



Appendix C

RF Test Data for 2.4GWIFI (Conducted Measurement)

Product Name: TABLET PC

Test Model: TEO8M4BK64

Environmental Conditions

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





C.1 -6dB Bandwidth

| Condition | Mode | Frequency (MHz) | Antenna | -6 dB Bandwidth (MHz) | Limit -6 dB Bandwidth (MHz) | Verdict |
|-----------|------|-----------------|---------|-----------------------|-----------------------------|---------|
| NVNT | b | 2412 | Ant1 | 10.037 | >=0.5 | Pass |
| NVNT | b | 2437 | Ant1 | 8.593 | >=0.5 | Pass |
| NVNT | b | 2462 | Ant1 | 9.079 | >=0.5 | Pass |
| NVNT | g | 2412 | Ant1 | 16.391 | >=0.5 | Pass |
| NVNT | g | 2437 | Ant1 | 16.328 | >=0.5 | Pass |
| NVNT | g | 2462 | Ant1 | 16.322 | >=0.5 | Pass |
| NVNT | n20 | 2412 | Ant1 | 17.602 | >=0.5 | Pass |
| NVNT | n20 | 2437 | Ant1 | 17.613 | >=0.5 | Pass |
| NVNT | n20 | 2462 | Ant1 | 17.541 | >=0.5 | Pass |

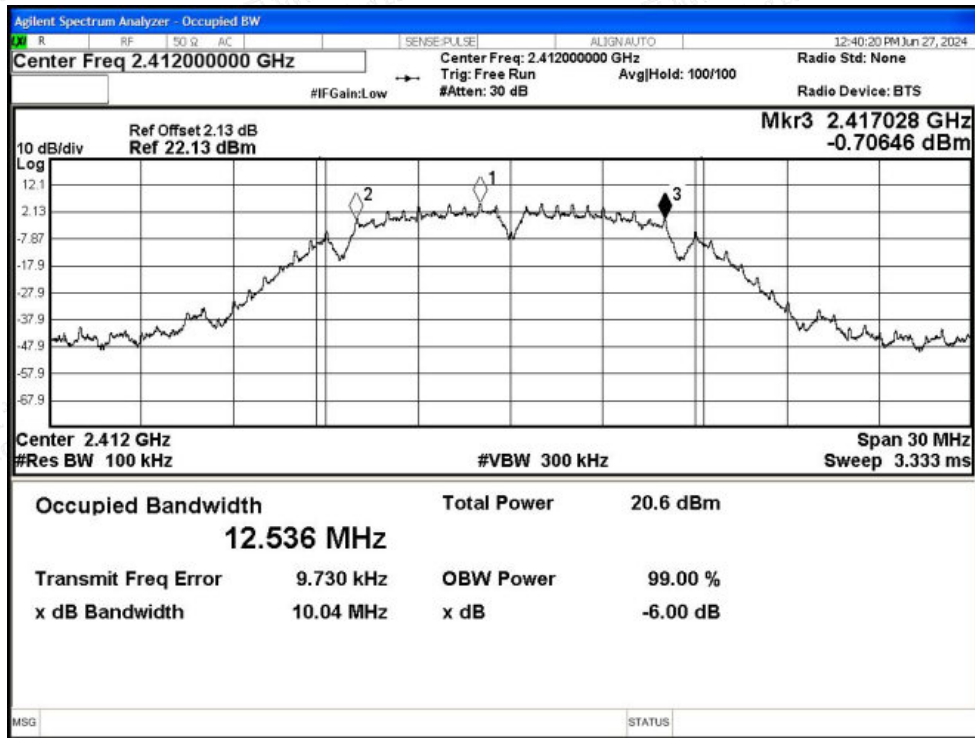


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 Scan code to check authenticity



Test Graphs

-6dB Bandwidth NVNT b 2412MHz Ant1



-6dB Bandwidth NVNT b 2437MHz Ant1

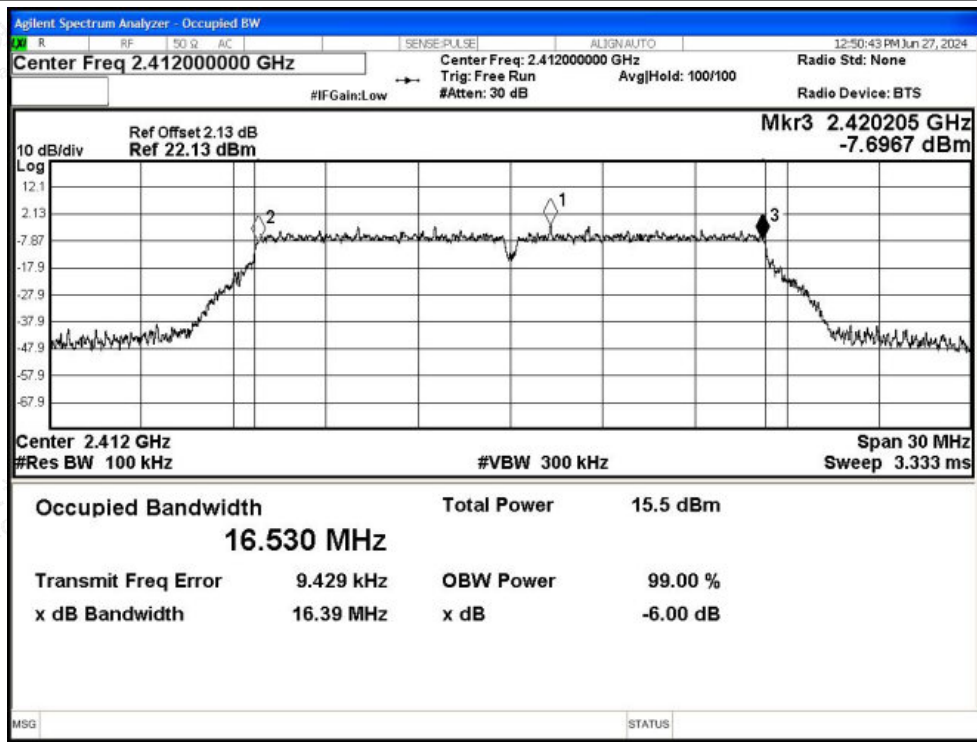




-6dB Bandwidth NVNT b 2462MHz Ant1

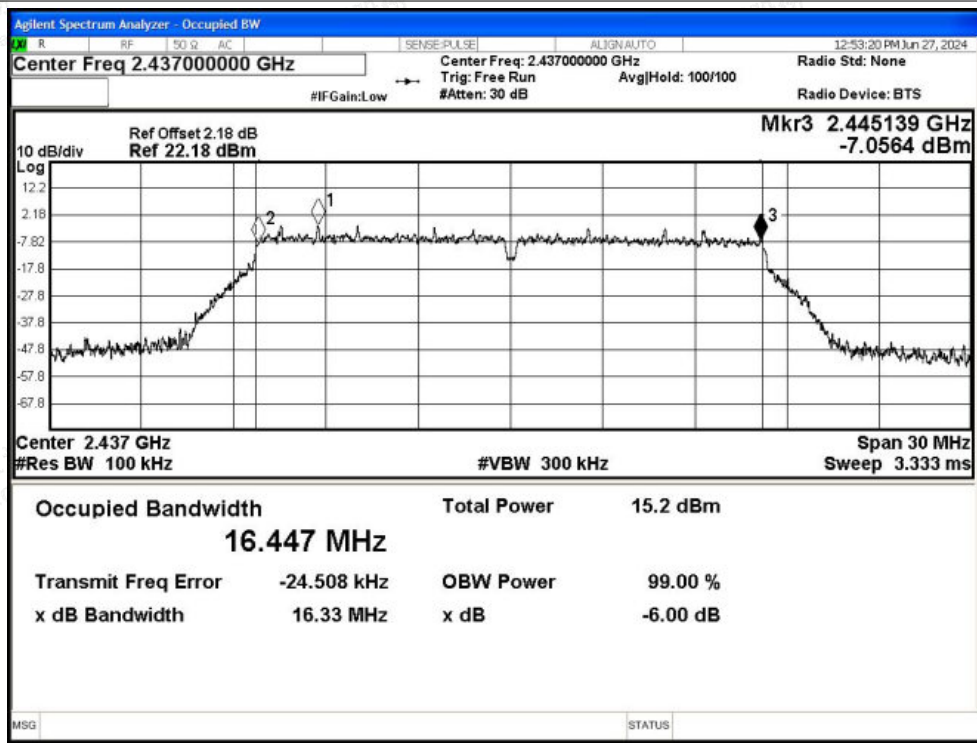


-6dB Bandwidth NVNT g 2412MHz Ant1

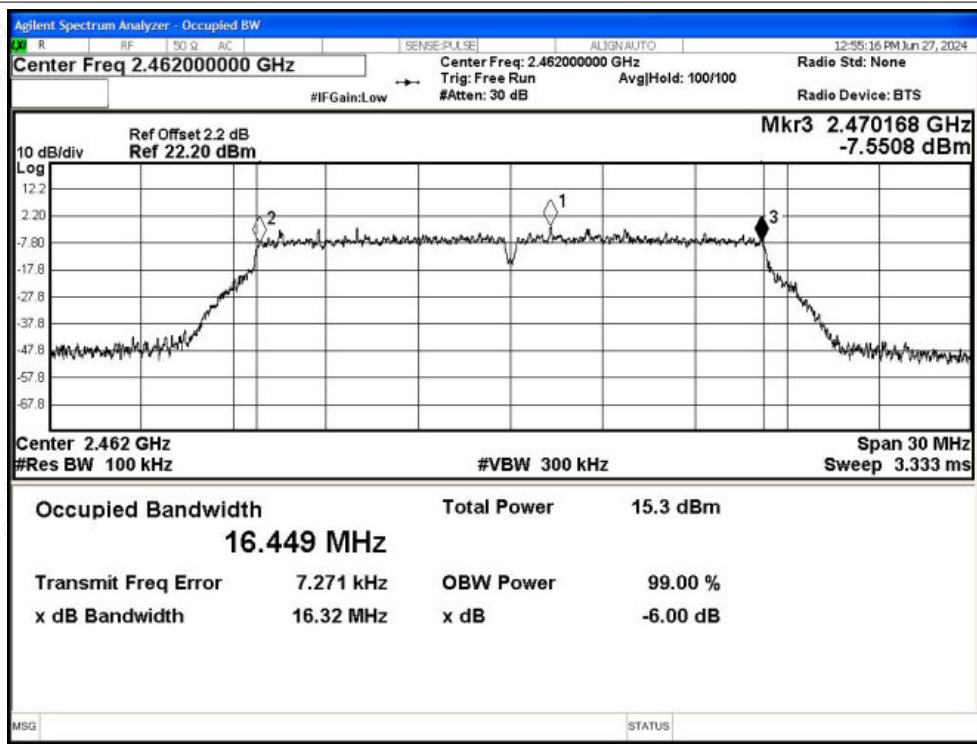




-6dB Bandwidth NVNT g 2437MHz Ant1

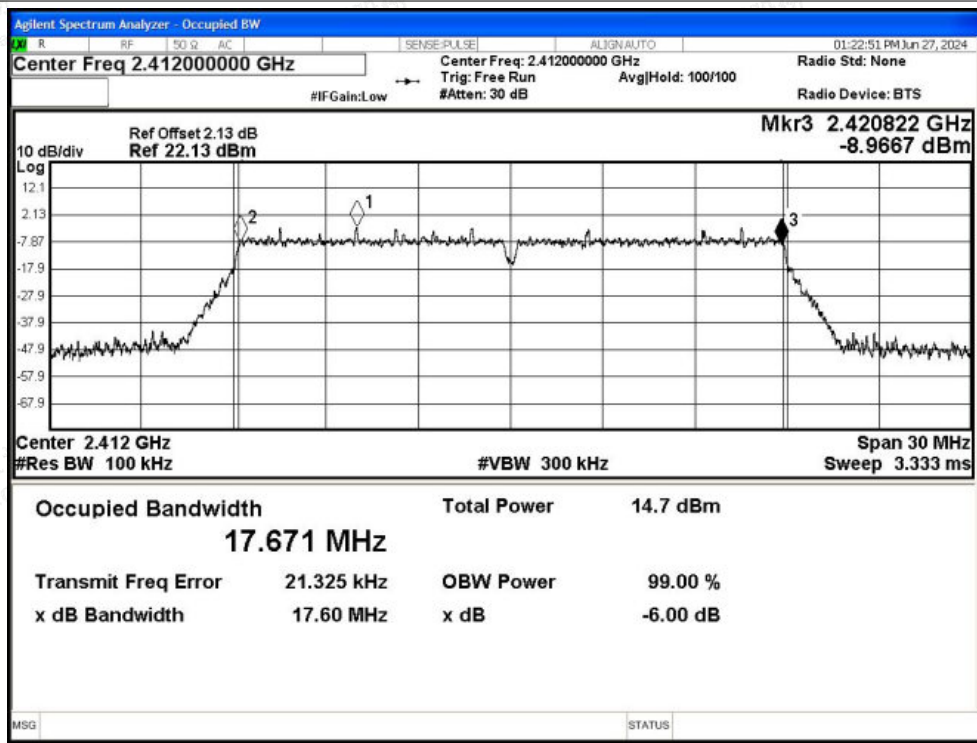


-6dB Bandwidth NVNT g 2462MHz Ant1

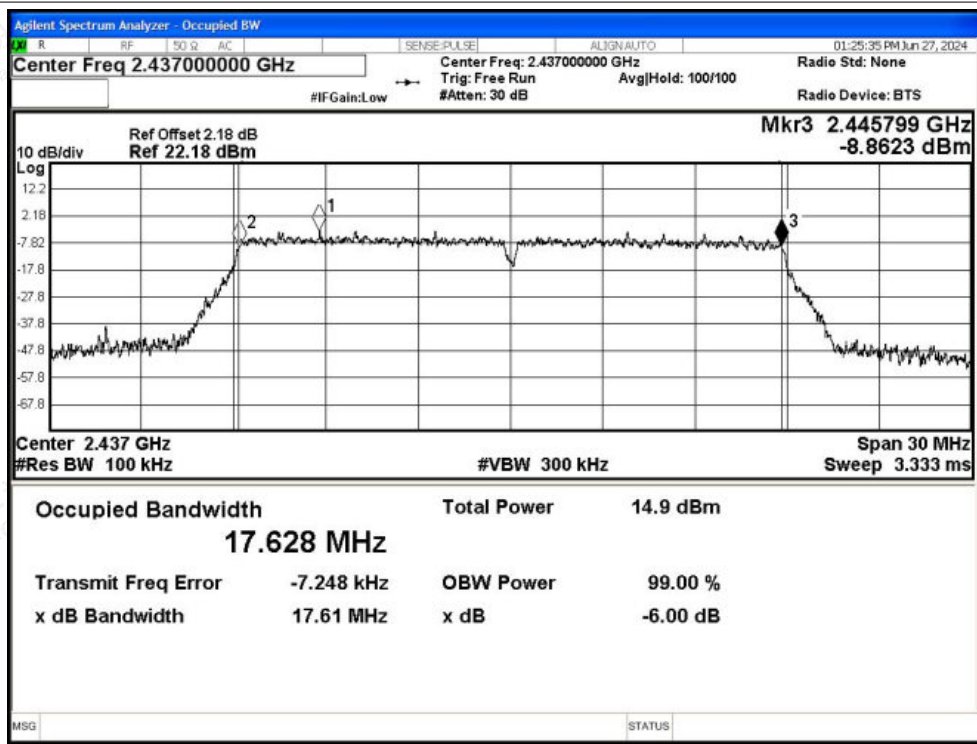




-6dB Bandwidth NVNT n20 2412MHz Ant1

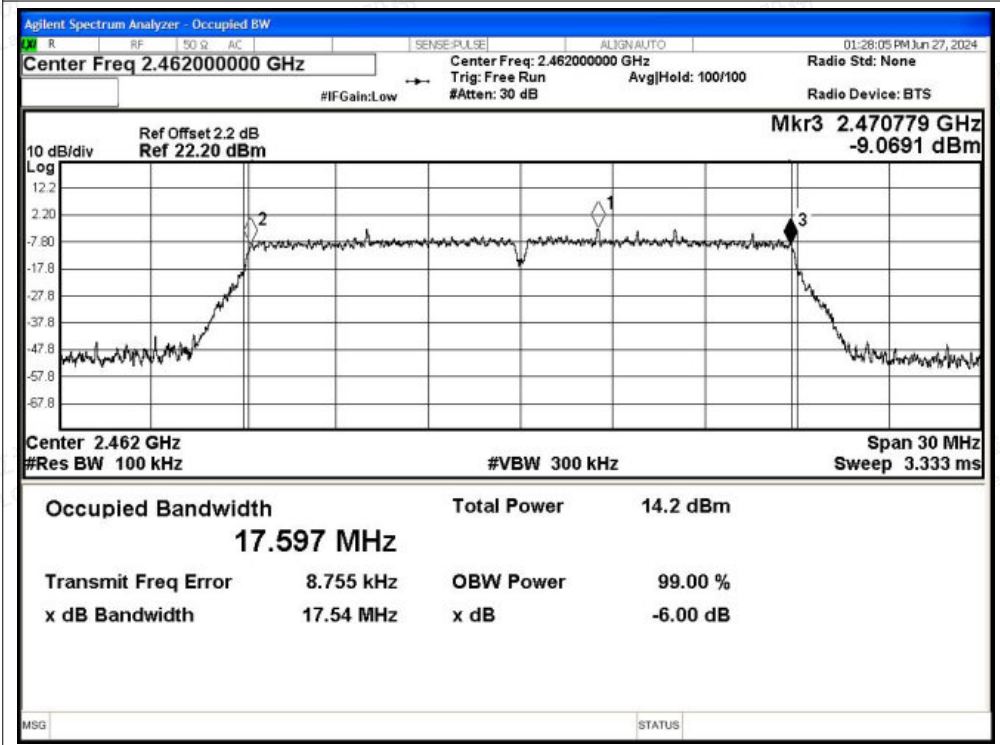


-6dB Bandwidth NVNT n20 2437MHz Ant1





-6dB Bandwidth NVNT n20 2462MHz Ant1





C.2 Maximum Conducted Output Power

| Condition | Mode | Frequency (MHz) | Antenna | Total Power (dBm) | Limit (dBm) | Verdict |
|-----------|------|-----------------|---------|-------------------|-------------|---------|
| NVNT | b | 2412 | Ant1 | 15.39 | 30 | Pass |
| NVNT | b | 2437 | Ant1 | 15.20 | 30 | Pass |
| NVNT | b | 2462 | Ant1 | 15.52 | 30 | Pass |
| NVNT | g | 2412 | Ant1 | 14.23 | 30 | Pass |
| NVNT | g | 2437 | Ant1 | 14.79 | 30 | Pass |
| NVNT | g | 2462 | Ant1 | 14.41 | 30 | Pass |
| NVNT | n20 | 2412 | Ant1 | 13.38 | 30 | Pass |
| NVNT | n20 | 2437 | Ant1 | 13.67 | 30 | Pass |
| NVNT | n20 | 2462 | Ant1 | 13.02 | 30 | Pass |





C.3 Maximum Power Spectral Density Level

| Condition | Mode | Frequency (MHz) | Antenna | Total PSD (dBm/3kHz) | Limit (dBm/3kHz) | Verdict |
|-----------|------|-----------------|---------|----------------------|------------------|---------|
| NVNT | b | 2412 | Ant1 | -5.49 | 8 | Pass |
| NVNT | b | 2437 | Ant1 | -7.65 | 8 | Pass |
| NVNT | b | 2462 | Ant1 | -7.77 | 8 | Pass |
| NVNT | g | 2412 | Ant1 | -15.84 | 8 | Pass |
| NVNT | g | 2437 | Ant1 | -16.2 | 8 | Pass |
| NVNT | g | 2462 | Ant1 | -15.61 | 8 | Pass |
| NVNT | n20 | 2412 | Ant1 | -14.46 | 8 | Pass |
| NVNT | n20 | 2437 | Ant1 | -16.77 | 8 | Pass |
| NVNT | n20 | 2462 | Ant1 | -17.32 | 8 | Pass |

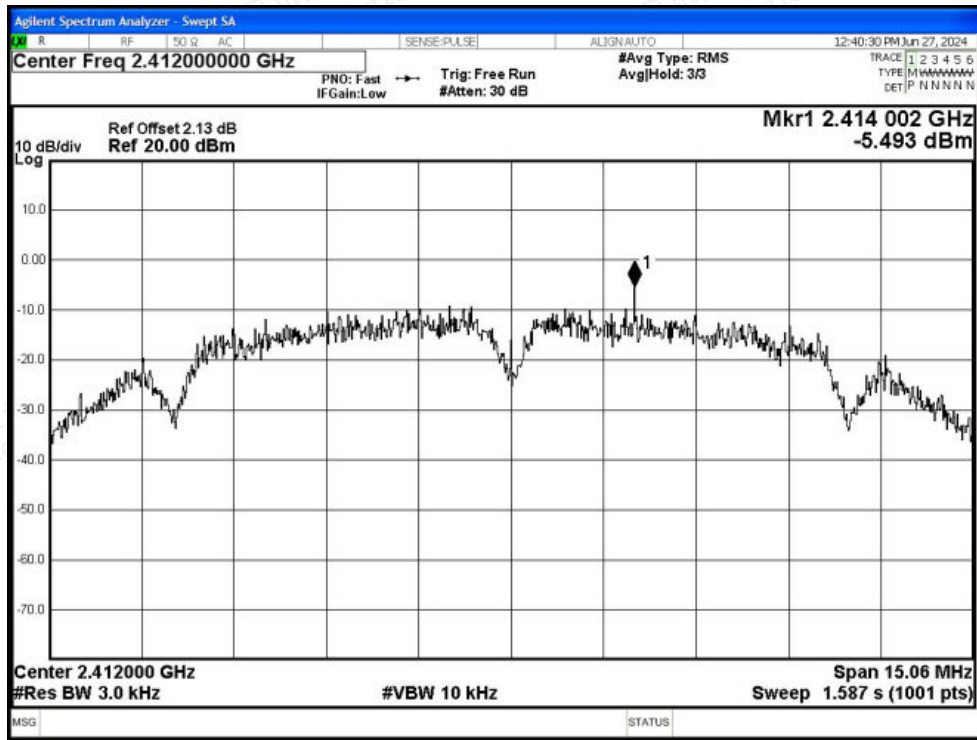


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Scan code to check authenticity

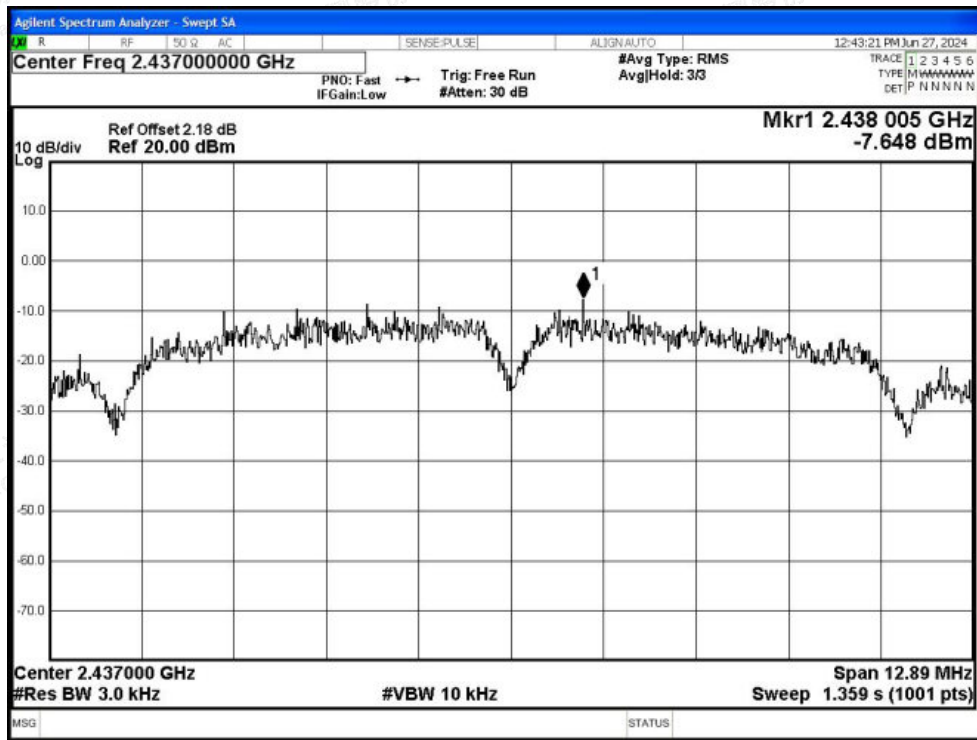


Test Graphs

PSD NVNT b 2412MHz Ant1

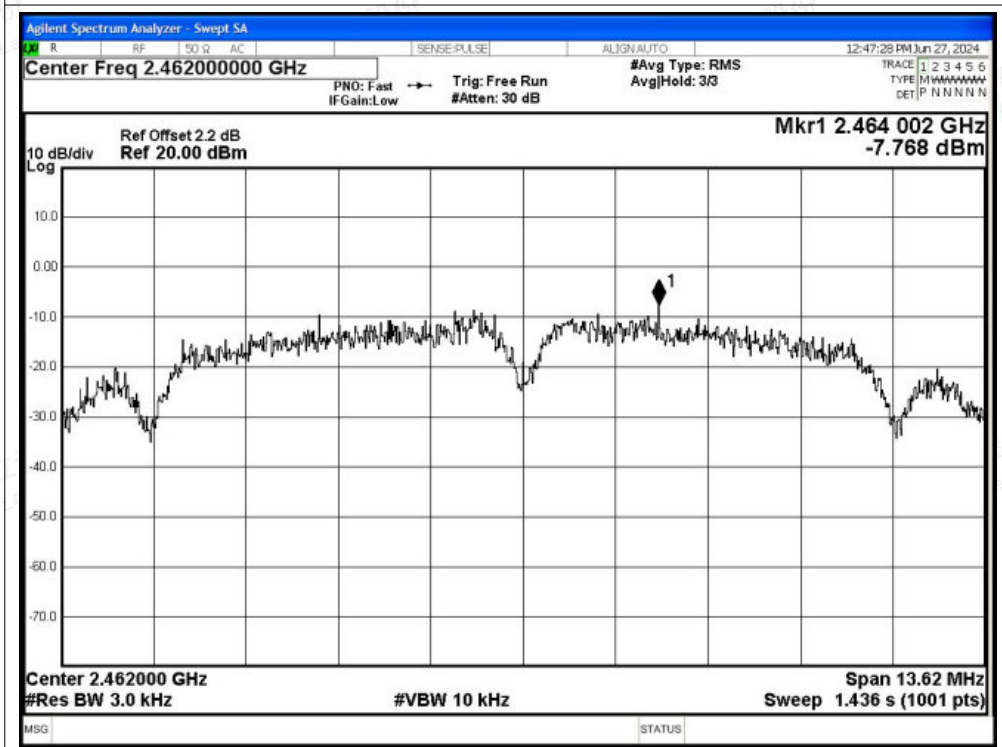


PSD NVNT b 2437MHz Ant1

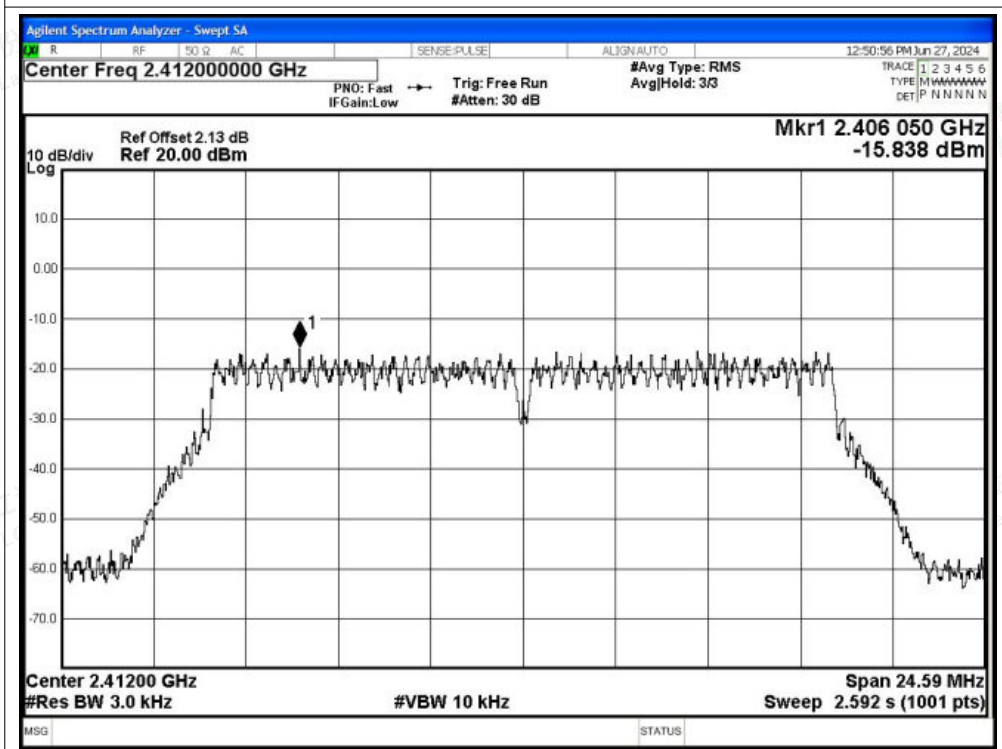




PSD NVNT b 2462MHz Ant1

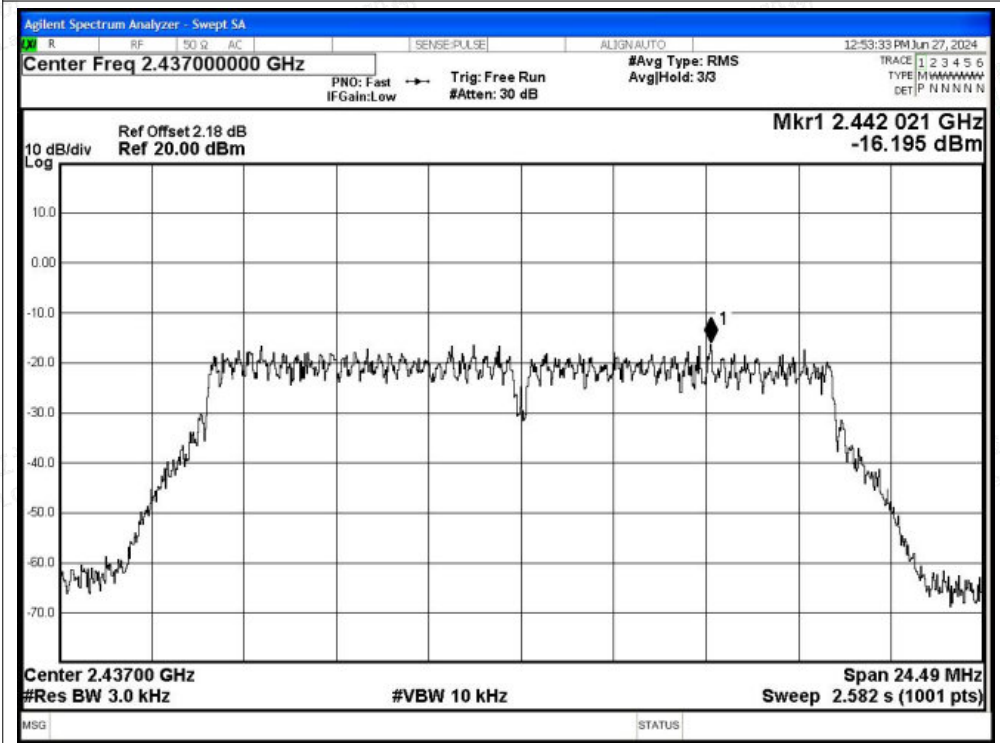


PSD NVNT g 2412MHz Ant1

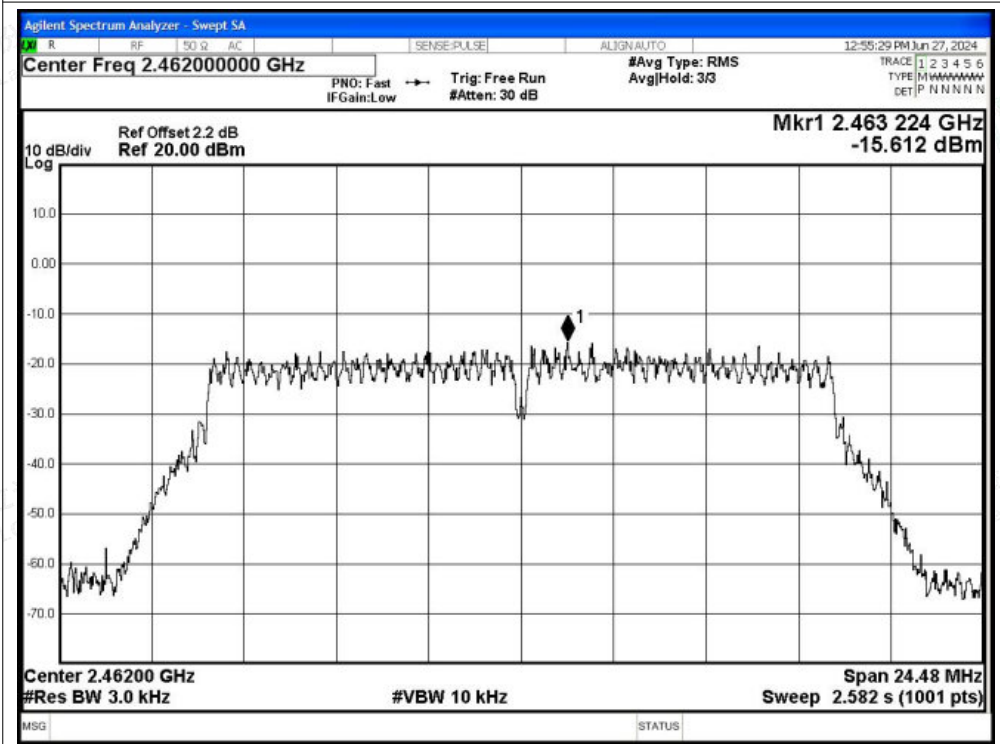




PSD NVNT g 2437MHz Ant1

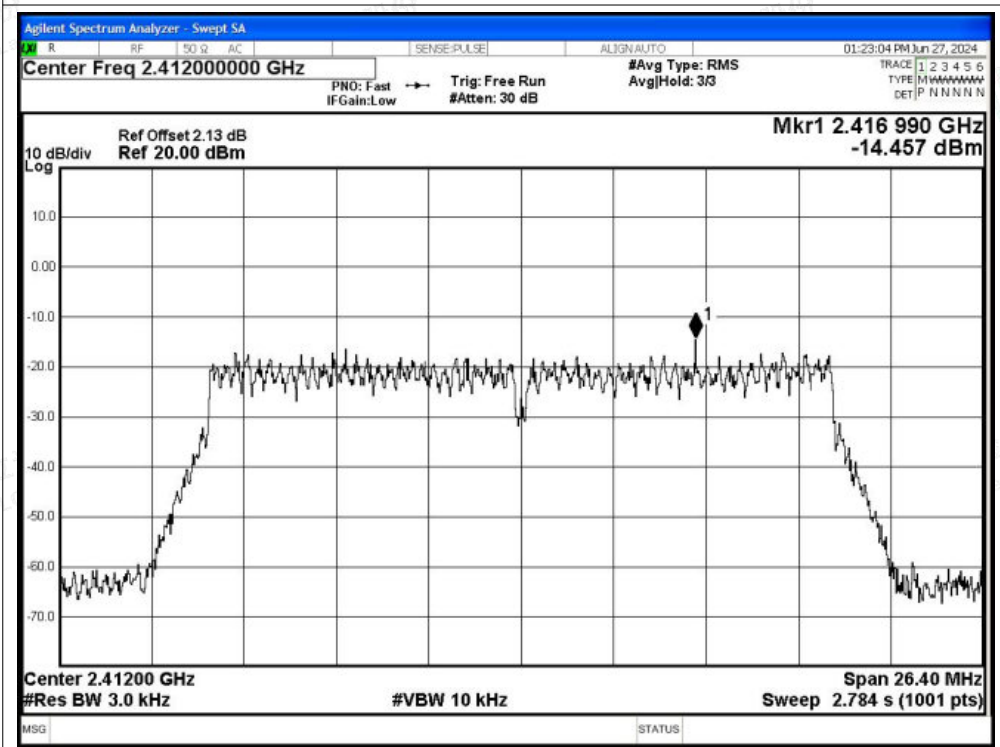


PSD NVNT g 2462MHz Ant1

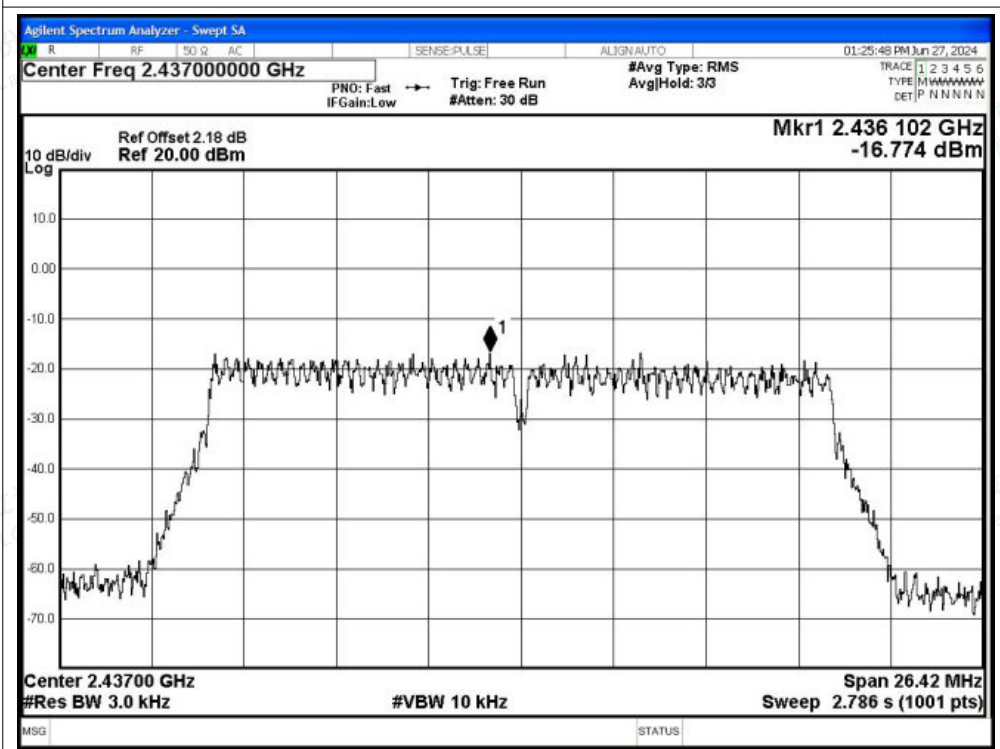


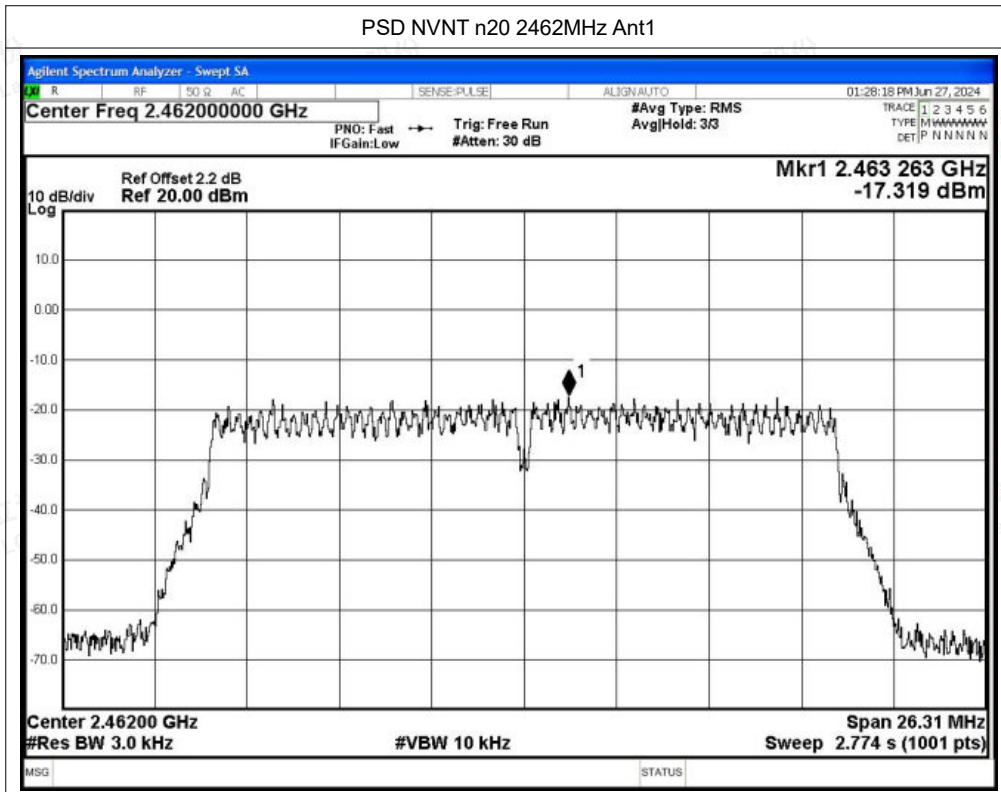


PSD NVNT n20 2412MHz Ant1



PSD NVNT n20 2437MHz Ant1

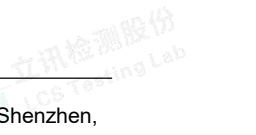
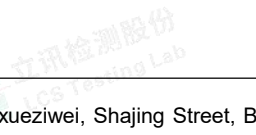






C.4 Band Edge

| Condition | Mode | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|------|-----------------|---------|-----------------|-------------|---------|
| NVNT | b | 2412 | Ant1 | -46.56 | -20 | Pass |
| NVNT | b | 2462 | Ant1 | -61.46 | -20 | Pass |
| NVNT | g | 2412 | Ant1 | -39.07 | -20 | Pass |
| NVNT | g | 2462 | Ant1 | -52.34 | -20 | Pass |
| NVNT | n20 | 2412 | Ant1 | -41.09 | -20 | Pass |
| NVNT | n20 | 2462 | Ant1 | -51.05 | -20 | Pass |



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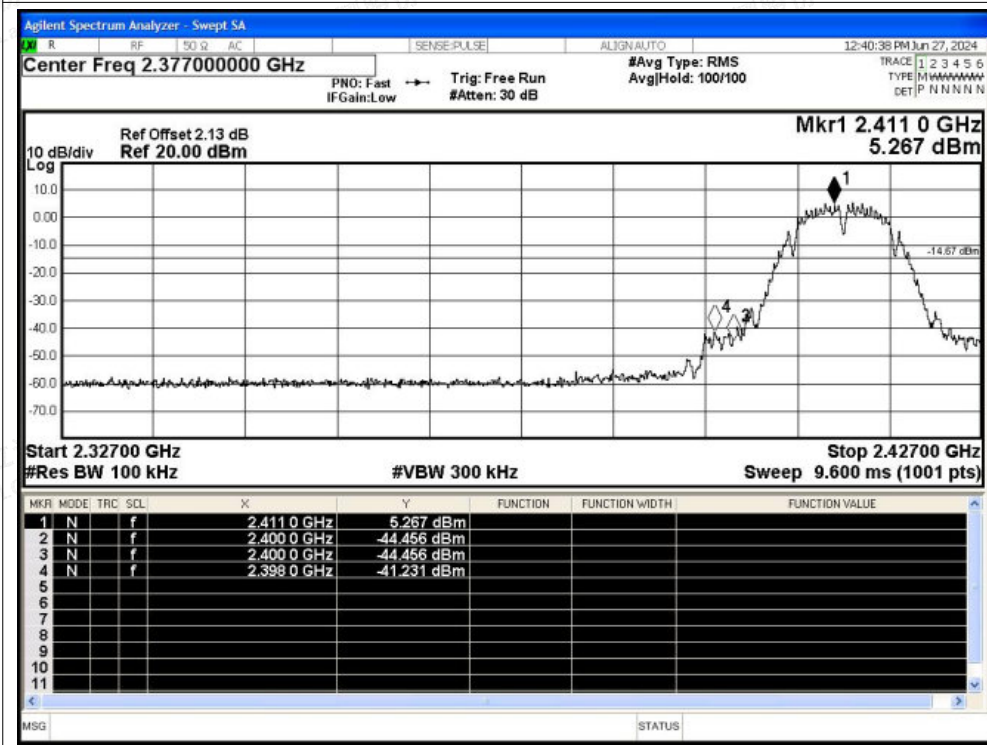


Test Graphs

Band Edge NVNT b 2412MHz Ant1 Ref

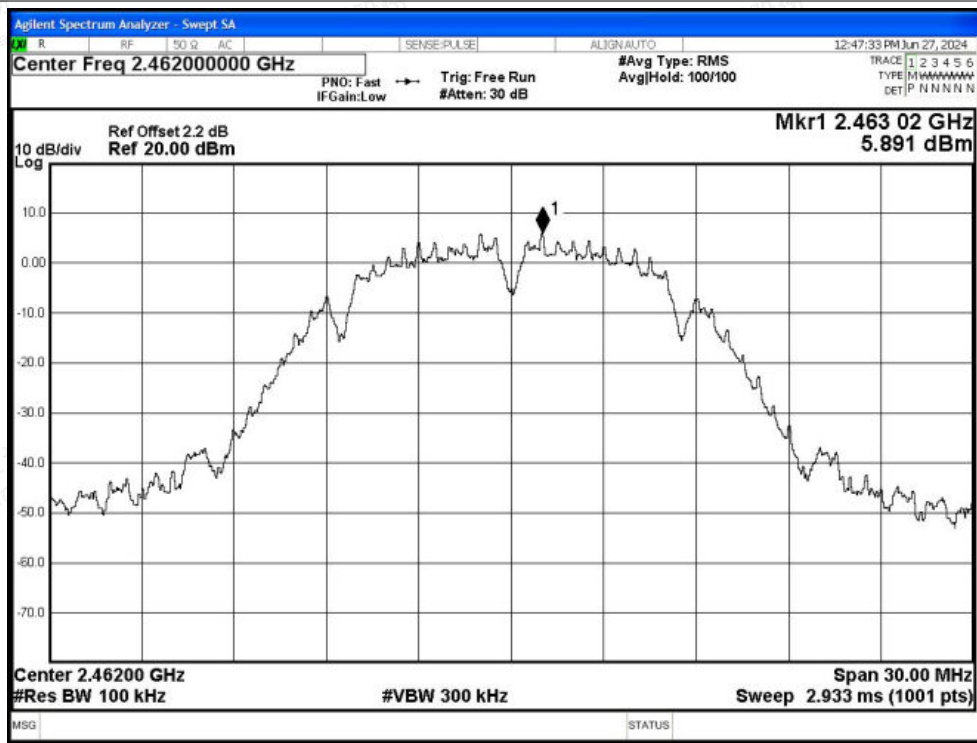


Band Edge NVNT b 2412MHz Ant1 Emission

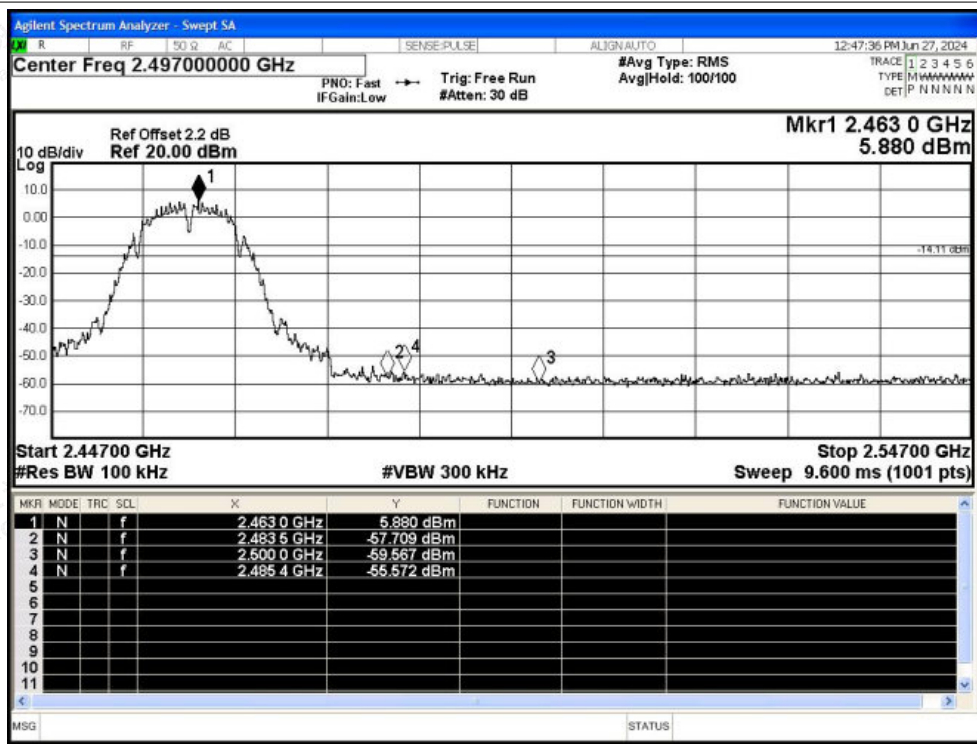




Band Edge NVNT b 2462MHz Ant1 Ref

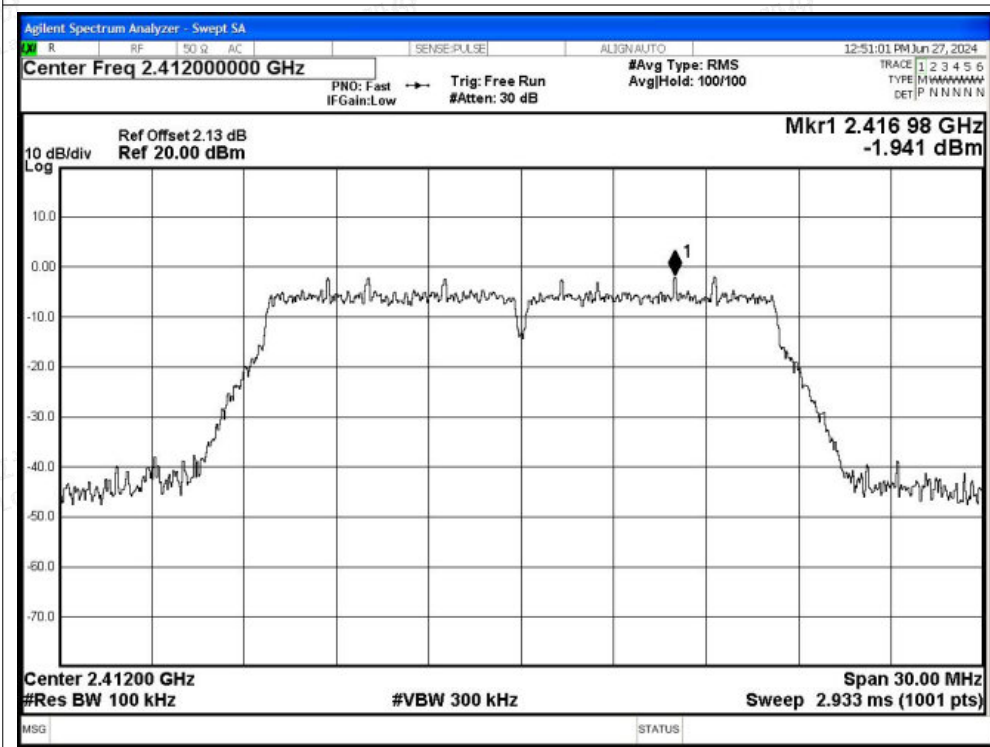


Band Edge NVNT b 2462MHz Ant1 Emission

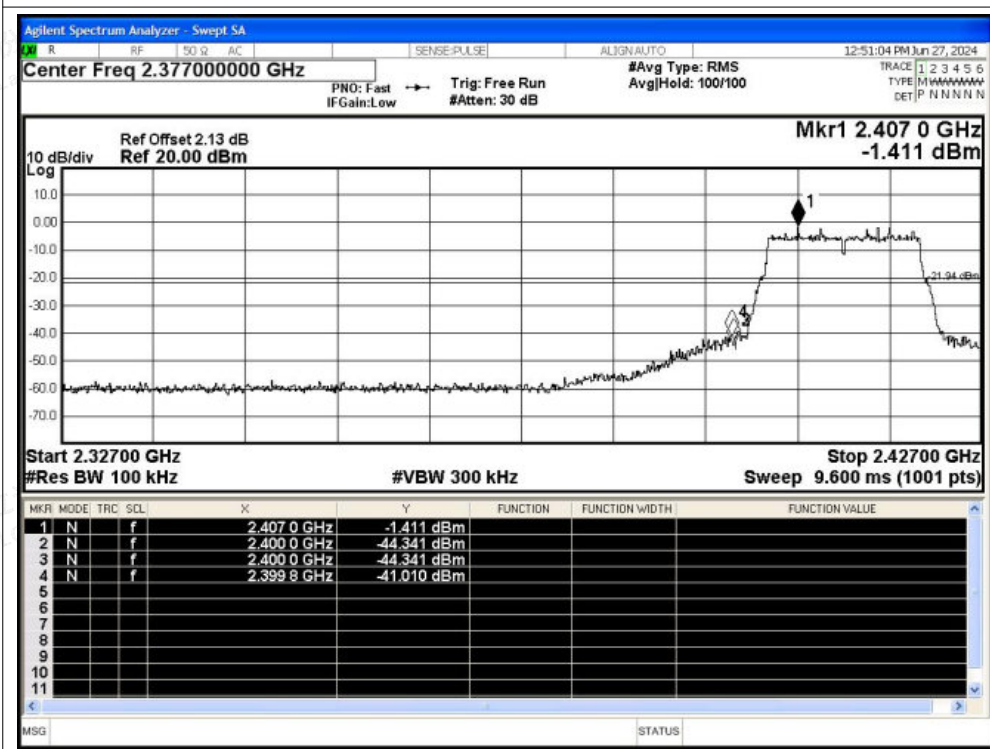




Band Edge NVNT g 2412MHz Ant1 Ref

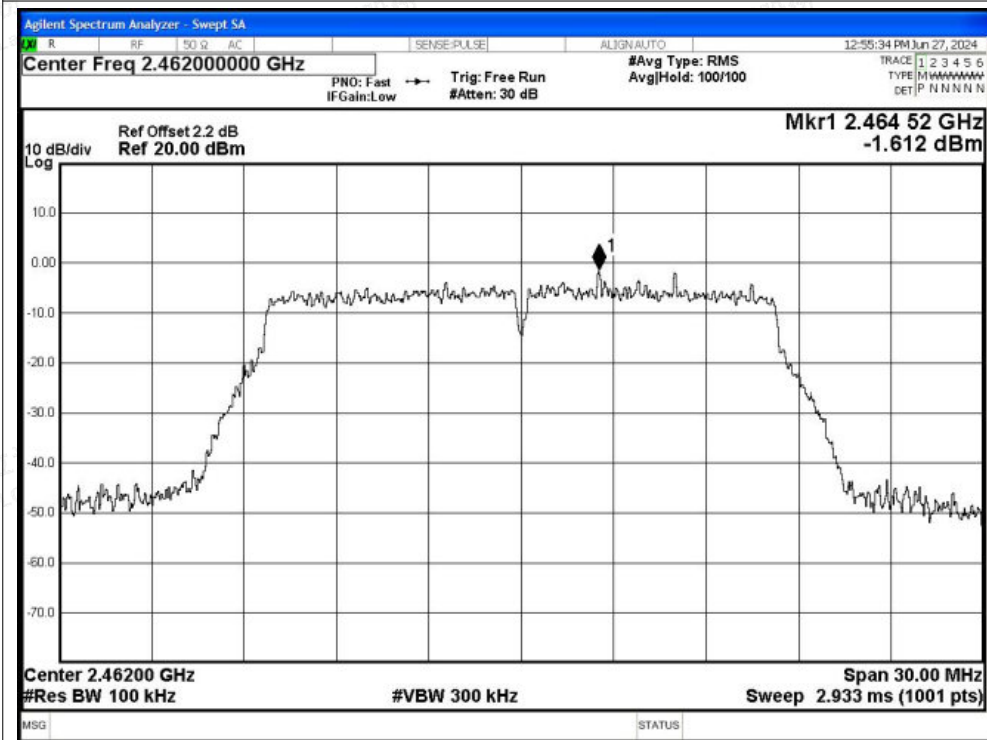


Band Edge NVNT g 2412MHz Ant1 Emission

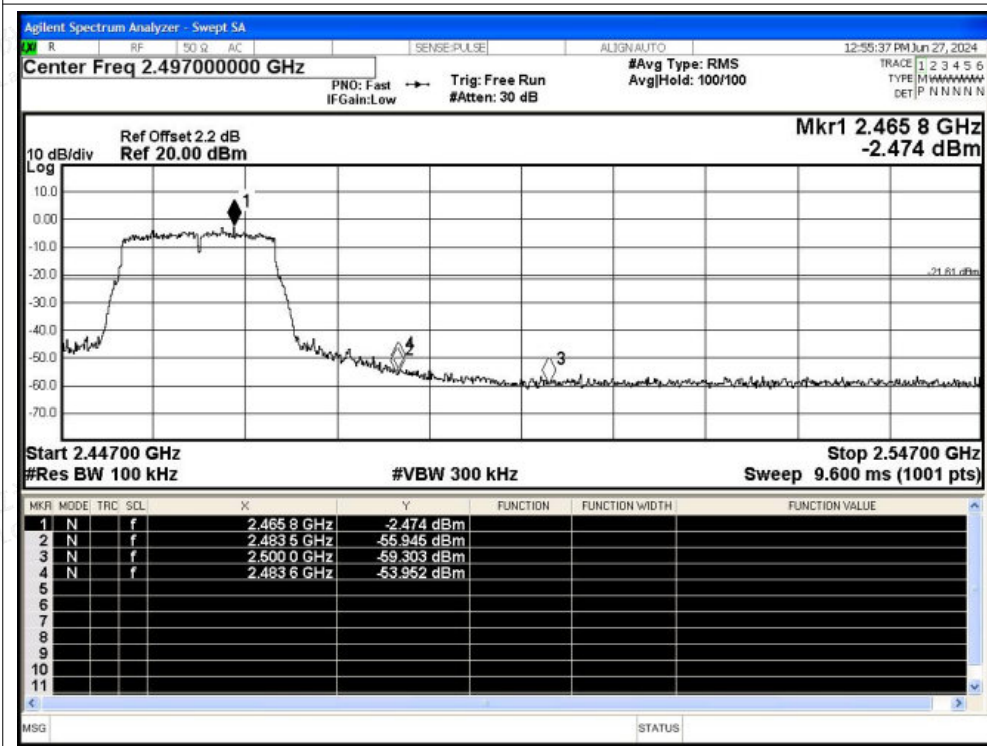




Band Edge NVNT g 2462MHz Ant1 Ref

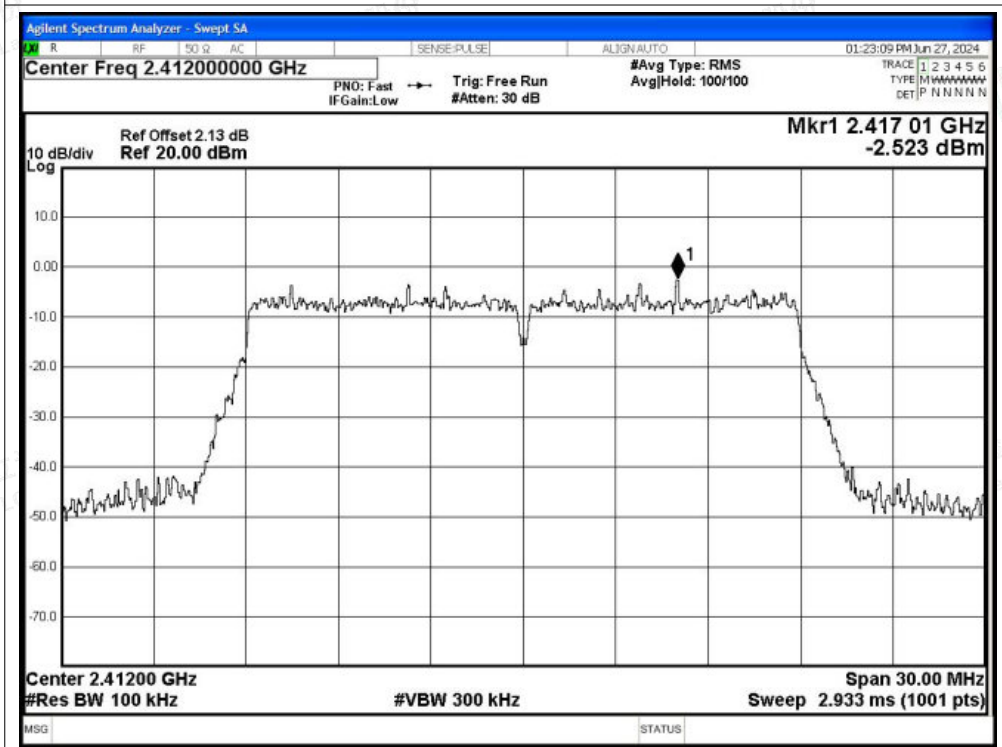


Band Edge NVNT g 2462MHz Ant1 Emission

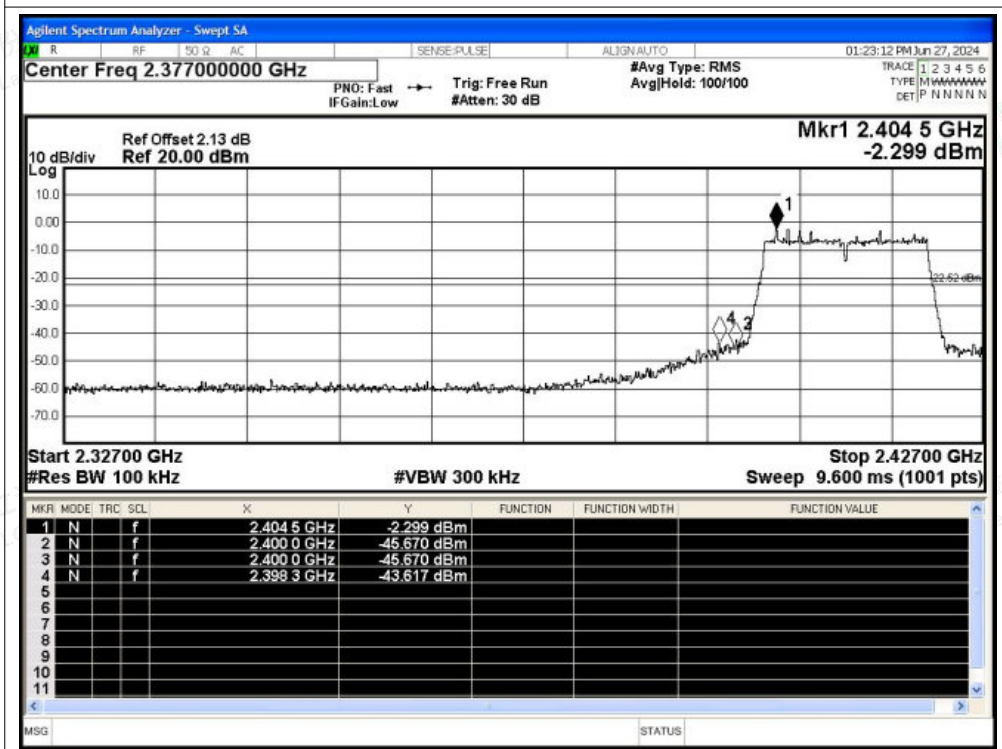




Band Edge NVNT n20 2412MHz Ant1 Ref

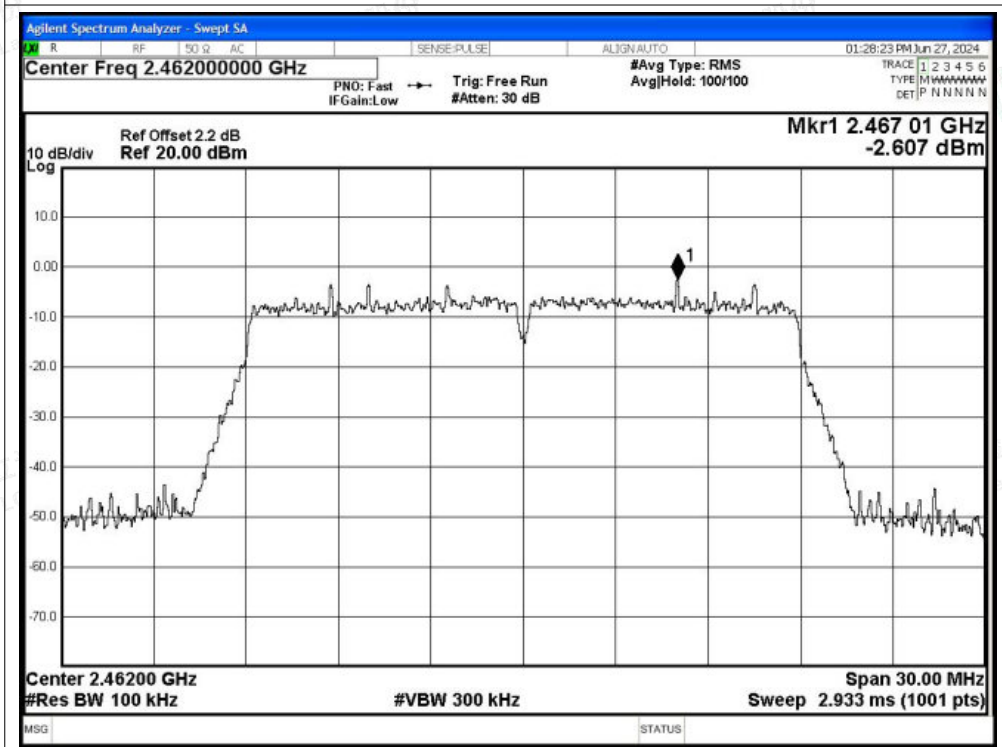


Band Edge NVNT n20 2412MHz Ant1 Emission

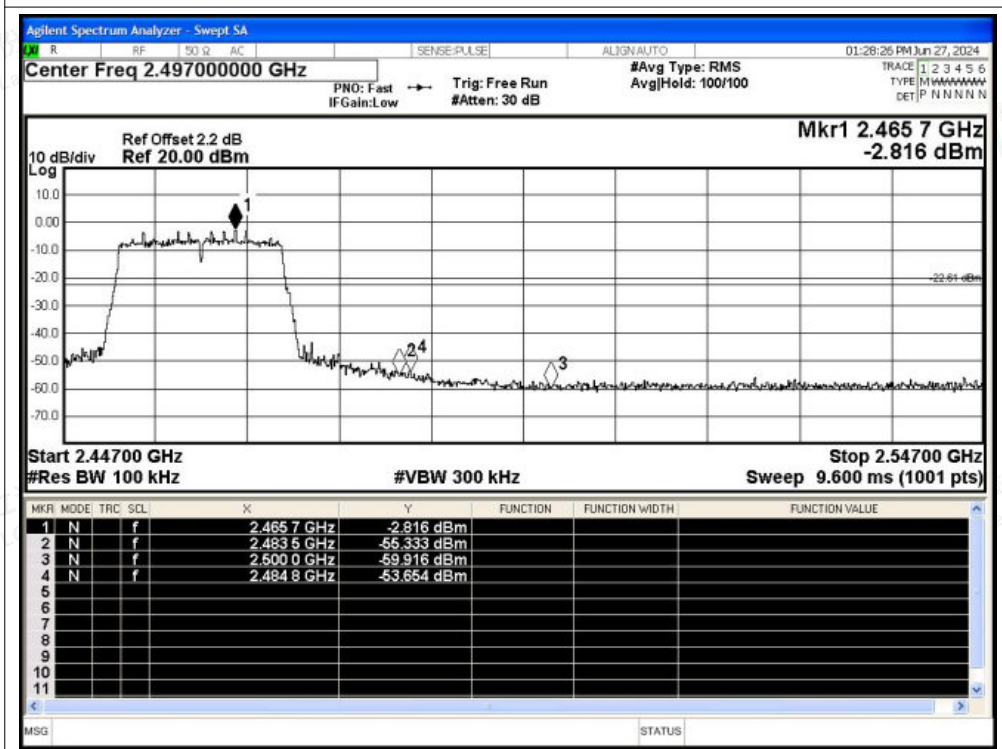




Band Edge NVNT n20 2462MHz Ant1 Ref



Band Edge NVNT n20 2462MHz Ant1 Emission





C.5 Conducted RF Spurious Emission

| Condition | Mode | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|------|-----------------|---------|-----------------|-------------|---------|
| NVNT | b | 2412 | Ant1 | -50.44 | -20 | Pass |
| NVNT | b | 2437 | Ant1 | -51.15 | -20 | Pass |
| NVNT | b | 2462 | Ant1 | -51.48 | -20 | Pass |
| NVNT | g | 2412 | Ant1 | -44.93 | -20 | Pass |
| NVNT | g | 2437 | Ant1 | -43.57 | -20 | Pass |
| NVNT | g | 2462 | Ant1 | -44.04 | -20 | Pass |
| NVNT | n20 | 2412 | Ant1 | -43.25 | -20 | Pass |
| NVNT | n20 | 2437 | Ant1 | -43.82 | -20 | Pass |
| NVNT | n20 | 2462 | Ant1 | -43.09 | -20 | Pass |



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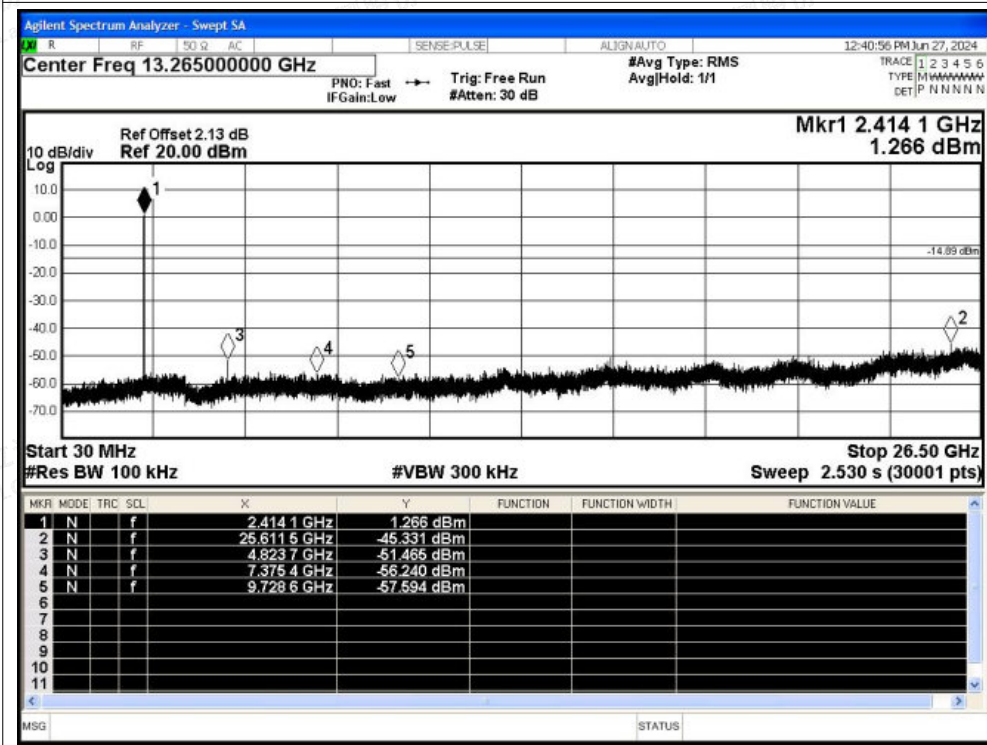


Test Graphs

Tx. Spurious NVNT b 2412MHz Ant1 Ref



Tx. Spurious NVNT b 2412MHz Ant1 Emission

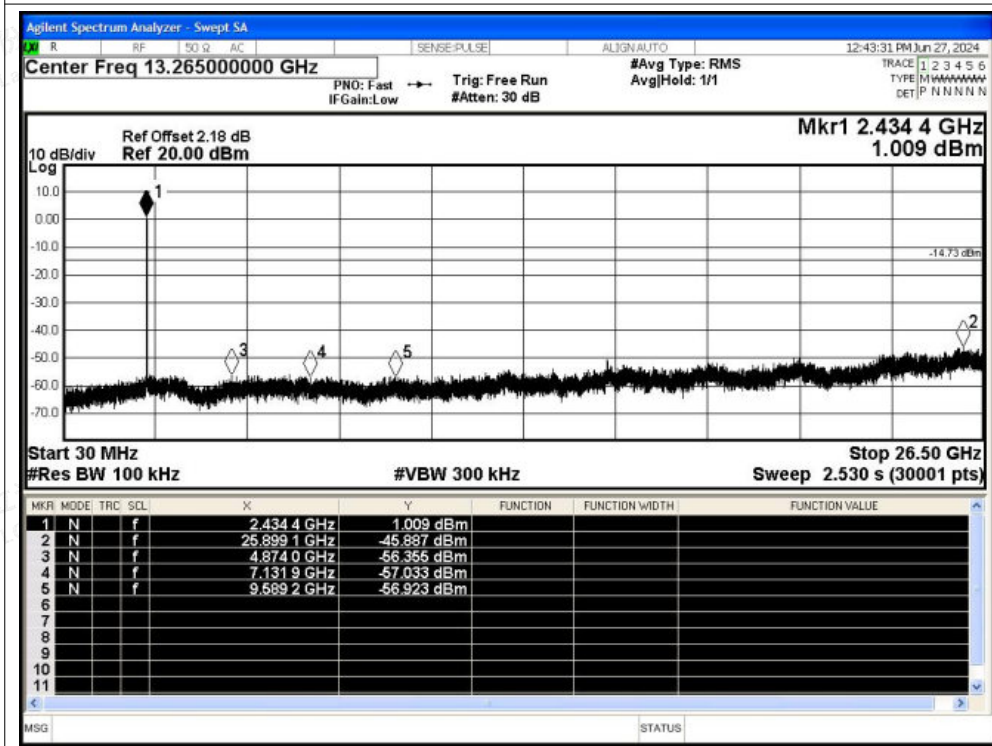




Tx. Spurious NVNT b 2437MHz Ant1 Ref

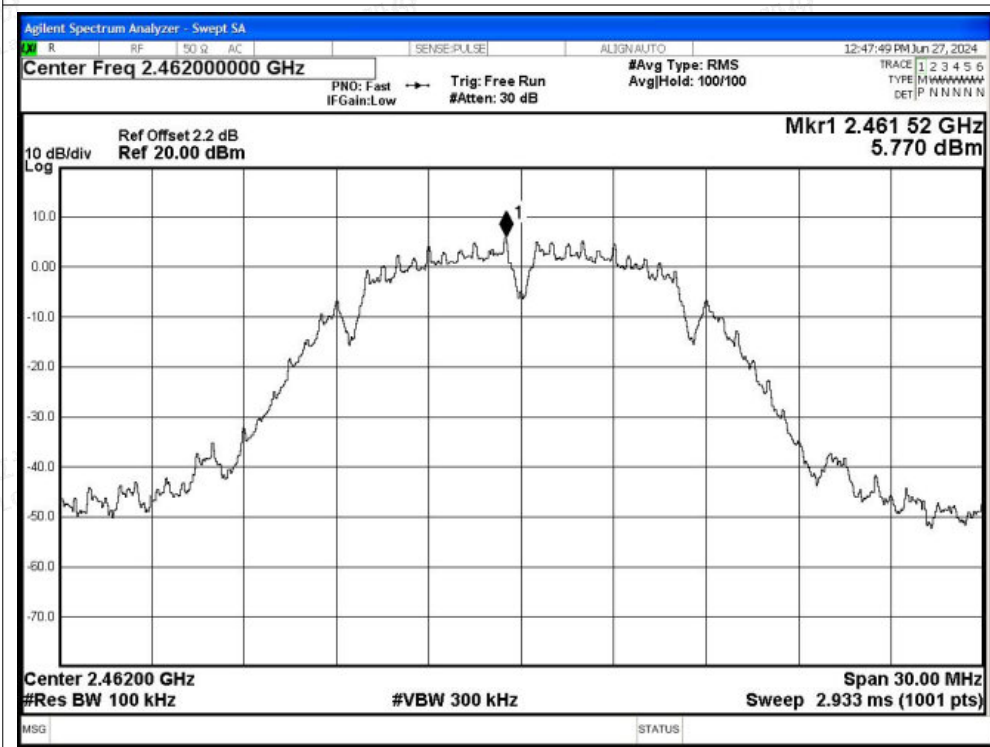


Tx. Spurious NVNT b 2437MHz Ant1 Emission

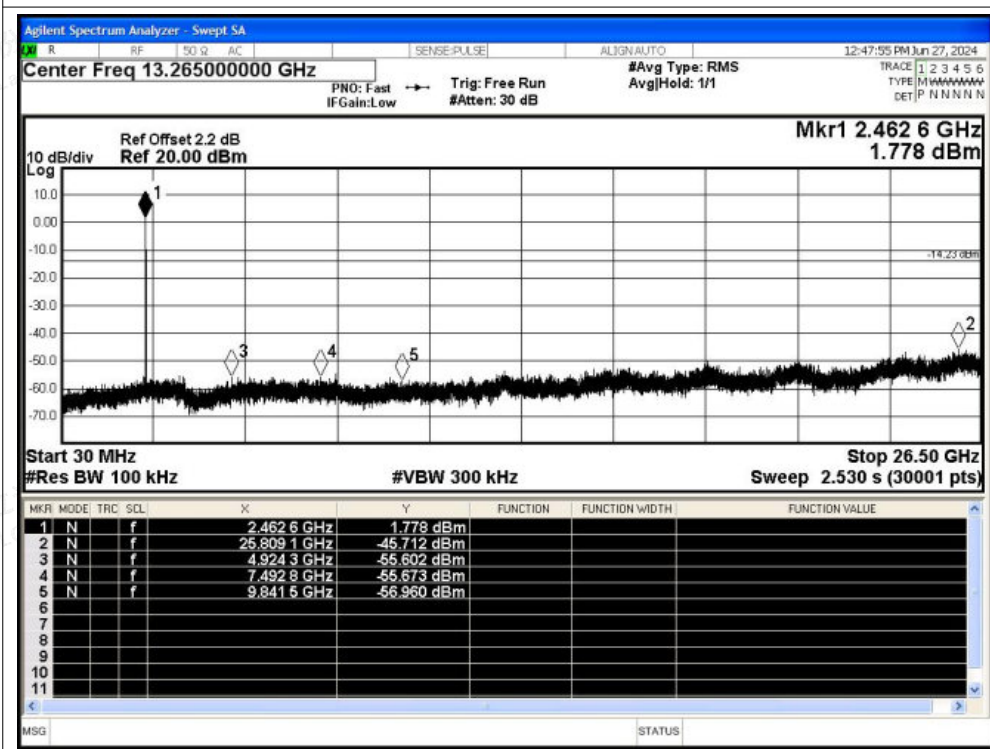




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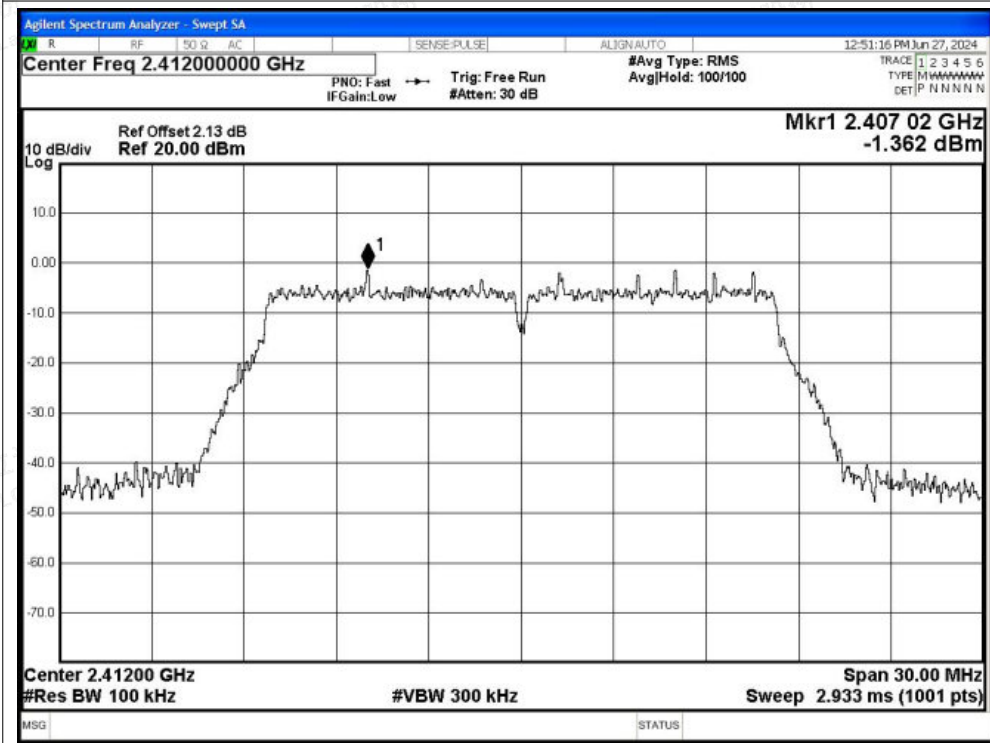


Tx. Spurious NVNT b 2462MHz Ant1 Emission

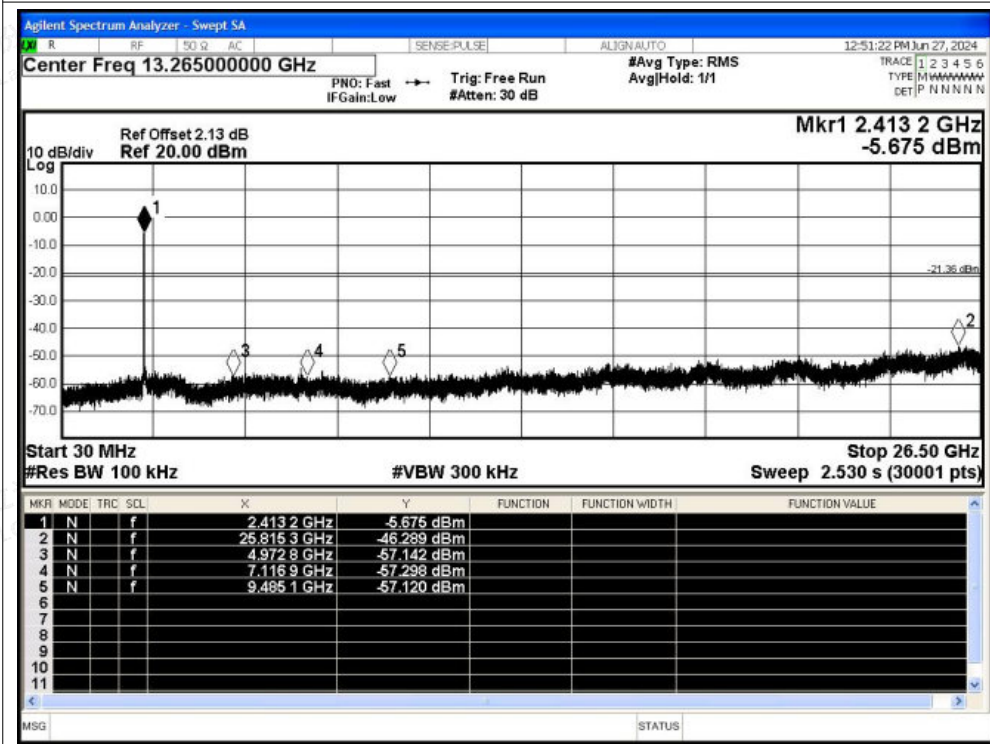




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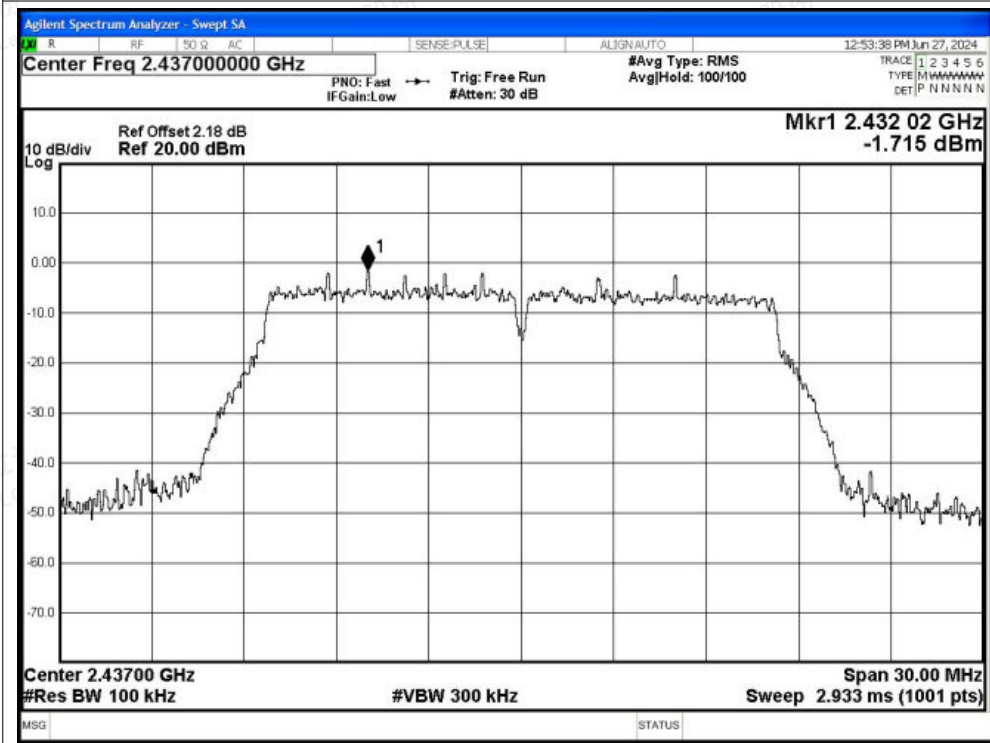


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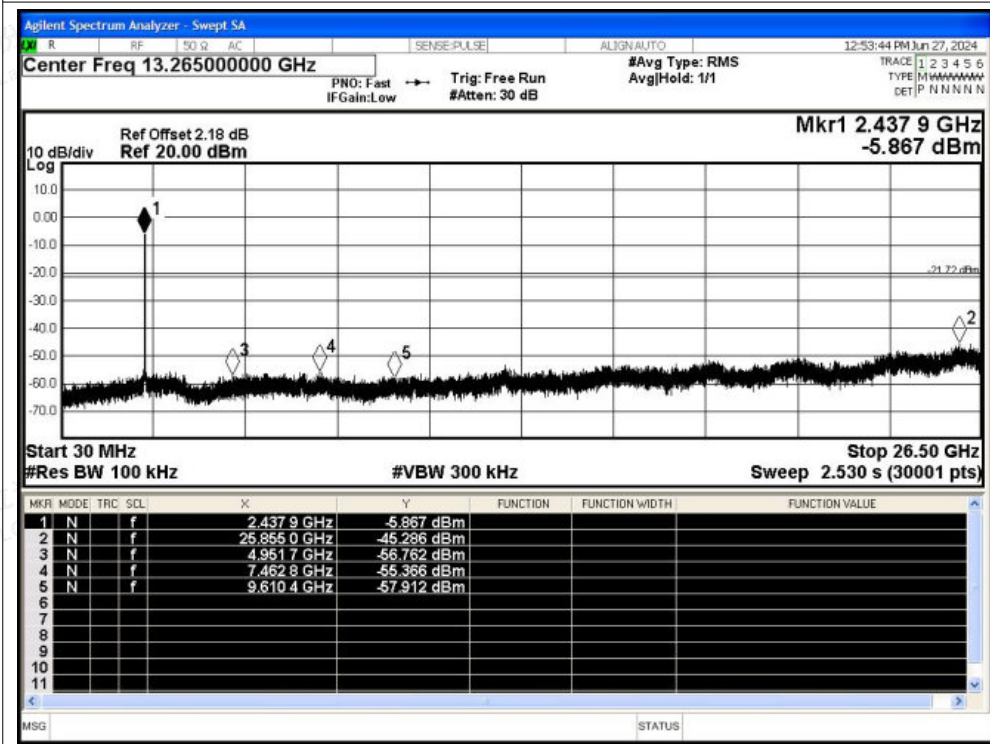




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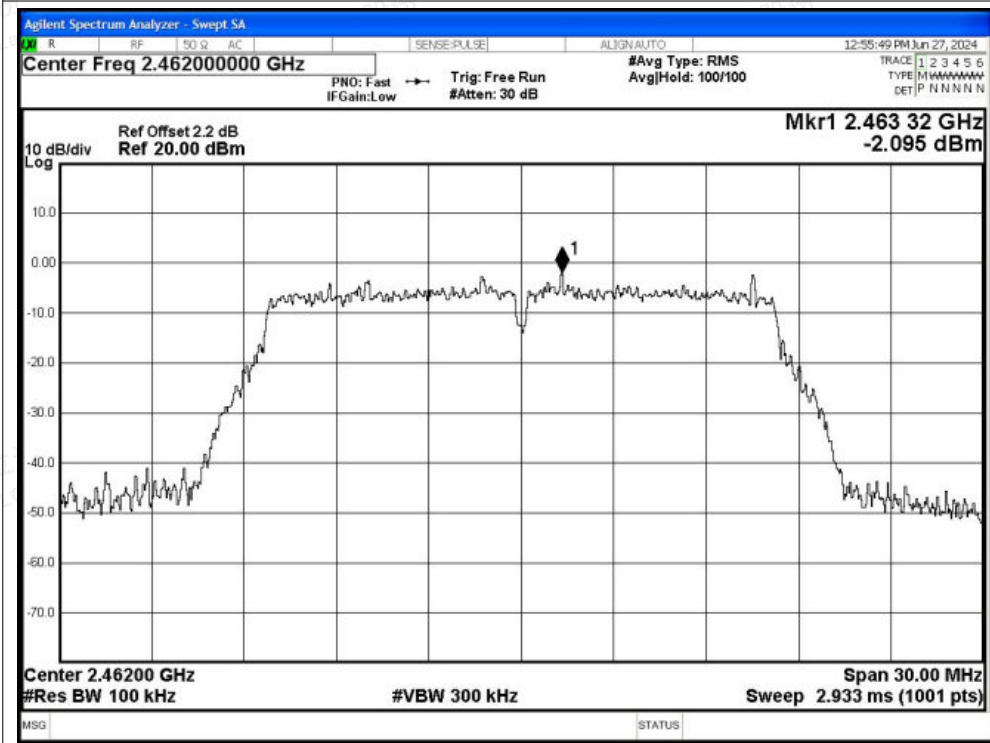


Tx. Spurious NVNT g 2437MHz Ant1 Emission

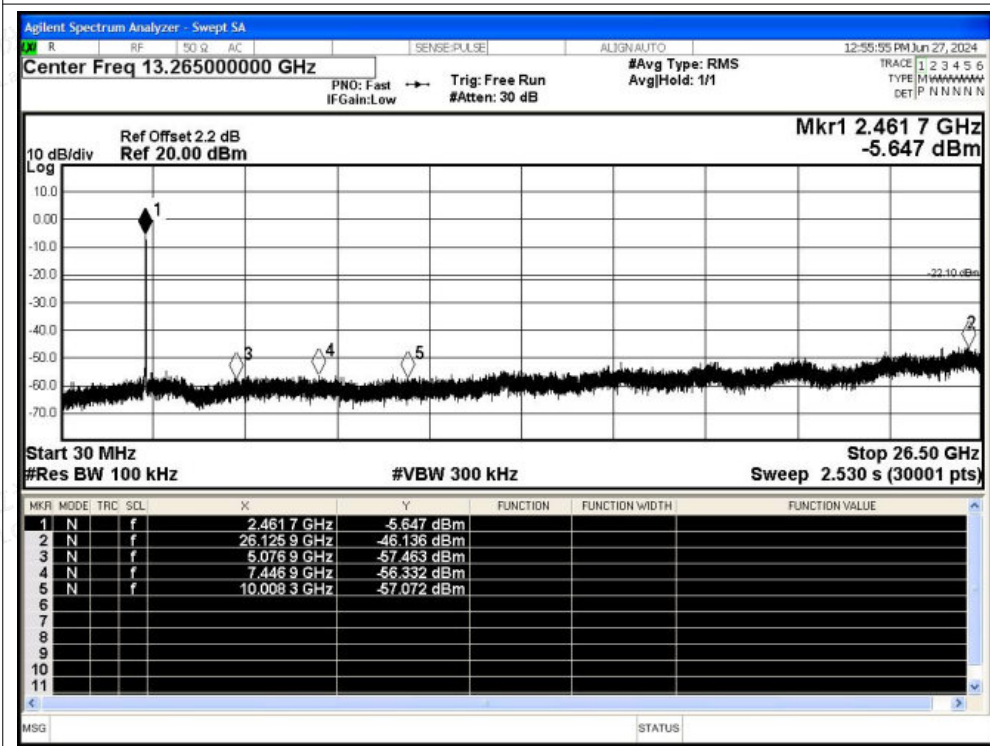




Tx. Spurious NVNT g 2462MHz Ant1 Ref

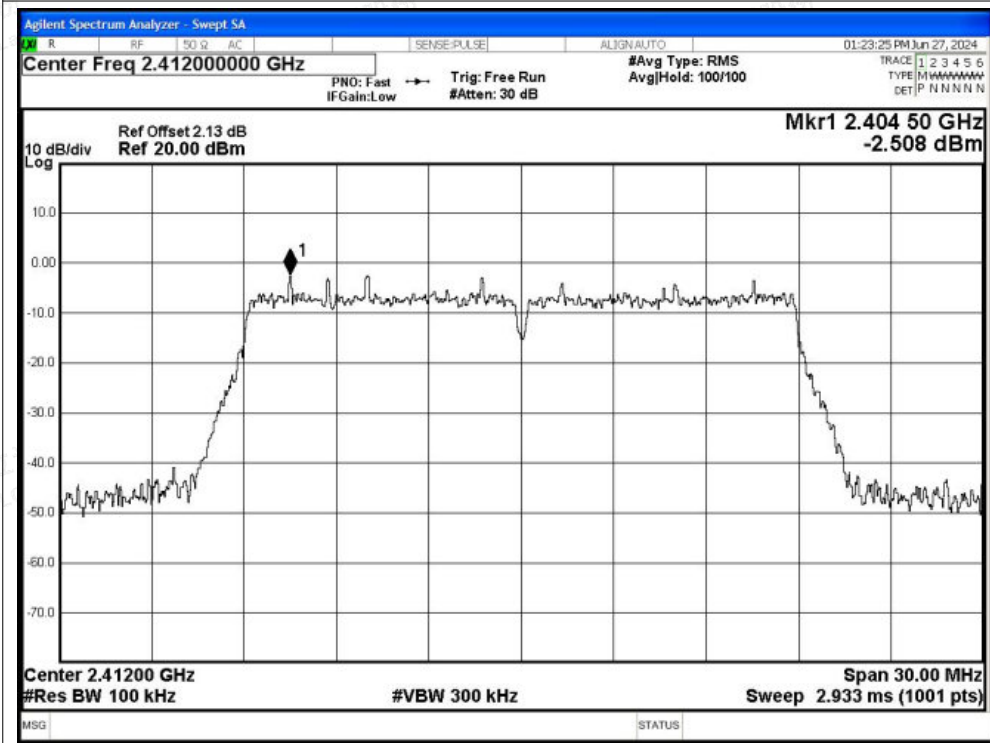


Tx. Spurious NVNT g 2462MHz Ant1 Emission

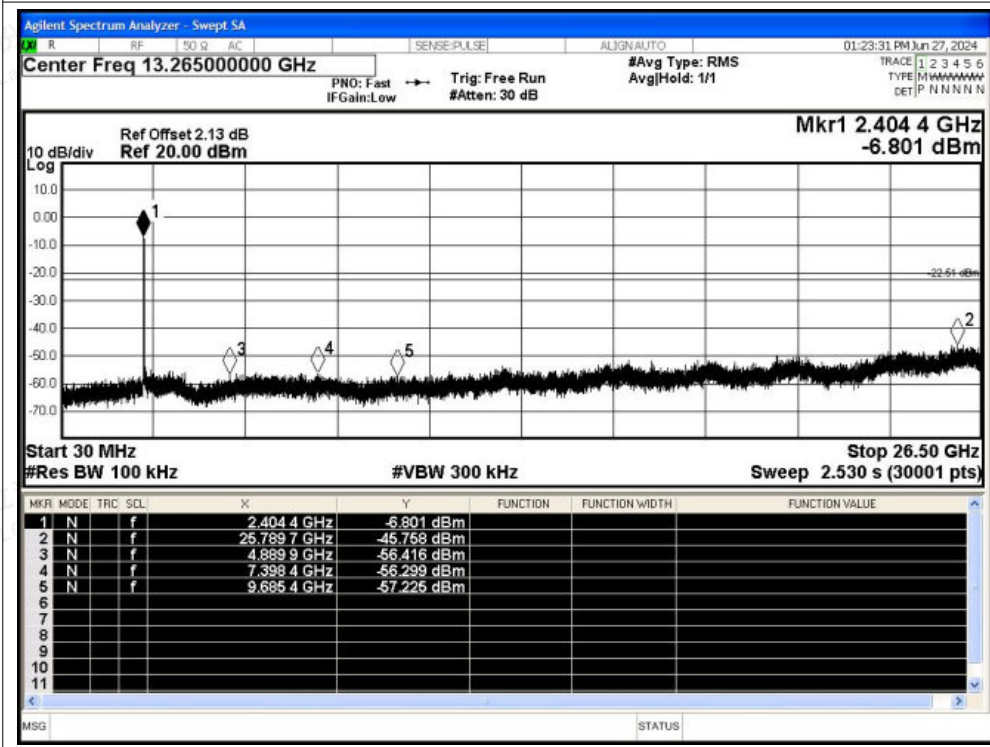




Tx. Spurious NVNT n20 2412MHz Ant1 Ref

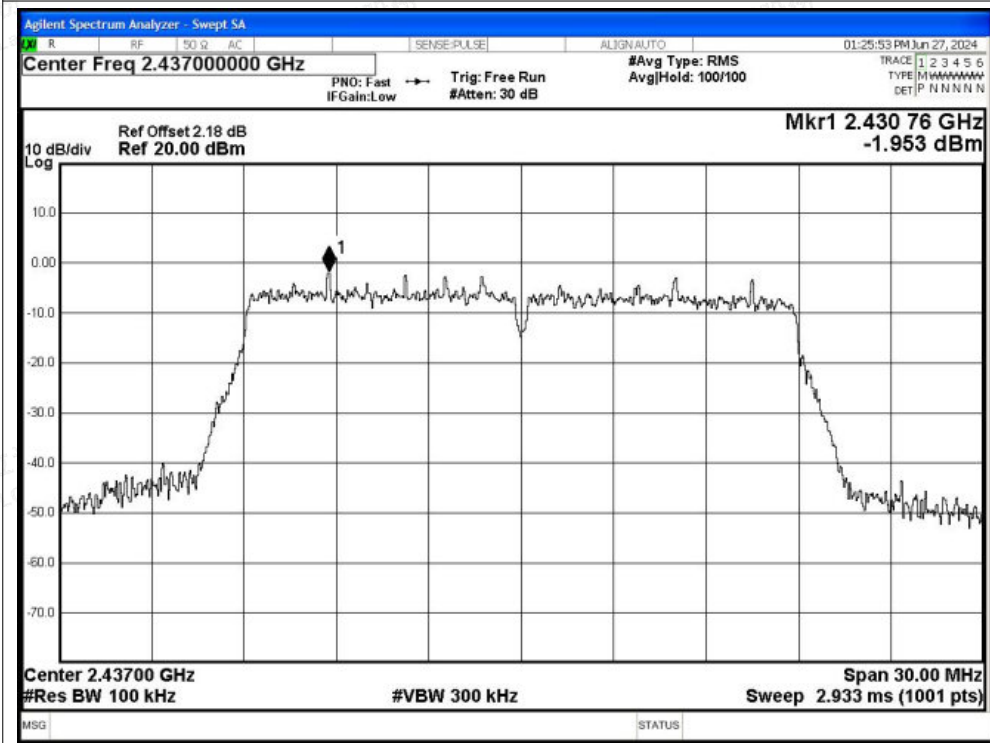


Tx. Spurious NVNT n20 2412MHz Ant1 Emission

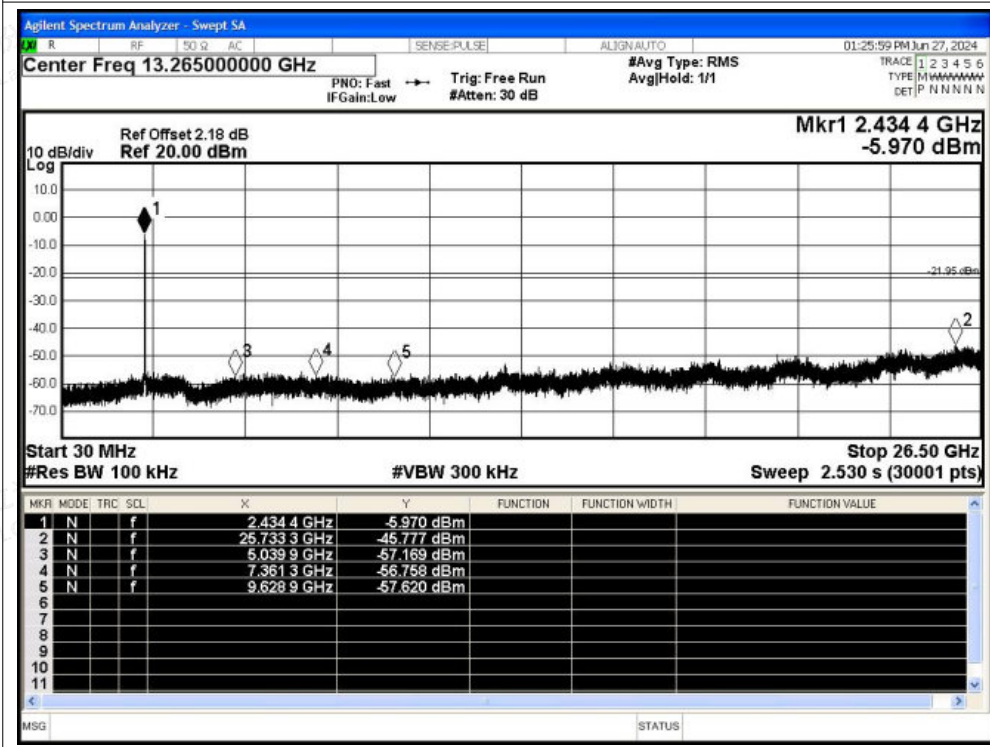




Tx. Spurious NVNT n20 2437MHz Ant1 Ref

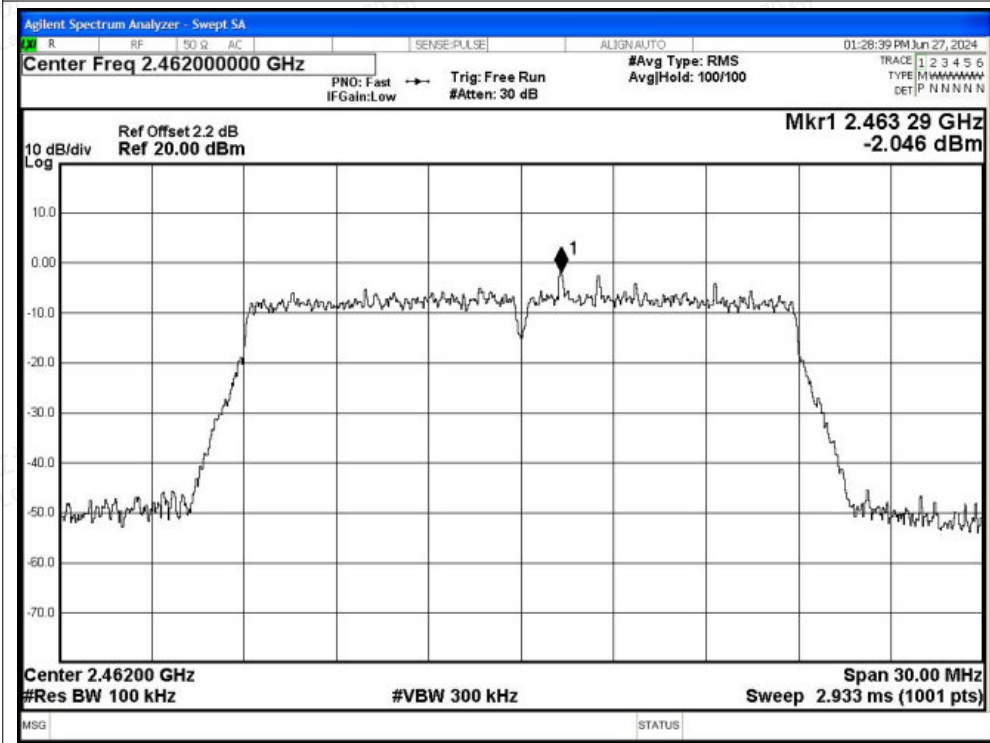


Tx. Spurious NVNT n20 2437MHz Ant1 Emission

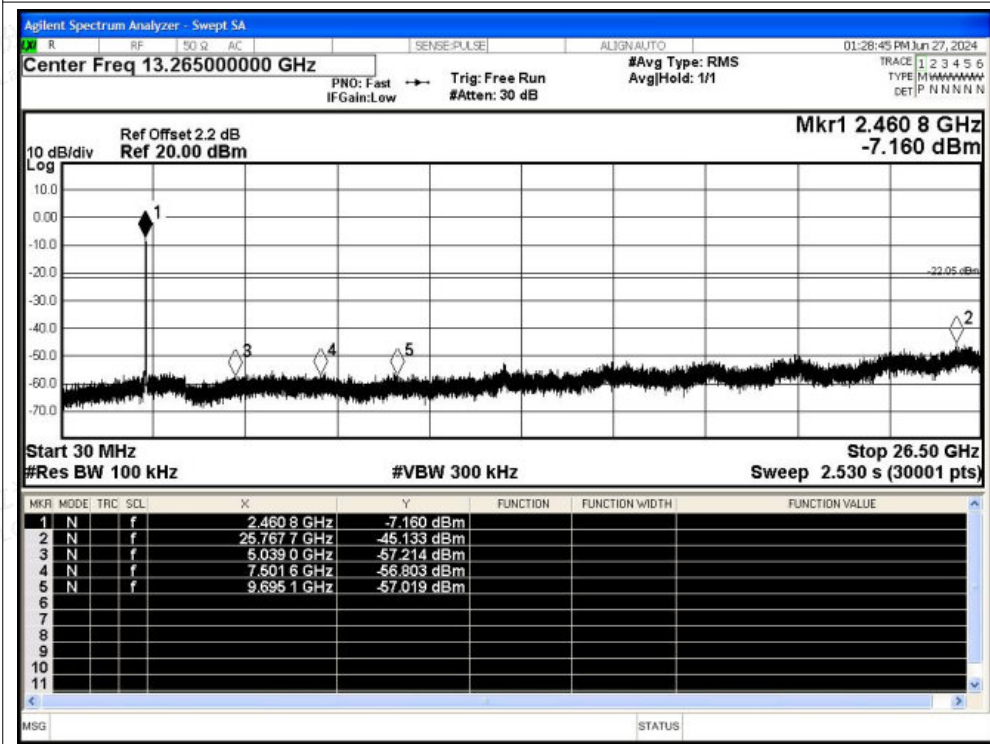




Tx. Spurious NVNT n20 2462MHz Ant1 Ref



Tx. Spurious NVNT n20 2462MHz Ant1 Emission





C.6 Duty Cycle

| Condition | Mode | Frequency (MHz) | Antenna | Duty Cycle (%) | Correction Factor (dB) | 1/T (kHz) |
|-----------|------|-----------------|---------|----------------|------------------------|-----------|
| NVNT | b | 2412 | Ant1 | 99.58 | 0 | 0.15 |
| NVNT | b | 2437 | Ant1 | 99.55 | 0 | 0.15 |
| NVNT | b | 2462 | Ant1 | 99.55 | 0 | 0.15 |
| NVNT | g | 2412 | Ant1 | 97.56 | 0.11 | 0.73 |
| NVNT | g | 2437 | Ant1 | 97.56 | 0.11 | 0.74 |
| NVNT | g | 2462 | Ant1 | 97.42 | 0.11 | 0.74 |
| NVNT | n20 | 2412 | Ant1 | 97.69 | 0.1 | 0.66 |
| NVNT | n20 | 2437 | Ant1 | 97.81 | 0.1 | 0.66 |
| NVNT | n20 | 2462 | Ant1 | 97.69 | 0.1 | 0.66 |

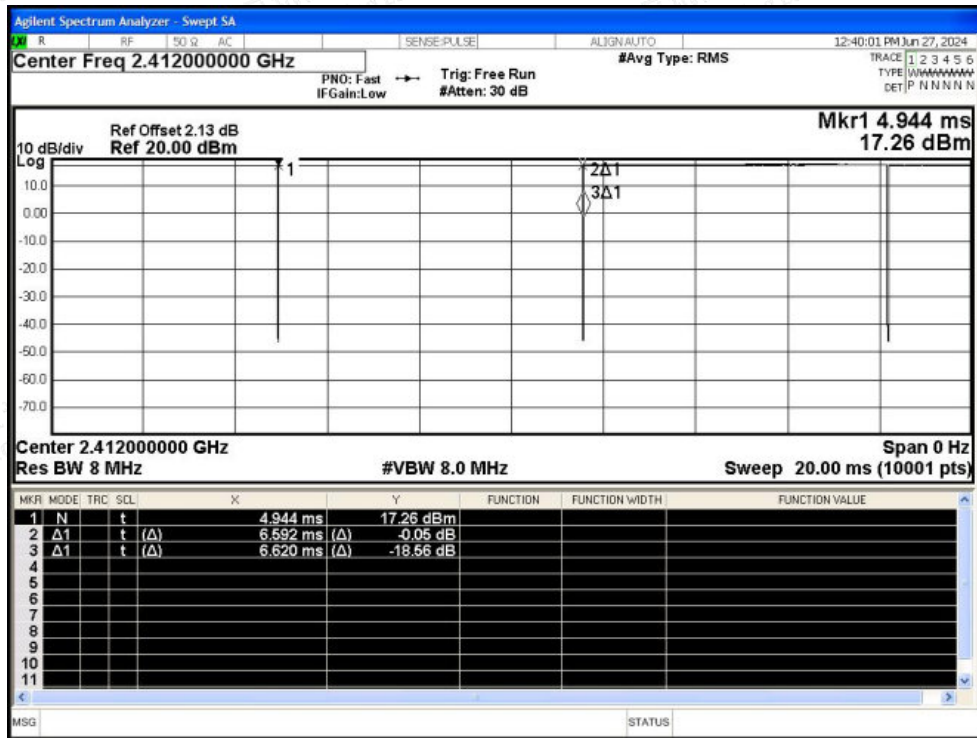


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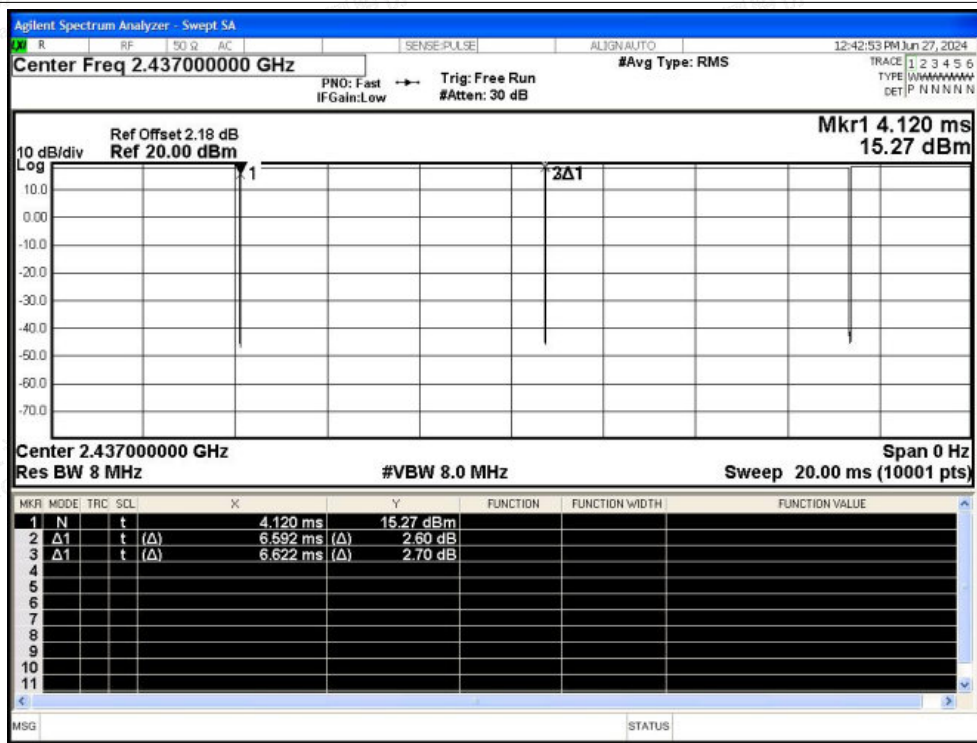


Test Graphs

Duty Cycle NVNT b 2412MHz Ant1

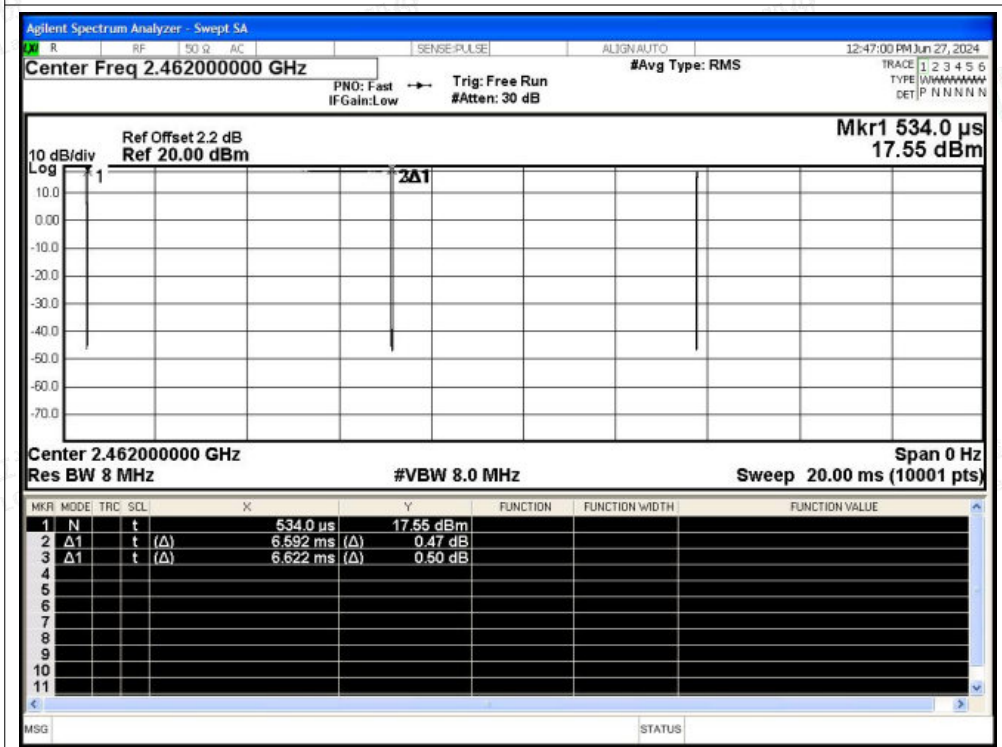


Duty Cycle NVNT b 2437MHz Ant1

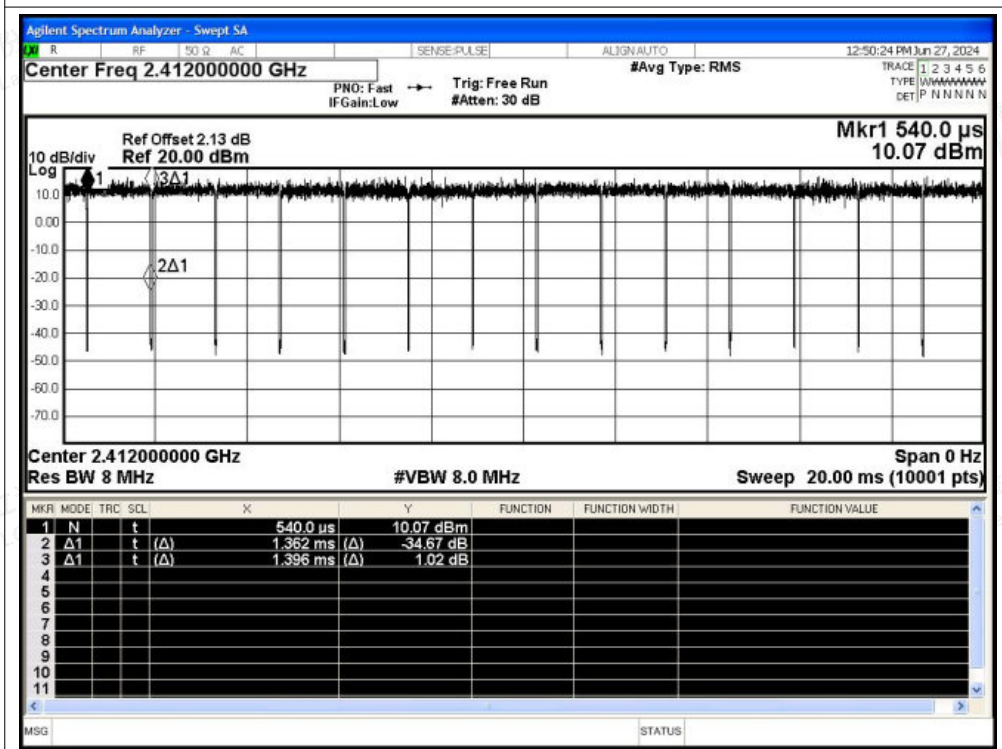




Duty Cycle NVNT b 2462MHz Ant1

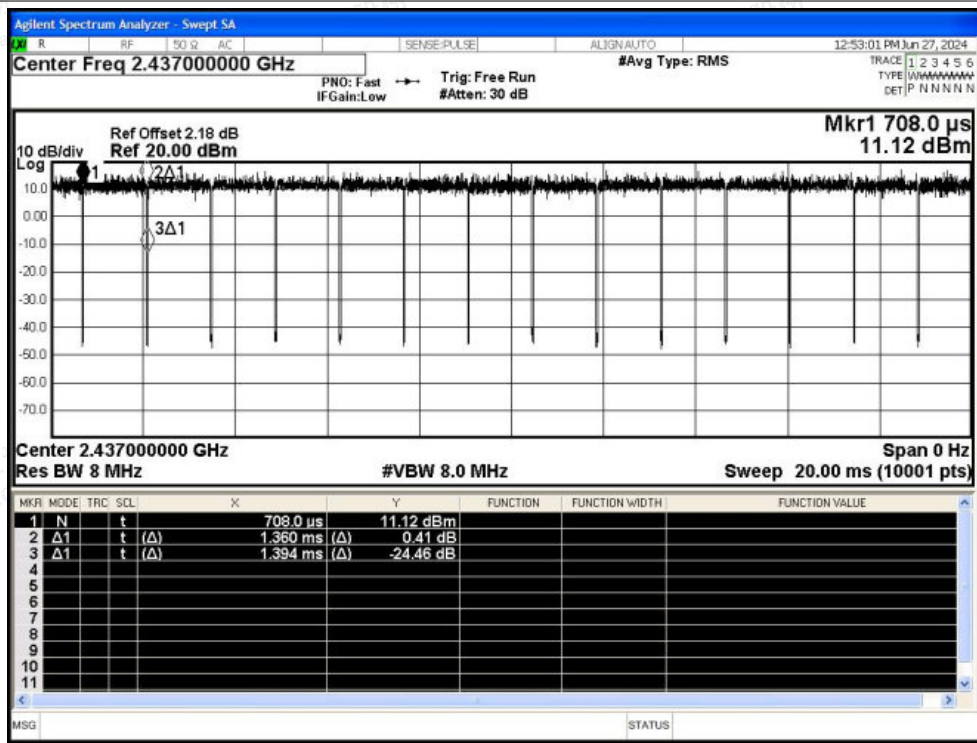


Duty Cycle NVNT g 2412MHz Ant1

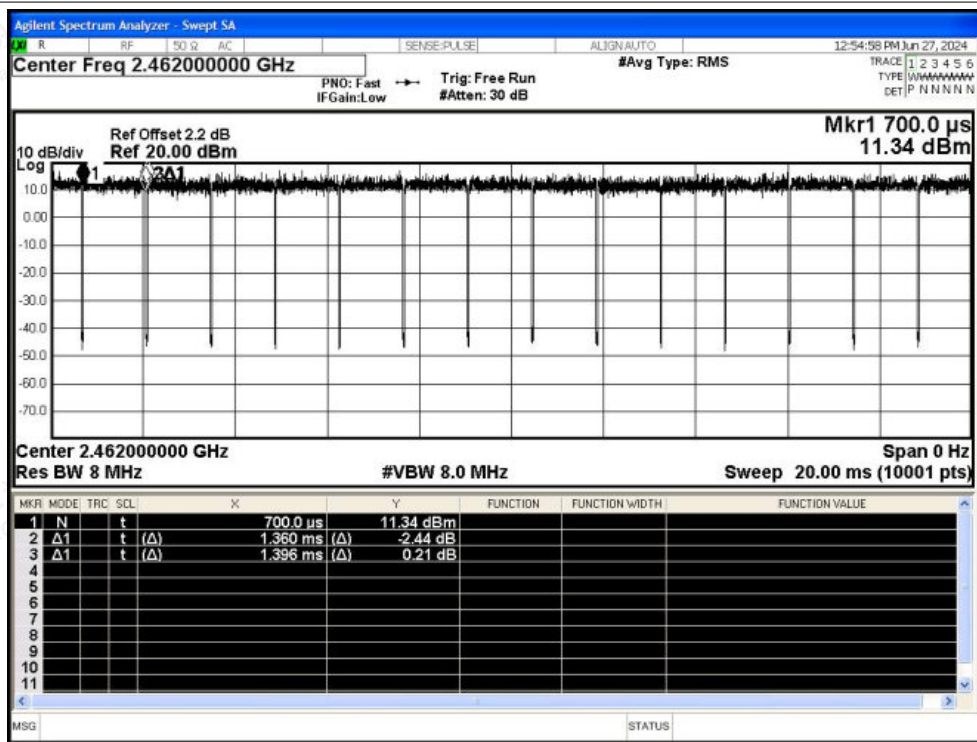




Duty Cycle NVNT g 2437MHz Ant1

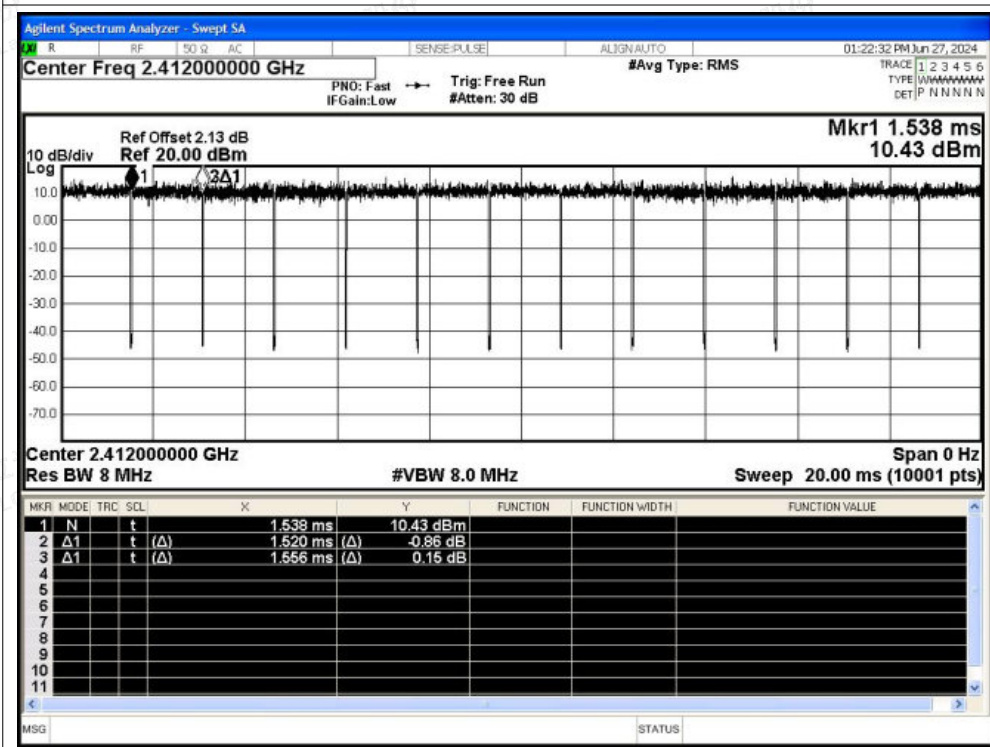


Duty Cycle NVNT g 2462MHz Ant1

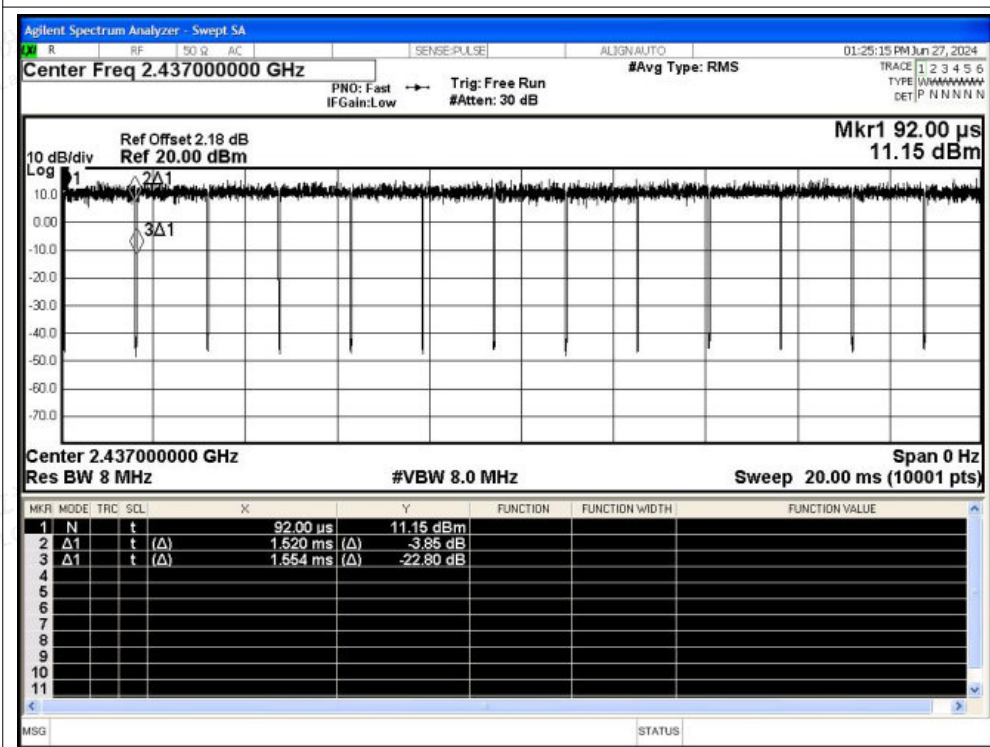




Duty Cycle NVNT n20 2412MHz Ant1

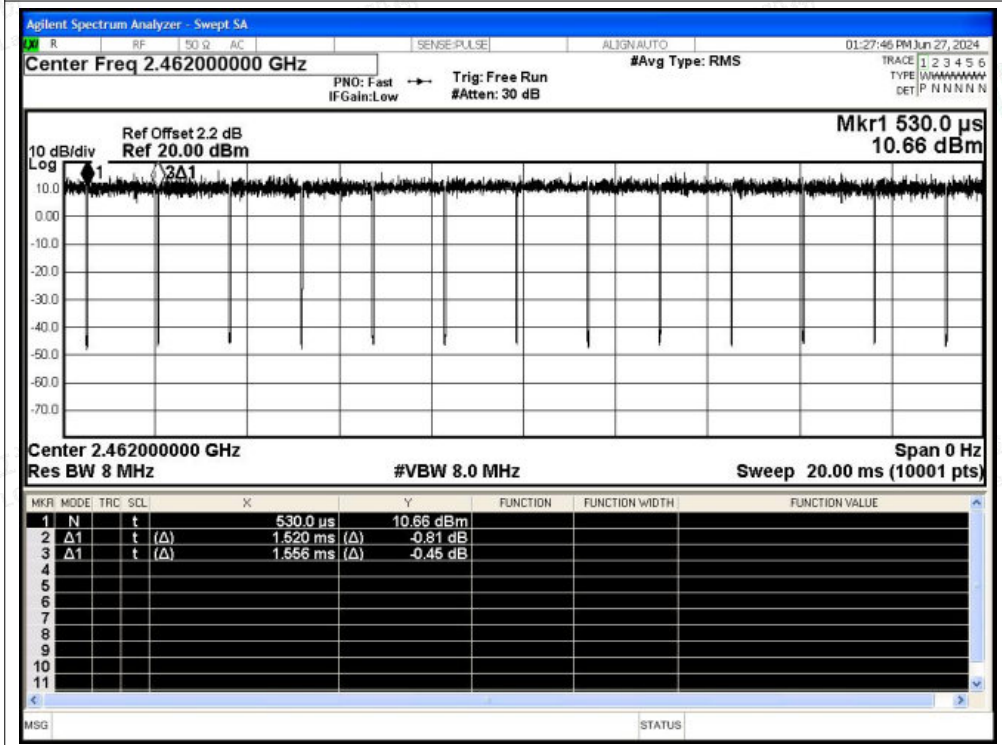


Duty Cycle NVNT n20 2437MHz Ant1





Duty Cycle NVNT n20 2462MHz Ant1





C.7 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 | b | 2412 | Ant1 | 2310 | -51.12 | 2.84 | - | 46.98 | Peak | 74 | Pass |
| NVNT | b | 2412 | Ant1 | 2310 | -58.11 | 2.84 | 0 | 39.99 | Average | 54 | Pass |
| NVNT | b | 2412 | Ant1 | 2379.498 | -46.65 | 2.84 | - | 51.45 | Peak | 74 | Pass |
| NVNT | b | 2412 | Ant1 | 2387.571 | -57.44 | 2.84 | 0 | 40.66 | Average | 54 | Pass |
| NVNT | b | 2412 | Ant1 | 2390 | -49.86 | 2.84 | - | 48.24 | Peak | 74 | Pass |
| NVNT | b | 2412 | Ant1 | 2390 | -58.23 | 2.84 | 0 | 39.87 | Average | 54 | Pass |
| NVNT | b | 2462 | Ant1 | 2483.5 | -49 | 2.84 | - | 49.10 | Peak | 74 | Pass |
| NVNT | b | 2462 | Ant1 | 2483.5 | -57.75 | 2.84 | 0 | 40.35 | Average | 54 | Pass |
| NVNT | b | 2462 | Ant1 | 2487.969 | -46.98 | 2.84 | - | 51.12 | Peak | 74 | Pass |
| NVNT | b | 2462 | Ant1 | 2497.933 | -57.05 | 2.84 | 0 | 41.05 | Average | 54 | Pass |
| NVNT | b | 2462 | Ant1 | 2500 | -51.03 | 2.84 | - | 47.07 | Peak | 74 | Pass |
| NVNT | b | 2462 | Ant1 | 2500 | -57.79 | 2.84 | 0 | 40.31 | Average | 54 | Pass |
| NVNT | g | 2412 | Ant1 | 2310 | -51.53 | 2.84 | - | 46.57 | Peak | 74 | Pass |
| NVNT | g | 2412 | Ant1 | 2310 | -58.25 | 2.84 | 0.11 | 39.96 | Average | 54 | Pass |
| NVNT | g | 2412 | Ant1 | 2385.231 | -47.26 | 2.84 | - | 50.84 | Peak | 74 | Pass |
| NVNT | g | 2412 | Ant1 | 2387.805 | -56.73 | 2.84 | 0.11 | 41.48 | Average | 54 | Pass |
| NVNT | g | 2412 | Ant1 | 2390 | -47.84 | 2.84 | - | 50.26 | Peak | 74 | Pass |
| NVNT | g | 2412 | Ant1 | 2390 | -57.21 | 2.84 | 0.11 | 41.00 | Average | 54 | Pass |
| NVNT | g | 2462 | Ant1 | 2483.5 | -48.08 | 2.84 | - | 50.02 | Peak | 74 | Pass |
| NVNT | g | 2462 | Ant1 | 2483.5 | -57.09 | 2.84 | 0.11 | 41.12 | Average | 54 | Pass |
| NVNT | g | 2462 | Ant1 | 2496.555 | -46.86 | 2.84 | - | 51.24 | Peak | 74 | Pass |
| NVNT | g | 2462 | Ant1 | 2484.577 | -56.32 | 2.84 | 0.11 | 41.89 | Average | 54 | Pass |
| NVNT | g | 2462 | Ant1 | 2500 | -50.63 | 2.84 | - | 47.47 | Peak | 74 | Pass |
| NVNT | g | 2462 | Ant1 | 2500 | -57.91 | 2.84 | 0.11 | 40.30 | Average | 54 | Pass |
| NVNT | n20 | 2412 | Ant1 | 2310 | -50.95 | 2.84 | - | 47.15 | Peak | 74 | Pass |
| NVNT | n20 | 2412 | Ant1 | 2310 | -58.72 | 2.84 | 0.1 | 39.48 | Average | 54 | Pass |
| NVNT | n20 | 2412 | Ant1 | 2385.114 | -46.23 | 2.84 | - | 51.87 | Peak | 74 | Pass |
| NVNT | n20 | 2412 | Ant1 | 2386.167 | -56.7 | 2.84 | 0.1 | 41.50 | Average | 54 | Pass |
| NVNT | n20 | 2412 | Ant1 | 2390 | -50.68 | 2.84 | - | 47.42 | Peak | 74 | Pass |
| NVNT | n20 | 2412 | Ant1 | 2390 | -57.21 | 2.84 | 0.1 | 40.99 | Average | 54 | Pass |
| NVNT | n20 | 2462 | Ant1 | 2483.5 | -49.2 | 2.84 | - | 48.90 | Peak | 74 | Pass |
| NVNT | n20 | 2462 | Ant1 | 2483.5 | -56.84 | 2.84 | 0.1 | 41.36 | Average | 54 | Pass |
| NVNT | n20 | 2462 | Ant1 | 2483.782 | -46.87 | 2.84 | - | 51.23 | Peak | 74 | Pass |
| NVNT | n20 | 2462 | Ant1 | 2484.471 | -56.35 | 2.84 | 0.1 | 41.85 | Average | 54 | Pass |
| NVNT | n20 | 2462 | Ant1 | 2500 | -50.41 | 2.84 | - | 47.69 | Peak | 74 | Pass |
| NVNT | n20 | 2462 | Ant1 | 2500 | -57.77 | 2.84 | 0.1 | 40.43 | Average | 54 | Pass |

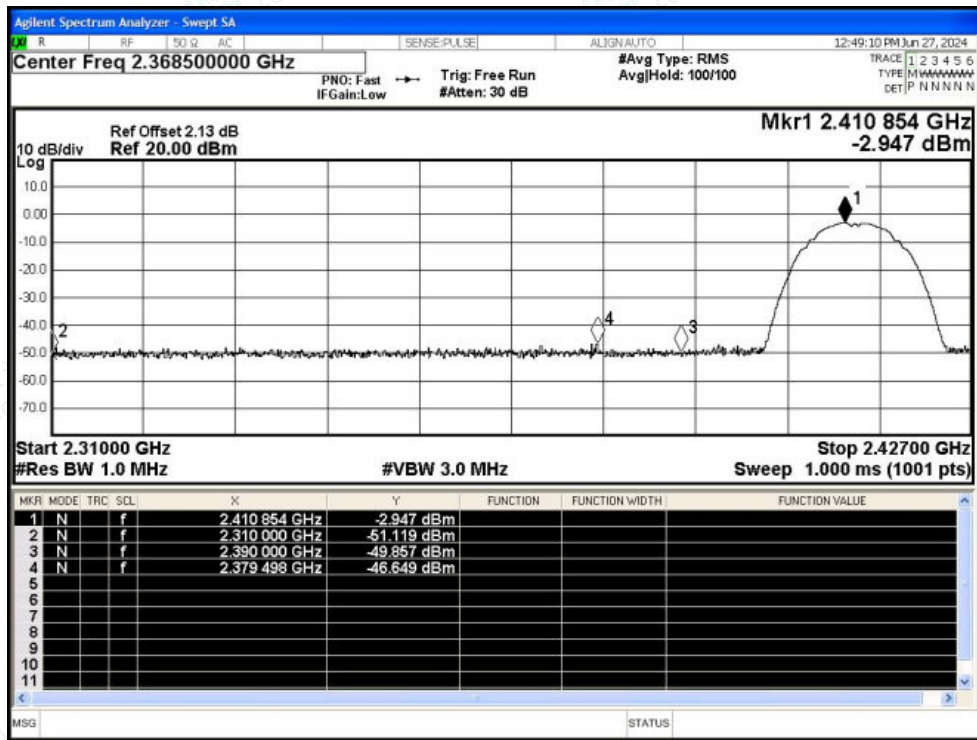


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Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com
Scan code to check authenticity

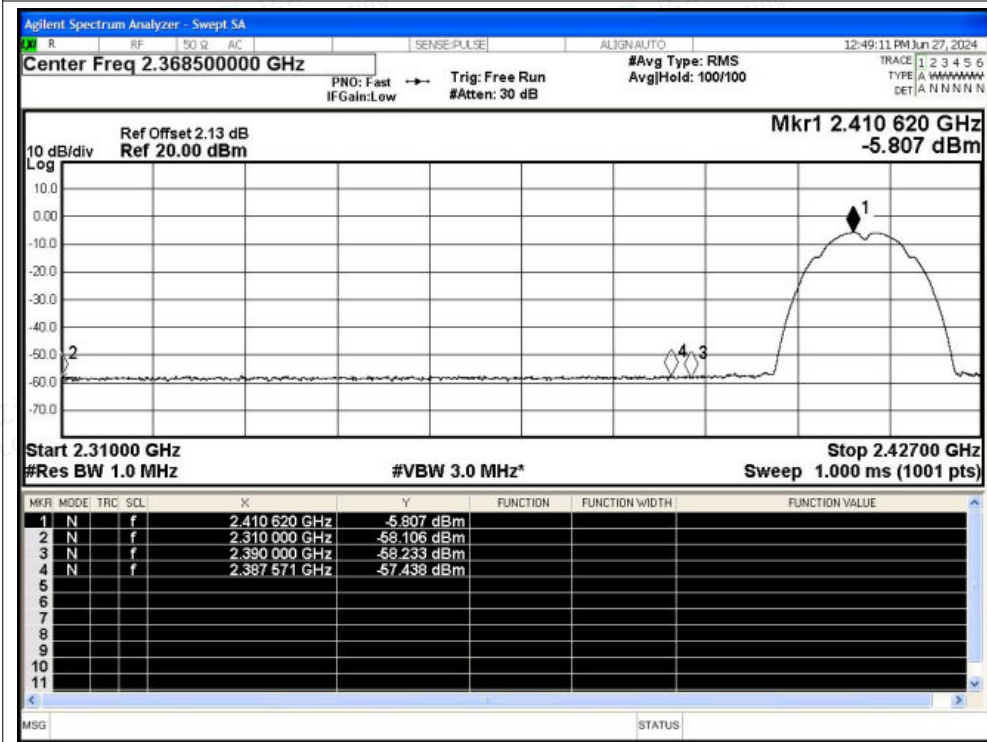


Test Graphs

Restrict Band NVNT b 2412MHz Ant1 Peak

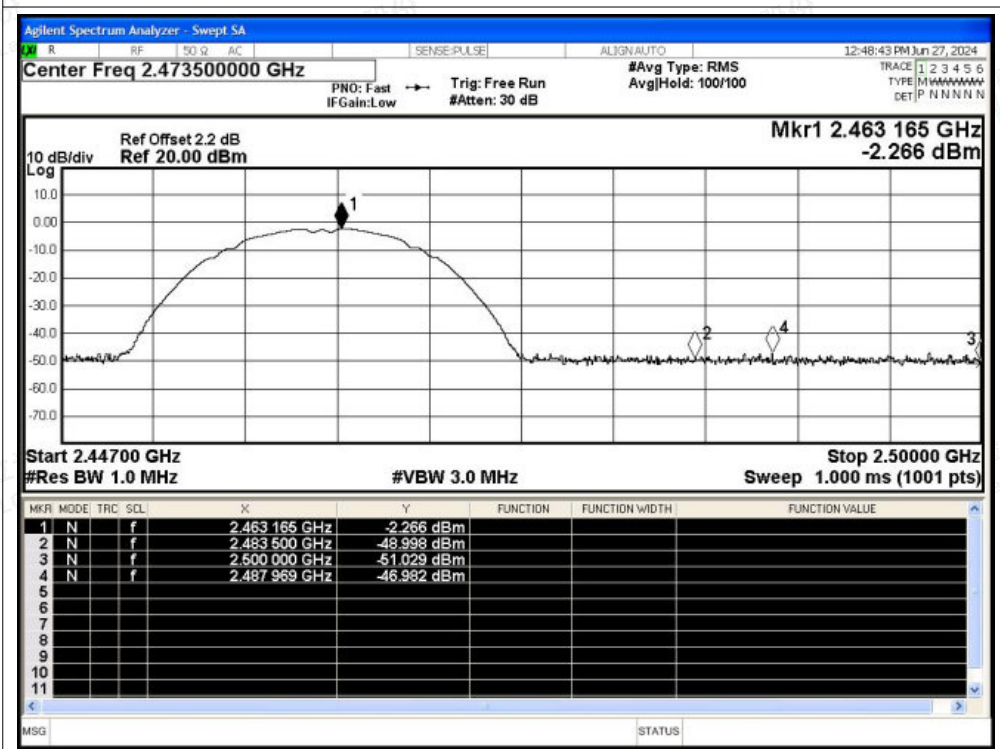


Restrict Band NVNT b 2412MHz Ant1 Average

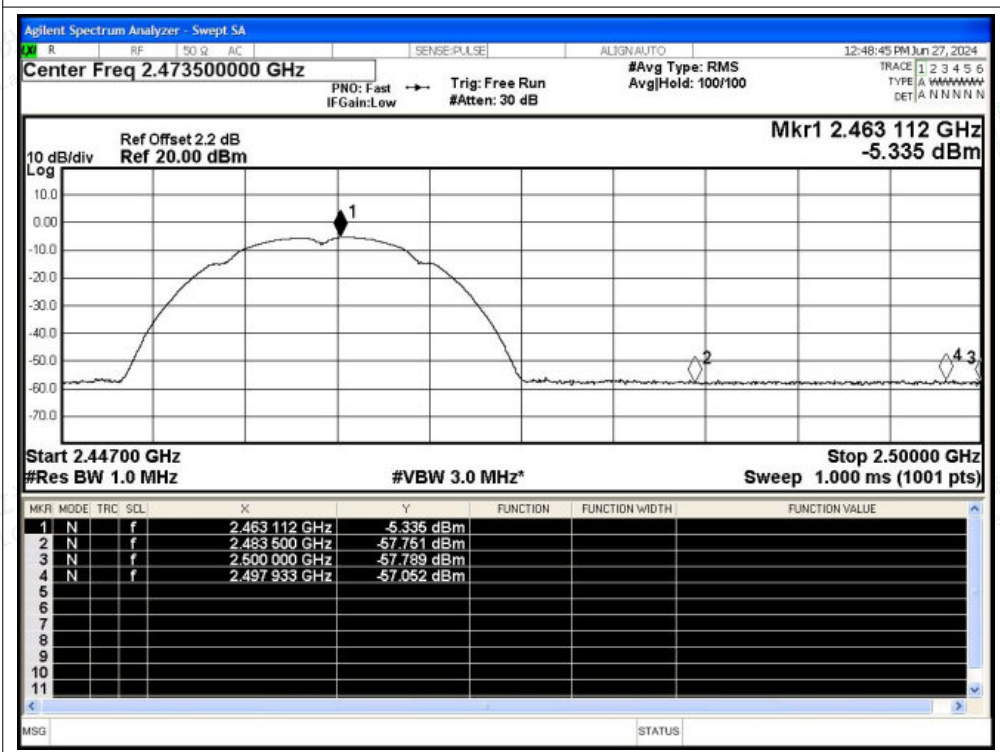




Restrict Band NVNT b 2462MHz Ant1 Peak

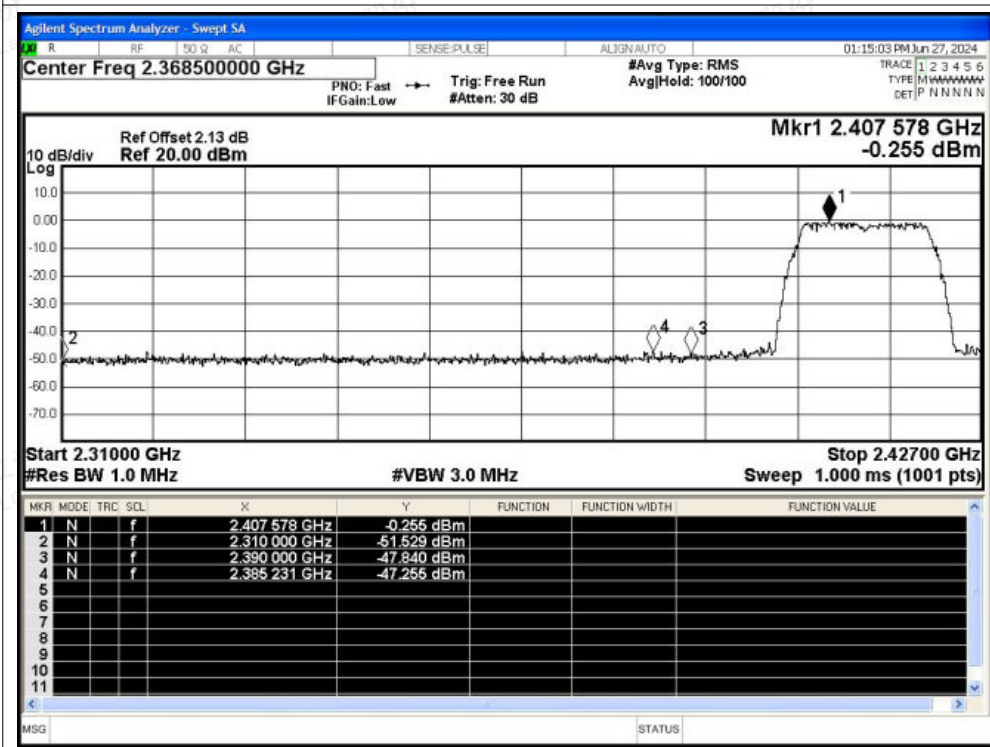


Restrict Band NVNT b 2462MHz Ant1 Average

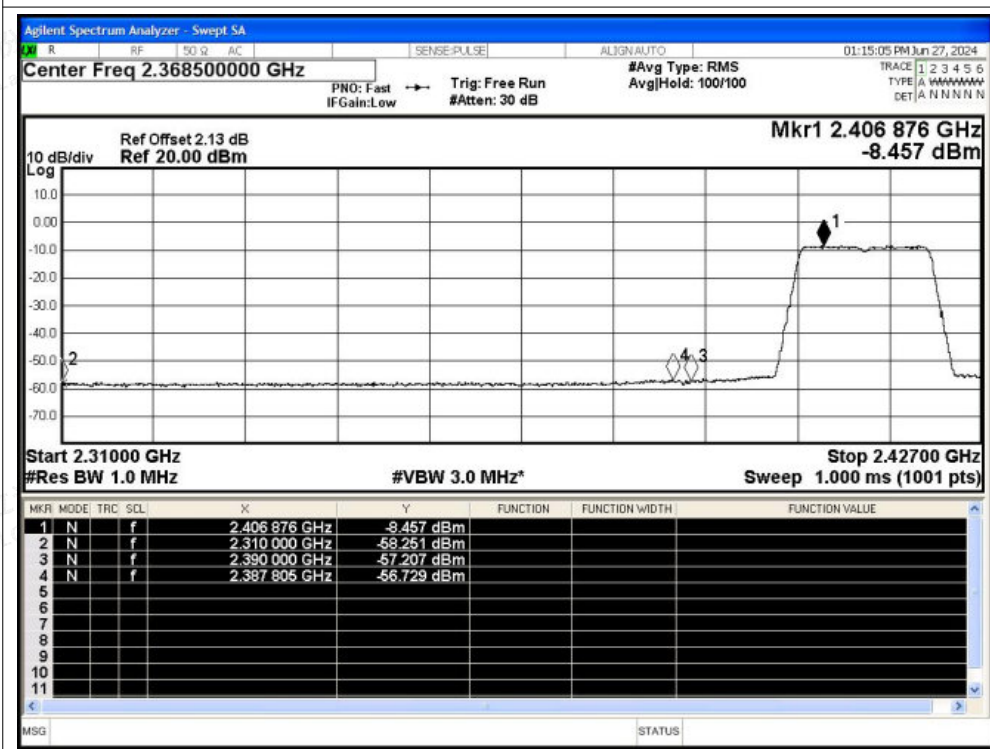




Restrict Band NVNT g 2412MHz Ant1 Peak

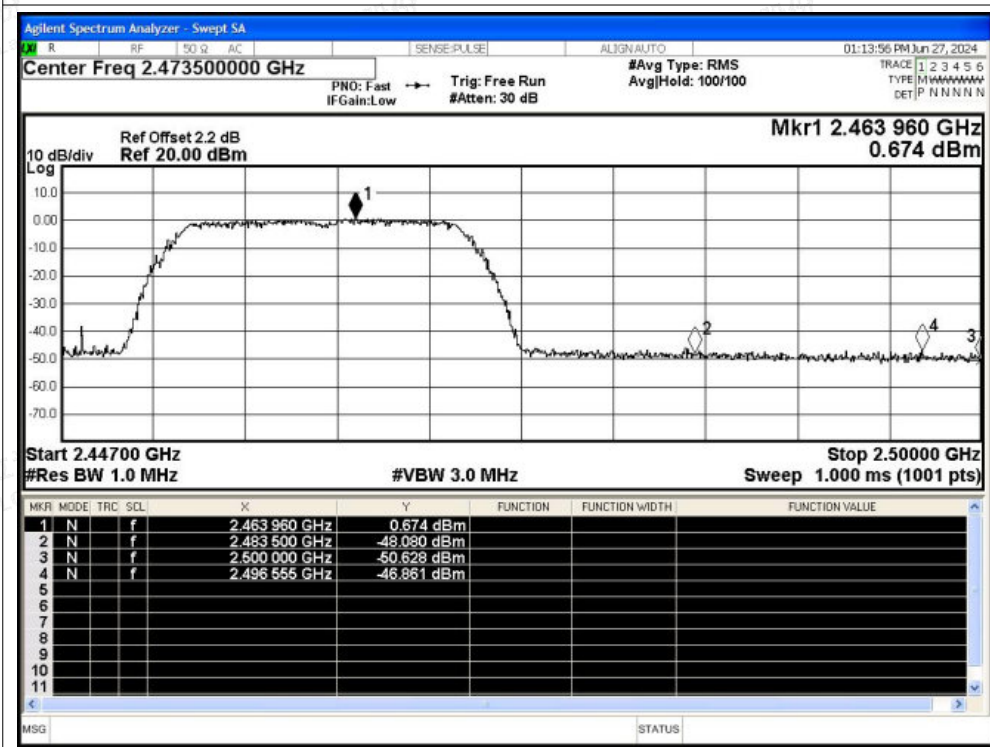


Restrict Band NVNT g 2412MHz Ant1 Average

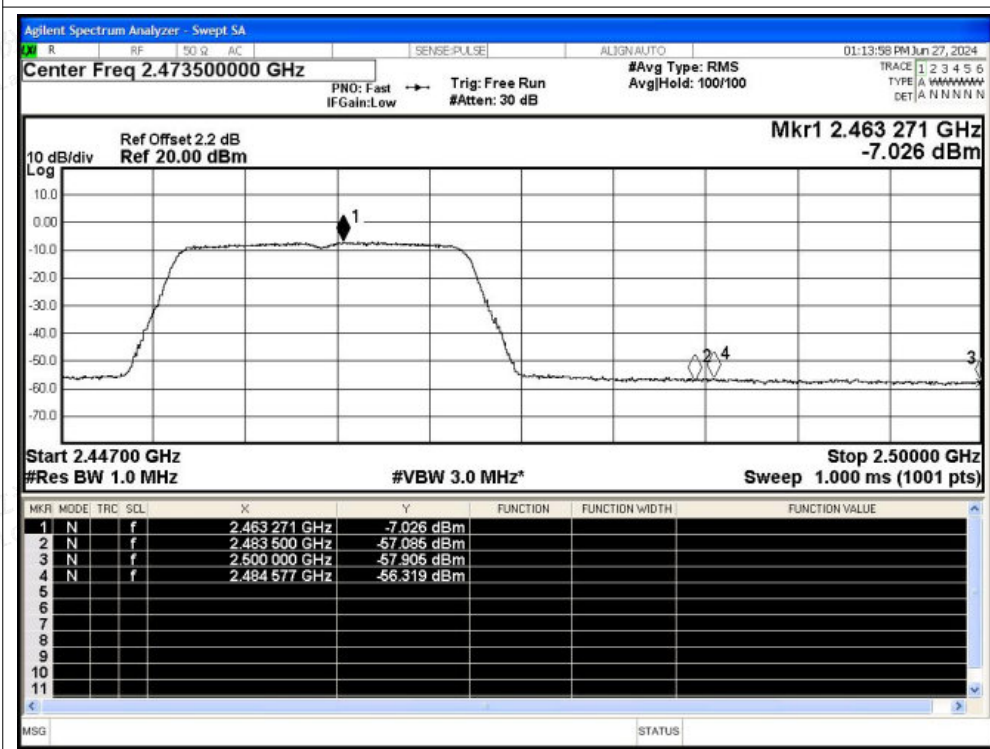




Restrict Band NVNT g 2462MHz Ant1 Peak

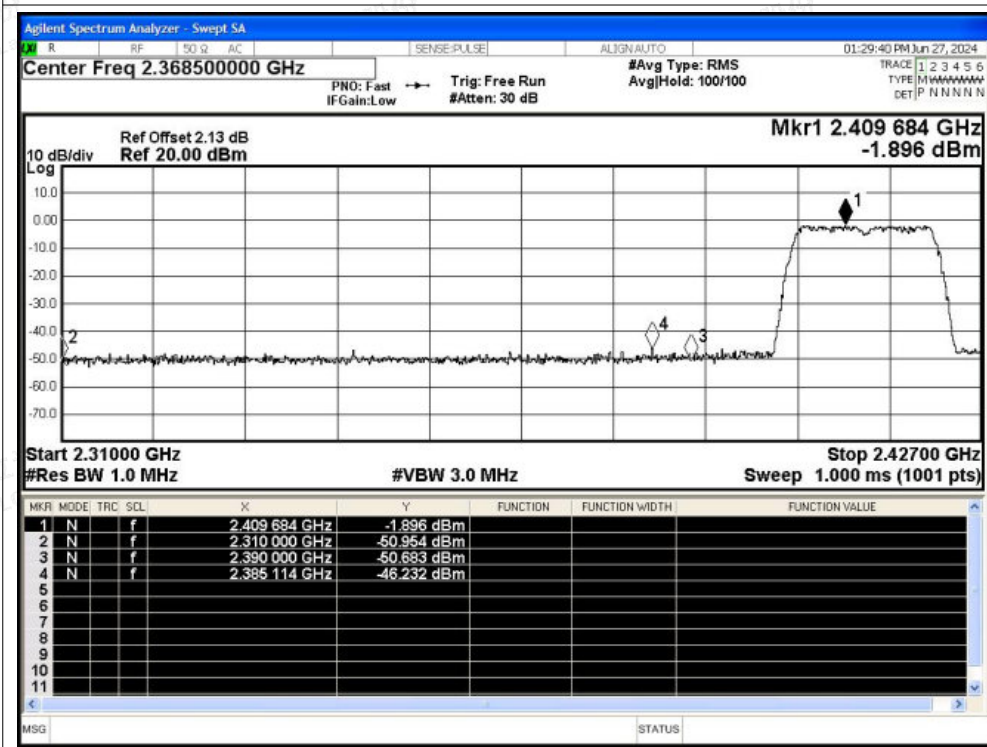


Restrict Band NVNT g 2462MHz Ant1 Average

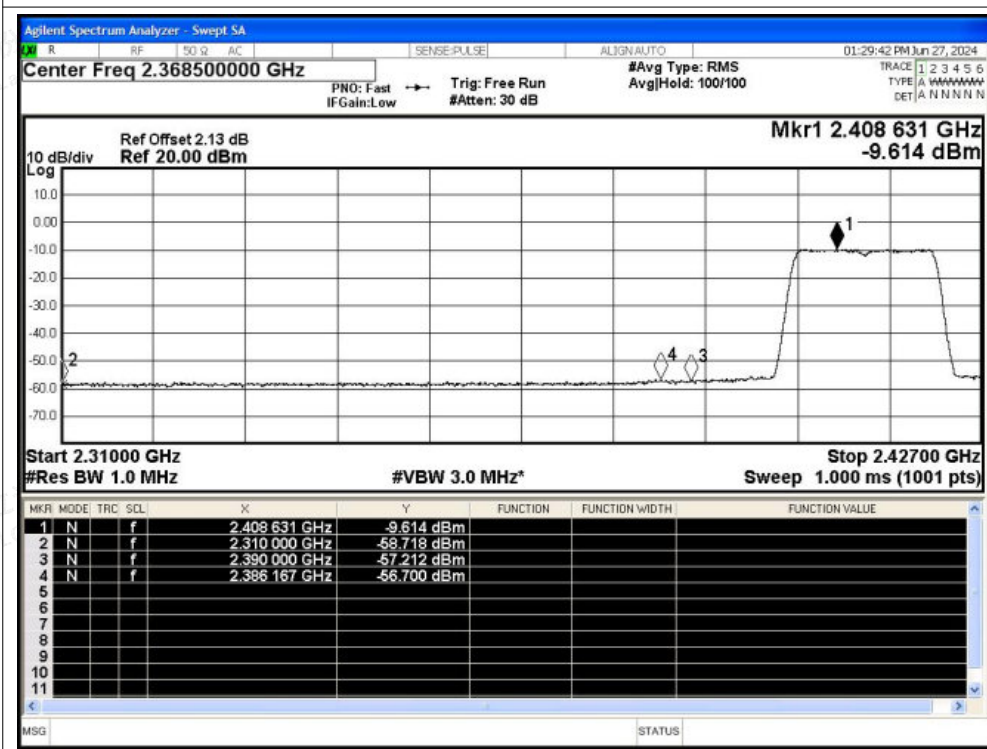




Restrict Band NVNT n20 2412MHz Ant1 Peak

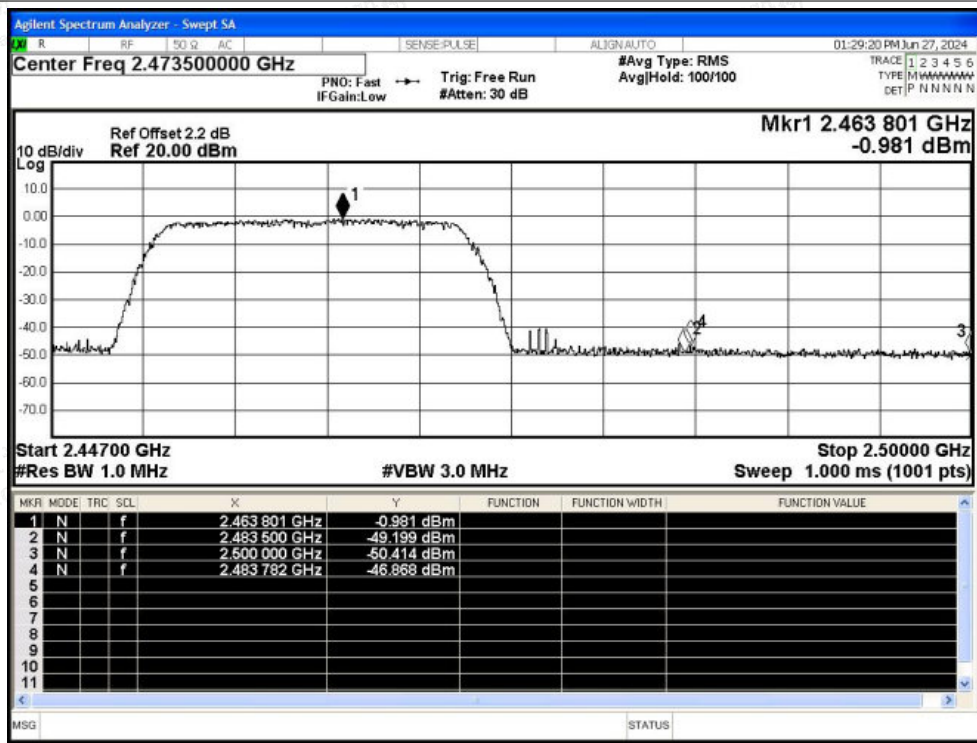


Restrict Band NVNT n20 2412MHz Ant1 Average





Restrict Band NVNT n20 2462MHz Ant1 Peak



Restrict Band NVNT n20 2462MHz Ant1 Average

