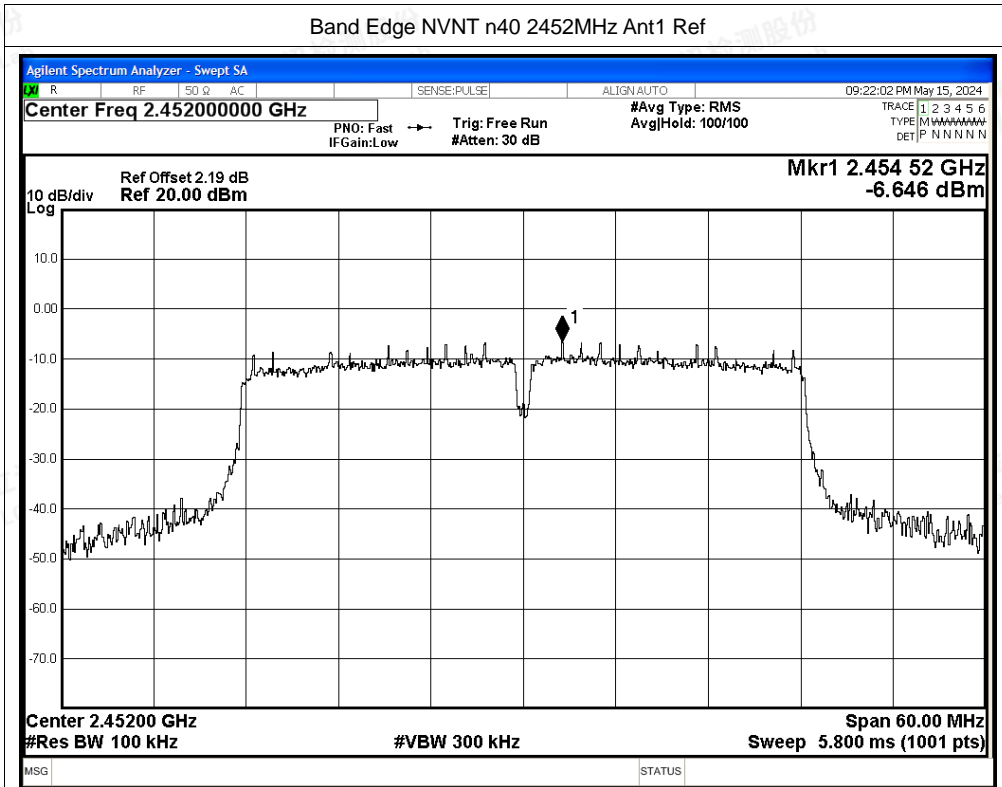
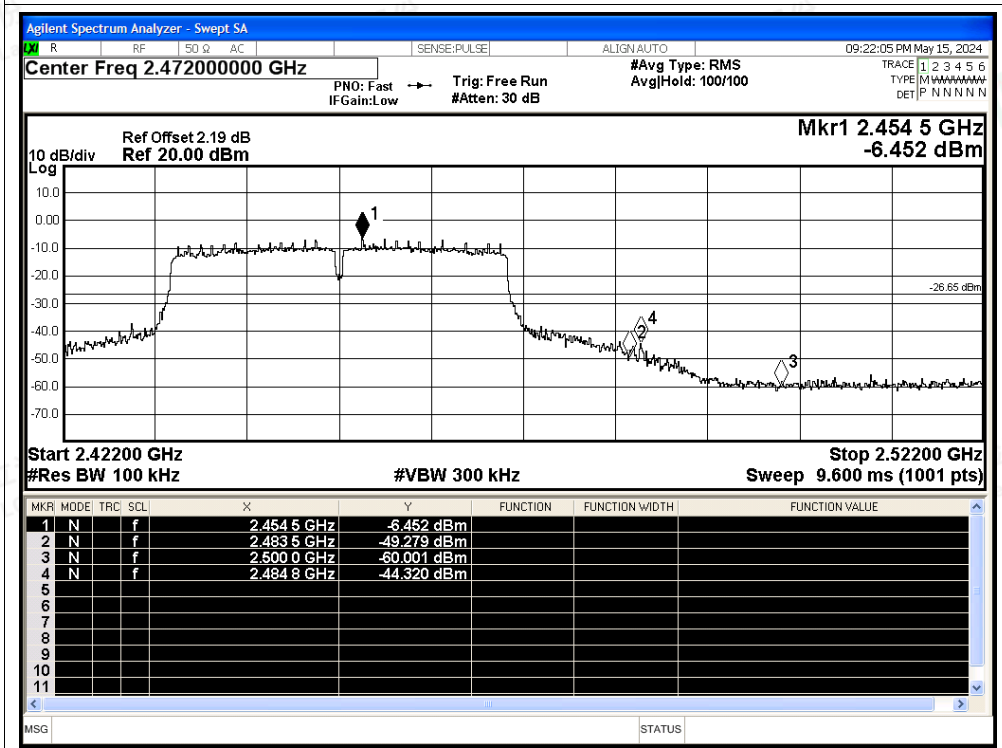




Band Edge NVNT n40 2452MHz Ant1 Ref



Band Edge NVNT n40 2452MHz Ant1 Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

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Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity



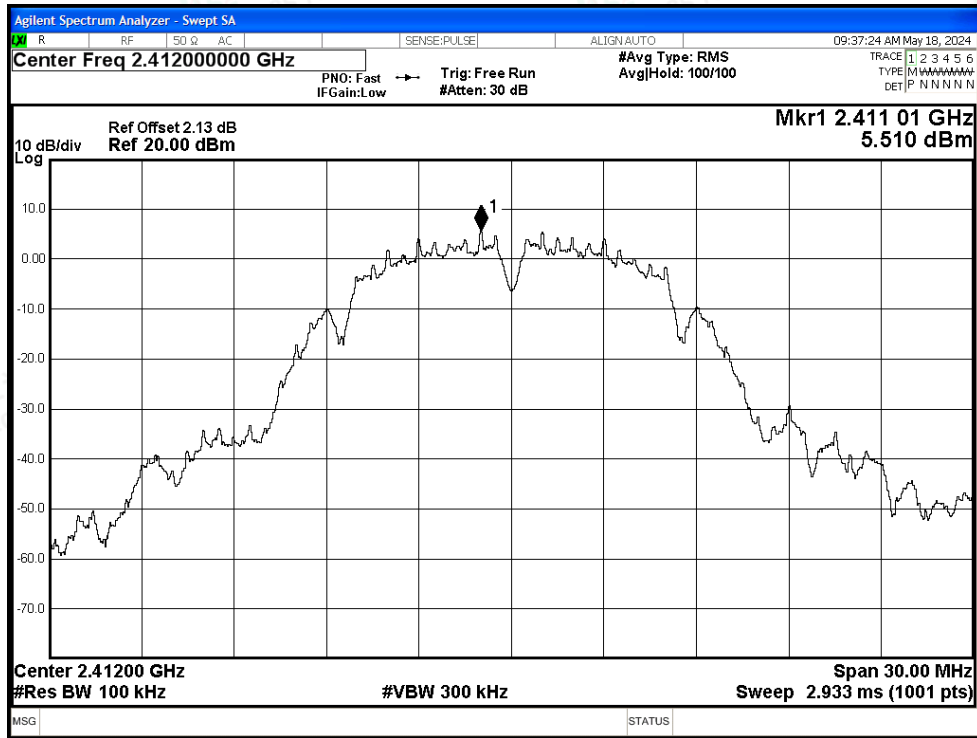
| Condition | Mode | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|------|-----------------|---------|-----------------|-------------|---------|
| NVNT | b | 2412 | Ant2 | -47.05 | -20 | Pass |
| NVNT | b | 2462 | Ant2 | -60.53 | -20 | Pass |
| NVNT | g | 2412 | Ant2 | -33.59 | -20 | Pass |
| NVNT | g | 2462 | Ant2 | -41.99 | -20 | Pass |
| NVNT | n20 | 2412 | Ant2 | -31.22 | -20 | Pass |
| NVNT | n20 | 2462 | Ant2 | -38.86 | -20 | Pass |
| NVNT | n40 | 2422 | Ant2 | -36.41 | -20 | Pass |
| NVNT | n40 | 2452 | Ant2 | -35.29 | -20 | Pass |



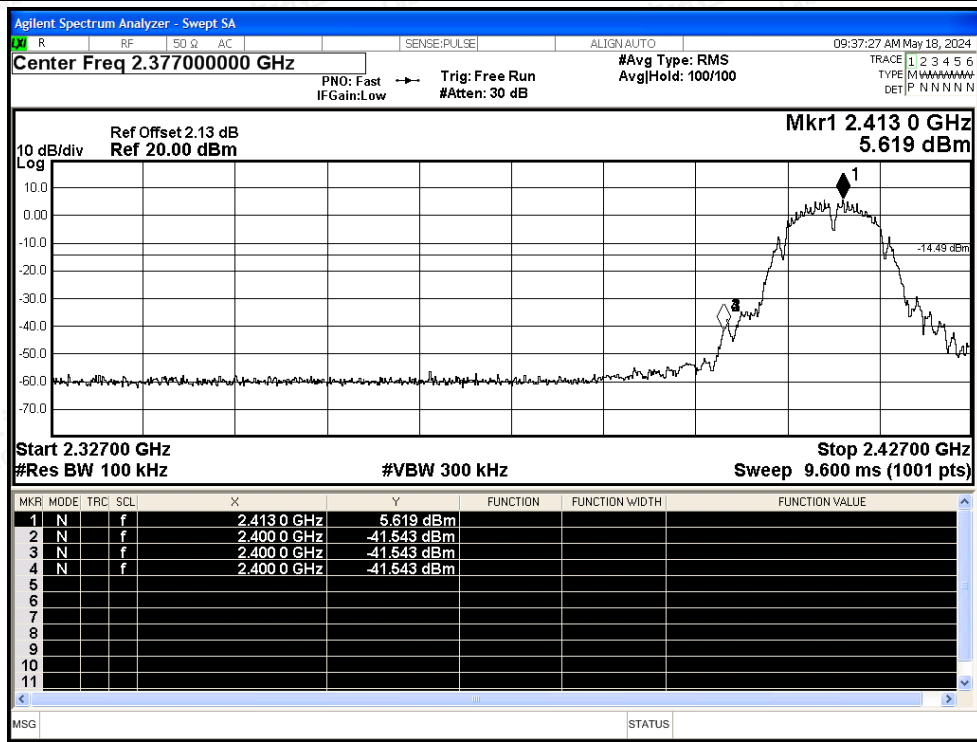


Test Graphs

Band Edge NVNT b 2412MHz Ant2 Ref

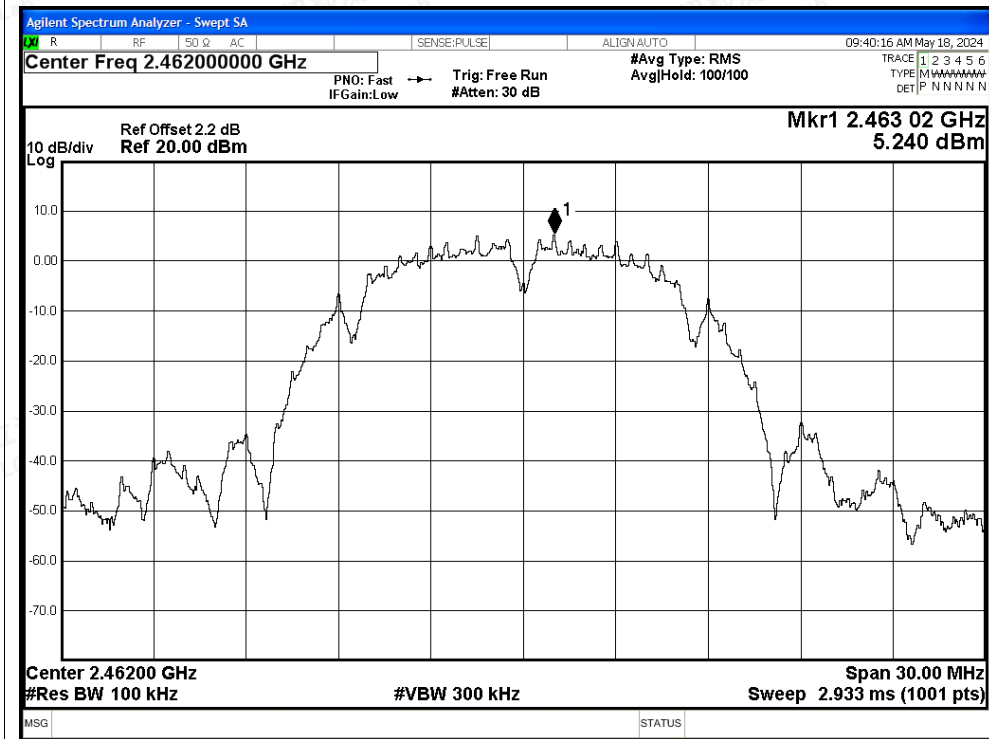


Band Edge NVNT b 2412MHz Ant2 Emission

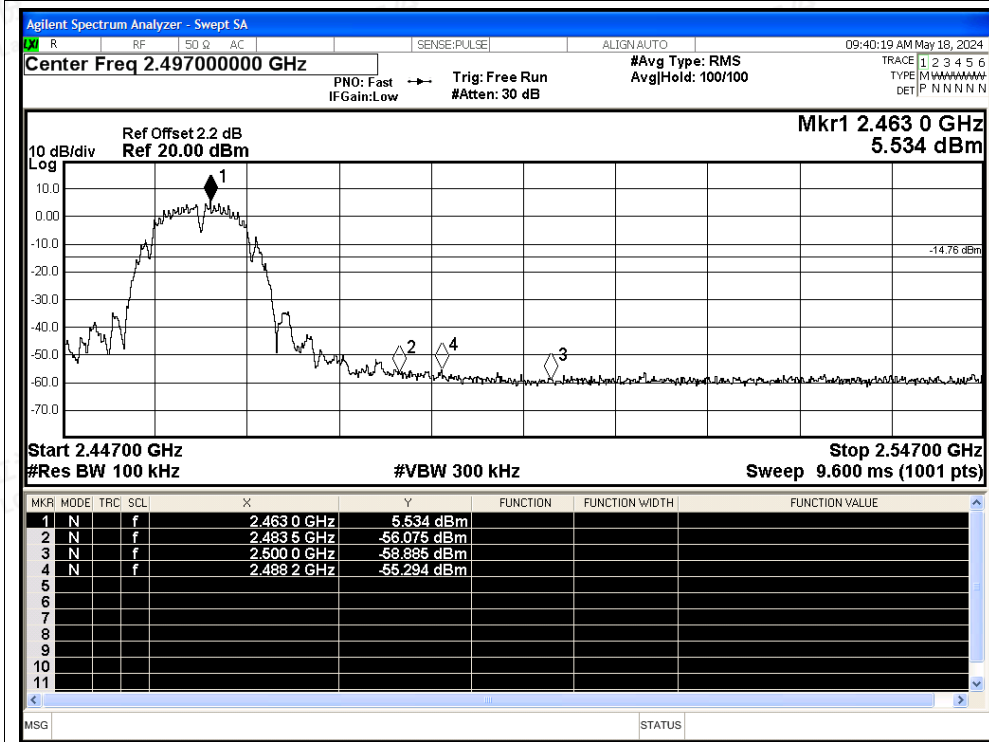




Band Edge NVNT b 2462MHz Ant2 Ref

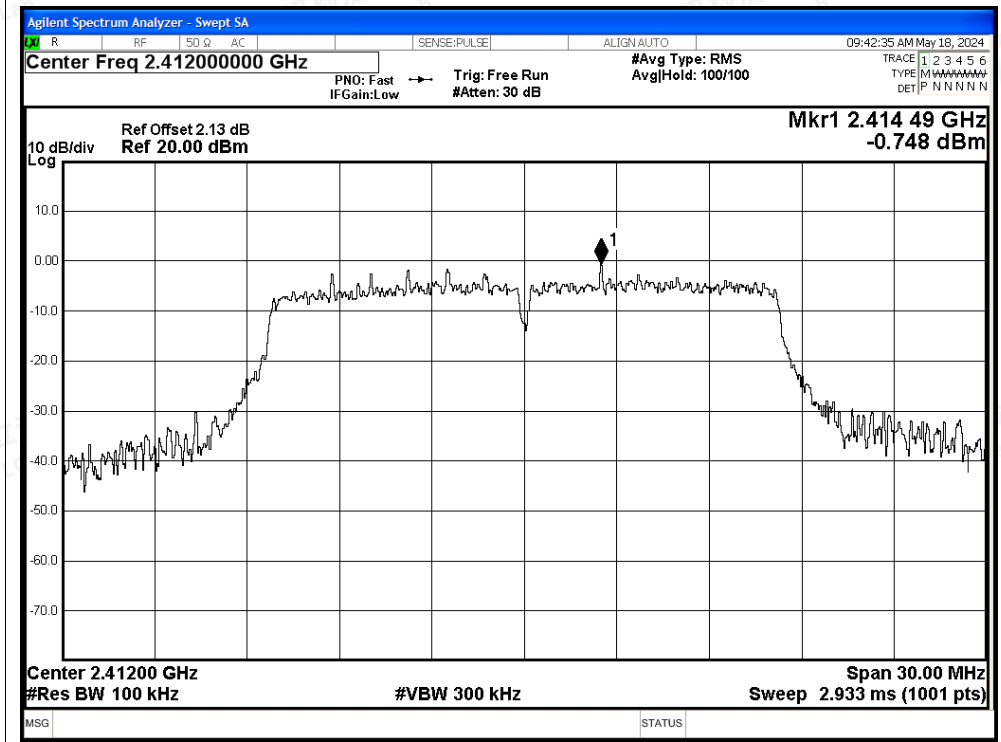


Band Edge NVNT b 2462MHz Ant2 Emission

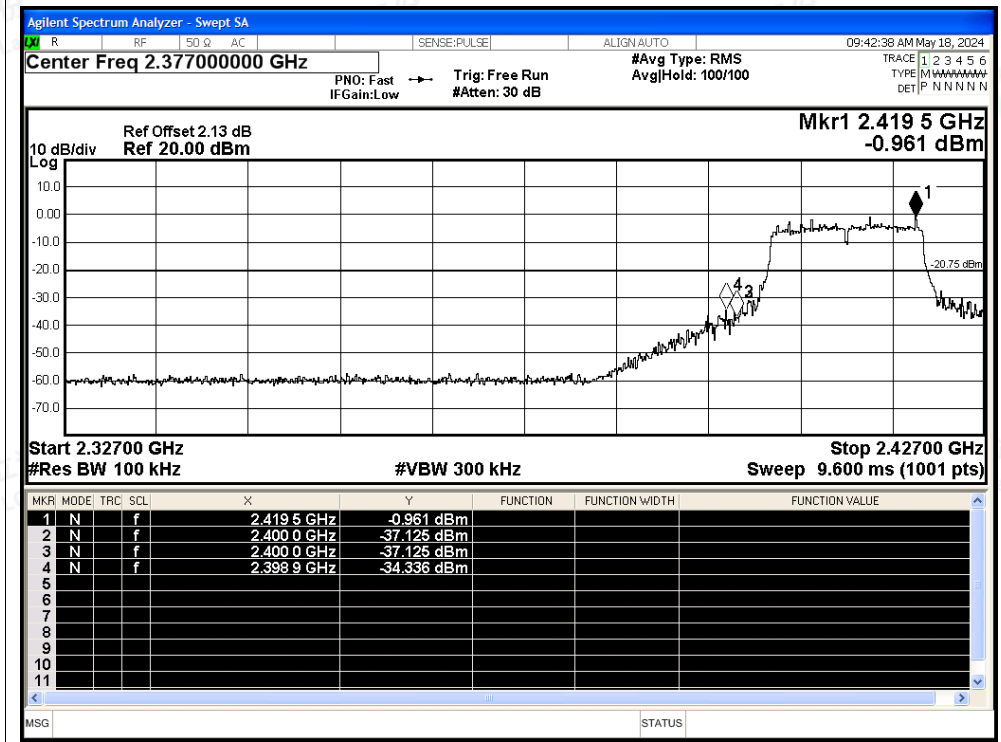




Band Edge NVNT g 2412MHz Ant2 Ref

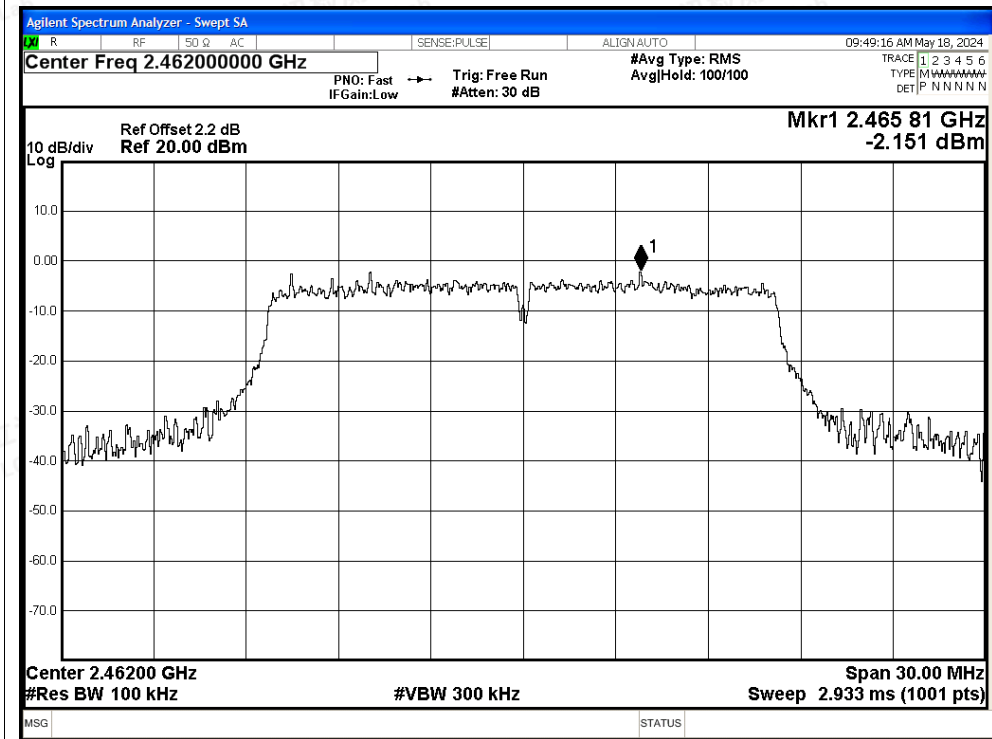


Band Edge NVNT g 2412MHz Ant2 Emission

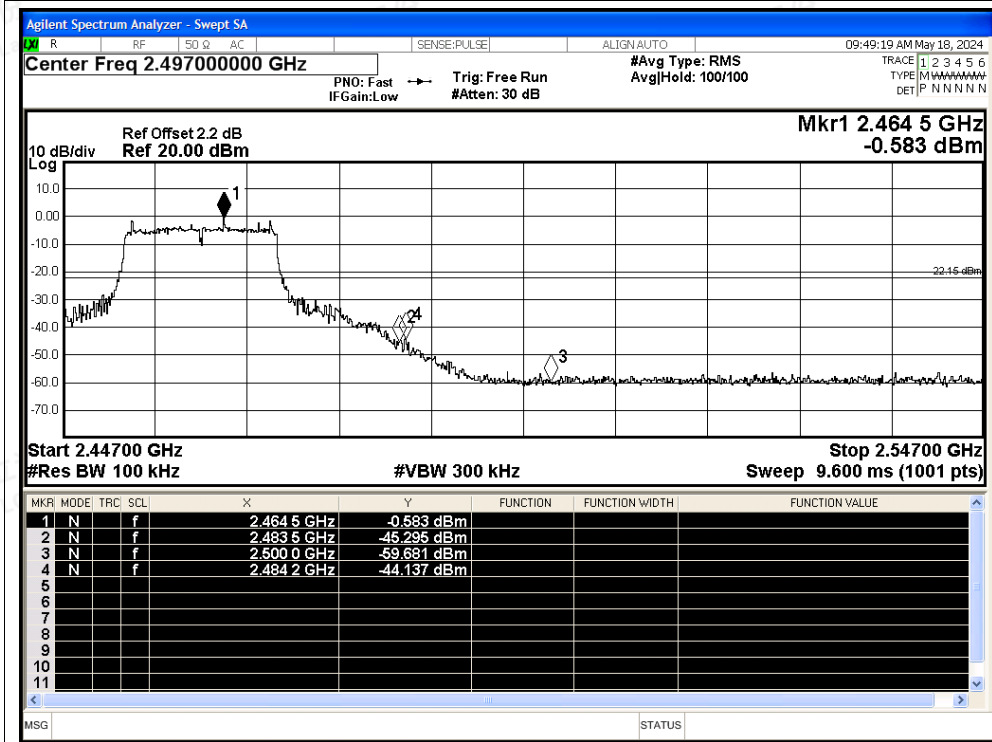




Band Edge NVNT g 2462MHz Ant2 Ref

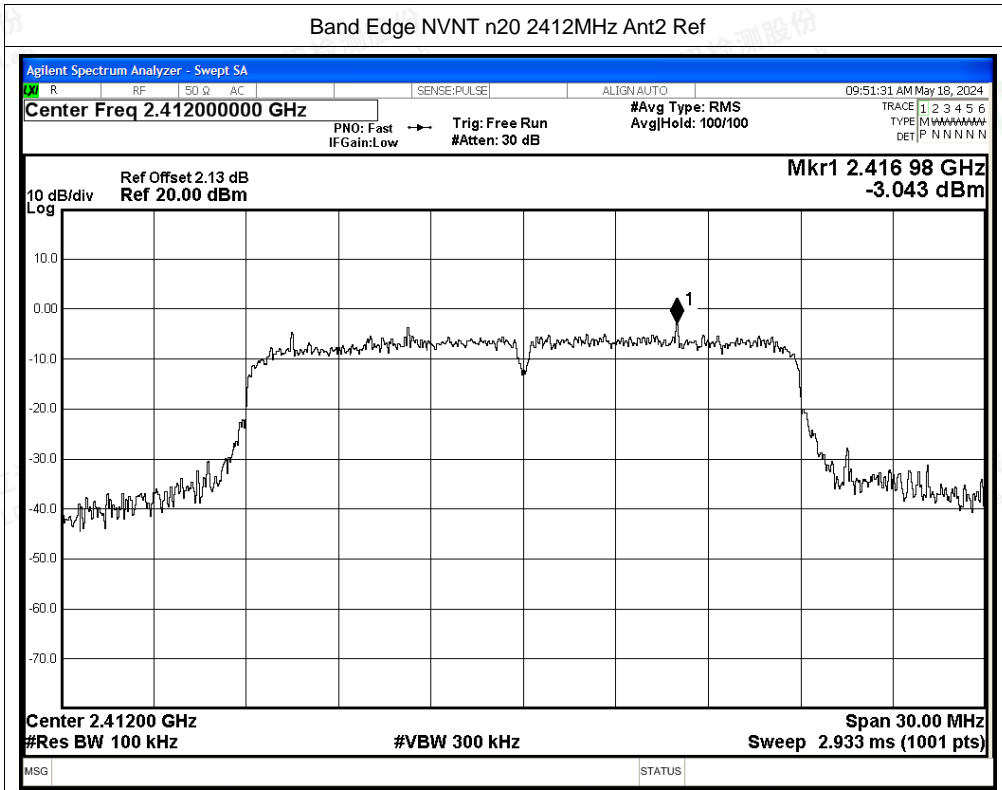


Band Edge NVNT g 2462MHz Ant2 Emission

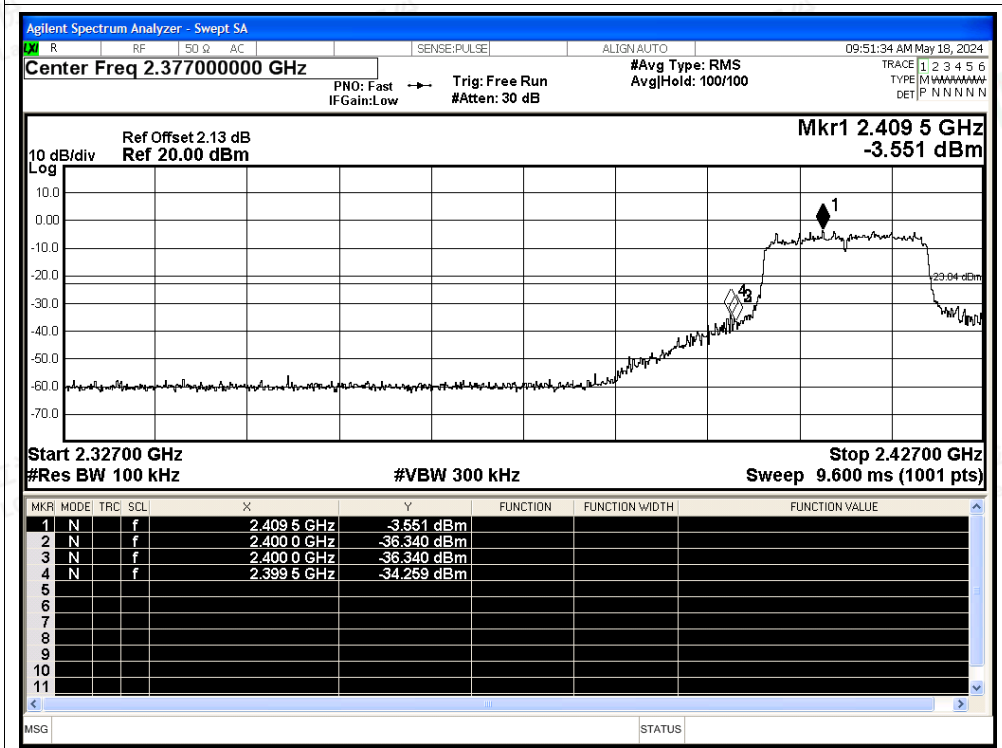




Band Edge NVNT n20 2412MHz Ant2 Ref

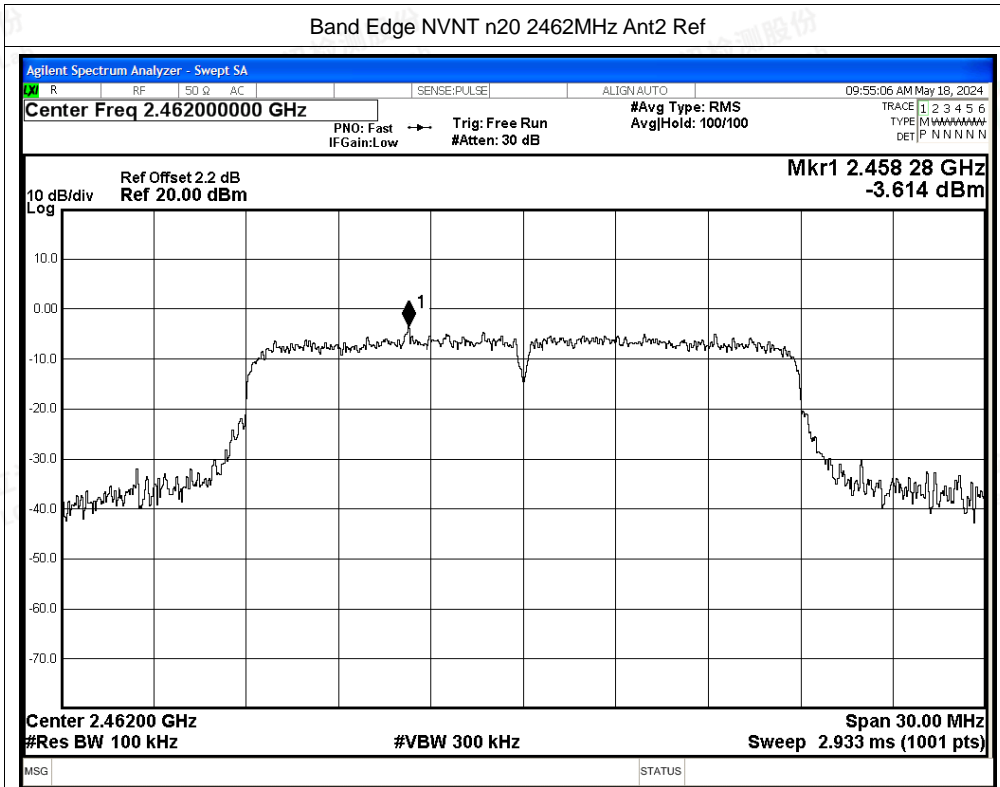


Band Edge NVNT n20 2412MHz Ant2 Emission

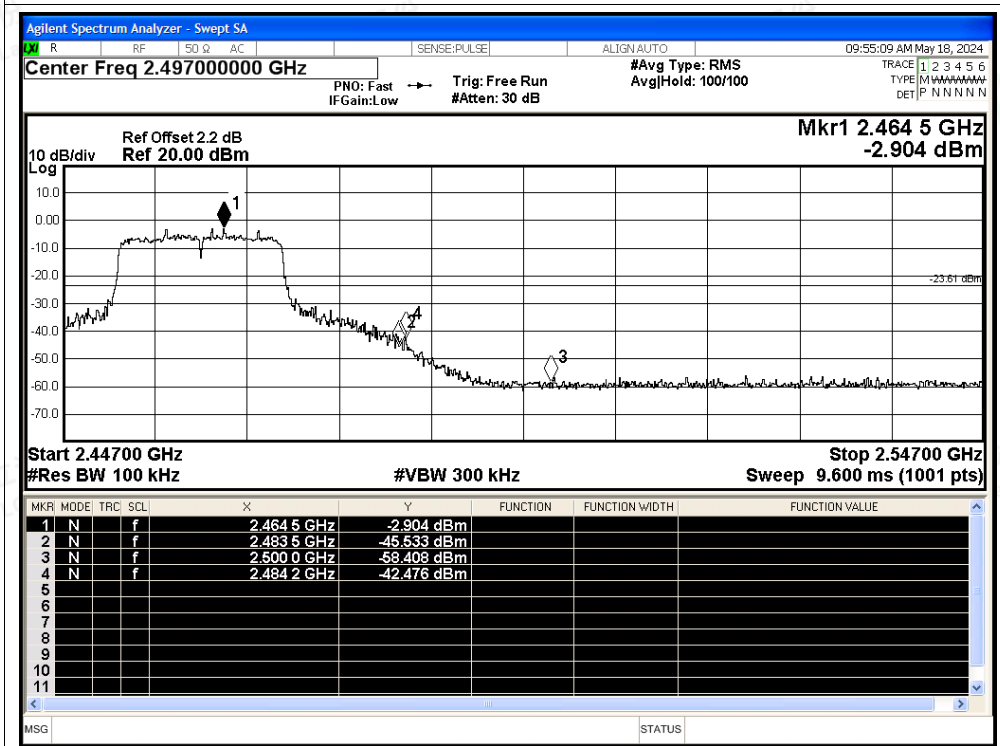




Band Edge NVNT n20 2462MHz Ant2 Ref

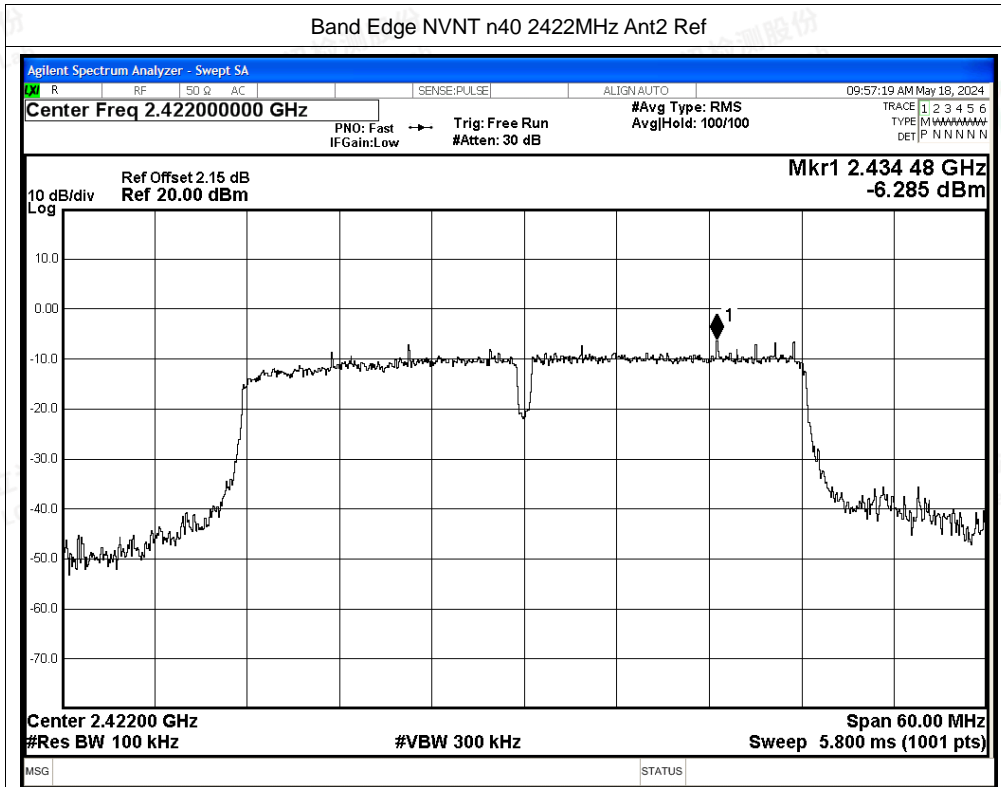


Band Edge NVNT n20 2462MHz Ant2 Emission

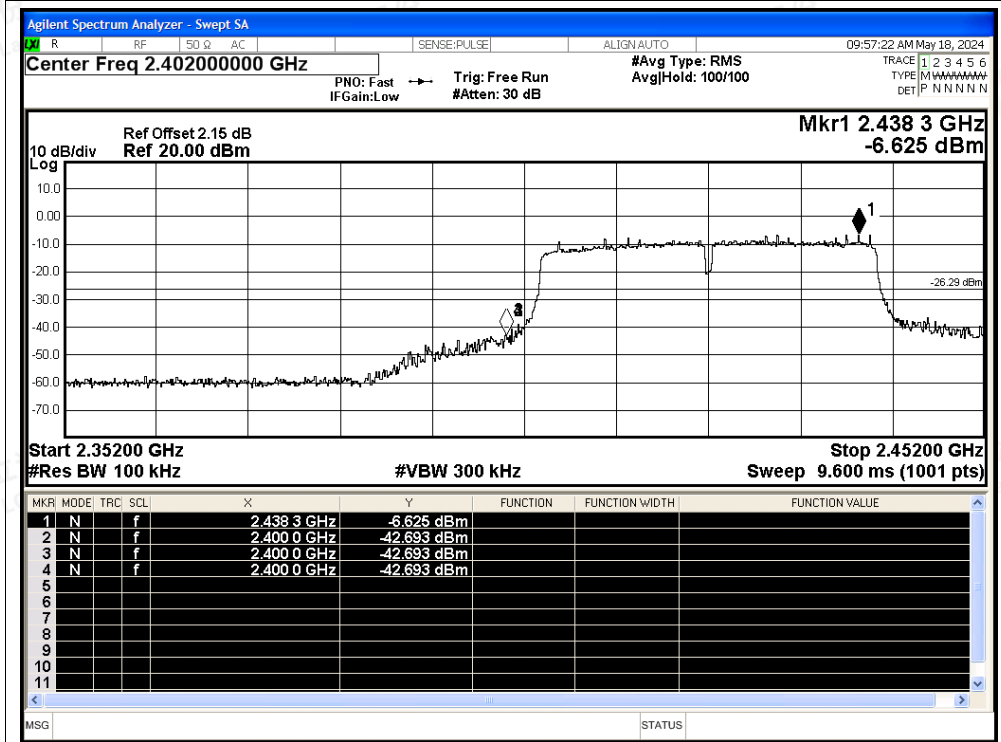




Band Edge NVNT n40 2422MHz Ant2 Ref

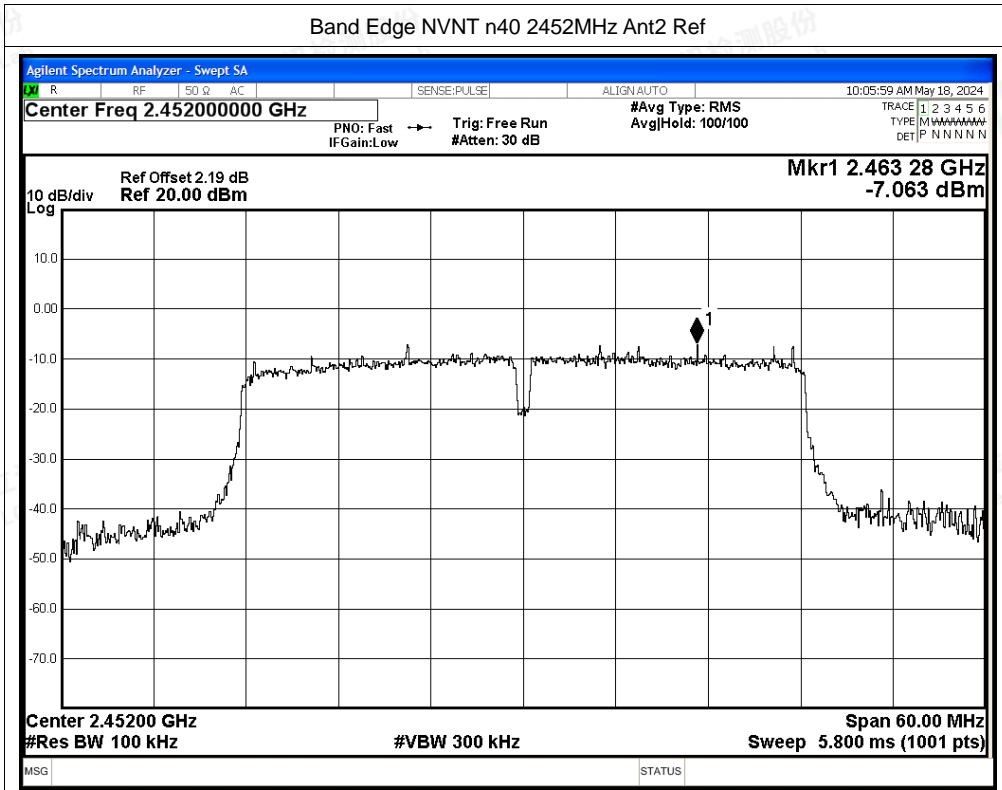


Band Edge NVNT n40 2422MHz Ant2 Emission

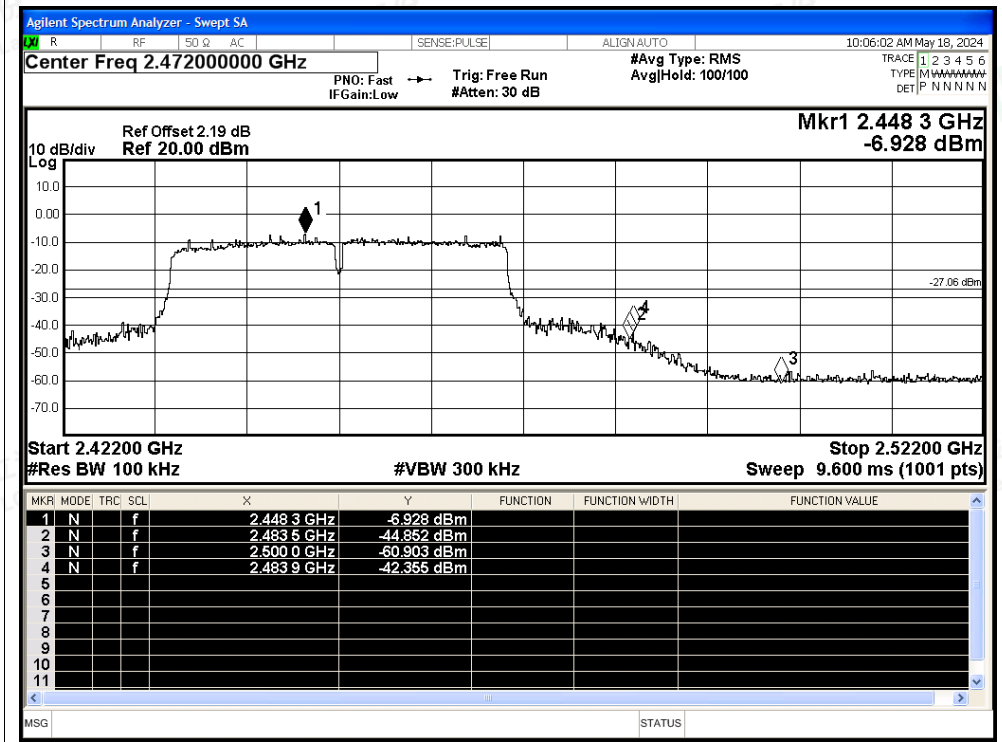




Band Edge NVNT n40 2452MHz Ant2 Ref



Band Edge NVNT n40 2452MHz Ant2 Emission





C.5 Conducted RF Spurious Emission

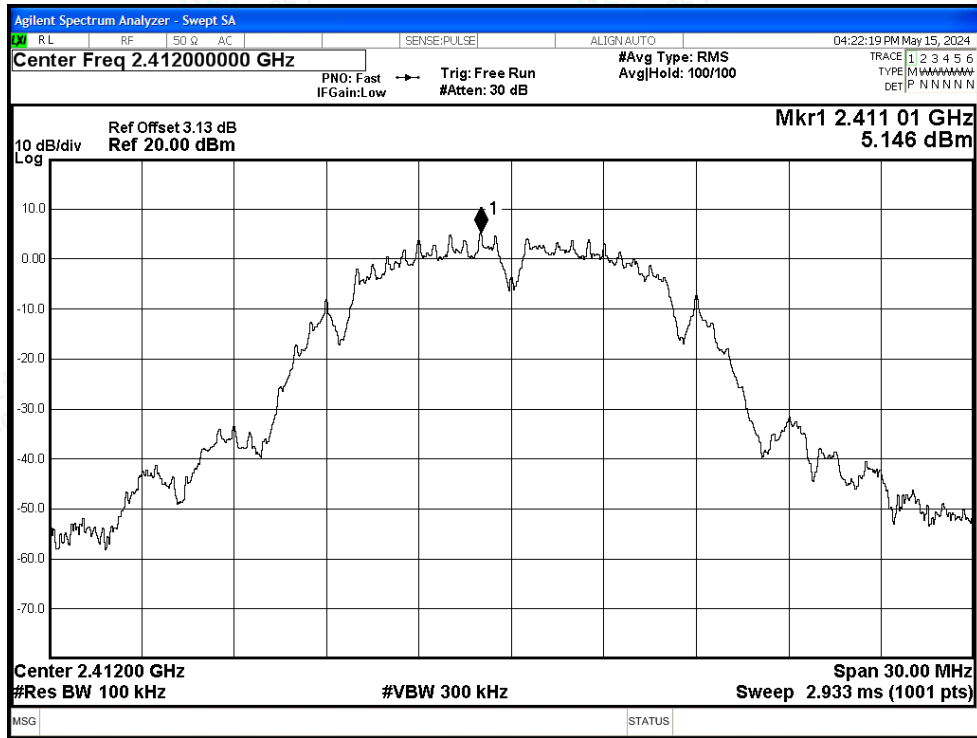
| Condition | Mode | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|------|-----------------|---------|-----------------|-------------|---------|
| NVNT | b | 2412 | Ant1 | -49.78 | -20 | Pass |
| NVNT | b | 2437 | Ant1 | -50.67 | -20 | Pass |
| NVNT | b | 2462 | Ant1 | -49.7 | -20 | Pass |
| NVNT | g | 2412 | Ant1 | -42.87 | -20 | Pass |
| NVNT | g | 2437 | Ant1 | -44.18 | -20 | Pass |
| NVNT | g | 2462 | Ant1 | -43.74 | -20 | Pass |
| NVNT | n20 | 2412 | Ant1 | -41.01 | -20 | Pass |
| NVNT | n20 | 2437 | Ant1 | -41.87 | -20 | Pass |
| NVNT | n20 | 2462 | Ant1 | -42.55 | -20 | Pass |
| NVNT | n40 | 2422 | Ant1 | -40.59 | -20 | Pass |
| NVNT | n40 | 2437 | Ant1 | -39.84 | -20 | Pass |
| NVNT | n40 | 2452 | Ant1 | -38.46 | -20 | Pass |



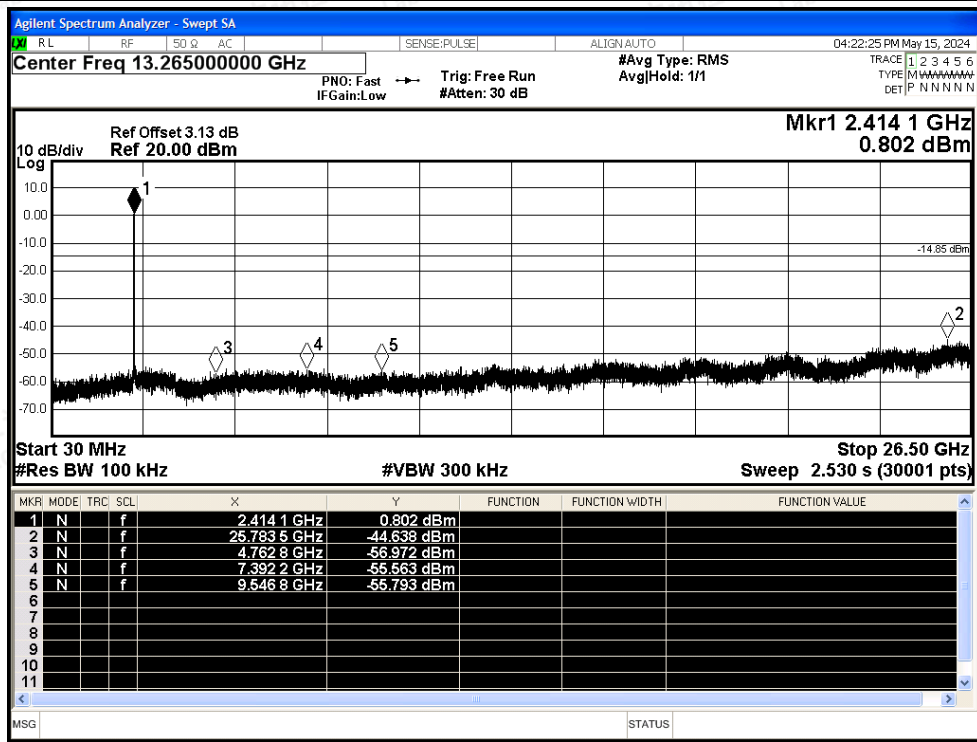


Test Graphs

Tx. Spurious NVNT b 2412MHz Ant1 Ref

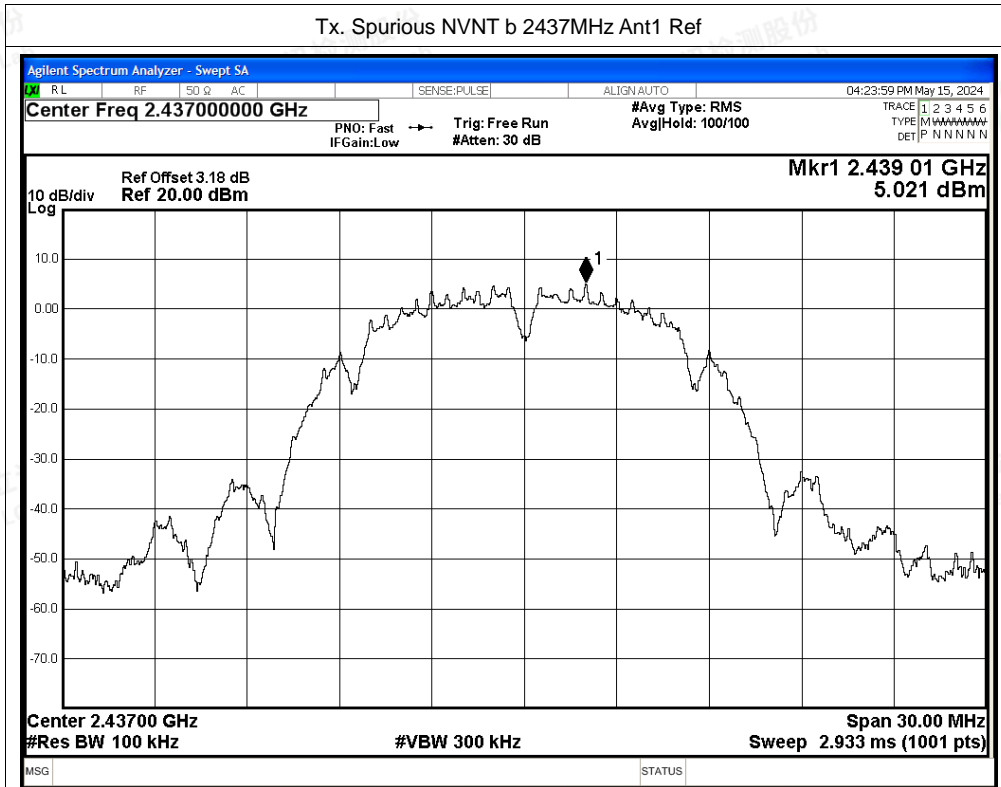


Tx. Spurious NVNT b 2412MHz Ant1 Emission

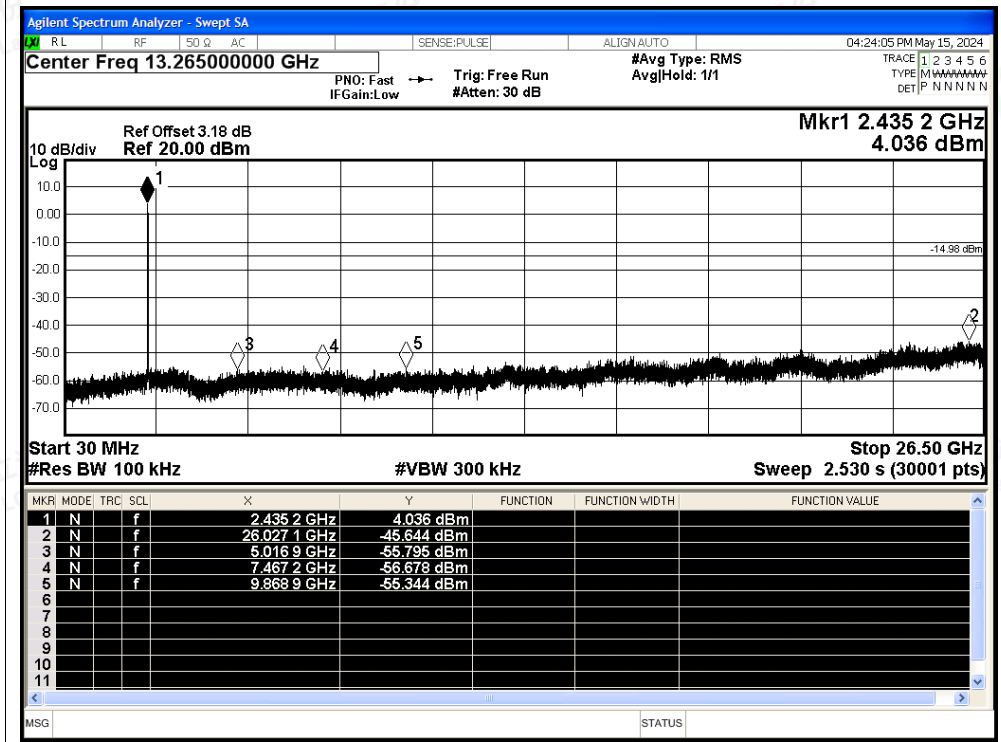




Tx. Spurious NVNT b 2437MHz Ant1 Ref

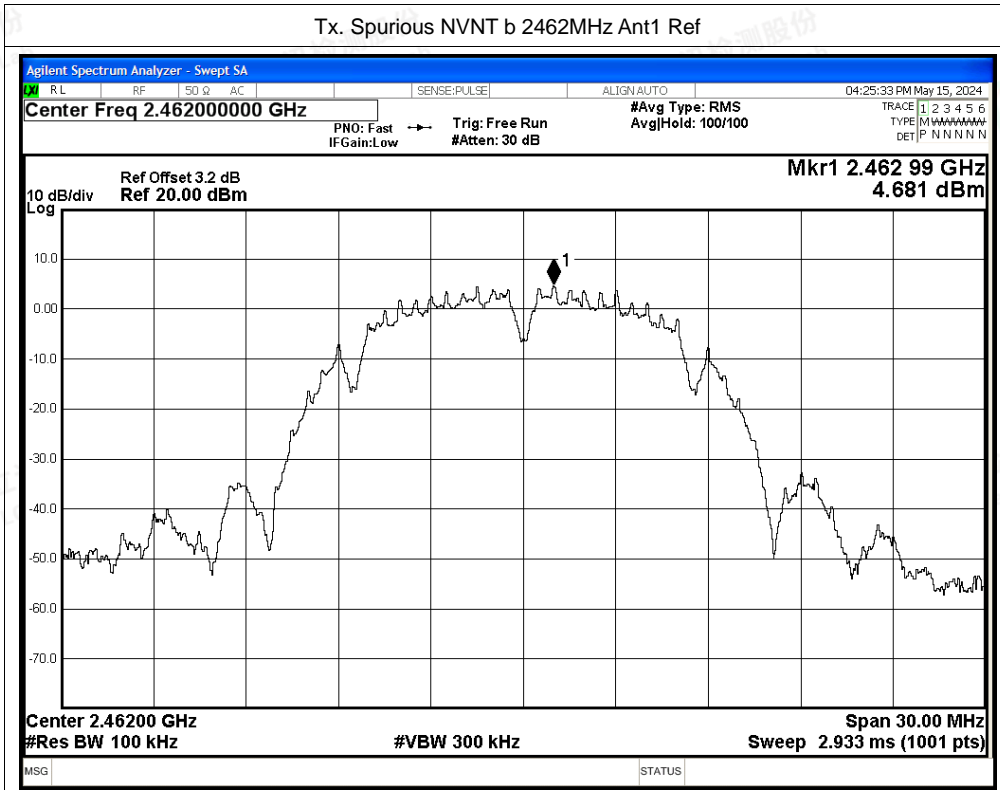


Tx. Spurious NVNT b 2437MHz Ant1 Emission

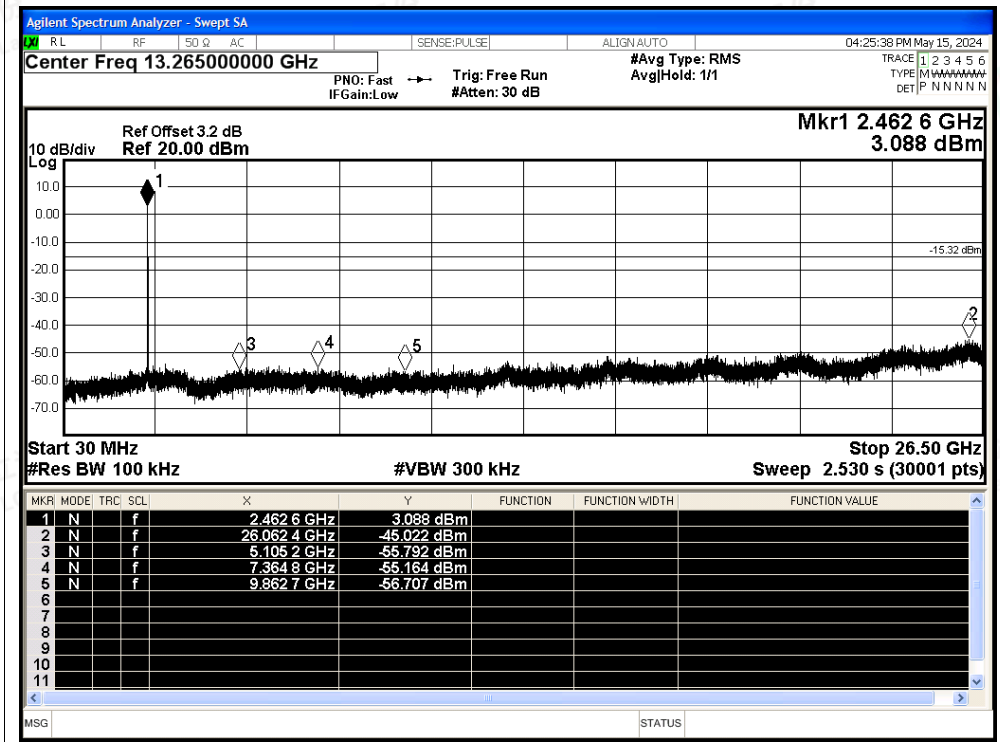




Tx. Spurious NVNT b 2462MHz Ant1 Ref

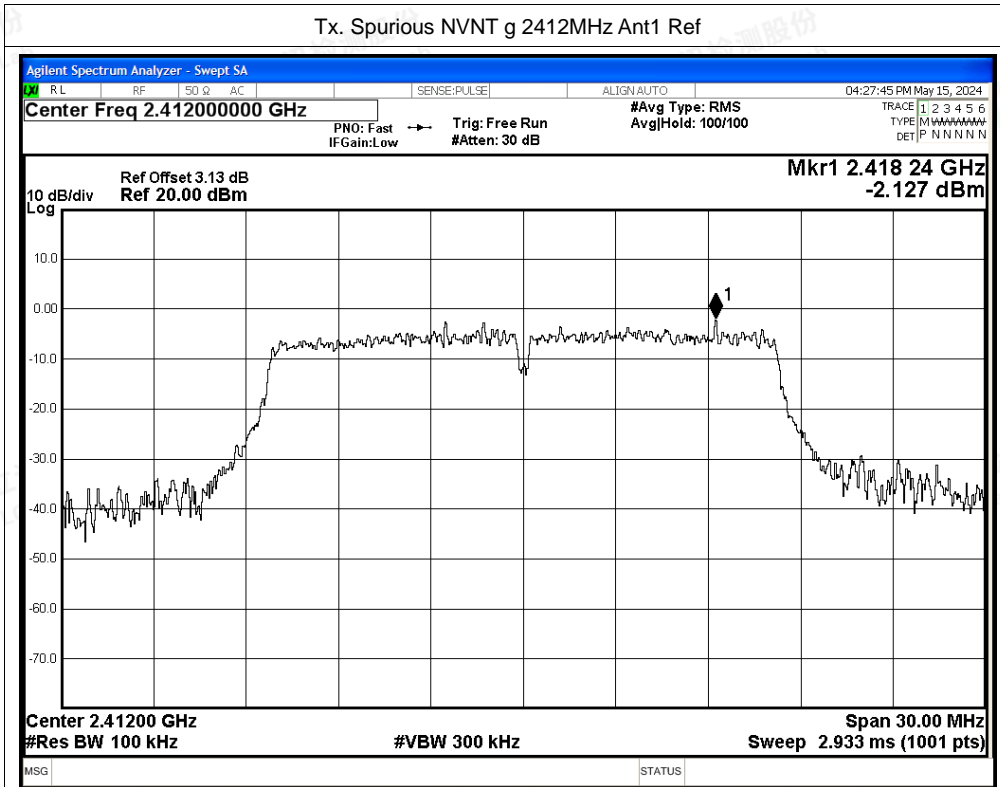


Tx. Spurious NVNT b 2462MHz Ant1 Emission

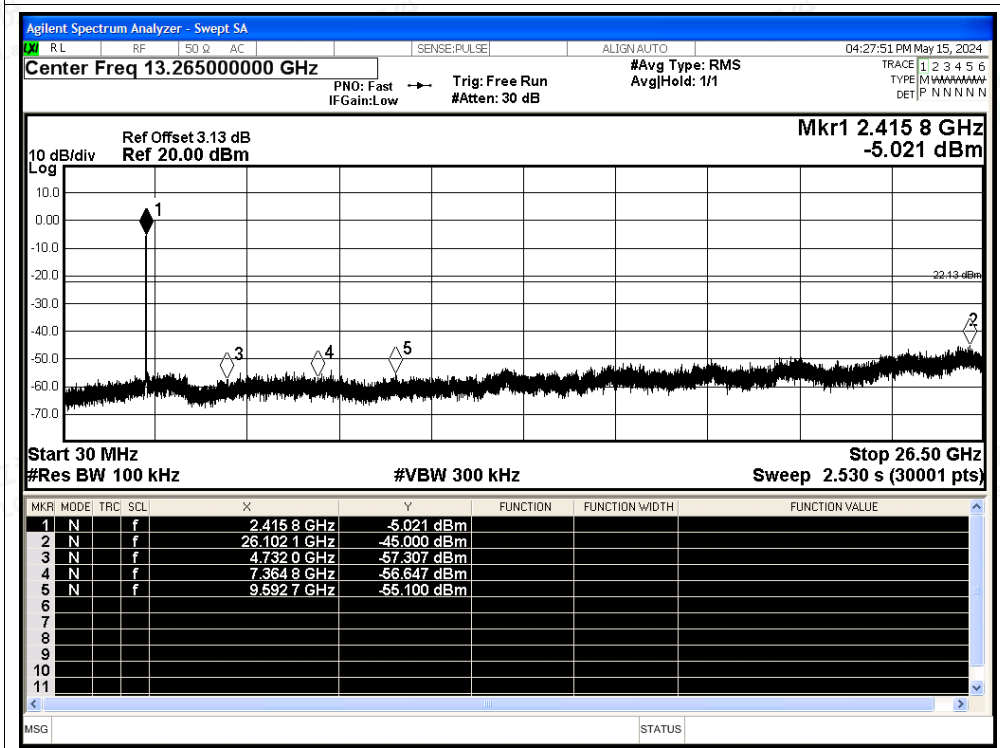




Tx. Spurious NVNT g 2412MHz Ant1 Ref

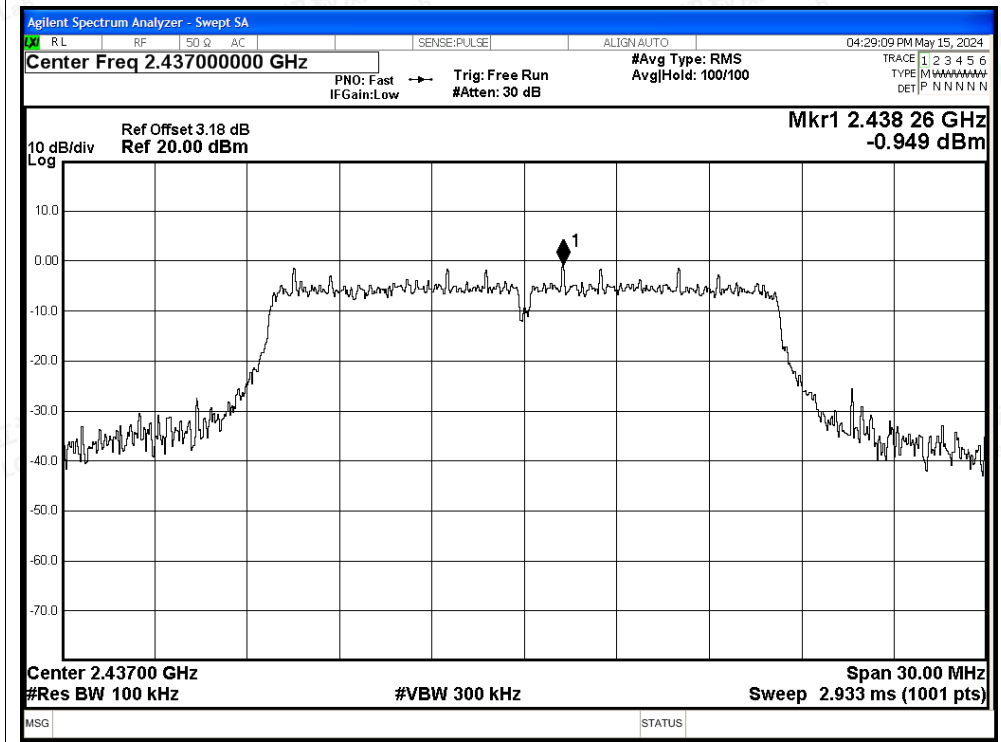


Tx. Spurious NVNT g 2412MHz Ant1 Emission

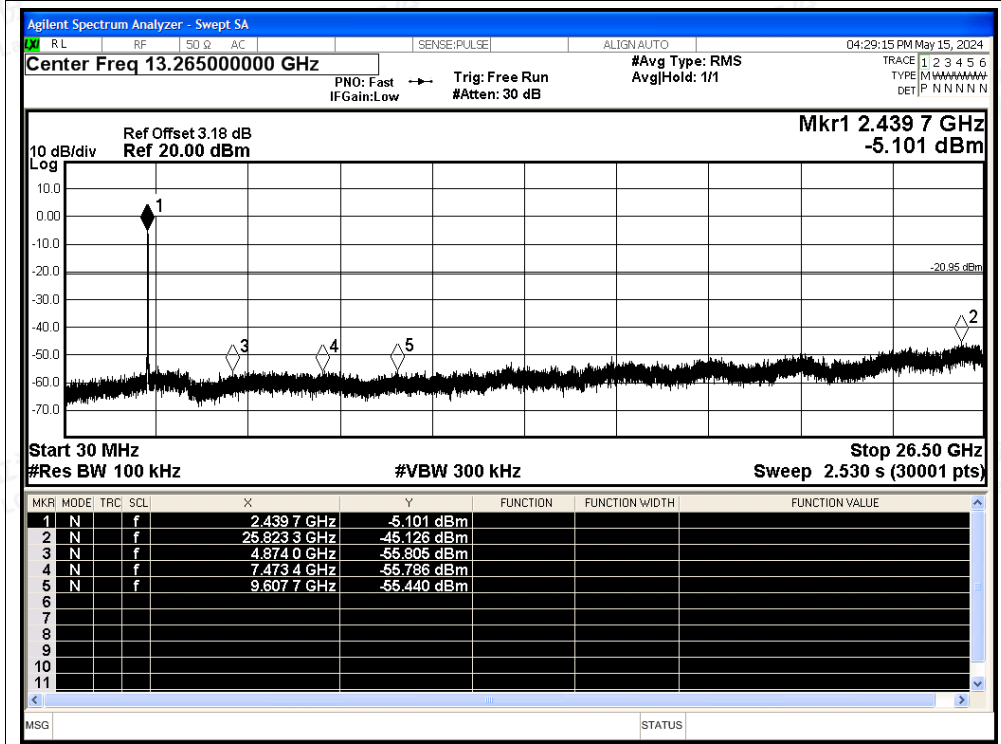




Tx. Spurious NVNT g 2437MHz Ant1 Ref

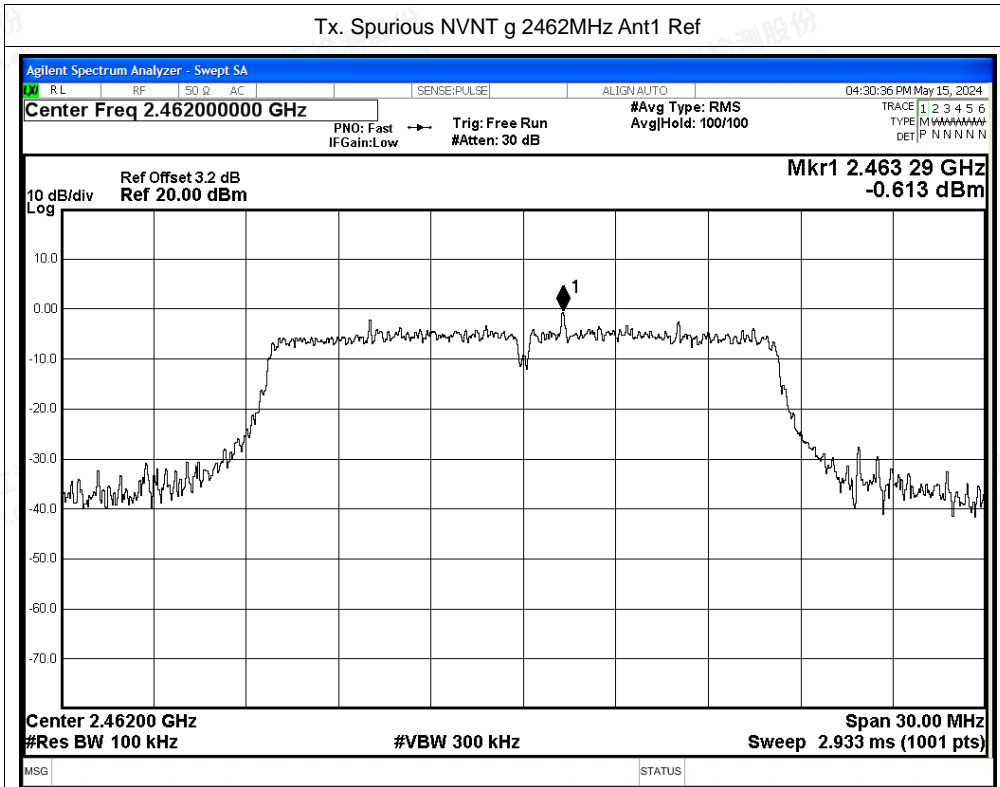


Tx. Spurious NVNT g 2437MHz Ant1 Emission

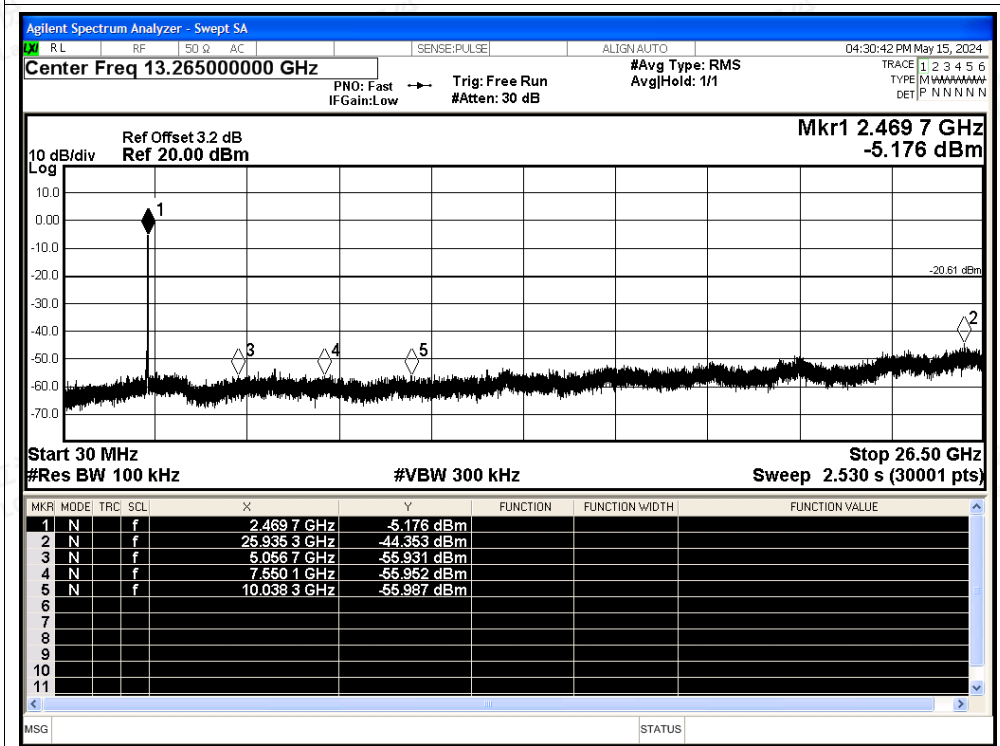




Tx. Spurious NVNT g 2462MHz Ant1 Ref

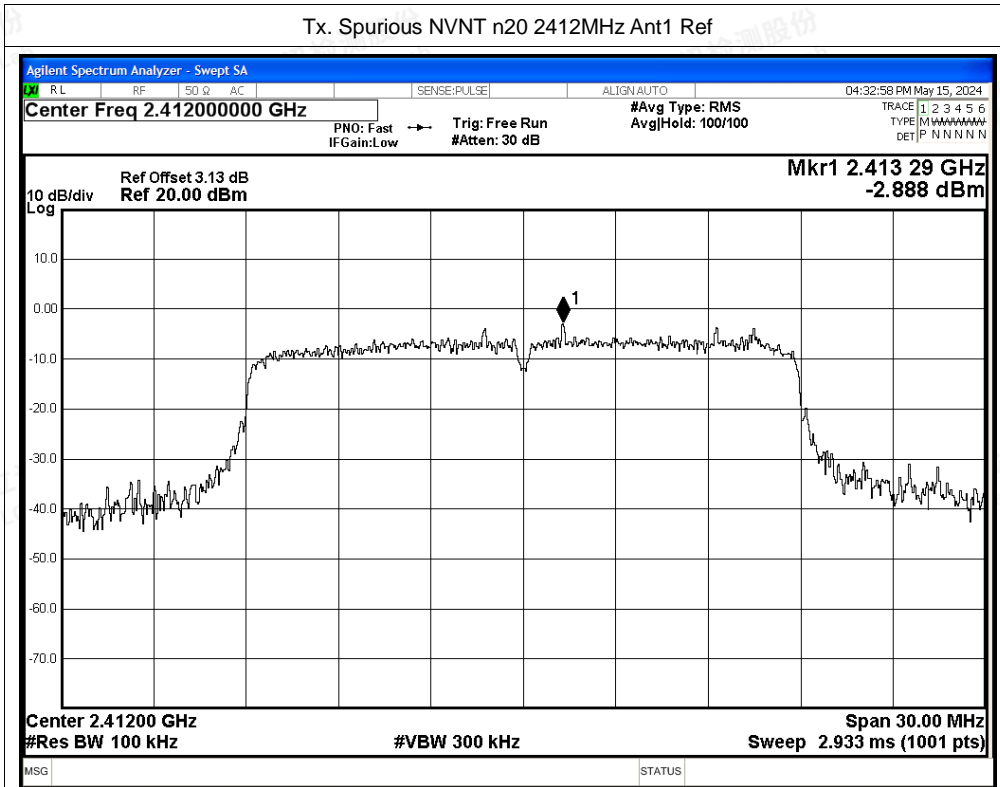


Tx. Spurious NVNT g 2462MHz Ant1 Emission

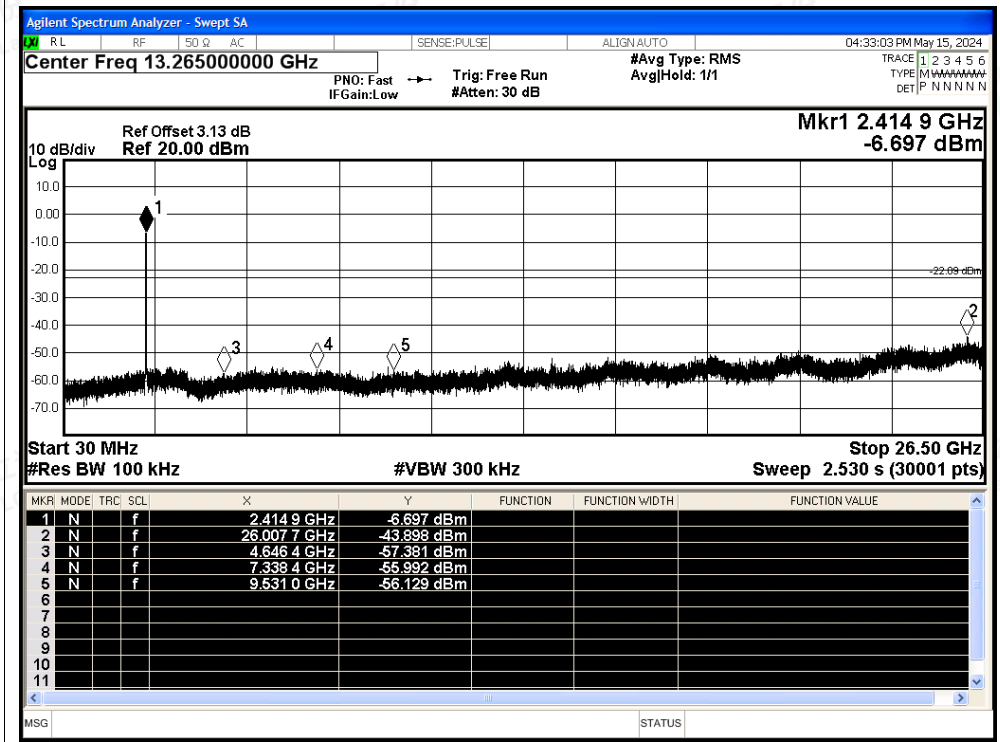




Tx. Spurious NVNT n20 2412MHz Ant1 Ref

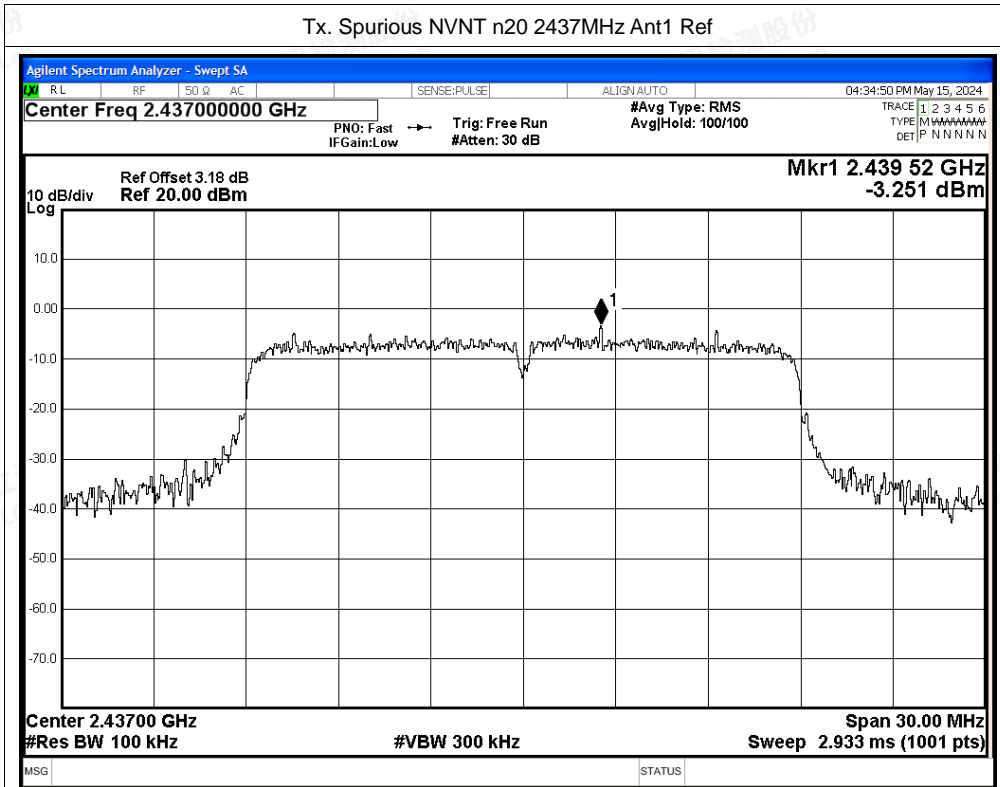


Tx. Spurious NVNT n20 2412MHz Ant1 Emission

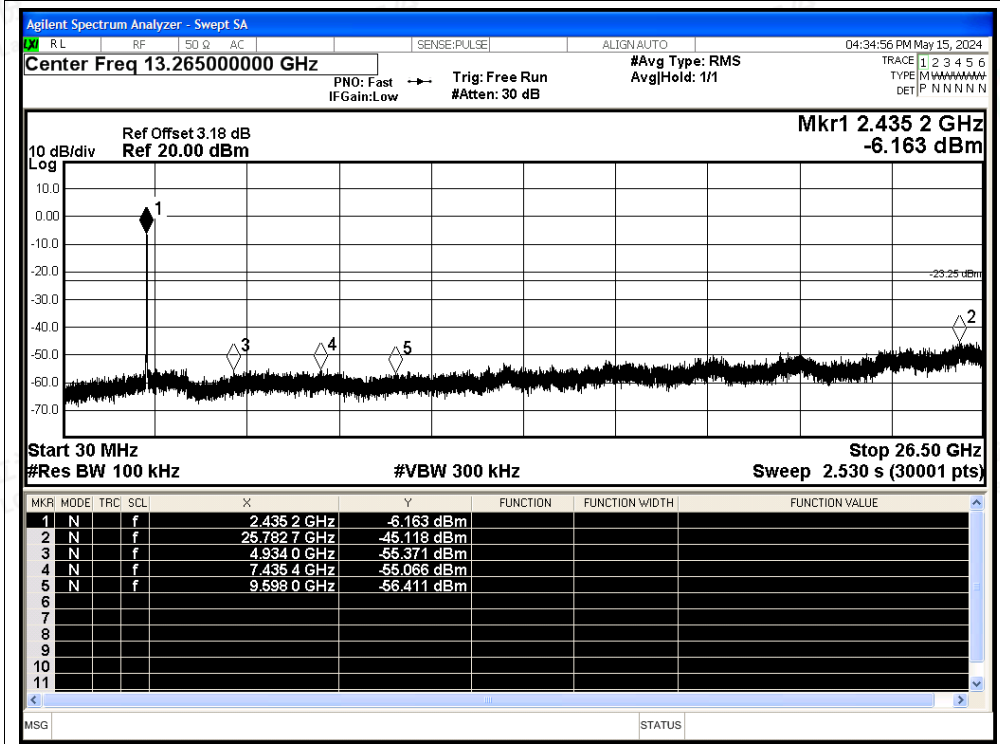




Tx. Spurious NVNT n20 2437MHz Ant1 Ref

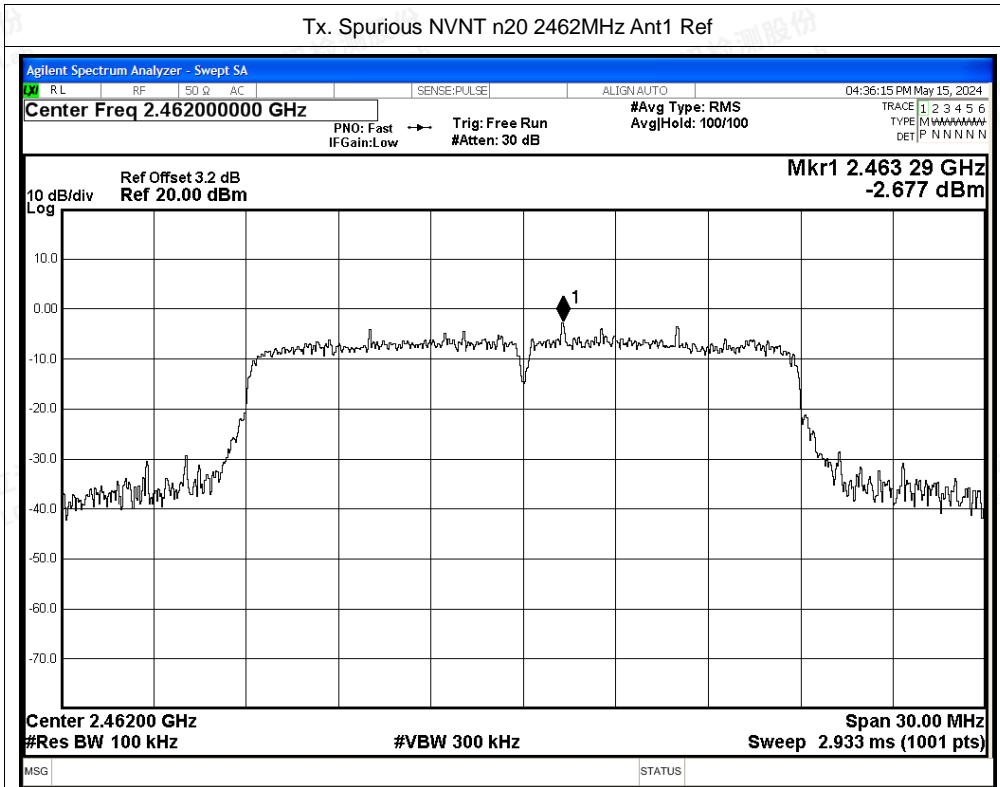


Tx. Spurious NVNT n20 2437MHz Ant1 Emission

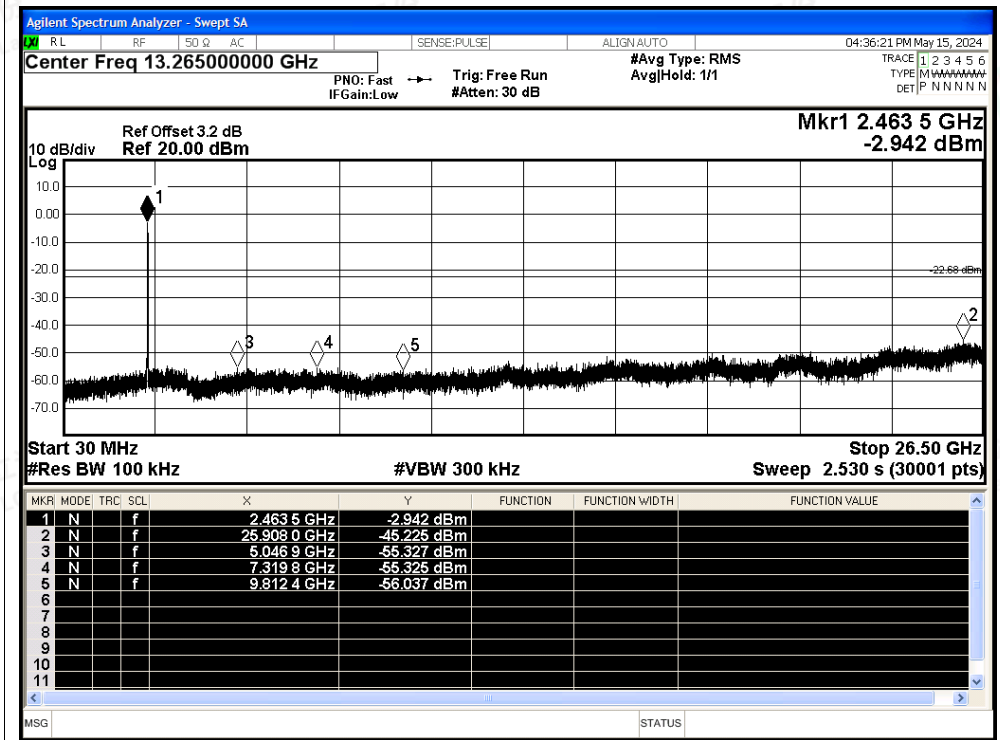




Tx. Spurious NVNT n20 2462MHz Ant1 Ref



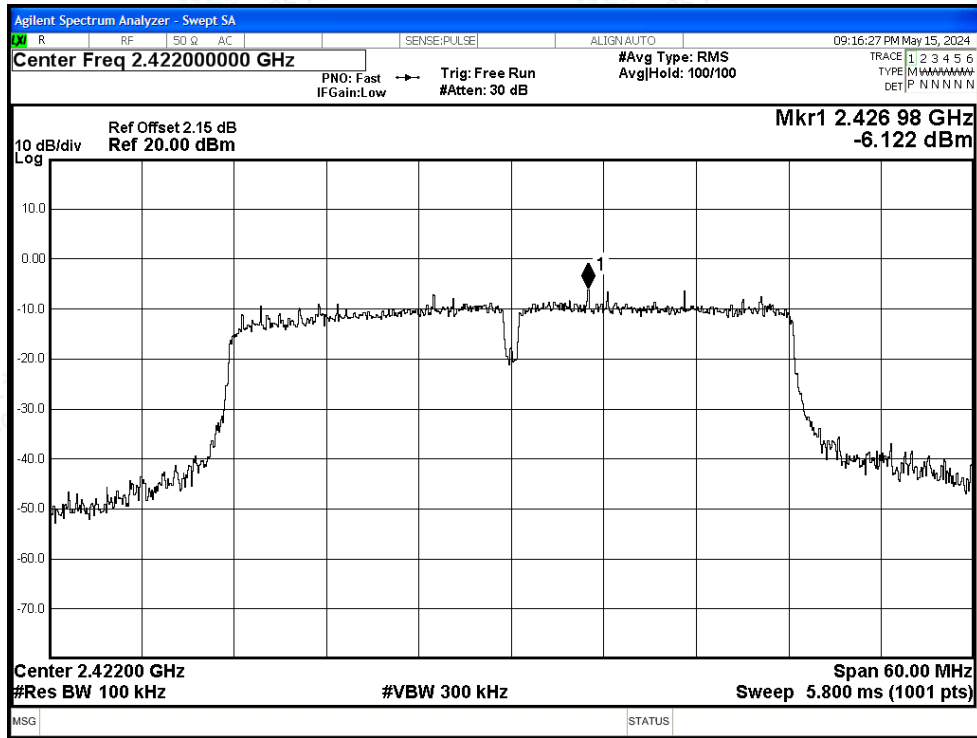
Tx. Spurious NVNT n20 2462MHz Ant1 Emission



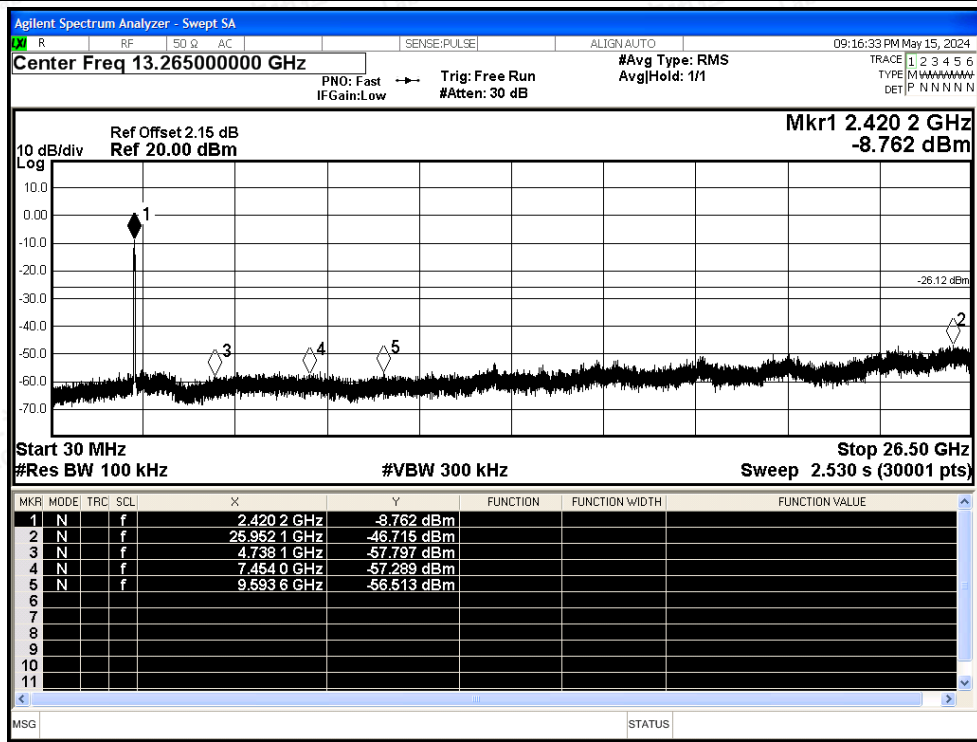


Test Graphs

Tx. Spurious NVNT n40 2422MHz Ant1 Ref

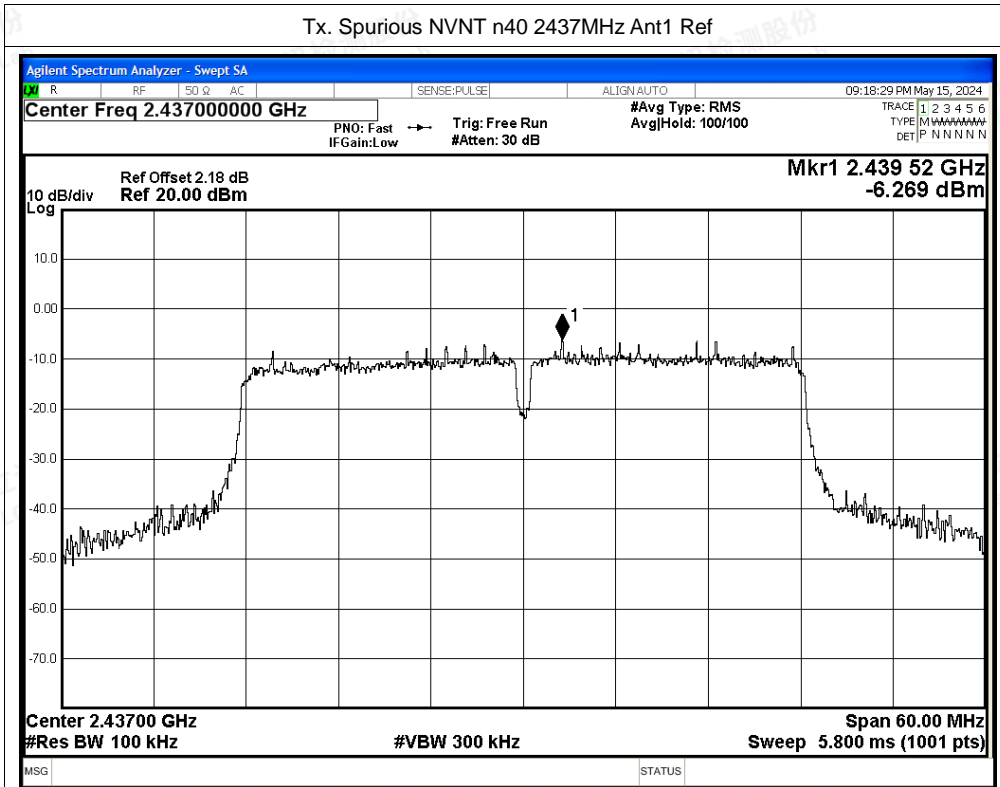


Tx. Spurious NVNT n40 2422MHz Ant1 Emission

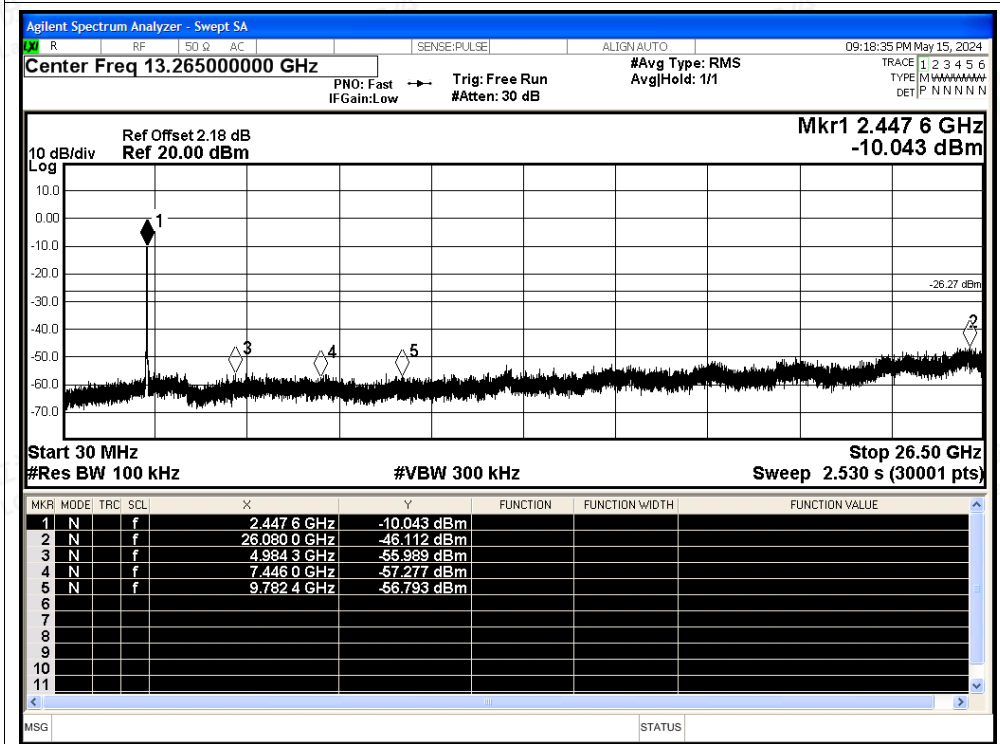




Tx. Spurious NVNT n40 2437MHz Ant1 Ref

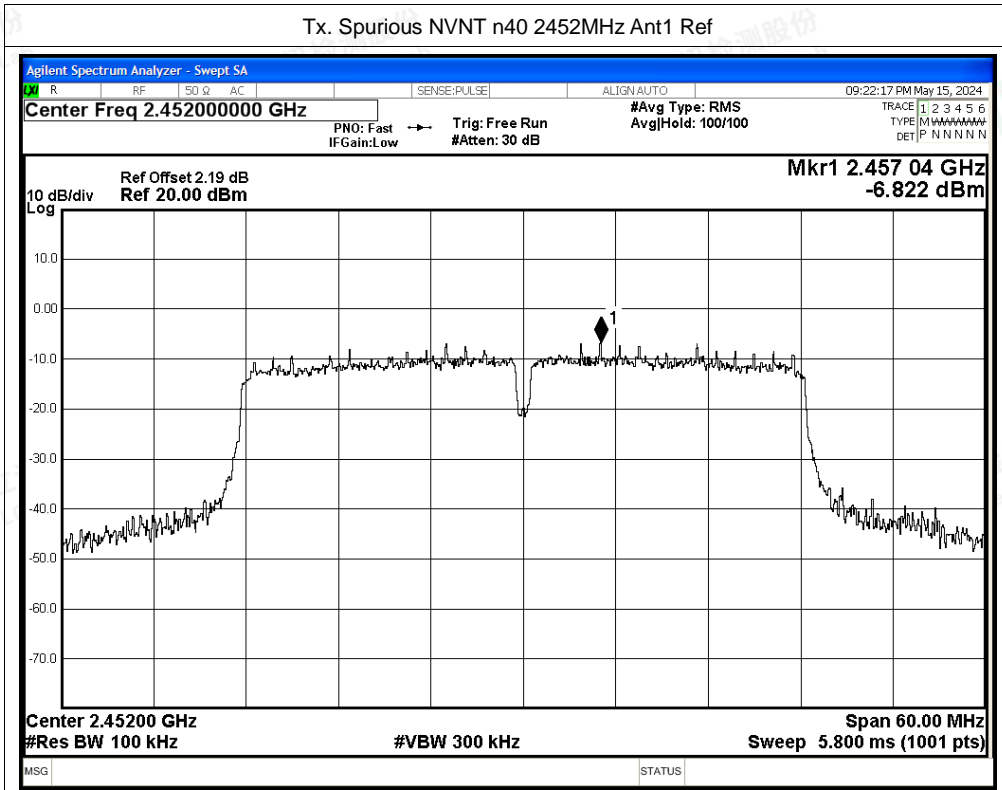


Tx. Spurious NVNT n40 2437MHz Ant1 Emission

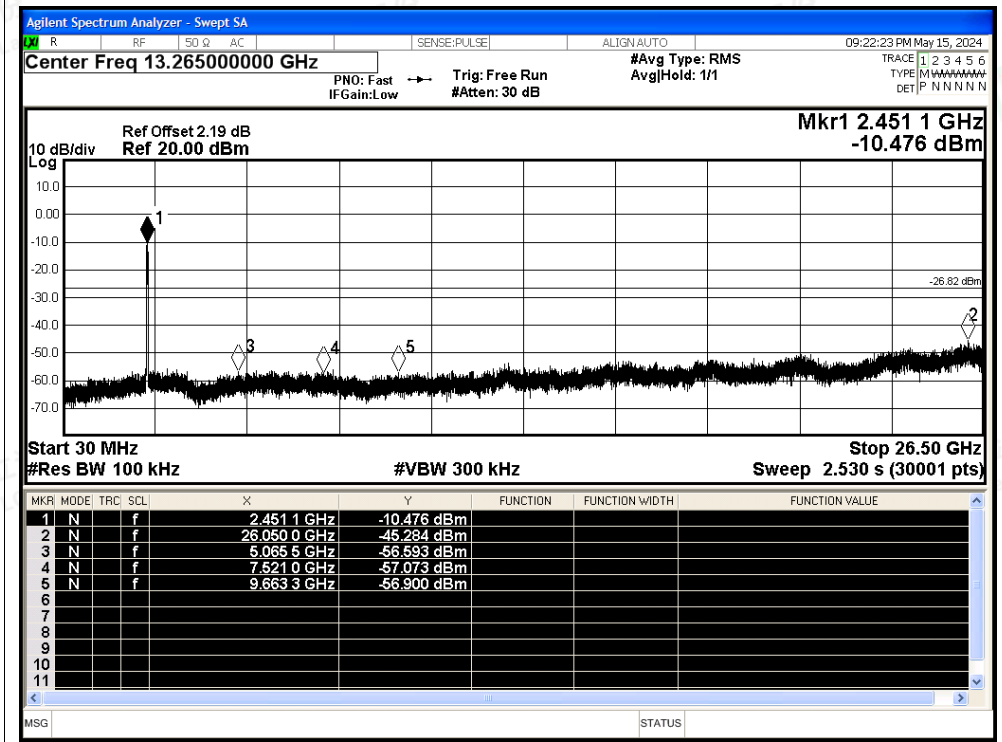




Tx. Spurious NVNT n40 2452MHz Ant1 Ref



Tx. Spurious NVNT n40 2452MHz Ant1 Emission



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Scan code to check authenticity



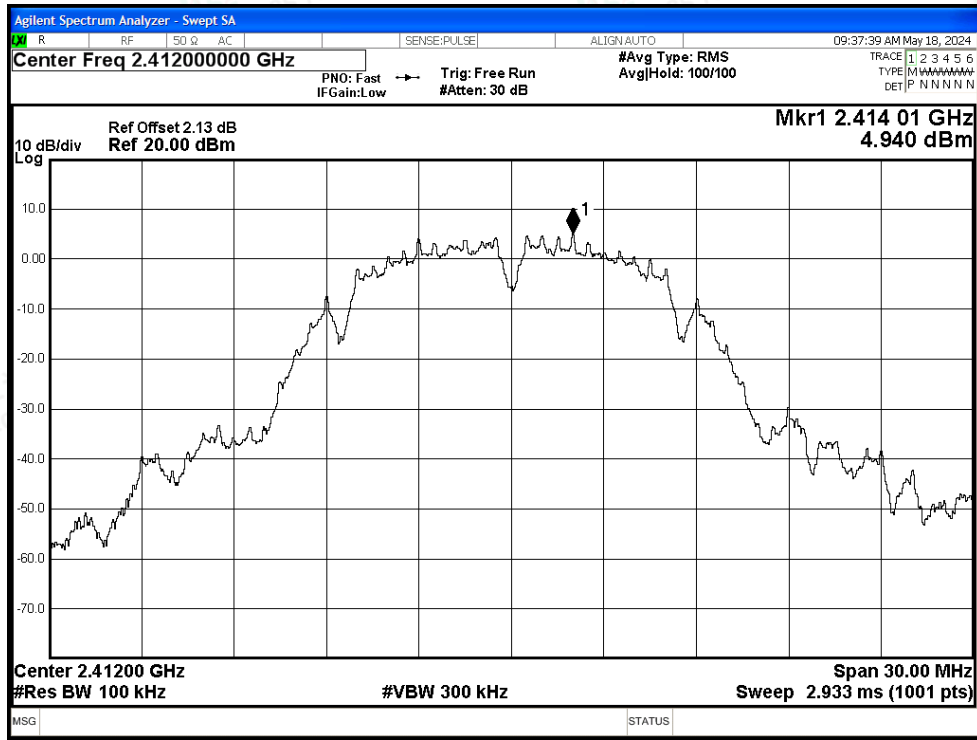
| Condition | Mode | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|------|-----------------|---------|-----------------|-------------|---------|
| NVNT | b | 2412 | Ant2 | -50.54 | -20 | Pass |
| NVNT | b | 2437 | Ant2 | -51.59 | -20 | Pass |
| NVNT | b | 2462 | Ant2 | -51.89 | -20 | Pass |
| NVNT | g | 2412 | Ant2 | -45.11 | -20 | Pass |
| NVNT | g | 2437 | Ant2 | -44.97 | -20 | Pass |
| NVNT | g | 2462 | Ant2 | -45.14 | -20 | Pass |
| NVNT | n20 | 2412 | Ant2 | -43.44 | -20 | Pass |
| NVNT | n20 | 2437 | Ant2 | -41.88 | -20 | Pass |
| NVNT | n20 | 2462 | Ant2 | -41.8 | -20 | Pass |
| NVNT | n40 | 2422 | Ant2 | -40.47 | -20 | Pass |
| NVNT | n40 | 2437 | Ant2 | -40.4 | -20 | Pass |
| NVNT | n40 | 2452 | Ant2 | -39.88 | -20 | Pass |



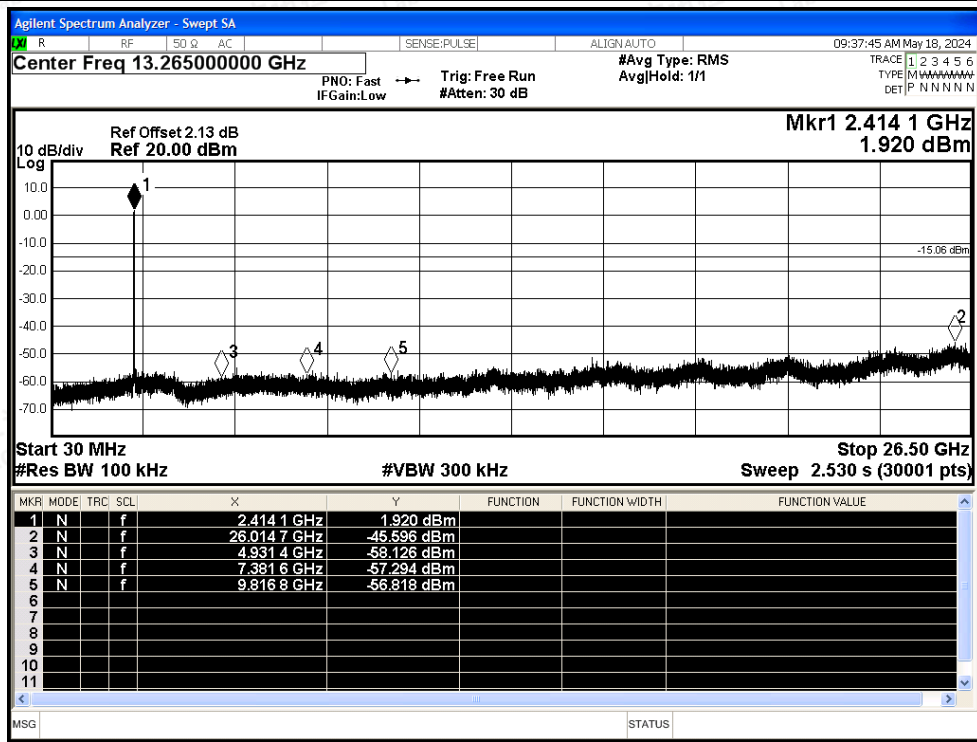


Test Graphs

Tx. Spurious NVNT b 2412MHz Ant2 Ref

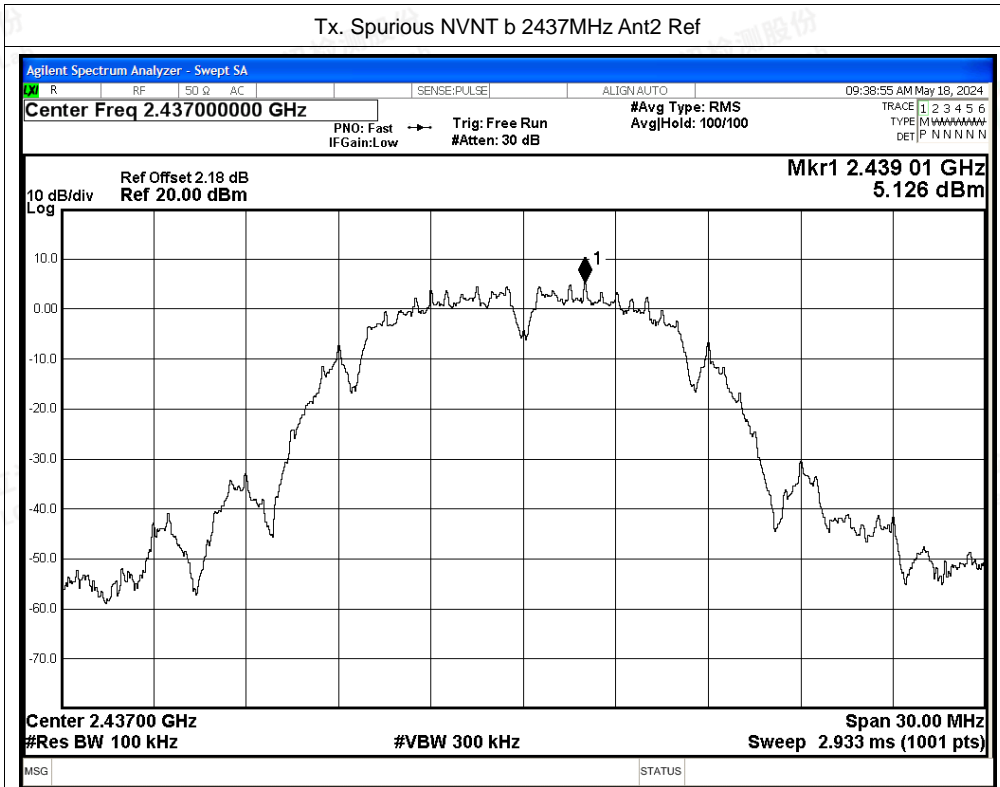


Tx. Spurious NVNT b 2412MHz Ant2 Emission

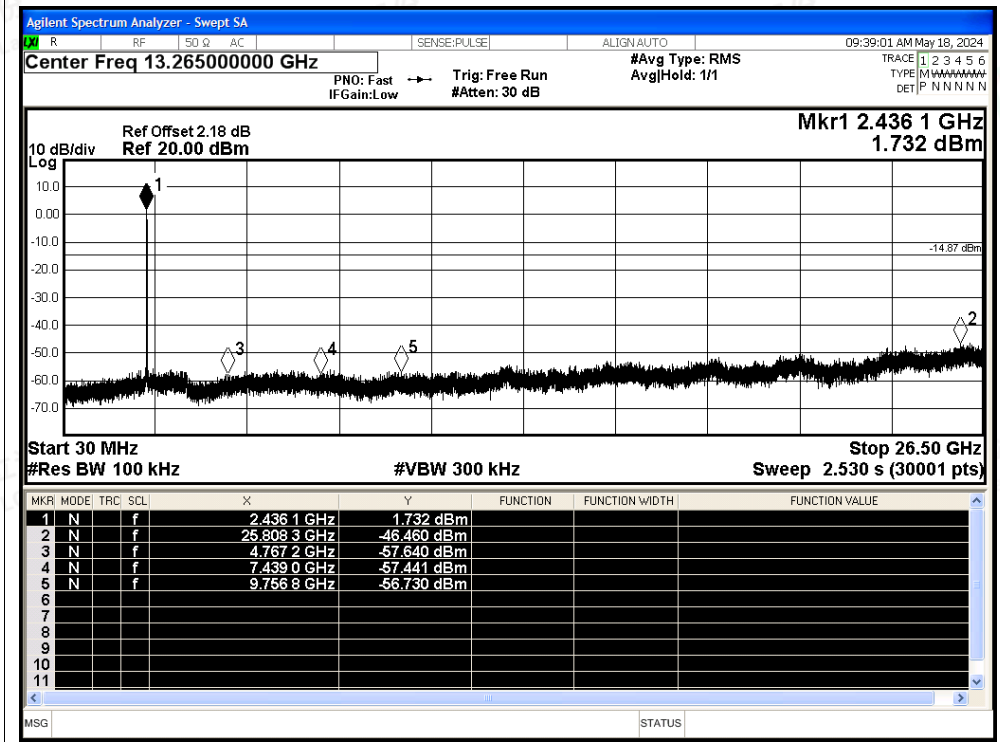




Tx. Spurious NVNT b 2437MHz Ant2 Ref

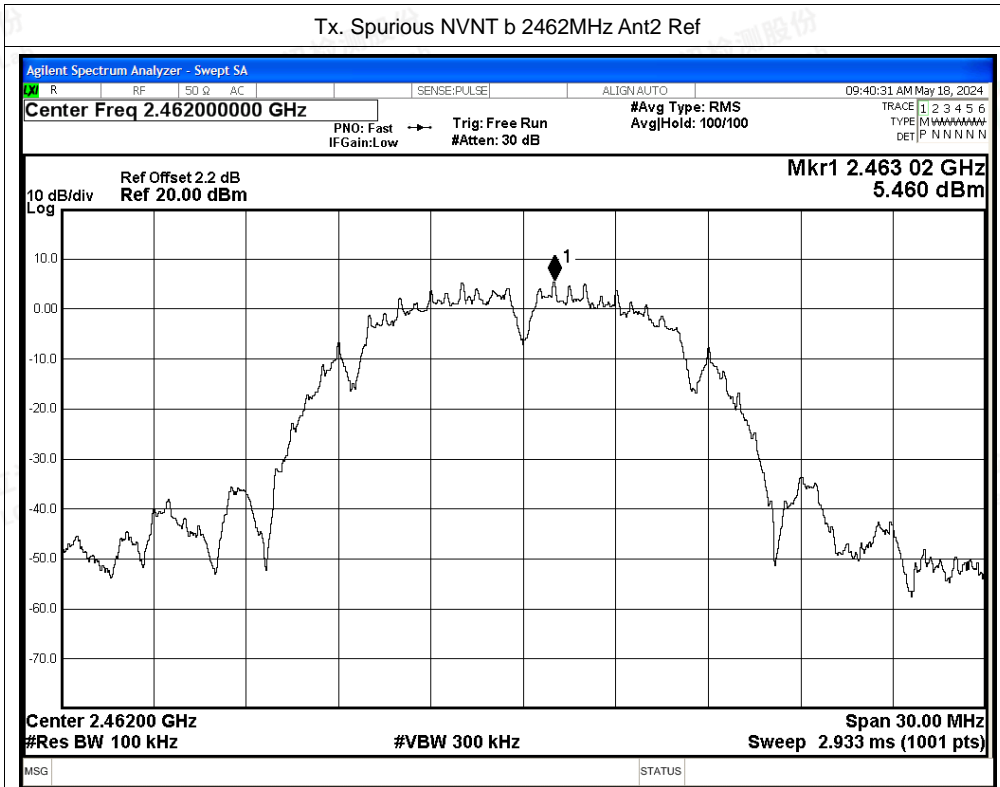


Tx. Spurious NVNT b 2437MHz Ant2 Emission

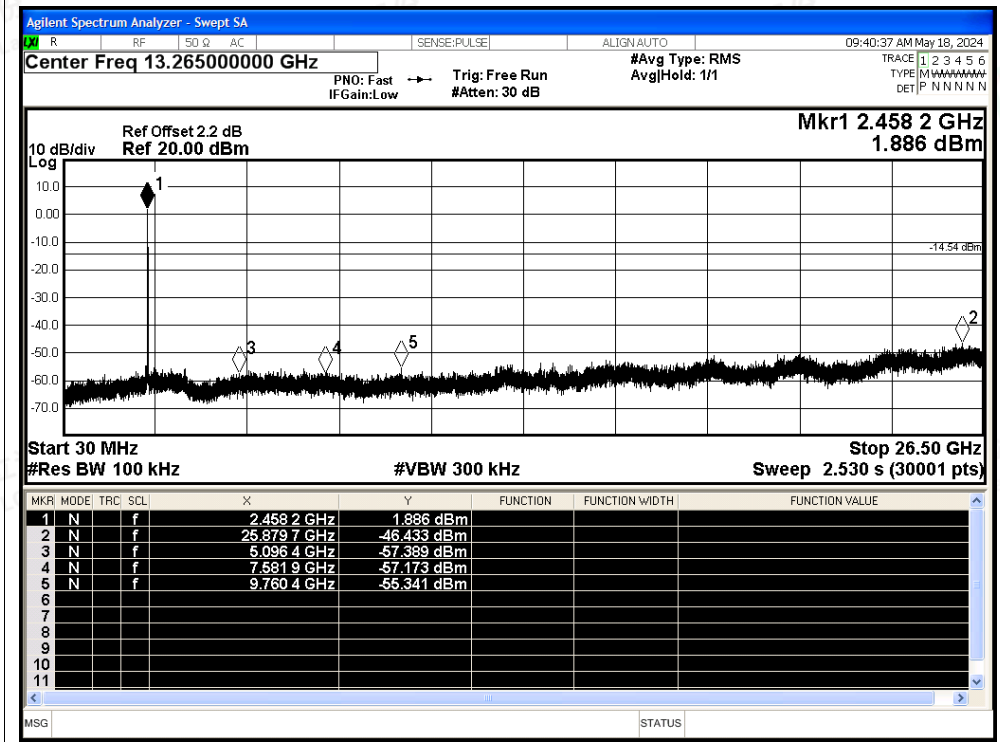




Tx. Spurious NVNT b 2462MHz Ant2 Ref

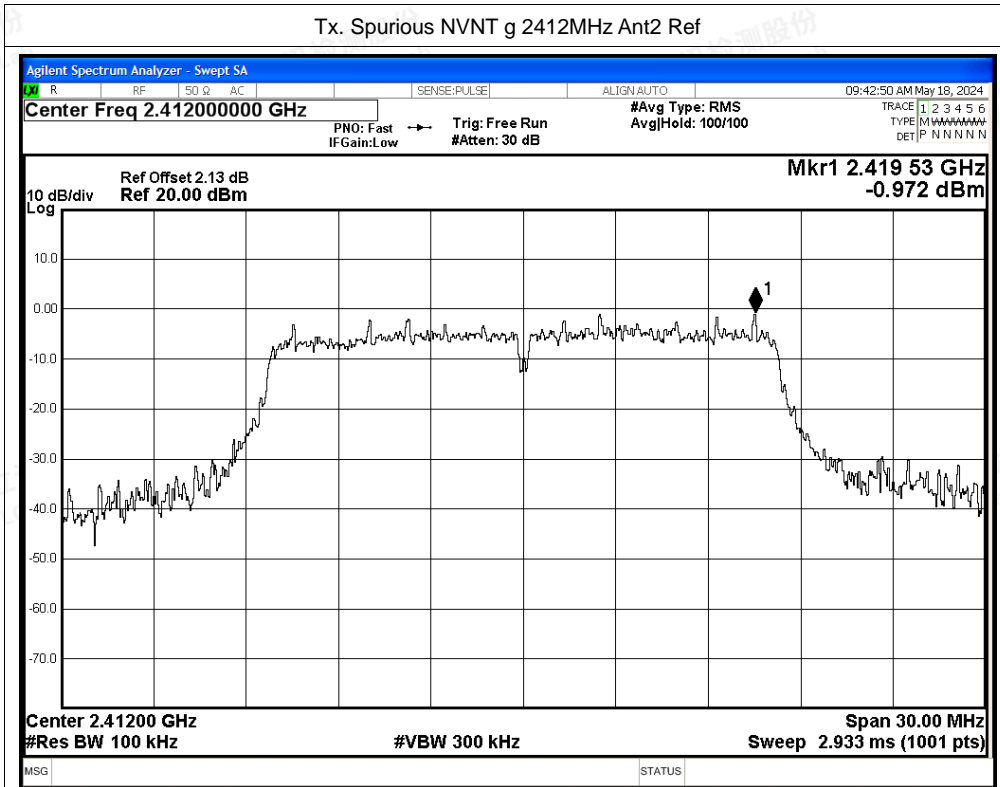


Tx. Spurious NVNT b 2462MHz Ant2 Emission

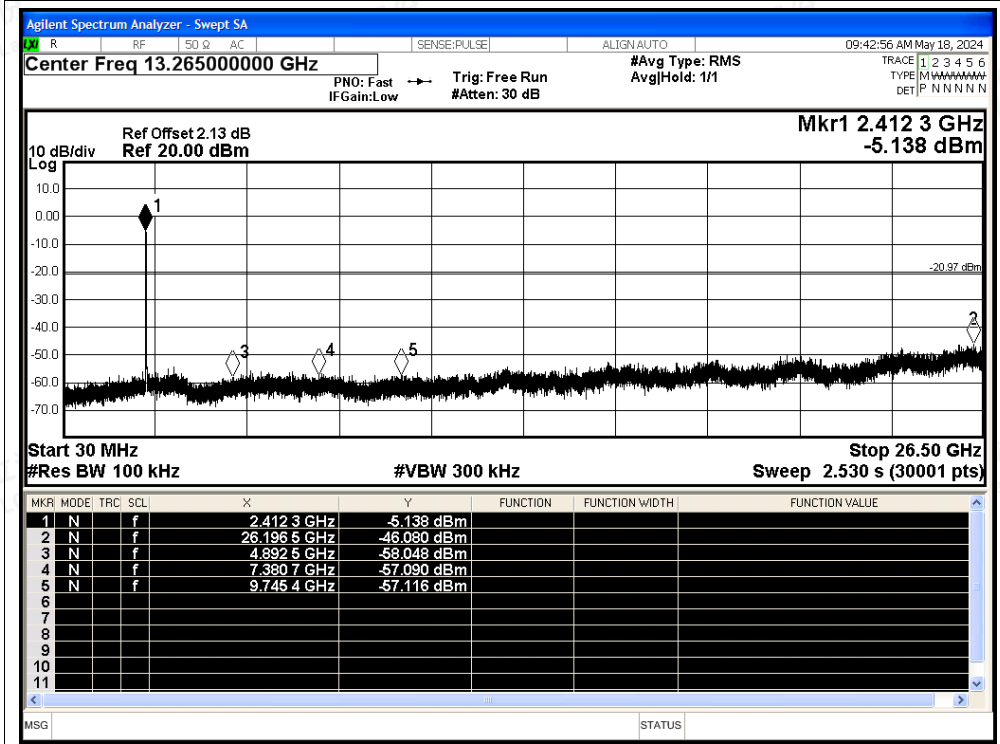




Tx. Spurious NVNT g 2412MHz Ant2 Ref

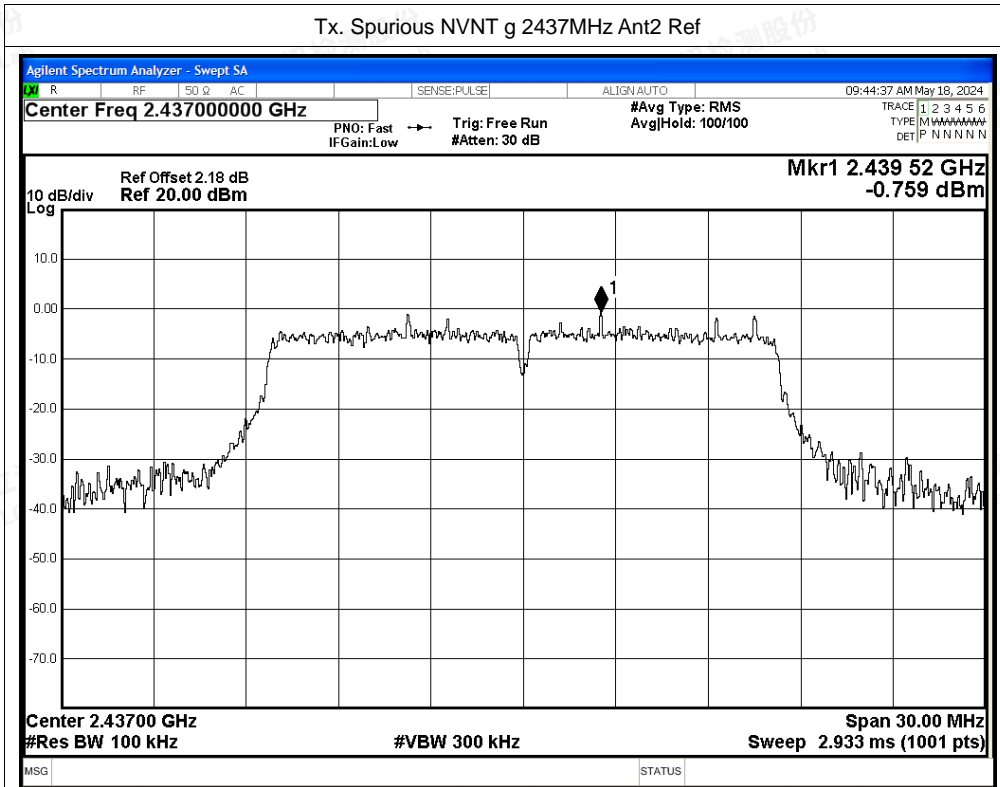


Tx. Spurious NVNT g 2412MHz Ant2 Emission

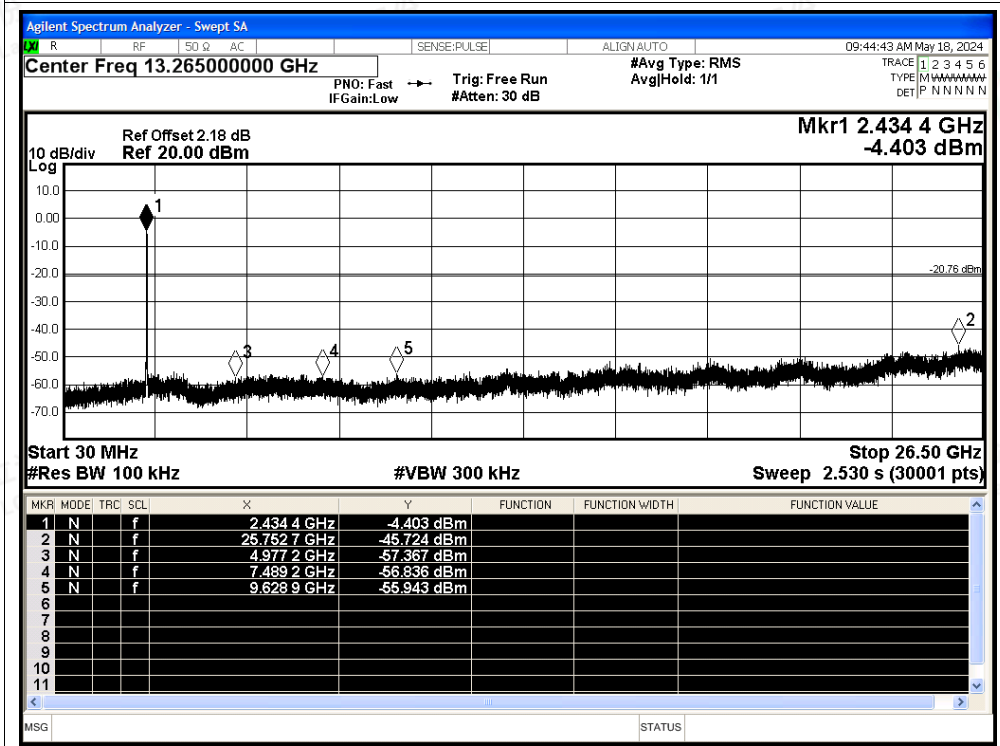




Tx. Spurious NVNT g 2437MHz Ant2 Ref

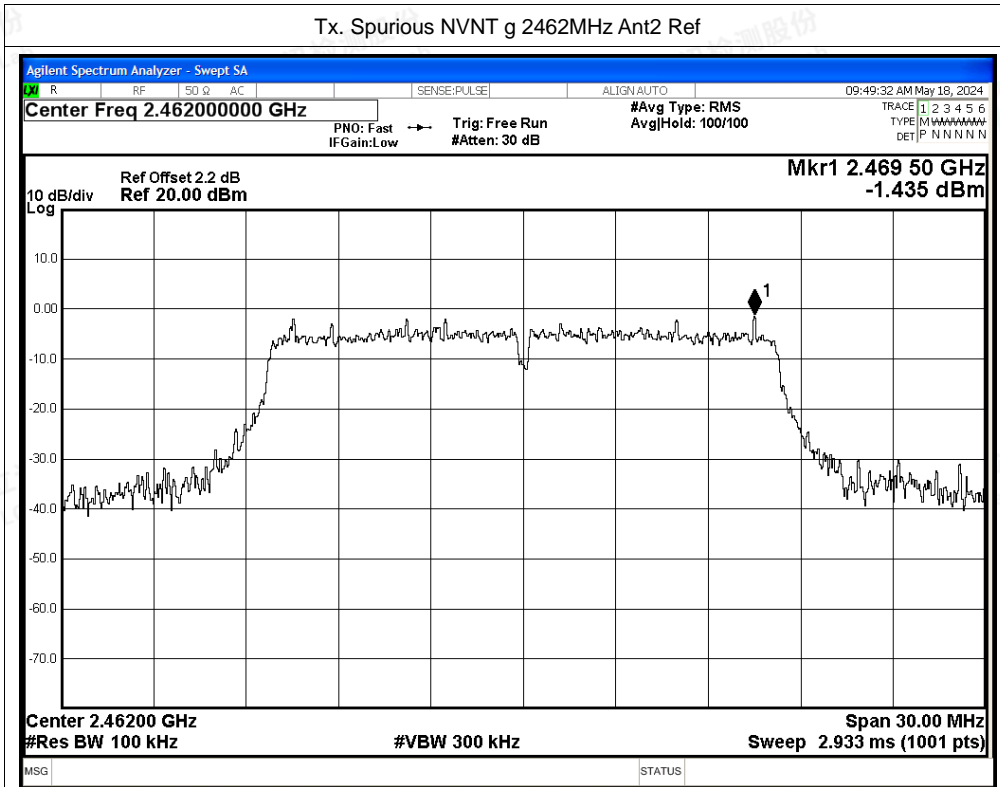


Tx. Spurious NVNT g 2437MHz Ant2 Emission

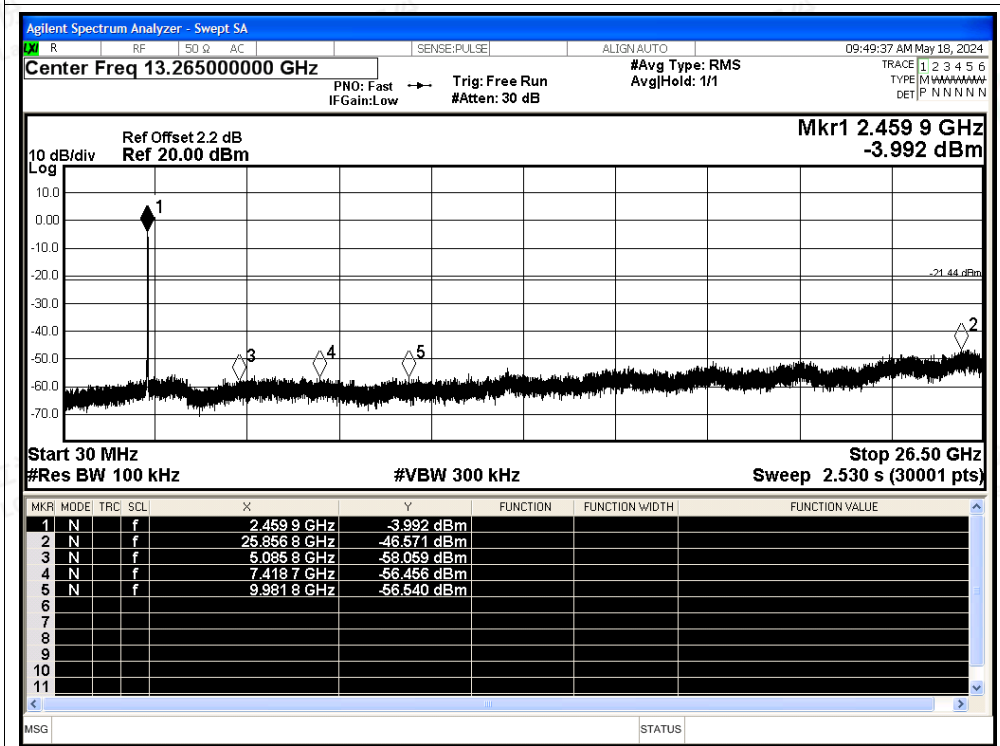




Tx. Spurious NVNT g 2462MHz Ant2 Ref

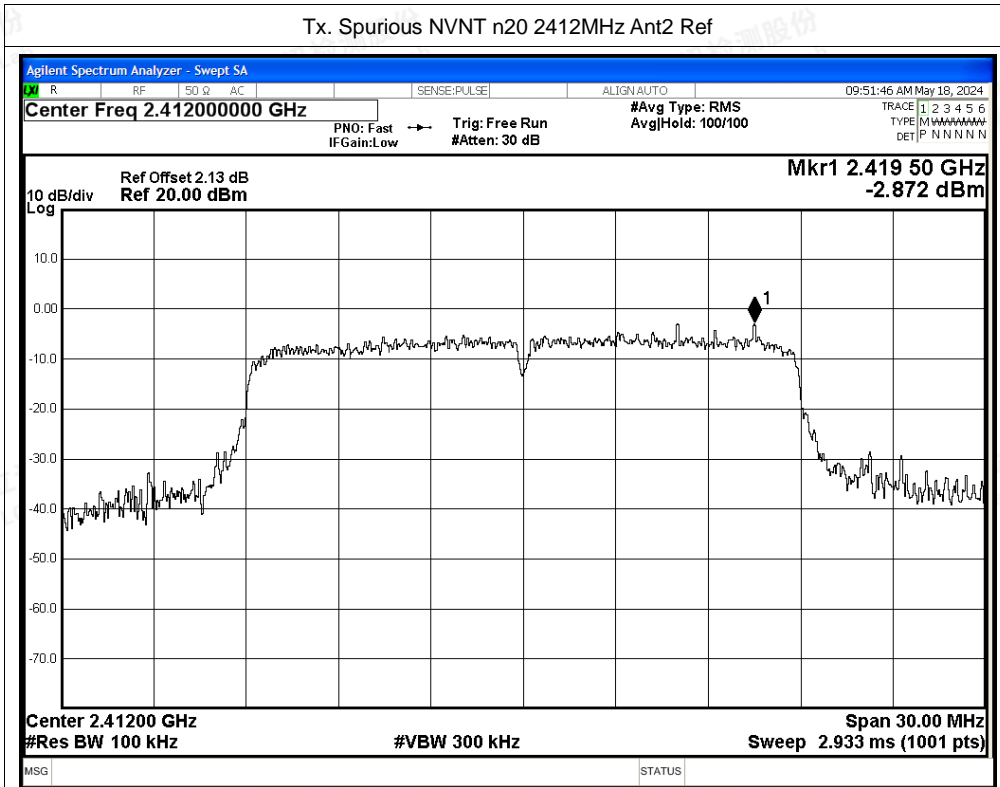


Tx. Spurious NVNT g 2462MHz Ant2 Emission

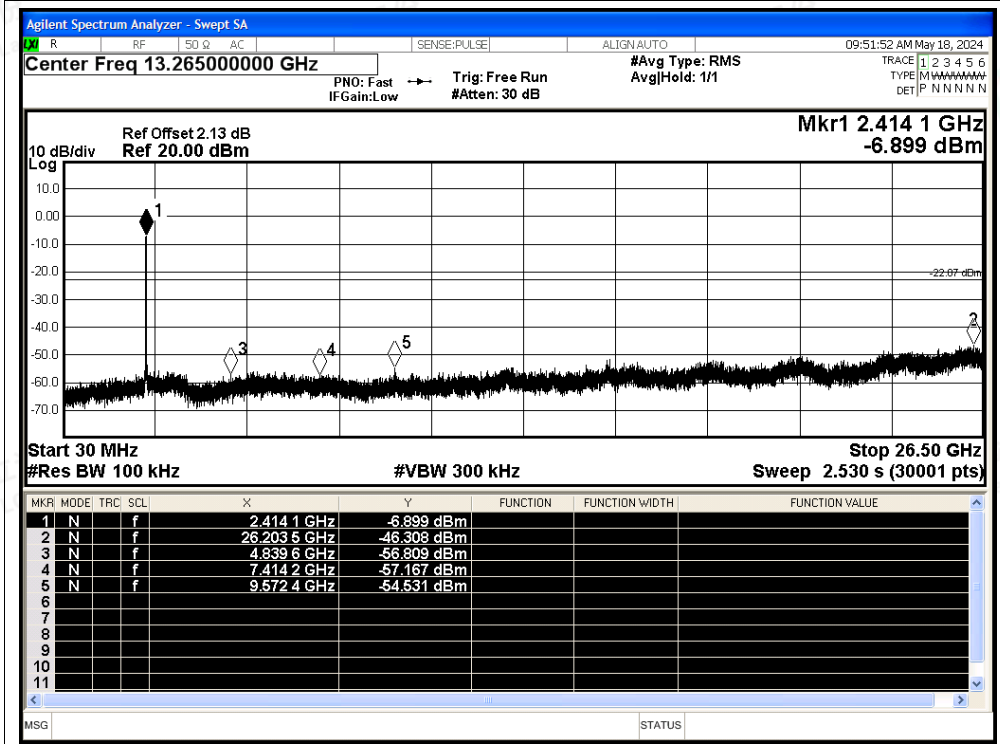




Tx. Spurious NVNT n20 2412MHz Ant2 Ref

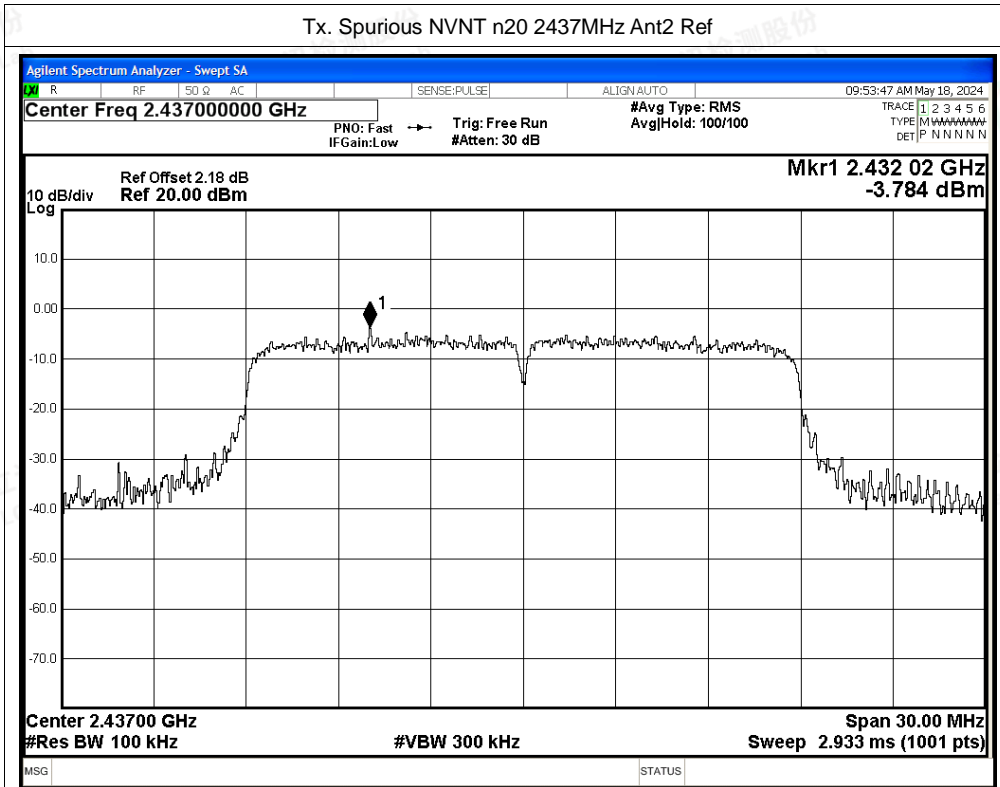


Tx. Spurious NVNT n20 2412MHz Ant2 Emission

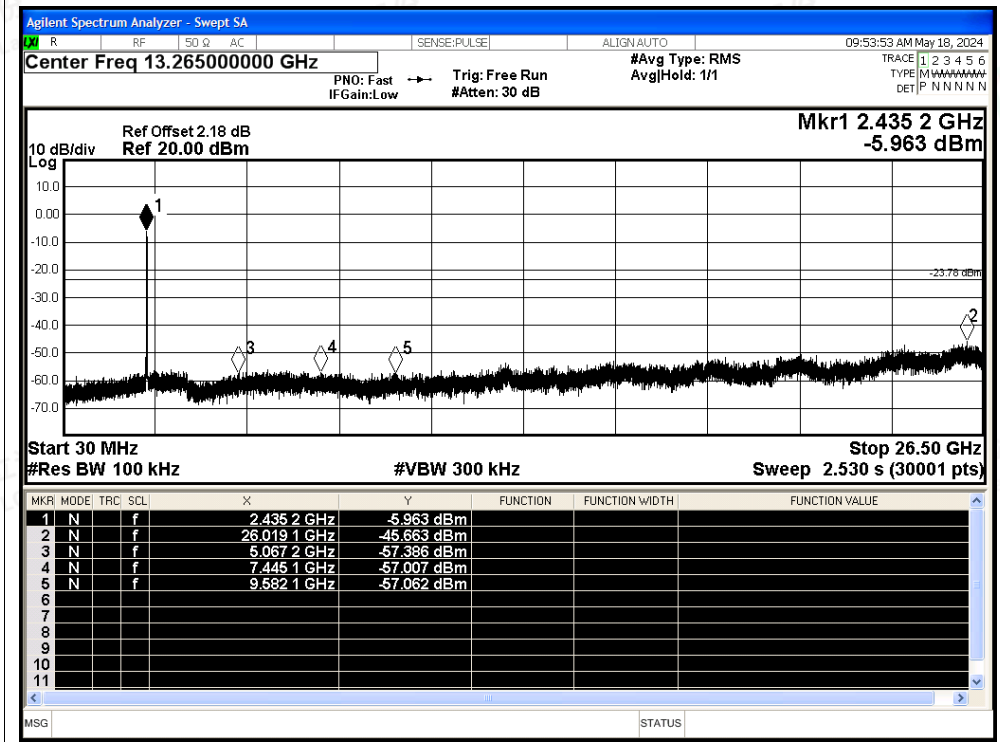




Tx. Spurious NVNT n20 2437MHz Ant2 Ref

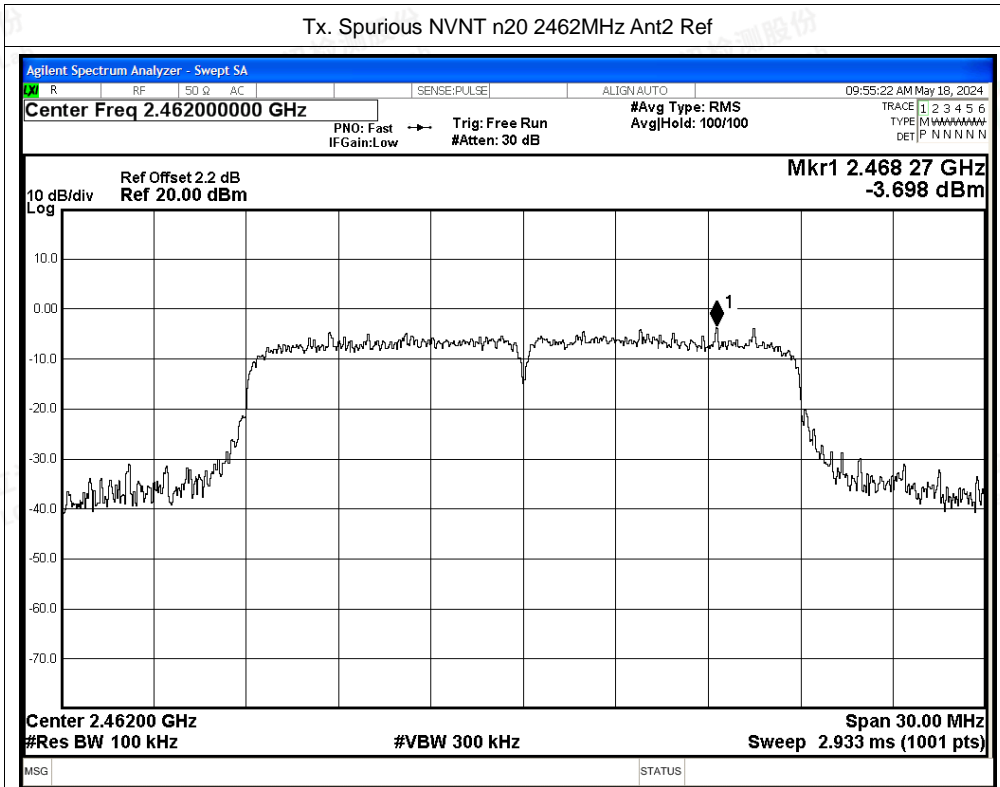


Tx. Spurious NVNT n20 2437MHz Ant2 Emission

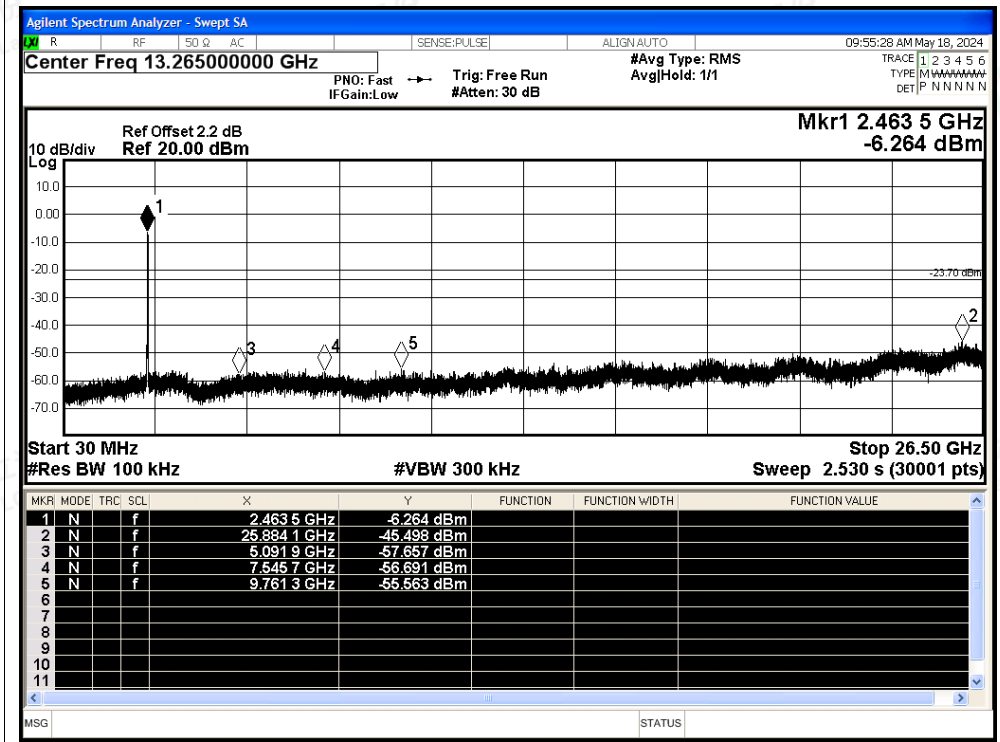




Tx. Spurious NVNT n20 2462MHz Ant2 Ref

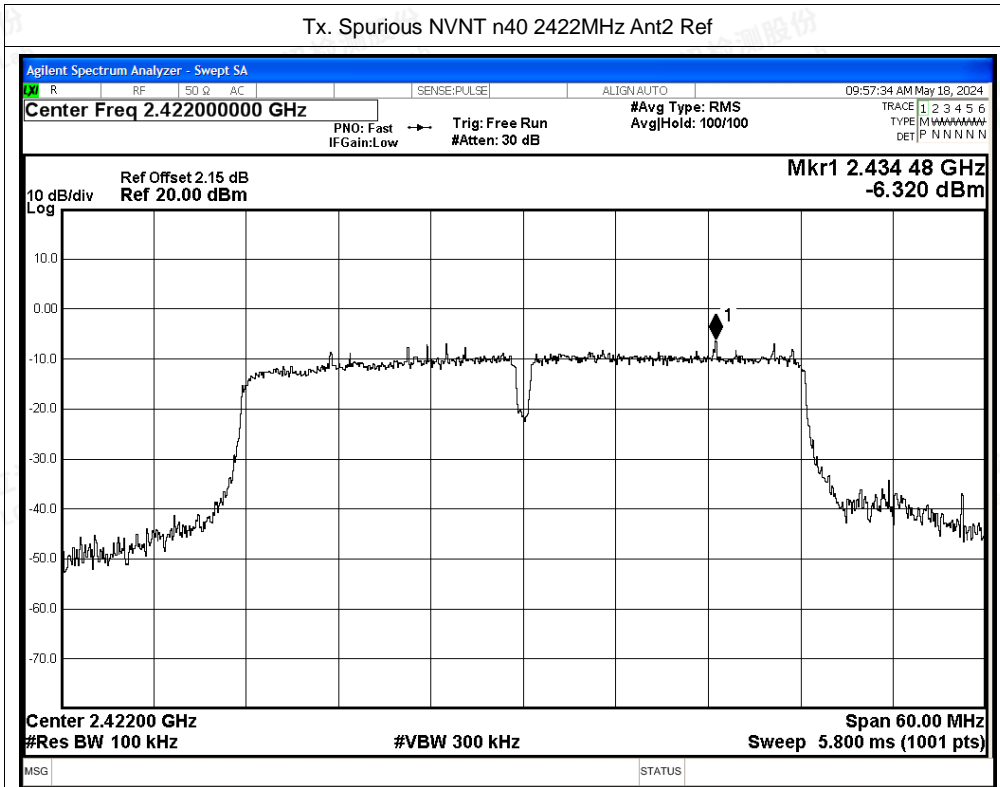


Tx. Spurious NVNT n20 2462MHz Ant2 Emission

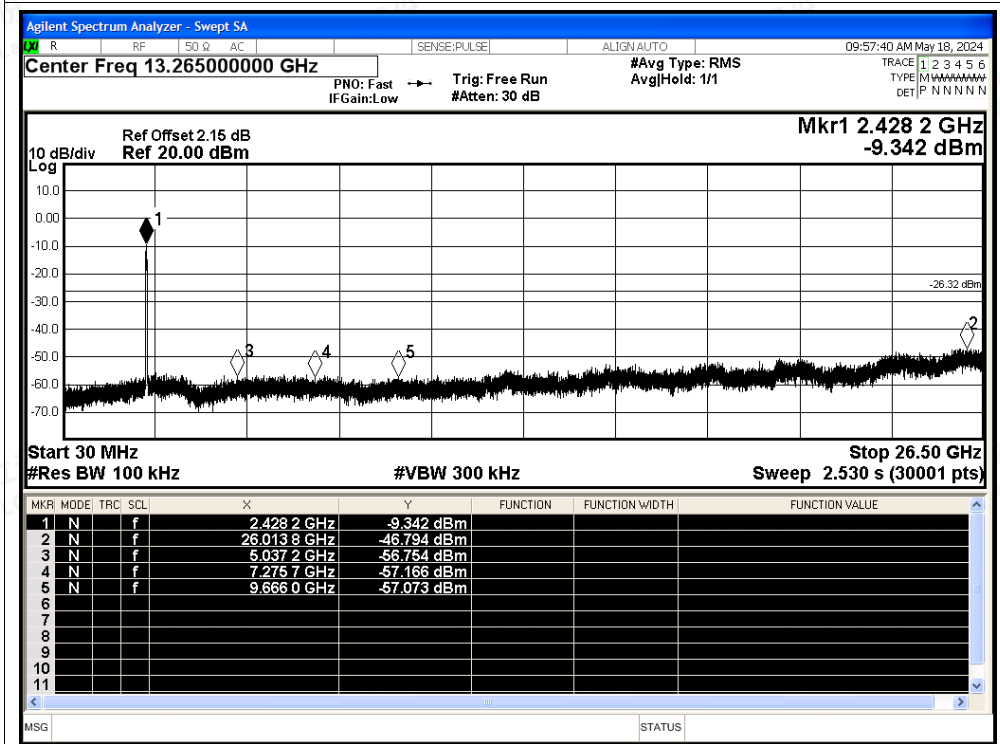




Tx. Spurious NVNT n40 2422MHz Ant2 Ref

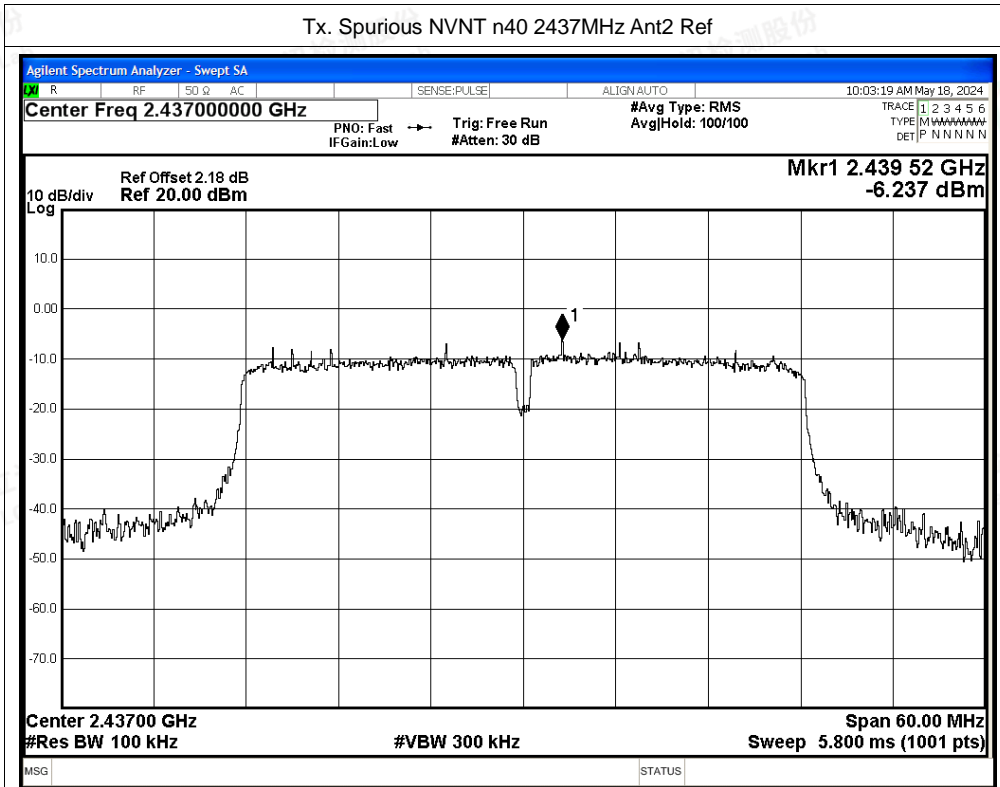


Tx. Spurious NVNT n40 2422MHz Ant2 Emission

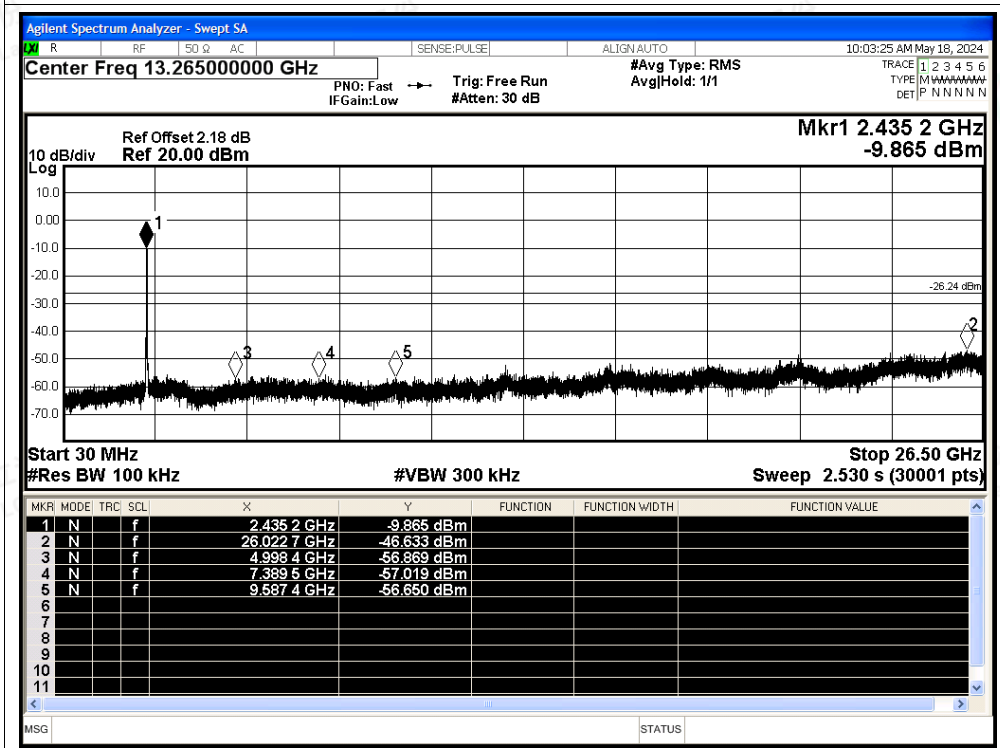




Tx. Spurious NVNT n40 2437MHz Ant2 Ref

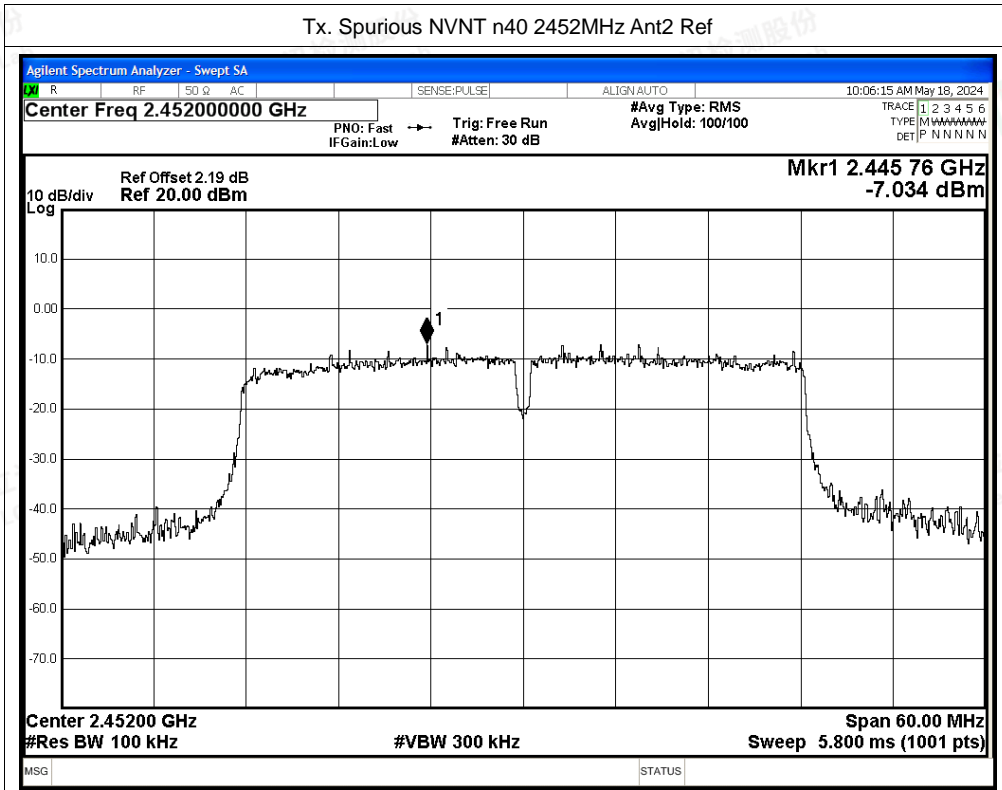


Tx. Spurious NVNT n40 2437MHz Ant2 Emission

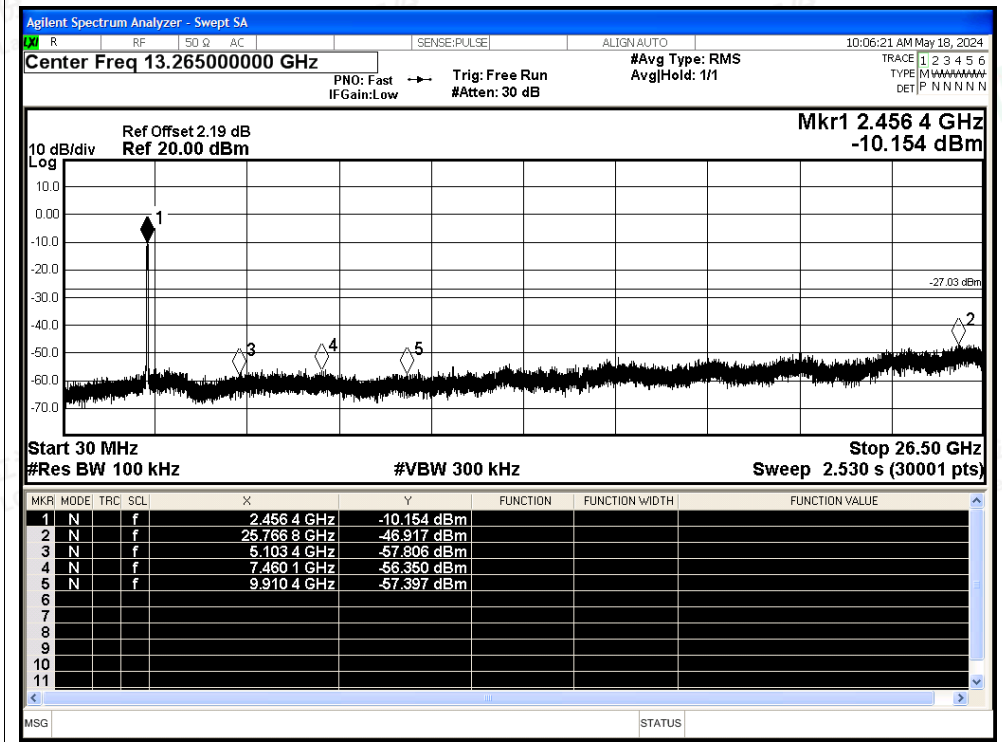




Tx. Spurious NVNT n40 2452MHz Ant2 Ref



Tx. Spurious NVNT n40 2452MHz Ant2 Emission





C.6 Duty Cycle

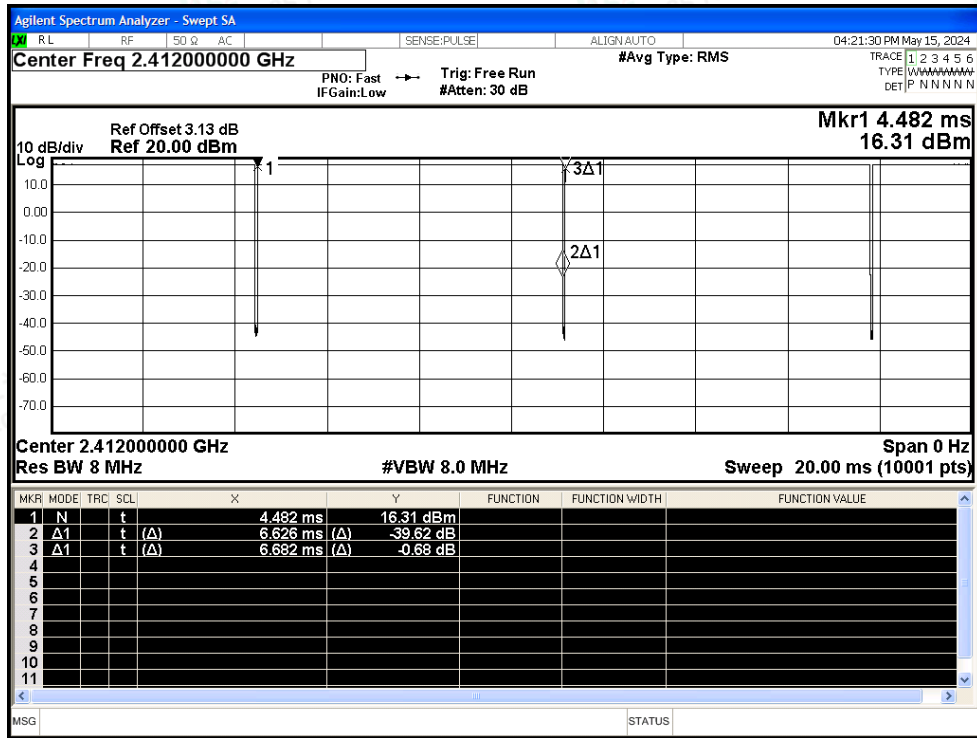
| Condition | Mode | Frequency (MHz) | Antenna | Duty Cycle (%) | Correction Factor (dB) | 1/T (kHz) |
|-----------|------|-----------------|---------|----------------|------------------------|-----------|
| NVNT | b | 2412 | Ant1 | 99.16 | 0 | 0.15 |
| NVNT | b | 2437 | Ant1 | 99.16 | 0 | 0.15 |
| NVNT | b | 2462 | Ant1 | 99.16 | 0 | 0.15 |
| NVNT | g | 2412 | Ant1 | 97.04 | 0.13 | 0.49 |
| NVNT | g | 2437 | Ant1 | 97.04 | 0.13 | 0.49 |
| NVNT | g | 2462 | Ant1 | 97.04 | 0.13 | 0.49 |
| NVNT | n20 | 2412 | Ant1 | 97.05 | 0.13 | 0.49 |
| NVNT | n20 | 2437 | Ant1 | 96.96 | 0.13 | 0.49 |
| NVNT | n20 | 2462 | Ant1 | 96.96 | 0.13 | 0.49 |
| NVNT | n40 | 2422 | Ant1 | 94.17 | 0.26 | 1 |
| NVNT | n40 | 2437 | Ant1 | 94.16 | 0.26 | 1 |
| NVNT | n40 | 2452 | Ant1 | 90.3 | 0.44 | 1.73 |



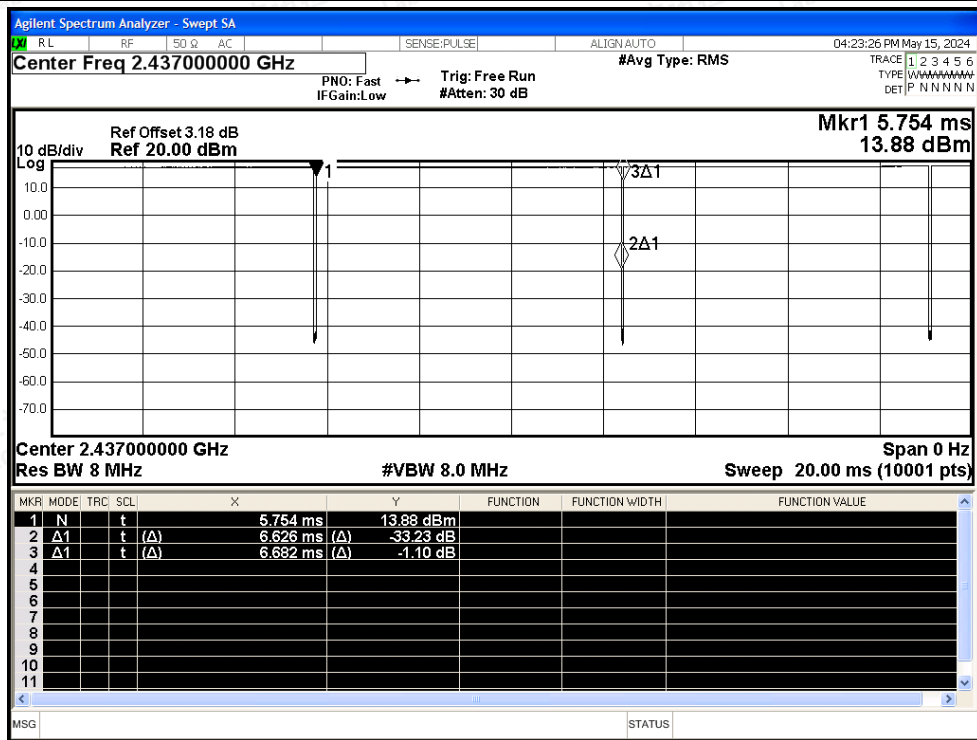


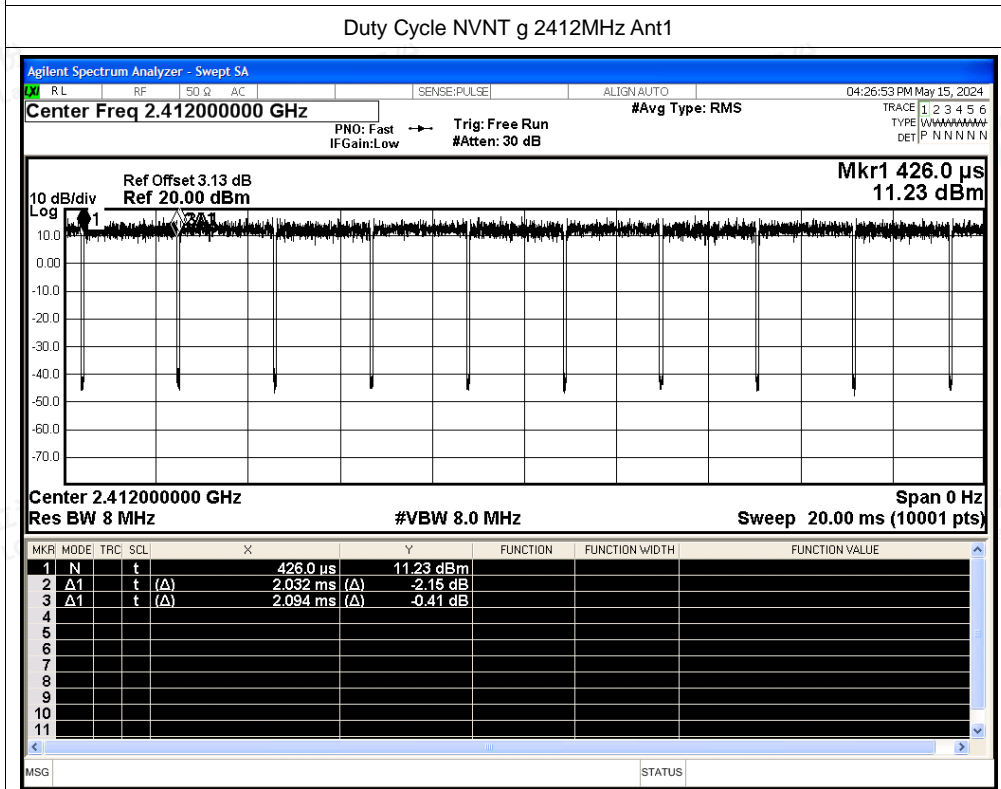
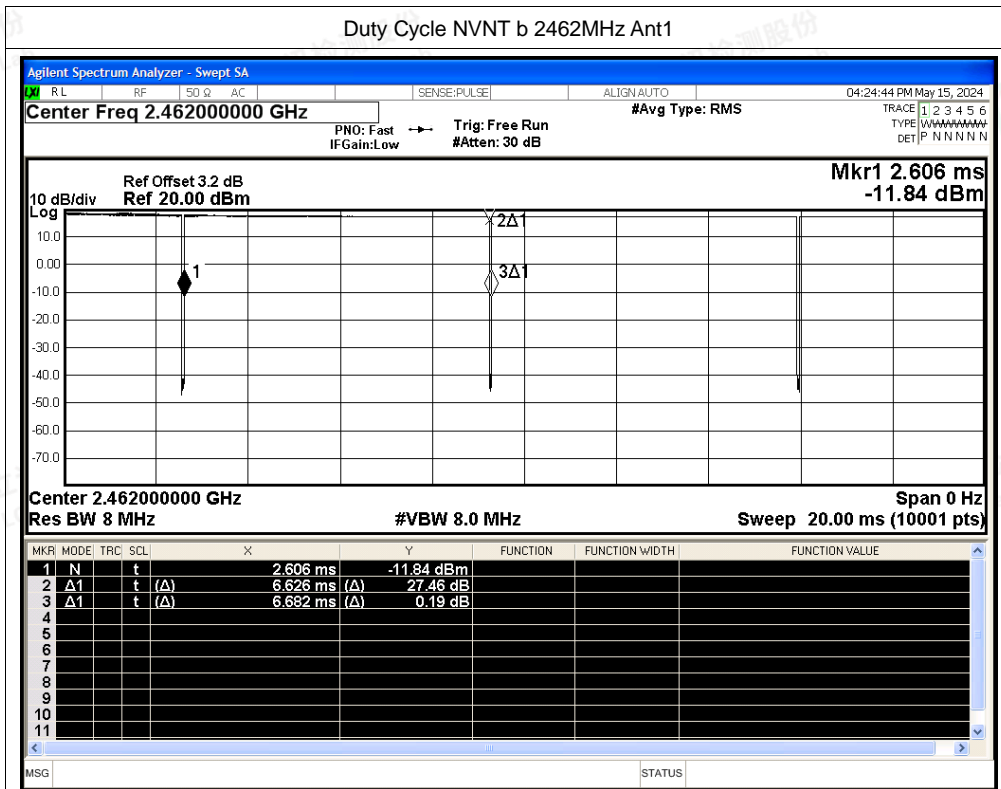
Test Graphs

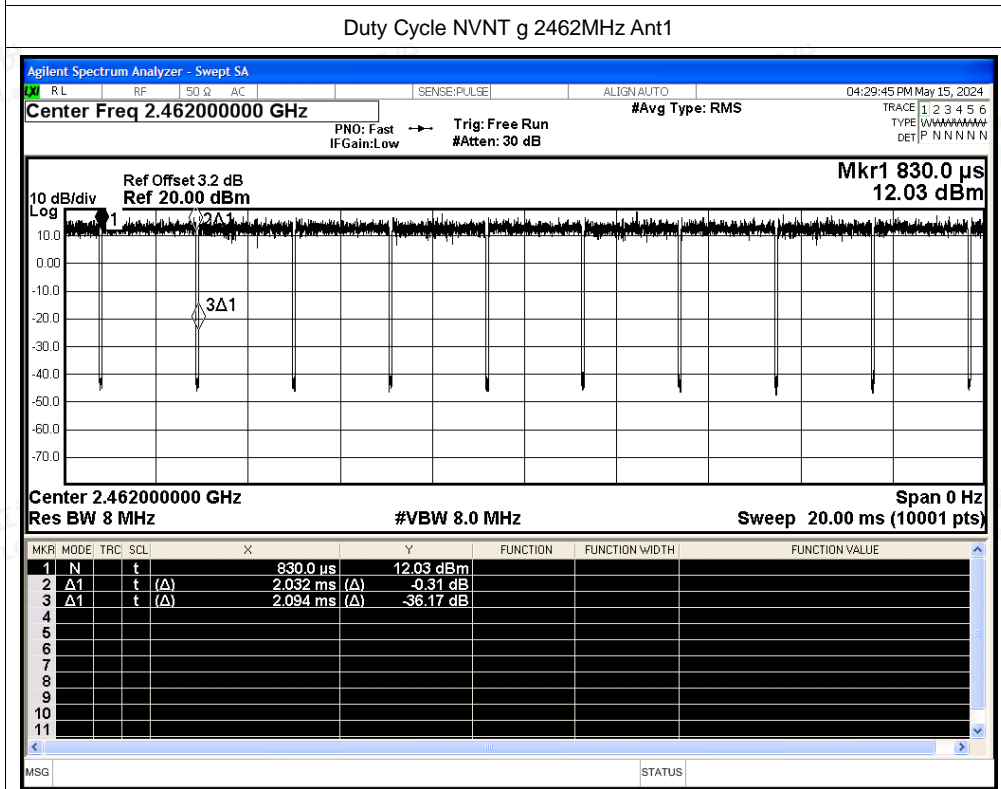
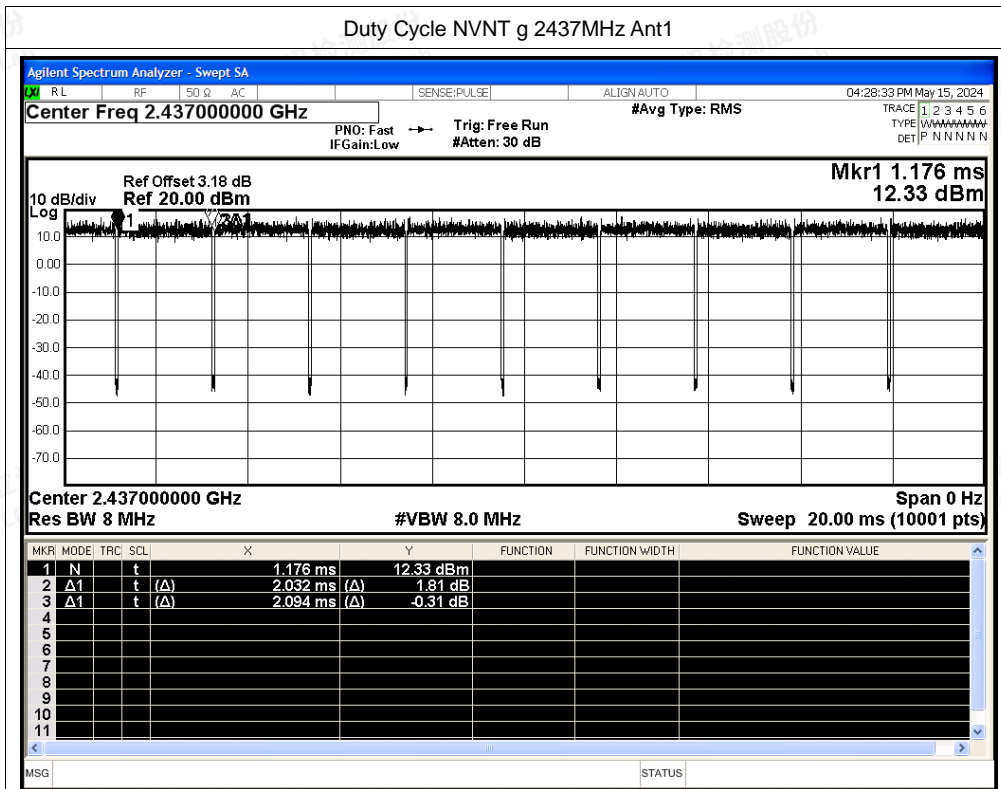
Duty Cycle NVNT b 2412MHz Ant1

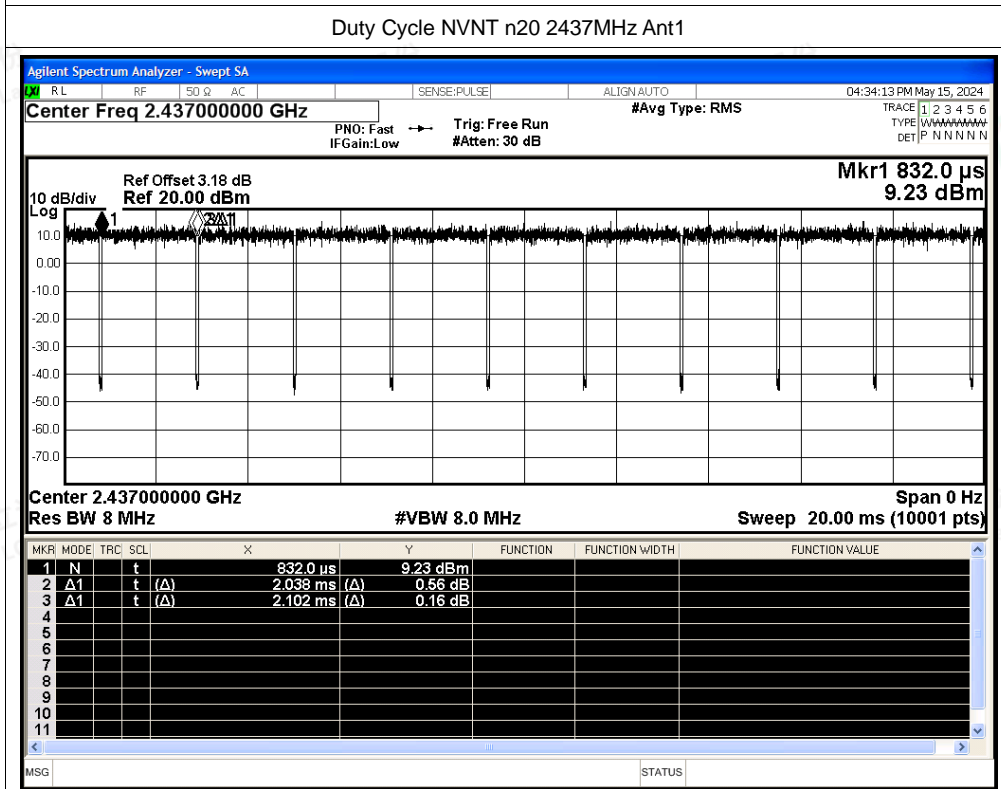
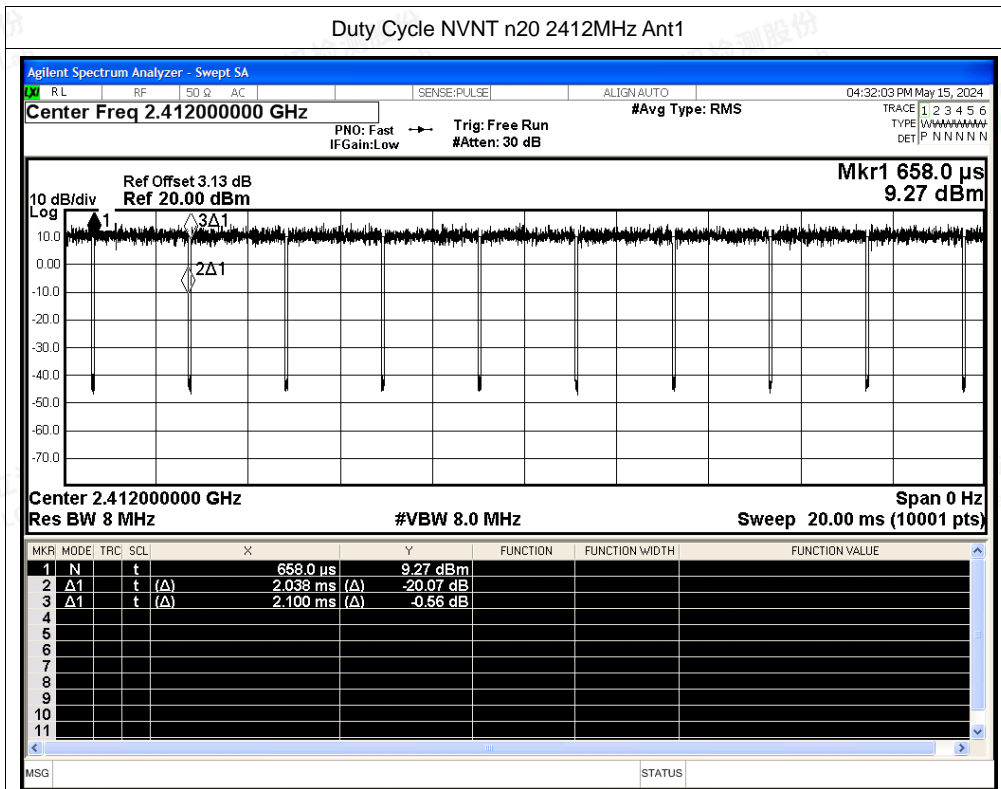


Duty Cycle NVNT b 2437MHz Ant1



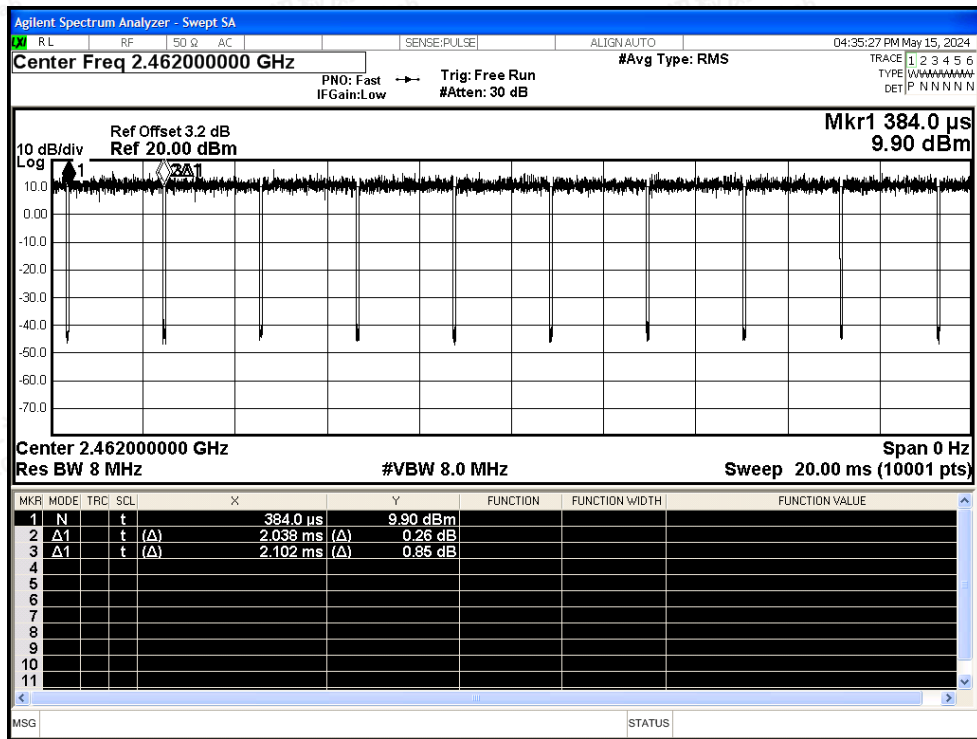






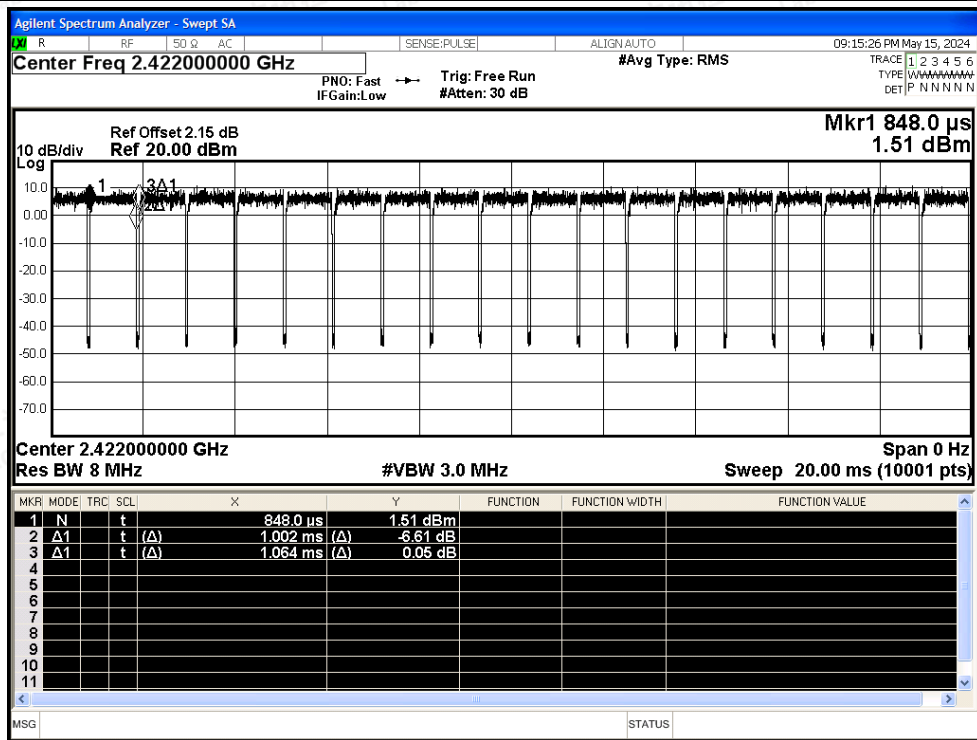


Duty Cycle NVNT n20 2462MHz Ant1



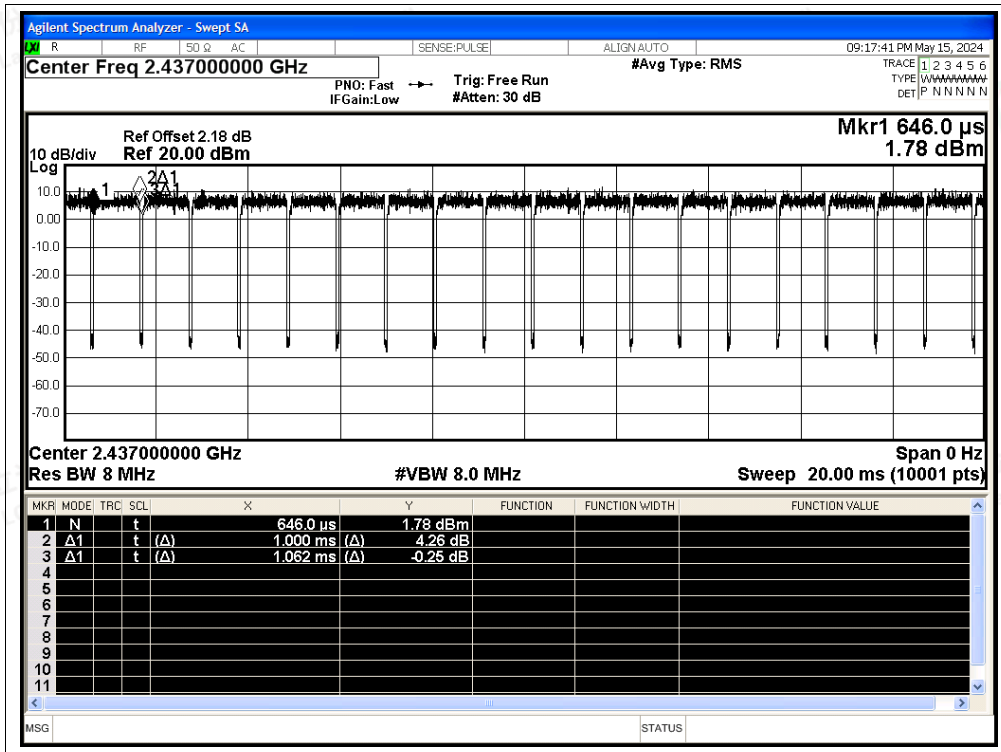
Test Graphs

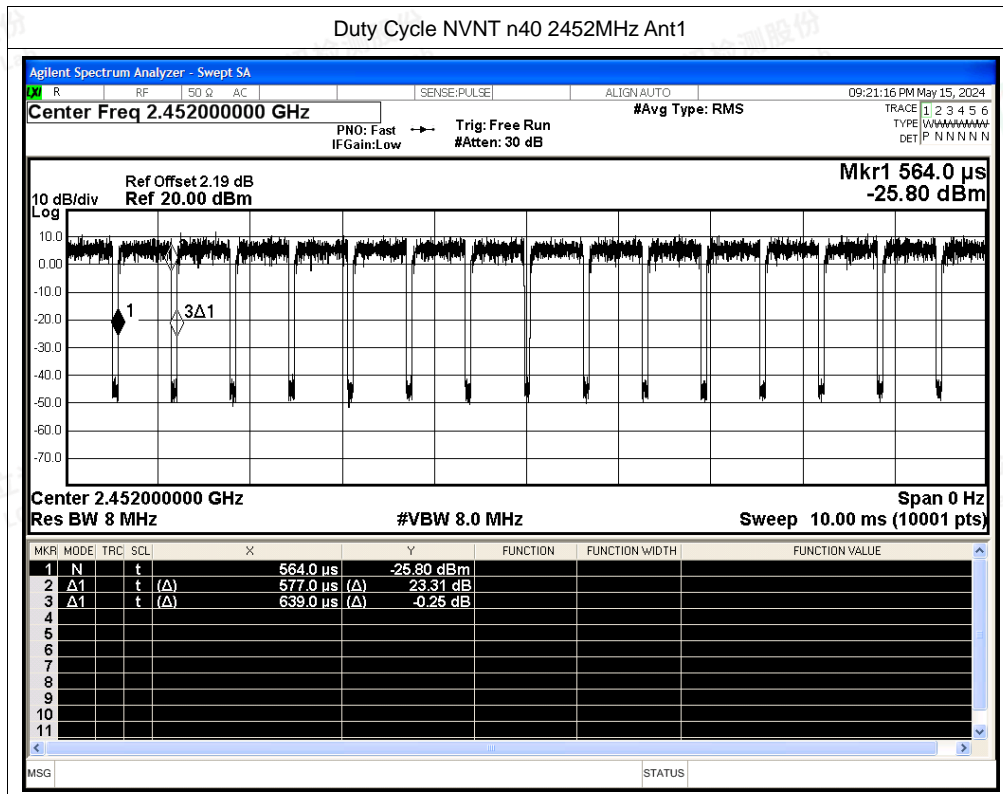
Duty Cycle NVNT n40 2422MHz Ant1



Duty Cycle NVNT n40 2437MHz Ant1







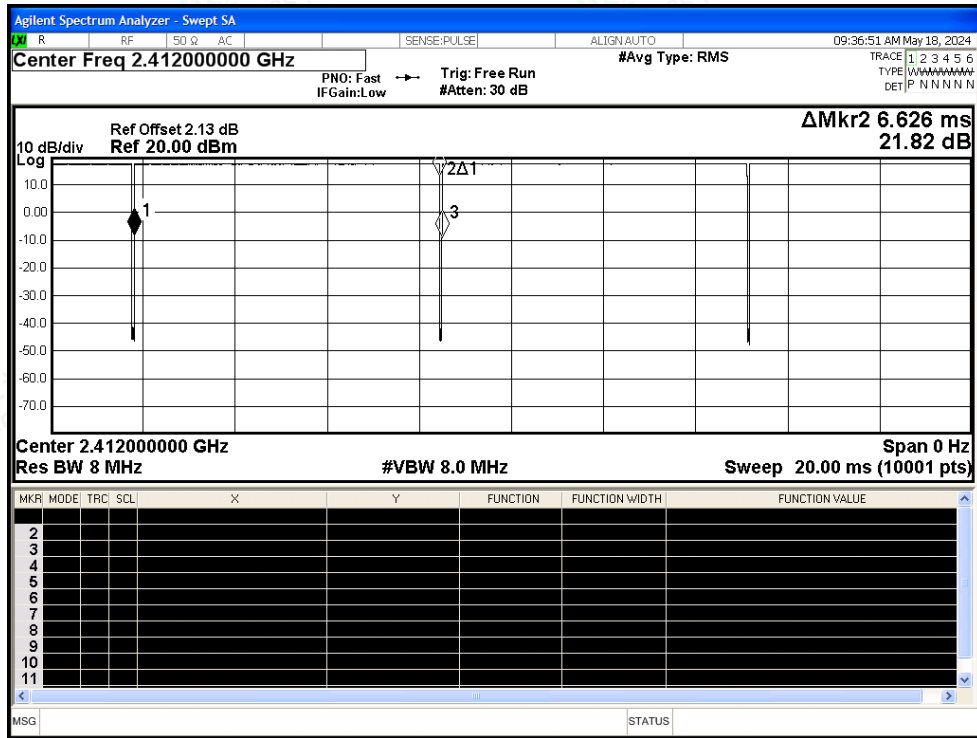
| Condition | Mode | Frequency (MHz) | Antenna | Duty Cycle (%) | Correction Factor (dB) | 1/T (kHz) |
|-----------|------|-----------------|---------|----------------|------------------------|-----------|
| NVNT | b | 2412 | Ant2 | 99.16 | 0 | 0.15 |
| NVNT | b | 2437 | Ant2 | 99.13 | 0 | 0.15 |
| NVNT | b | 2462 | Ant2 | 99.16 | 0 | 0.15 |
| NVNT | g | 2412 | Ant2 | 97.75 | 0.1 | 0.37 |
| NVNT | g | 2437 | Ant2 | 97.68 | 0.1 | 0.37 |
| NVNT | g | 2462 | Ant2 | 97.75 | 0.1 | 0.37 |
| NVNT | n20 | 2412 | Ant2 | 97.25 | 0.12 | 0.44 |
| NVNT | n20 | 2437 | Ant2 | 97.33 | 0.12 | 0.44 |
| NVNT | n20 | 2462 | Ant2 | 97.25 | 0.12 | 0.44 |
| NVNT | n40 | 2422 | Ant2 | 97.23 | 0.12 | 0.46 |
| NVNT | n40 | 2437 | Ant2 | 97.23 | 0.12 | 0.46 |
| NVNT | n40 | 2452 | Ant2 | 97.23 | 0.12 | 0.46 |



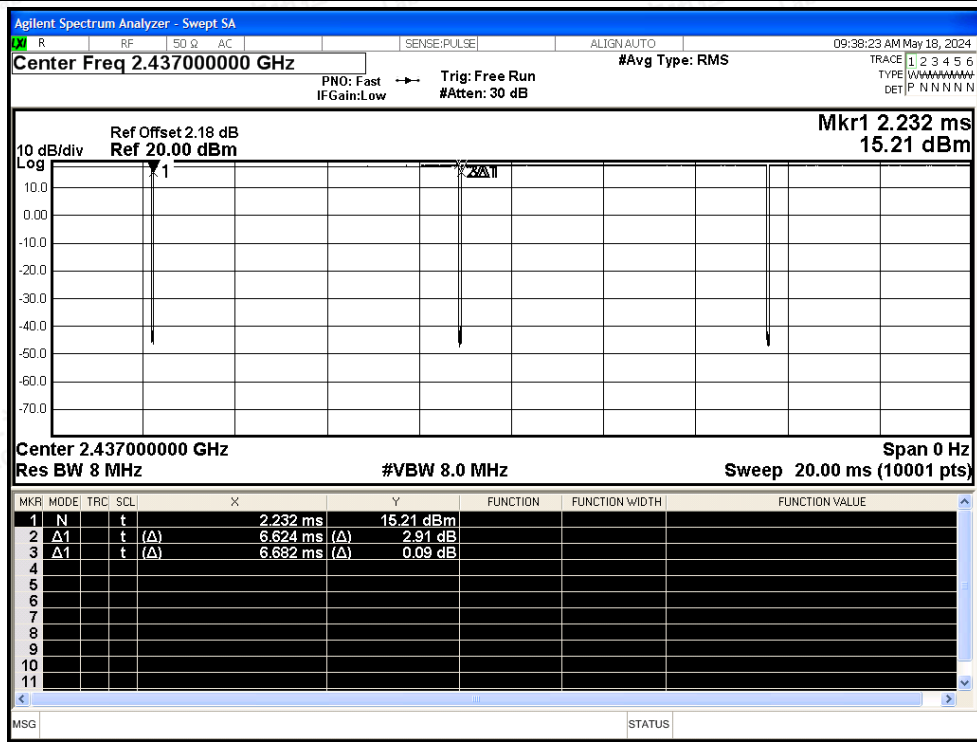


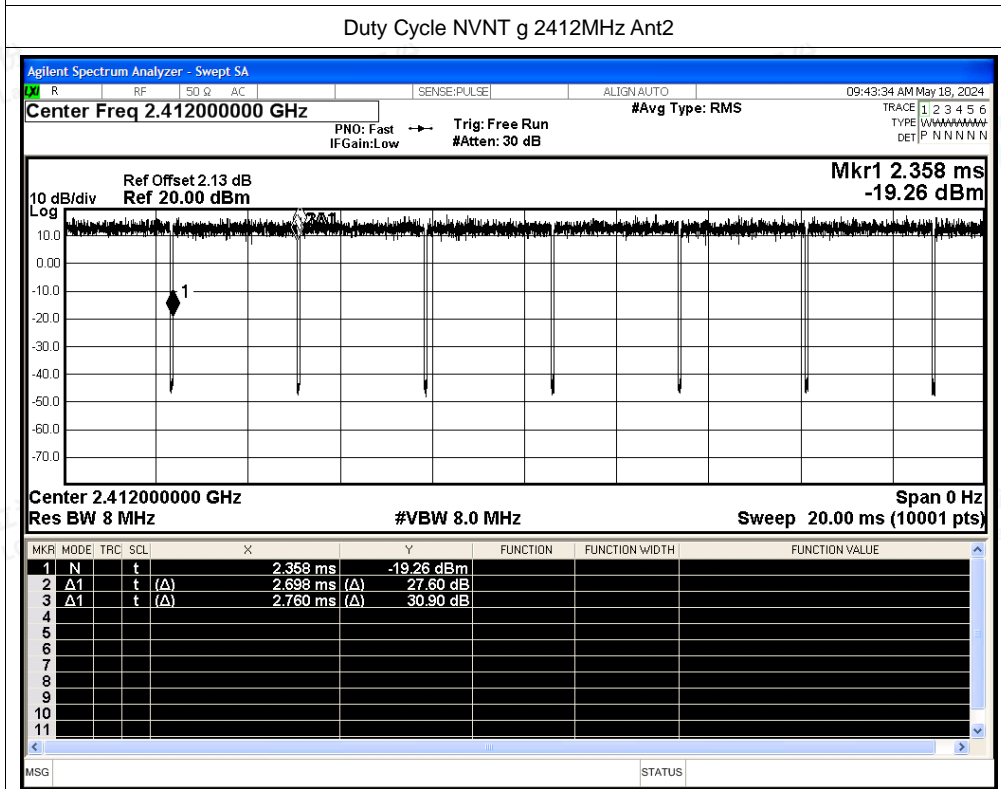
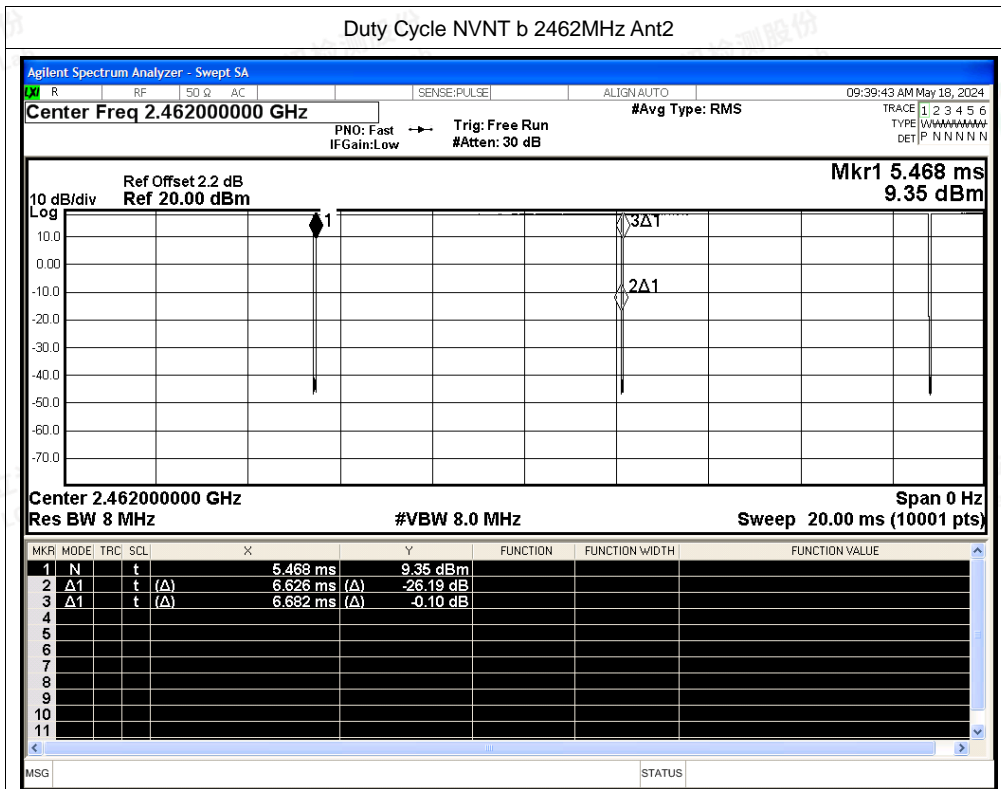
Test Graphs

Duty Cycle NVNT b 2412MHz Ant2



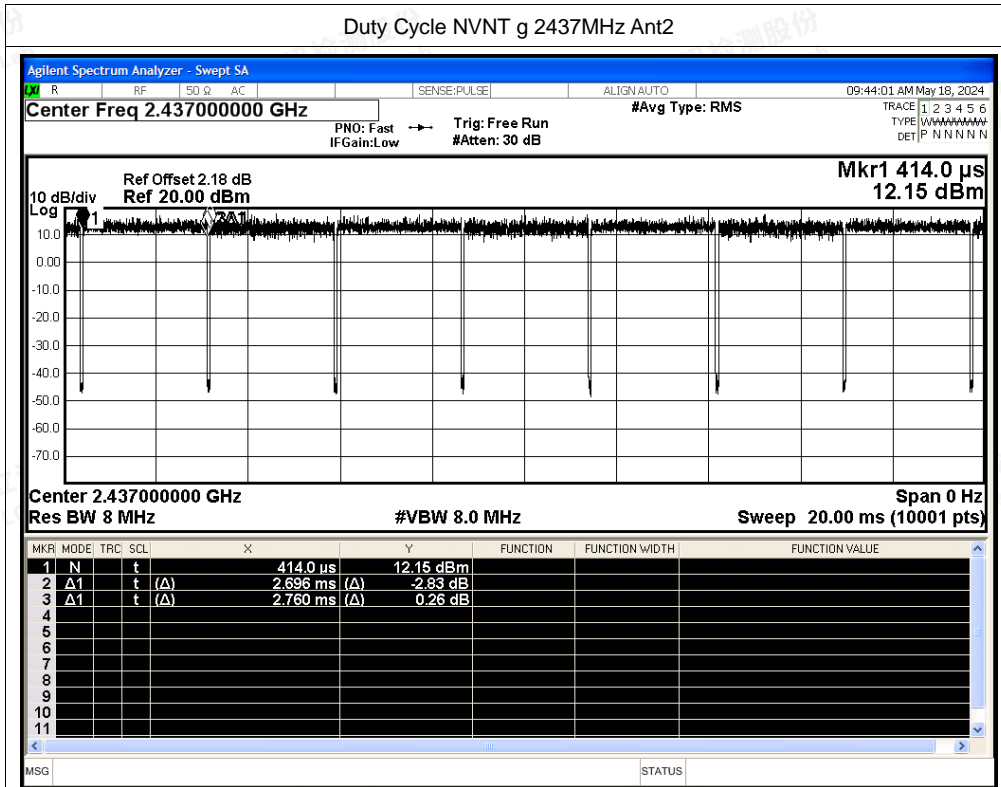
Duty Cycle NVNT b 2437MHz Ant2



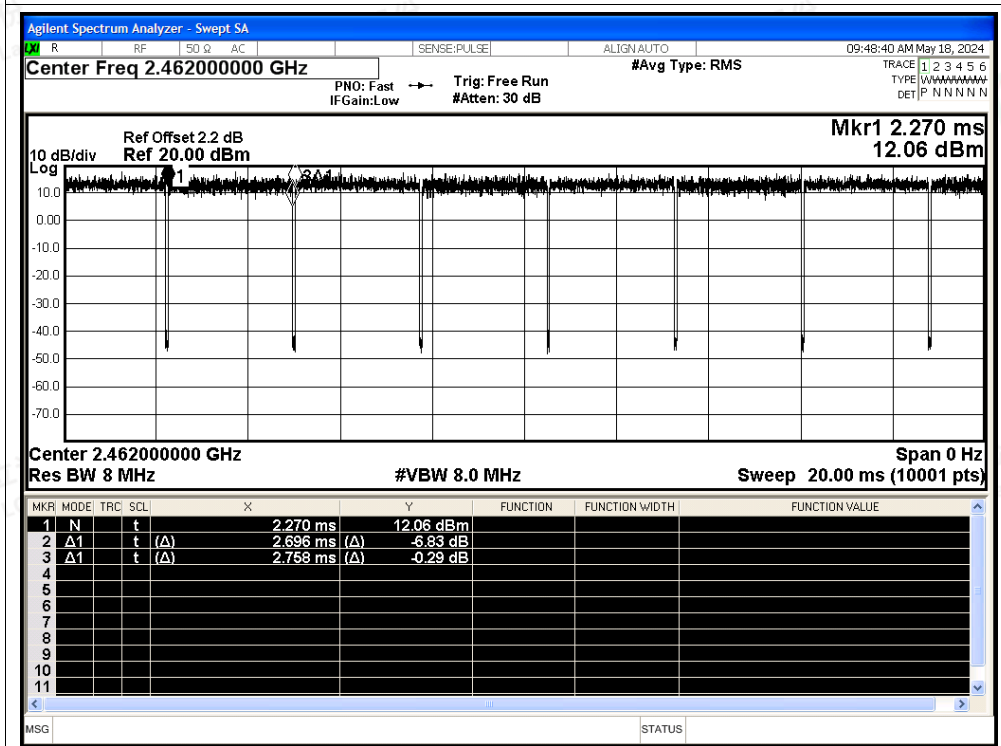




Duty Cycle NVNT g 2437MHz Ant2

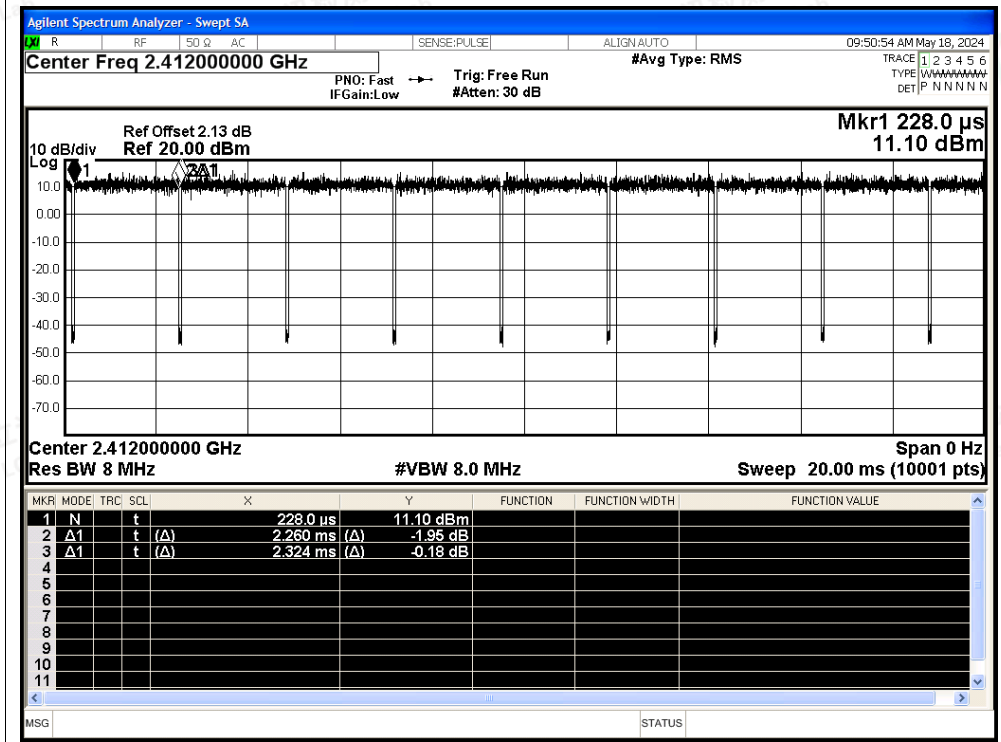


Duty Cycle NVNT g 2462MHz Ant2

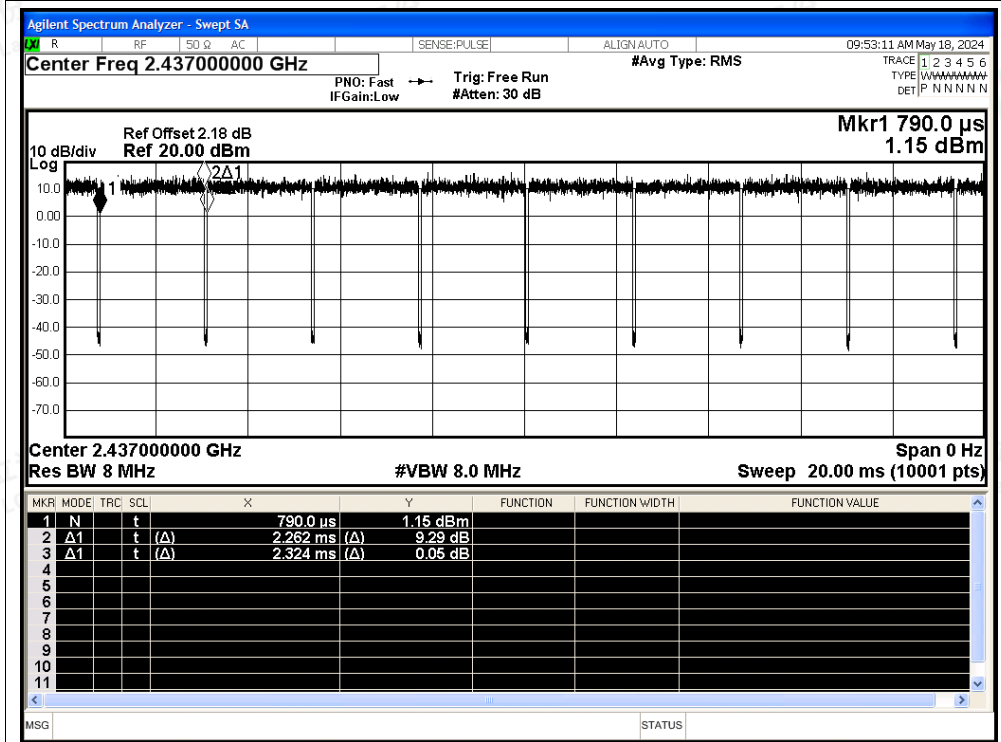




Duty Cycle NVNT n20 2412MHz Ant2

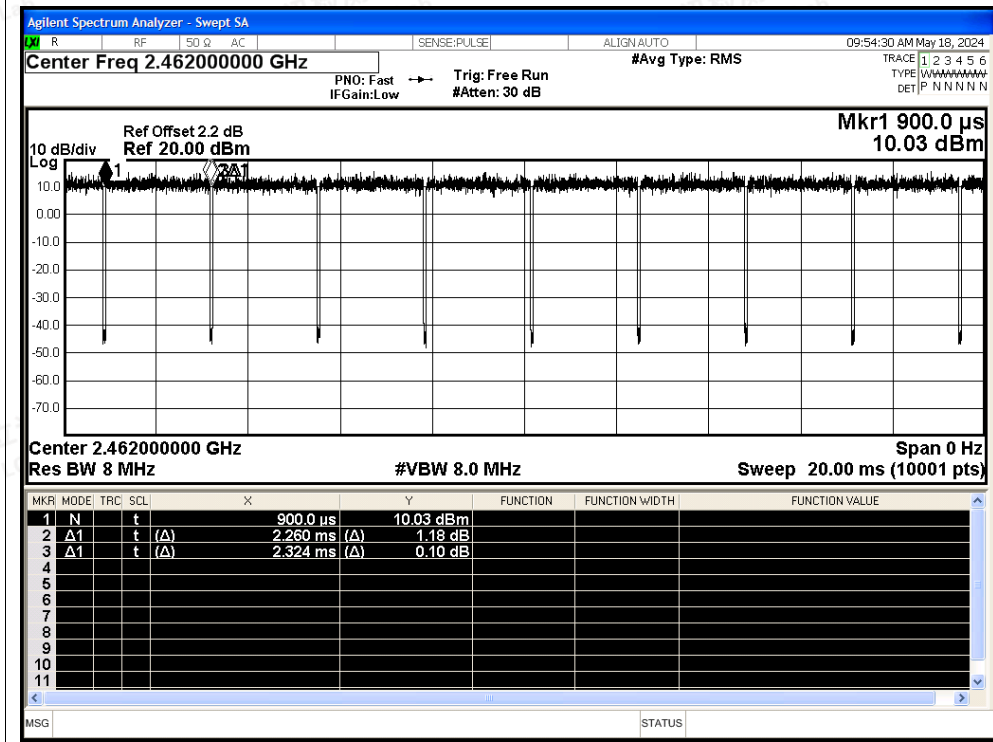


Duty Cycle NVNT n20 2437MHz Ant2

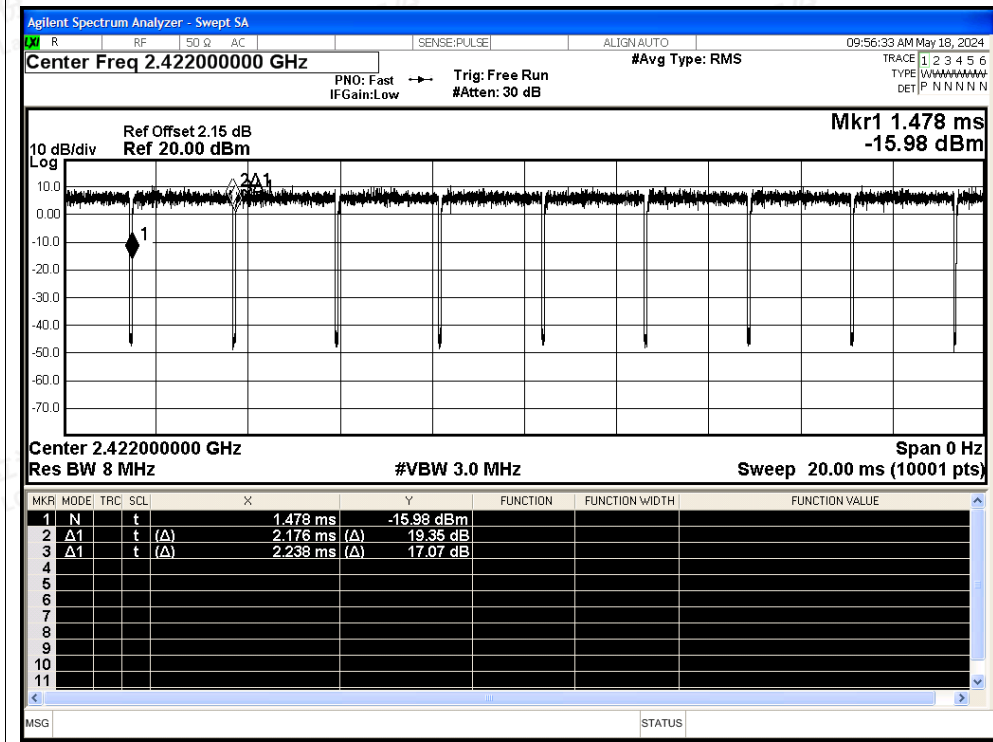




Duty Cycle NVNT n20 2462MHz Ant2

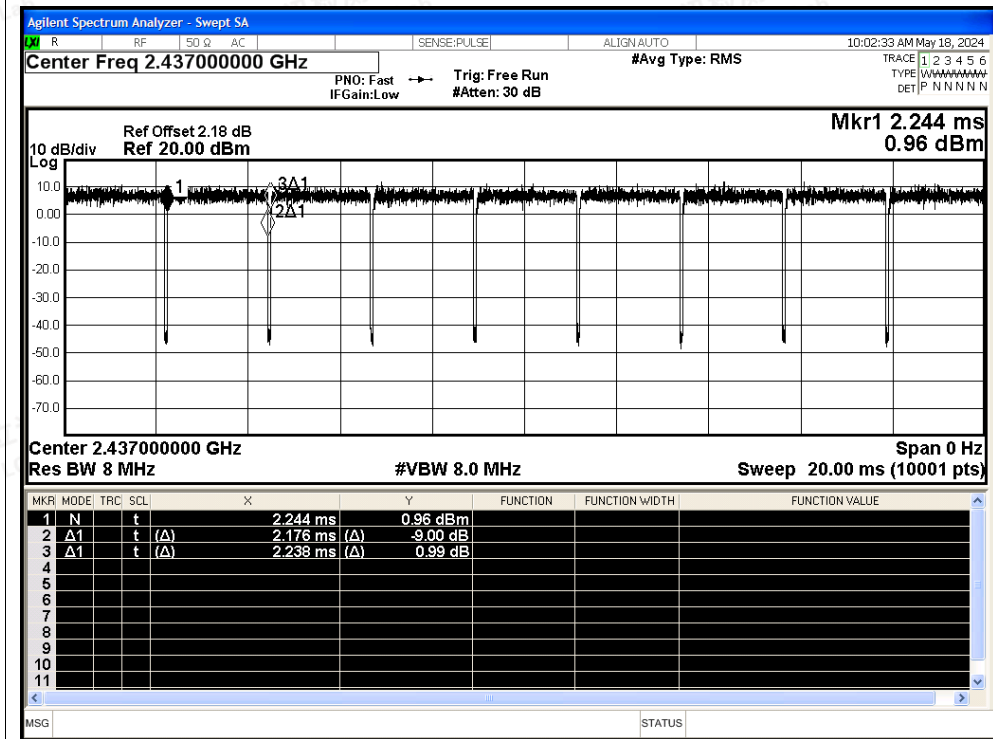


Duty Cycle NVNT n40 2422MHz Ant2

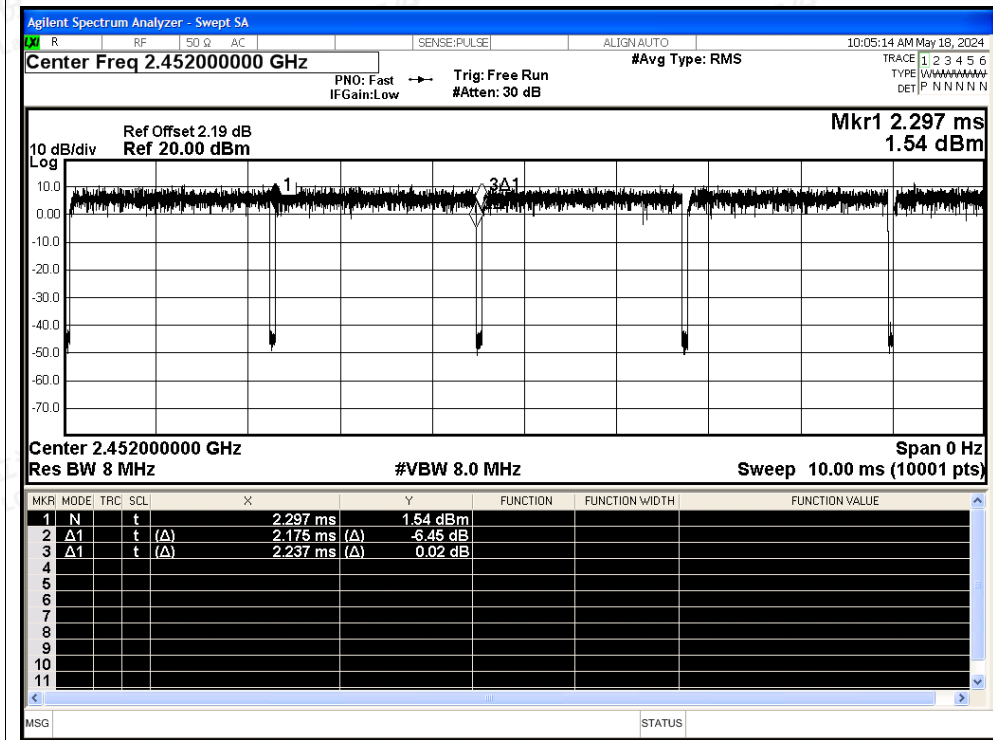




Duty Cycle NVNT n40 2437MHz Ant2



Duty Cycle NVNT n40 2452MHz Ant2





C.7 Restrict Band

| Condition | Mode | Frequency (MHz) | Spur Freq (MHz) | Power (dBm) | Gain (dBi) | Duty Factor (dB) | E (dBuV/m) | Detector | Limit (dBuV/m) | Verdict |
|-----------|---------|-----------------|-----------------|-------------|------------|------------------|------------|----------|----------------|---------|
| NVNT | b | 2412 | 2310 | -48.95 | 2 | - | 48.31 | Peak | 74 | Pass |
| NVNT | b | 2412 | 2310 | -57.62 | 2 | 0 | 39.64 | Average | 54 | Pass |
| NVNT | b | 2412 | 2389.677 | -43.48 | 2 | - | 53.78 | Peak | 74 | Pass |
| NVNT | b | 2412 | 2389.56 | -54.63 | 2 | 0 | 42.63 | Average | 54 | Pass |
| NVNT | b | 2412 | 2390 | -46.81 | 2 | - | 50.45 | Peak | 74 | Pass |
| NVNT | b | 2412 | 2390 | -55.46 | 2 | 0 | 41.8 | Average | 54 | Pass |
| NVNT | b | 2462 | 2483.5 | -47.52 | 2 | - | 49.74 | Peak | 74 | Pass |
| NVNT | b | 2462 | 2483.5 | -53.98 | 2 | 0 | 43.28 | Average | 54 | Pass |
| NVNT | b | 2462 | 2485.796 | -39.66 | 2 | - | 57.6 | Peak | 74 | Pass |
| NVNT | b | 2462 | 2483.57 | -53.79 | 2 | 0 | 43.47 | Average | 54 | Pass |
| NVNT | b | 2462 | 2500 | -48.72 | 2 | - | 48.54 | Peak | 74 | Pass |
| NVNT | b | 2462 | 2500 | -56.94 | 2 | 0 | 40.32 | Average | 54 | Pass |
| NVNT | g | 2412 | 2310 | -50.12 | 2 | - | 47.14 | Peak | 74 | Pass |
| NVNT | g | 2412 | 2310 | -58.23 | 2 | 0.13 | 39.16 | Average | 54 | Pass |
| NVNT | g | 2412 | 2388.624 | -37.06 | 2 | - | 60.2 | Peak | 74 | Pass |
| NVNT | g | 2412 | 2389.326 | -51.14 | 2 | 0.13 | 46.25 | Average | 54 | Pass |
| NVNT | g | 2412 | 2390 | -33.48 | 2 | - | 63.78 | Peak | 74 | Pass |
| NVNT | g | 2412 | 2390 | -52.36 | 2 | 0.13 | 45.03 | Average | 54 | Pass |
| NVNT | g | 2462 | 2483.5 | -34.1 | 2 | - | 63.16 | Peak | 74 | Pass |
| NVNT | g | 2462 | 2483.5 | -49.9 | 2 | 0.13 | 47.49 | Average | 54 | Pass |
| NVNT | g | 2462 | 2483.729 | -30.09 | 2 | - | 67.17 | Peak | 74 | Pass |
| NVNT | g | 2462 | 2483.517 | -49.9 | 2 | 0.13 | 47.49 | Average | 54 | Pass |
| NVNT | g | 2462 | 2500 | -49.58 | 2 | - | 47.68 | Peak | 74 | Pass |
| NVNT | g | 2462 | 2500 | -56.68 | 2 | 0.13 | 40.71 | Average | 54 | Pass |
| NVNT | n20mimo | 2412 | 2310 | -49.75 | 2 | - | 47.51 | Peak | 74 | Pass |
| NVNT | n20mimo | 2412 | 2310 | -57.4 | 2 | 0.13 | 39.99 | Average | 54 | Pass |
| NVNT | n20mimo | 2412 | 2389.209 | -34.52 | 2 | - | 62.74 | Peak | 74 | Pass |
| NVNT | n20mimo | 2412 | 2389.443 | -52.82 | 2 | 0.13 | 44.57 | Average | 54 | Pass |
| NVNT | n20mimo | 2412 | 2390 | -37.21 | 2 | - | 60.05 | Peak | 74 | Pass |
| NVNT | n20mimo | 2412 | 2390 | -52.9 | 2 | 0.13 | 44.49 | Average | 54 | Pass |
| NVNT | n20mimo | 2462 | 2483.5 | -32.9 | 2 | - | 64.36 | Peak | 74 | Pass |
| NVNT | n20mimo | 2462 | 2483.5 | -51.41 | 2 | 0.13 | 45.98 | Average | 54 | Pass |
| NVNT | n20mimo | 2462 | 2483.517 | -32.9 | 2 | - | 64.36 | Peak | 74 | Pass |
| NVNT | n20mimo | 2462 | 2483.729 | -50.18 | 2 | 0.13 | 47.21 | Average | 54 | Pass |
| NVNT | n20mimo | 2462 | 2500 | -48.61 | 2 | - | 48.65 | Peak | 74 | Pass |
| NVNT | n20mimo | 2462 | 2500 | -57.24 | 2 | 0.13 | 40.15 | Average | 54 | Pass |
| NVNT | n40mimo | 2422 | 2310 | -50.44 | 2 | - | 46.82 | Peak | 74 | Pass |



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| | | | | | | | | | | |
|------|---------|------|----------|--------|---|------|-------|---------|----|------|
| NVNT | n40mimo | 2422 | 2310 | -58.76 | 2 | 0.26 | 38.76 | Average | 54 | Pass |
| NVNT | n40mimo | 2422 | 2388.81 | -35.97 | 2 | - | 61.29 | Peak | 74 | Pass |
| NVNT | n40mimo | 2422 | 2389.946 | -51.71 | 2 | 0.26 | 45.81 | Average | 54 | Pass |
| NVNT | n40mimo | 2422 | 2390 | -42.99 | 2 | - | 54.27 | Peak | 74 | Pass |
| NVNT | n40mimo | 2422 | 2390 | -51.71 | 2 | 0.26 | 45.81 | Average | 54 | Pass |
| NVNT | n40mimo | 2452 | 2483.5 | -40.8 | 2 | - | 56.46 | Peak | 74 | Pass |
| NVNT | n40mimo | 2452 | 2483.5 | -53.26 | 2 | 0.44 | 44.44 | Average | 54 | Pass |
| NVNT | n40mimo | 2452 | 2484.01 | -34.52 | 2 | - | 62.74 | Peak | 74 | Pass |
| NVNT | n40mimo | 2452 | 2483.62 | -52.36 | 2 | 0.44 | 45.34 | Average | 54 | Pass |
| NVNT | n40mimo | 2452 | 2500 | -49.48 | 2 | - | 47.78 | Peak | 74 | Pass |
| NVNT | n40mimo | 2452 | 2500 | -57.8 | 2 | 0.44 | 39.9 | Average | 54 | Pass |

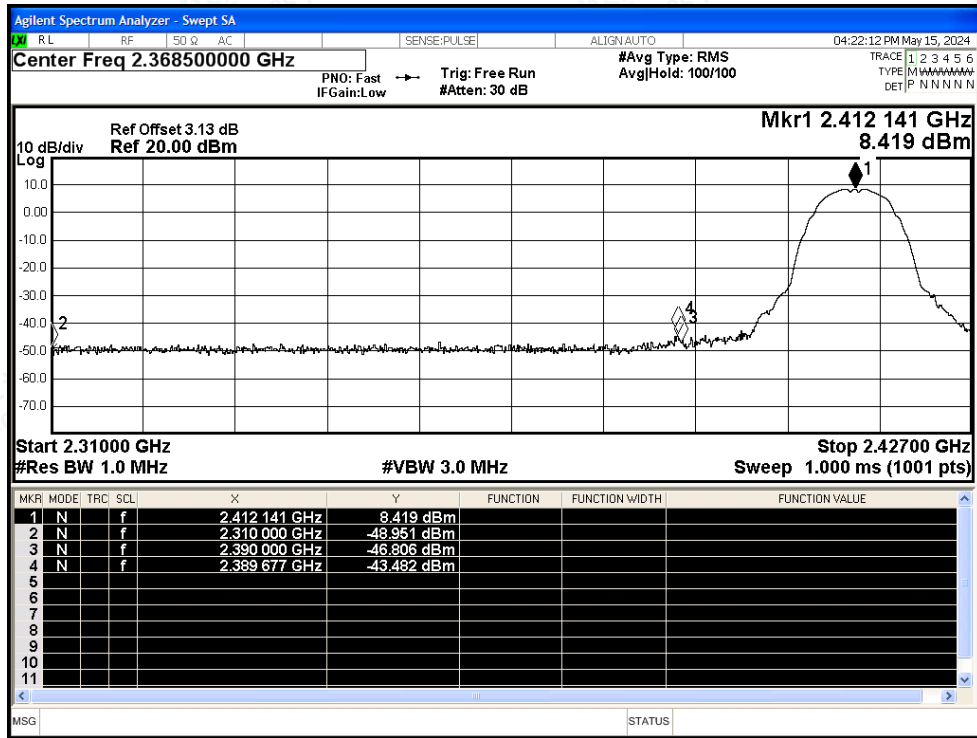
Note: 802.11b and 802.11g mode, only show the worst set of antenna1 data.



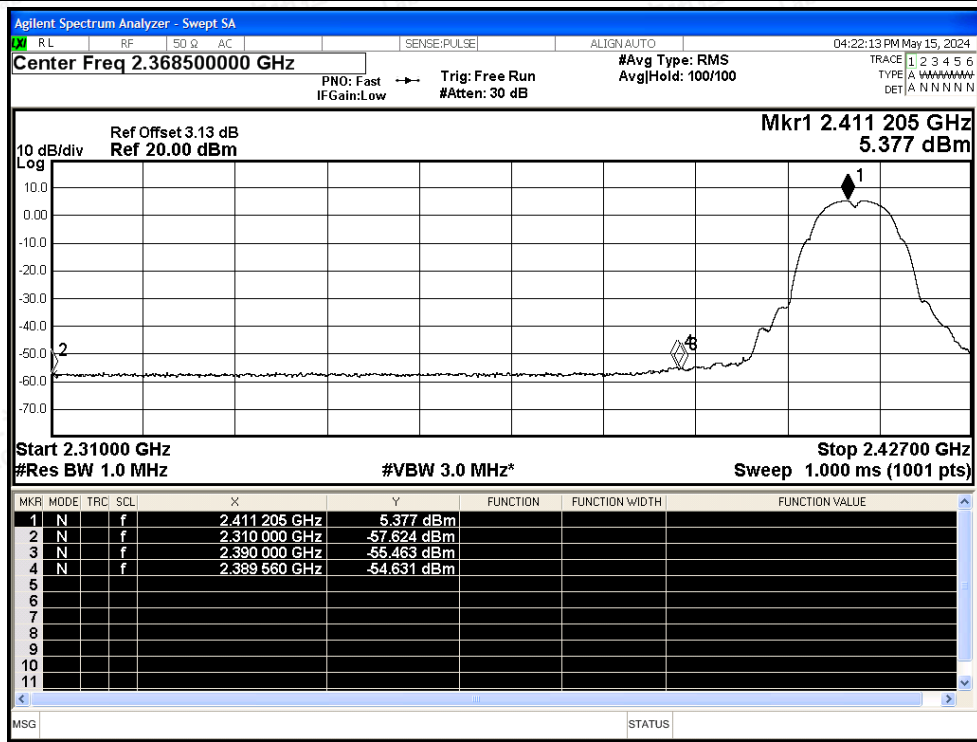


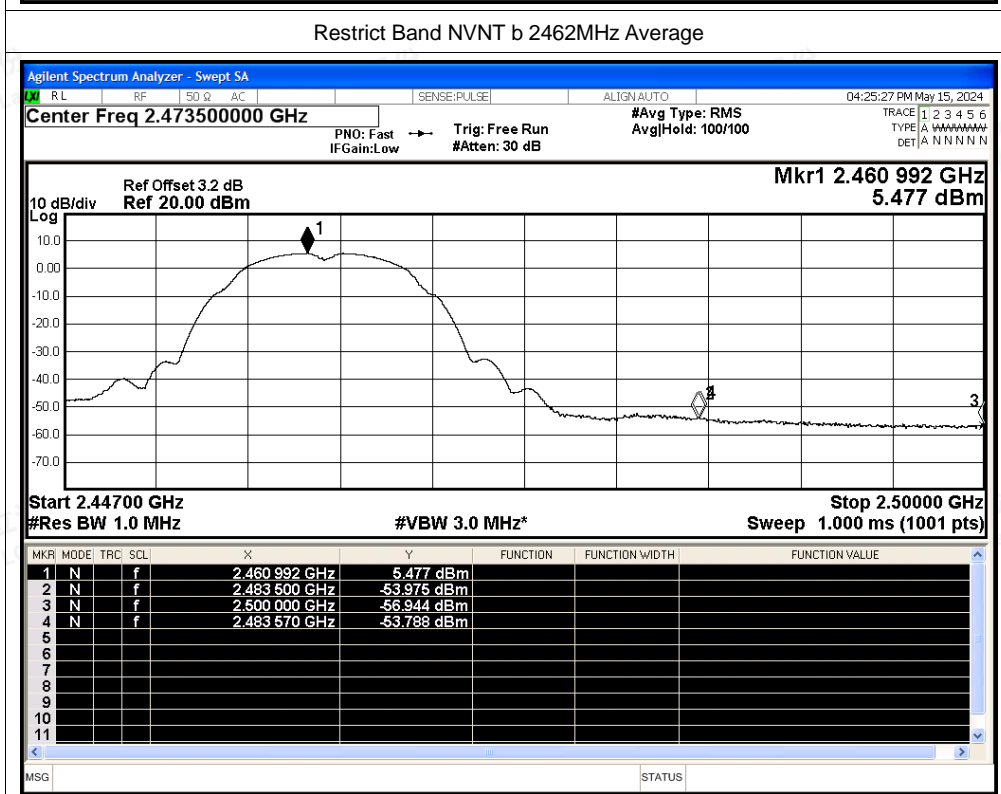
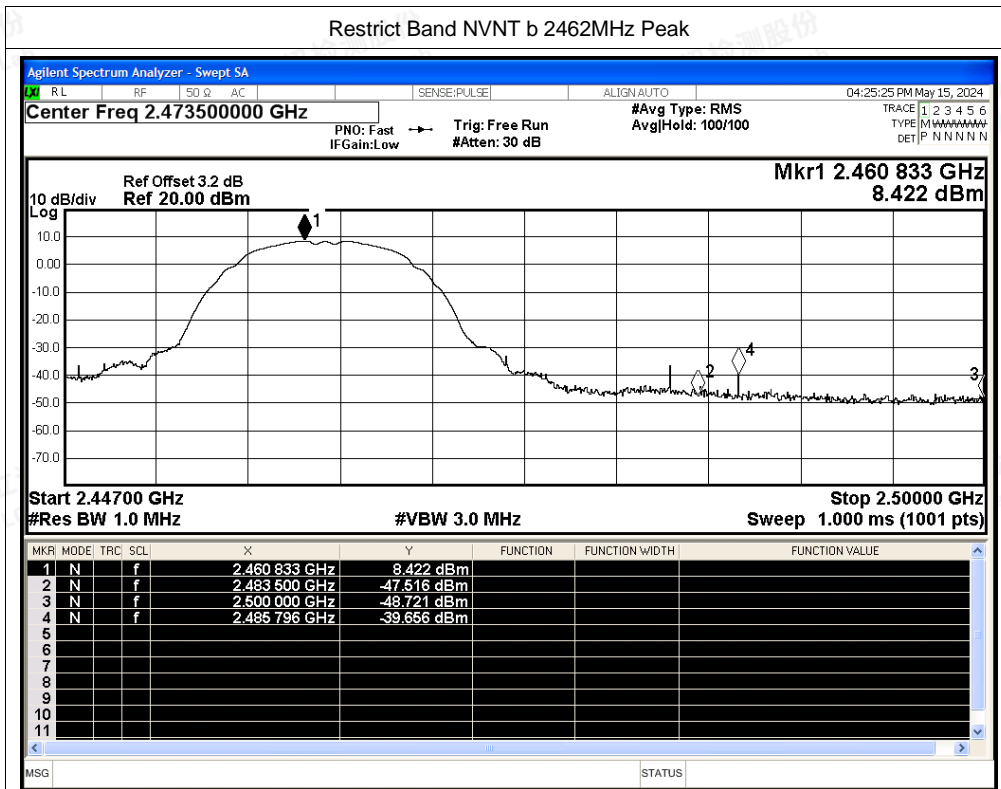
Test Graphs

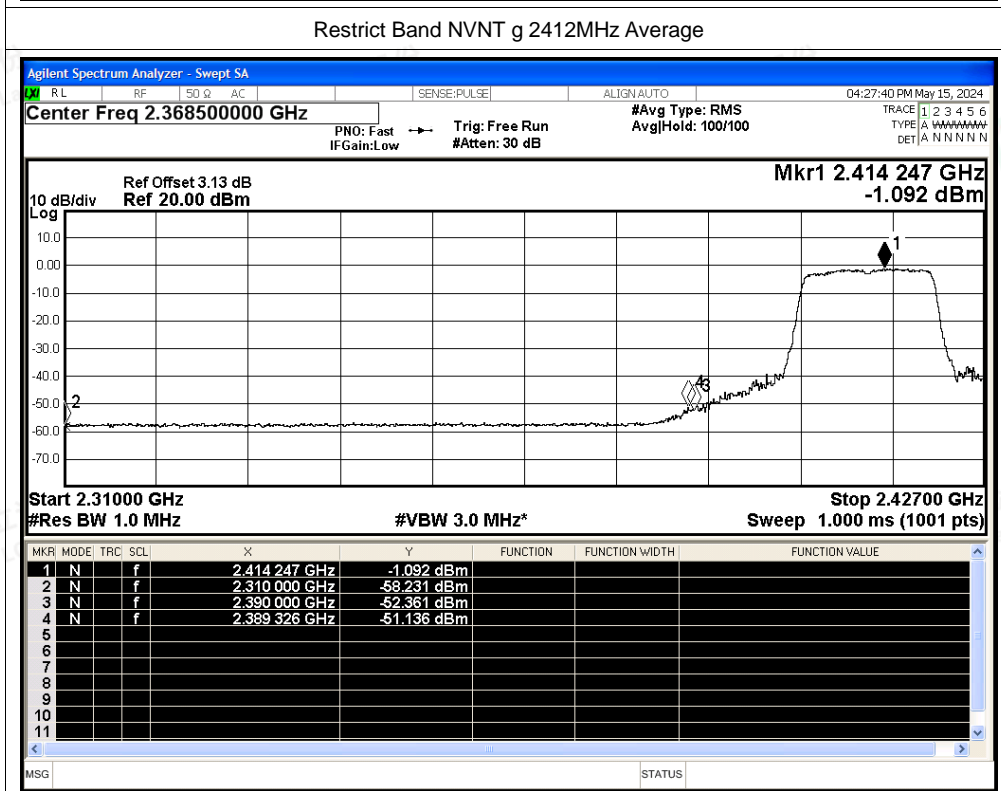
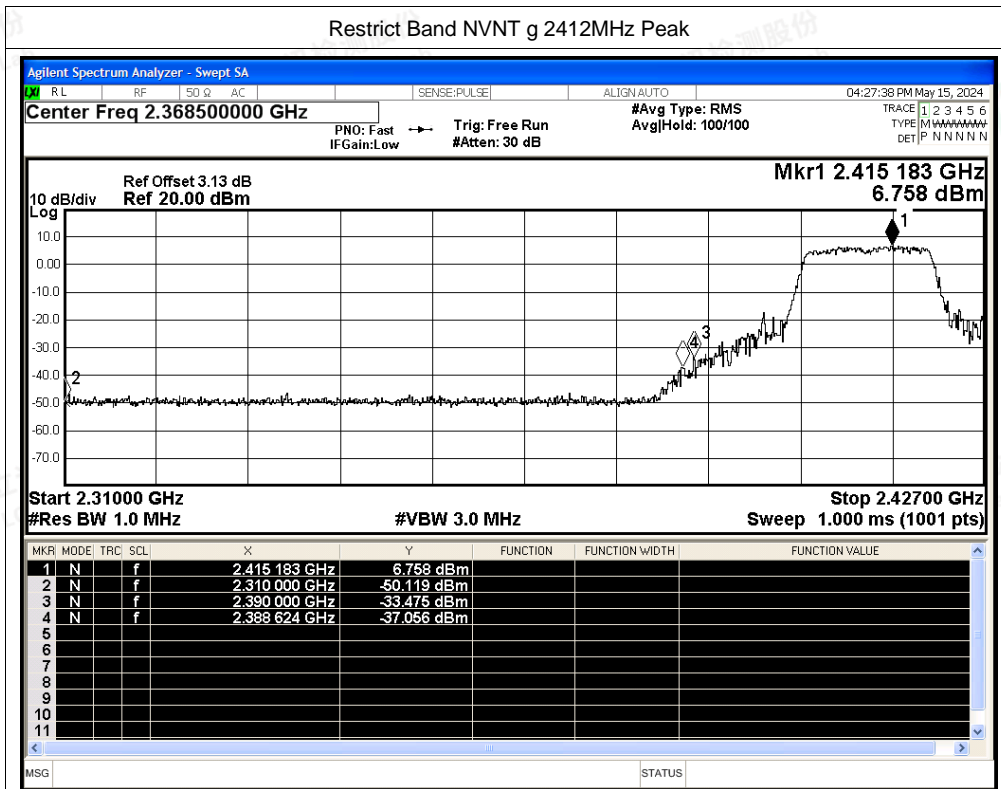
Restrict Band NVNT b 2412MHz Peak

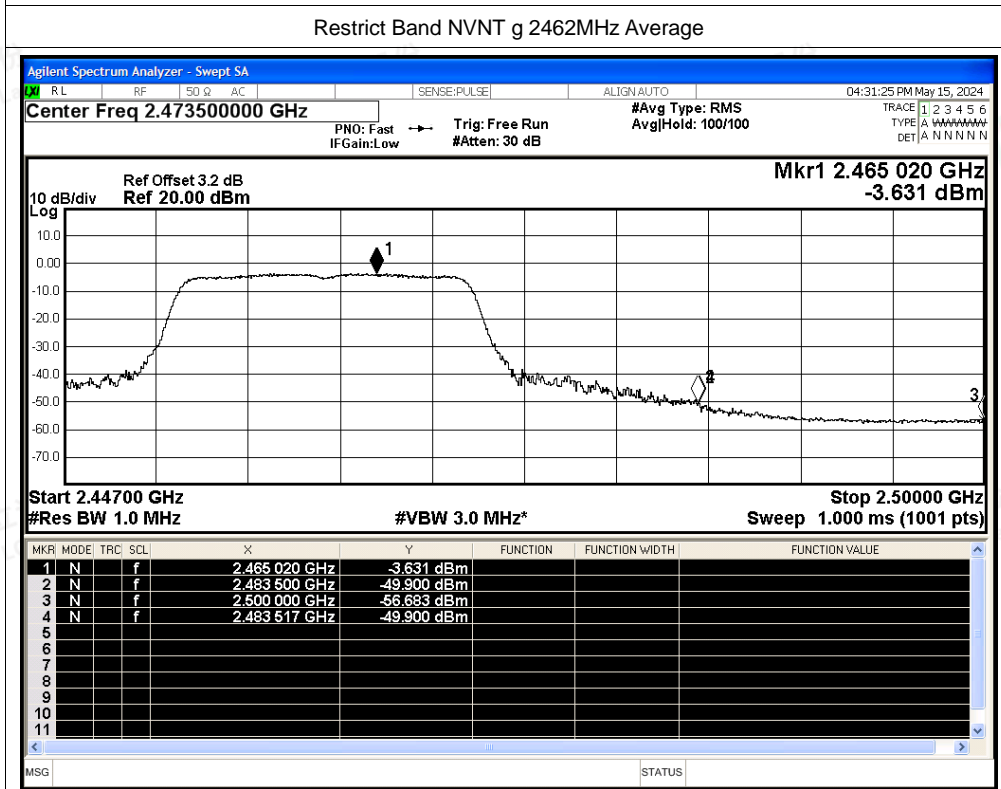
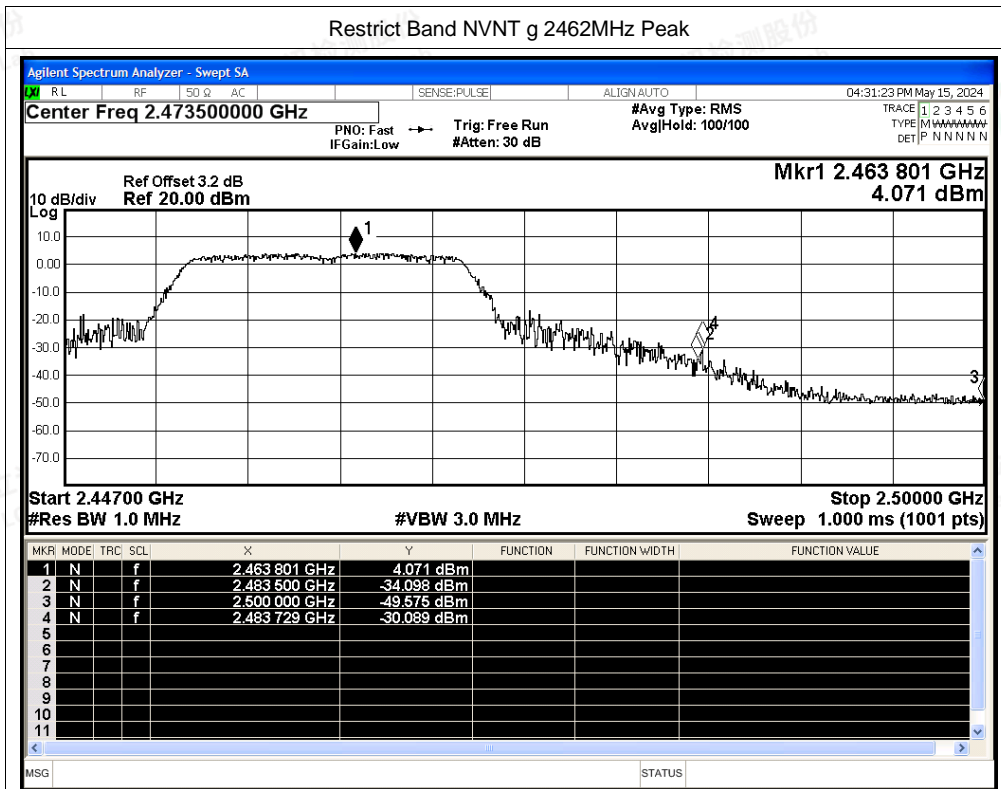


Restrict Band NVNT b 2412MHz Average



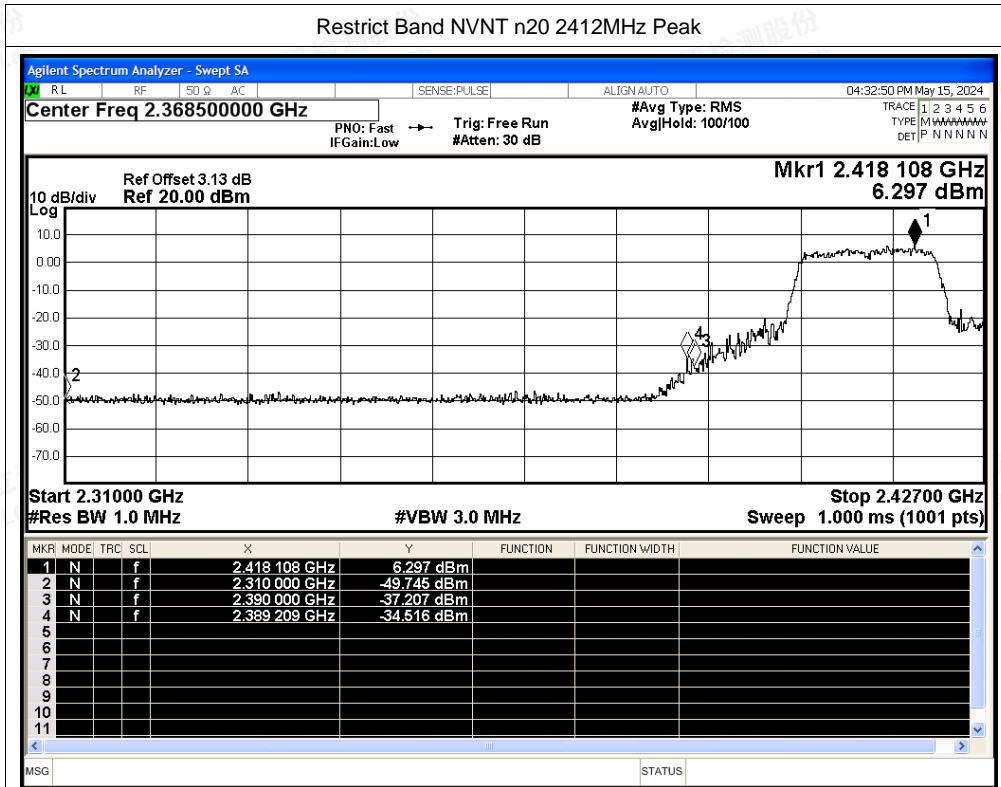




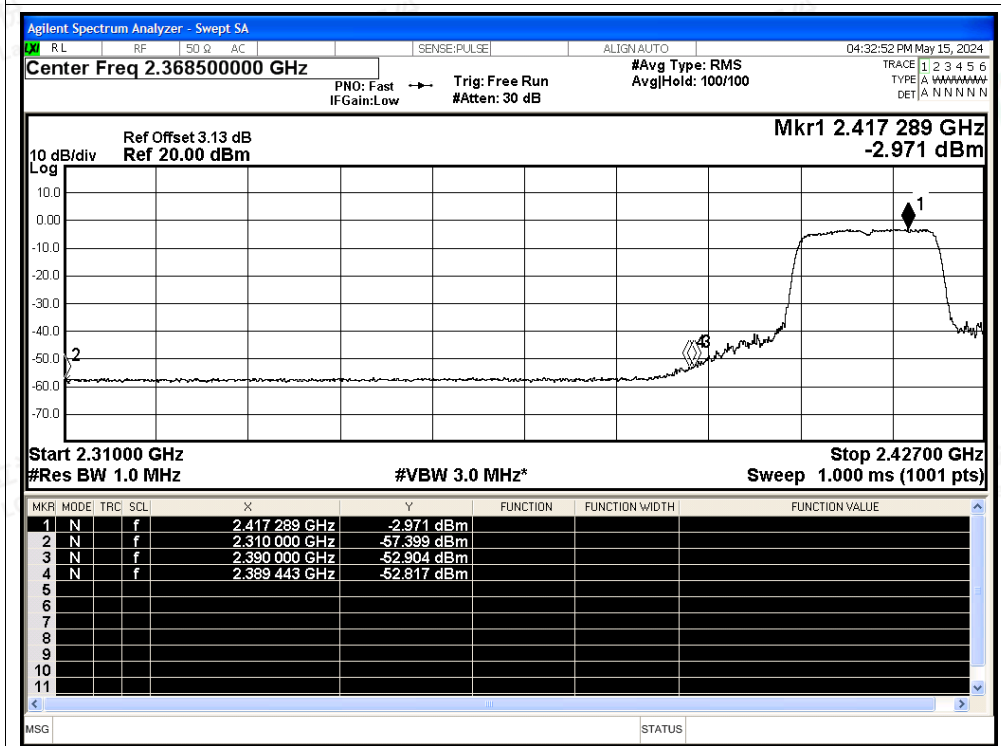




Restrict Band NVNT n20 2412MHz Peak

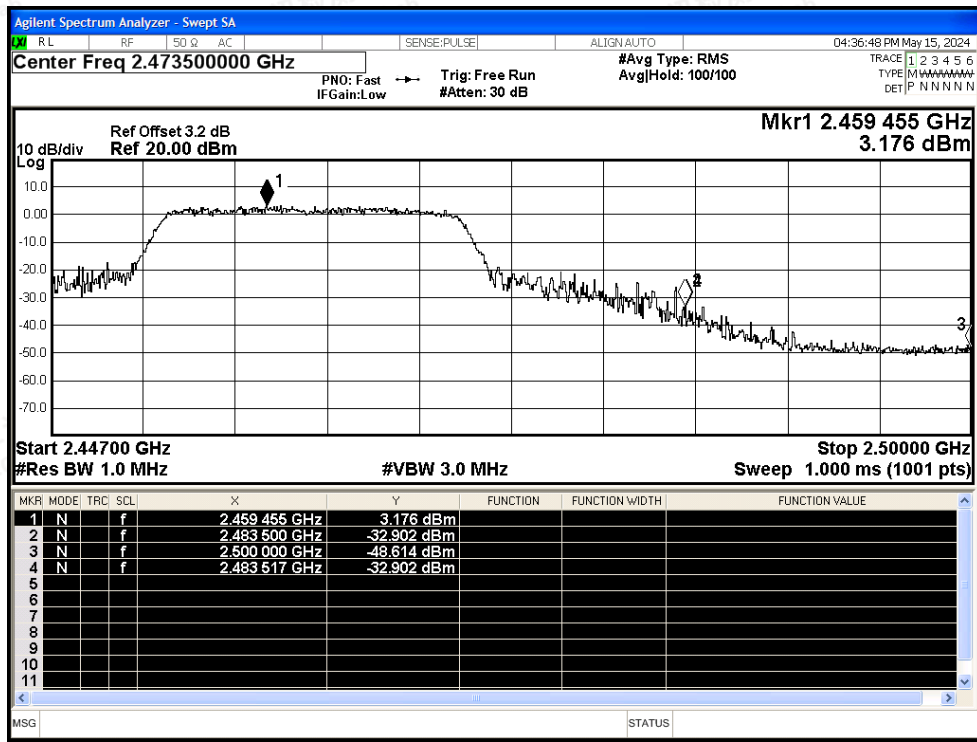


Restrict Band NVNT n20 2412MHz Average

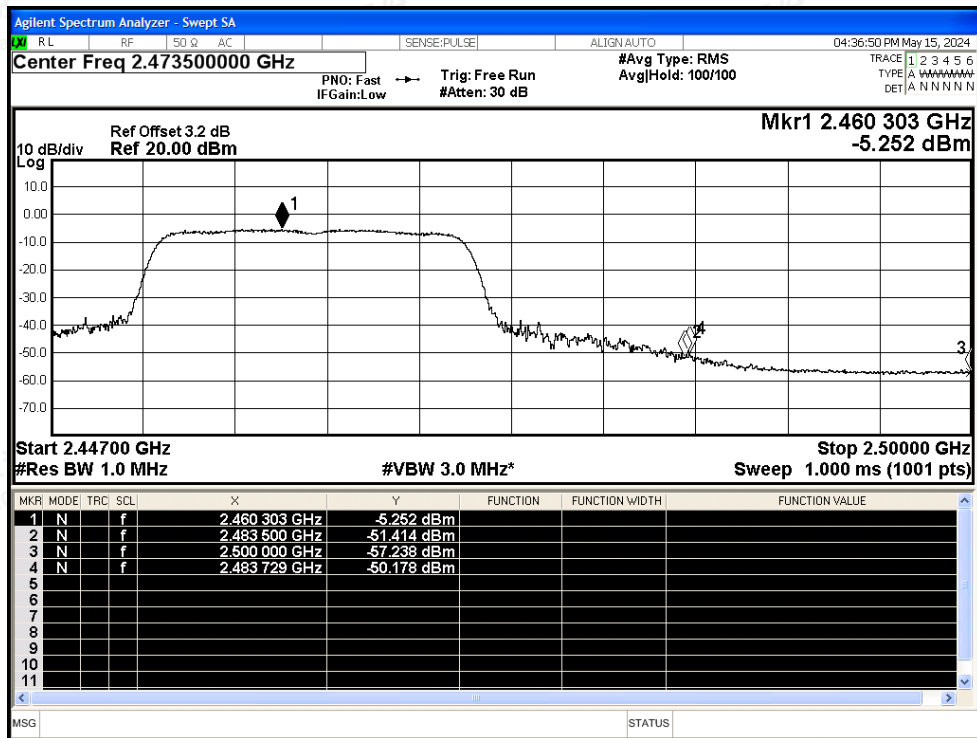




Restrict Band NVNT n20 2462MHz Peak



Restrict Band NVNT n20 2462MHz Average



Test Graphs

Restrict Band NVNT n40 2422MHz Peak



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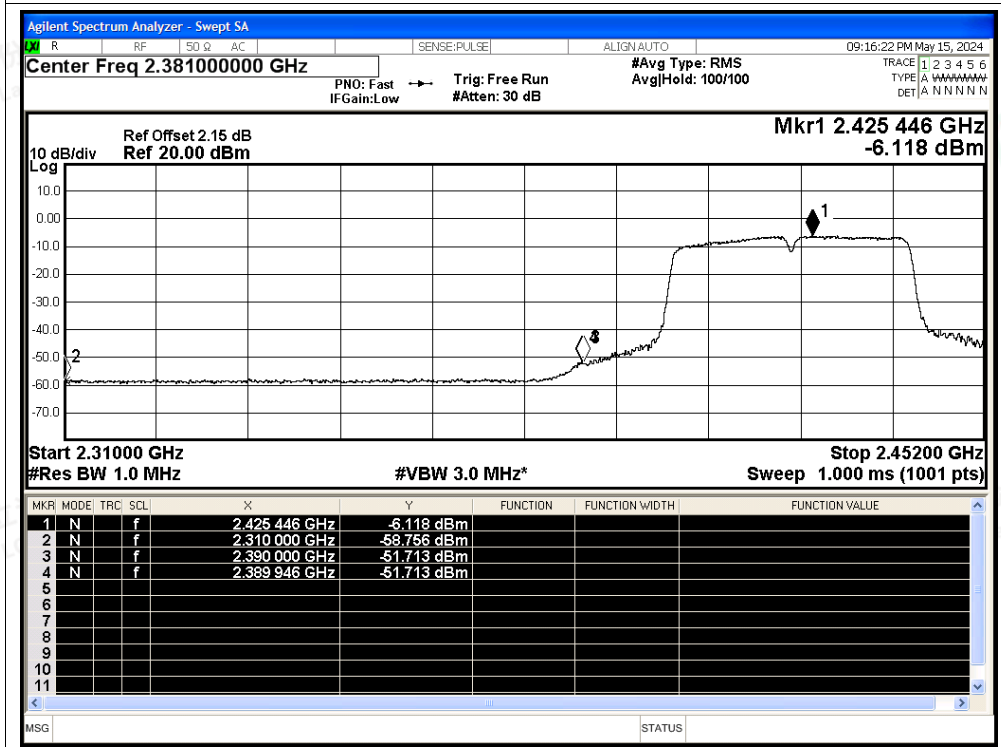
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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Scan code to check authenticity

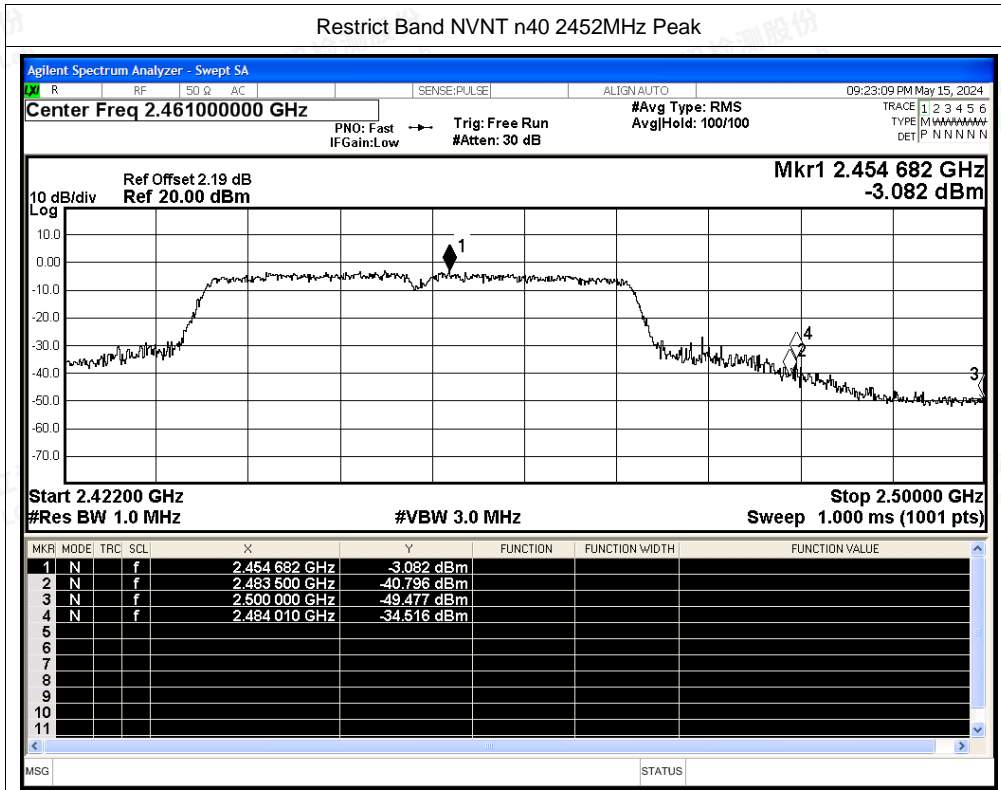


Restrict Band NVNT n40 2422MHz Average





Restrict Band NVNT n40 2452MHz Peak



Restrict Band NVNT n40 2452MHz Average

