# Appendix A

## RF Test Data for BT (Conducted Measurement)

**Product Name: Hunting Camera**

**Test Model: D61T1A**

**Environmental Conditions**

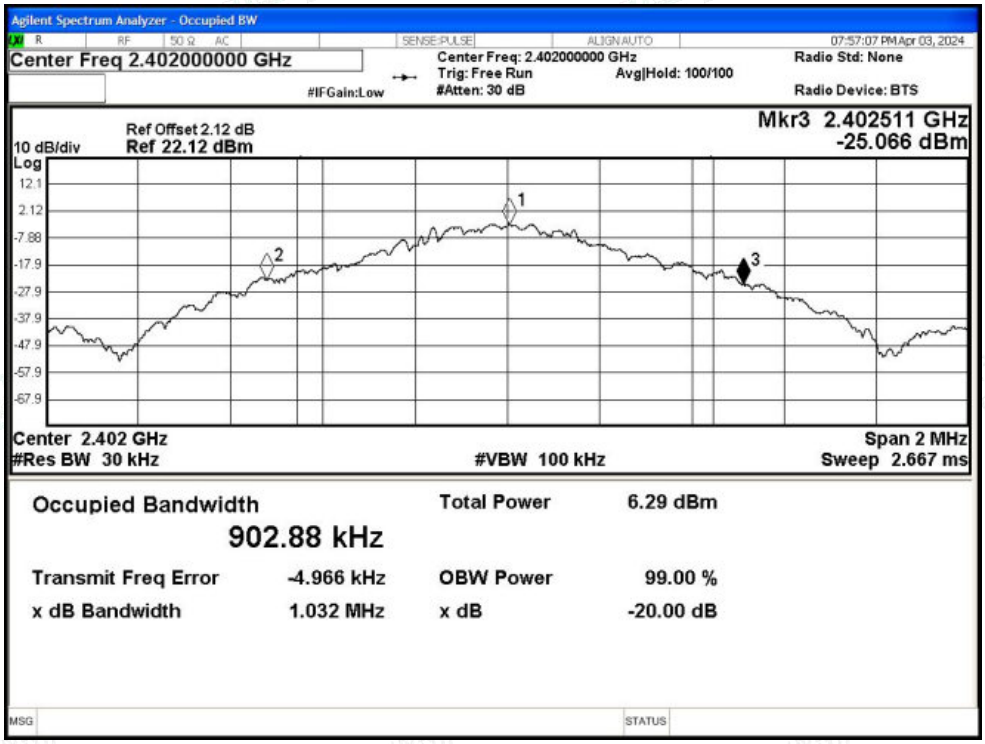
| | |
|---|---|
| Temperature: | 23.8° C |
| Relative Humidity: | 52.1% |
| ATM Pressure: | 100.0 kPa |
| Test Engineer: | Eason Zhou |
| Supervised by: | Nick Peng |

# A.1 -20dB Bandwidth

| Condition | Mode | Frequency (MHz) | Antenna | -20 dB Bandwidth (MHz) | Limit -20 dB Bandwidth (MHz) | Verdict |
|---|---|---|---|---|---|---|
| NVNT | 1-DH5 | 2402 | Ant1 | 1.032 | N/A | Pass |
| NVNT | 1-DH5 | 2441 | Ant1 | 1.02 | N/A | Pass |
| NVNT | 1-DH5 | 2480 | Ant1 | 1.032 | N/A | Pass |
| NVNT | 2-DH5 | 2402 | Ant1 | 1.322 | N/A | Pass |
| NVNT | 2-DH5 | 2441 | Ant1 | 1.287 | N/A | Pass |
| NVNT | 2-DH5 | 2480 | Ant1 | 1.309 | N/A | Pass |
| NVNT | 3-DH5 | 2402 | Ant1 | 1.282 | N/A | Pass |
| NVNT | 3-DH5 | 2441 | Ant1 | 1.298 | N/A | Pass |
| NVNT | 3-DH5 | 2480 | Ant1 | 1.291 | N/A | Pass |

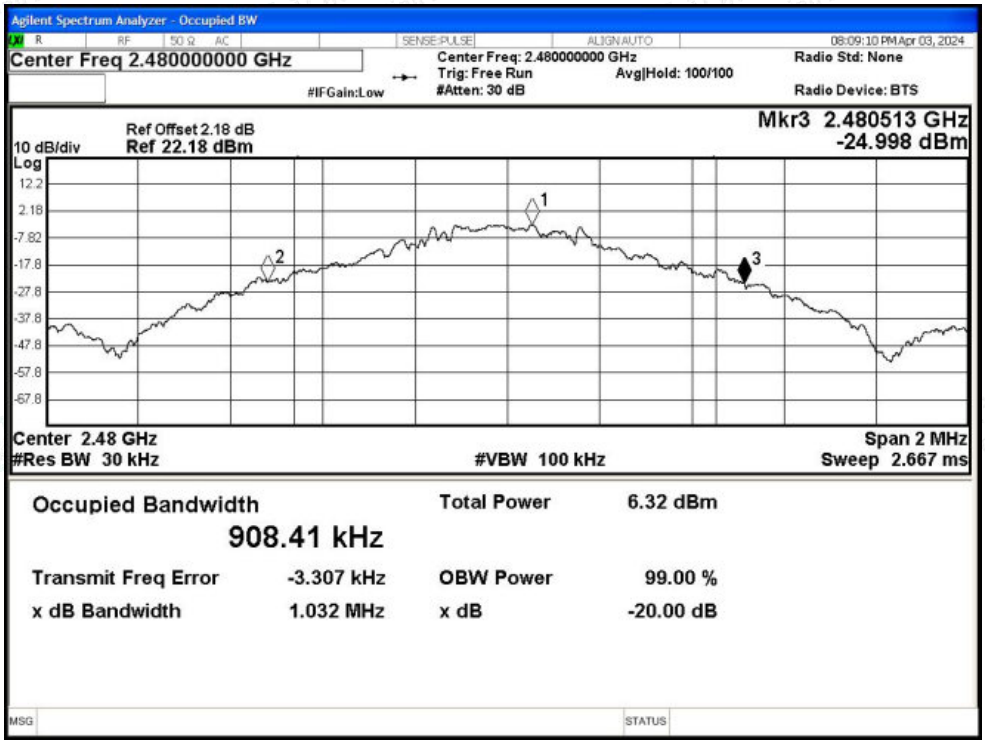
Test Graphs

-20dB Bandwidth NVNT 1-DH5 2402MHz Ant1

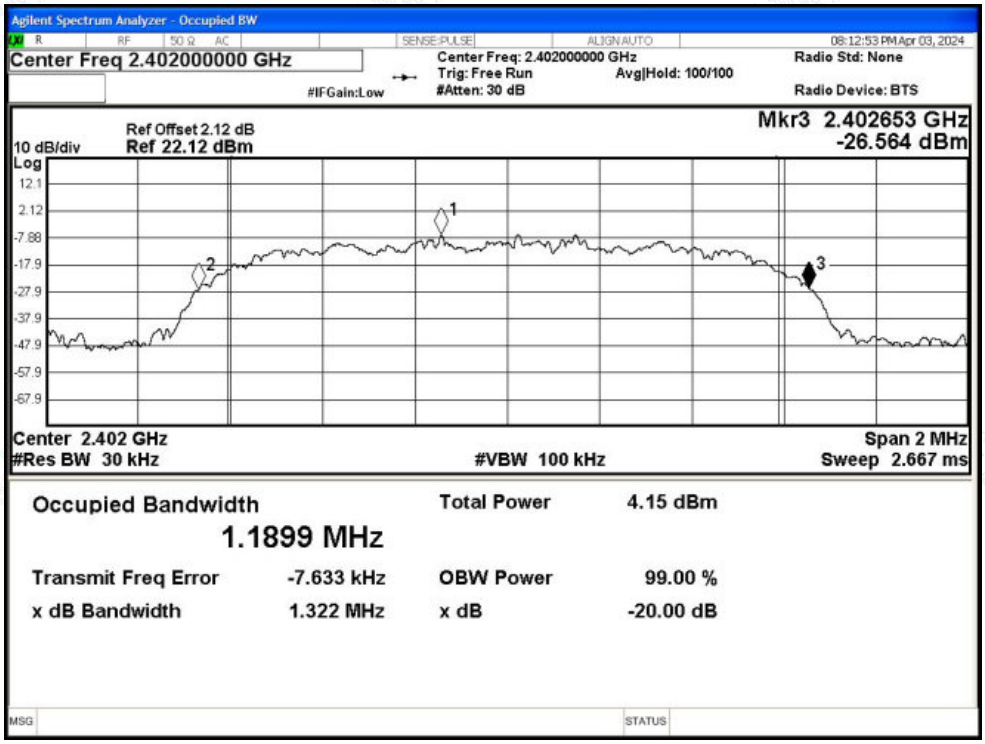



-20dB Bandwidth NVNT 1-DH5 2441MHz Ant1

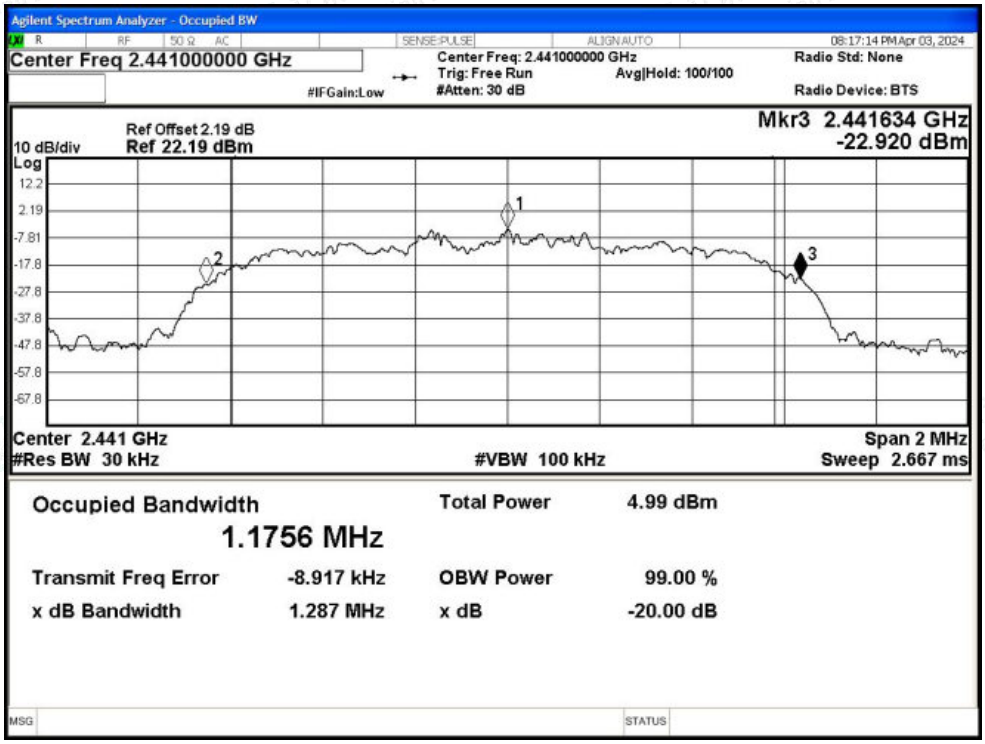
-20dB Bandwidth NVNT 1-DH5 2480MHz Ant1



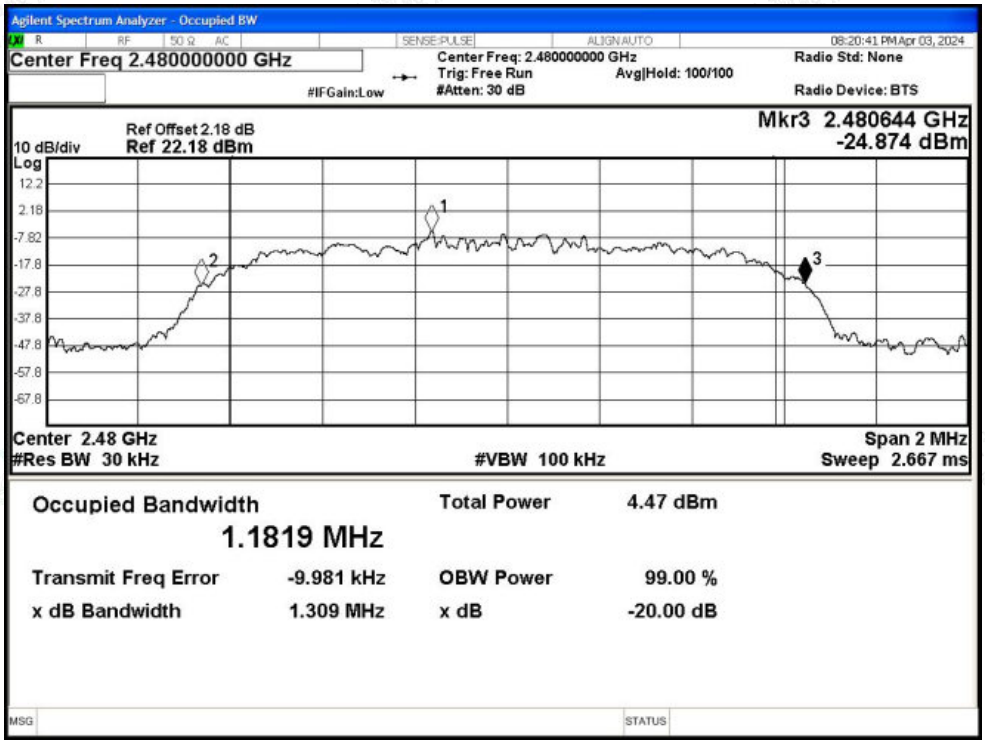

-20dB Bandwidth NVNT 2-DH5 2402MHz Ant1



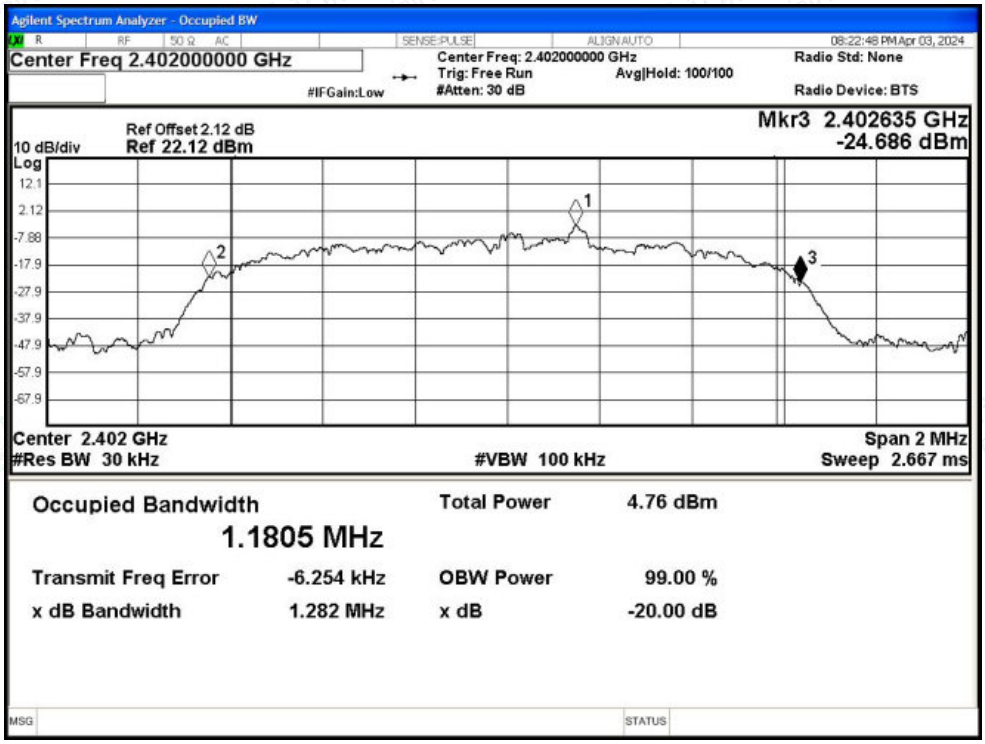
-20dB Bandwidth NVNT 2-DH5 2441MHz Ant1



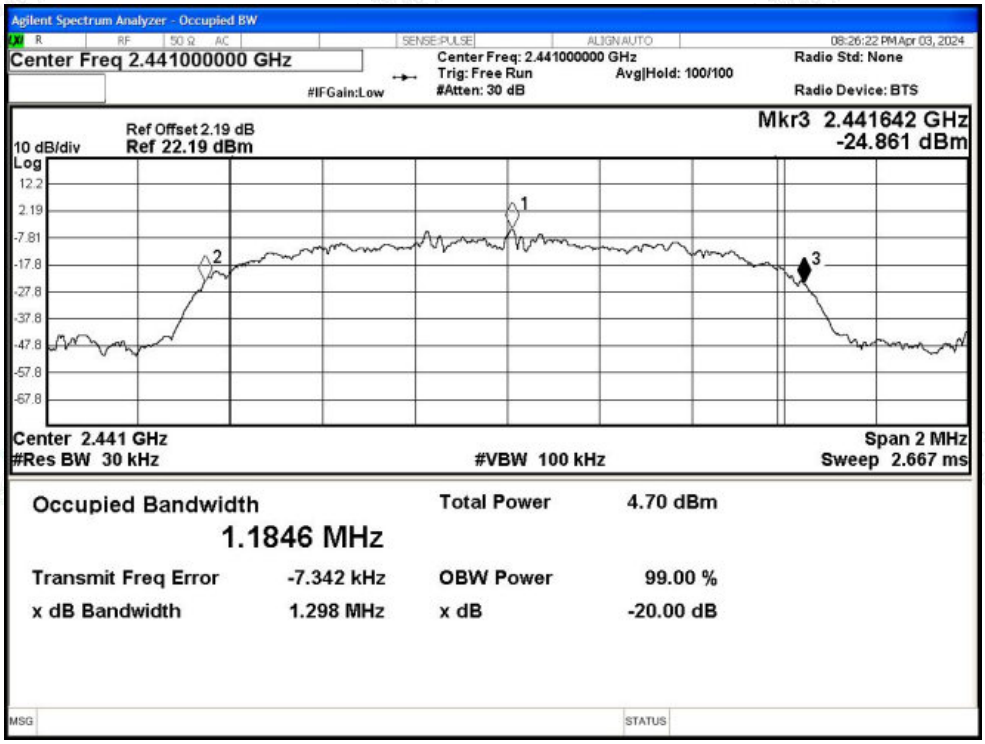

-20dB Bandwidth NVNT 2-DH5 2480MHz Ant1



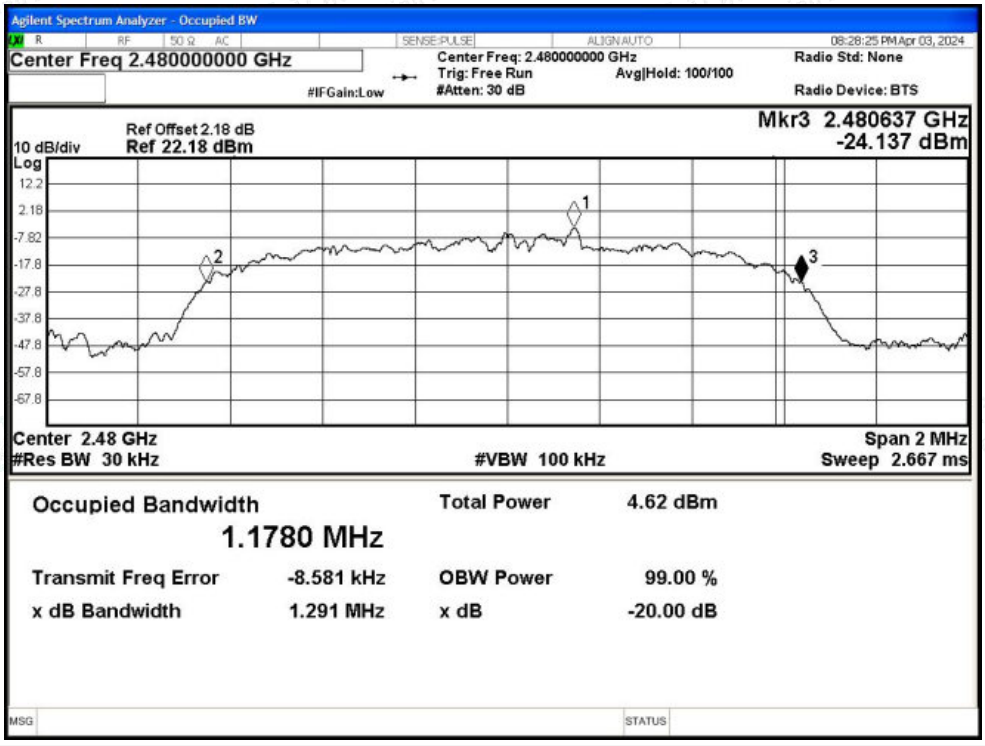
-20dB Bandwidth NVNT 3-DH5 2402MHz Ant1




-20dB Bandwidth NVNT 3-DH5 2441MHz Ant1



-20dB Bandwidth NVNT 3-DH5 2480MHz Ant1

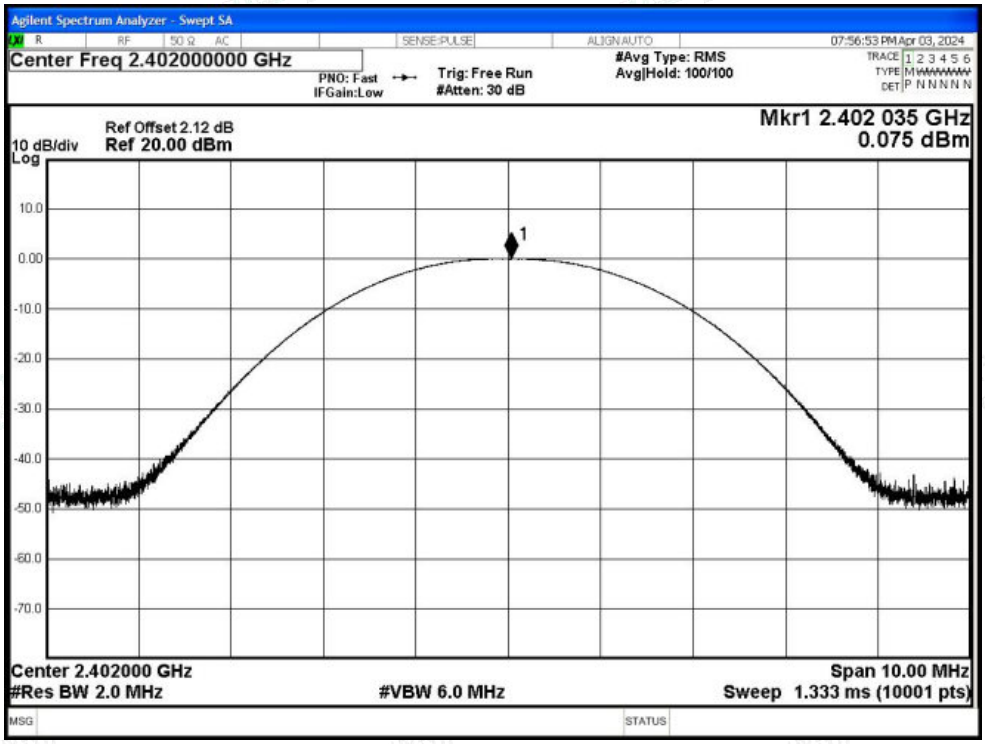


# A.2 Maximum Peak Conducted Output Power

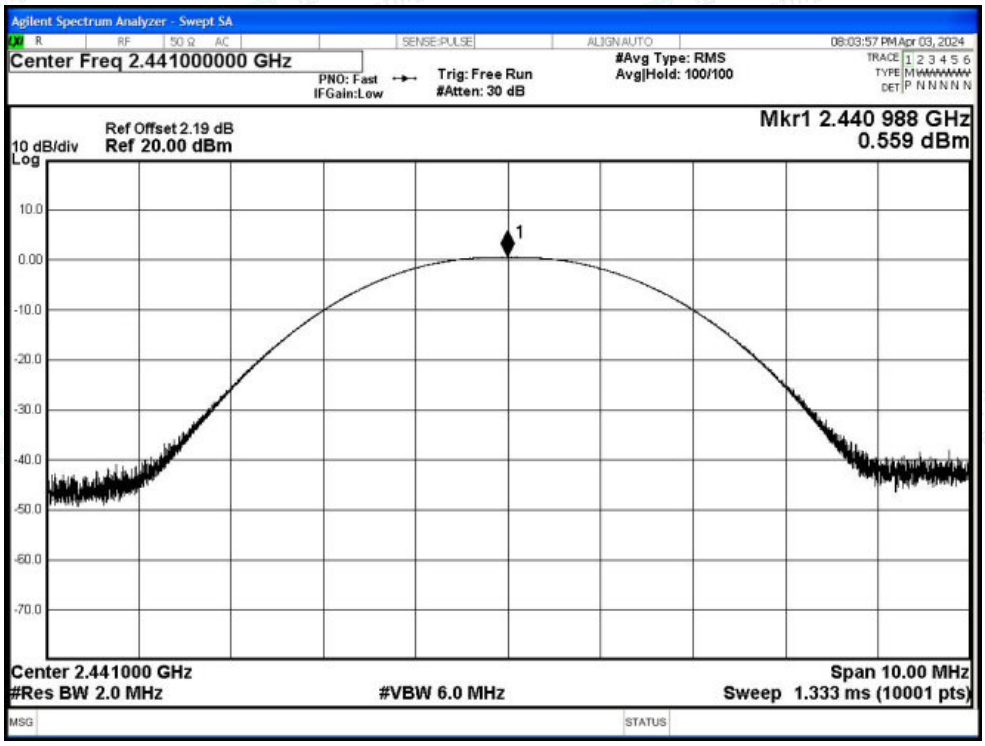
| Condition | Mode | Frequency (MHz) | Antenna | Conducted Power (dBm) | Limit (dBm) | Verdict |
|---|---|---|---|---|---|---|
| NVNT | 1-DH5 | 2402 | Ant1 | 0.08 | 21 | Pass |
| NVNT | 1-DH5 | 2441 | Ant1 | 0.56 | 21 | Pass |
| NVNT | 1-DH5 | 2480 | Ant1 | 0.21 | 21 | Pass |
| NVNT | 2-DH5 | 2402 | Ant1 | 0.01 | 21 | Pass |
| NVNT | 2-DH5 | 2441 | Ant1 | 0.28 | 21 | Pass |
| NVNT | 2-DH5 | 2480 | Ant1 | -0.05 | 21 | Pass |
| NVNT | 3-DH5 | 2402 | Ant1 | 0.14 | 21 | Pass |
| NVNT | 3-DH5 | 2441 | Ant1 | 0.38 | 21 | Pass |
| NVNT | 3-DH5 | 2480 | Ant1 | 0.01 | 21 | Pass |

Test Graphs

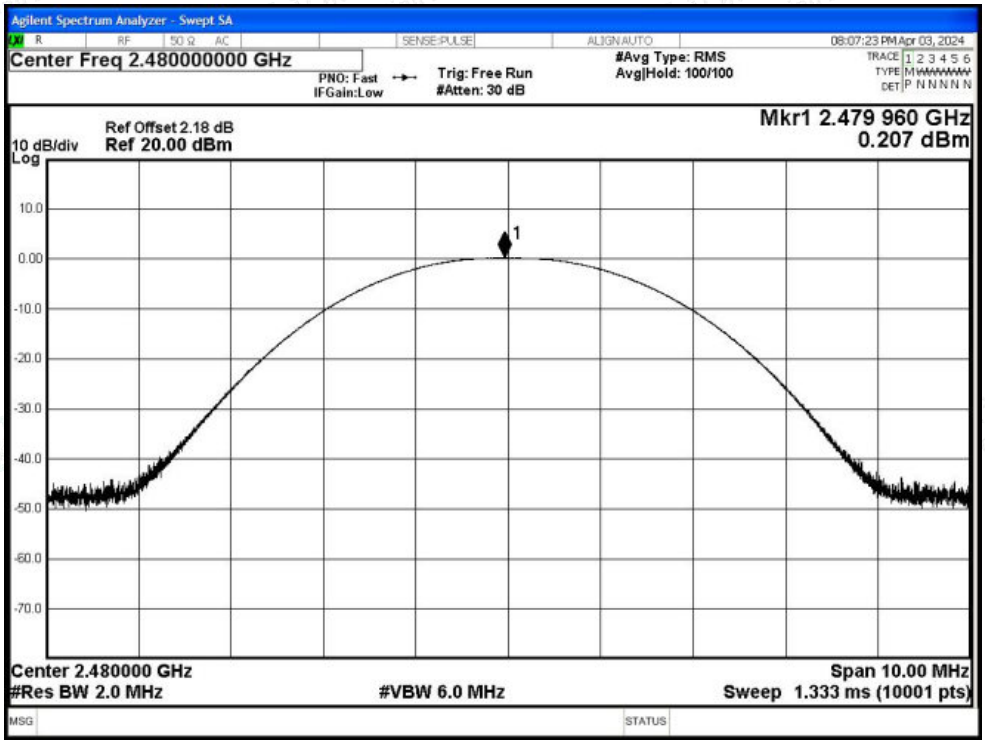
Power NVNT 1-DH5 2402MHz Ant1



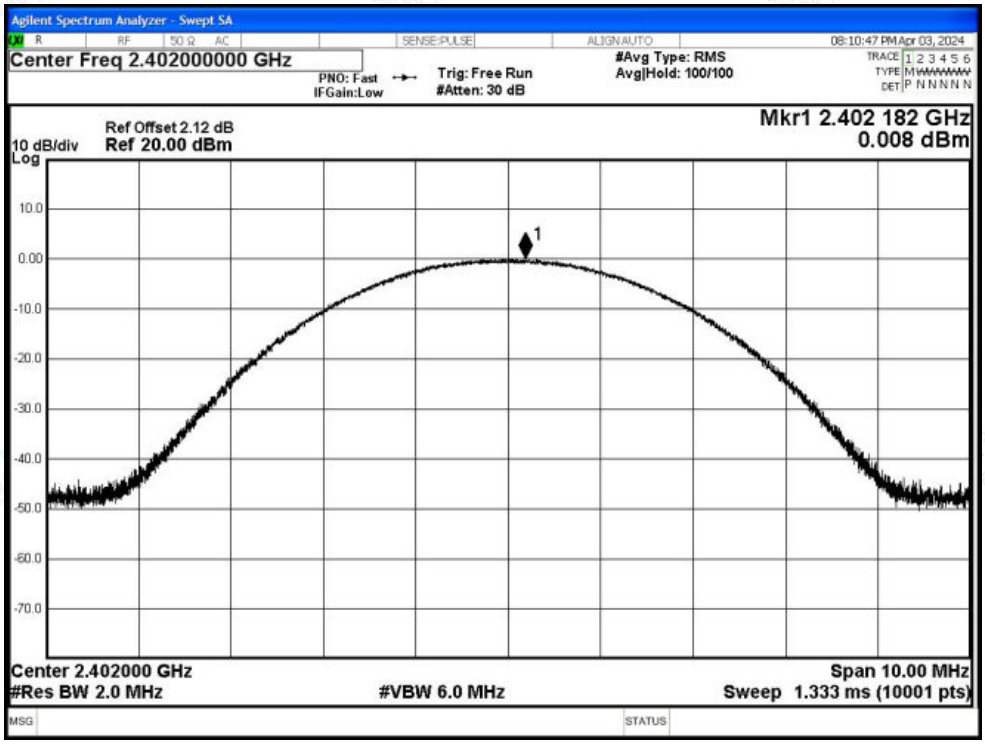

Power NVNT 1-DH5 2441MHz Ant1



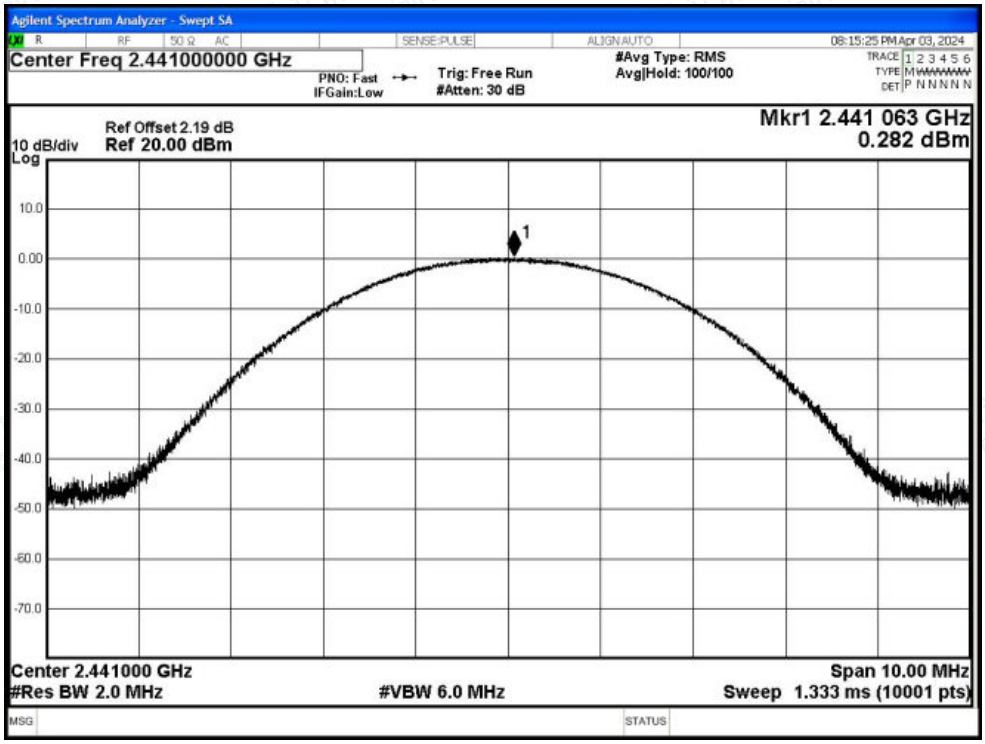
Power NVNT 1-DH5 2480MHz Ant1



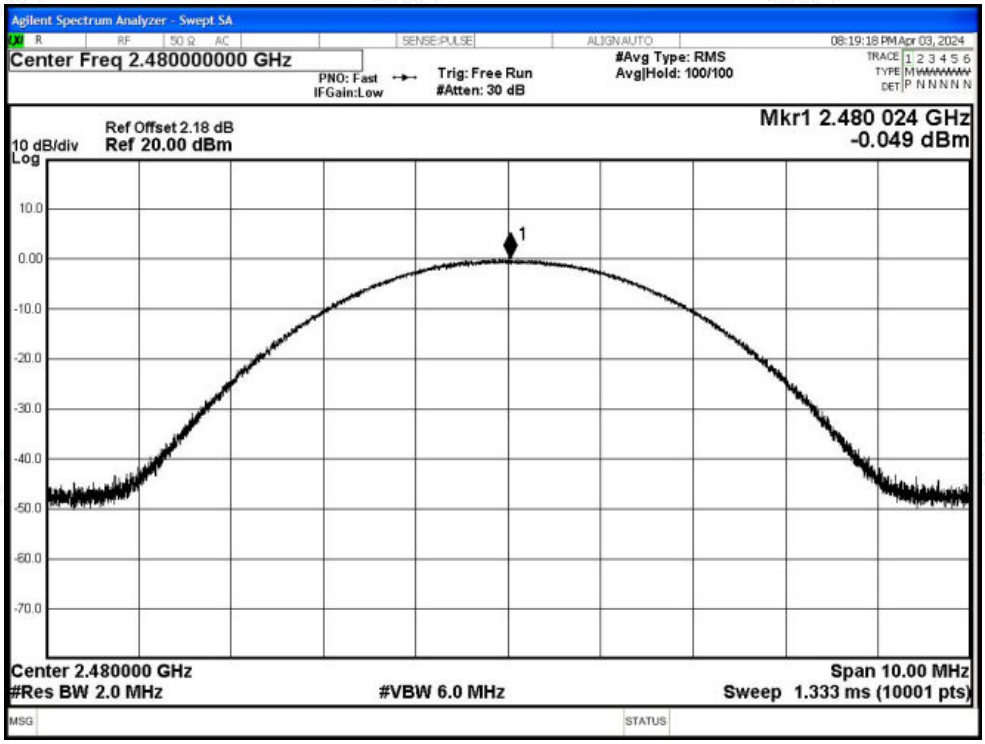

Power NVNT 2-DH5 2402MHz Ant1



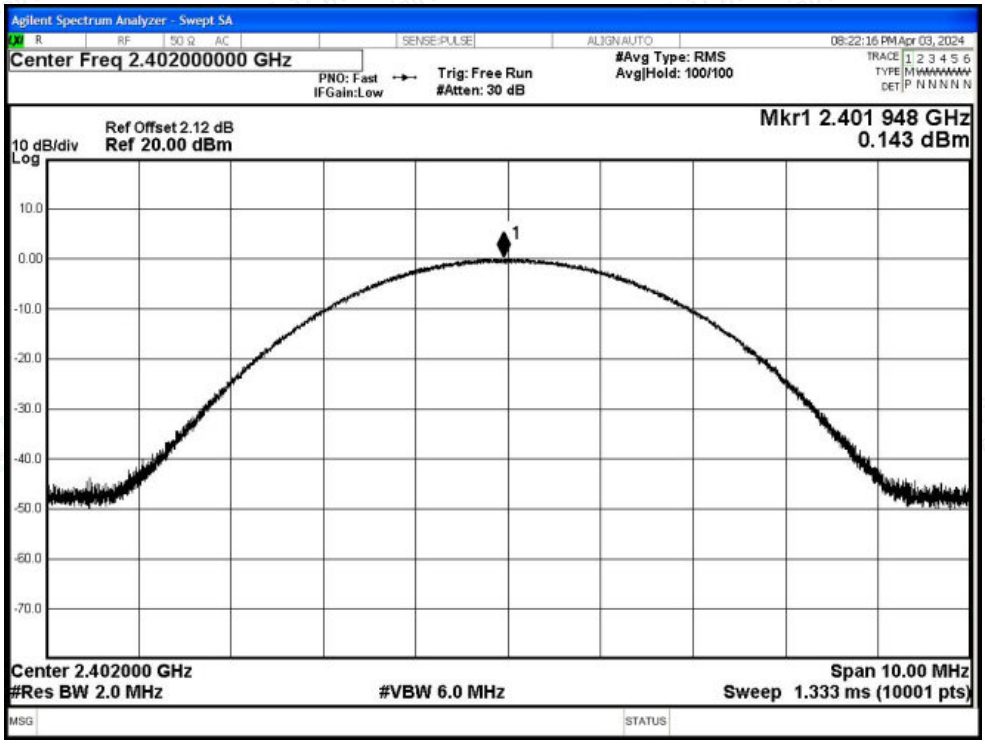
Power NVNT 2-DH5 2441MHz Ant1



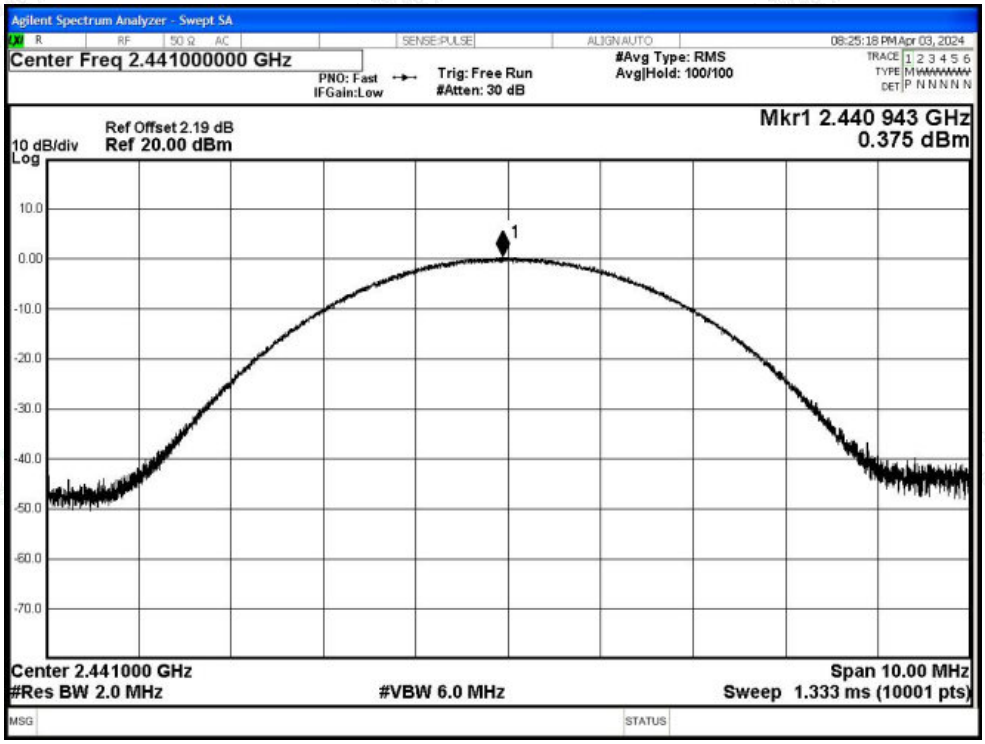

Power NVNT 2-DH5 2480MHz Ant1



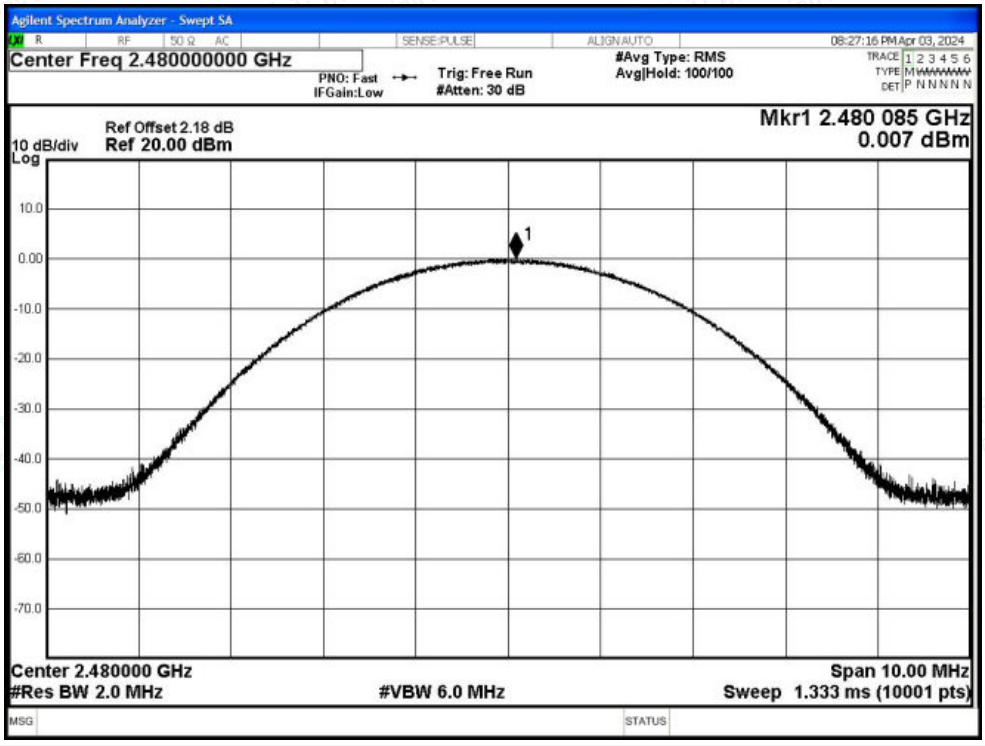
Power NVNT 3-DH5 2402MHz Ant1




Power NVNT 3-DH5 2441MHz Ant1



Power NVNT 3-DH5 2480MHz Ant1

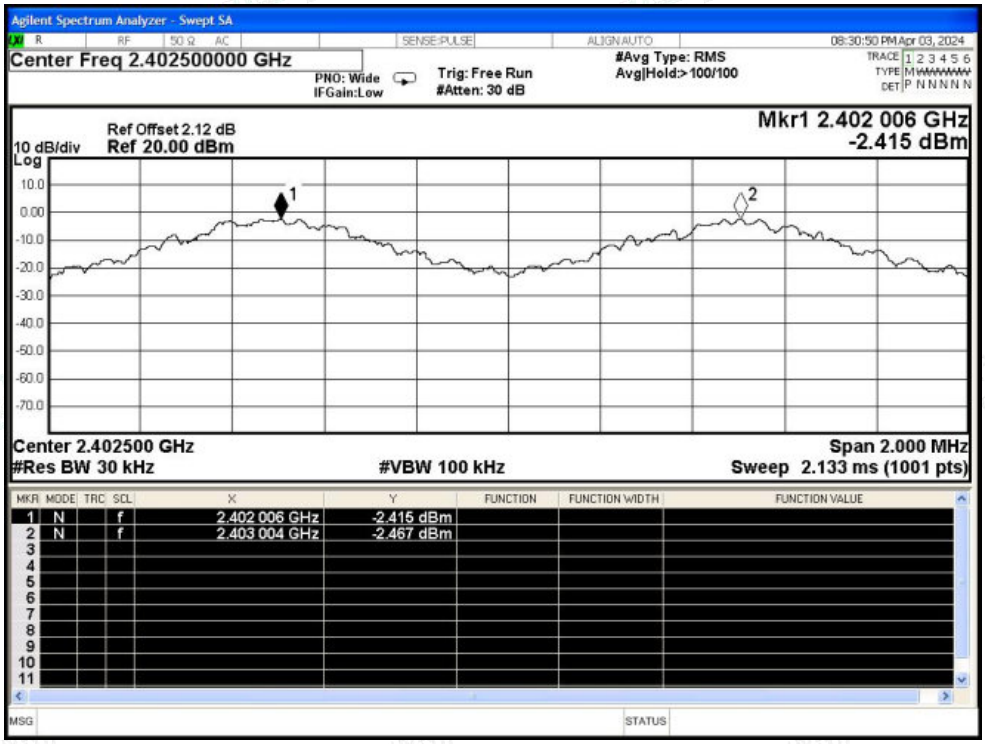


## A.3 Carrier Frequencies Separation

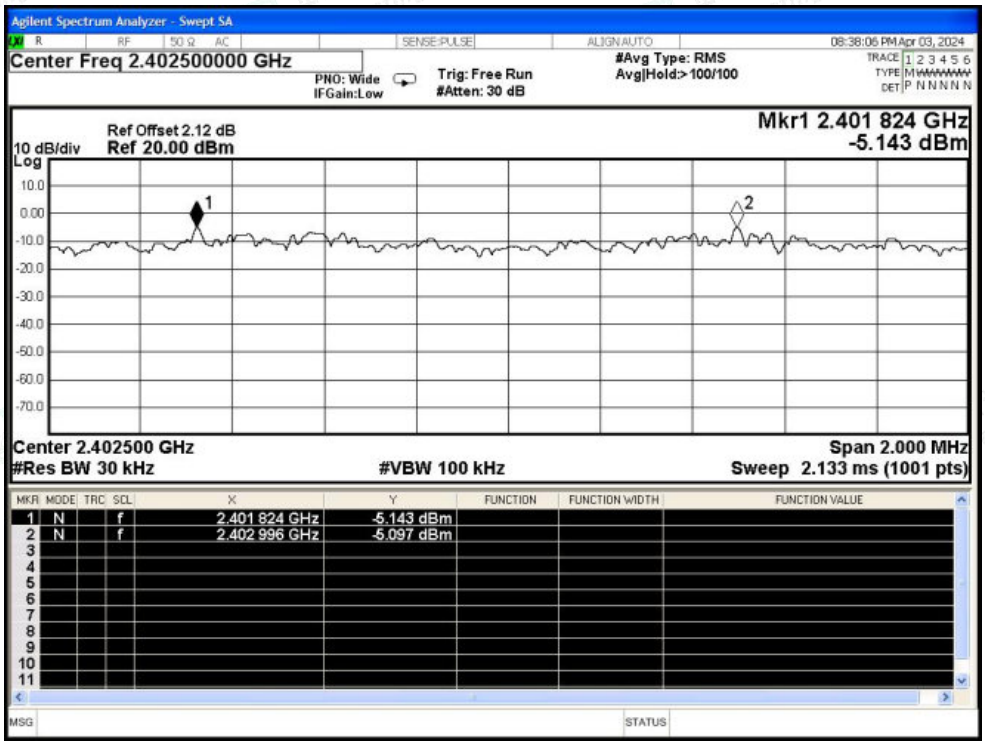
| Condition | Mode | Antenna | Hopping Freq1 (MHz) | Hopping Freq2 (MHz) | HFS (MHz) | Limit (MHz) | Verdict |
|---|---|---|---|---|---|---|---|
| NVNT | 1-DH5 | Ant1 | 2402.006 | 2403.004 | 0.998 | 0.688 | Pass |
| NVNT | 2-DH5 | Ant1 | 2401.824 | 2402.996 | 1.172 | 0.881 | Pass |
| NVNT | 3-DH5 | Ant1 | 2402.146 | 2403.152 | 1.006 | 0.865 | Pass |

Test Graphs

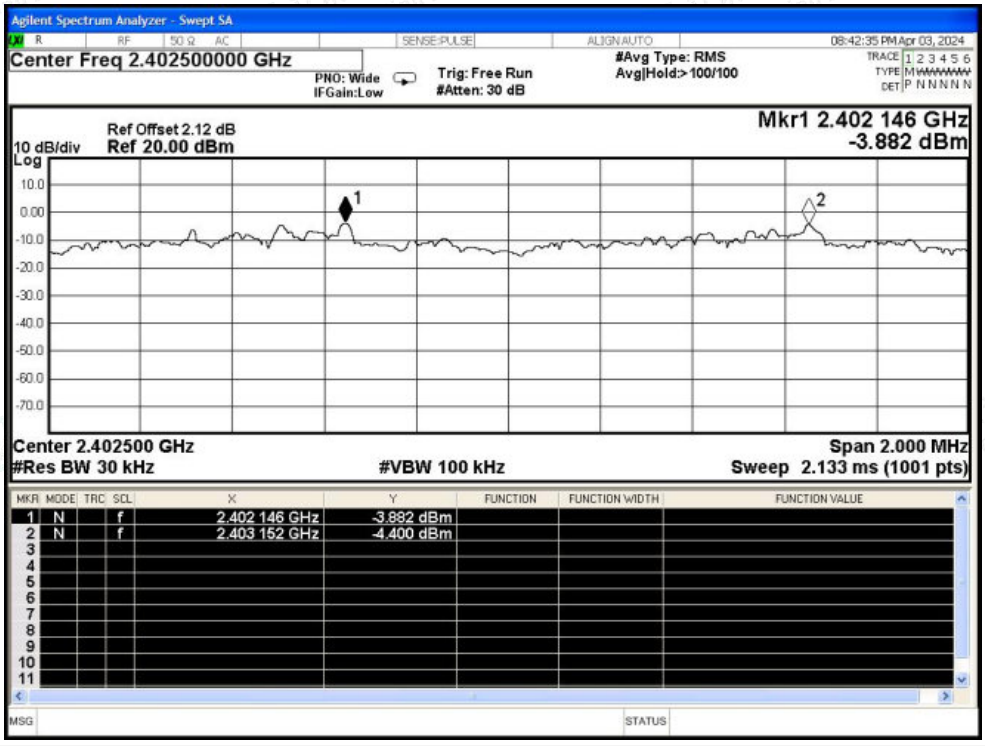
CFS NVNT 1-DH5 2402MHz Ant1




CFS NVNT 2-DH5 2402MHz Ant1



CFS NVNT 3-DH5 2402MHz Ant1

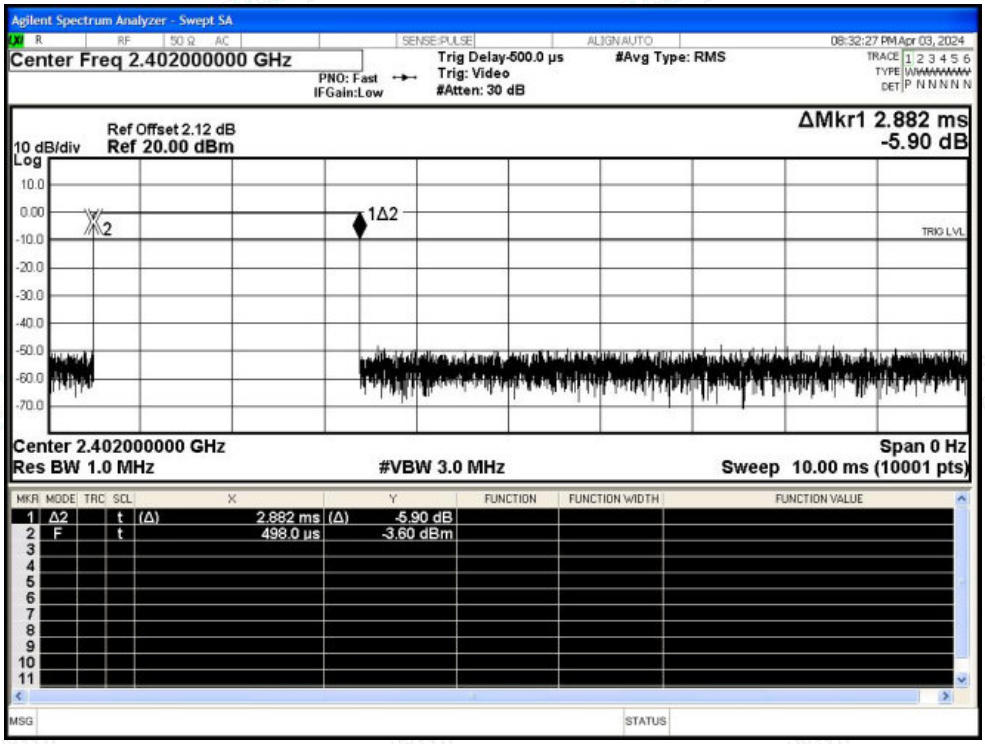


## A.4 Dwell Time

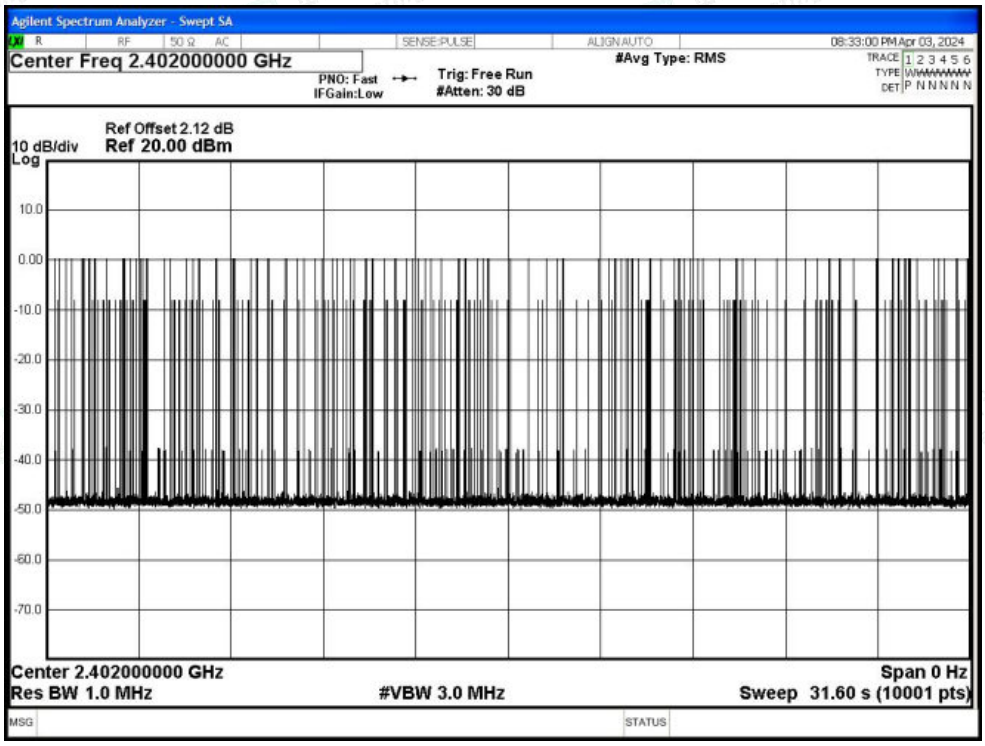
| Condition | Mode | Frequency (MHz) | Antenna | Pulse Time (ms) | Total Dwell Time (ms) | Burst Count | Period Time (ms) | Limit (ms) | Verdict |
|---|---|---|---|---|---|---|---|---|---|
| NVNT | 1-DH5 | 2402 | Ant1 | 2.882 | 317.02 | 110 | 31600 | 400 | Pass |
| NVNT | 2-DH5 | 2402 | Ant1 | 2.88 | 319.68 | 111 | 31600 | 400 | Pass |
| NVNT | 3-DH5 | 2402 | Ant1 | 2.887 | 297.361 | 103 | 31600 | 400 | Pass |

Test Graphs

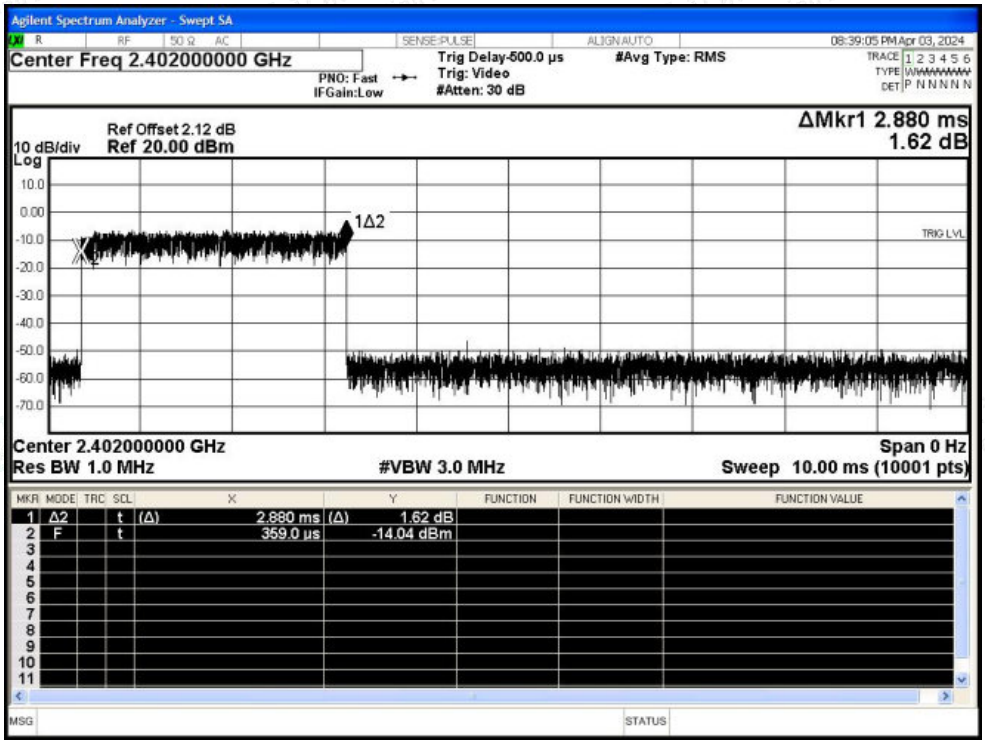
Dwell NVNT 1-DH5 2402MHz Ant1 One Burst



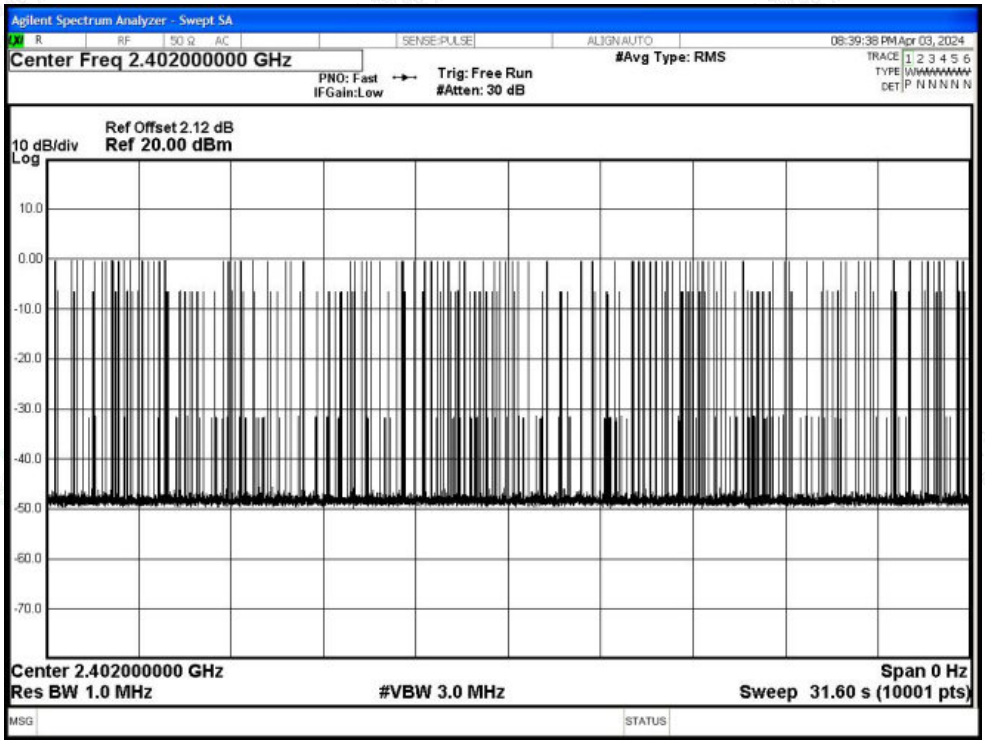

Dwell NVNT 1-DH5 2402MHz Ant1 Accumulated



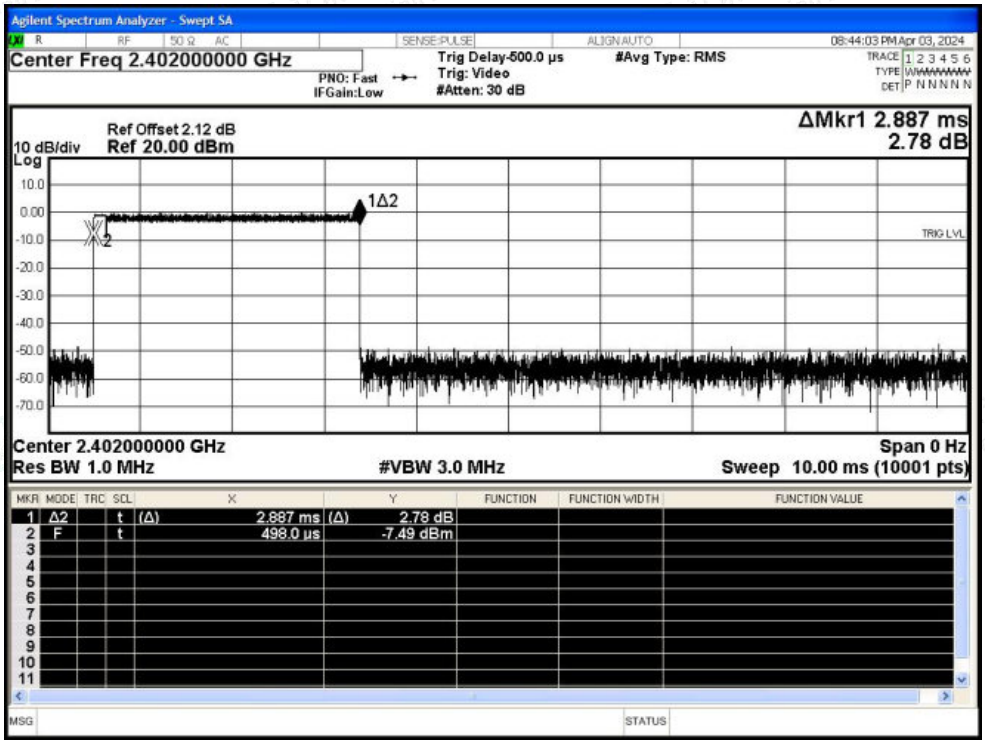
Dwell NVNT 2-DH5 2402MHz Ant1 One Burst



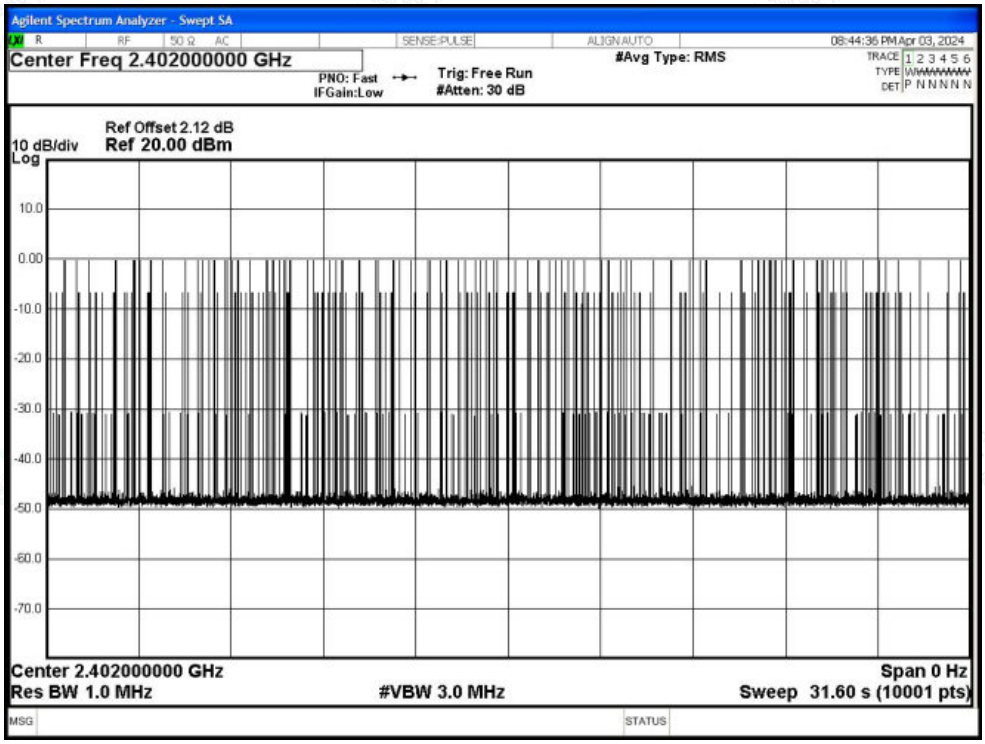

Dwell NVNT 2-DH5 2402MHz Ant1 Accumulated



Dwell NVNT 3-DH5 2402MHz Ant1 One Burst




Dwell NVNT 3-DH5 2402MHz Ant1 Accumulated

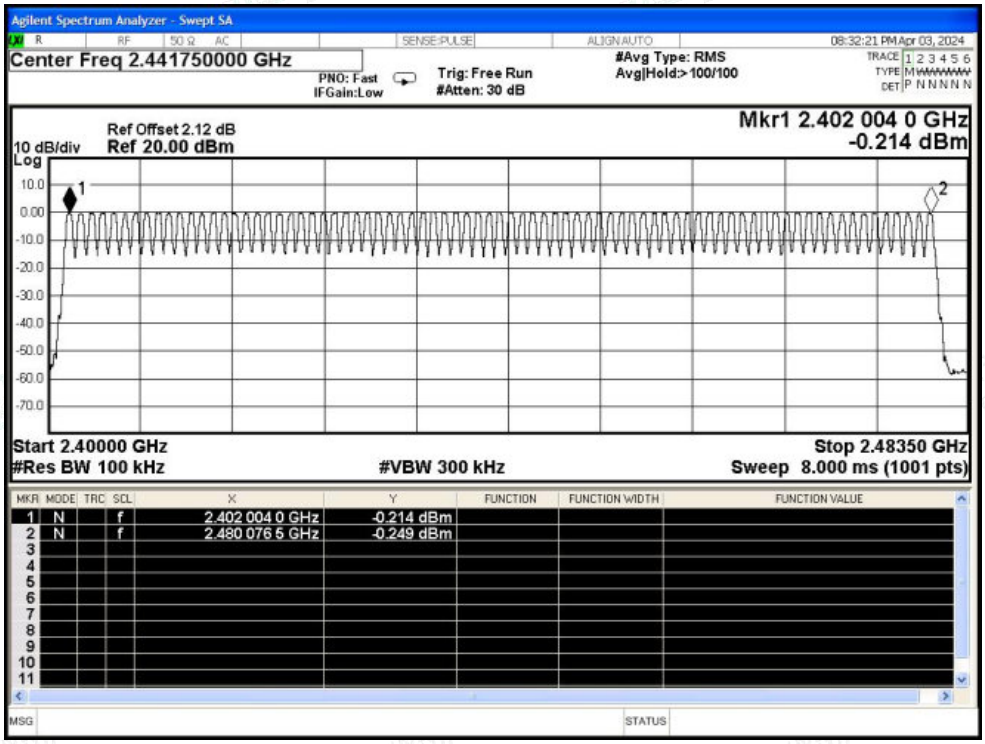


# A.5 Number of Hopping Channel

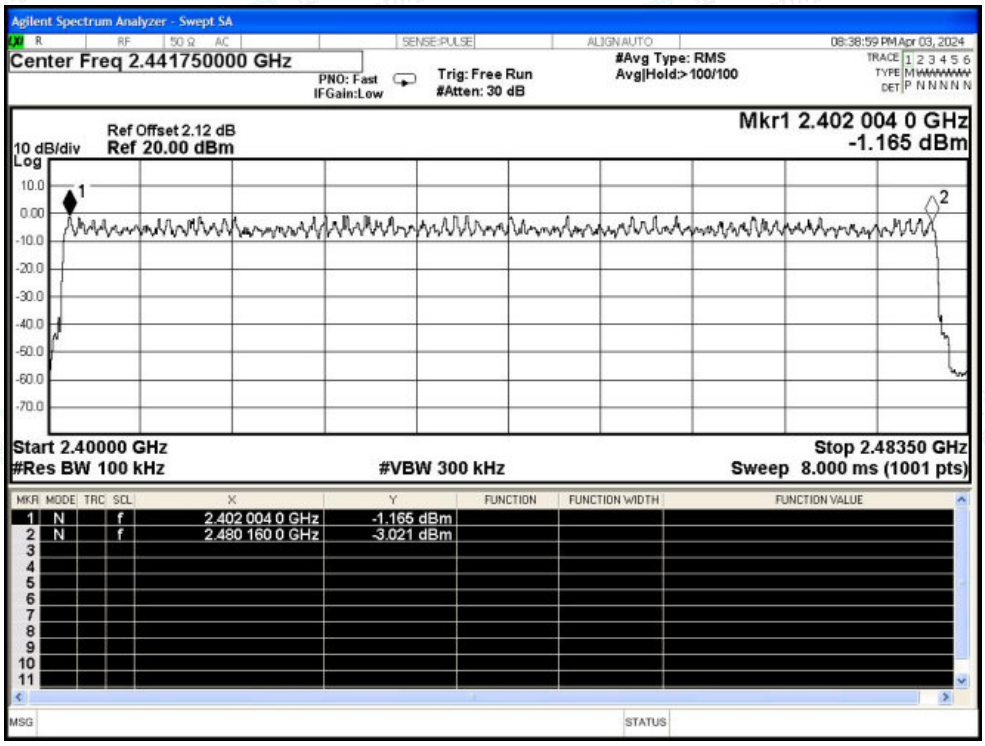
| Condition | Mode | Antenna | Hopping Number | Limit | Verdict |
|---|---|---|---|---|---|
| NVNT | 1-DH5 | Ant1 | 79 | 15 | Pass |
| NVNT | 2-DH5 | Ant1 | 79 | 15 | Pass |
| NVNT | 3-DH5 | Ant1 | 79 | 15 | Pass |

Test Graphs

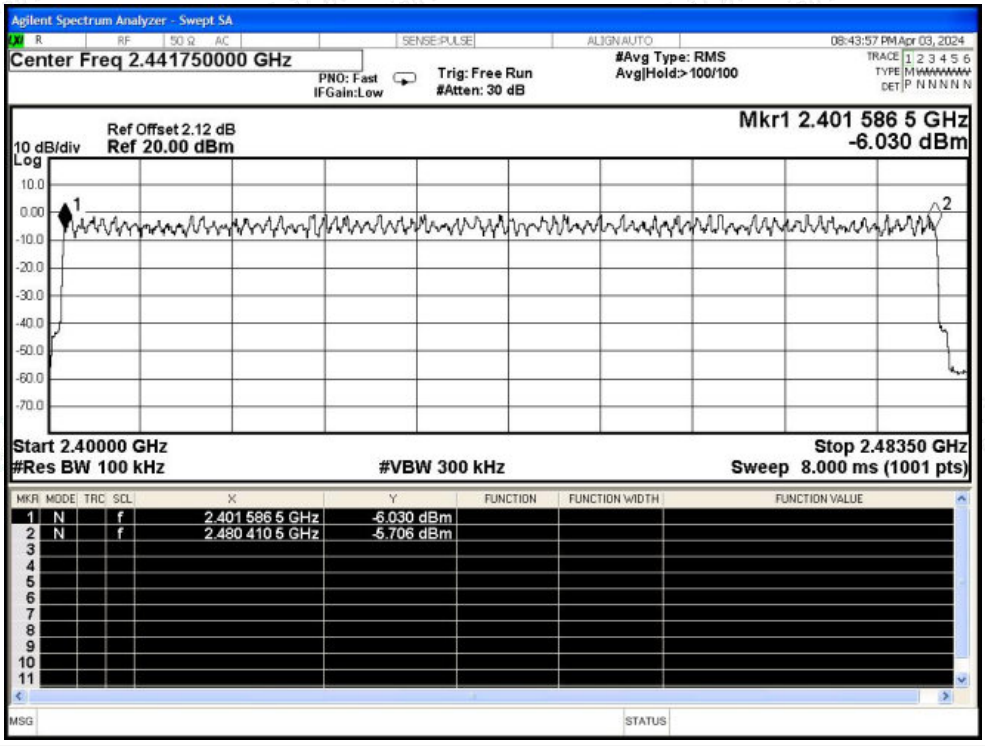
Hopping No. NVNT 1-DH5 2402MHz Ant1




Hopping No. NVNT 2-DH5 2402MHz Ant1



Hopping No. NVNT 3-DH5 2402MHz Ant1

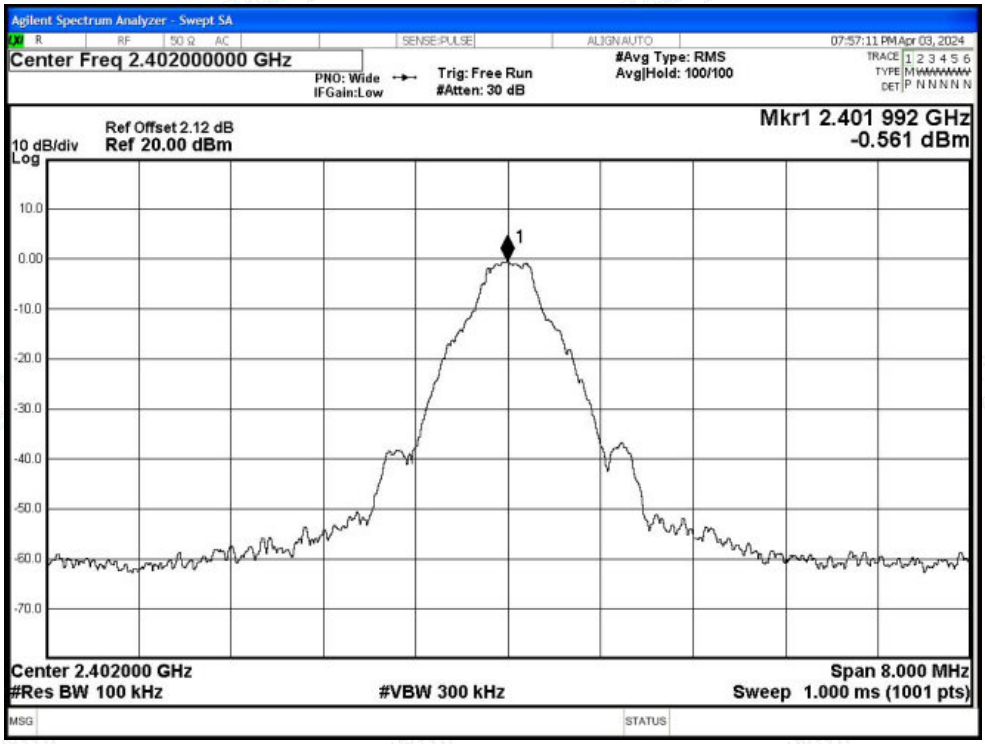


# A.6 Band Edge

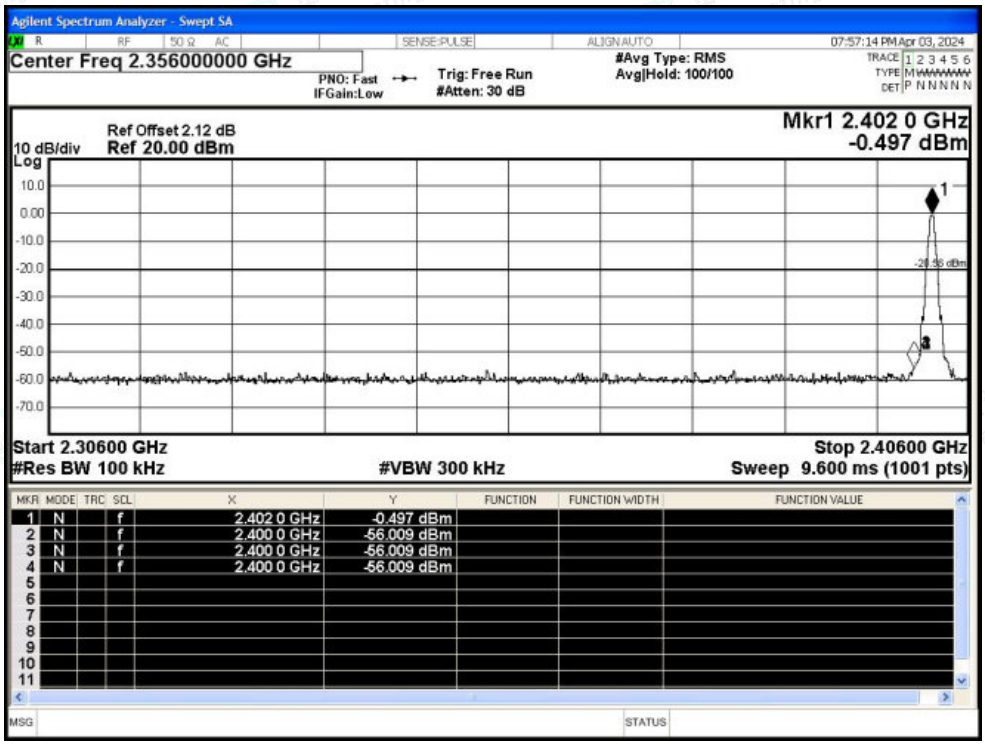
| Condition | Mode | Frequency (MHz) | Antenna | Hopping Mode | Max Value (dBc) | Limit (dBc) | Verdict |
|---|---|---|---|---|---|---|---|
| NVNT | 1-DH5 | 2402 | Ant1 | No-Hopping | -55.45 | -20 | Pass |
| NVNT | 1-DH5 | 2480 | Ant1 | No-Hopping | -57.48 | -20 | Pass |
| NVNT | 2-DH5 | 2402 | Ant1 | No-Hopping | -53.38 | -20 | Pass |
| NVNT | 2-DH5 | 2480 | Ant1 | No-Hopping | -53.52 | -20 | Pass |
| NVNT | 3-DH5 | 2402 | Ant1 | No-Hopping | -53.85 | -20 | Pass |
| NVNT | 3-DH5 | 2480 | Ant1 | No-Hopping | -53.84 | -20 | Pass |

Test Graphs

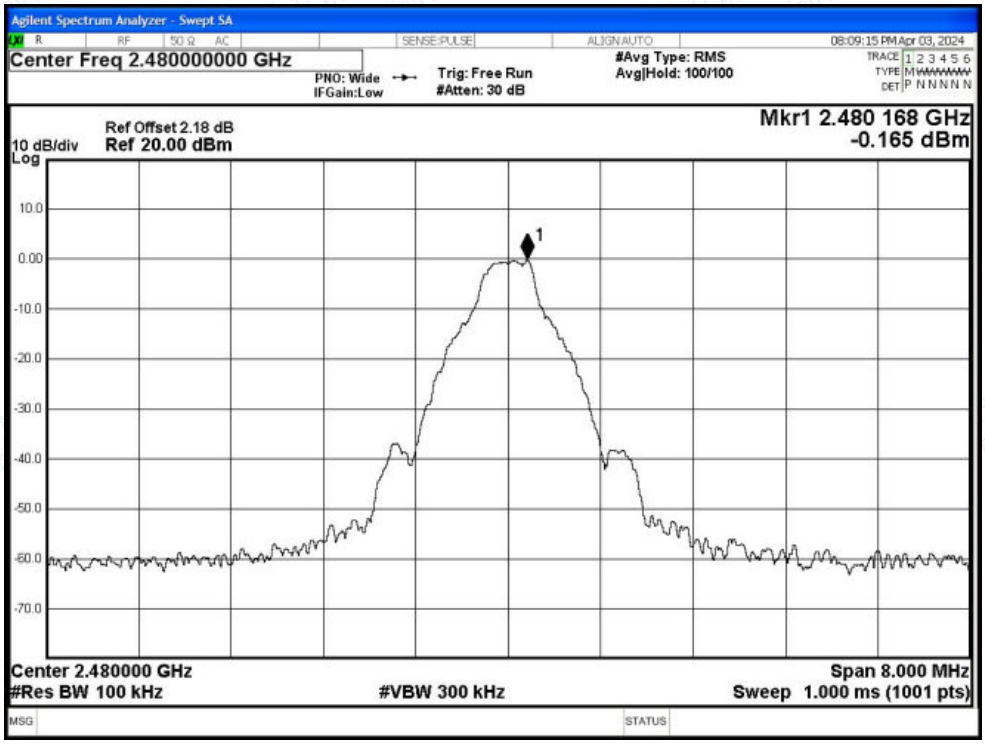
Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Ref



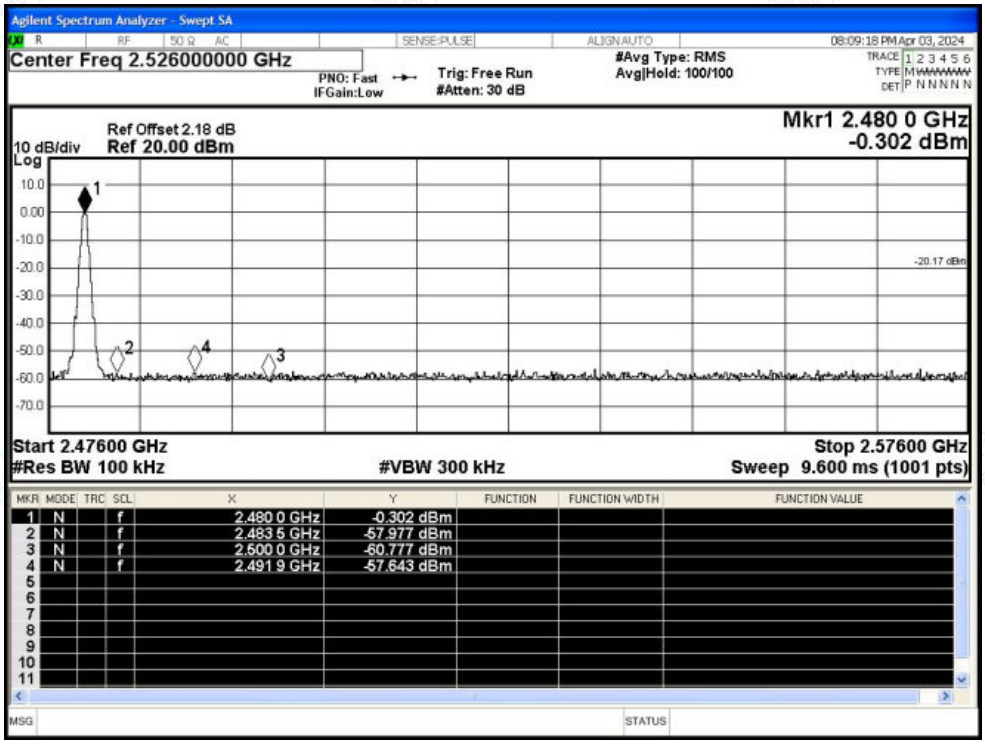

Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Emission



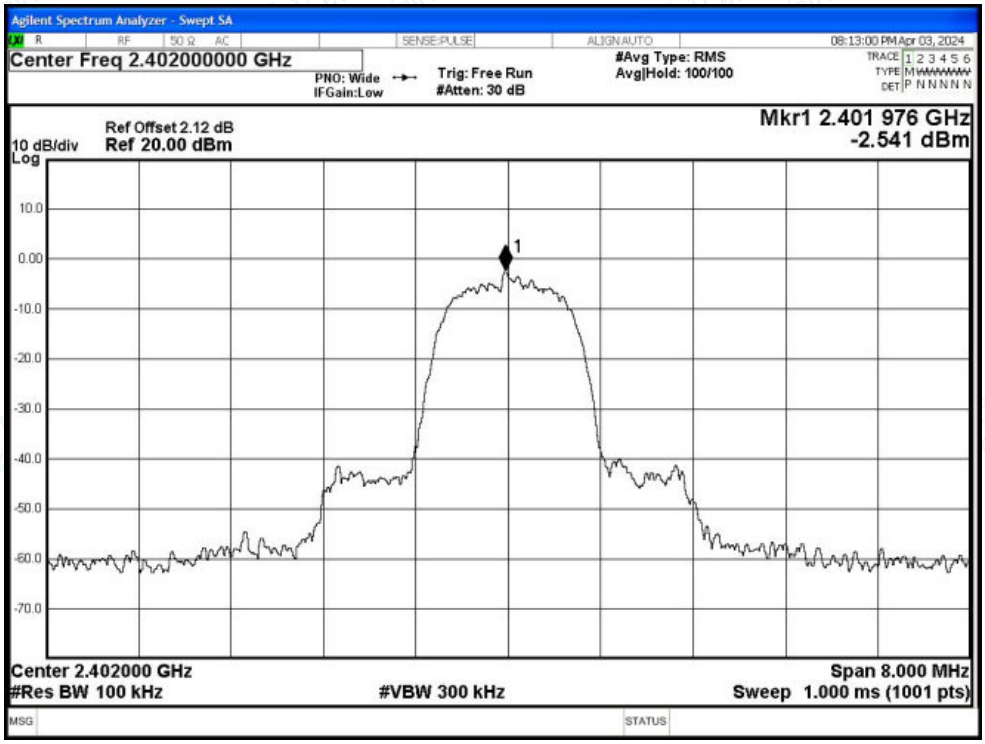
Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Ref



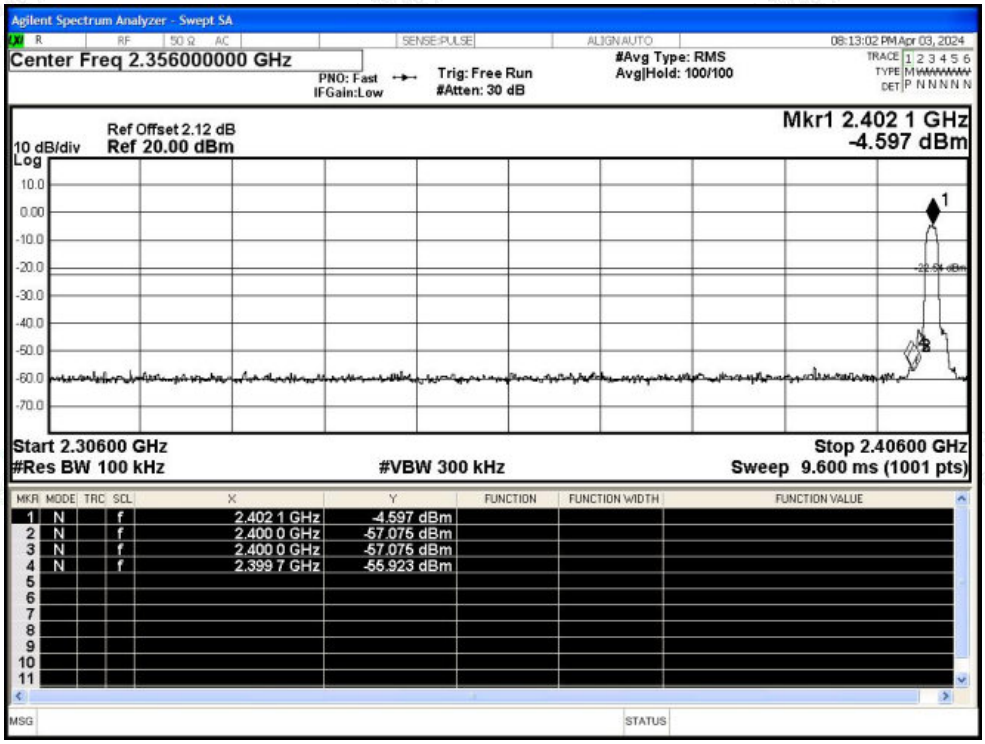

Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Emission



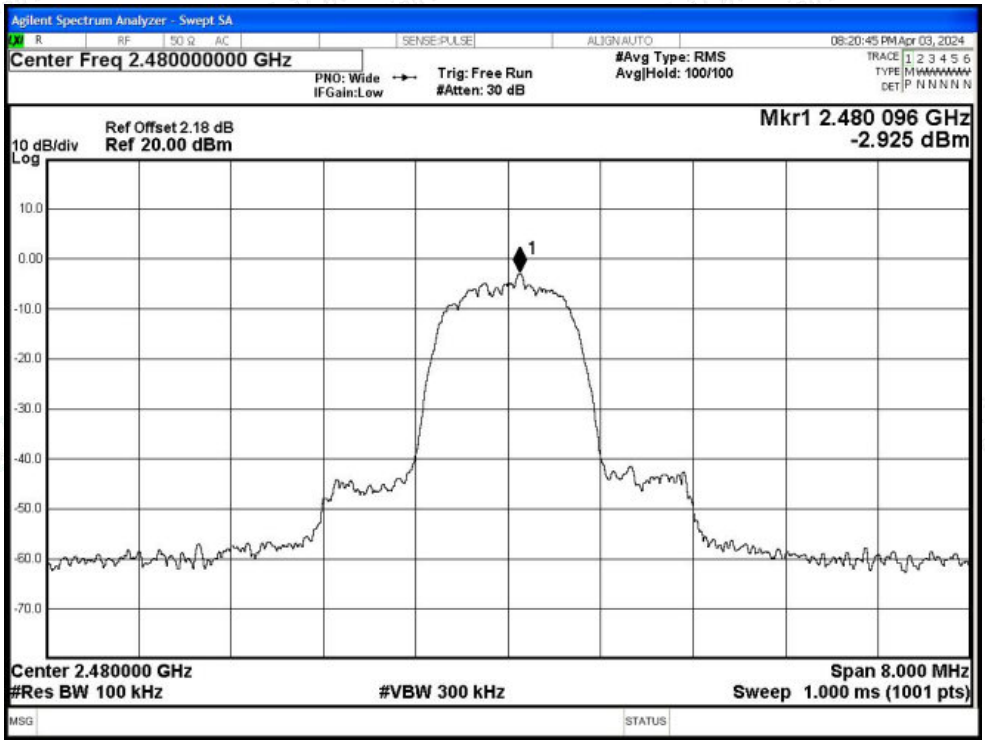
Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Ref



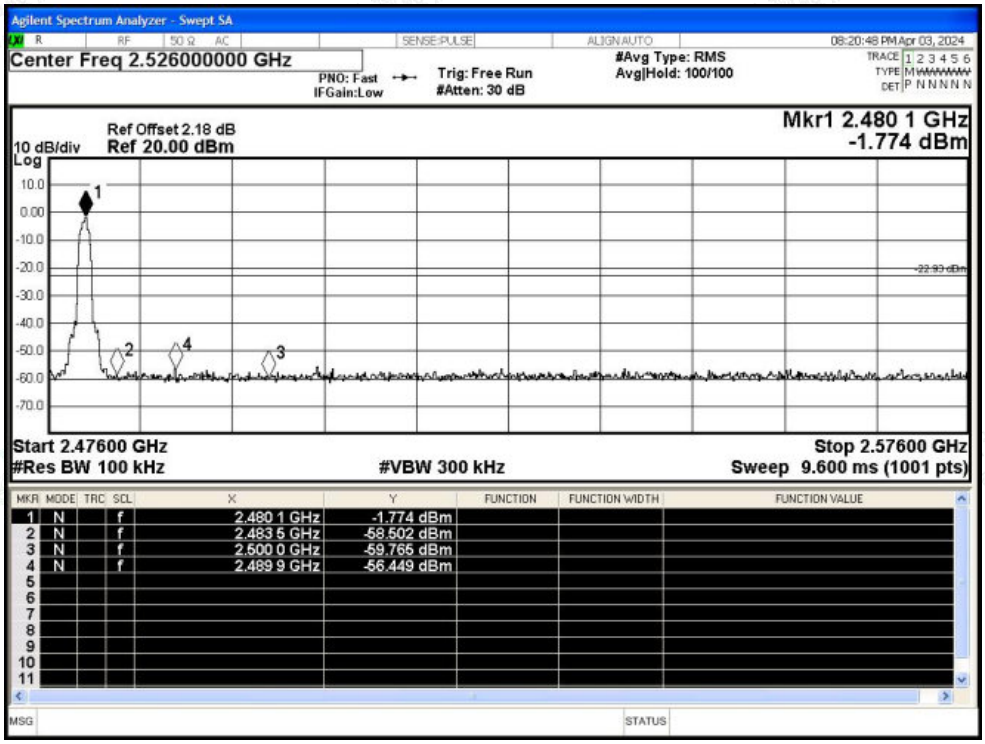

Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Emission



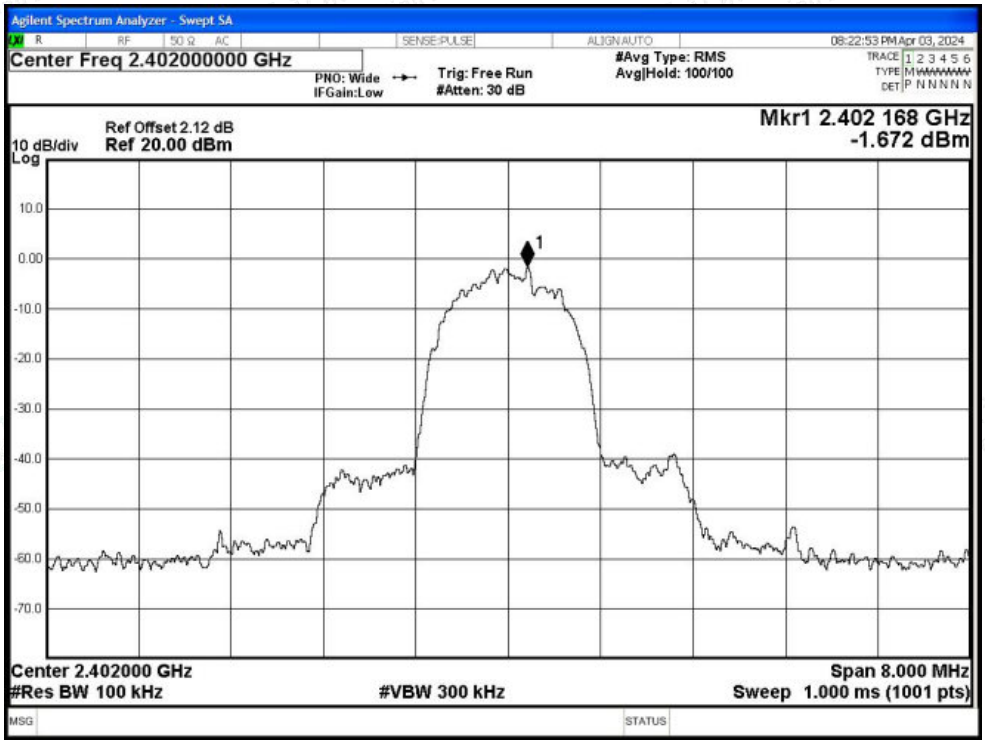
Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Ref



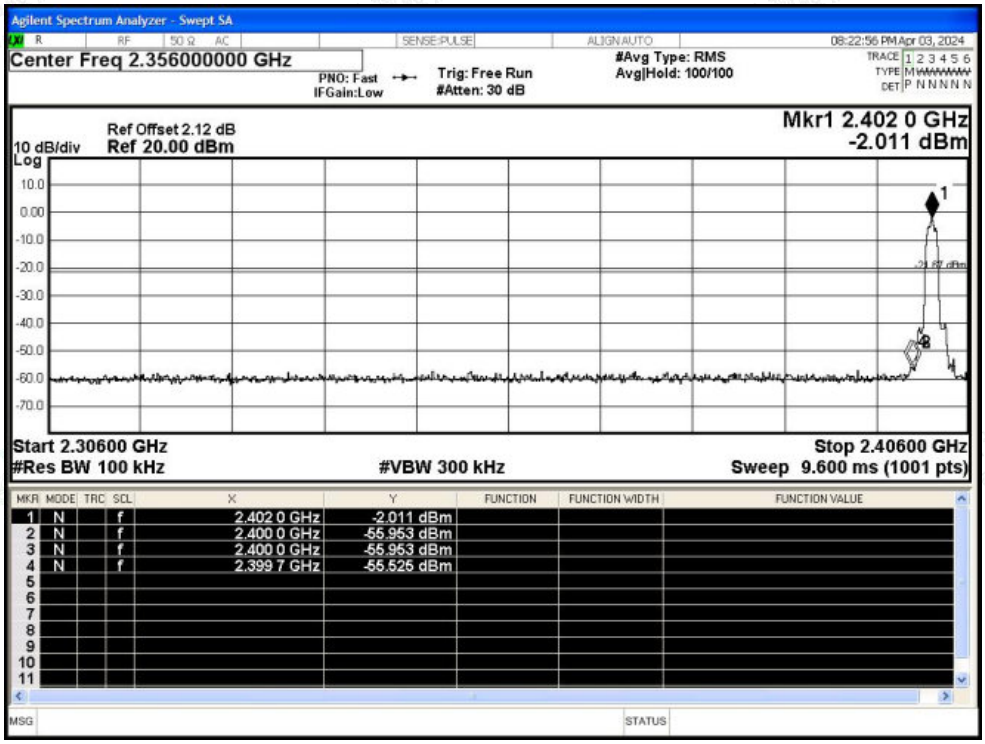

Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Emission



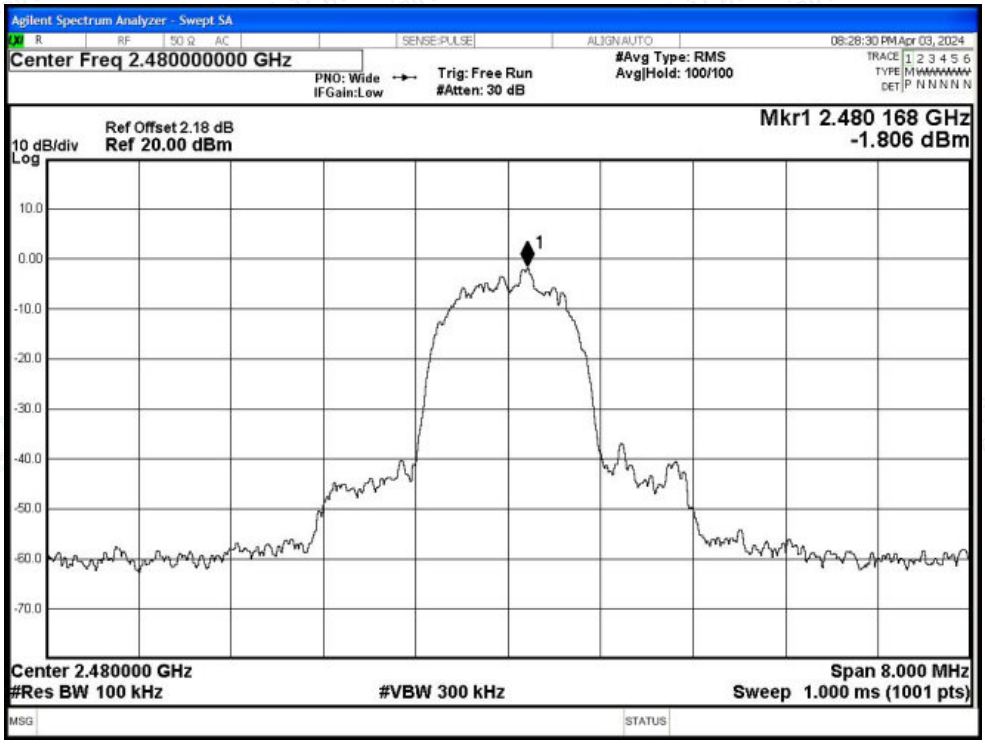
Band Edge NVNT 3-DH5 2402MHz Ant1 No-Hopping Ref



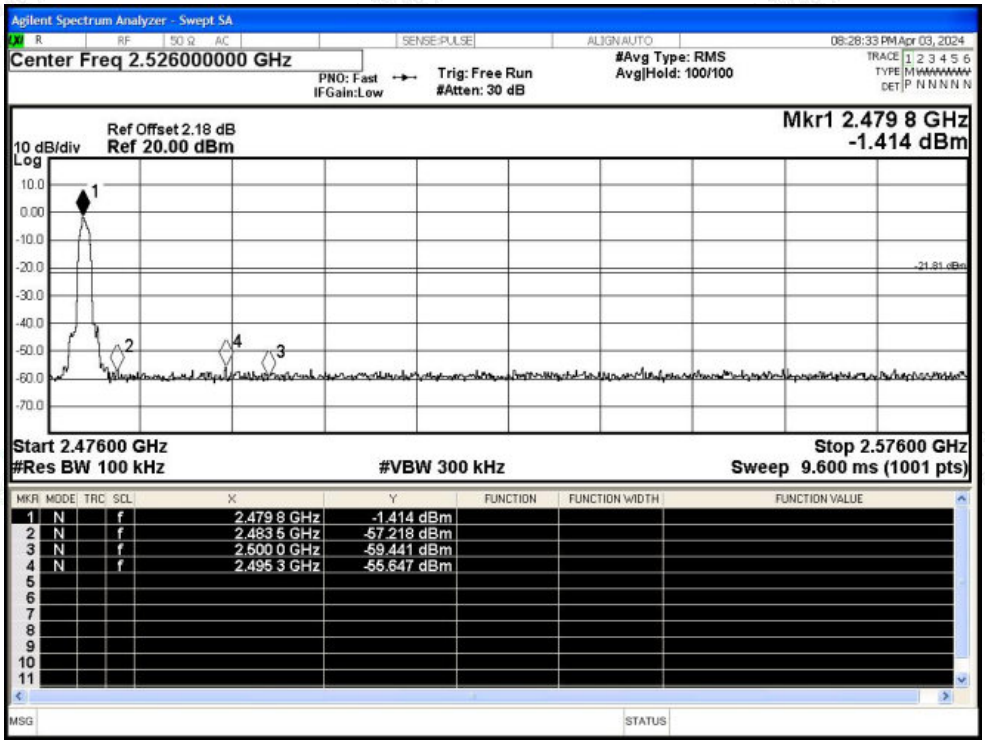

Band Edge NVNT 3-DH5 2402MHz Ant1 No-Hopping Emission



Band Edge NVNT 3-DH5 2480MHz Ant1 No-Hopping Ref




Band Edge NVNT 3-DH5 2480MHz Ant1 No-Hopping Emission

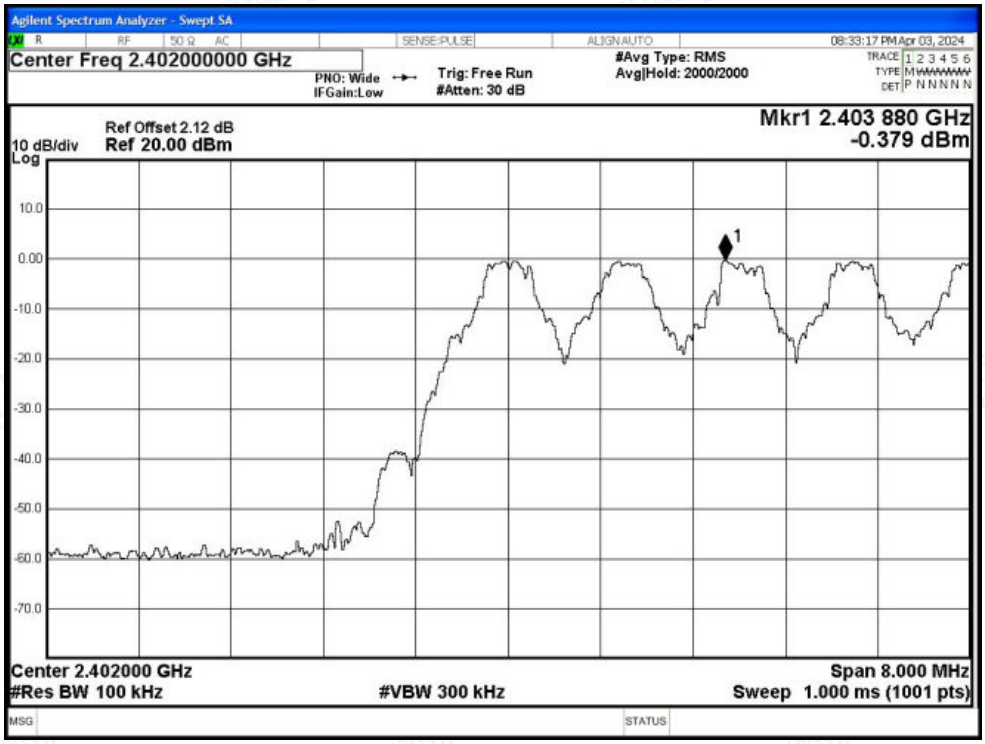


## (Hopping)

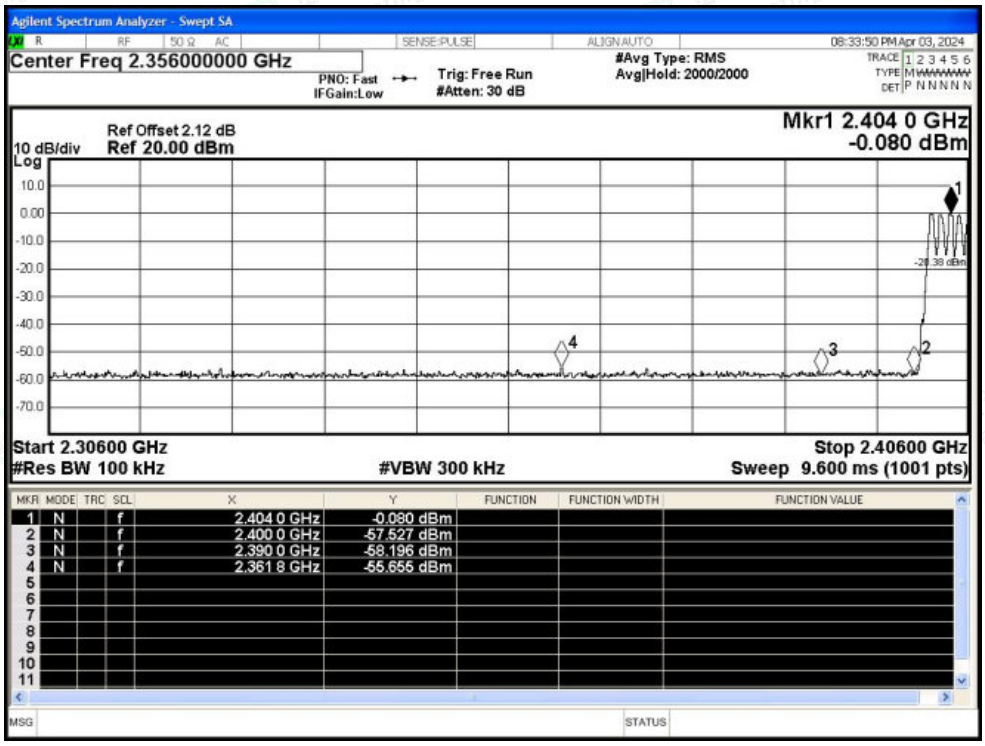
| Condition | Mode | Frequency (MHz) | Antenna | Hopping Mode | Max Value (dBc) | Limit (dBc) | Verdict |
|---|---|---|---|---|---|---|---|
| NVNT | 1-DH5 | 2402 | Ant1 | Hopping | -55.28 | -20 | Pass |
| NVNT | 1-DH5 | 2480 | Ant1 | Hopping | -55.62 | -20 | Pass |
| NVNT | 2-DH5 | 2402 | Ant1 | Hopping | -53 | -20 | Pass |
| NVNT | 2-DH5 | 2480 | Ant1 | Hopping | -53.91 | -20 | Pass |
| NVNT | 3-DH5 | 2402 | Ant1 | Hopping | -53.1 | -20 | Pass |
| NVNT | 3-DH5 | 2480 | Ant1 | Hopping | -54.55 | -20 | Pass |

Test Graphs

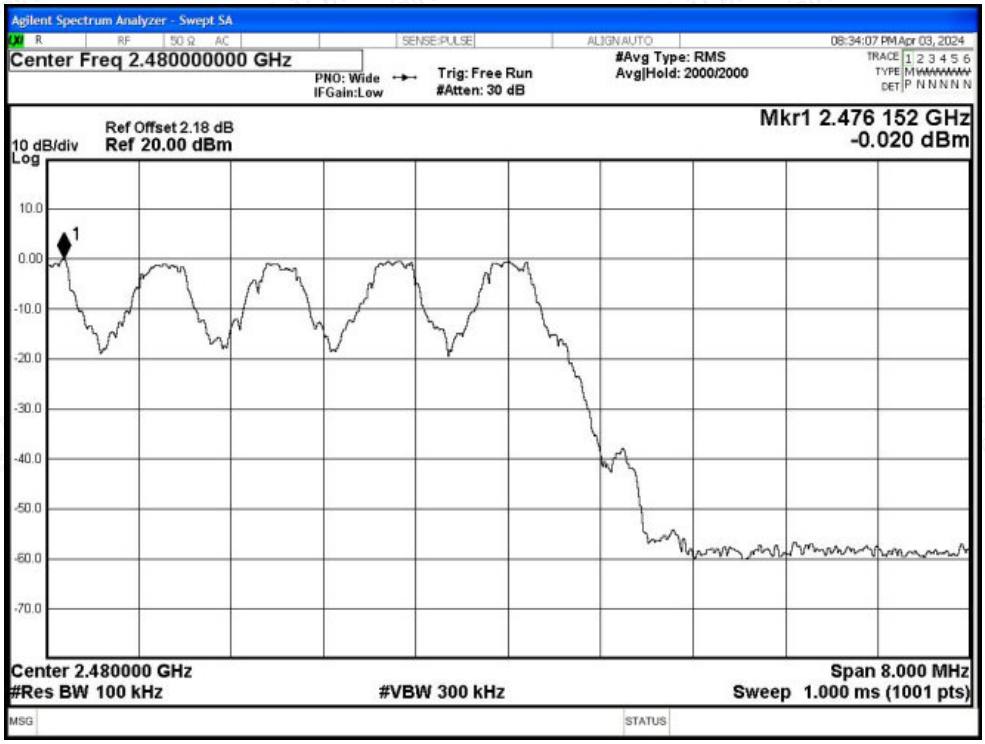
Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant1 Hopping Ref



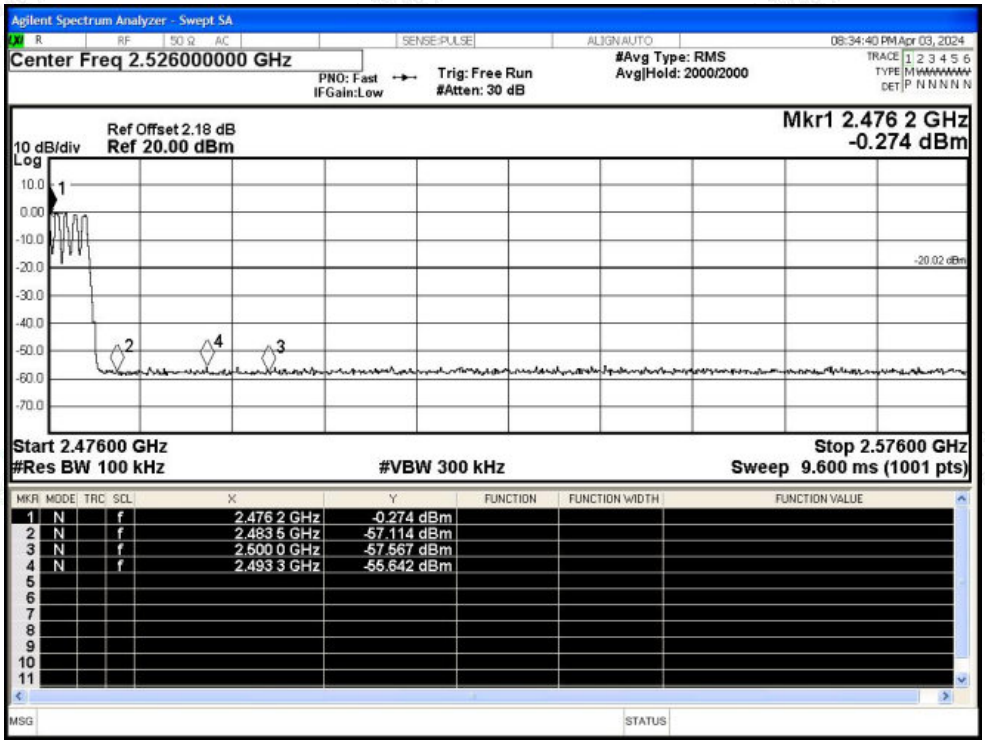

Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant1 Hopping Emission



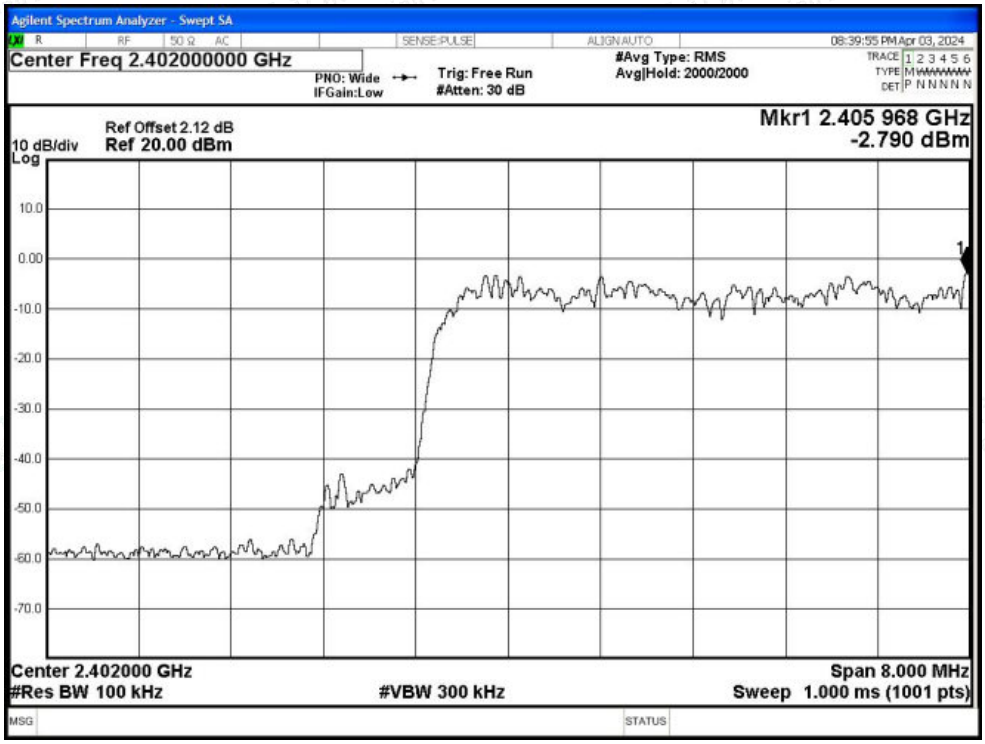
Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Ref



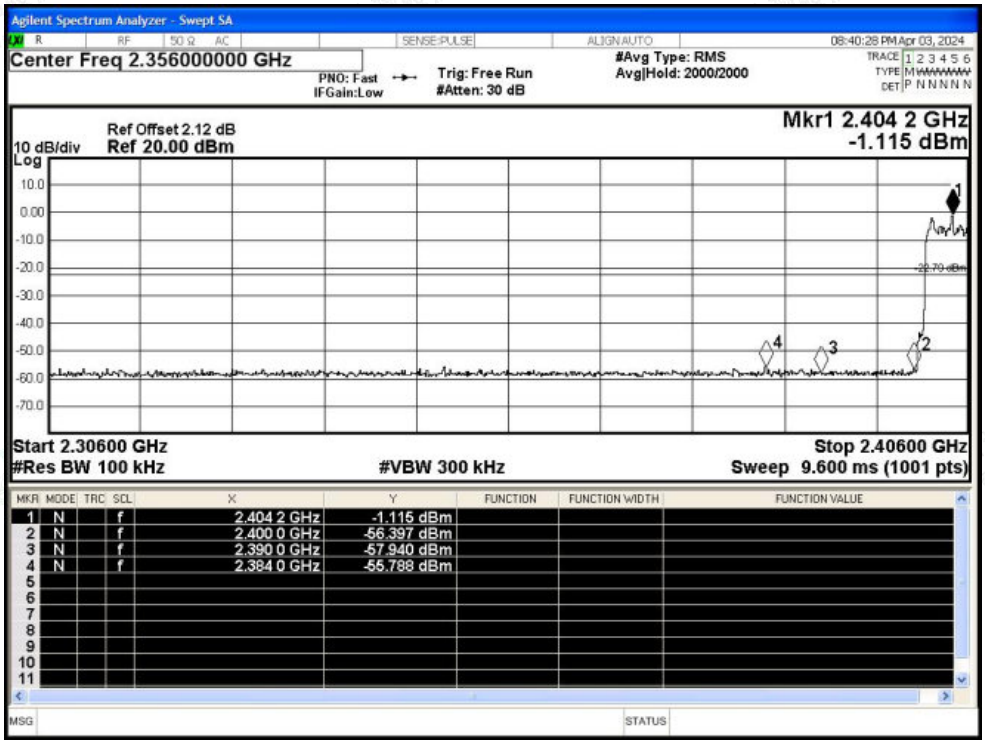

Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Emission



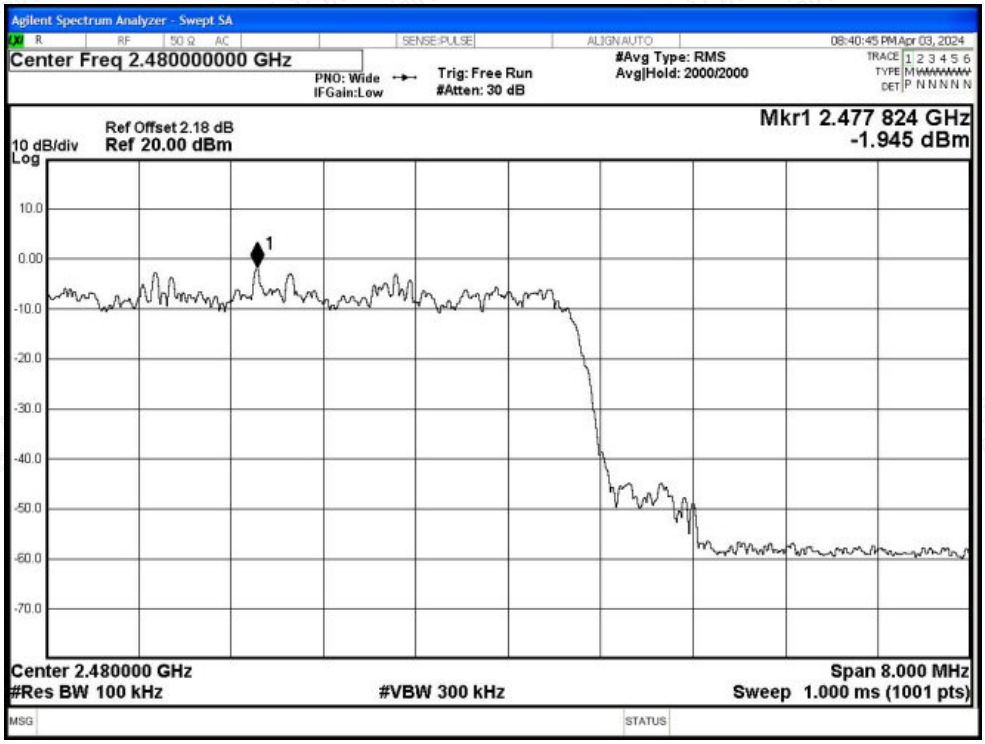
Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Ref

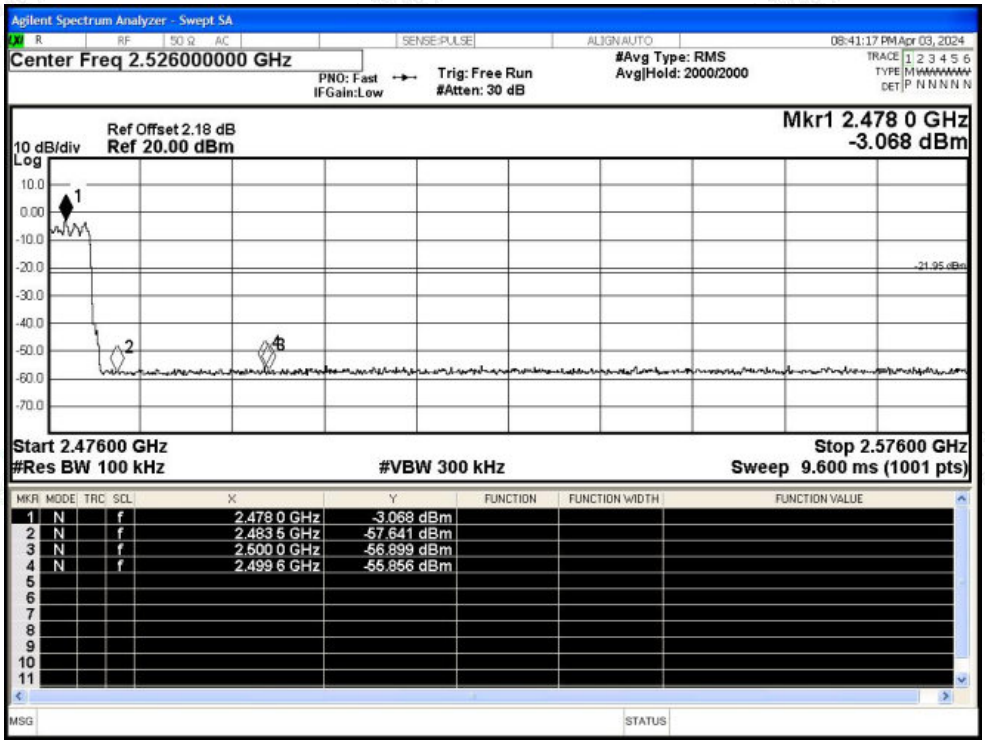



Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Emission



Band Edge(Hopping) NVNT 2-DH5 2480MHz Ant1 Hopping Ref




Band Edge(Hopping) NVNT 2-DH5 2480MHz Ant1 Hopping Emission