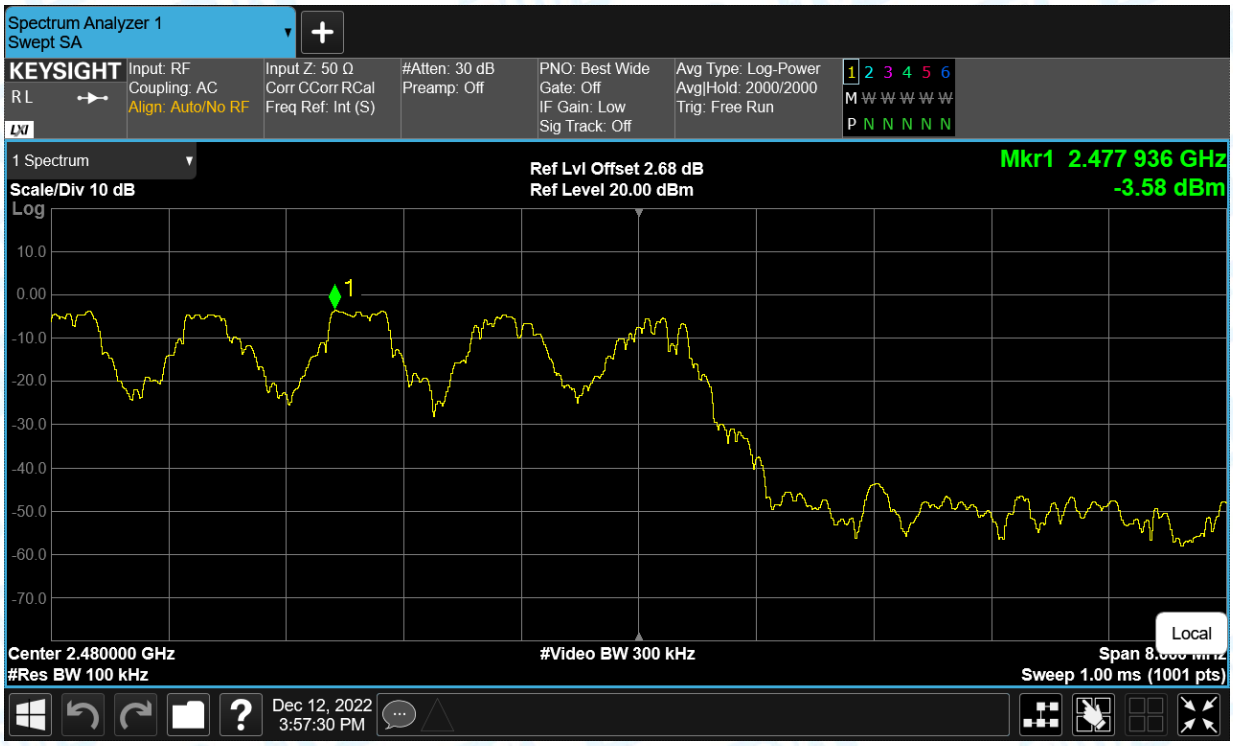
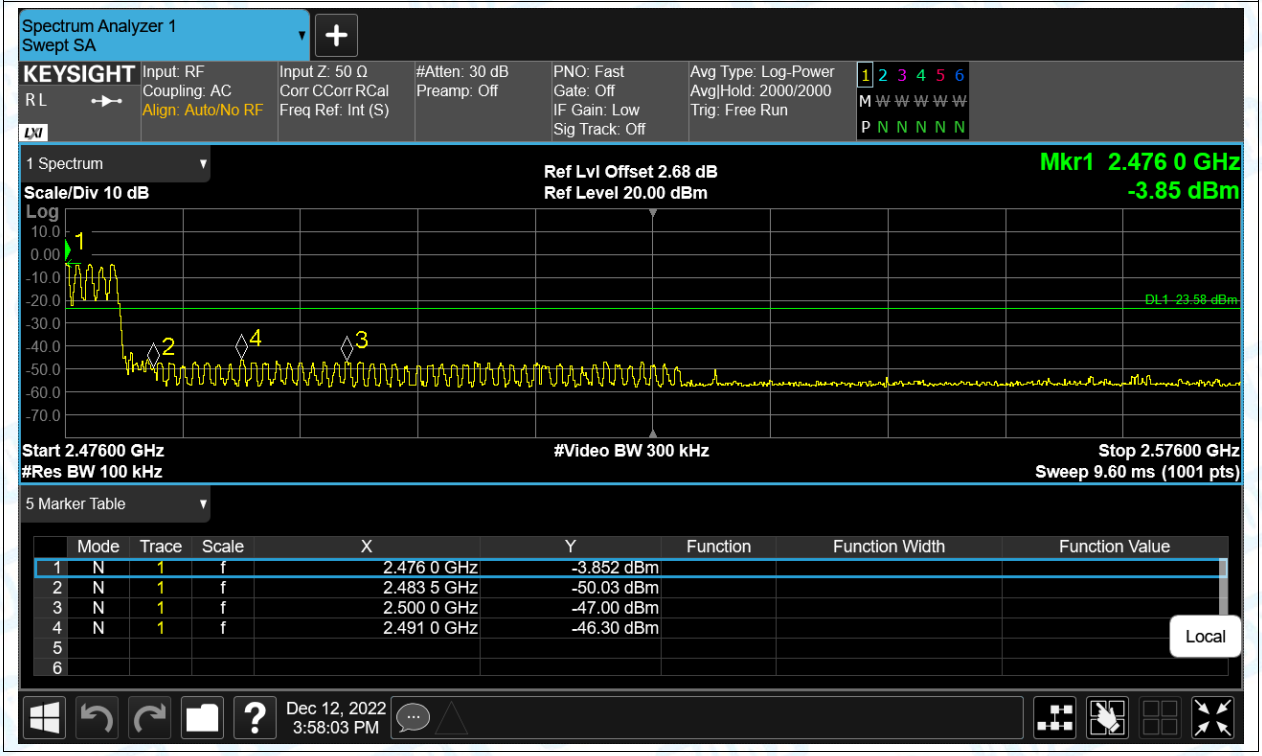
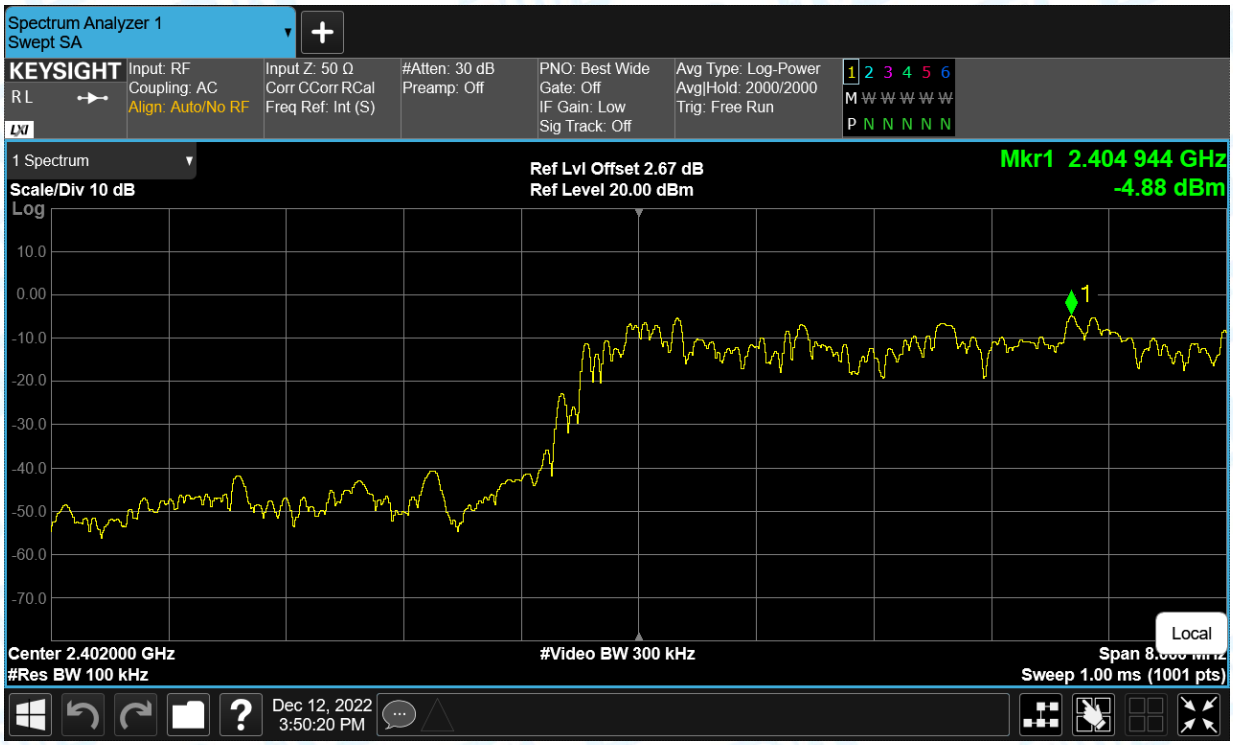
Band Edge(Hopping) NVNT 1-DH1 2480MHz Ant1 Hopping Ref



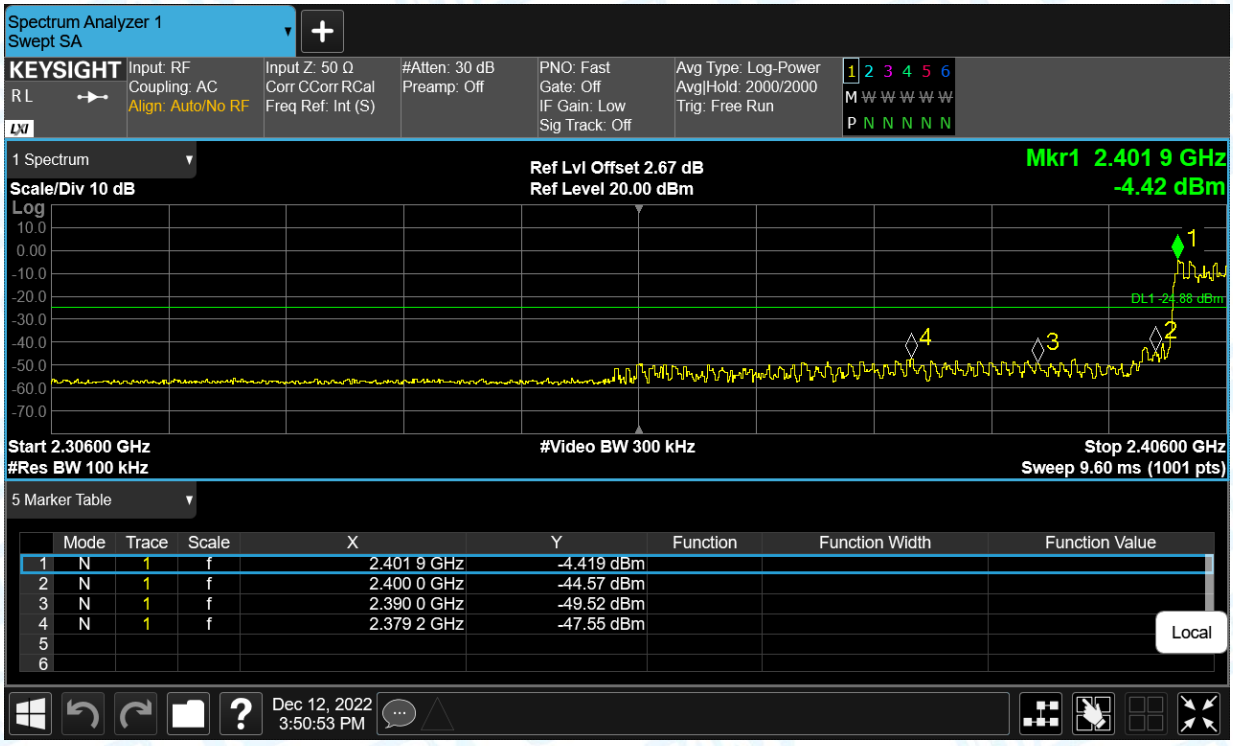

Band Edge(Hopping) NVNT 1-DH1 2480MHz Ant1 Hopping Emission



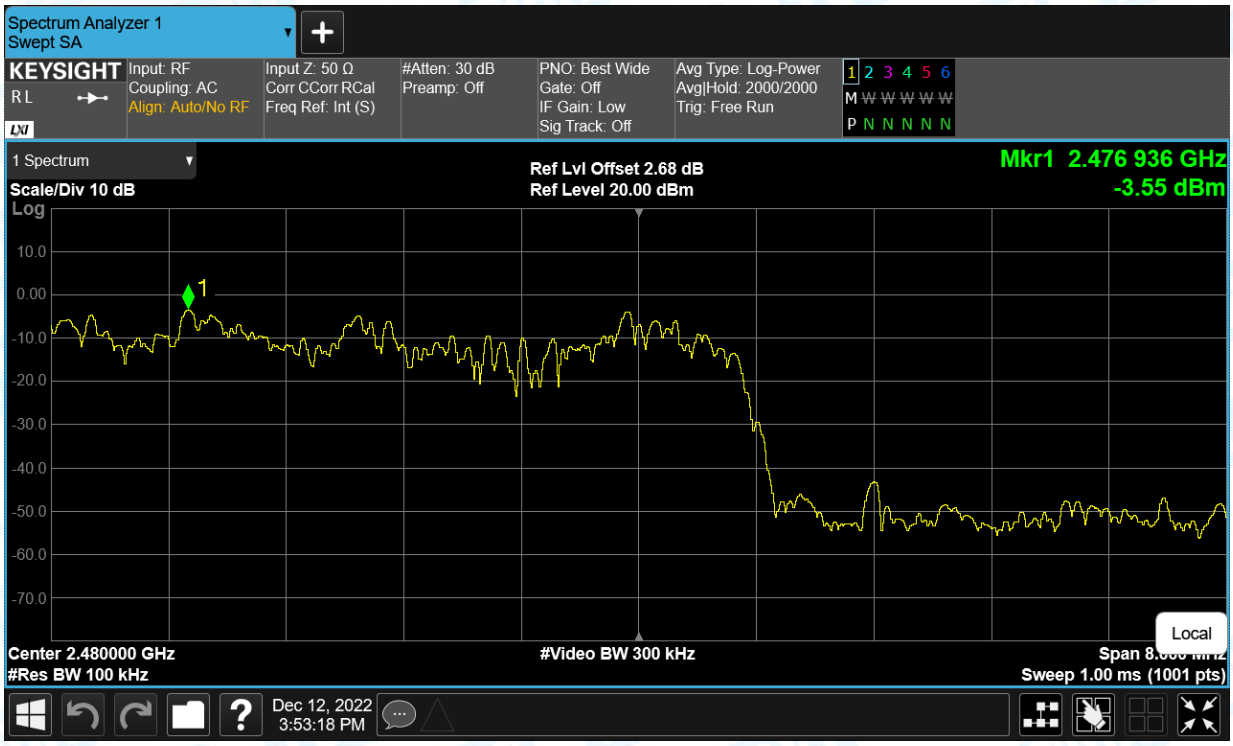
Band Edge(Hopping) NVNT 2-DH1 2402MHz Ant1 Hopping Ref



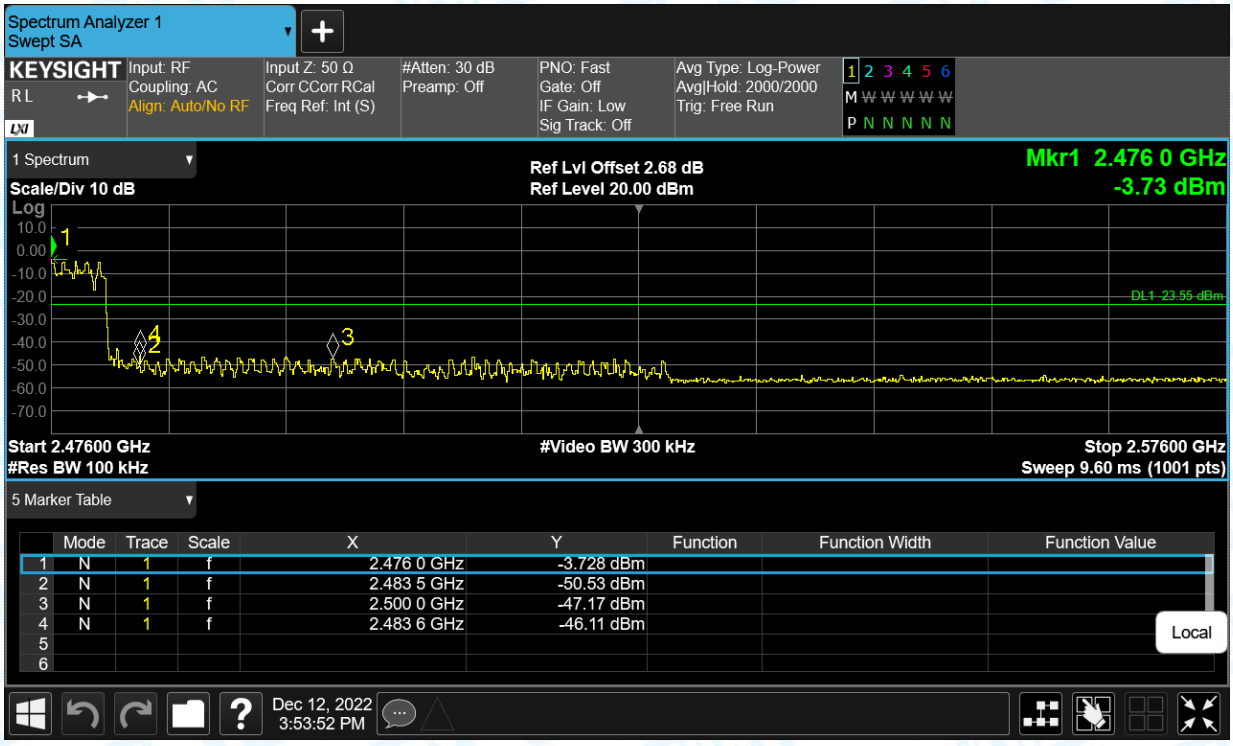

Band Edge(Hopping) NVNT 2-DH1 2402MHz Ant1 Hopping Emission



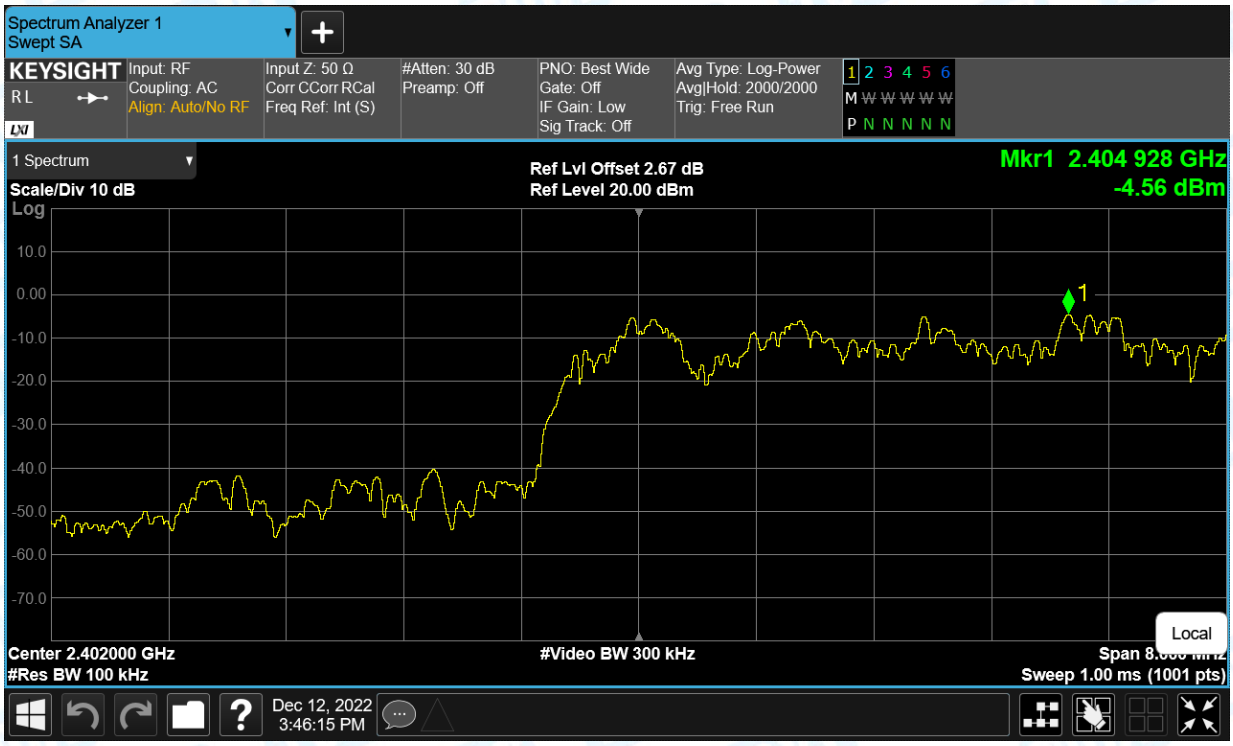
Band Edge(Hopping) NVNT 2-DH1 2480MHz Ant1 Hopping Ref



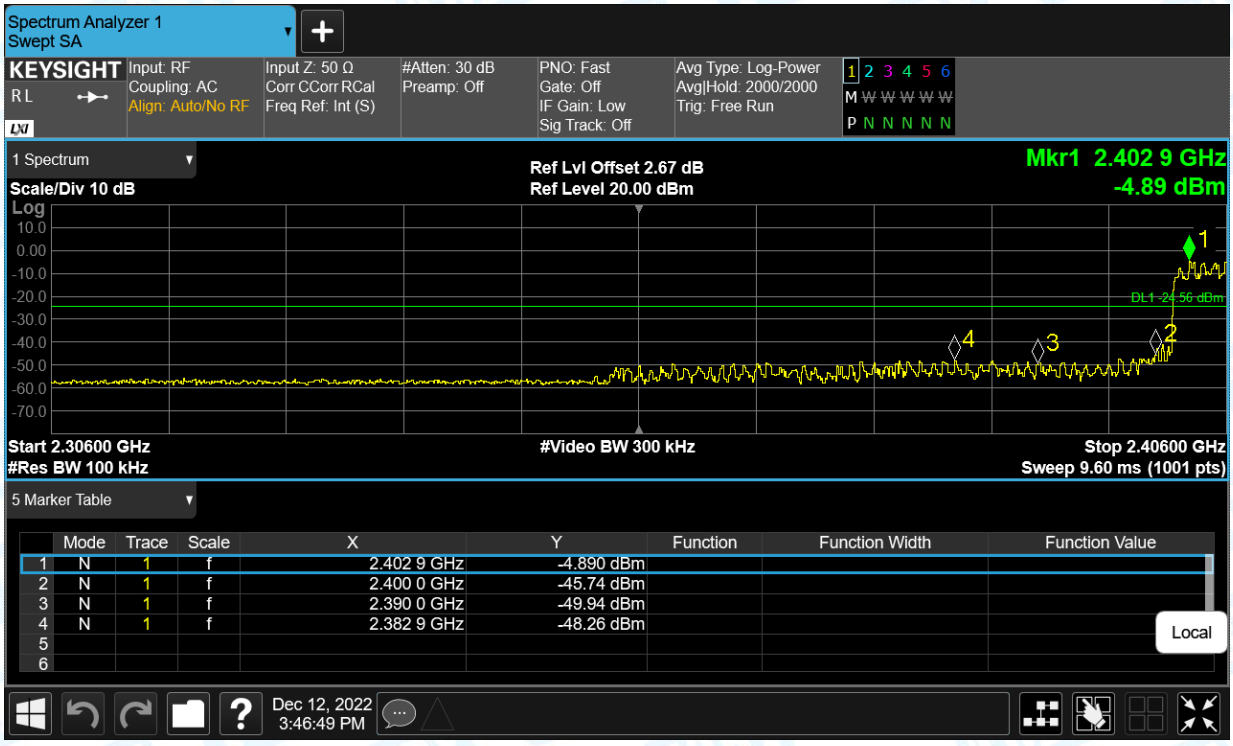

Band Edge(Hopping) NVNT 2-DH1 2480MHz Ant1 Hopping Emission



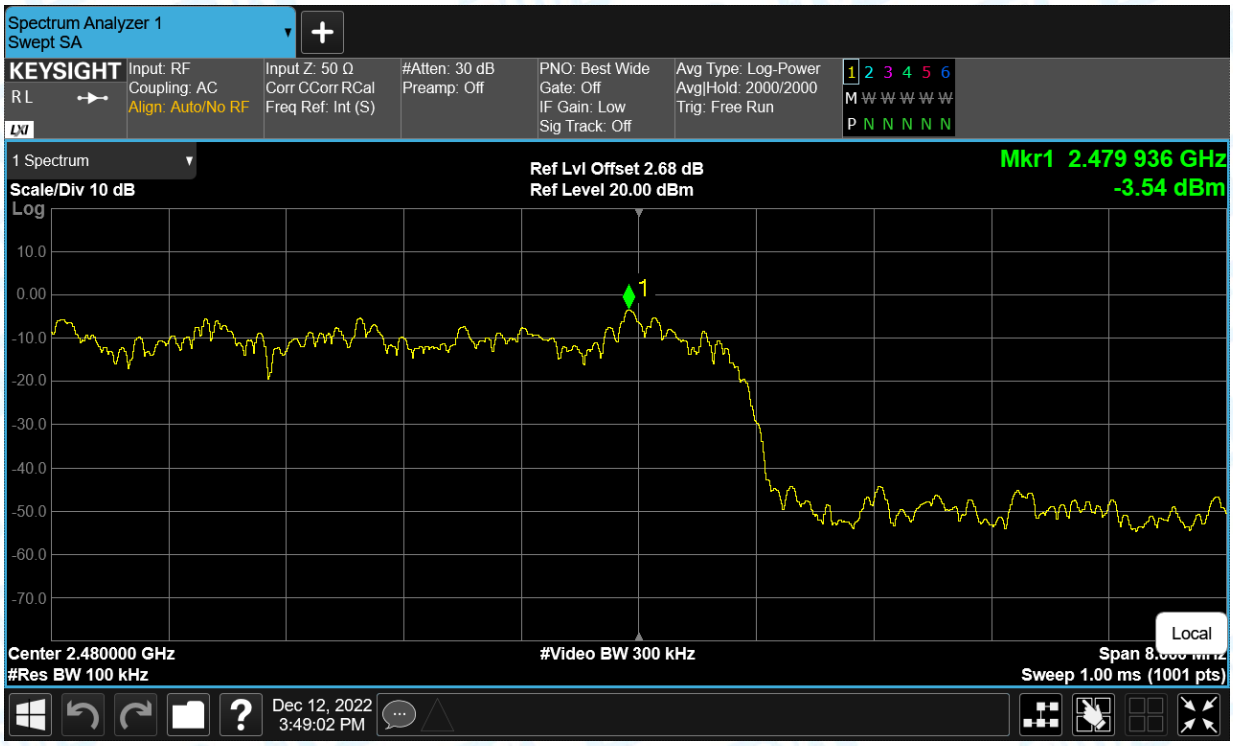
Band Edge(Hopping) NVNT 3-DH1 2402MHz Ant1 Hopping Ref



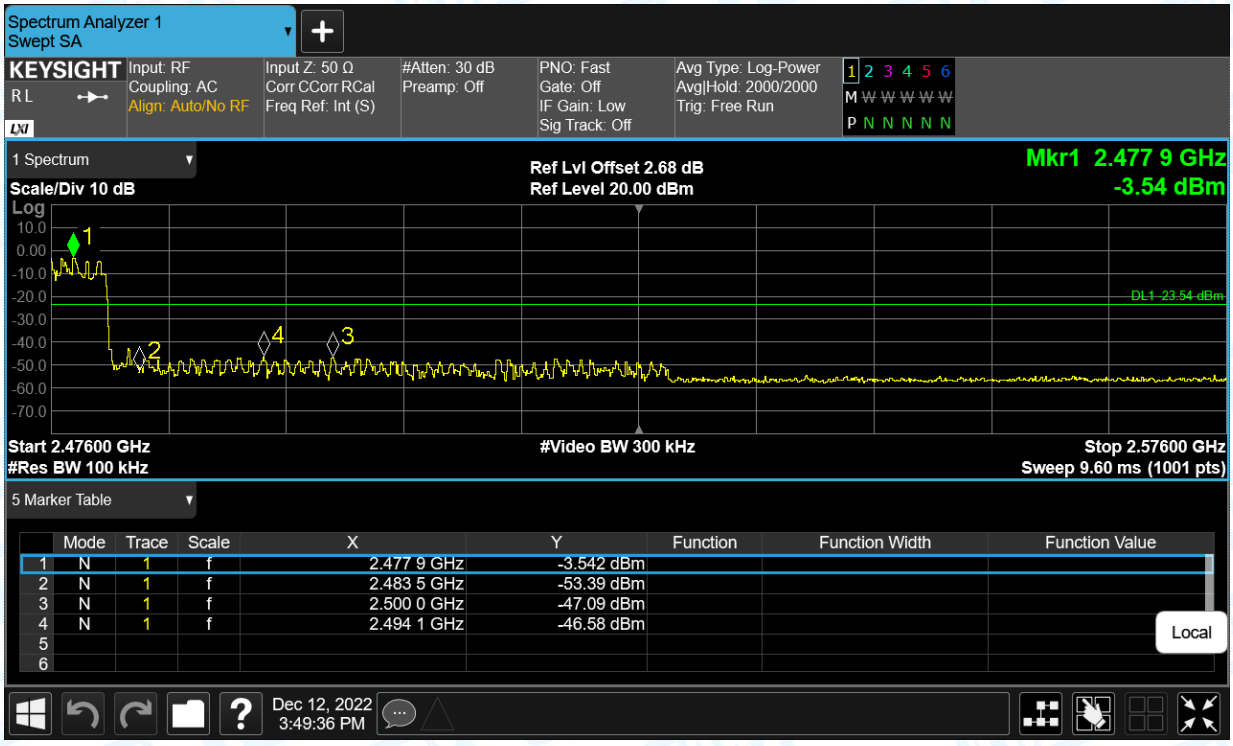

Band Edge(Hopping) NVNT 3-DH1 2402MHz Ant1 Hopping Emission



Band Edge(Hopping) NVNT 3-DH1 2480MHz Ant1 Hopping Ref




Band Edge(Hopping) NVNT 3-DH1 2480MHz Ant1 Hopping Emission

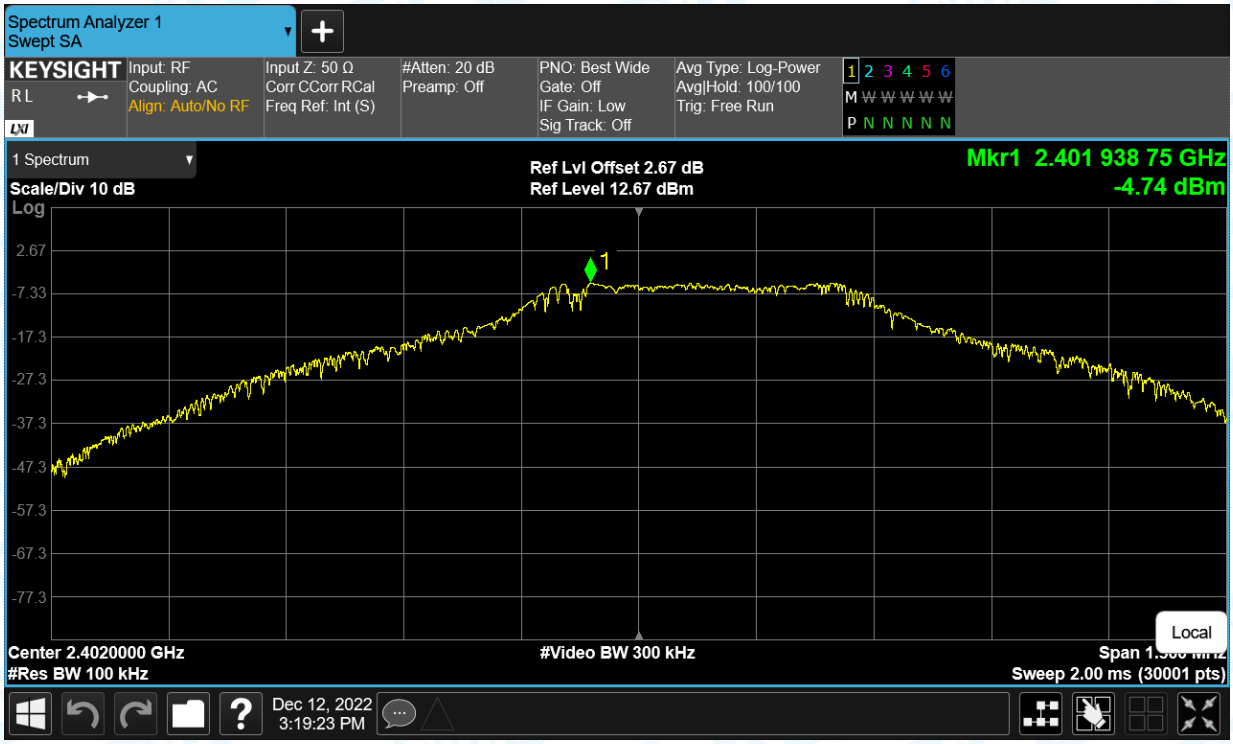


# 7. Conducted RF Spurious Emission

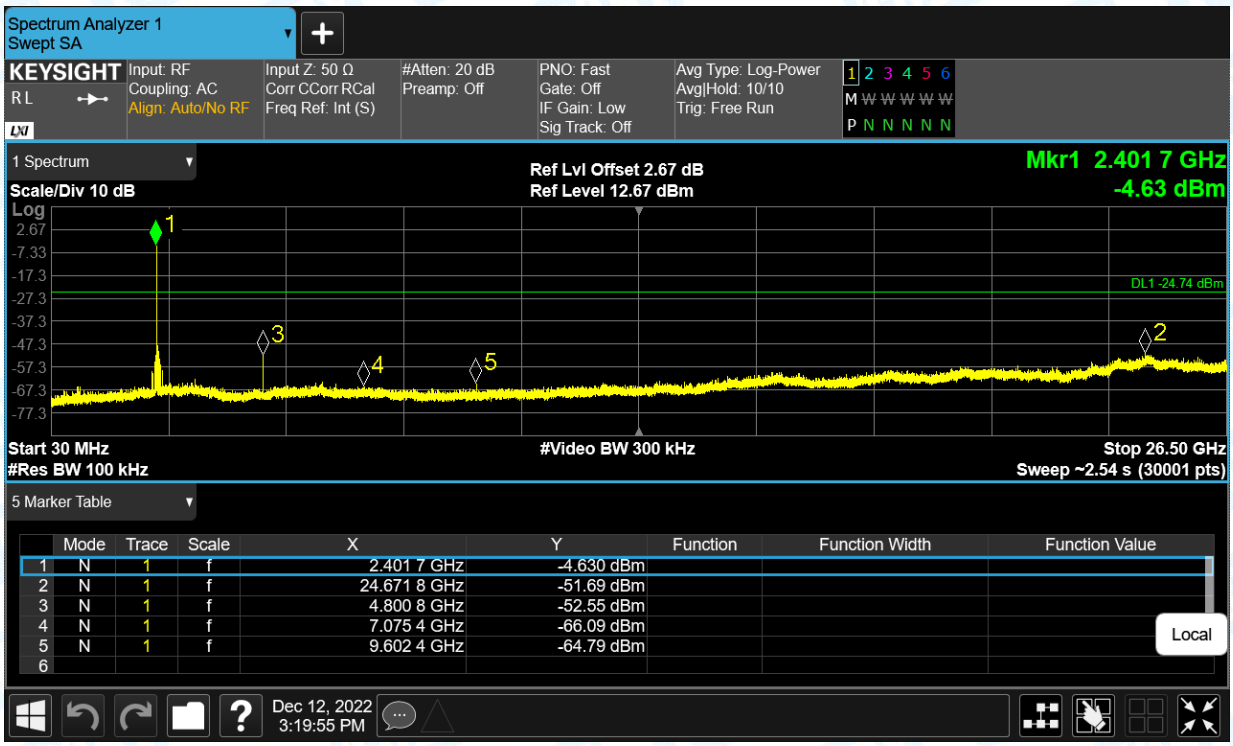
| Condition | Mode | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
|---|---|---|---|---|---|---|
| NVNT | 1-DH1 | 2402 | Ant1 | -46.95 | -20 | Pass |
| NVNT | 1-DH1 | 2441 | Ant1 | -47.32 | -20 | Pass |
| NVNT | 1-DH1 | 2480 | Ant1 | -45.88 | -20 | Pass |
| NVNT | 2-DH1 | 2402 | Ant1 | -46.83 | -20 | Pass |
| NVNT | 2-DH1 | 2441 | Ant1 | -46.55 | -20 | Pass |
| NVNT | 2-DH1 | 2480 | Ant1 | -45.34 | -20 | Pass |
| NVNT | 3-DH1 | 2402 | Ant1 | -47.13 | -20 | Pass |
| NVNT | 3-DH1 | 2441 | Ant1 | -47.28 | -20 | Pass |
| NVNT | 3-DH1 | 2480 | Ant1 | -46.96 | -20 | Pass |

Test Graphs

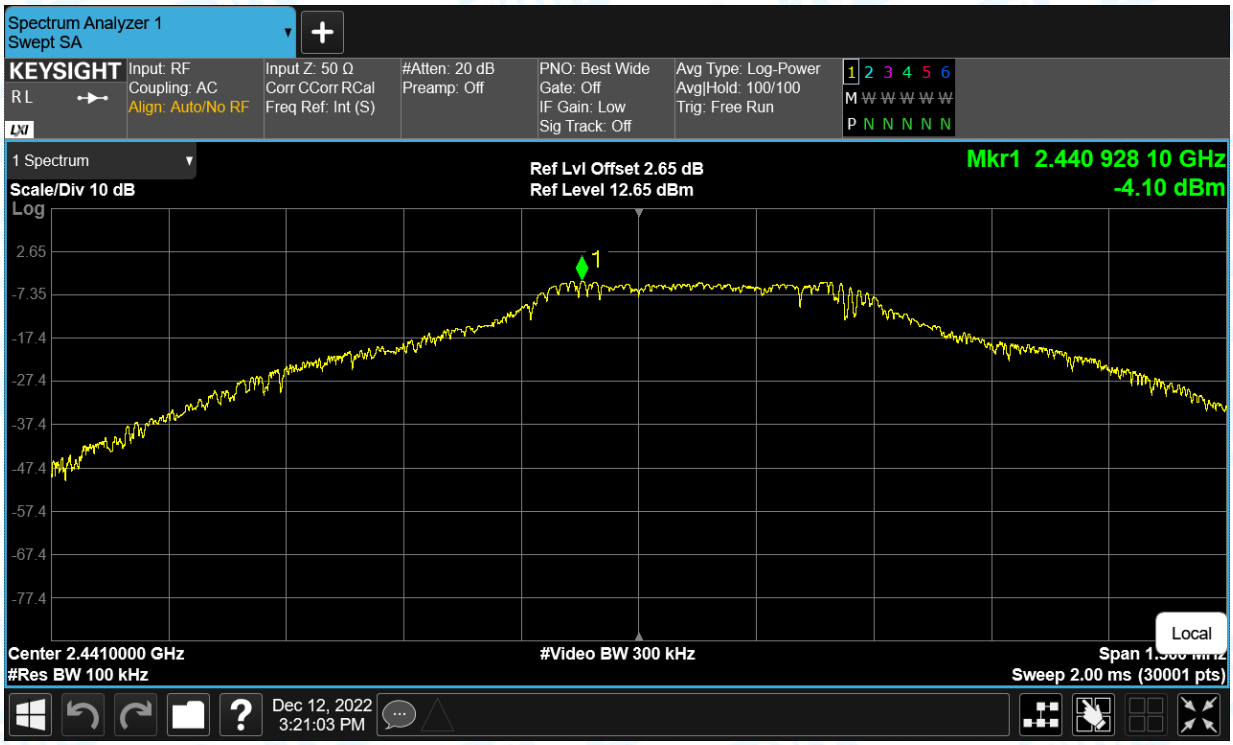
Tx. Spurious NVNT 1-DH1 2402MHz Ant1 Ref



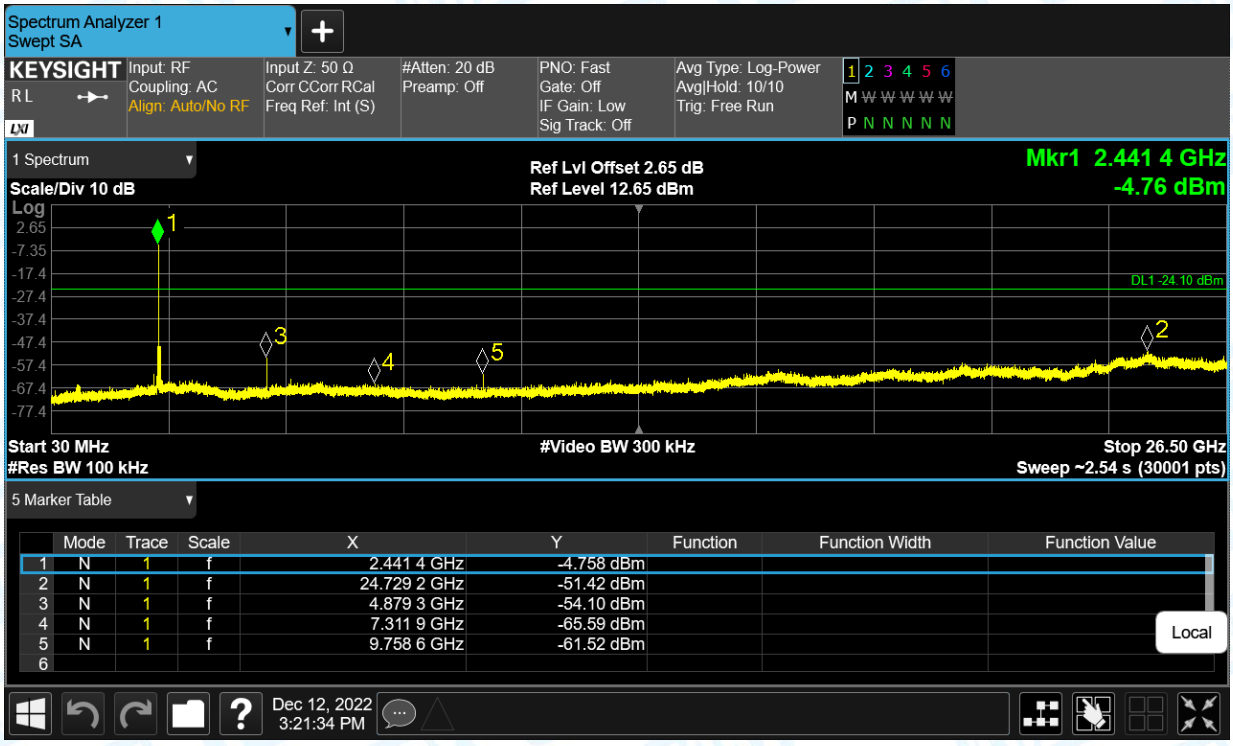

Tx. Spurious NVNT 1-DH1 2402MHz Ant1 Emission



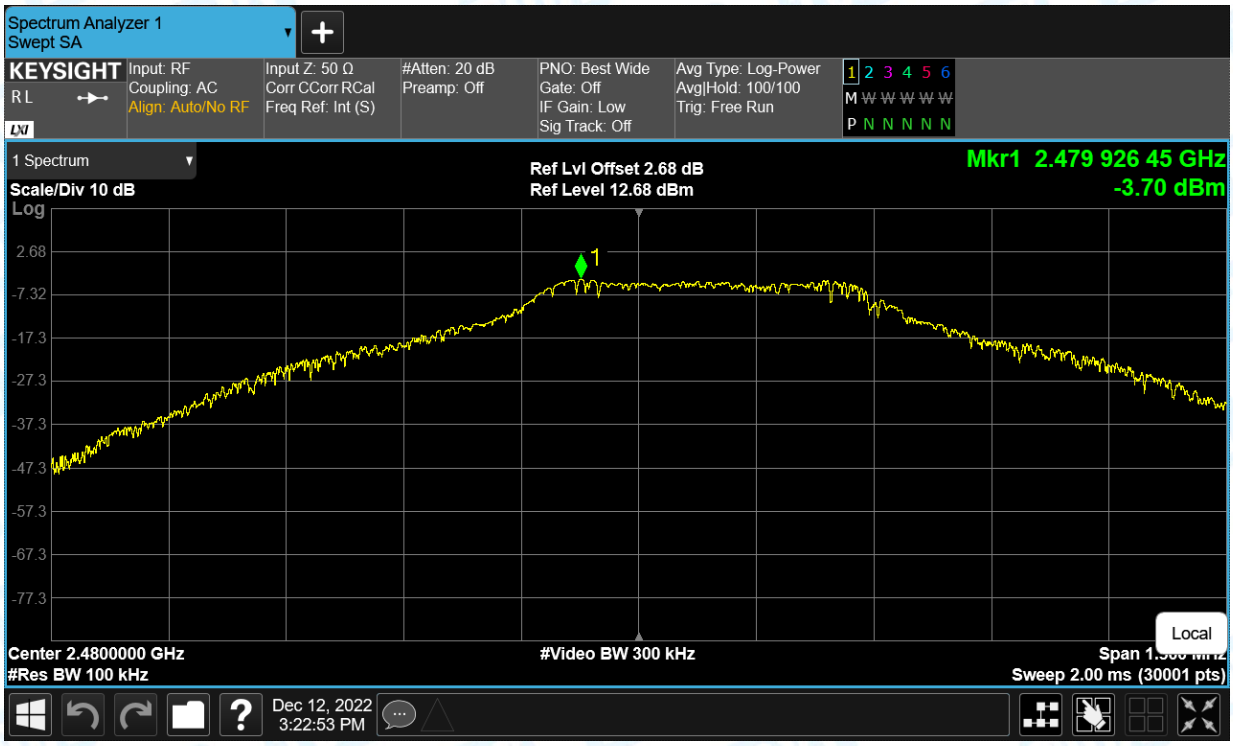
Tx. Spurious NVNT 1-DH1 2441MHz Ant1 Ref



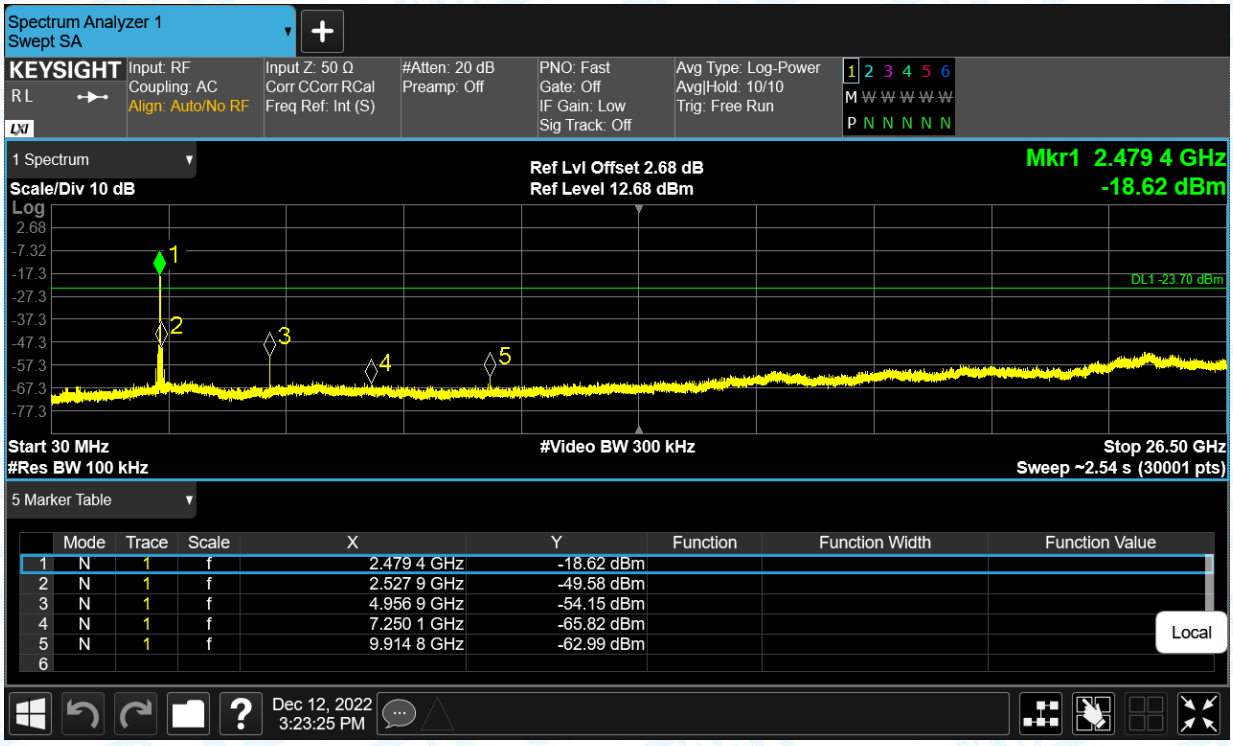

Tx. Spurious NVNT 1-DH1 2441MHz Ant1 Emission



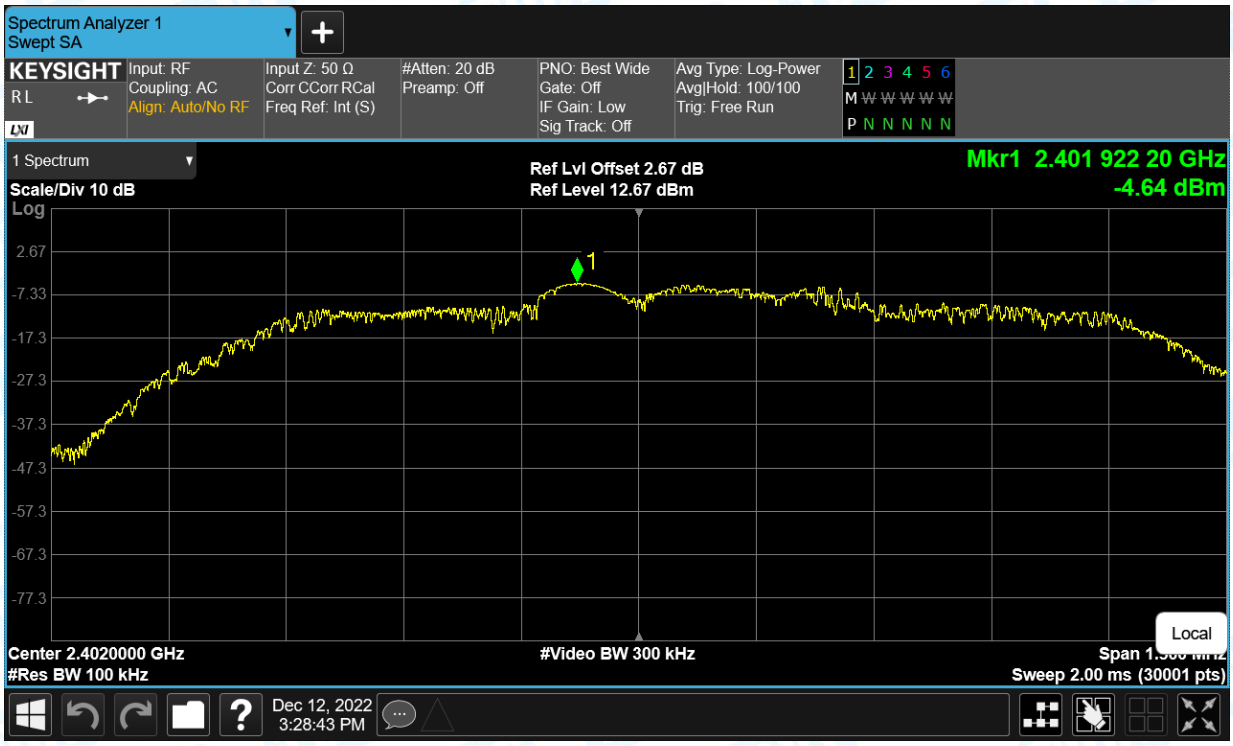
Tx. Spurious NVNT 1-DH1 2480MHz Ant1 Ref



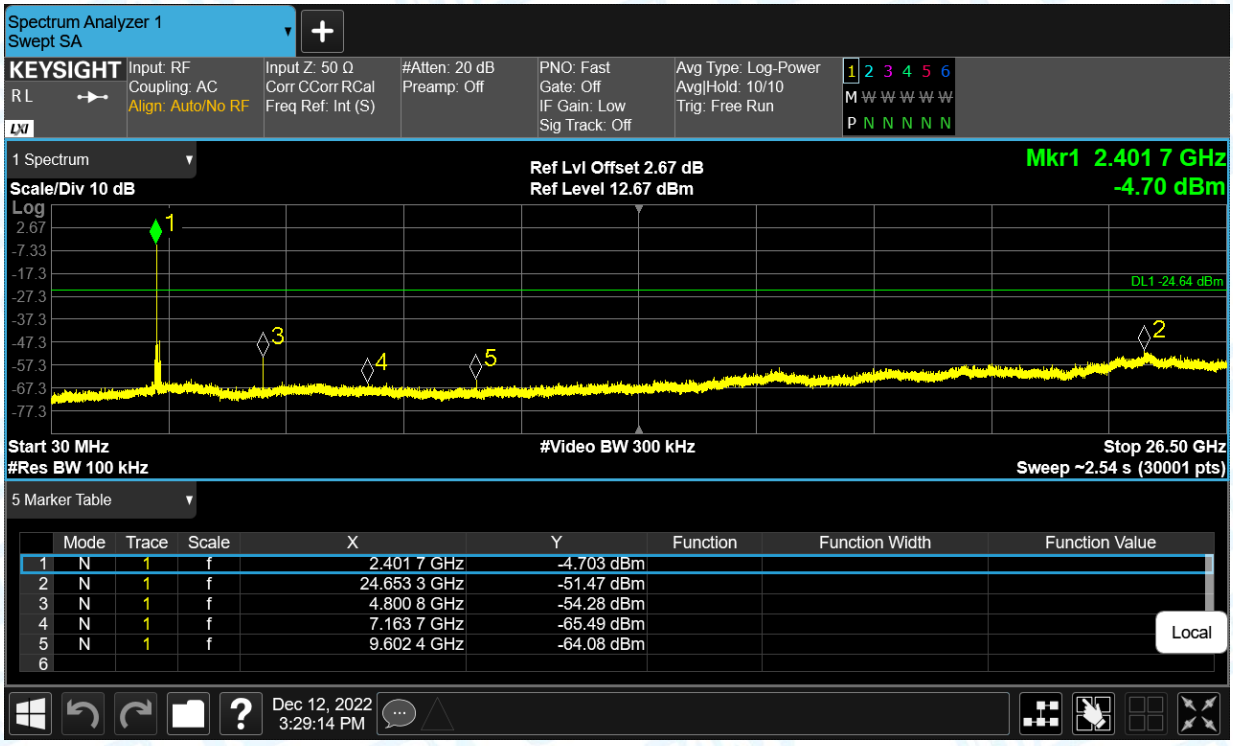

Tx. Spurious NVNT 1-DH1 2480MHz Ant1 Emission



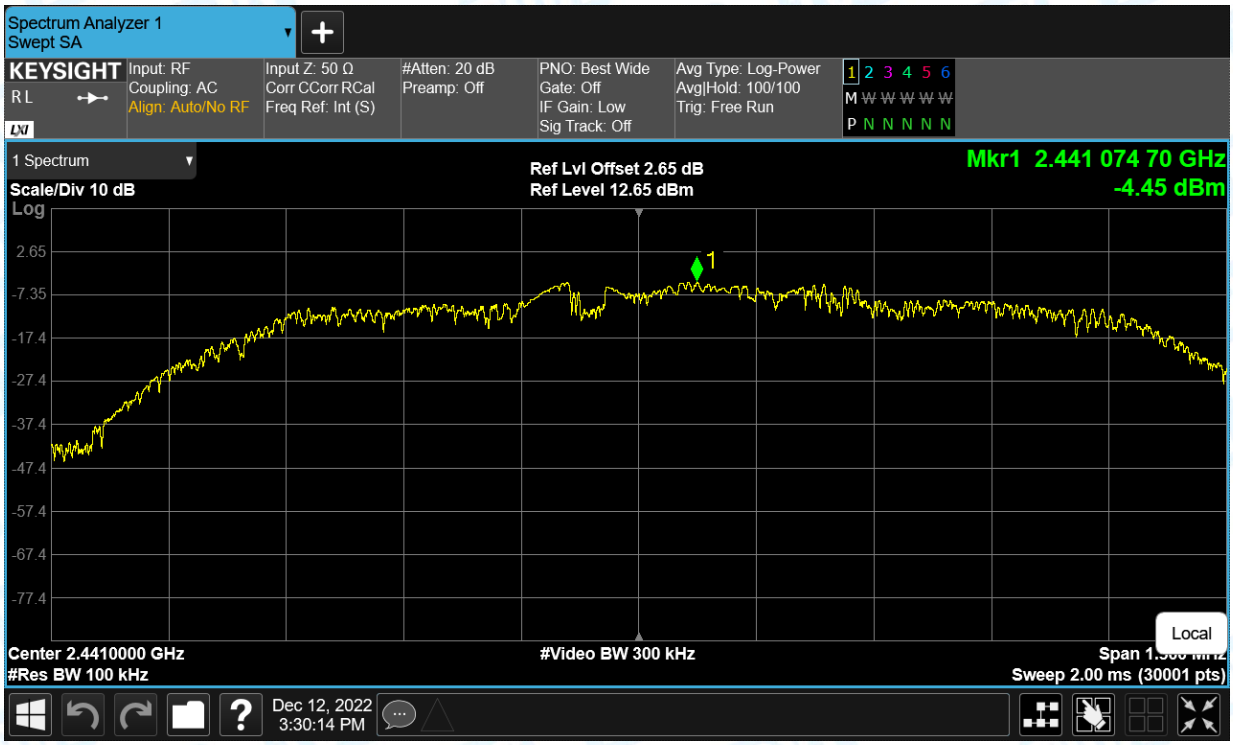
Tx. Spurious NVNT 2-DH1 2402MHz Ant1 Ref



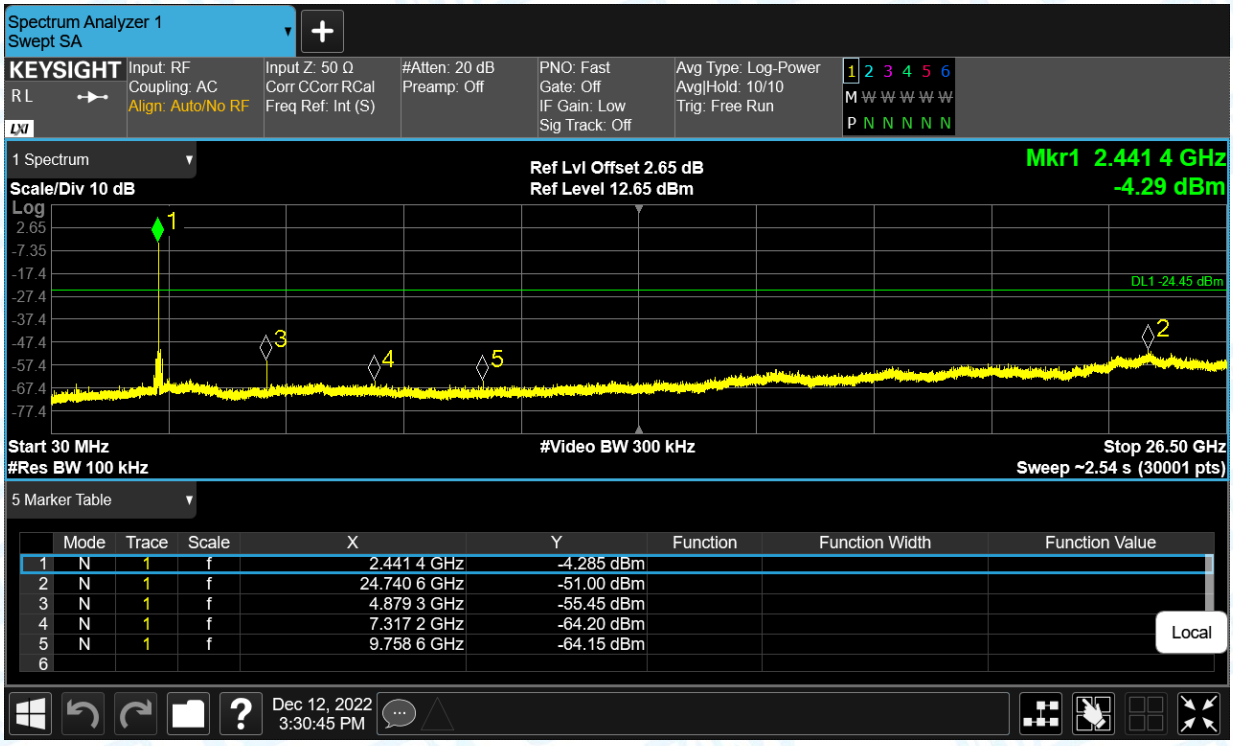

Tx. Spurious NVNT 2-DH1 2402MHz Ant1 Emission



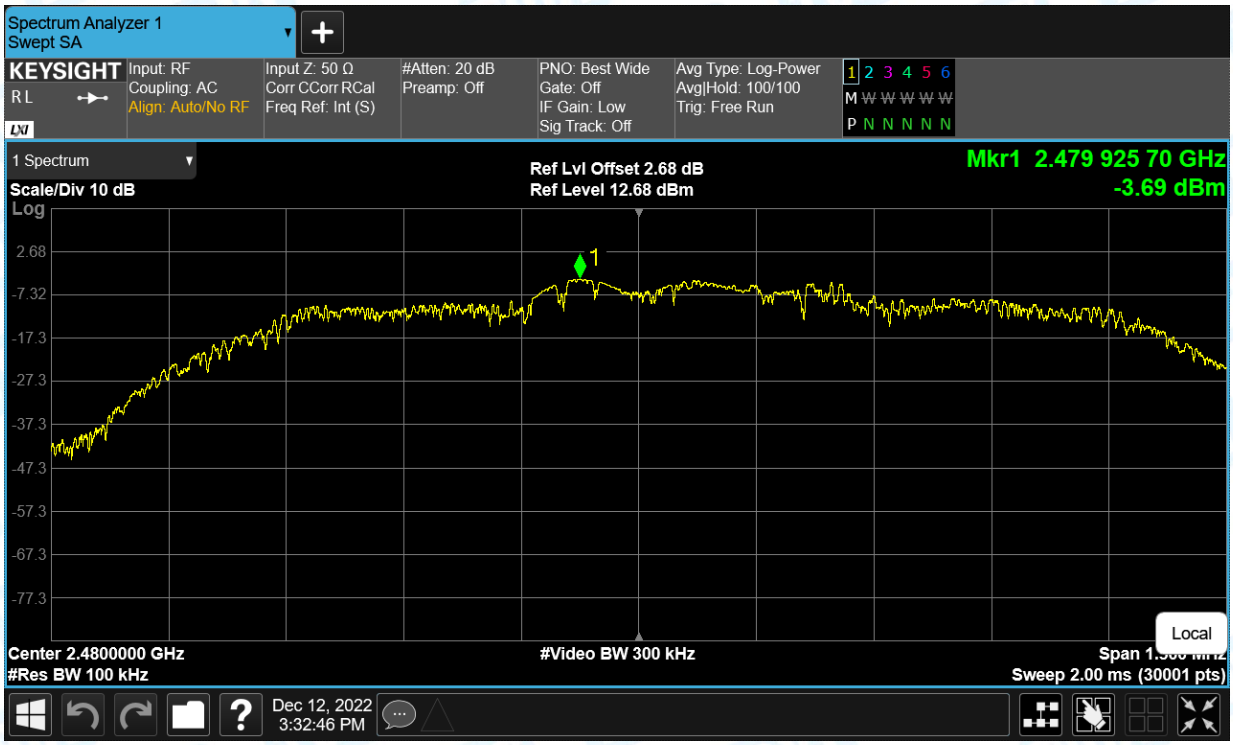
Tx. Spurious NVNT 2-DH1 2441MHz Ant1 Ref



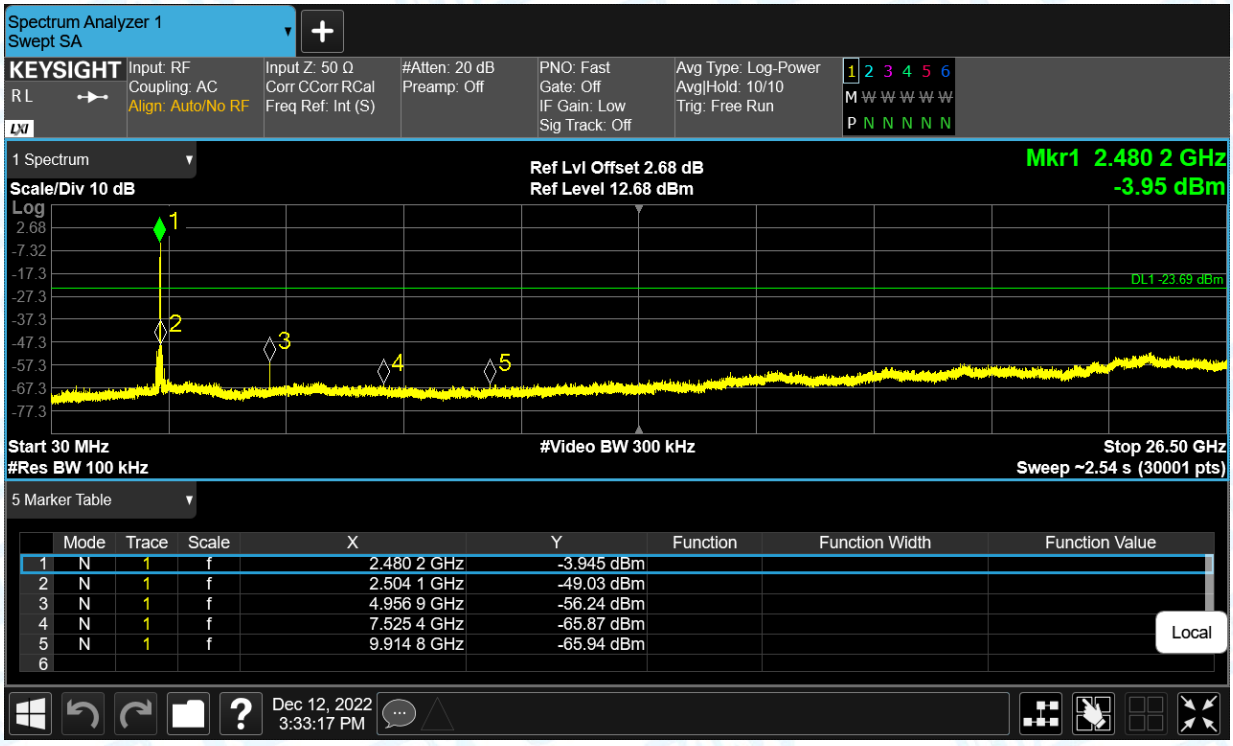

Tx. Spurious NVNT 2-DH1 2441MHz Ant1 Emission



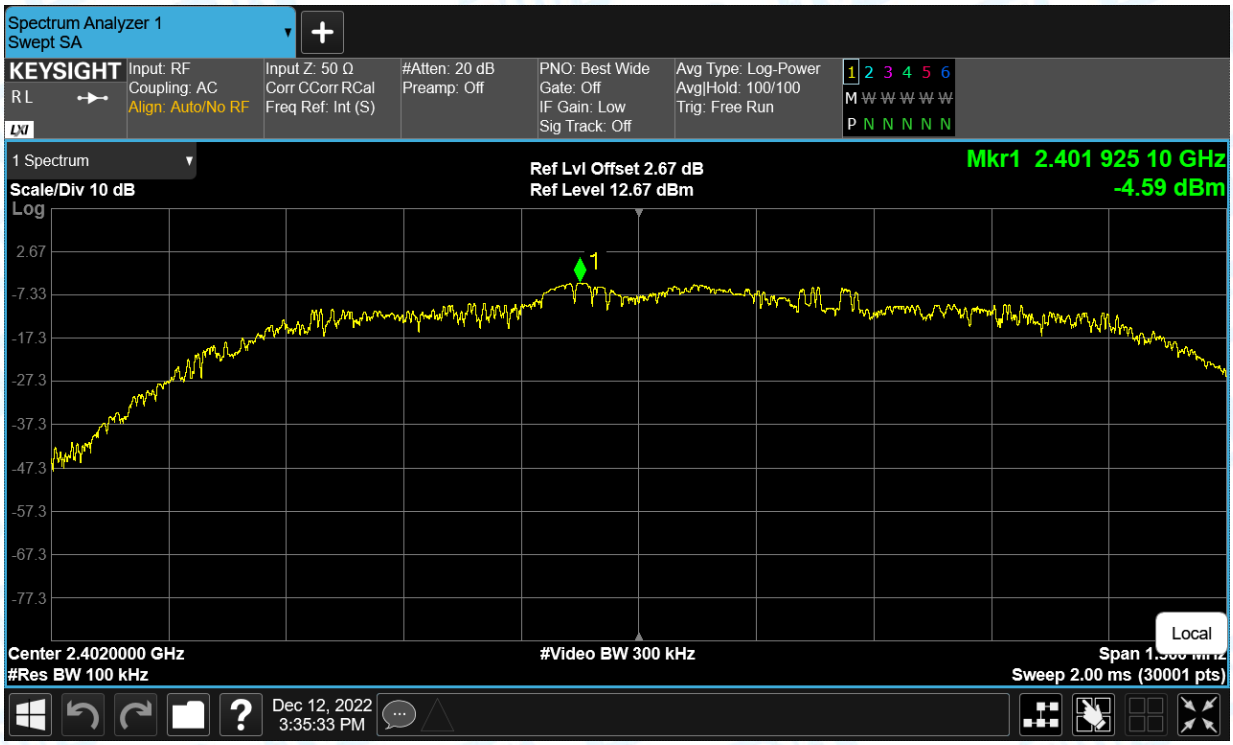
Tx. Spurious NVNT 2-DH1 2480MHz Ant1 Ref



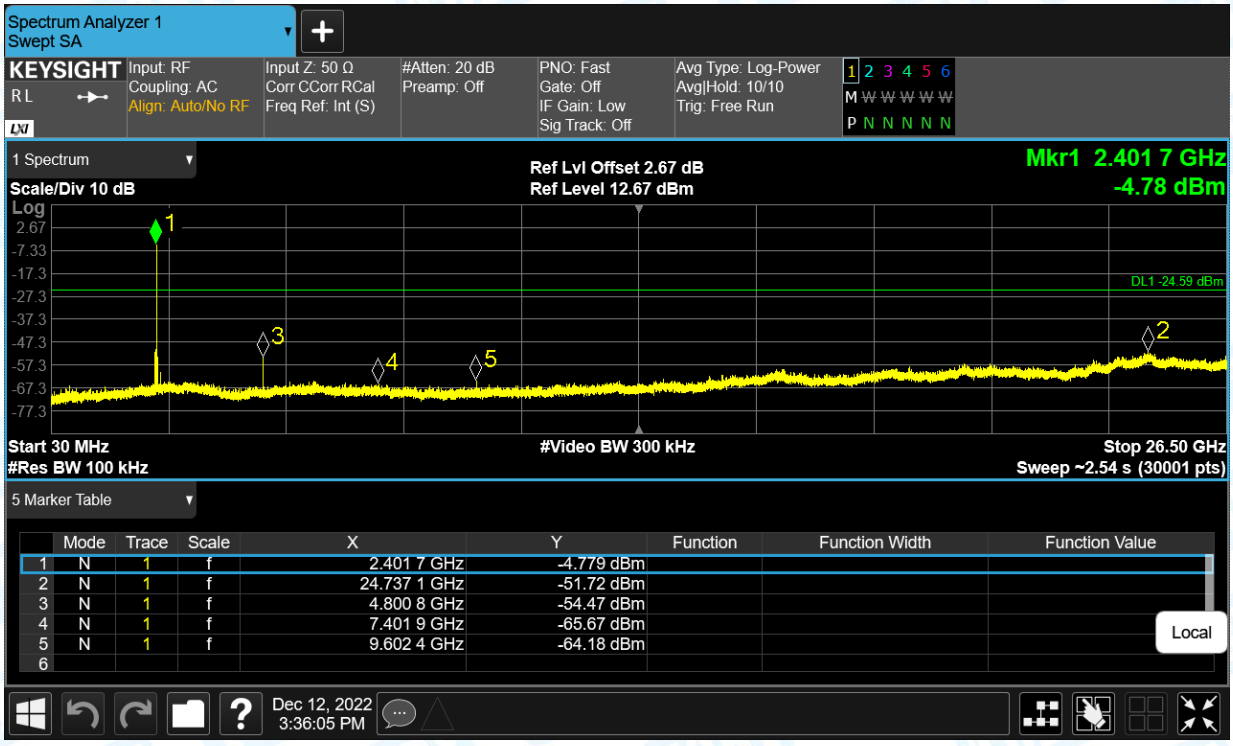

Tx. Spurious NVNT 2-DH1 2480MHz Ant1 Emission



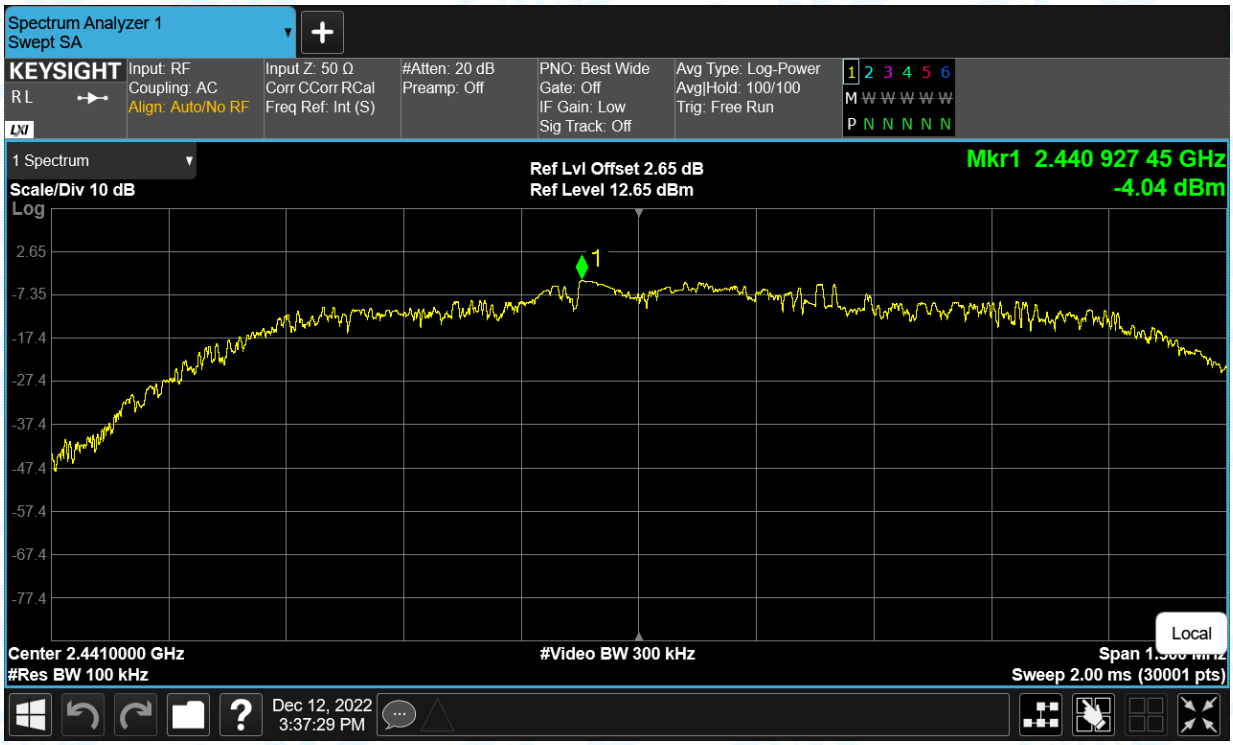
Tx. Spurious NVNT 3-DH1 2402MHz Ant1 Ref



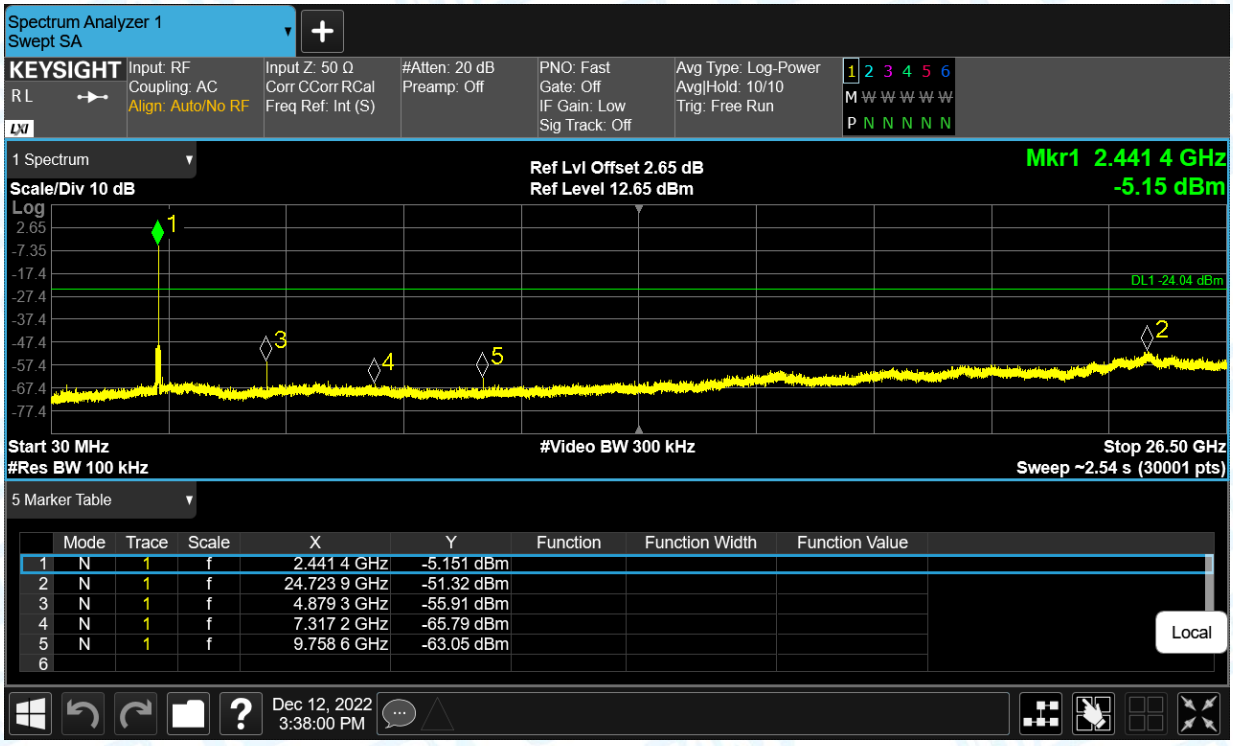

Tx. Spurious NVNT 3-DH1 2402MHz Ant1 Emission



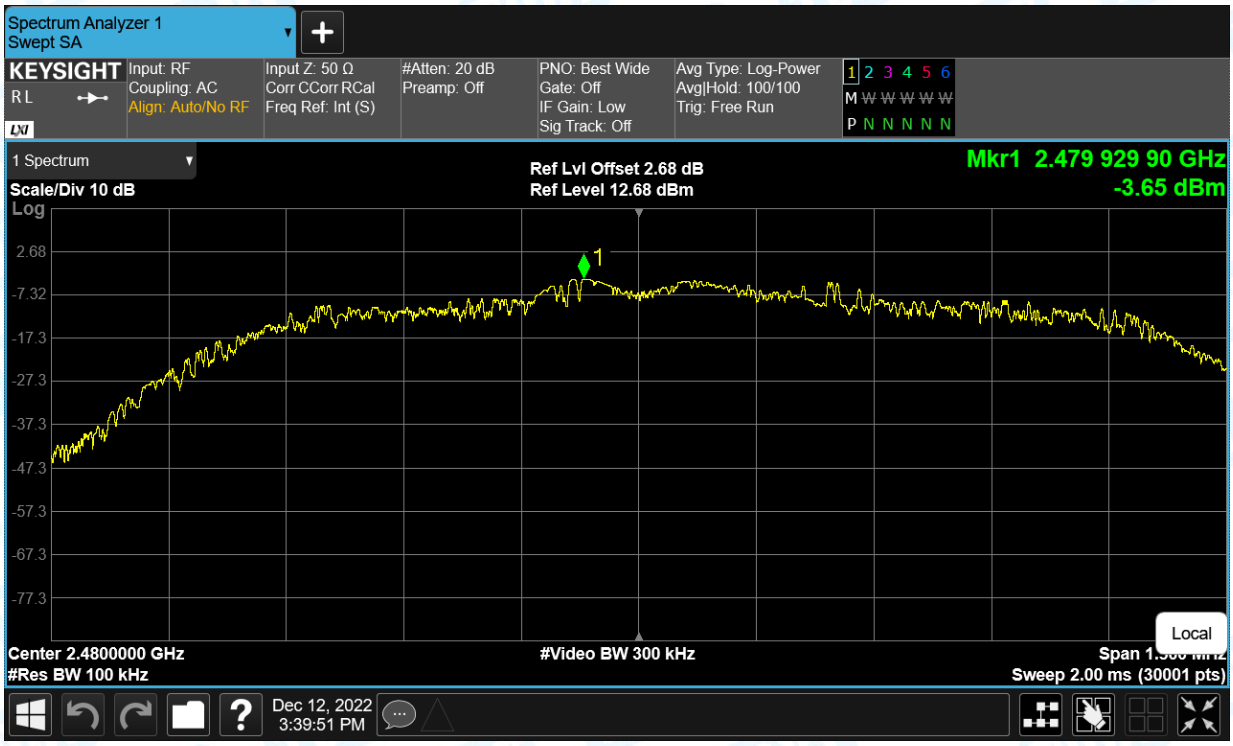
Tx. Spurious NVNT 3-DH1 2441MHz Ant1 Ref



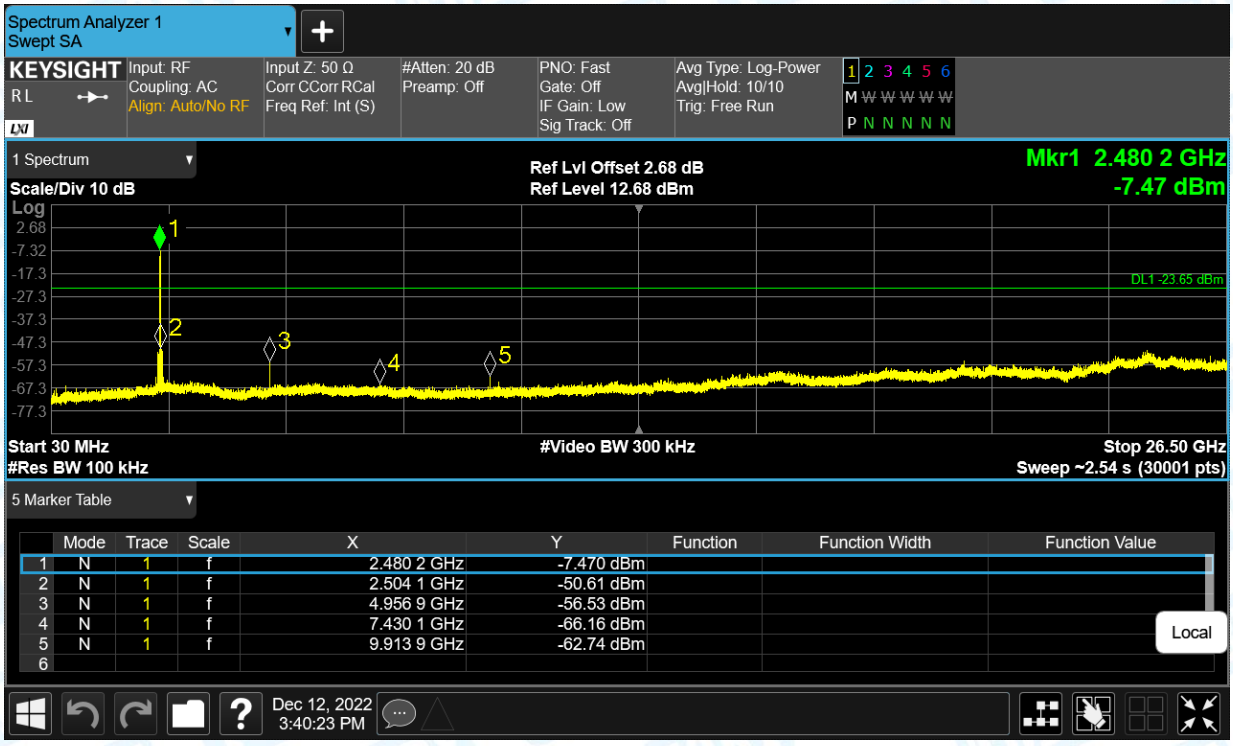

Tx. Spurious NVNT 3-DH1 2441MHz Ant1 Emission



Tx. Spurious NVNT 3-DH1 2480MHz Ant1 Ref




Tx. Spurious NVNT 3-DH1 2480MHz Ant1 Emission



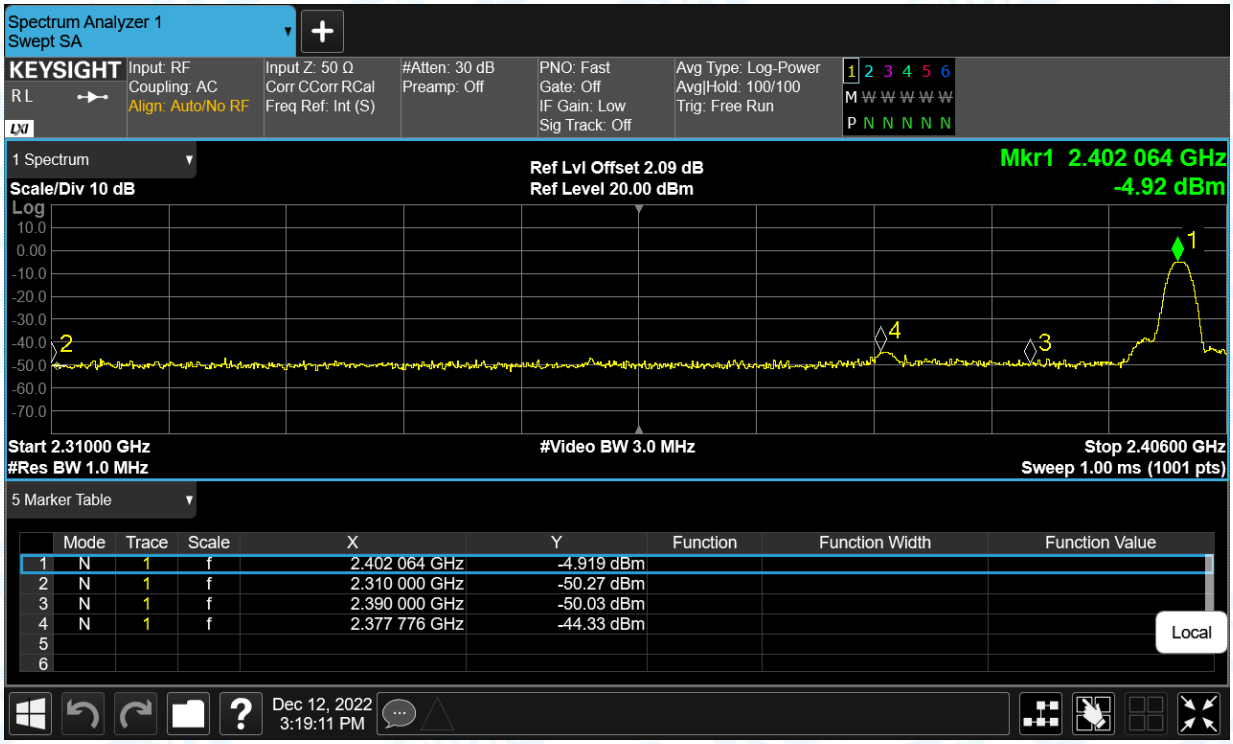

| | Mode | Trace | Scale | X | Y | Function | Function Width | Function Value |
|---|---|---|---|---|---|---|---|---|
| 1 | N | 1 | f | 2.480 2 GHz | -7.470 dBm | | | |
| 2 | N | 1 | f | 2.504 1 GHz | -50.61 dBm | | | |
| 3 | N | 1 | f | 4.956 9 GHz | -56.53 dBm | | | |
| 4 | N | 1 | f | 7.430 1 GHz | -66.16 dBm | | | |
| 5 | N | 1 | f | 9.913 9 GHz | -62.74 dBm | | | |
| 6 | | | | | | | | |

# 8. Restrict Band

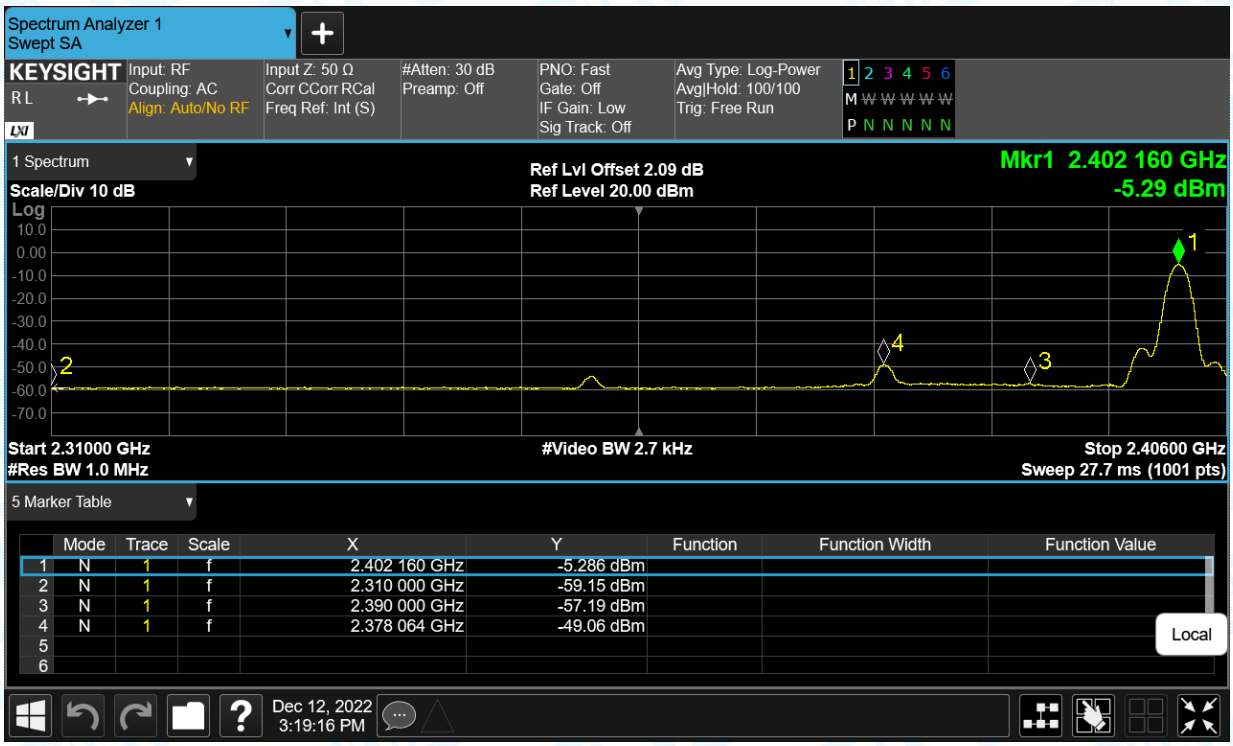
| Condition | Mode | Frequency (MHz) | Antenna | Hopping Mode | Spur Freq (MHz) | Power (dBm) | Gain (dBi) | E (dBuV/m) | Detector | Limit (dBuV/m) | Verdict |
|---|---|---|---|---|---|---|---|---|---|---|---|
| NVNT | 1-DH1 | 2402 | Ant1 | No-Hopping | 2310 | -50.27 | 2 | 46.99 | Peak | 74 | Pass |
| NVNT | 1-DH1 | 2402 | Ant1 | No-Hopping | 2310 | -59.15 | 2 | 38.11 | Average | 54 | Pass |
| NVNT | 1-DH1 | 2402 | Ant1 | No-Hopping | 2377.776 | -44.33 | 2 | 52.93 | Peak | 74 | Pass |
| NVNT | 1-DH1 | 2402 | Ant1 | No-Hopping | 2378.064 | -49.06 | 2 | 48.2 | Average | 54 | Pass |
| NVNT | 1-DH1 | 2402 | Ant1 | No-Hopping | 2390 | -49.13 | 2 | 48.13 | Peak | 74 | Pass |
| NVNT | 1-DH1 | 2402 | Ant1 | No-Hopping | 2390 | -57.61 | 2 | 39.65 | Average | 54 | Pass |
| NVNT | 1-DH1 | 2480 | Ant1 | No-Hopping | 2483.5 | -41.99 | 2 | 55.27 | Peak | 74 | Pass |
| NVNT | 1-DH1 | 2480 | Ant1 | No-Hopping | 2483.5 | -47.72 | 2 | 49.54 | Average | 54 | Pass |
| NVNT | 1-DH1 | 2480 | Ant1 | No-Hopping | 2483.8 | -41.78 | 2 | 55.48 | Peak | 74 | Pass |
| NVNT | 1-DH1 | 2480 | Ant1 | No-Hopping | 2483.512 | -47.72 | 2 | 49.54 | Average | 54 | Pass |
| NVNT | 1-DH1 | 2480 | Ant1 | No-Hopping | 2500 | -46.79 | 2 | 50.47 | Peak | 74 | Pass |
| NVNT | 1-DH1 | 2480 | Ant1 | No-Hopping | 2500 | -57.14 | 2 | 40.12 | Average | 54 | Pass |
| NVNT | 2-DH1 | 2402 | Ant1 | No-Hopping | 2310 | -51.18 | 2 | 46.08 | Peak | 74 | Pass |
| NVNT | 2-DH1 | 2402 | Ant1 | No-Hopping | 2310 | -59.02 | 2 | 38.24 | Average | 54 | Pass |
| NVNT | 2-DH1 | 2402 | Ant1 | No-Hopping | 2378.256 | -44.14 | 2 | 53.12 | Peak | 74 | Pass |
| NVNT | 2-DH1 | 2402 | Ant1 | No-Hopping | 2377.968 | -50.5 | 2 | 46.76 | Average | 54 | Pass |
| NVNT | 2-DH1 | 2402 | Ant1 | No-Hopping | 2390 | -48.94 | 2 | 48.32 | Peak | 74 | Pass |
| NVNT | 2-DH1 | 2402 | Ant1 | No-Hopping | 2390 | -57.72 | 2 | 39.54 | Average | 54 | Pass |
| NVNT | 2-DH1 | 2480 | Ant1 | No-Hopping | 2483.5 | -42.06 | 2 | 55.2 | Peak | 74 | Pass |
| NVNT | 2-DH1 | 2480 | Ant1 | No-Hopping | 2483.5 | -50.24 | 2 | 47.02 | Average | 54 | Pass |
| NVNT | 2-DH1 | 2480 | Ant1 | No-Hopping | 2483.512 | -42.06 | 2 | 55.2 | Peak | 74 | Pass |
| NVNT | 2-DH1 | 2480 | Ant1 | No-Hopping | 2483.512 | -50.24 | 2 | 47.02 | Average | 54 | Pass |
| NVNT | 2-DH1 | 2480 | Ant1 | No-Hopping | 2500 | -49.01 | 2 | 48.25 | Peak | 74 | Pass |
| NVNT | 2-DH1 | 2480 | Ant1 | No-Hopping | 2500 | -56.92 | 2 | 40.34 | Average | 54 | Pass |
| NVNT | 3-DH1 | 2402 | Ant1 | No-Hopping | 2310 | -50.82 | 2 | 46.44 | Peak | 74 | Pass |
| NVNT | 3-DH1 | 2402 | Ant1 | No-Hopping | 2310 | -59.18 | 2 | 38.08 | Average | 54 | Pass |
| NVNT | 3-DH1 | 2402 | Ant1 | No-Hopping | 2378.064 | -43.26 | 2 | 54 | Peak | 74 | Pass |
| NVNT | 3-DH1 | 2402 | Ant1 | No-Hopping | 2377.968 | -50.35 | 2 | 46.91 | Average | 54 | Pass |
| NVNT | 3-DH1 | 2402 | Ant1 | No-Hopping | 2390 | -49.11 | 2 | 48.15 | Peak | 74 | Pass |
| NVNT | 3-DH1 | 2402 | Ant1 | No-Hopping | 2390 | -57.67 | 2 | 39.59 | Average | 54 | Pass |
| NVNT | 3-DH1 | 2480 | Ant1 | No-Hopping | 2483.5 | -43.43 | 2 | 53.83 | Peak | 74 | Pass |
| NVNT | 3-DH1 | 2480 | Ant1 | No-Hopping | 2483.5 | -50.55 | 2 | 46.71 | Average | 54 | Pass |
| NVNT | 3-DH1 | 2480 | Ant1 | No-Hopping | 2483.776 | -41.85 | 2 | 55.41 | Peak | 74 | Pass |
| NVNT | 3-DH1 | 2480 | Ant1 | No-Hopping | 2483.512 | -50.55 | 2 | 46.71 | Average | 54 | Pass |
| NVNT | 3-DH1 | 2480 | Ant1 | No-Hopping | 2500 | -47.27 | 2 | 49.99 | Peak | 74 | Pass |
| NVNT | 3-DH1 | 2480 | Ant1 | No-Hopping | 2500 | -56.85 | 2 | 40.41 | Average | 54 | Pass |

Test Graphs

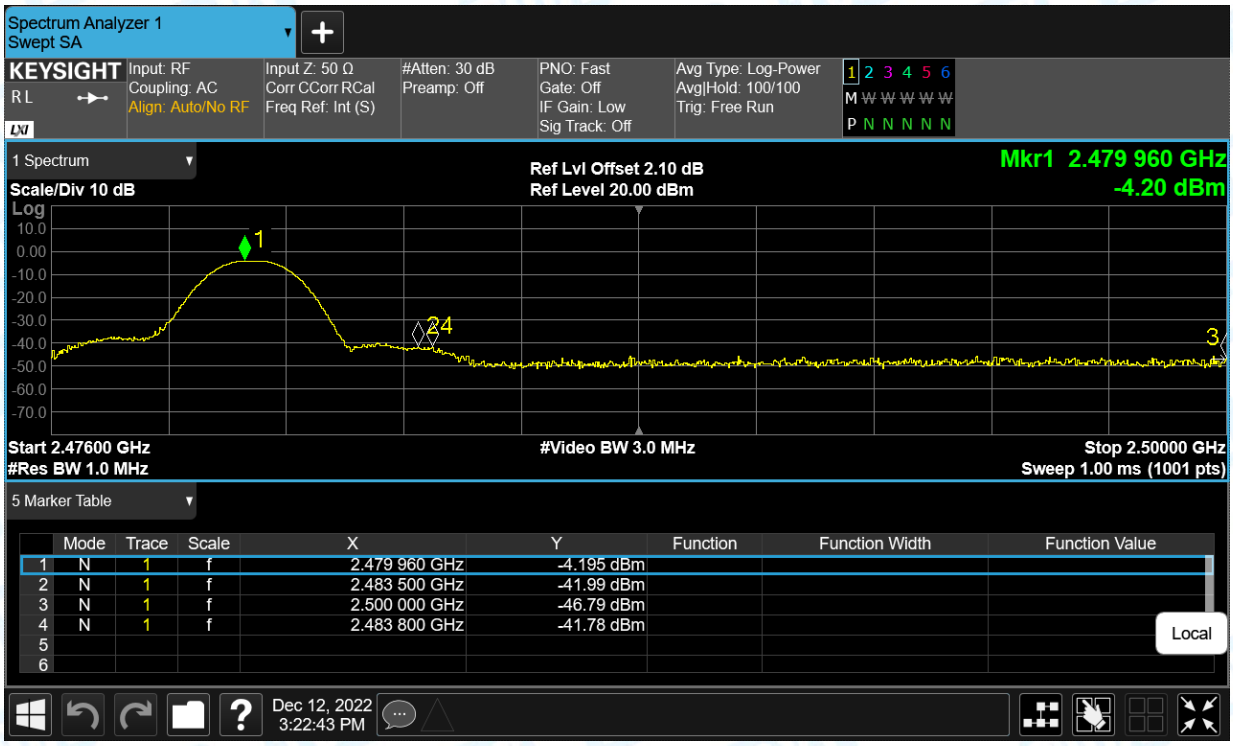
Restrict Band NVNT 1-DH1 2402MHz Ant1 No-Hopping Peak



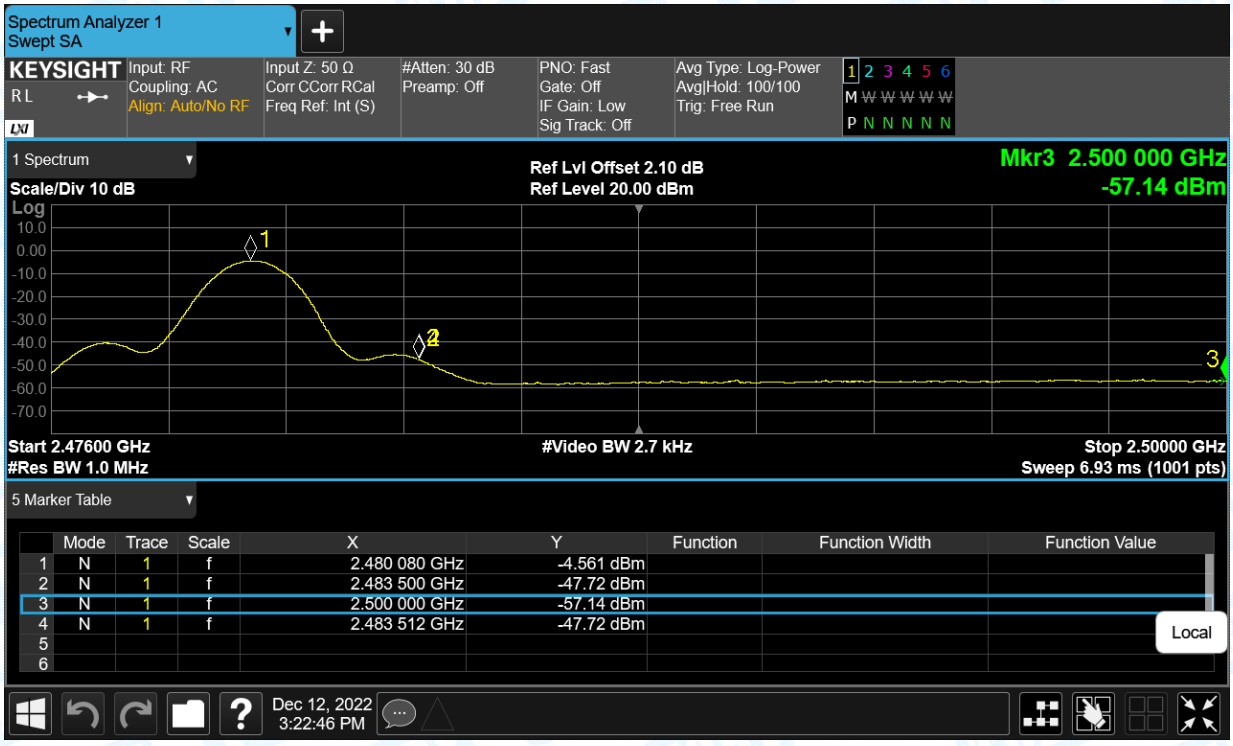

Restrict Band NVNT 1-DH1 2402MHz Ant1 No-Hopping Average



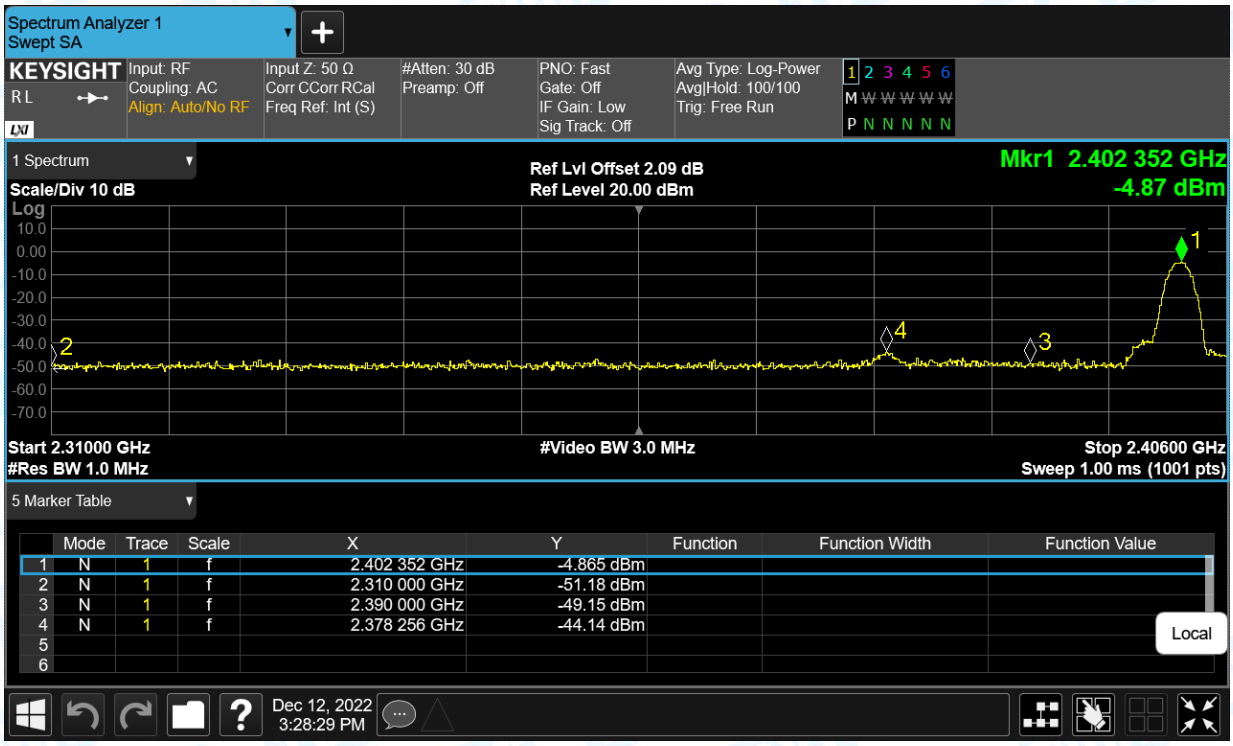
Restrict Band NVNT 1-DH1 2480MHz Ant1 No-Hopping Peak



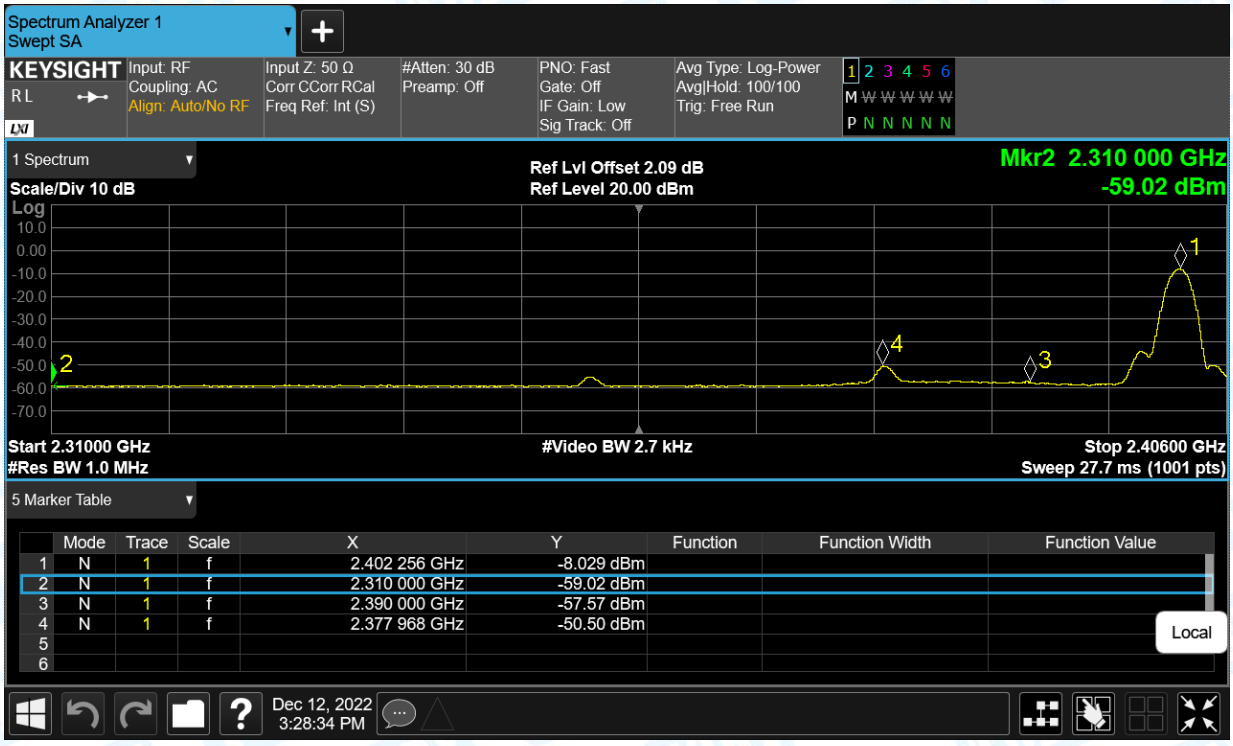

Restrict Band NVNT 1-DH1 2480MHz Ant1 No-Hopping Average



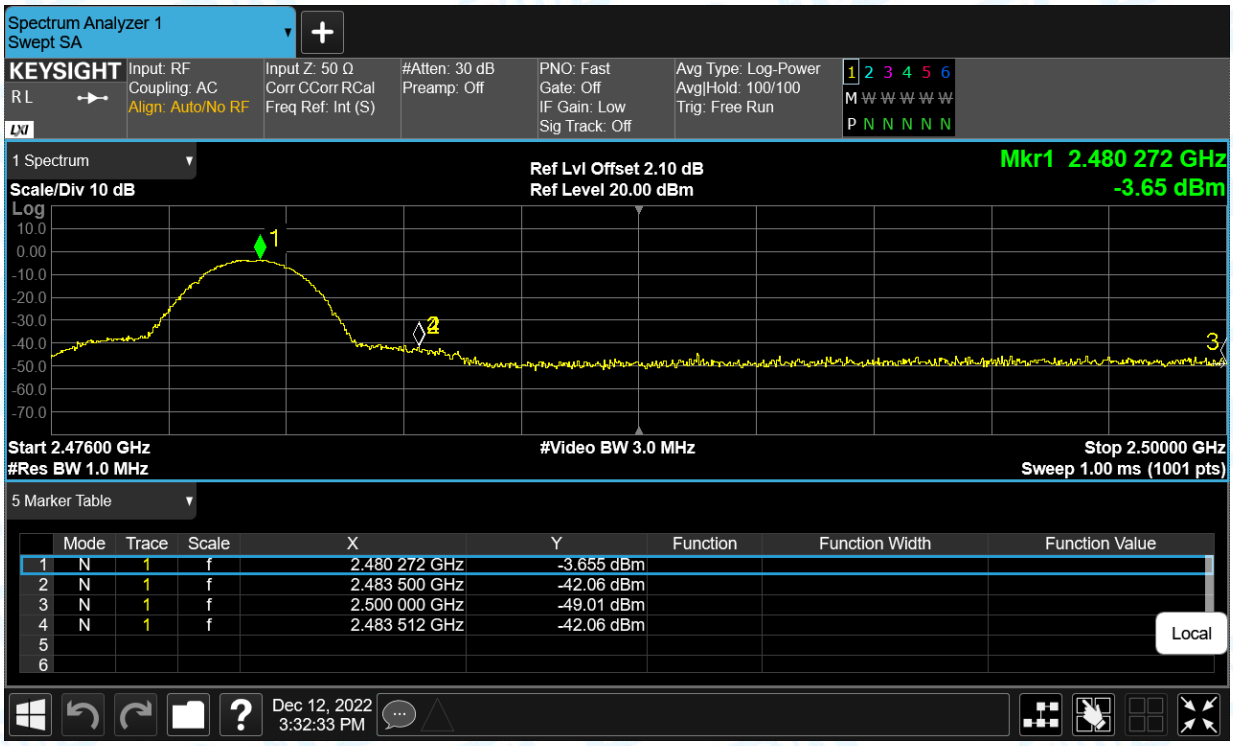
Restrict Band NVNT 2-DH1 2402MHz Ant1 No-Hopping Peak



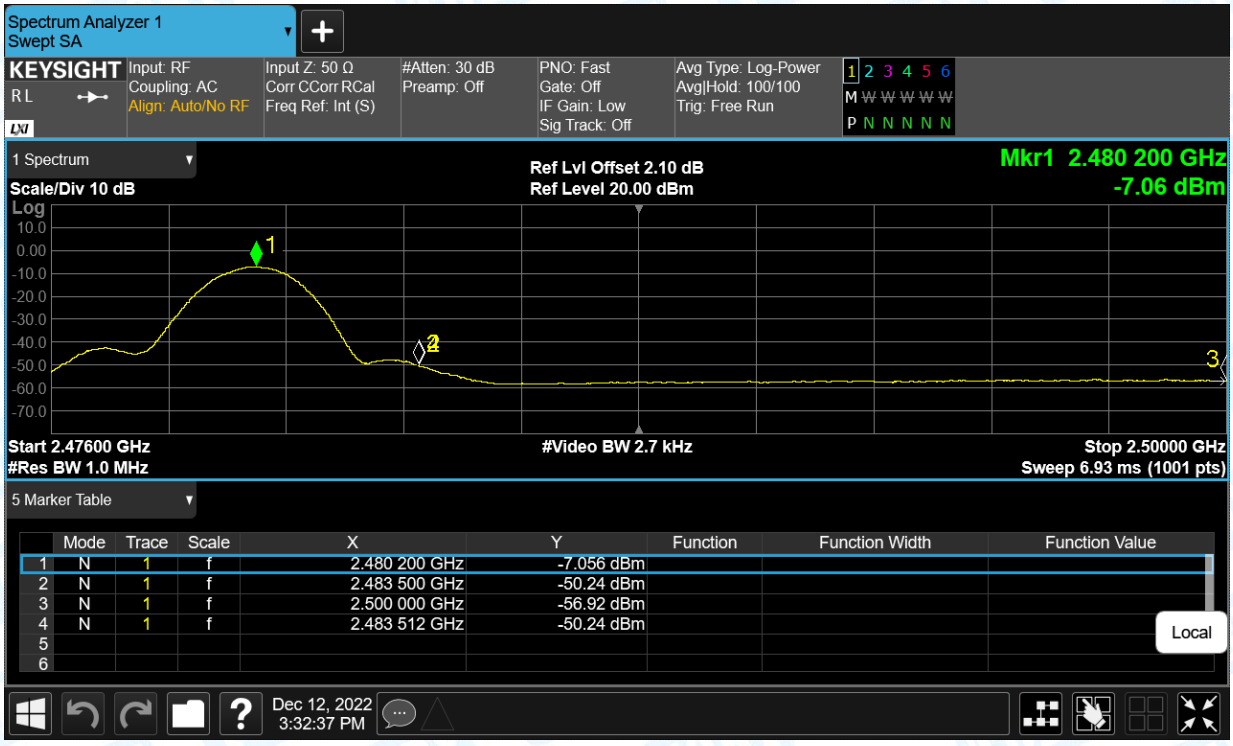

Restrict Band NVNT 2-DH1 2402MHz Ant1 No-Hopping Average



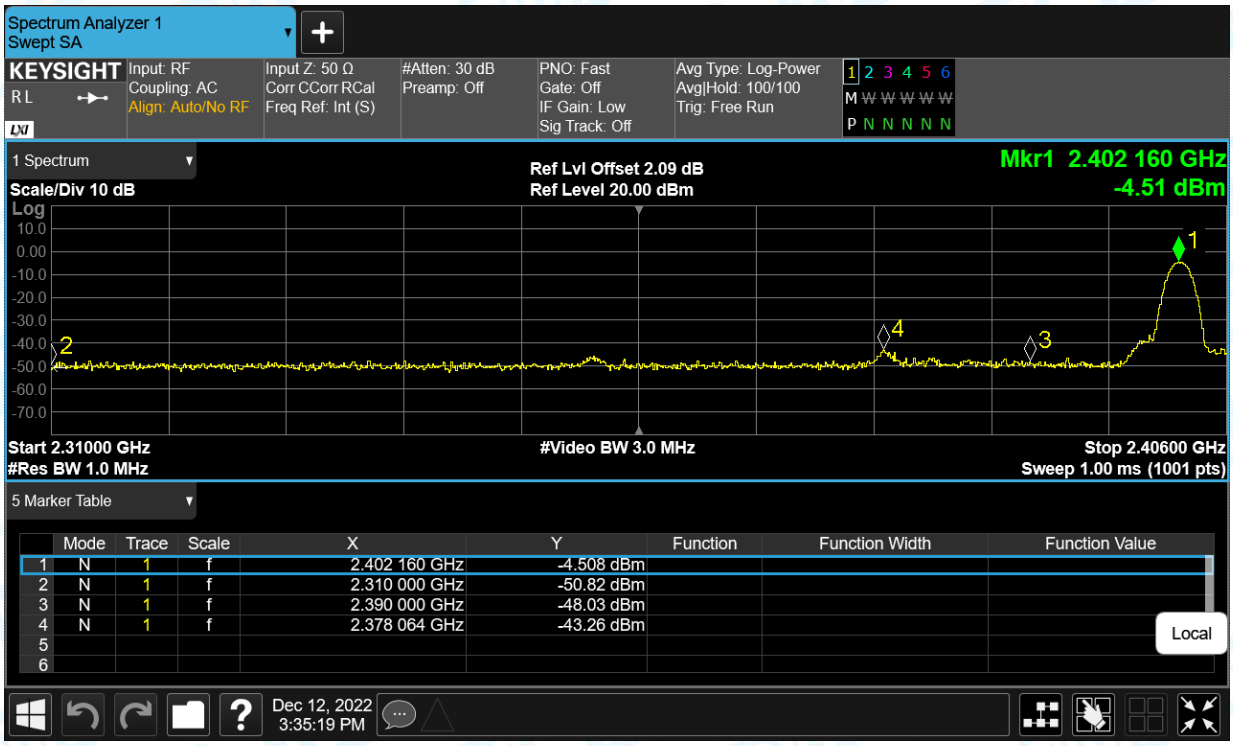
Restrict Band NVNT 2-DH1 2480MHz Ant1 No-Hopping Peak



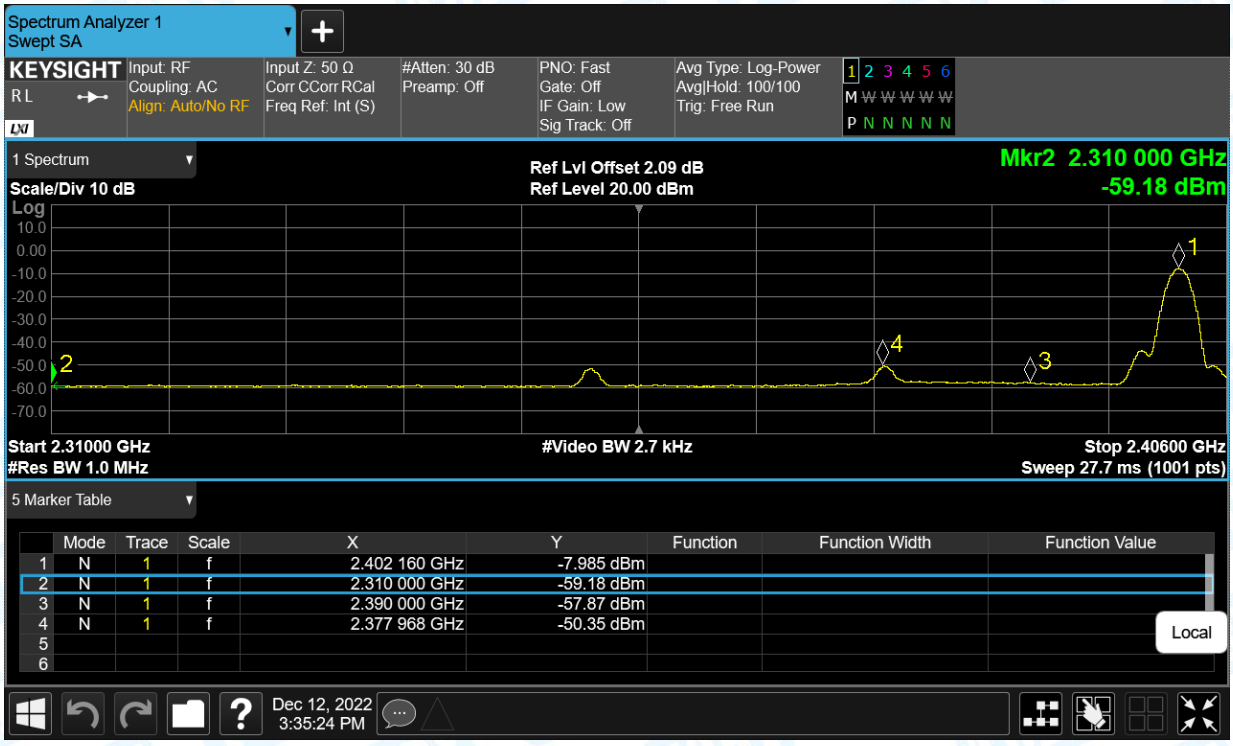

Restrict Band NVNT 2-DH1 2480MHz Ant1 No-Hopping Average



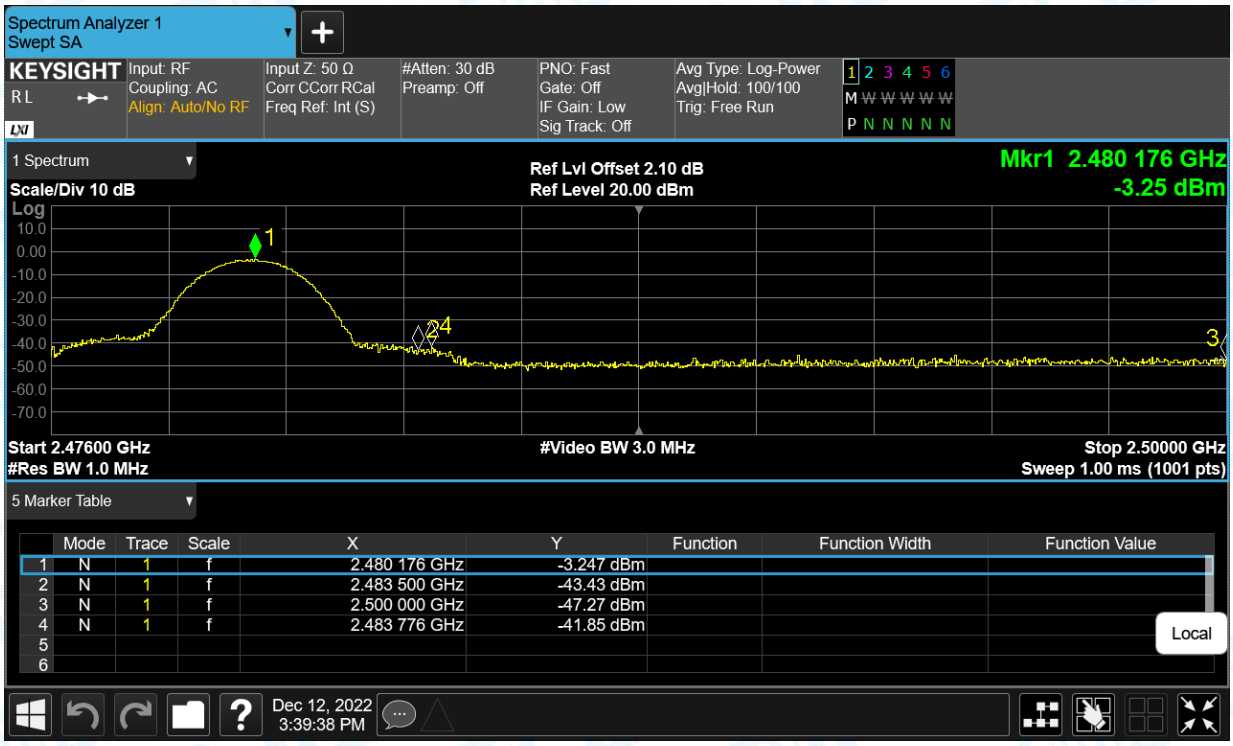
Restrict Band NVNT 3-DH1 2402MHz Ant1 No-Hopping Peak



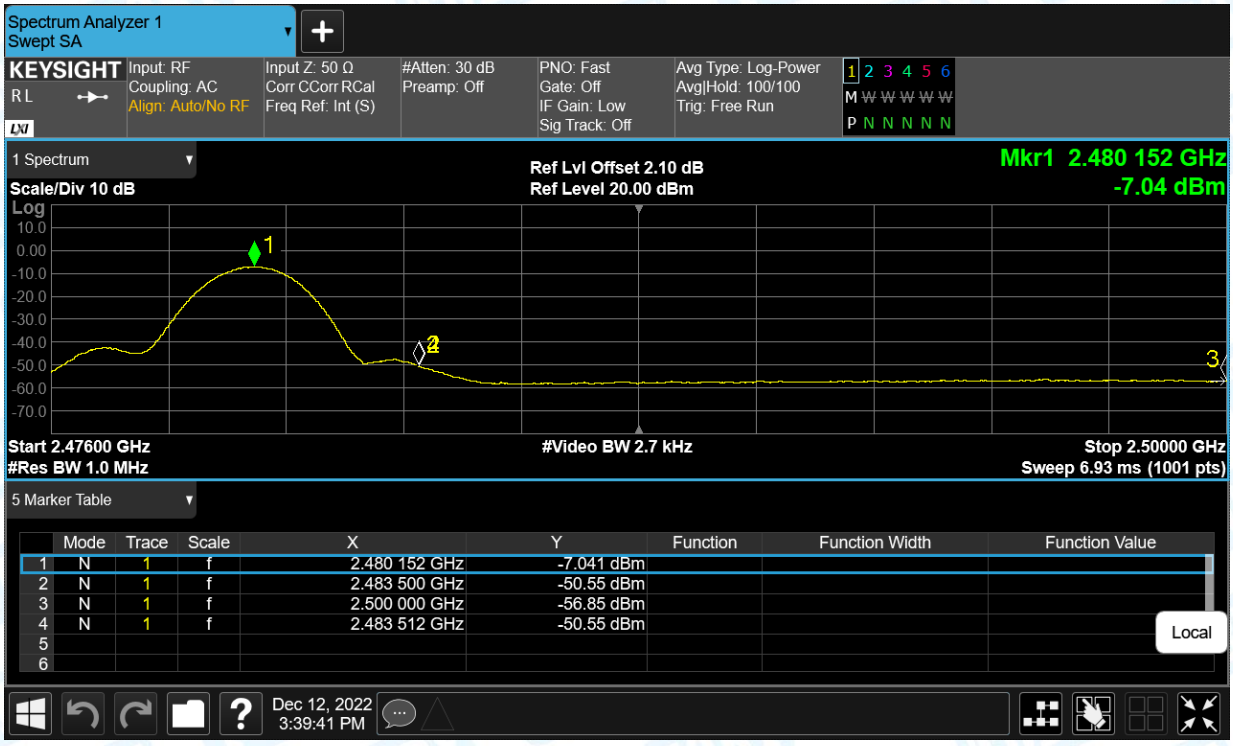

Restrict Band NVNT 3-DH1 2402MHz Ant1 No-Hopping Average



Restrict Band NVNT 3-DH1 2480MHz Ant1 No-Hopping Peak




Restrict Band NVNT 3-DH1 2480MHz Ant1 No-Hopping Average

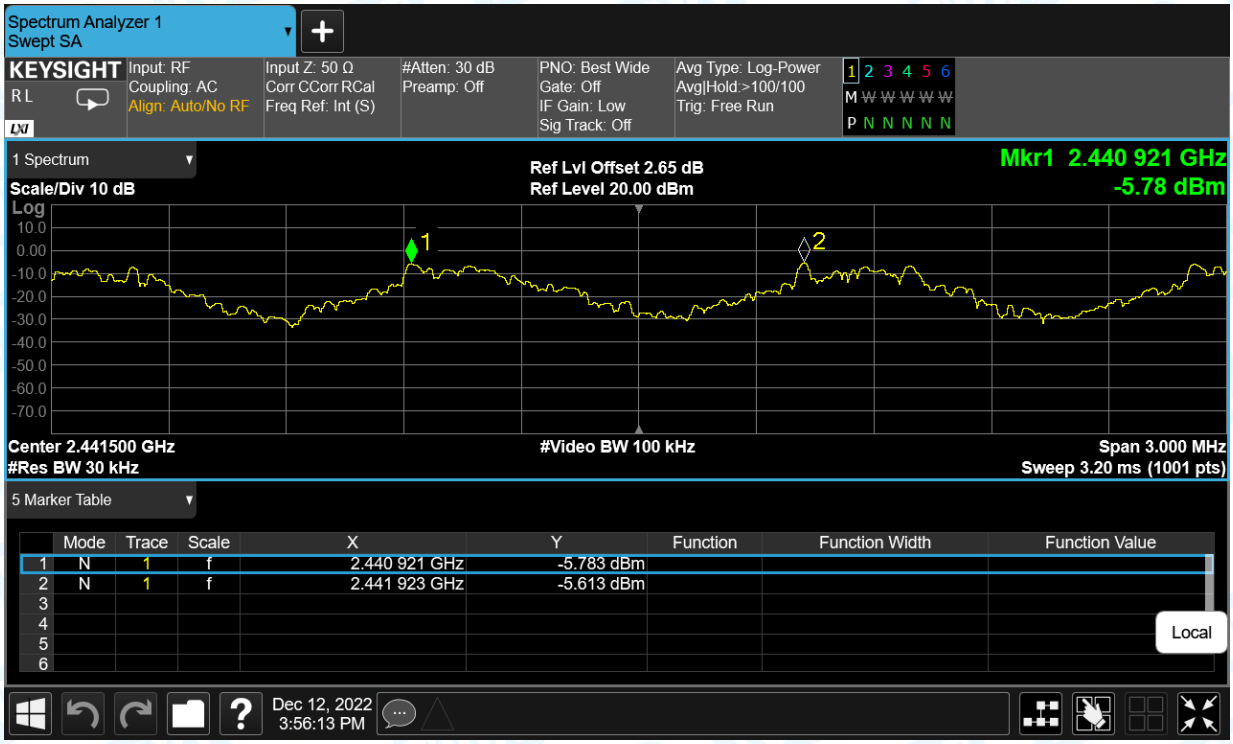


# 9. Carrier Frequencies Separation

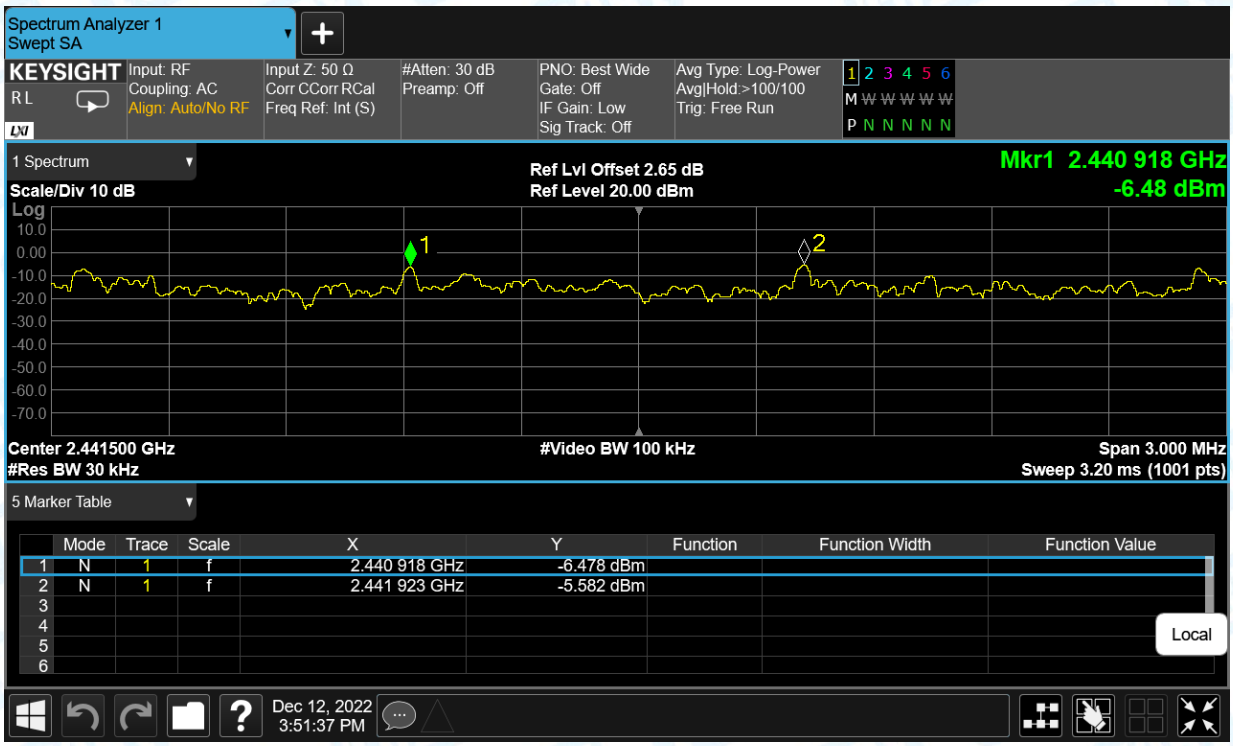
| Condition | Mode | Antenna | Hopping Freq1 (MHz) | Hopping Freq2 (MHz) | HFS (MHz) | Limit (MHz) | Verdict |
|---|---|---|---|---|---|---|---|
| NVNT | 1-DH1 | Ant1 | 2440.921 | 2441.923 | 1.002 | 0.580 | Pass |
| NVNT | 2-DH1 | Ant1 | 2440.918 | 2441.923 | 1.005 | 0.827 | Pass |
| NVNT | 3-DH1 | Ant1 | 2440.924 | 2441.917 | 0.993 | 0.813 | Pass |

Test Graphs

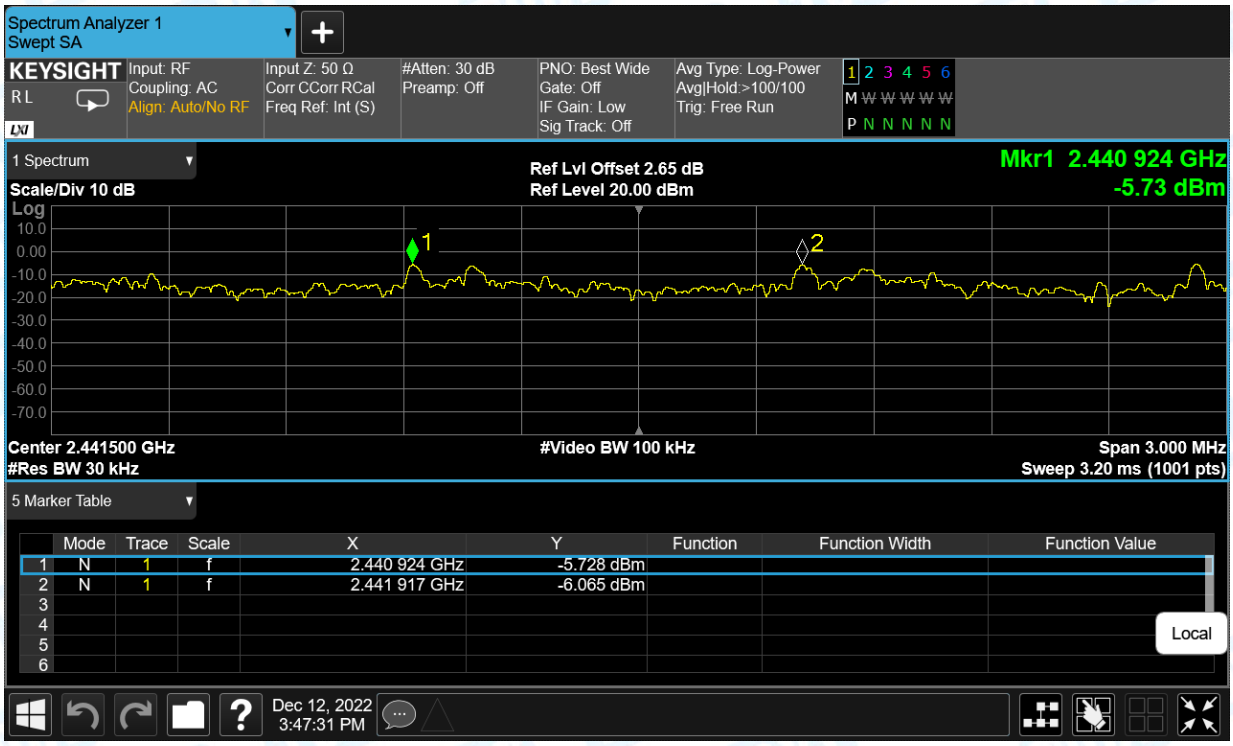
CFS NVNT 1-DH1 2441MHz Ant1




CFS NVNT 2-DH1 2441MHz Ant1



CFS NVNT 3-DH1 2441MHz Ant1

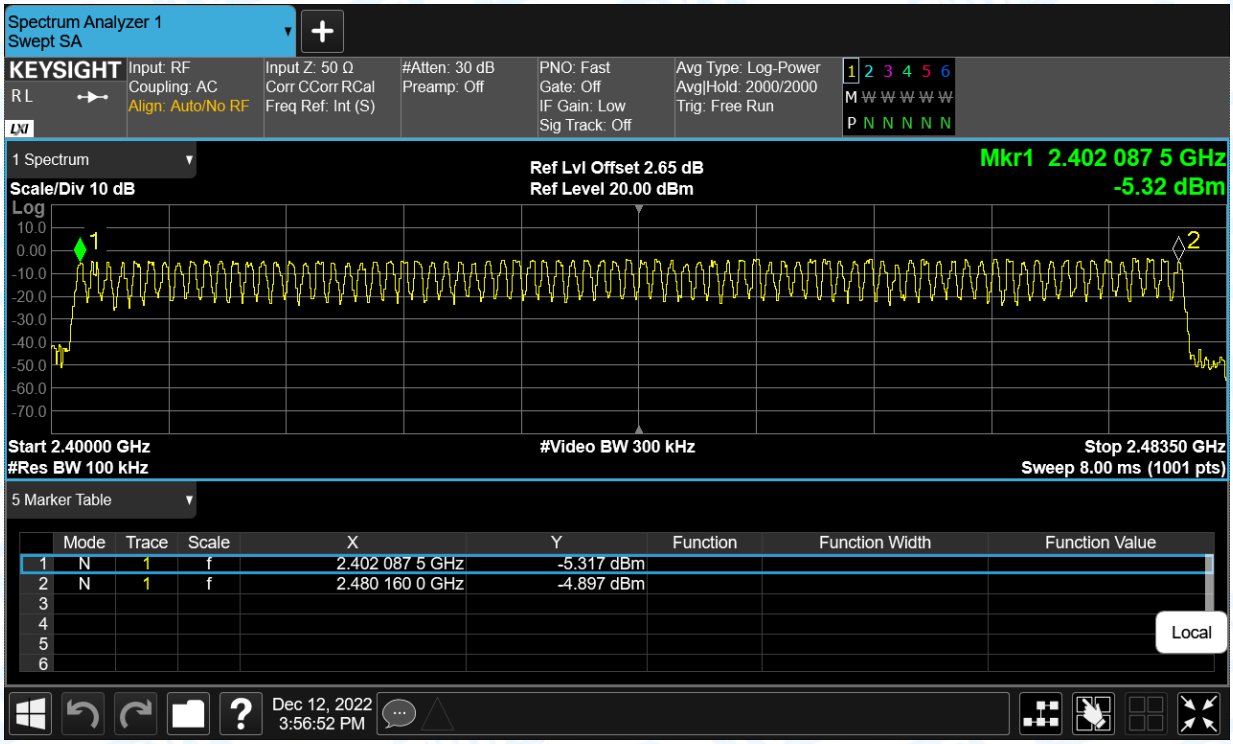


# 10. Number of Hopping Channel

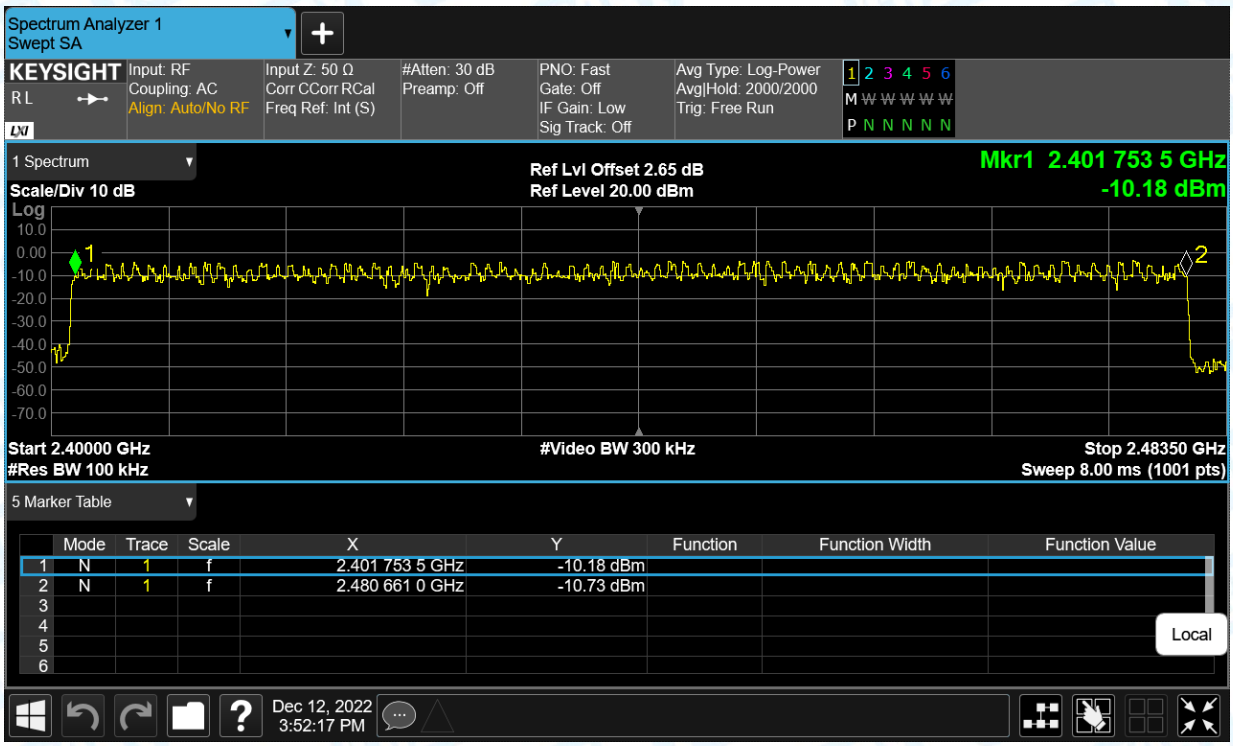
| Condition | Mode | Antenna | Hopping Number | Limit | Verdict |
|---|---|---|---|---|---|
| NVNT | 1-DH1 | Ant1 | 79 | 15 | Pass |
| NVNT | 2-DH1 | Ant1 | 79 | 15 | Pass |
| NVNT | 3-DH1 | Ant1 | 79 | 15 | Pass |

Test Graphs

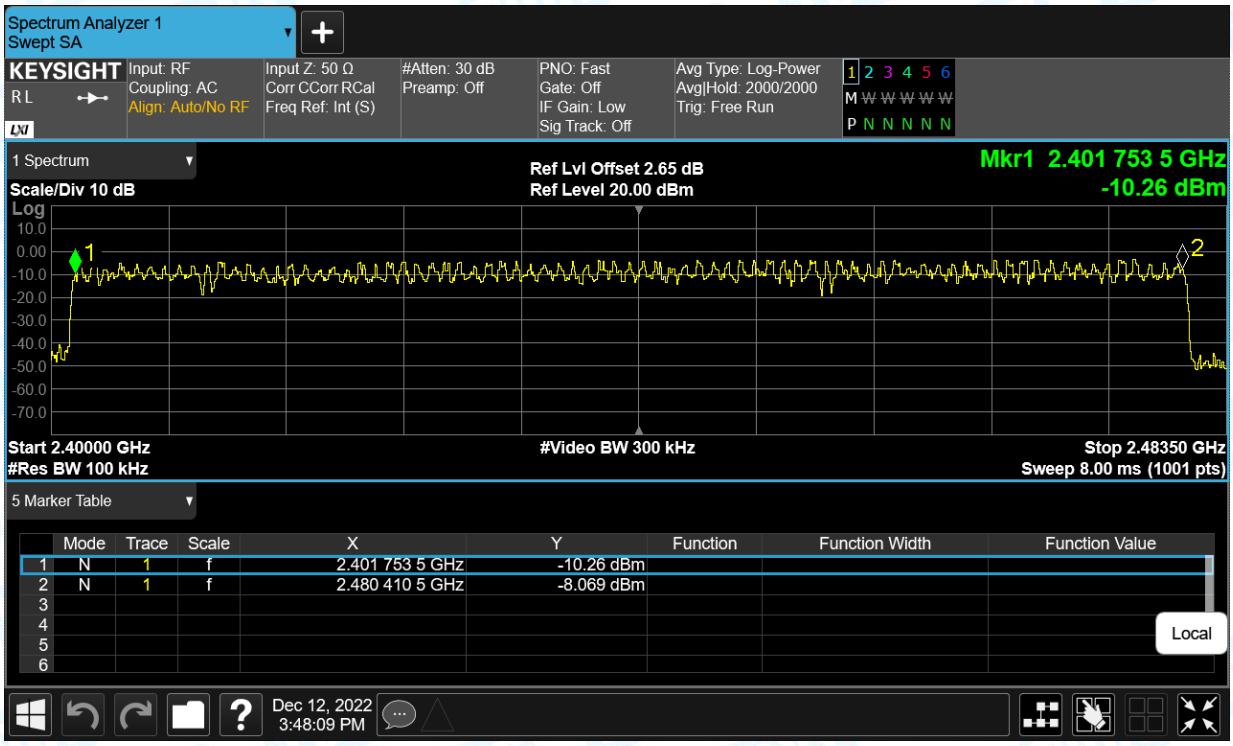
Hopping No. NVNT 1-DH1 2441MHz Ant1




Hopping No. NVNT 2-DH1 2441MHz Ant1



Hopping No. NVNT 3-DH1 2441MHz Ant1

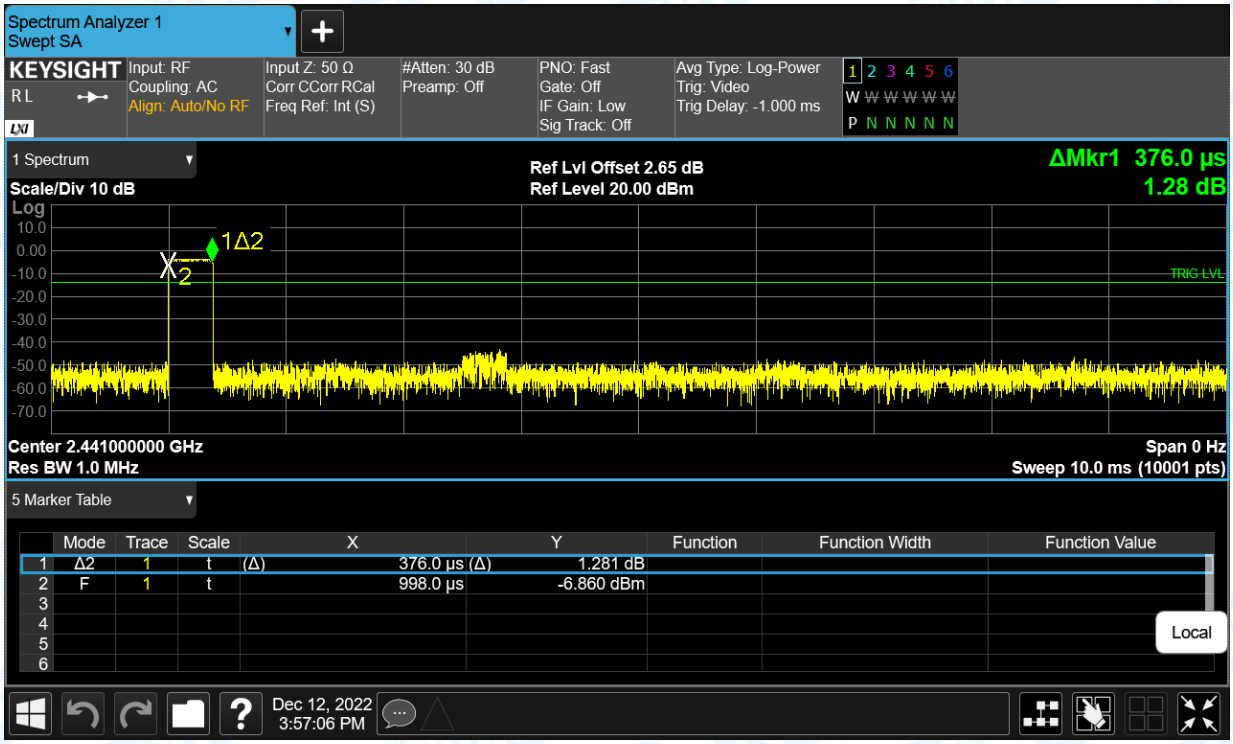


# 11. Dwell Time

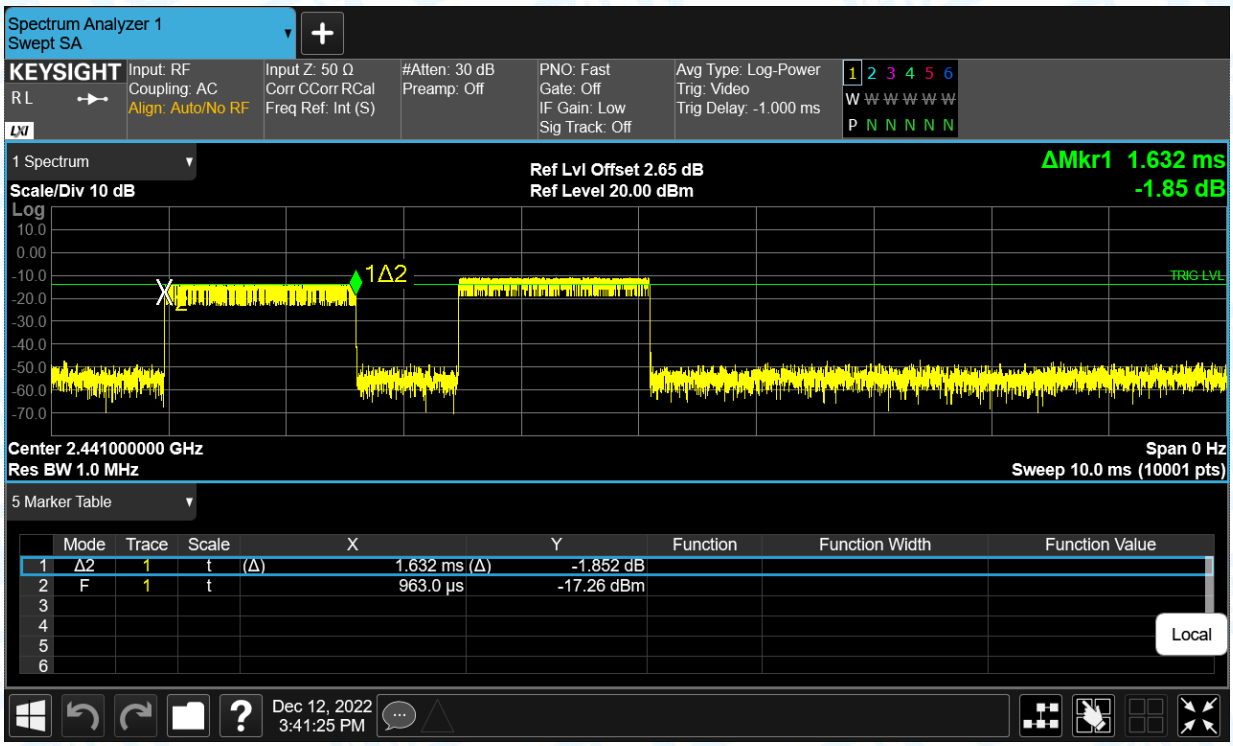
| Condition | Mode | Frequency (MHz) | Antenna | Pulse Time (ms) | Total Dwell Time (ms) | Period Time (ms) | Limit (ms) | Verdict |
|---|---|---|---|---|---|---|---|---|
| NVNT | 1-DH1 | 2441 | Ant1 | 0.376 | 120.32 | 31600 | 400 | Pass |
| NVNT | 1-DH3 | 2441 | Ant1 | 1.632 | 261.12 | 31600 | 400 | Pass |
| NVNT | 1-DH5 | 2441 | Ant1 | 2.88 | 307.2 | 31600 | 400 | Pass |
| NVNT | 2-DH1 | 2441 | Ant1 | 0.379 | 121.28 | 31600 | 400 | Pass |
| NVNT | 2-DH3 | 2441 | Ant1 | 1.63 | 260.8 | 31600 | 400 | Pass |
| NVNT | 2-DH5 | 2441 | Ant1 | 2.879 | 307.093 | 31600 | 400 | Pass |
| NVNT | 3-DH1 | 2441 | Ant1 | 0.386 | 123.52 | 31600 | 400 | Pass |
| NVNT | 3-DH3 | 2441 | Ant1 | 1.636 | 261.76 | 31600 | 400 | Pass |
| NVNT | 3-DH5 | 2441 | Ant1 | 2.888 | 308.053 | 31600 | 400 | Pass |

Test Graphs

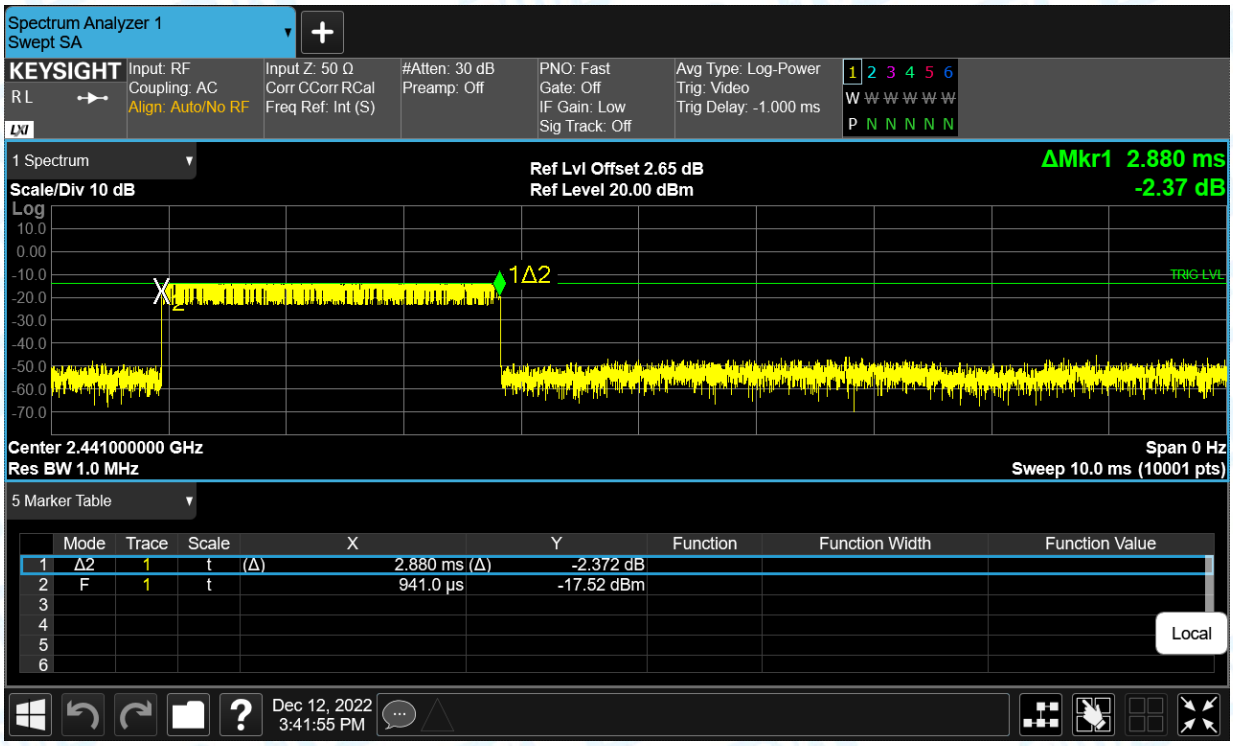
Dwell NVNT 1-DH1 2441MHz Ant1



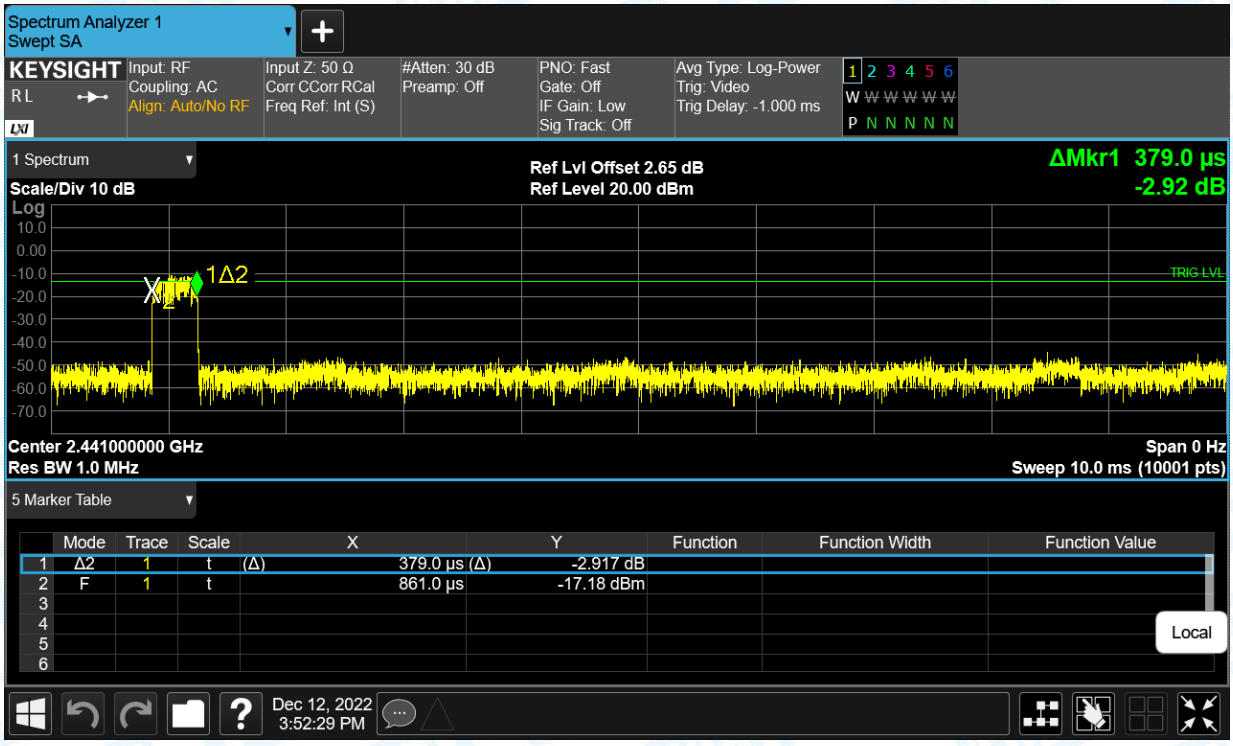

Dwell NVNT 1-DH3 2441MHz Ant1



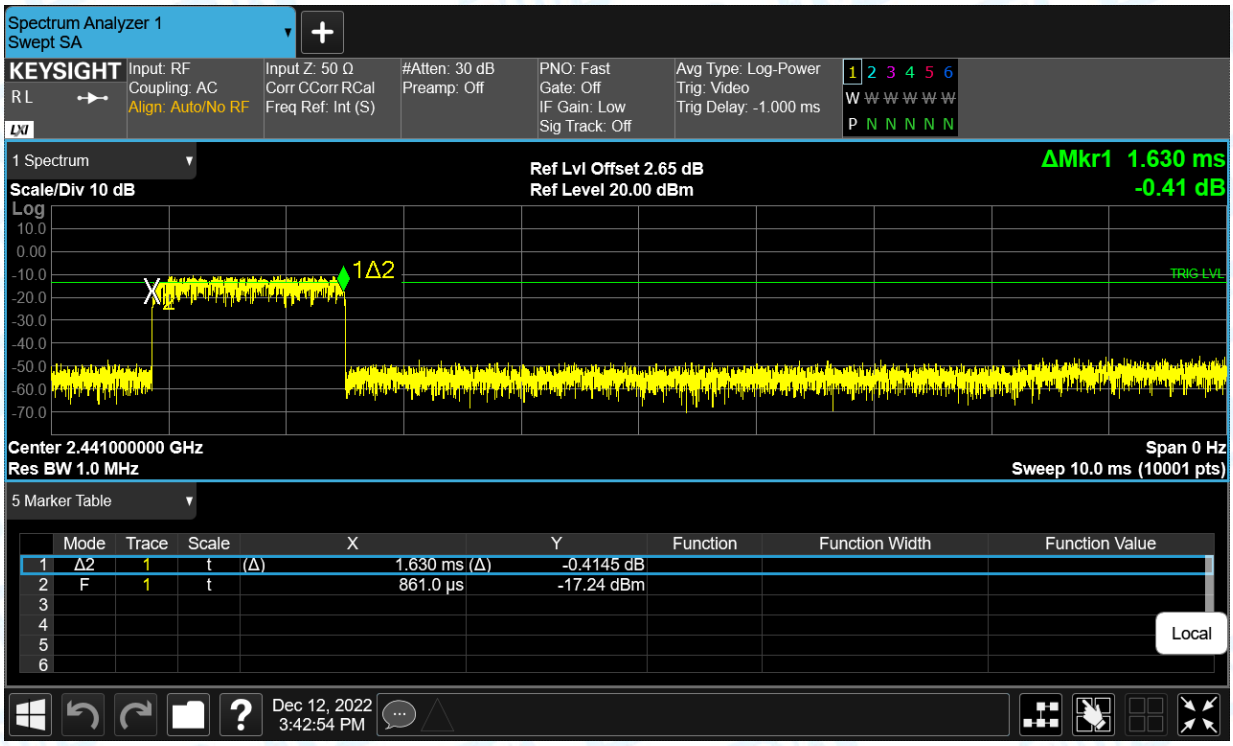
Dwell NVNT 1-DH5 2441MHz Ant1



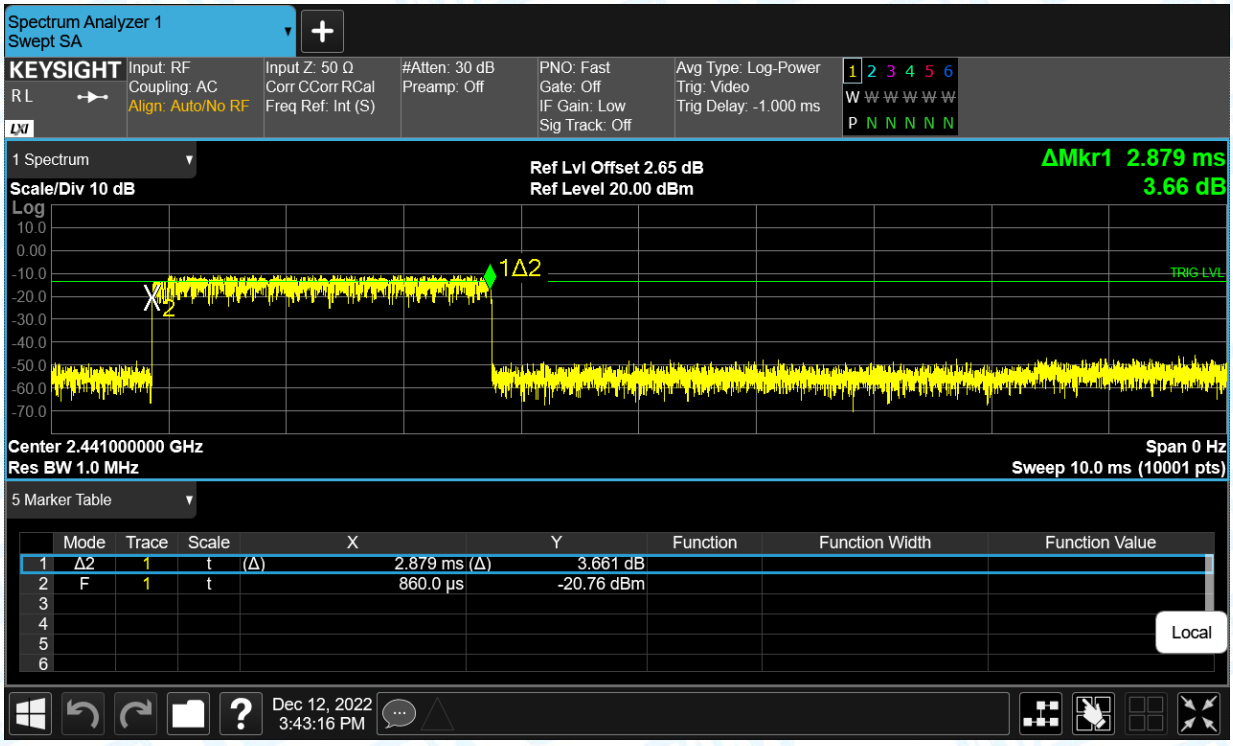

Dwell NVNT 2-DH1 2441MHz Ant1



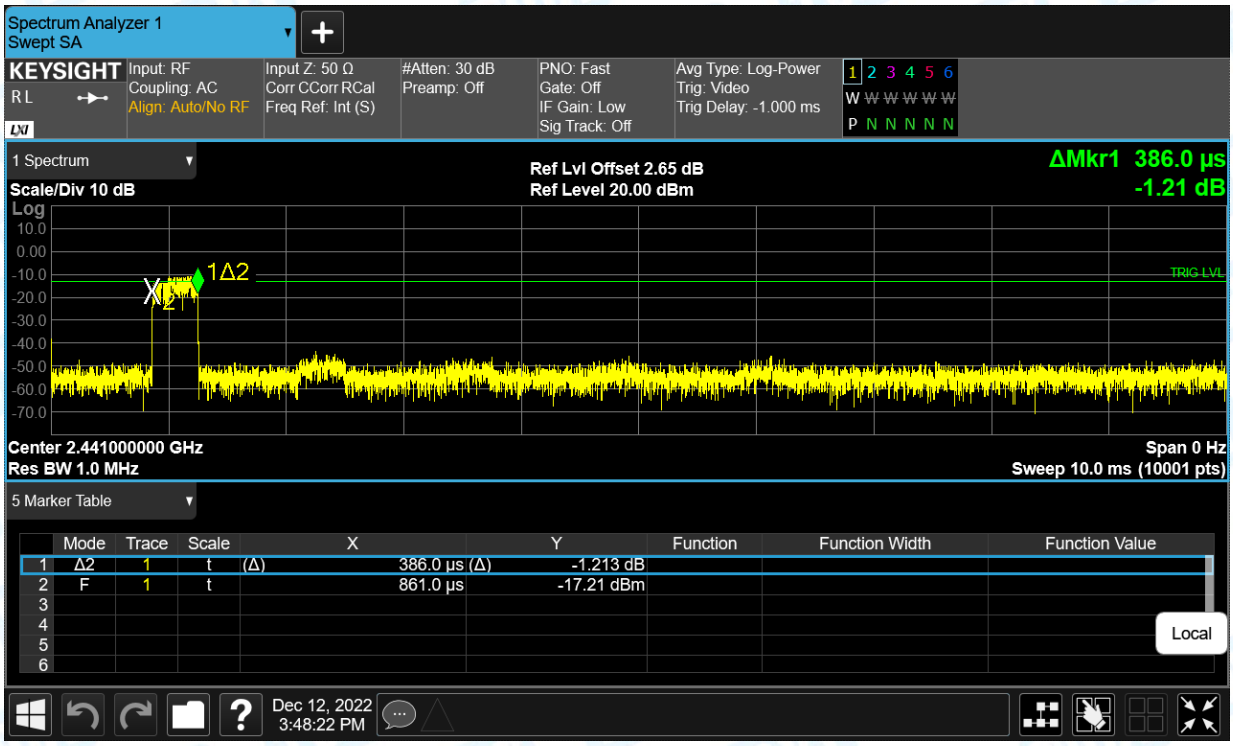
Dwell NVNT 2-DH3 2441MHz Ant1



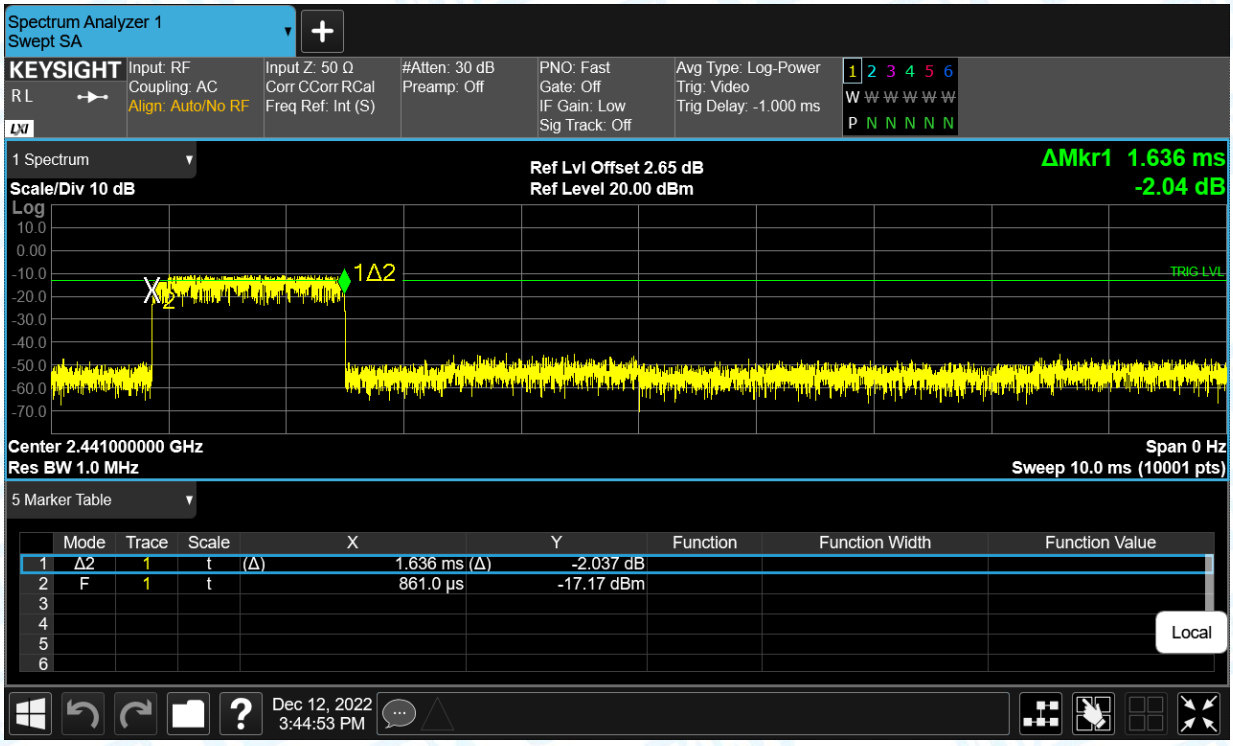

Dwell NVNT 2-DH5 2441MHz Ant1



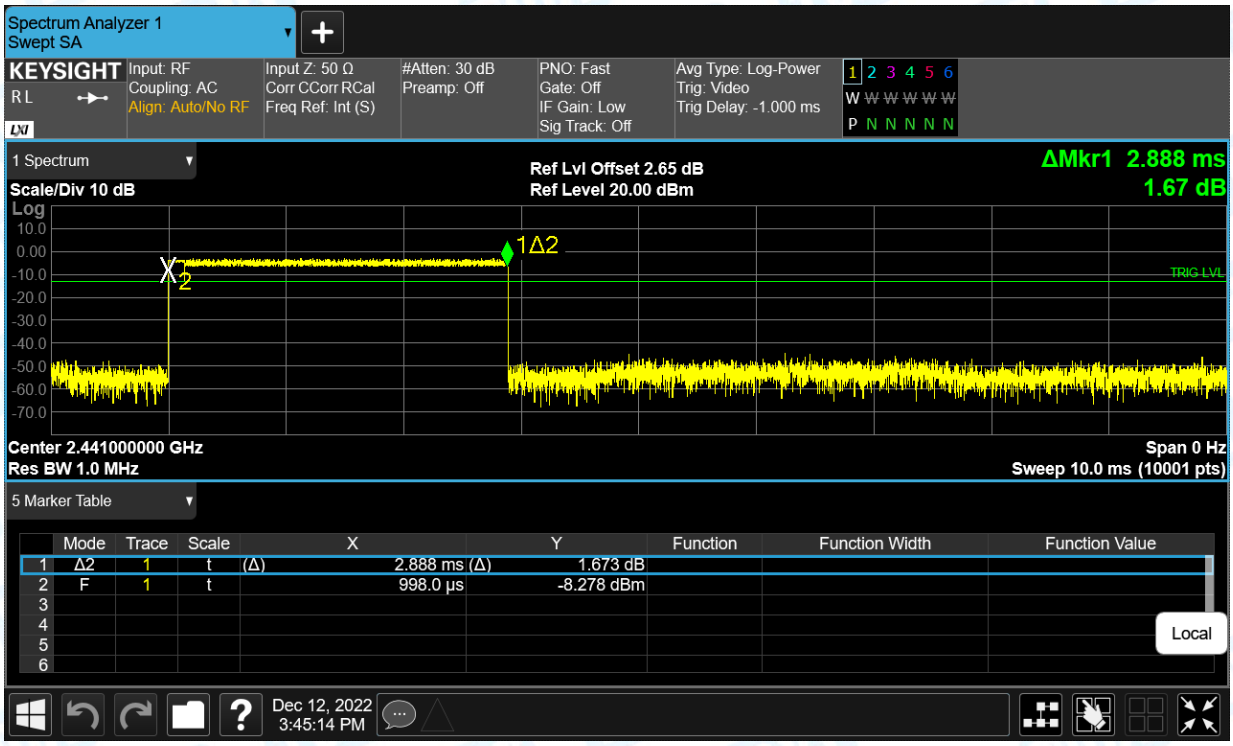
Dwell NVNT 3-DH1 2441MHz Ant1




Dwell NVNT 3-DH3 2441MHz Ant1



Dwell NVNT 3-DH5 2441MHz Ant1




**-----END OF THE REPORT-----**