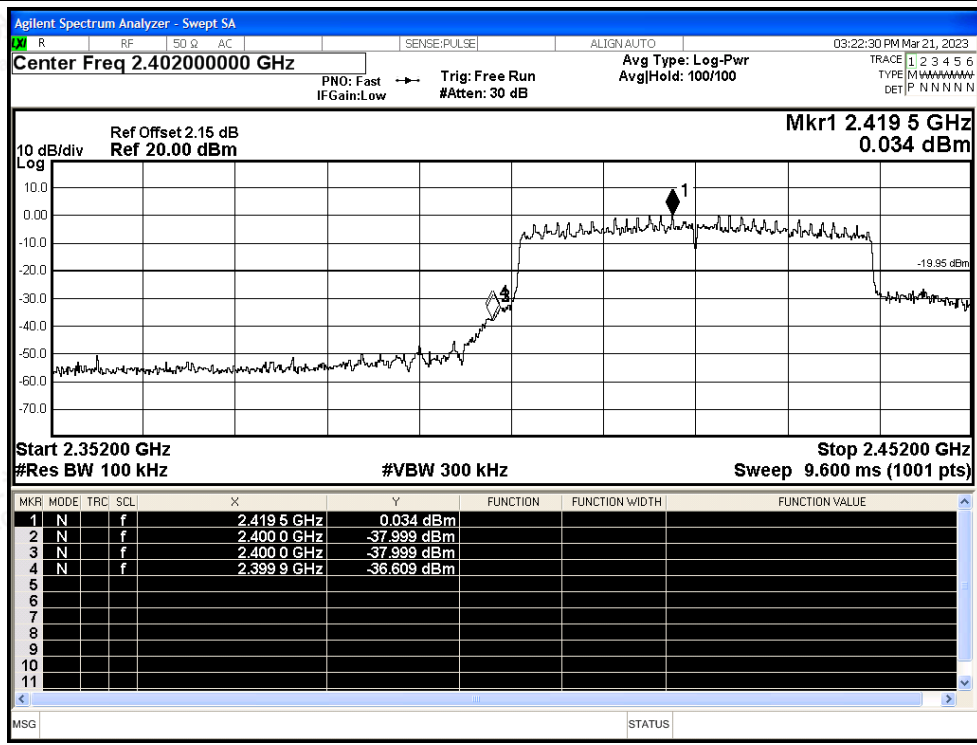




Band Edge NVNT ax40 2422MHz Ant1 Ref

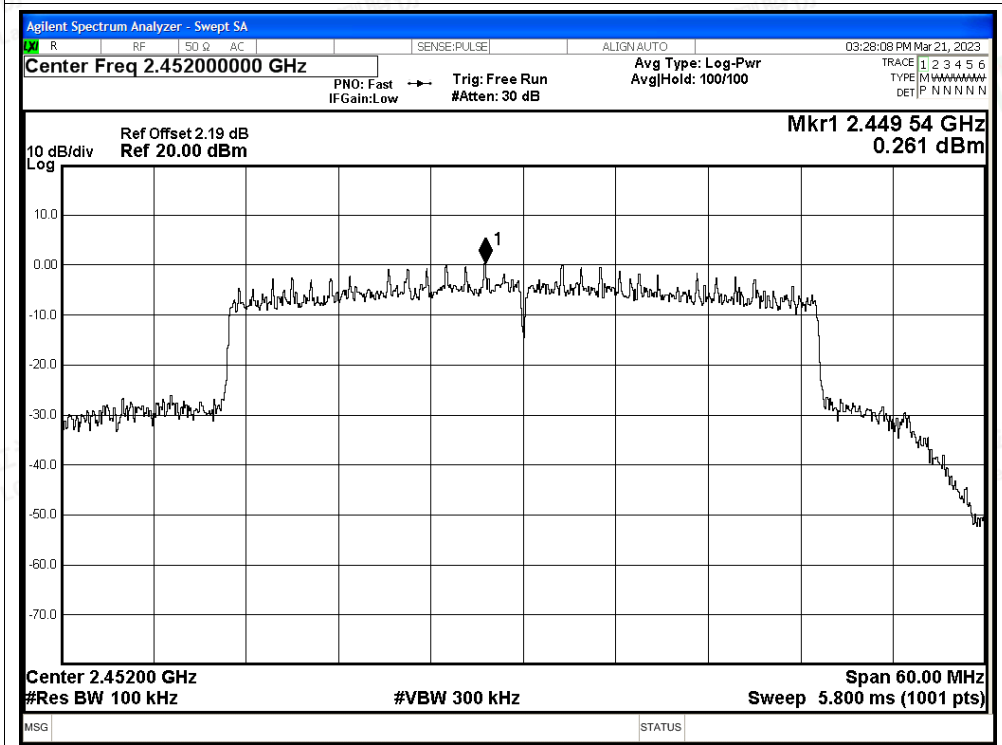


Band Edge NVNT ax40 2422MHz Ant1 Emission

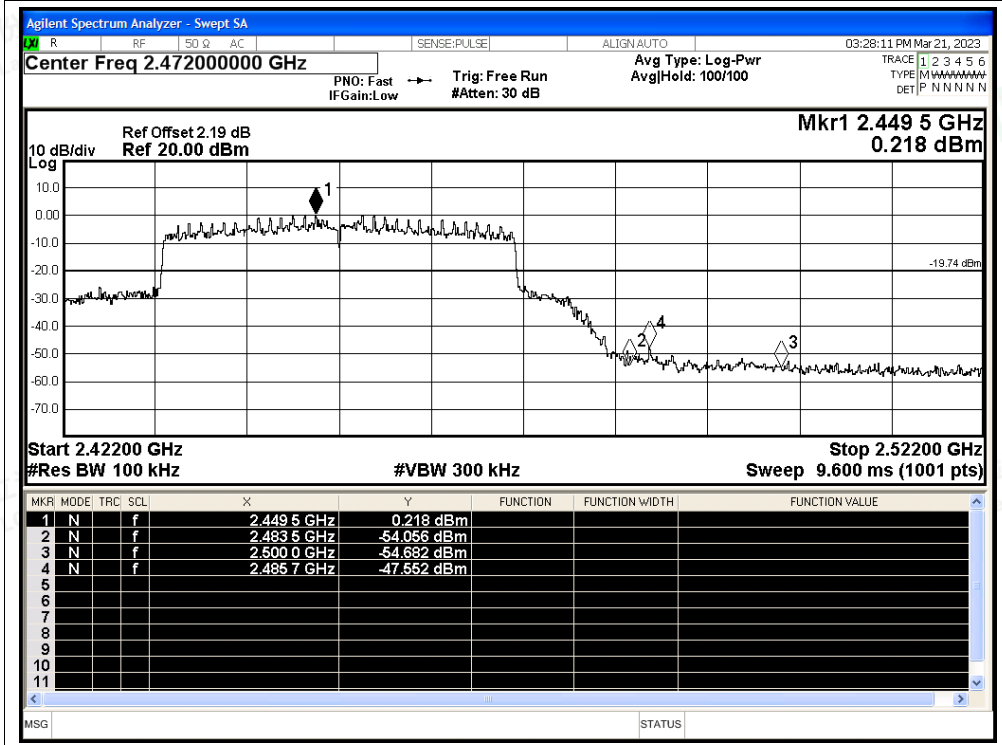




Band Edge NVNT ax40 2452MHz Ant1 Ref



Band Edge NVNT ax40 2452MHz Ant1 Emission





A.5 Conducted RF Spurious Emission

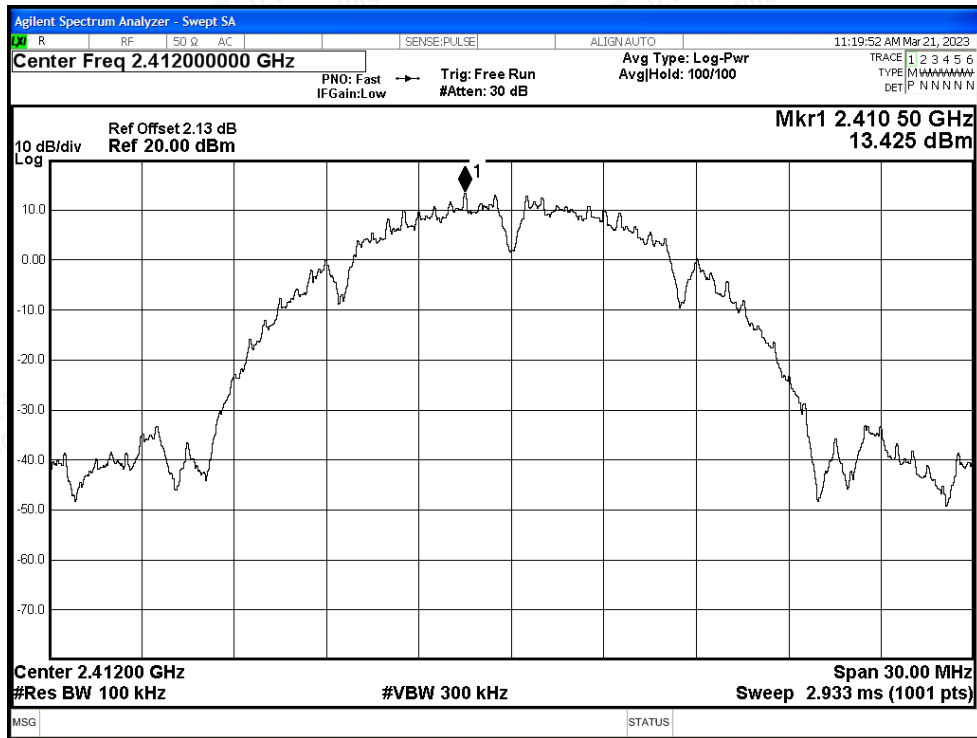
| Condition | Mode | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|------|-----------------|---------|-----------------|-------------|---------|
| NVNT | b | 2412 | Ant0 | -43.82 | -20 | Pass |
| NVNT | b | 2437 | Ant0 | -43.16 | -20 | Pass |
| NVNT | b | 2462 | Ant0 | -44.9 | -20 | Pass |
| NVNT | g | 2412 | Ant0 | -49.19 | -20 | Pass |
| NVNT | g | 2437 | Ant0 | -50.43 | -20 | Pass |
| NVNT | g | 2462 | Ant0 | -48.73 | -20 | Pass |
| NVNT | n20 | 2412 | Ant0 | -50.02 | -20 | Pass |
| NVNT | n20 | 2437 | Ant0 | -49.27 | -20 | Pass |
| NVNT | n20 | 2462 | Ant0 | -47.81 | -20 | Pass |
| NVNT | n40 | 2422 | Ant0 | -46.82 | -20 | Pass |
| NVNT | n40 | 2452 | Ant0 | -47.25 | -20 | Pass |
| NVNT | ax20 | 2412 | Ant0 | -48.18 | -20 | Pass |
| NVNT | ax20 | 2437 | Ant0 | -48.26 | -20 | Pass |
| NVNT | ax20 | 2462 | Ant0 | -48.76 | -20 | Pass |
| NVNT | ax40 | 2422 | Ant0 | -44.36 | -20 | Pass |
| NVNT | ax40 | 2437 | Ant0 | -44.64 | -20 | Pass |
| NVNT | ax40 | 2452 | Ant0 | -42.55 | -20 | Pass |



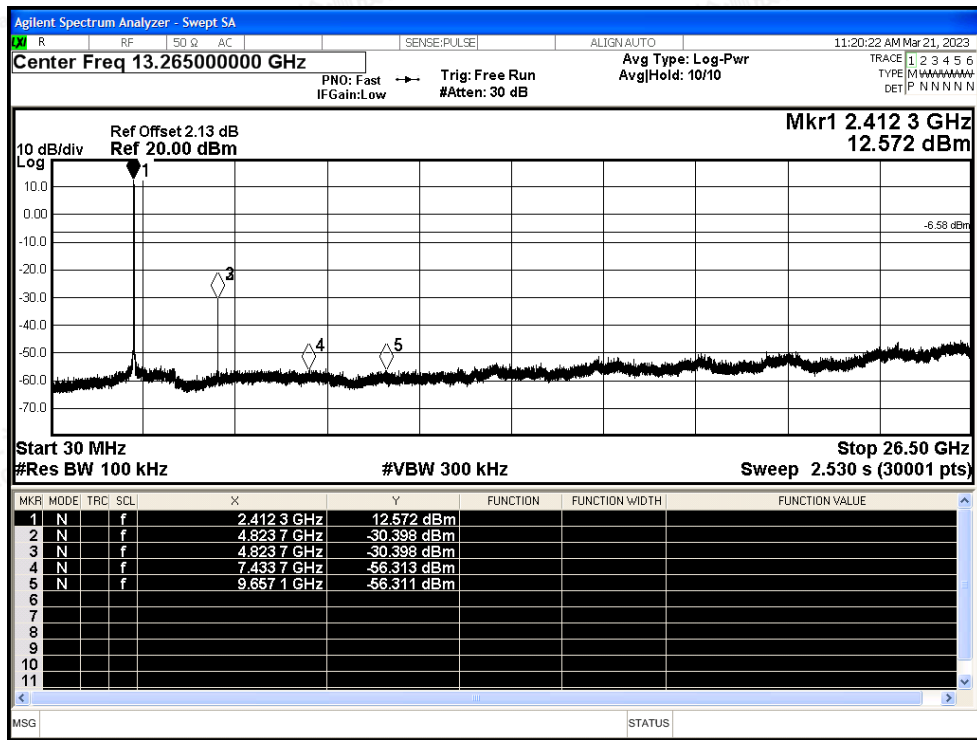


Test Graphs

Tx. Spurious NVNT b 2412MHz Ant0 Ref

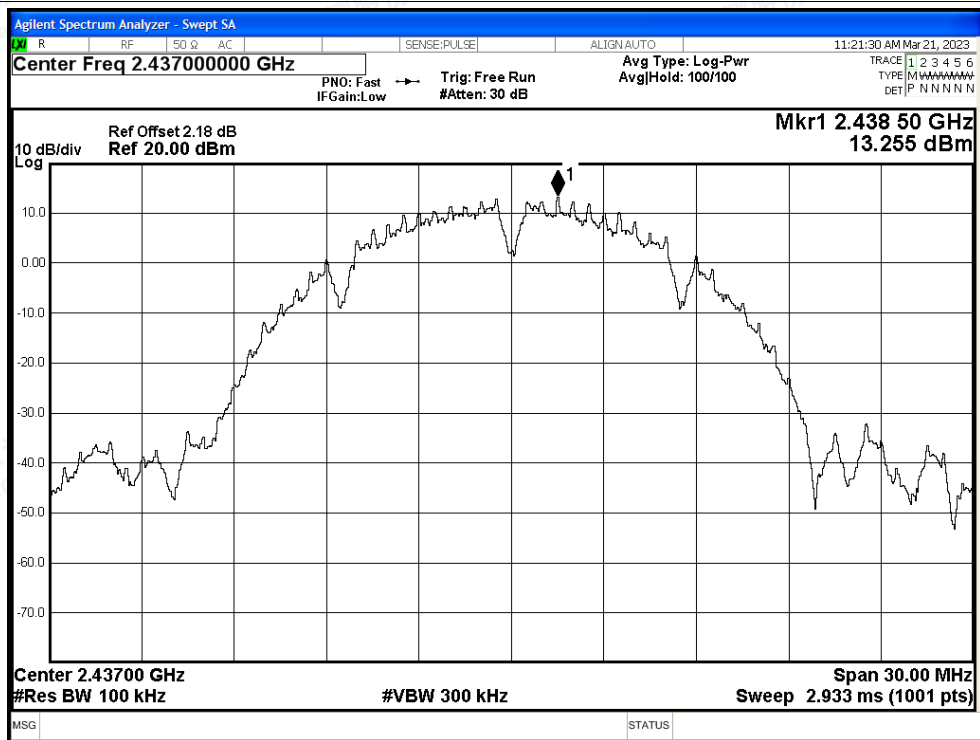


Tx. Spurious NVNT b 2412MHz Ant0 Emission

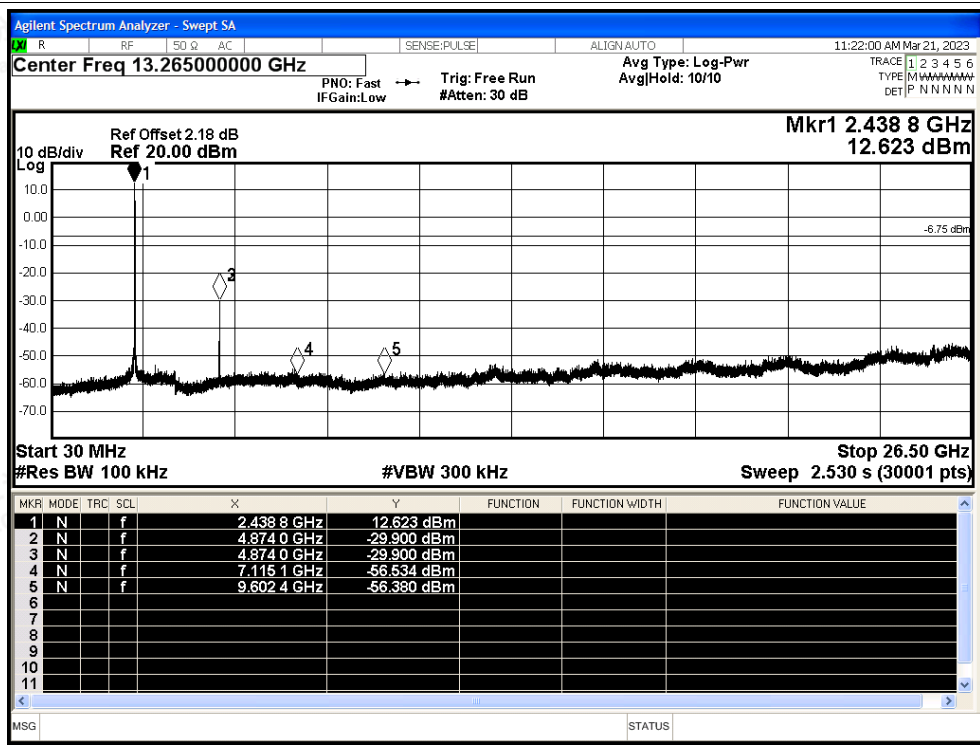




Tx. Spurious NVNT b 2437MHz Ant0 Ref

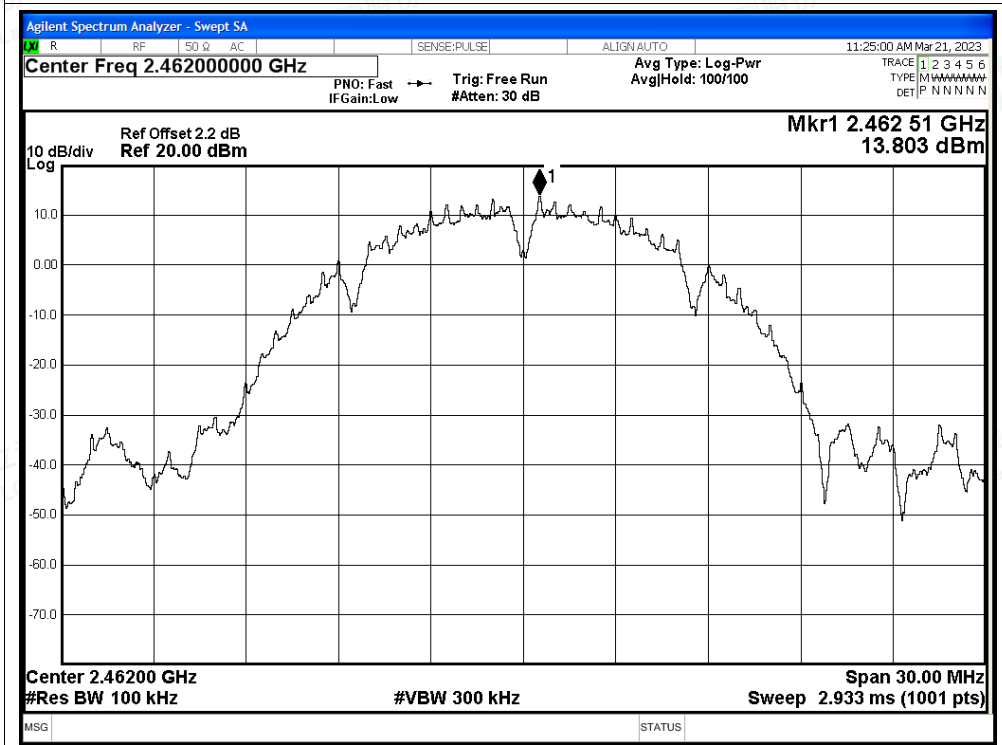


Tx. Spurious NVNT b 2437MHz Ant0 Emission

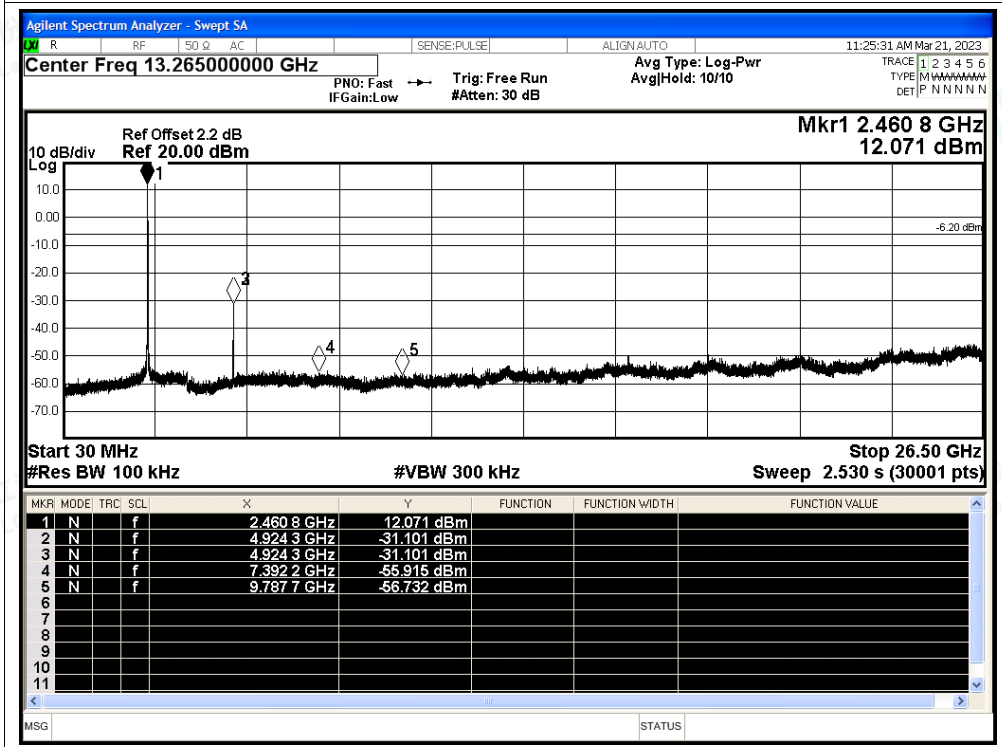




Tx. Spurious NVNT b 2462MHz Ant0 Ref

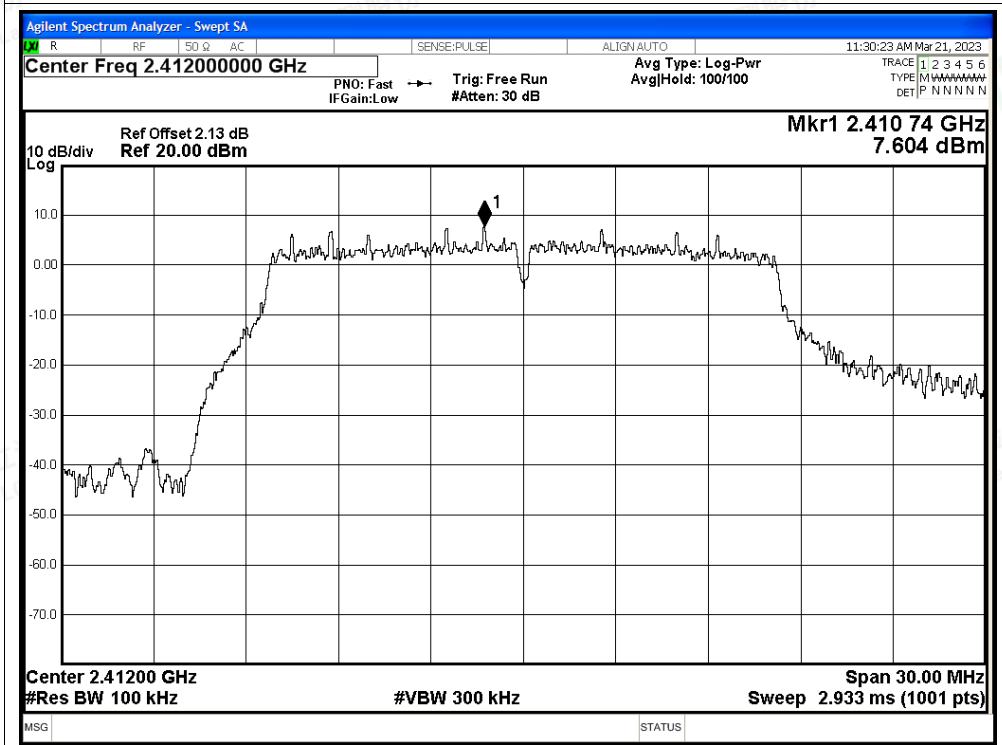


Tx. Spurious NVNT b 2462MHz Ant0 Emission

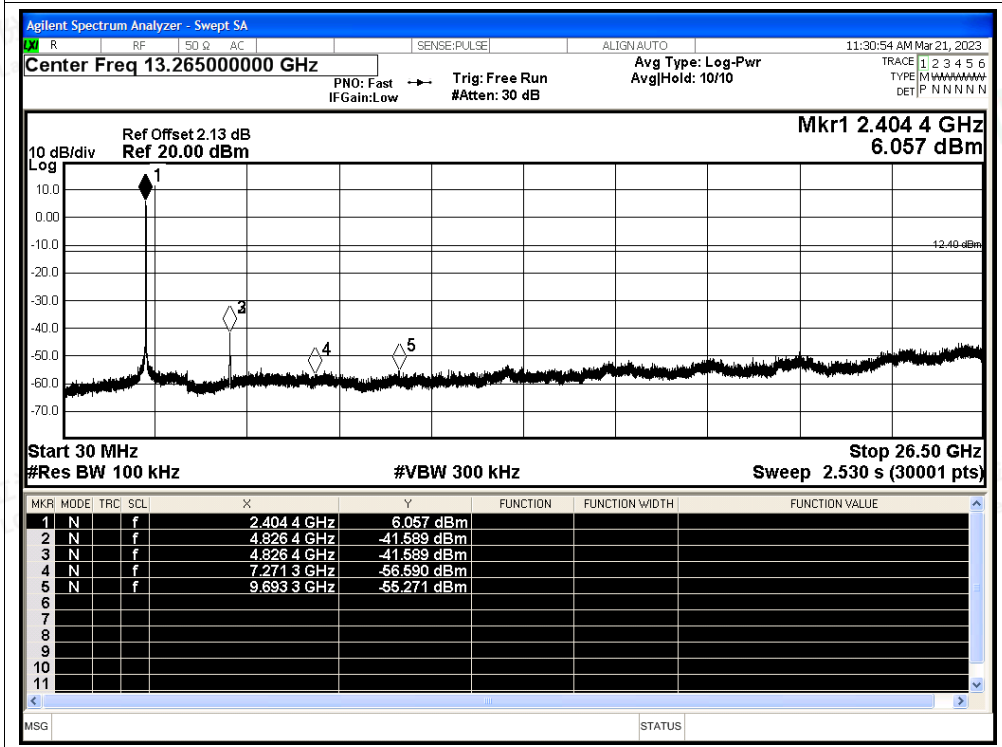




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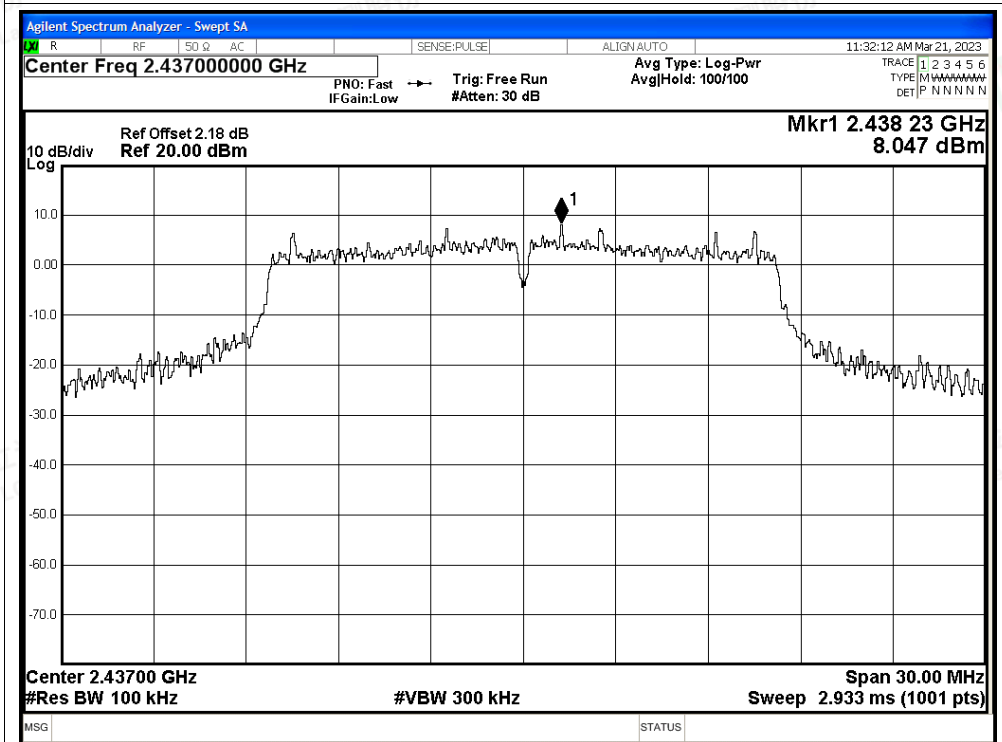


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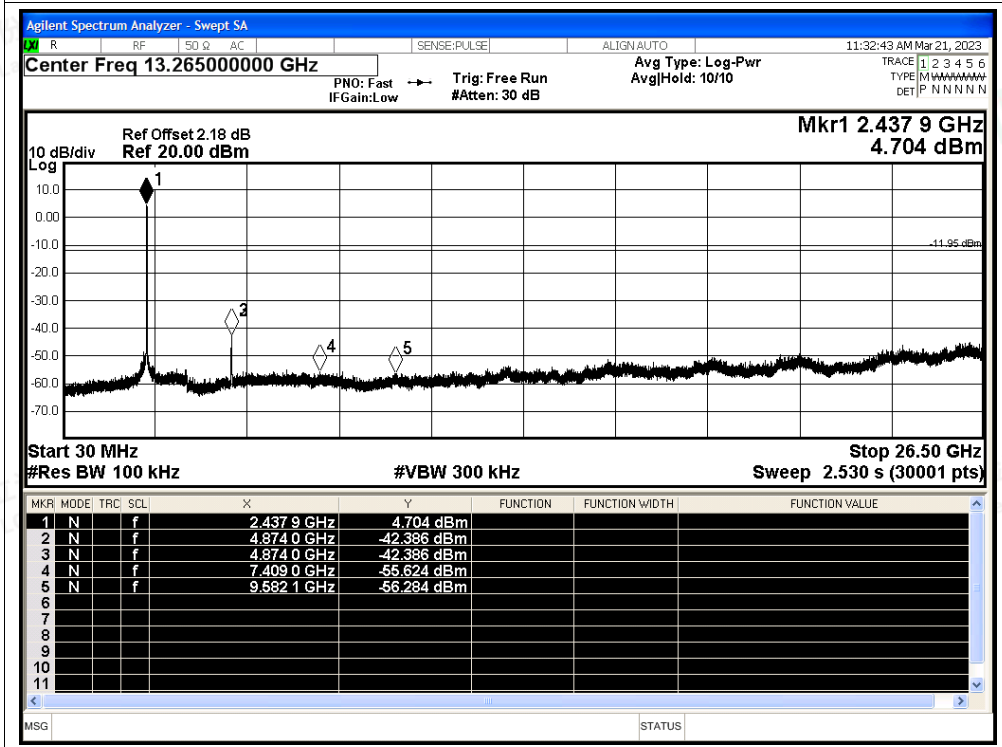




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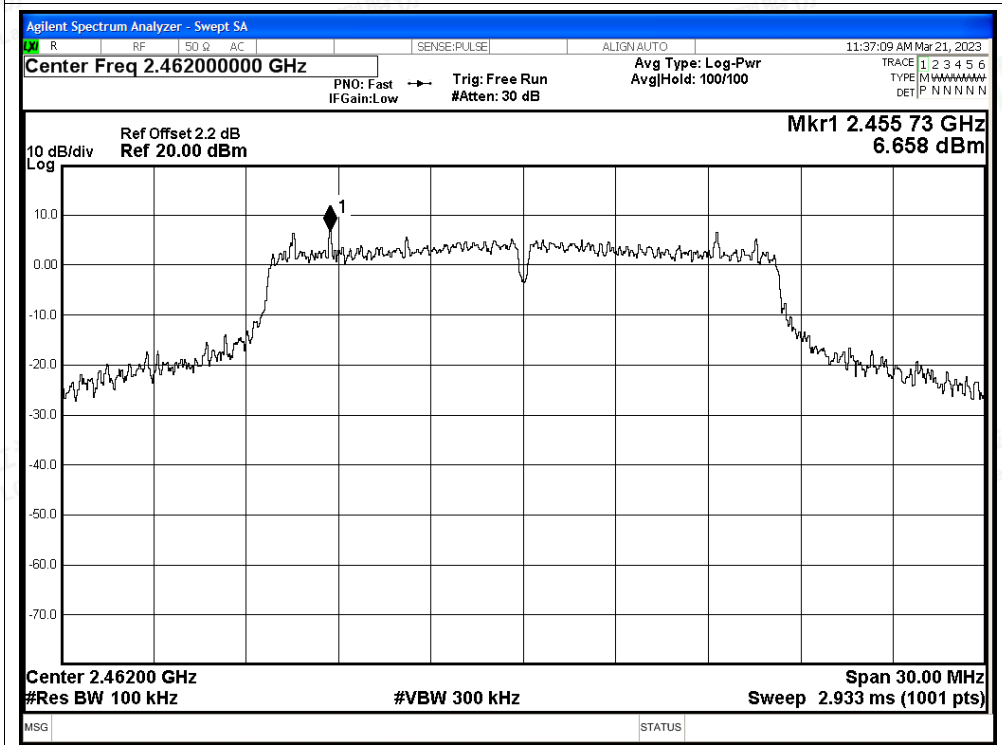


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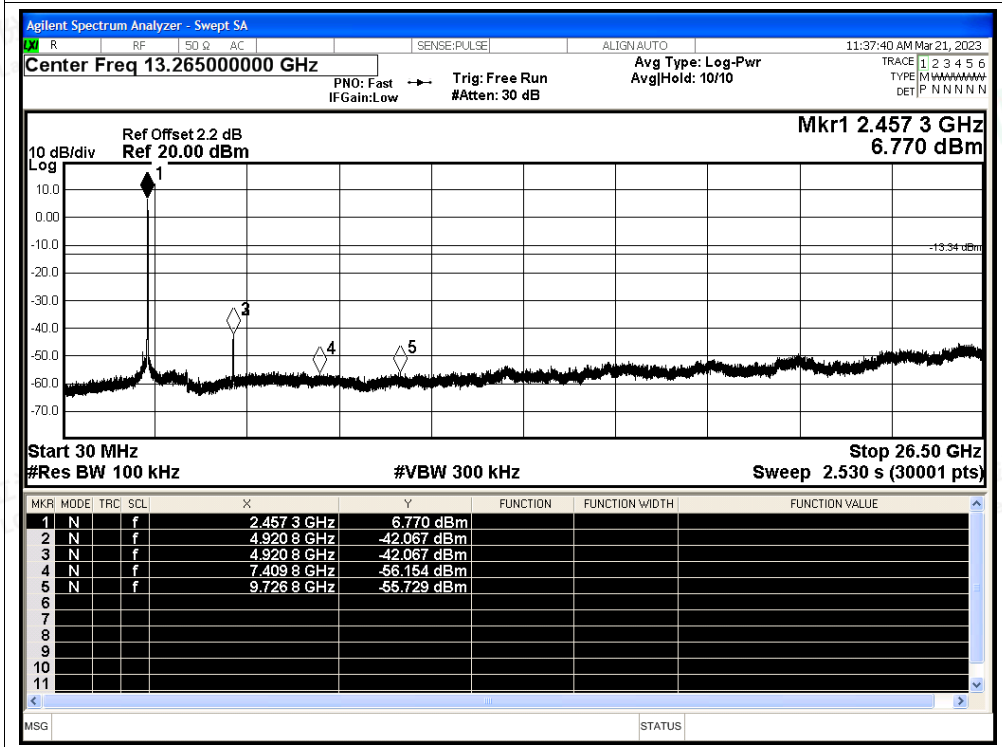




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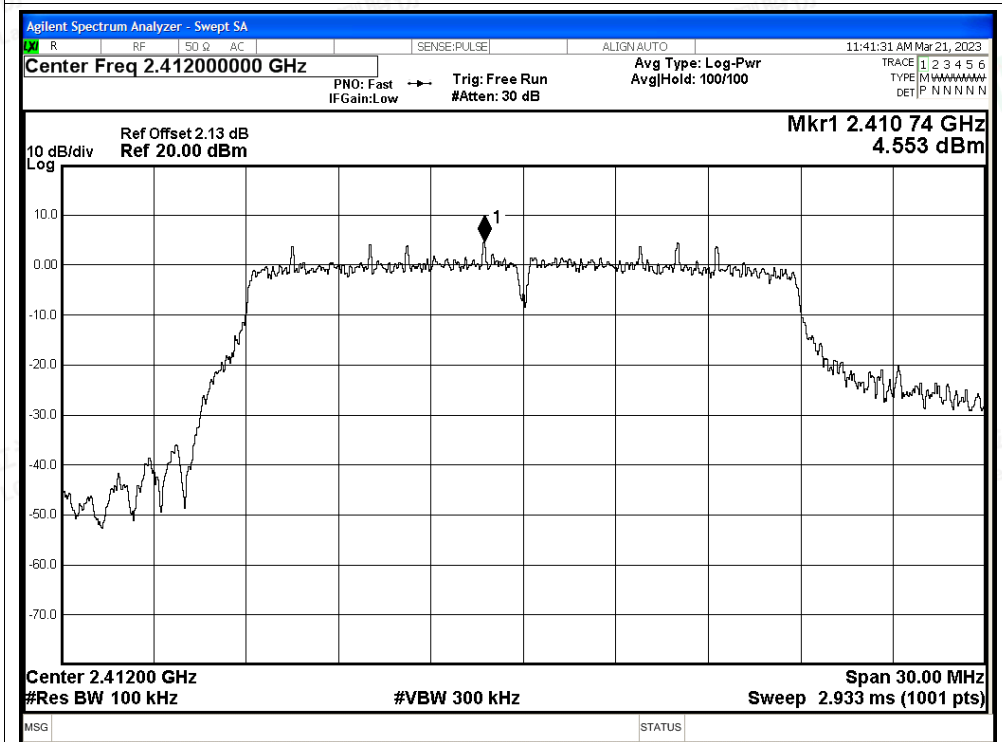


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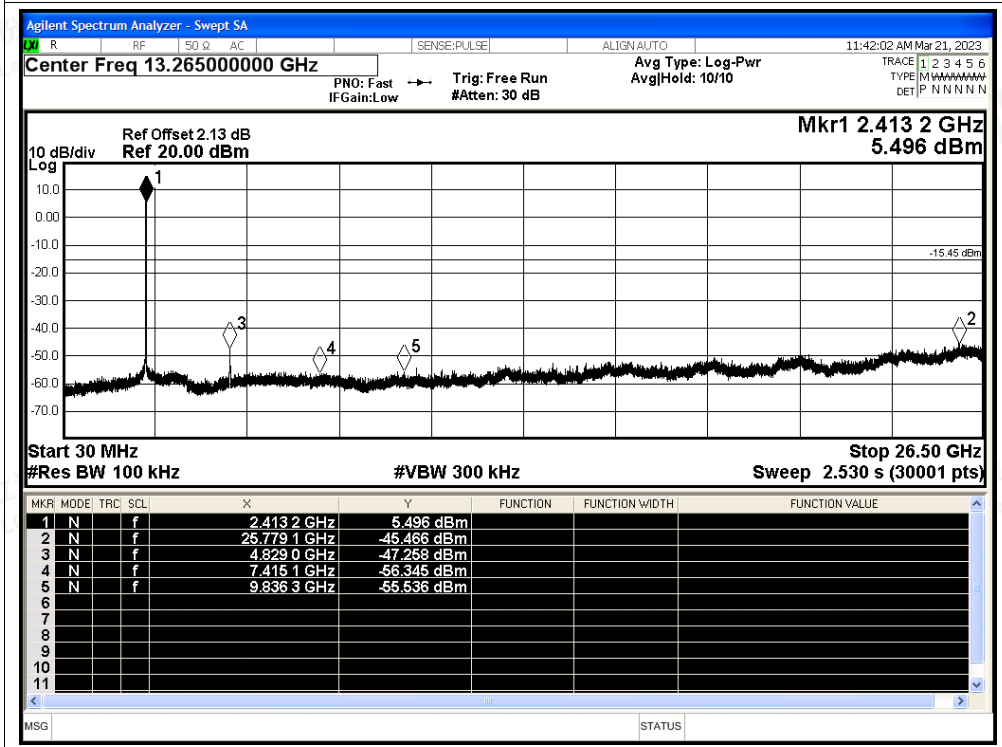




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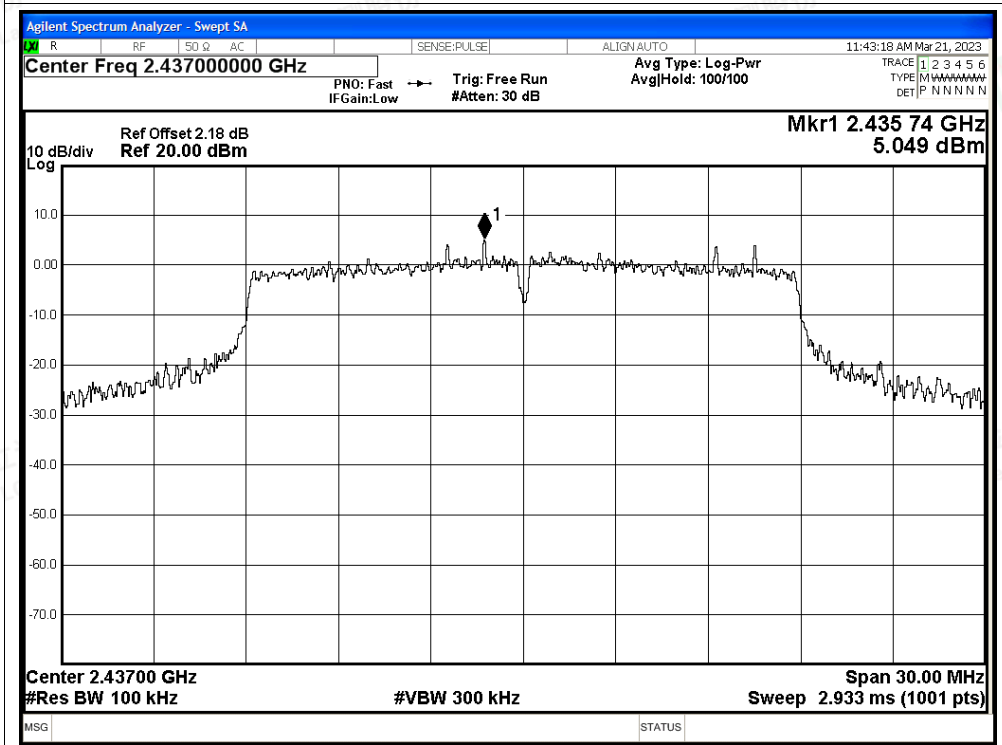


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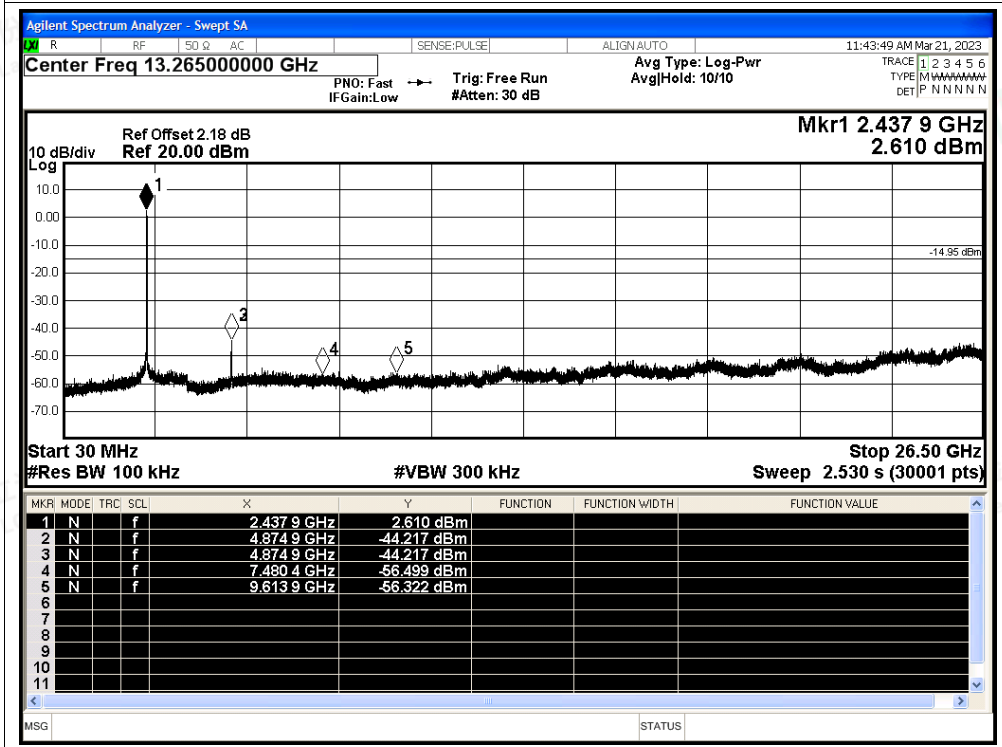




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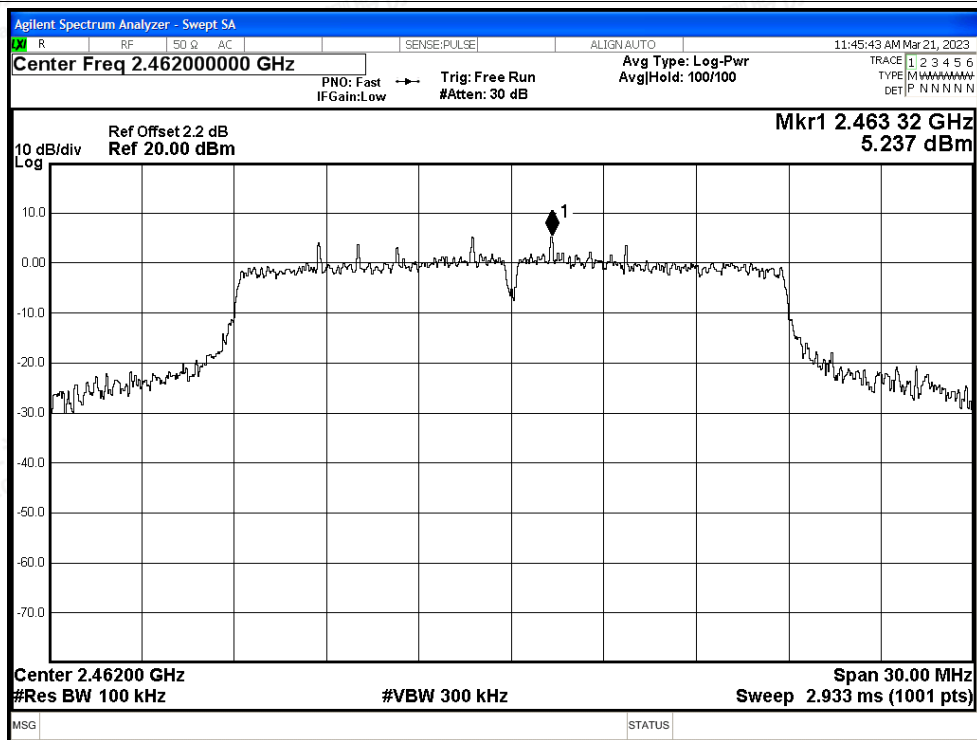


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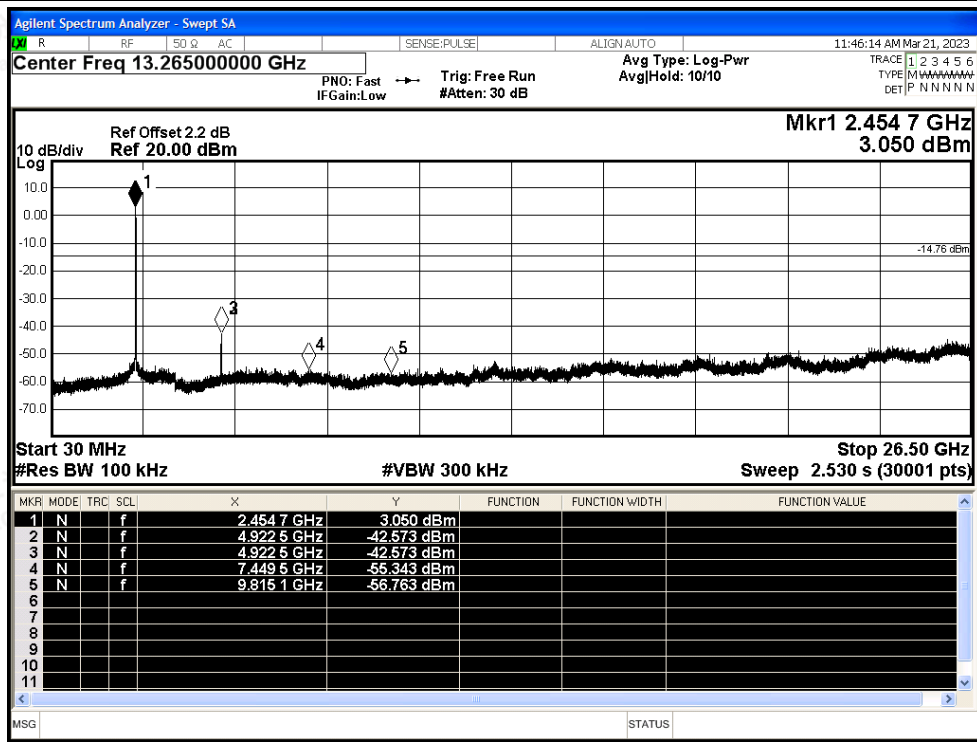




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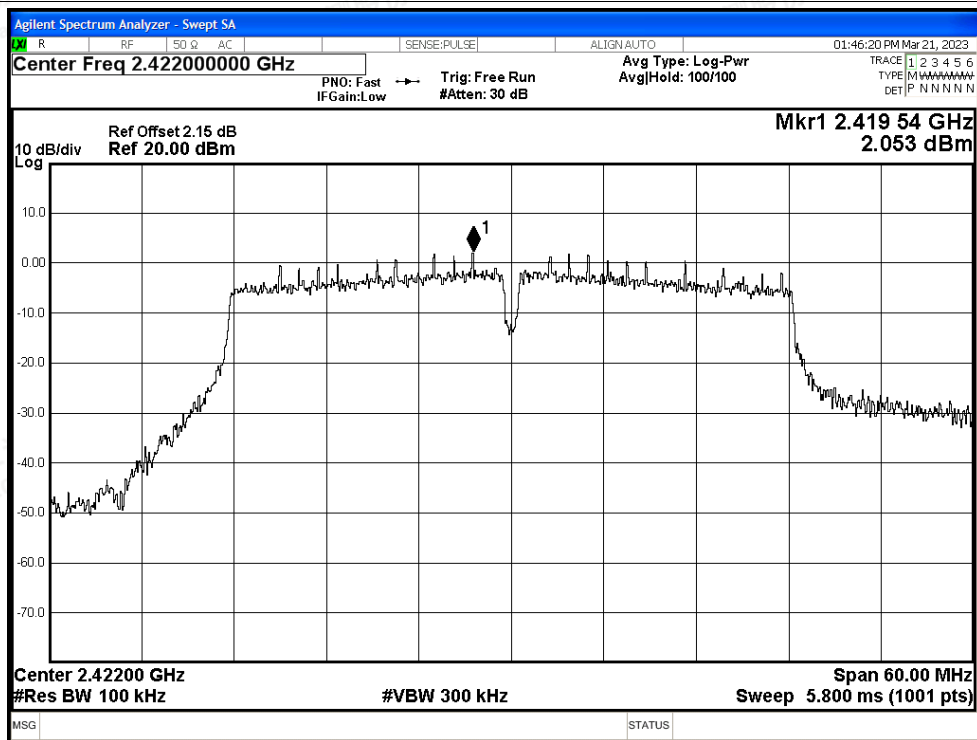


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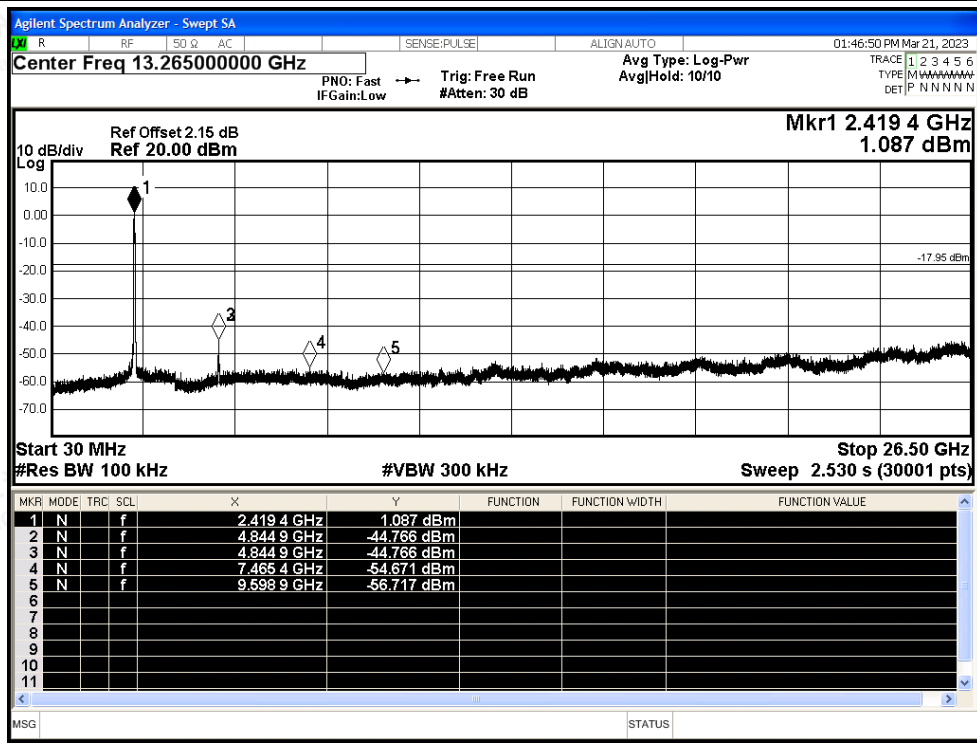




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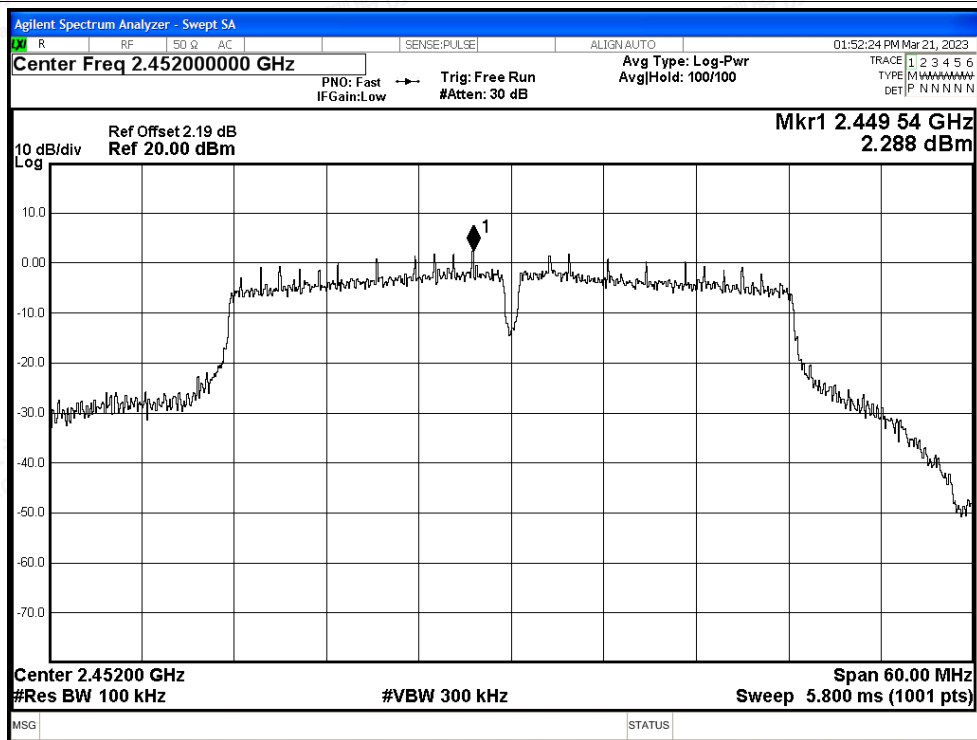


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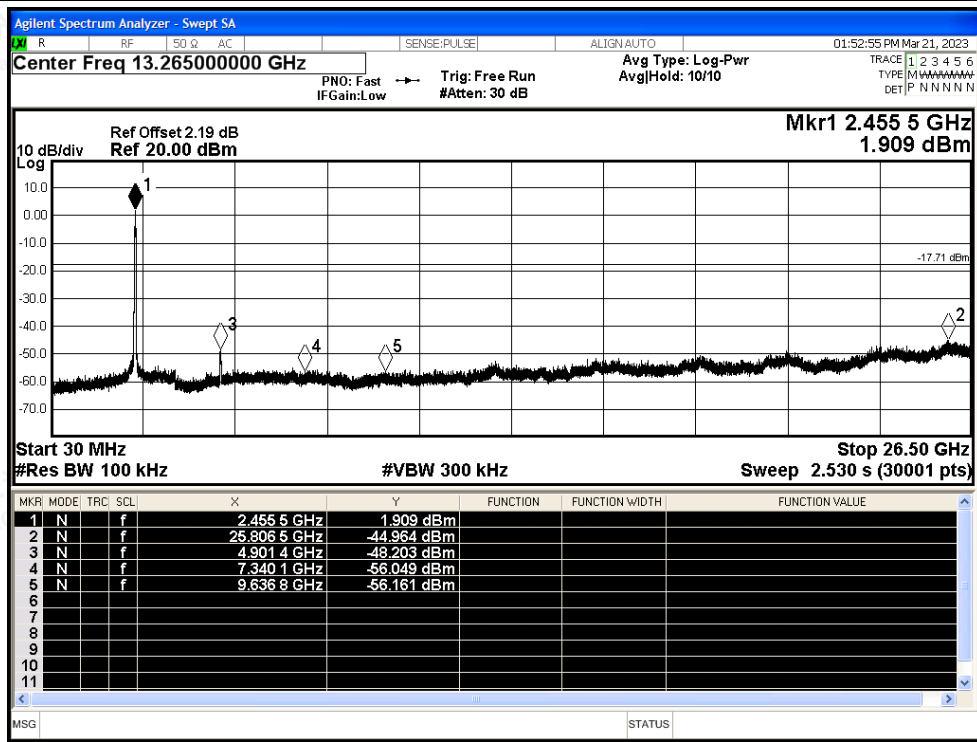




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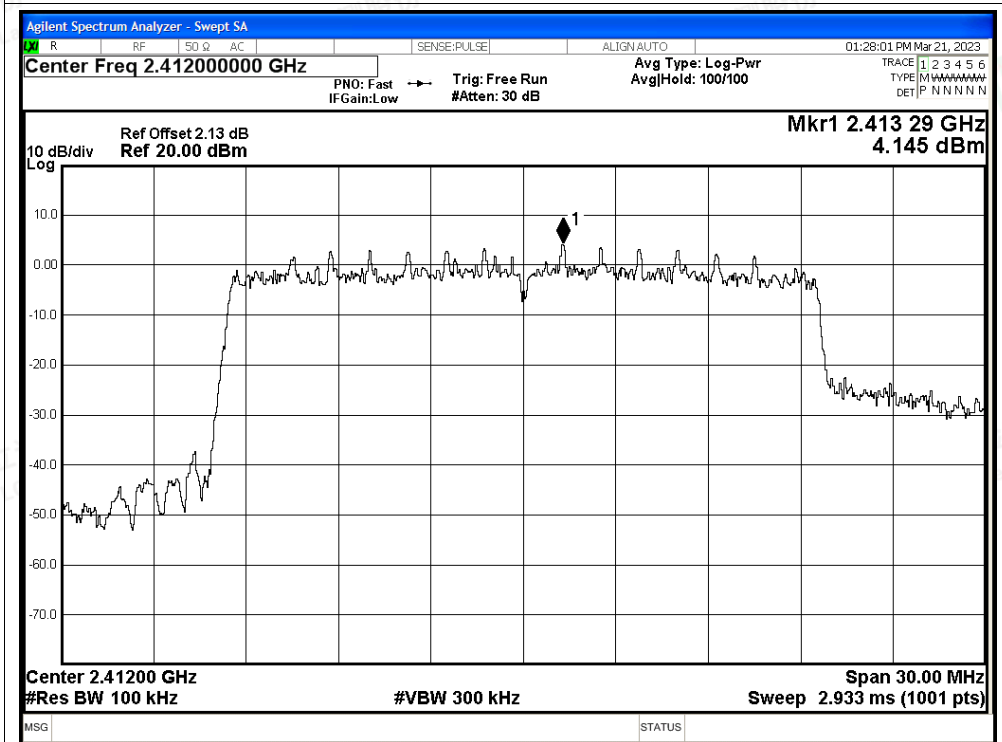


Tx. Spurious NVNT n40 2452MHz Ant0 Emission

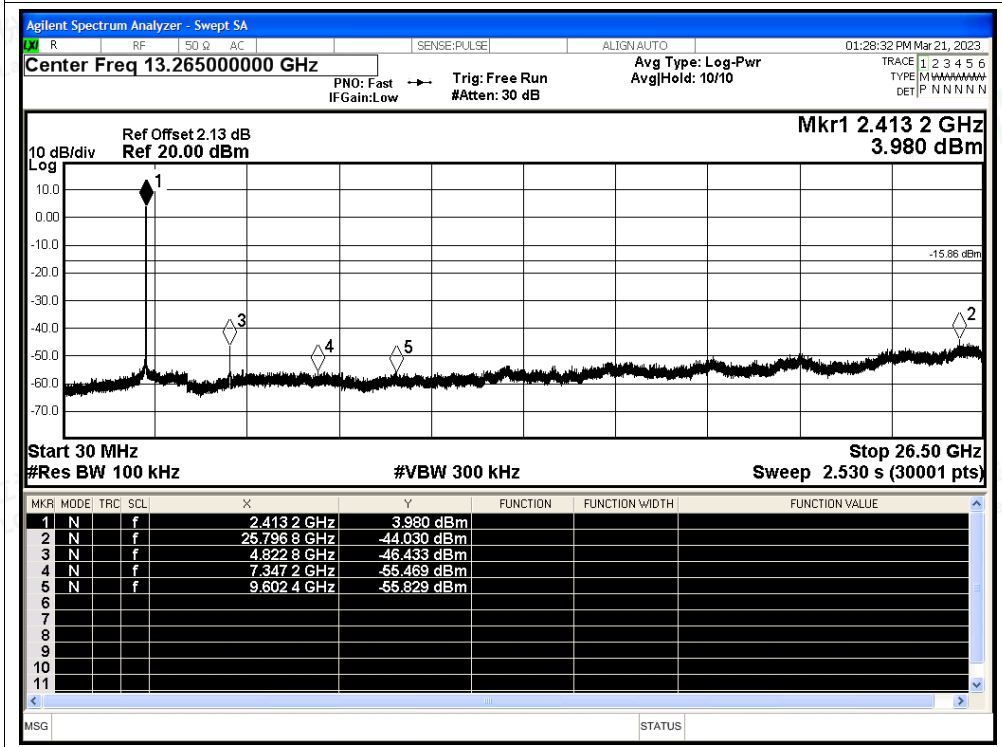




Tx. Spurious NVNT ax20 2412MHz Ant0 Ref

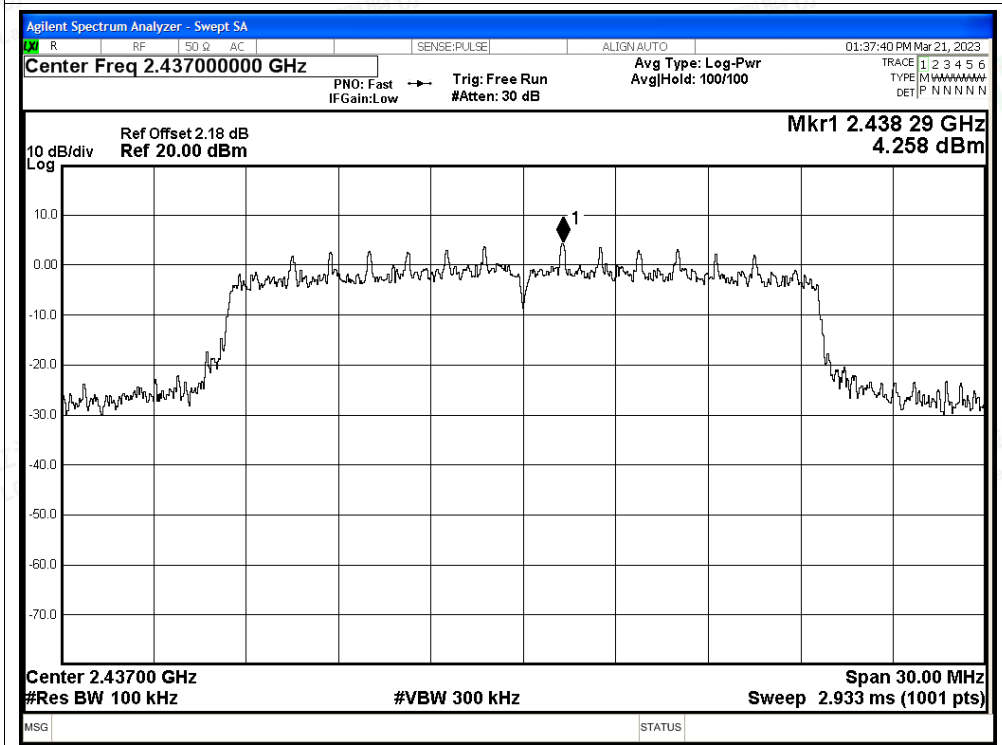


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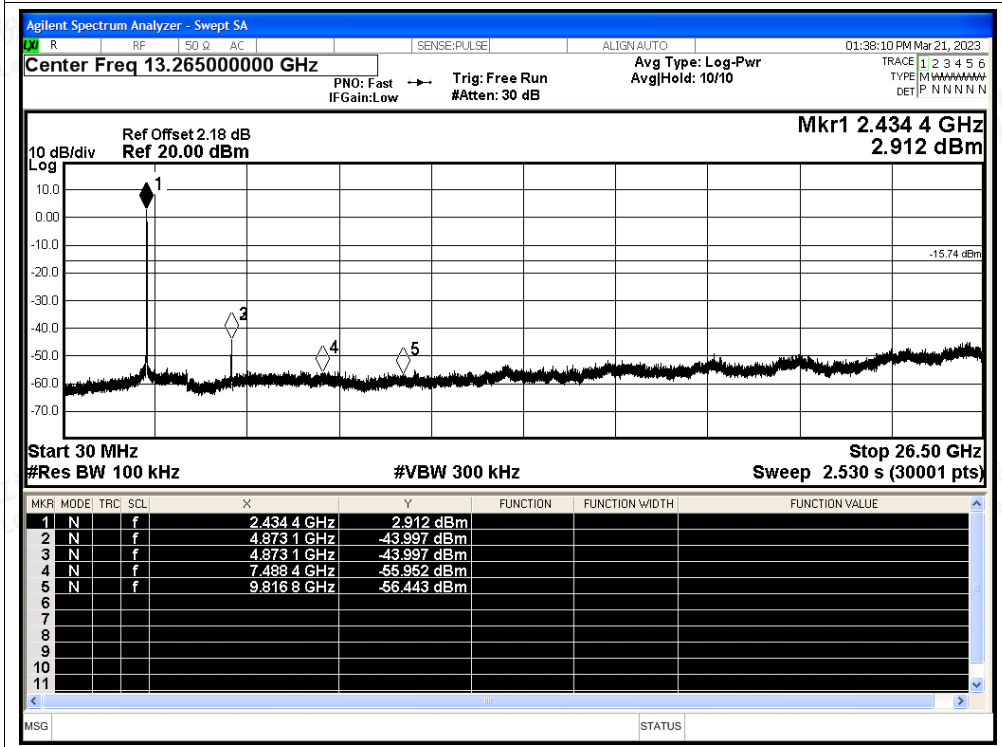




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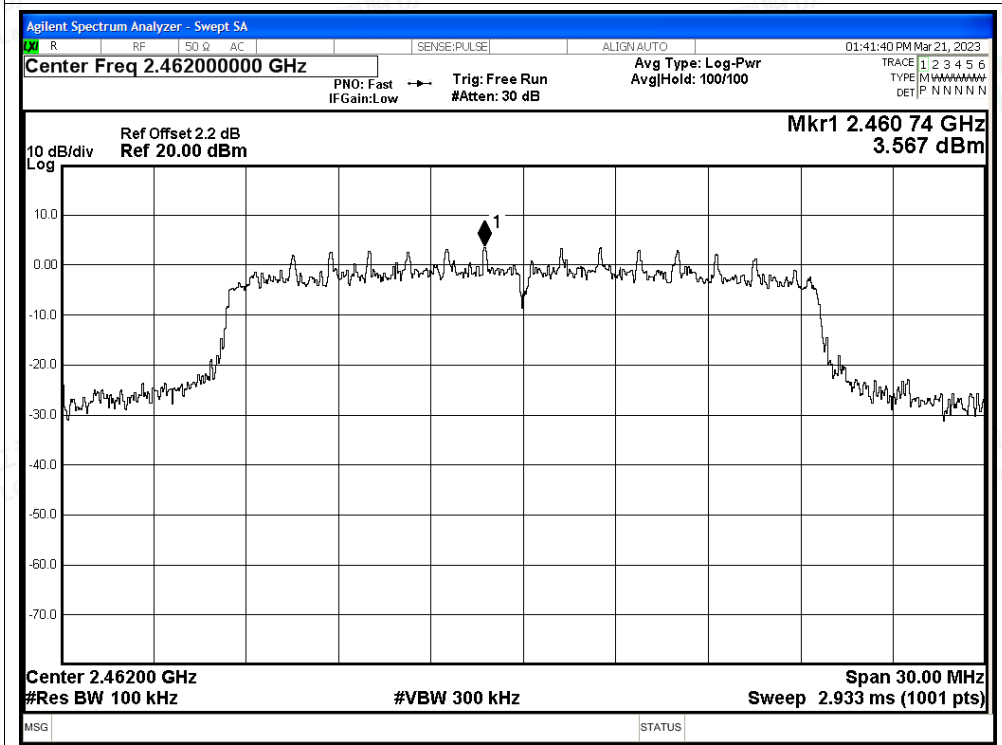


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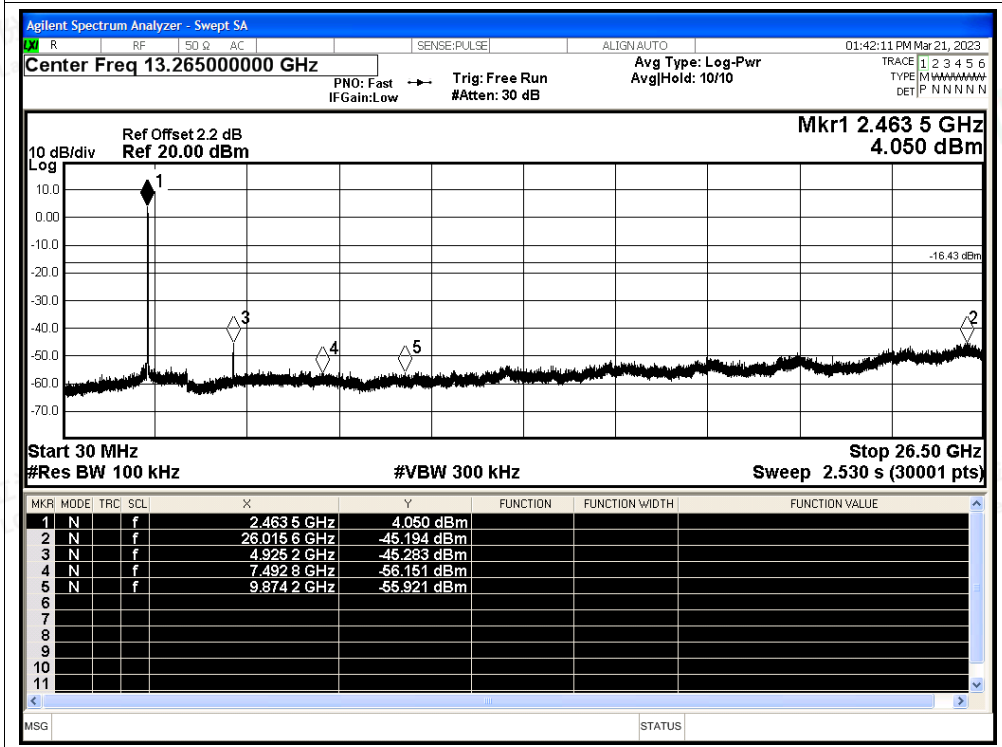




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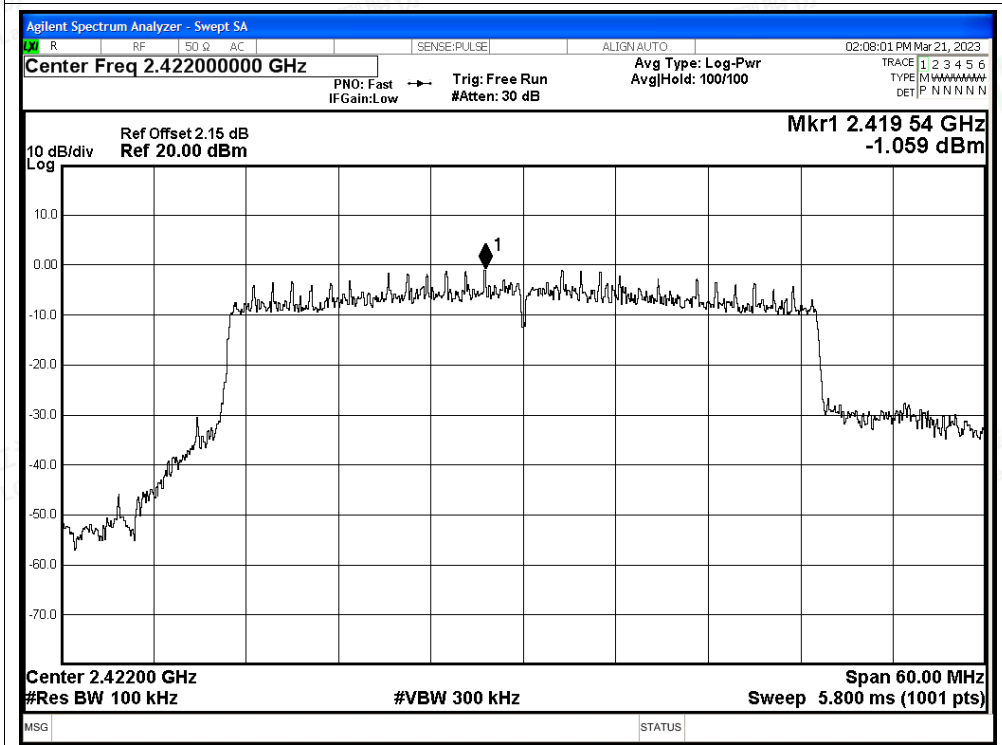


Tx. Spurious NVNT ax20 2462MHz Ant0 Emission





Tx. Spurious NVNT ax40 2422MHz Ant0 Ref



Tx. Spurious NVNT ax40 2422MHz Ant0 Emission

