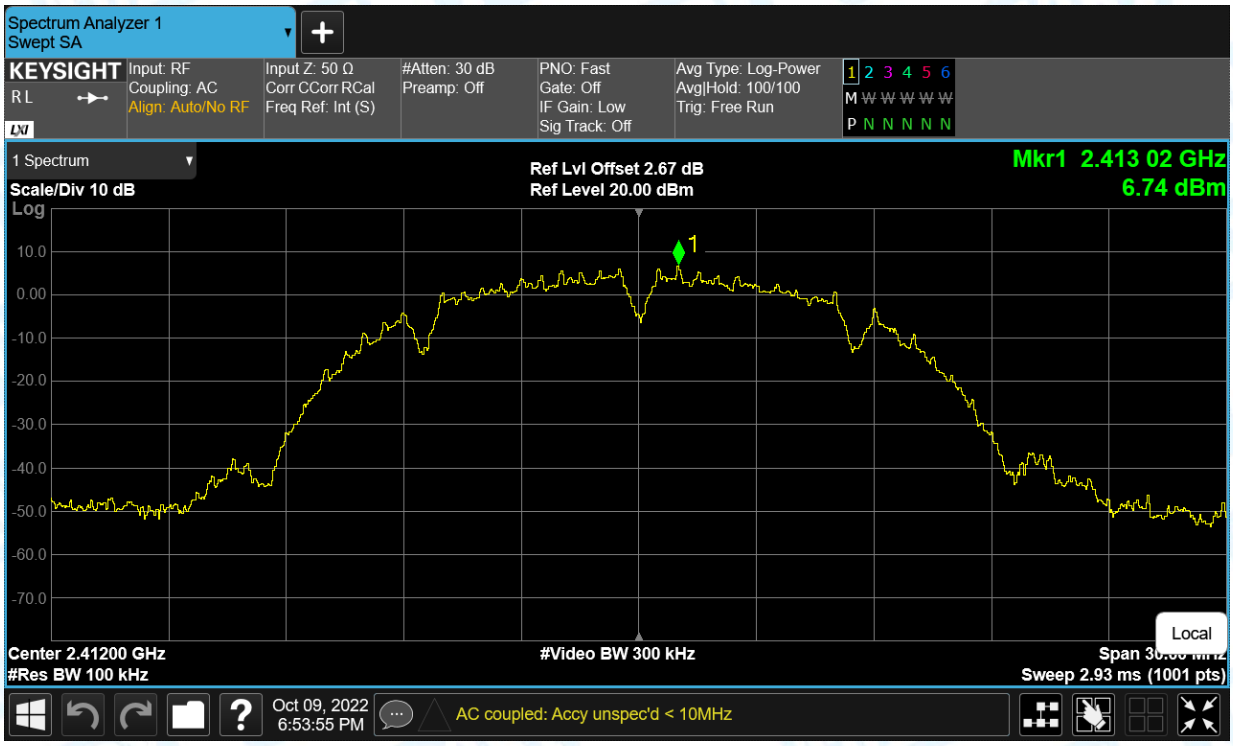
# 6. Band Edge

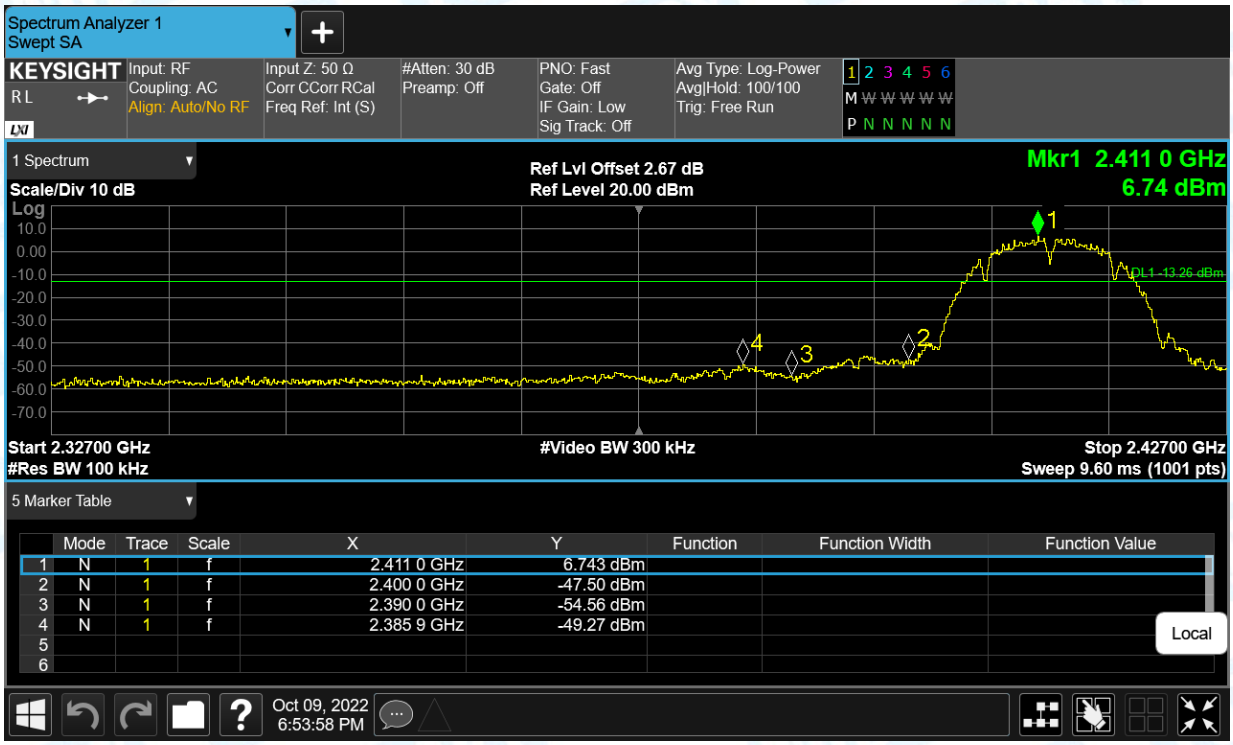
| Condition | Mode | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
|---|---|---|---|---|---|---|
| NVNT | b | 2412 | Ant1 | -56.01 | -20 | Pass |
| NVNT | b | 2462 | Ant1 | -56.1 | -20 | Pass |
| NVNT | g | 2412 | Ant1 | -41.74 | -20 | Pass |
| NVNT | g | 2462 | Ant1 | -41.86 | -20 | Pass |
| NVNT | n(HT20) | 2412 | Ant1 | -41.96 | -20 | Pass |
| NVNT | n(HT20) | 2462 | Ant1 | -41.18 | -20 | Pass |
| NVNT | n(HT40) | 2422 | Ant1 | -36.48 | -20 | Pass |
| NVNT | n(HT40) | 2452 | Ant1 | -35.77 | -20 | Pass |

Test Graphs

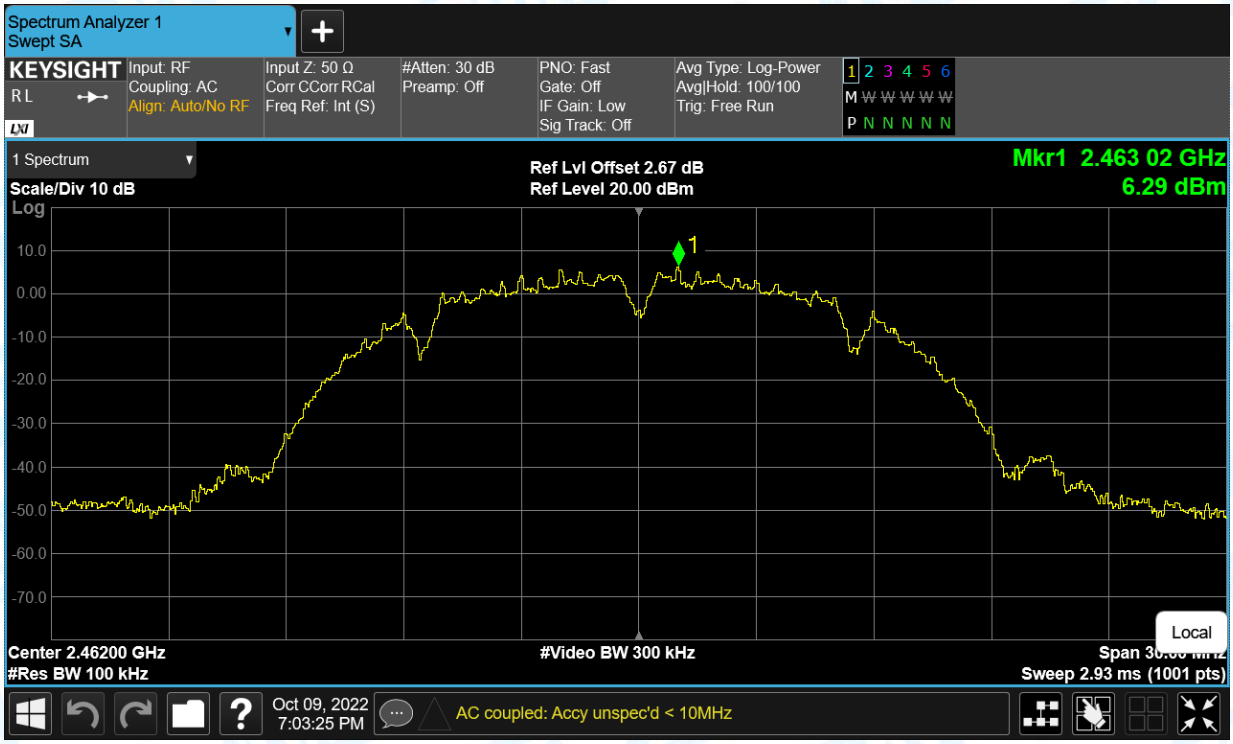
Band Edge NVNT b 2412MHz Ant1 Ref



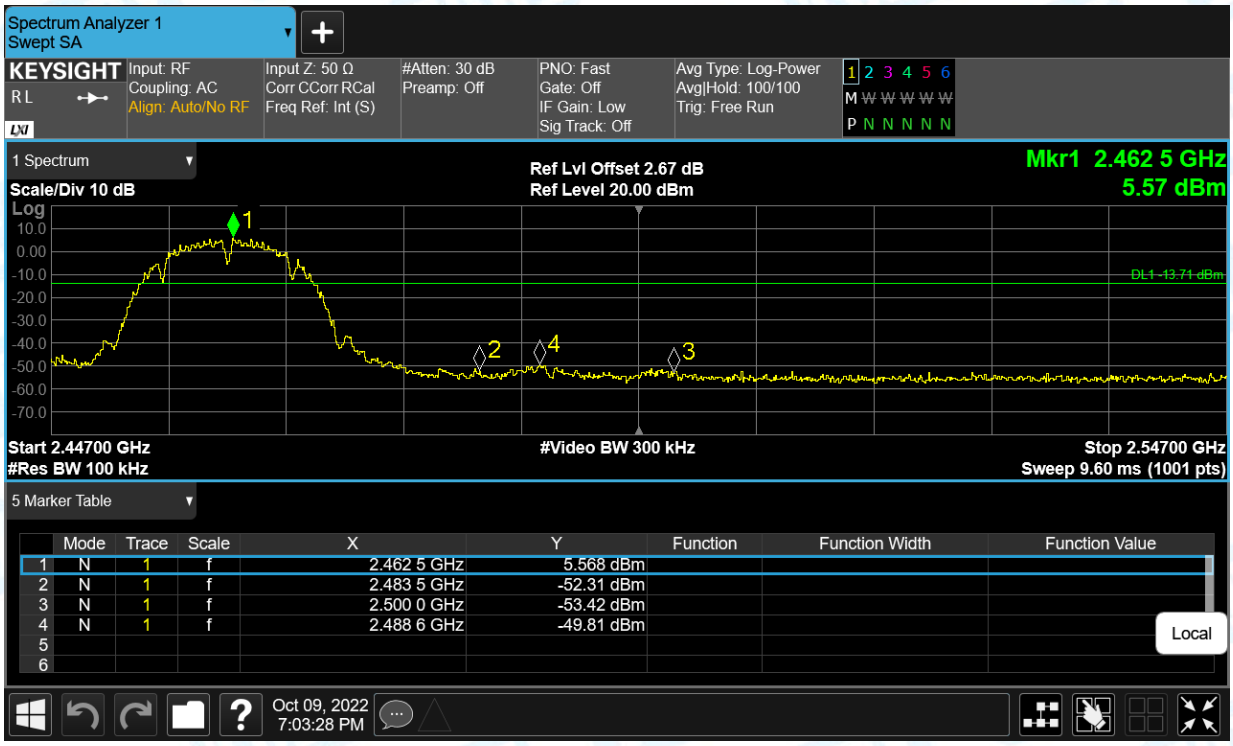

Band Edge NVNT b 2412MHz Ant1 Emission



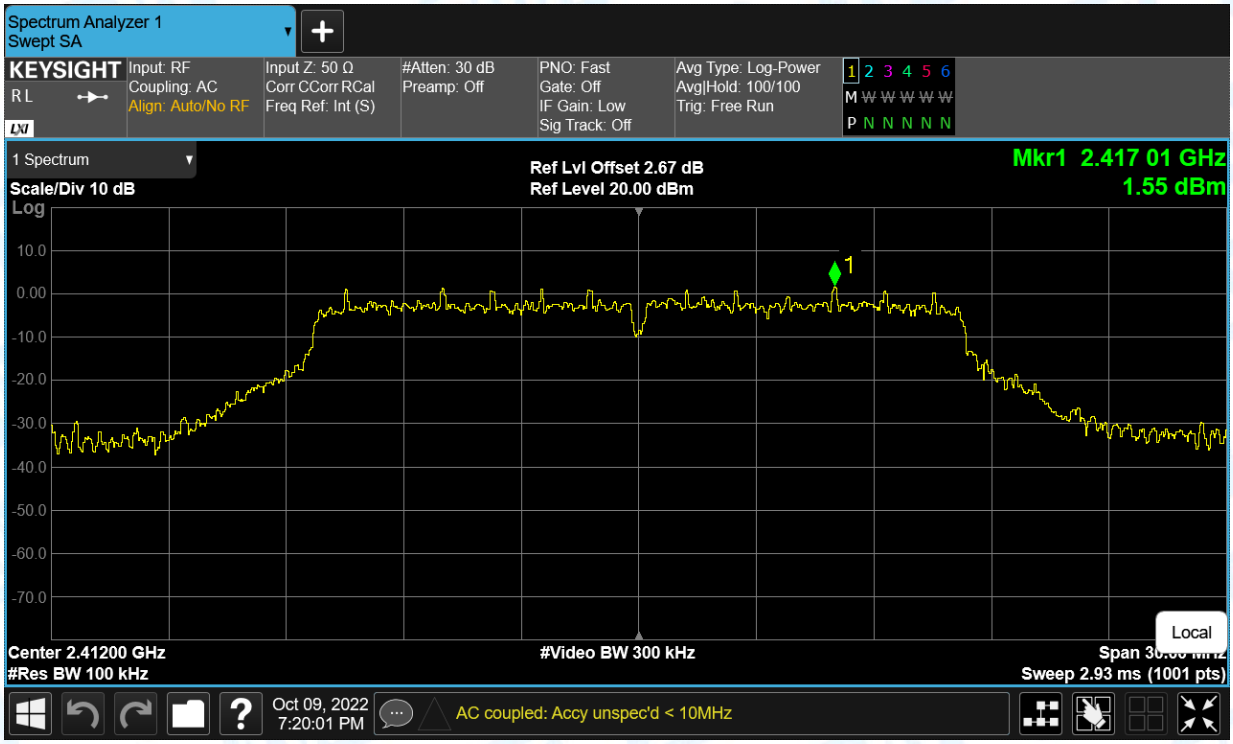
Band Edge NVNT b 2462MHz Ant1 Ref



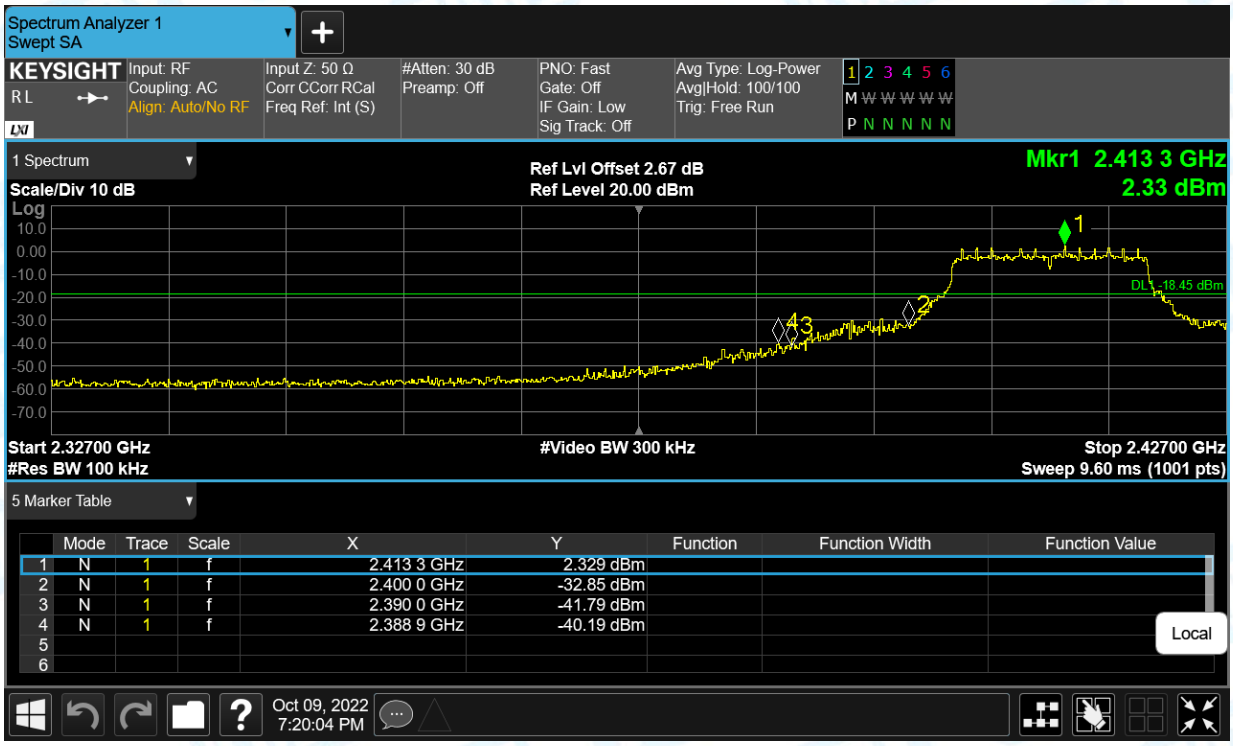

Band Edge NVNT b 2462MHz Ant1 Emission



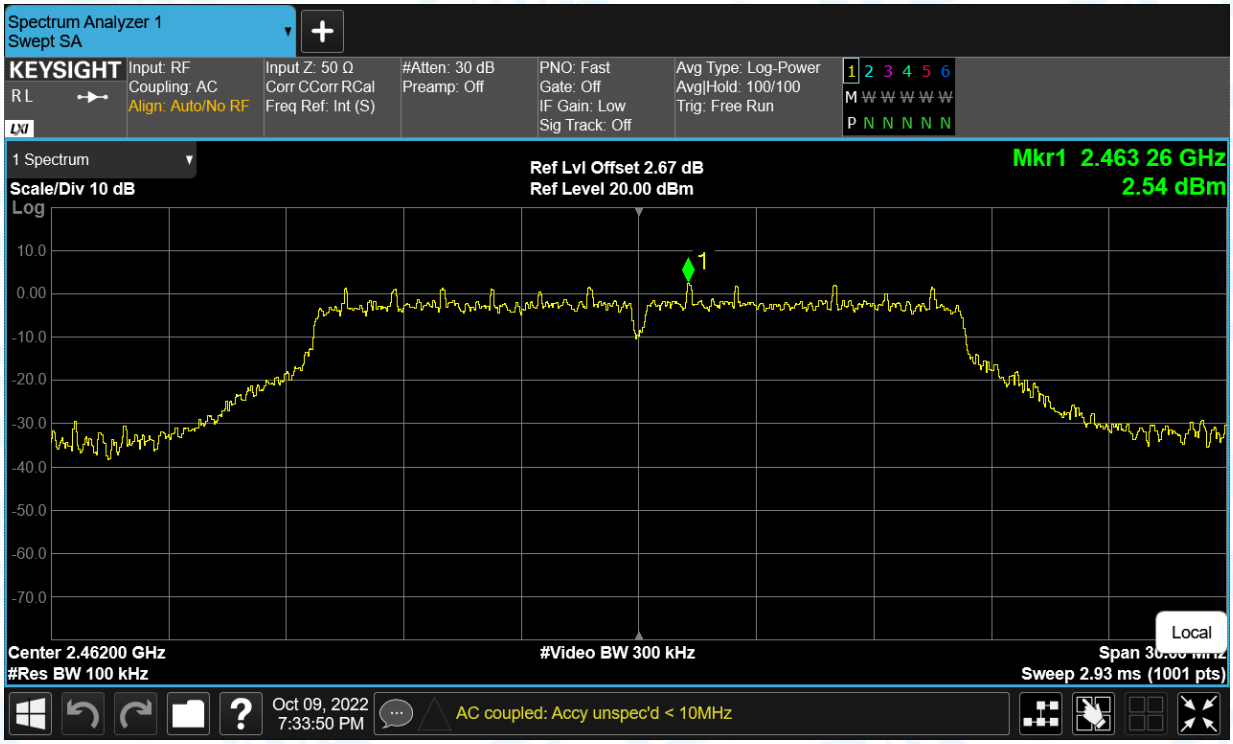
Band Edge NVNT g 2412MHz Ant1 Ref



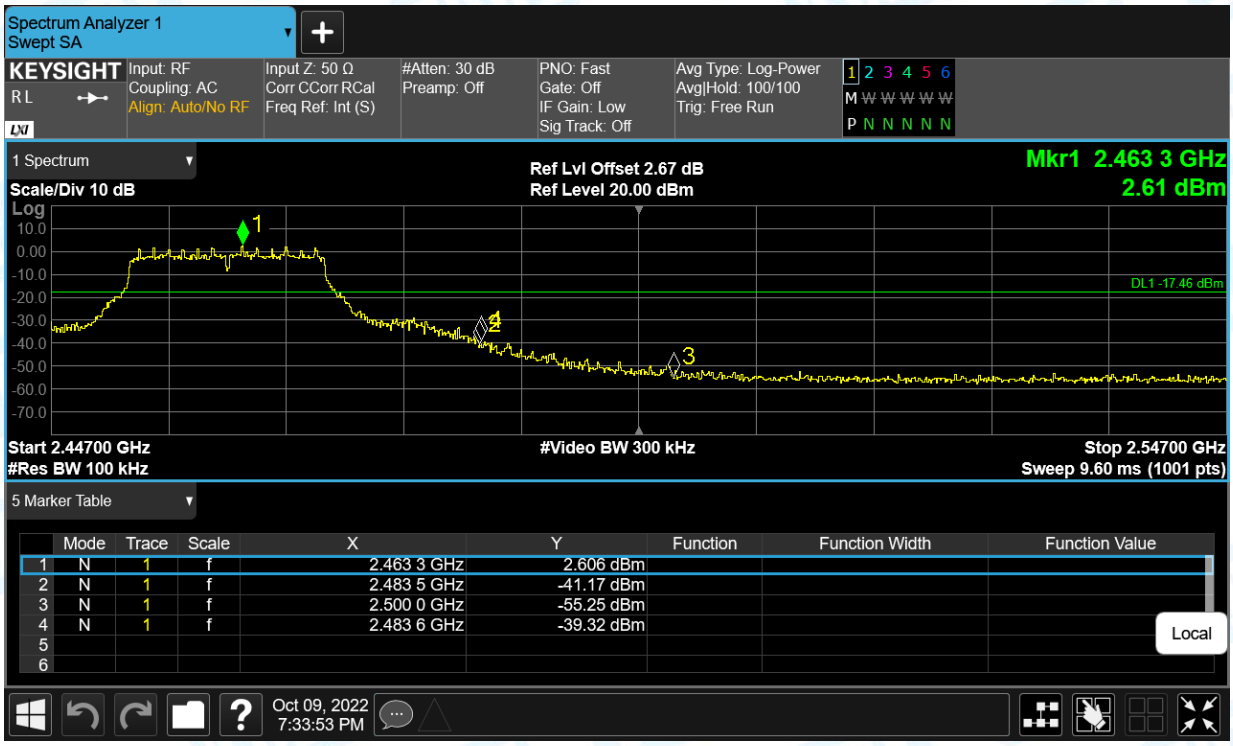

Band Edge NVNT g 2412MHz Ant1 Emission



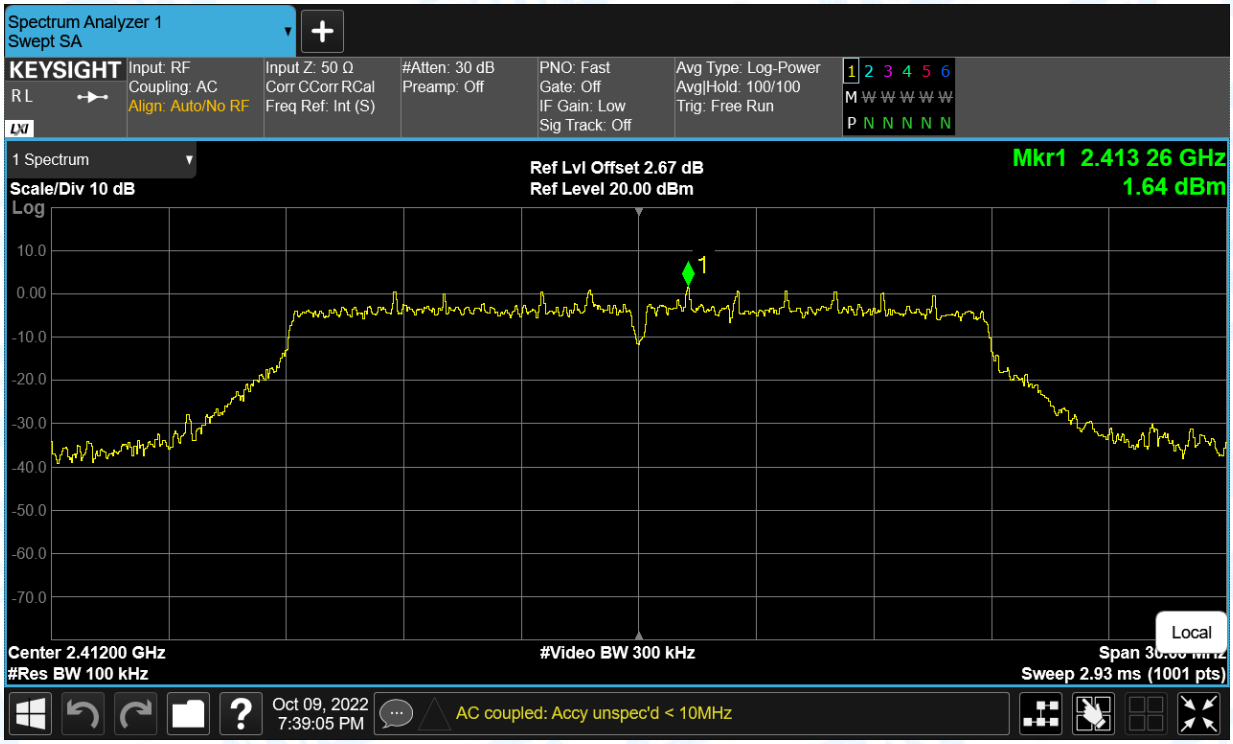
Band Edge NVNT g 2462MHz Ant1 Ref



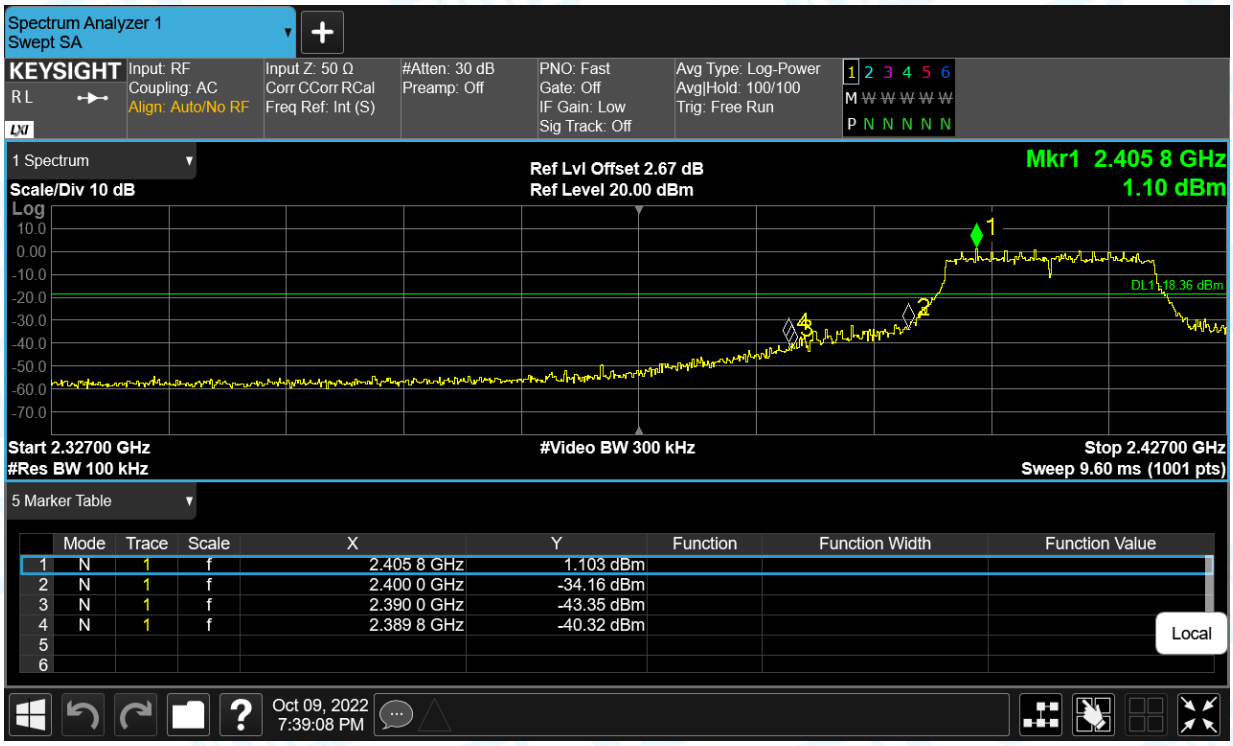

Band Edge NVNT g 2462MHz Ant1 Emission



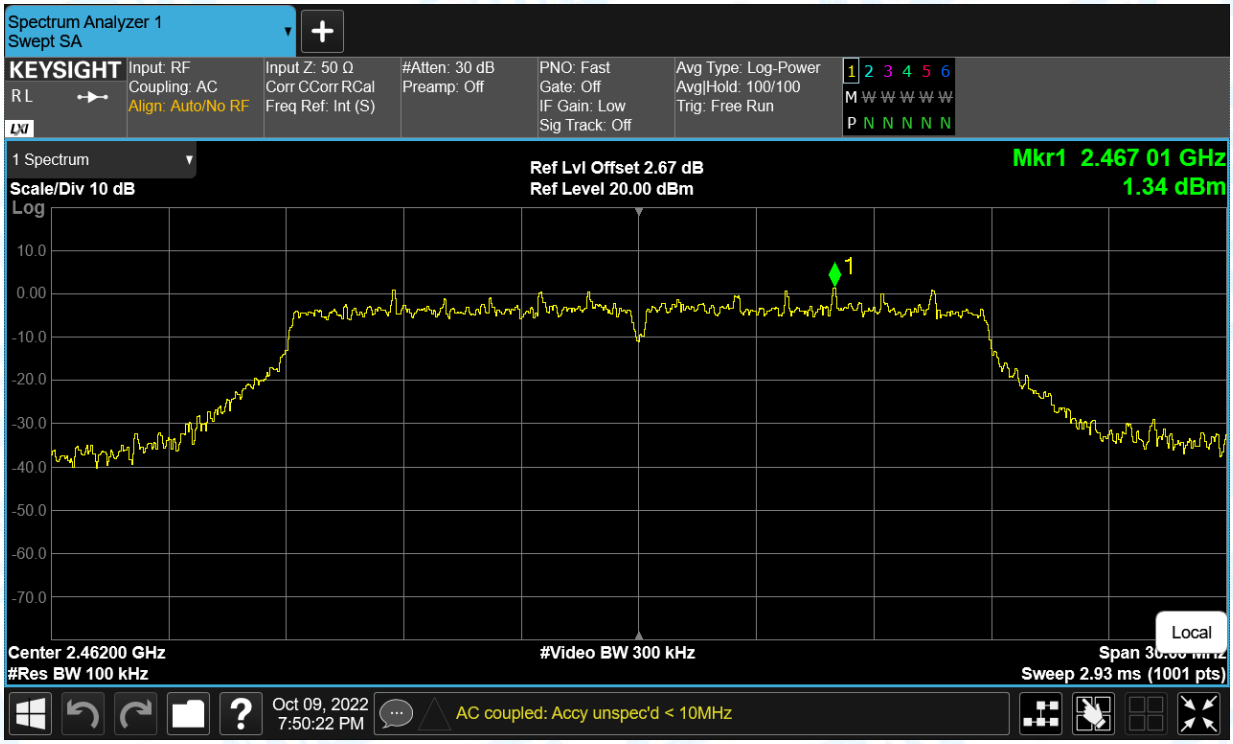
Band Edge NVNT n(HT20) 2412MHz Ant1 Ref



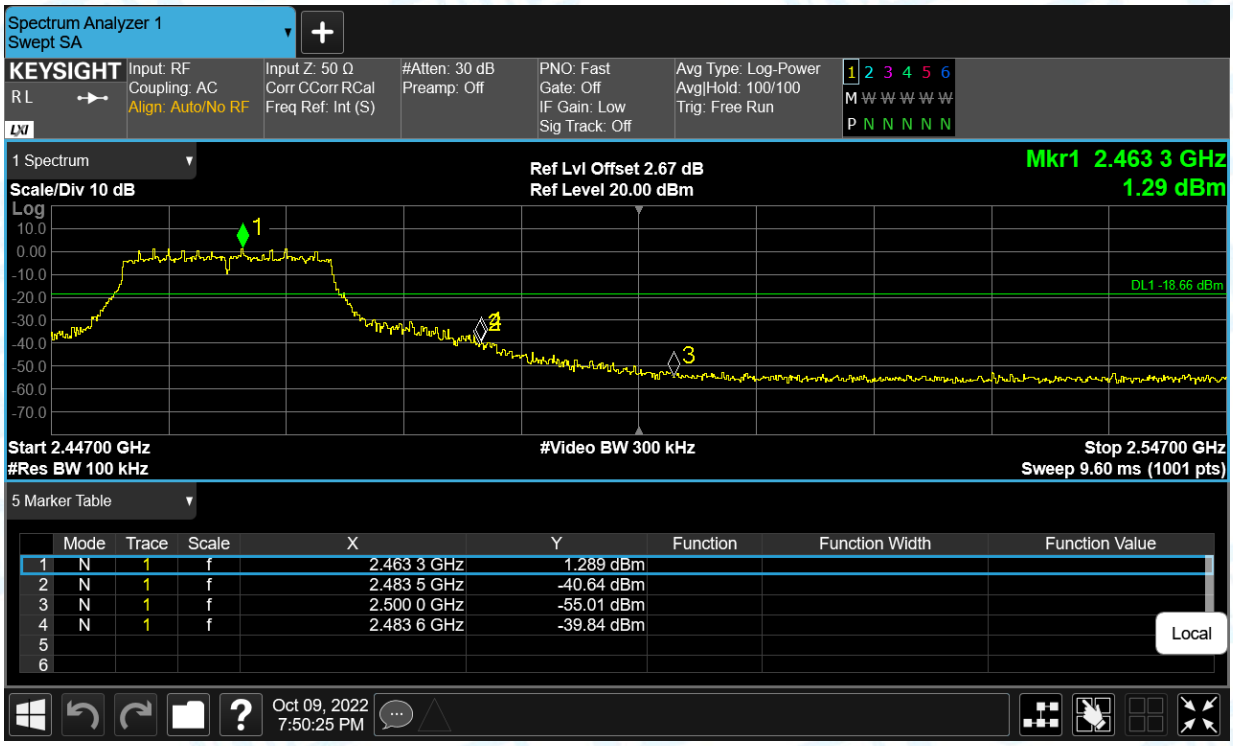

Band Edge NVNT n(HT20) 2412MHz Ant1 Emission



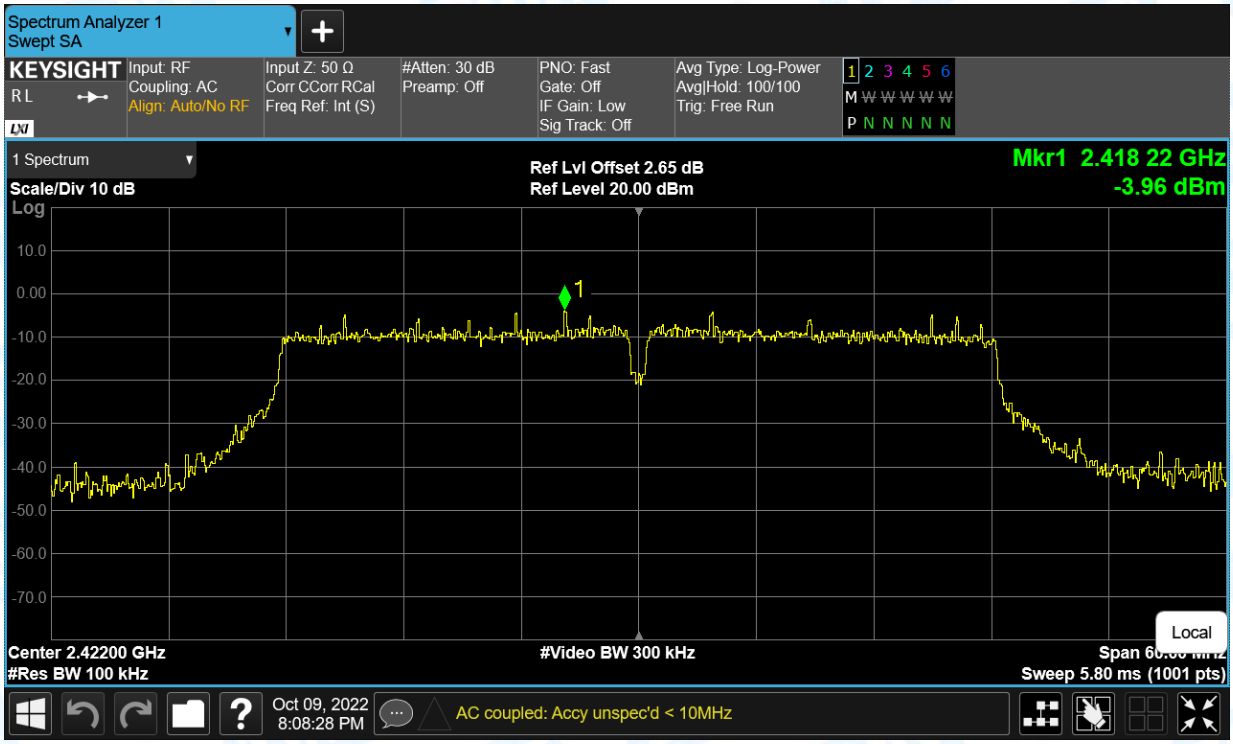
Band Edge NVNT n(HT20) 2462MHz Ant1 Ref



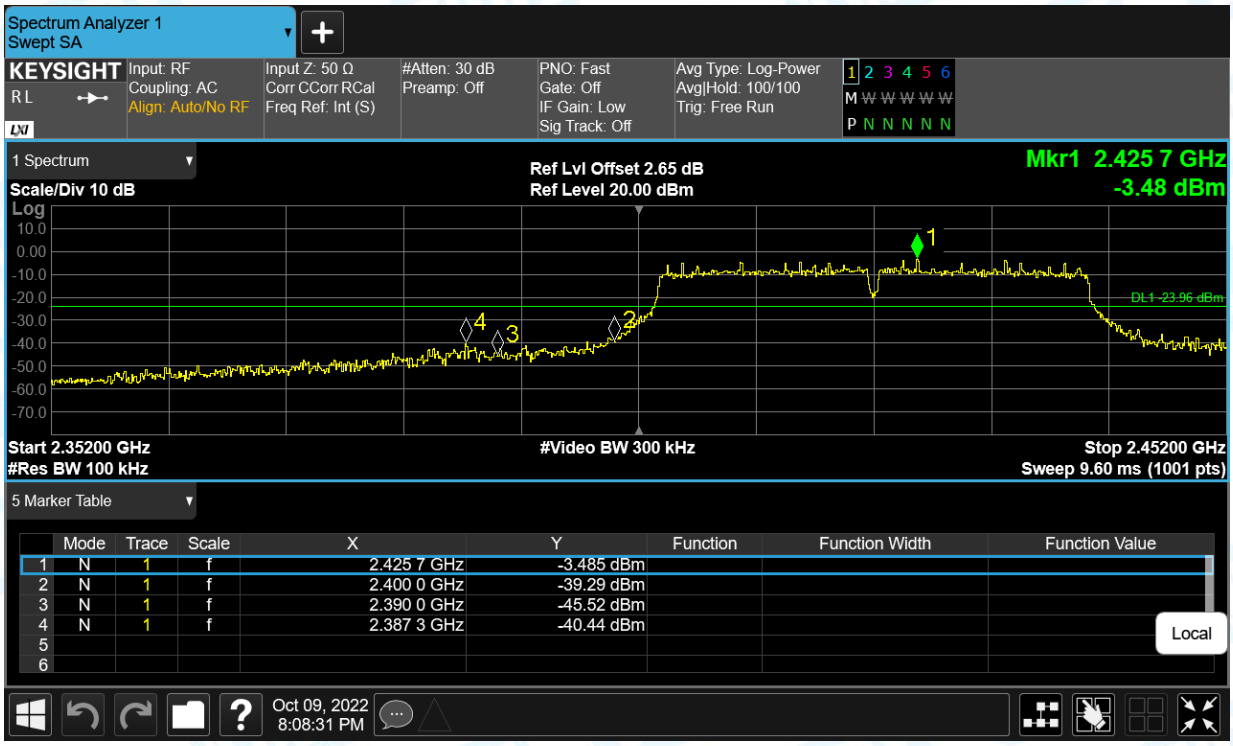

Band Edge NVNT n(HT20) 2462MHz Ant1 Emission



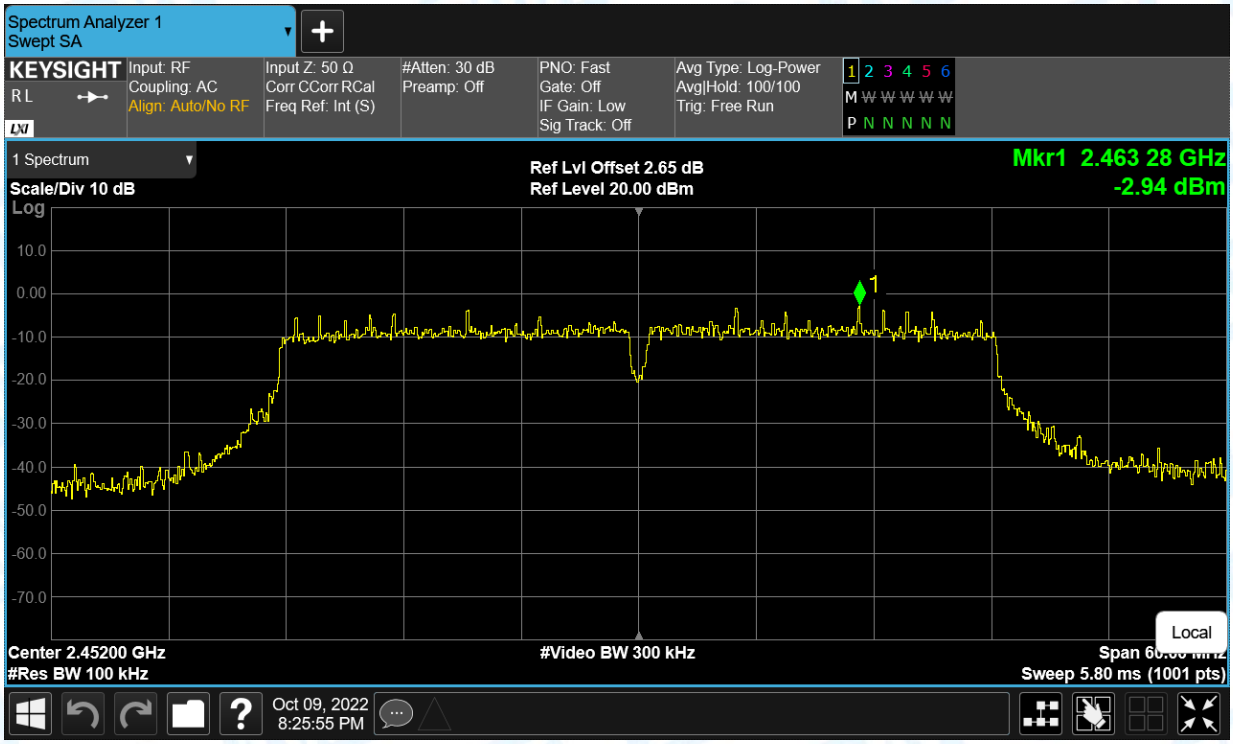
Band Edge NVNT n(HT40) 2422MHz Ant1 Ref



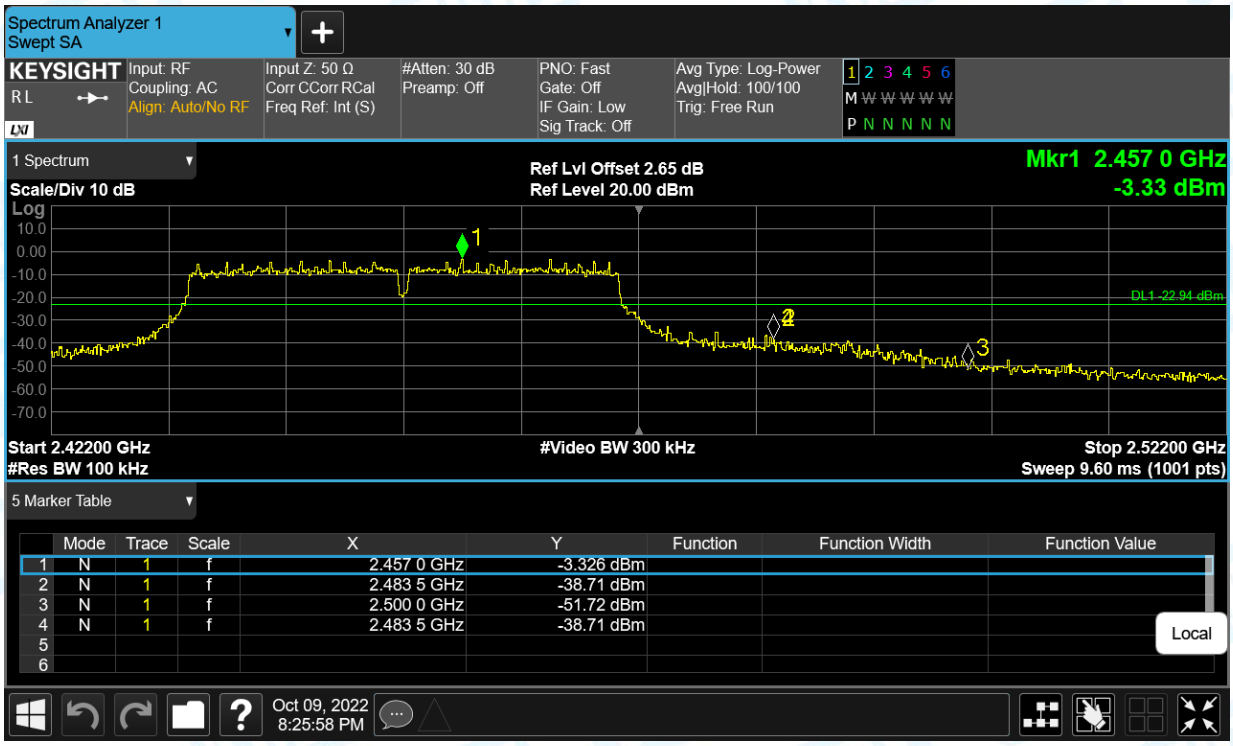

Band Edge NVNT n(HT40) 2422MHz Ant1 Emission



Band Edge NVNT n(HT40) 2452MHz Ant1 Ref




Band Edge NVNT n(HT40) 2452MHz Ant1 Emission

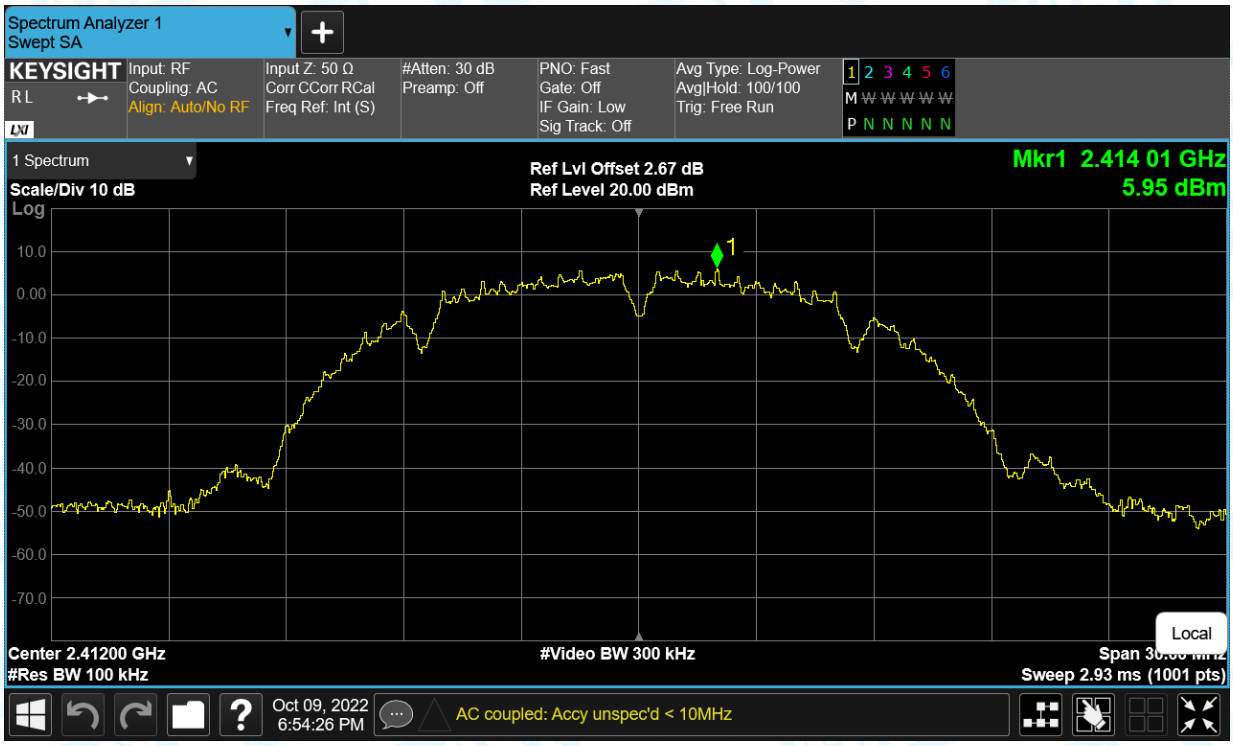


# 7. Conducted RF Spurious Emission

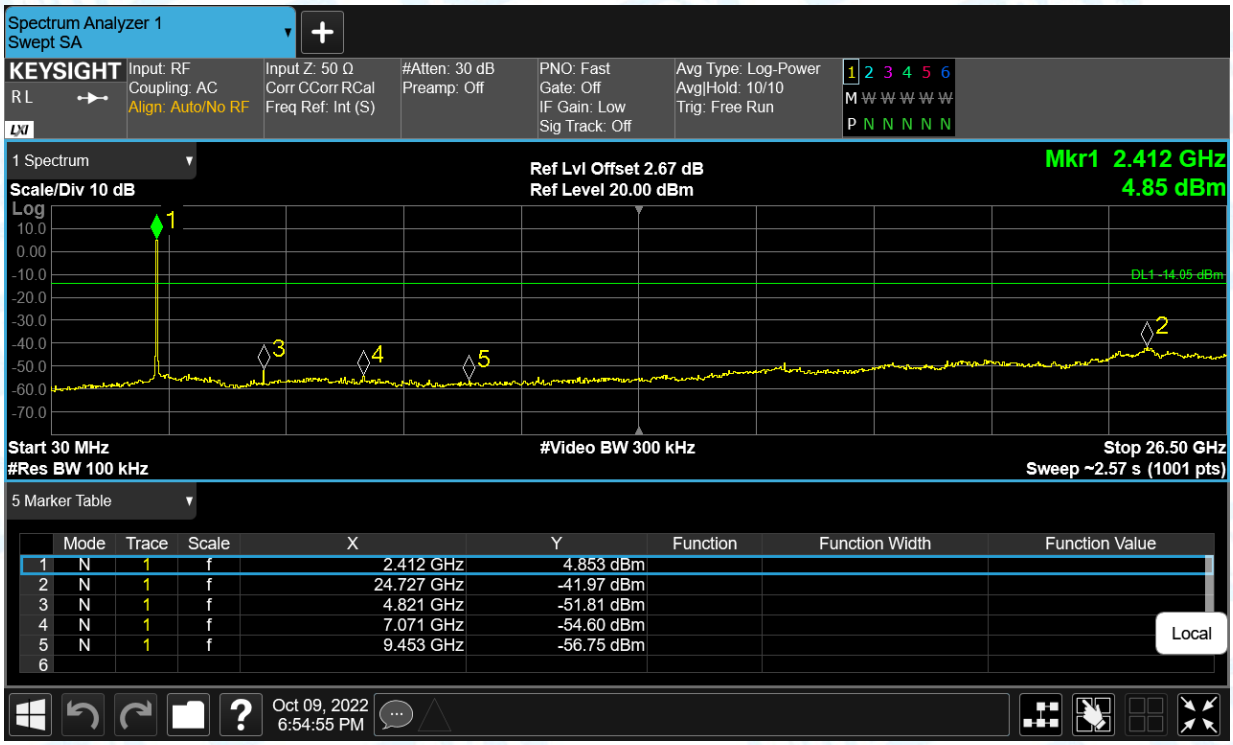
| Condition | Mode | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
|---|---|---|---|---|---|---|
| NVNT | b | 2412 | Ant1 | -47.92 | -20 | Pass |
| NVNT | b | 2437 | Ant1 | -47.66 | -20 | Pass |
| NVNT | b | 2462 | Ant1 | -48.26 | -20 | Pass |
| NVNT | g | 2412 | Ant1 | -45.26 | -20 | Pass |
| NVNT | g | 2437 | Ant1 | -44.34 | -20 | Pass |
| NVNT | g | 2462 | Ant1 | -45.27 | -20 | Pass |
| NVNT | n(HT20) | 2412 | Ant1 | -43.47 | -20 | Pass |
| NVNT | n(HT20) | 2437 | Ant1 | -43.36 | -20 | Pass |
| NVNT | n(HT20) | 2462 | Ant1 | -42.95 | -20 | Pass |
| NVNT | n(HT40) | 2422 | Ant1 | -38.17 | -20 | Pass |
| NVNT | n(HT40) | 2437 | Ant1 | -38.88 | -20 | Pass |
| NVNT | n(HT40) | 2452 | Ant1 | -38.76 | -20 | Pass |

Test Graphs

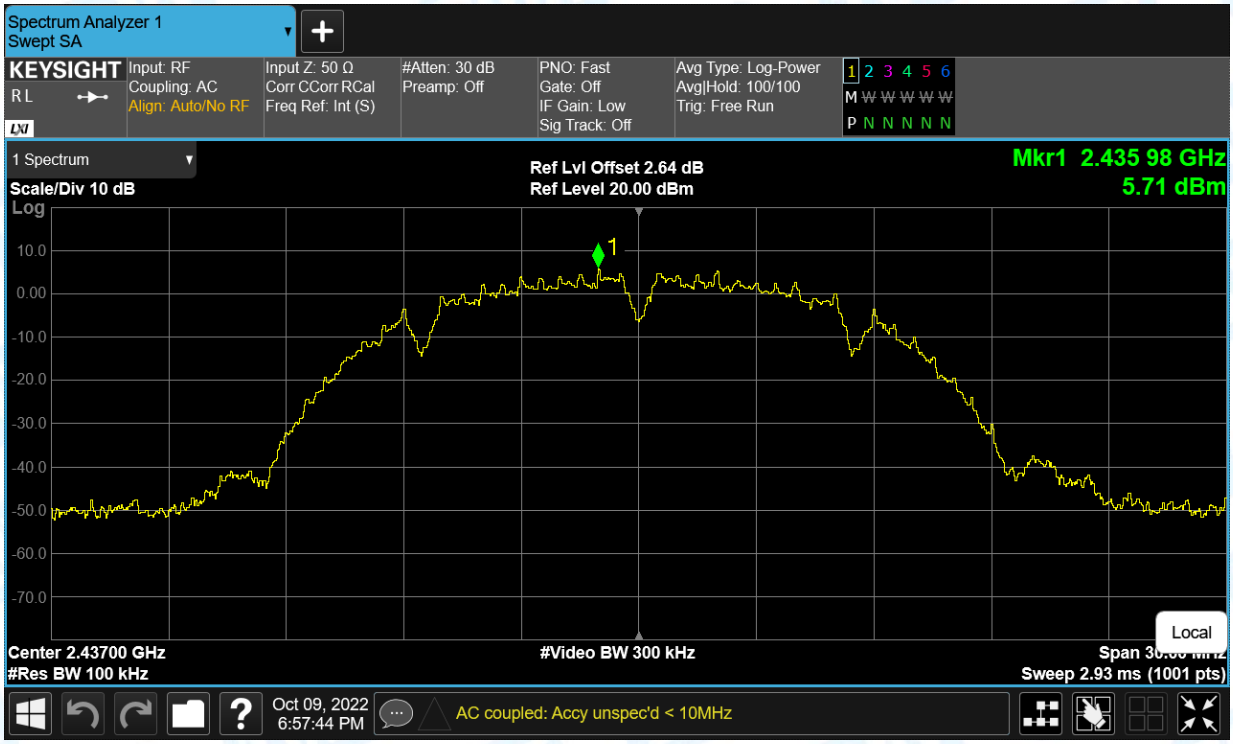
Tx. Spurious NVNT b 2412MHz Ant1 Ref



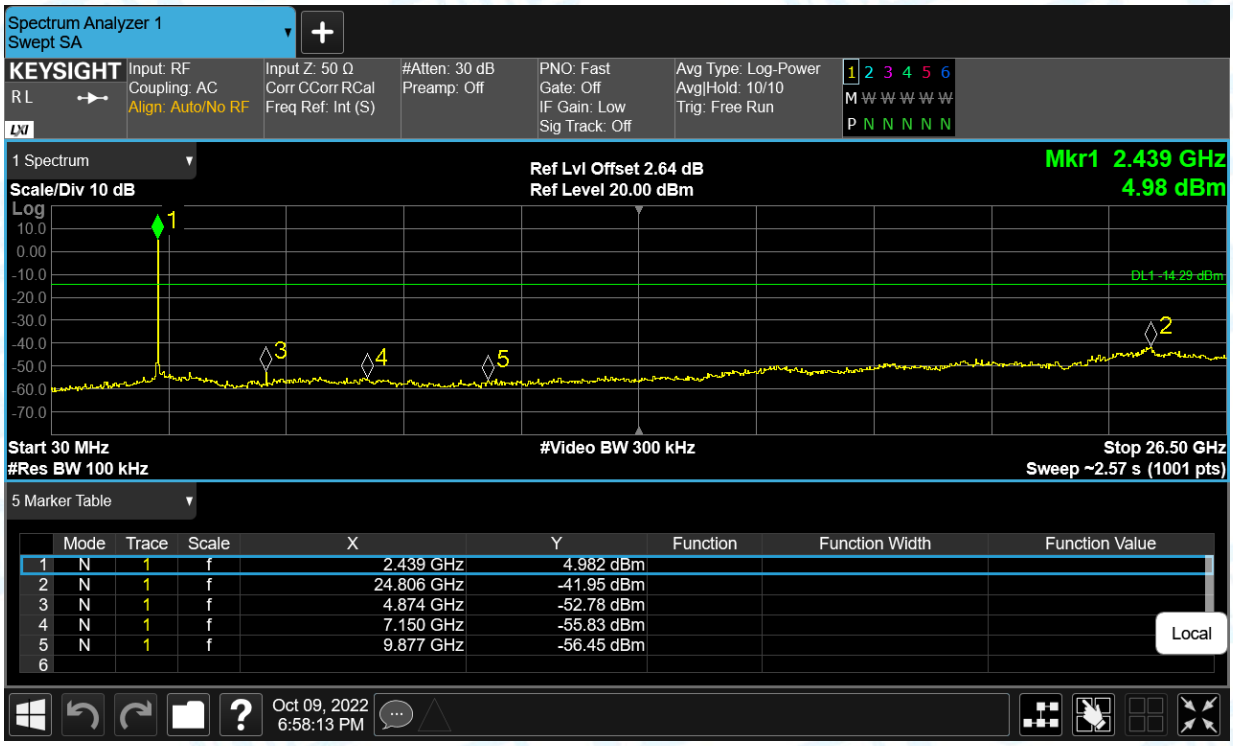

Tx. Spurious NVNT b 2412MHz Ant1 Emission



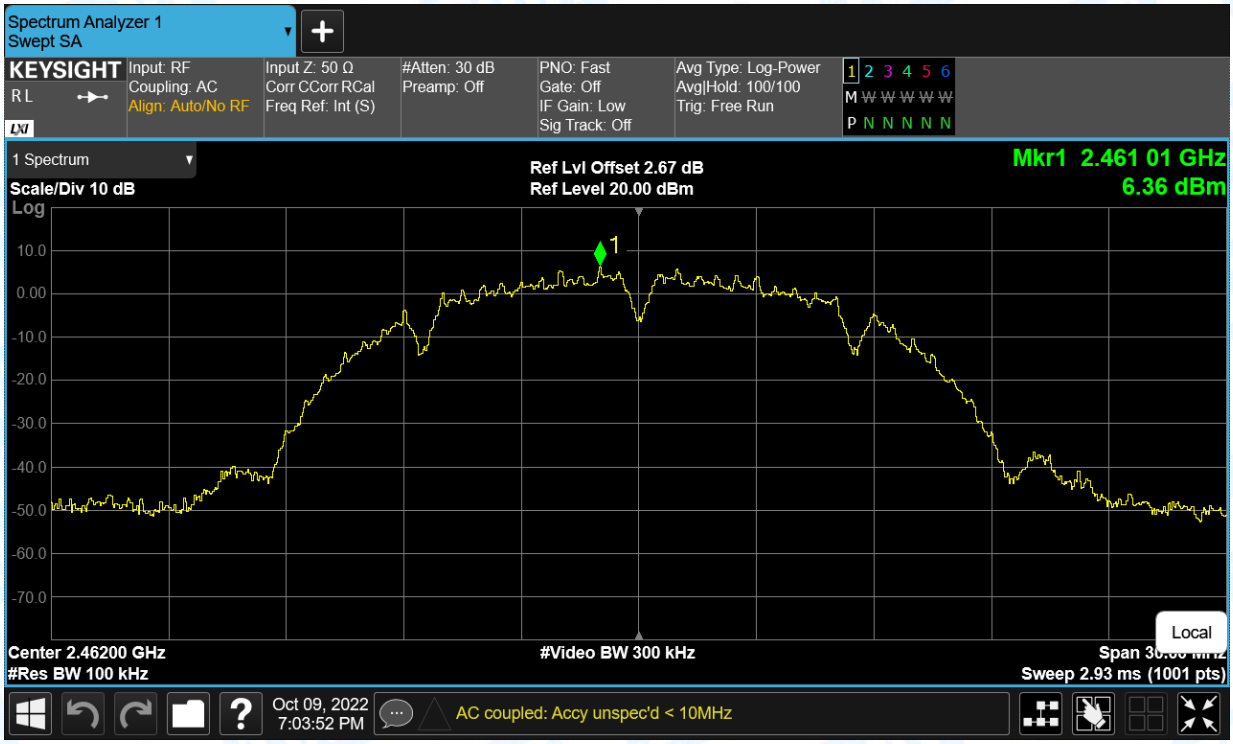
Tx. Spurious NVNT b 2437MHz Ant1 Ref



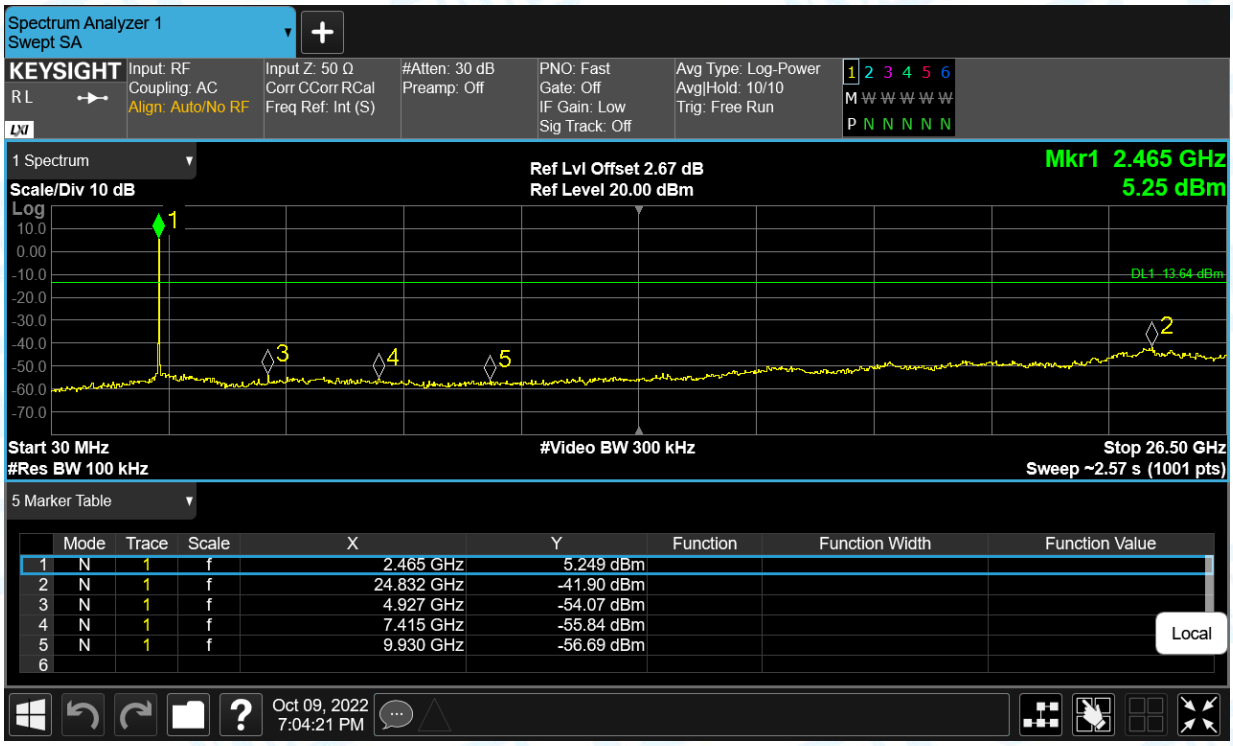

Tx. Spurious NVNT b 2437MHz Ant1 Emission



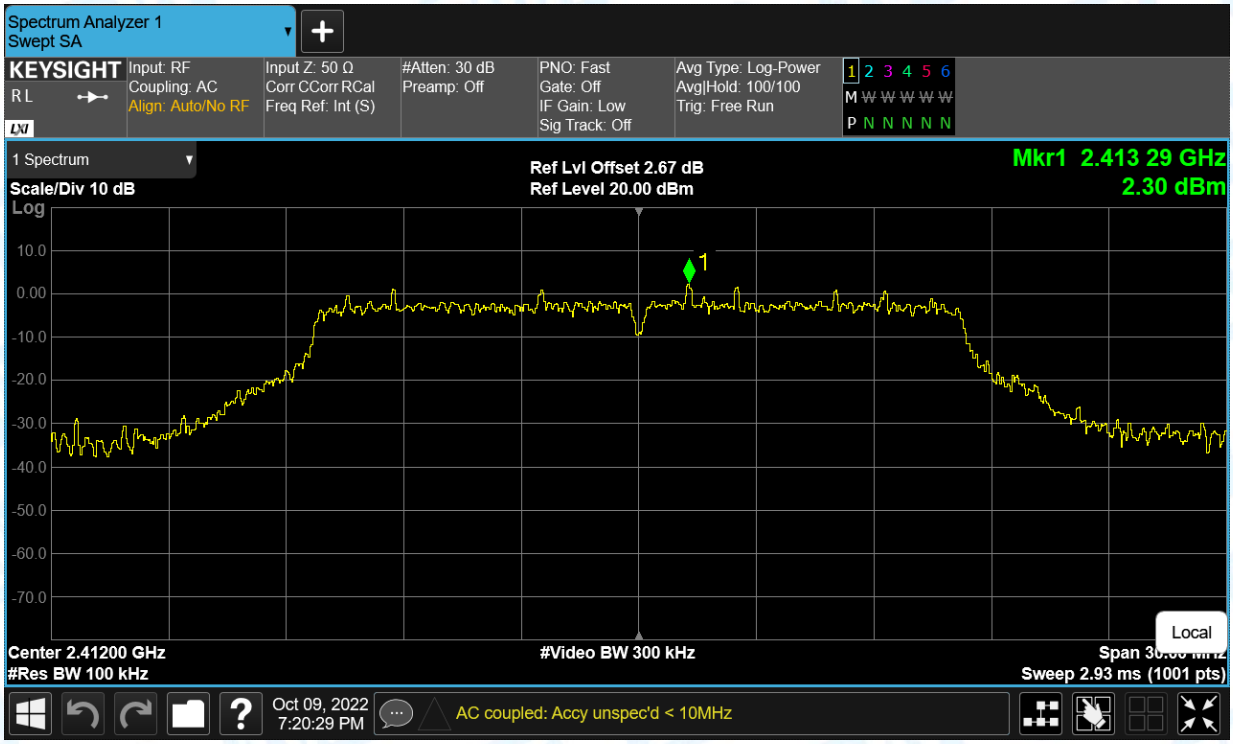
Tx. Spurious NVNT b 2462MHz Ant1 Ref



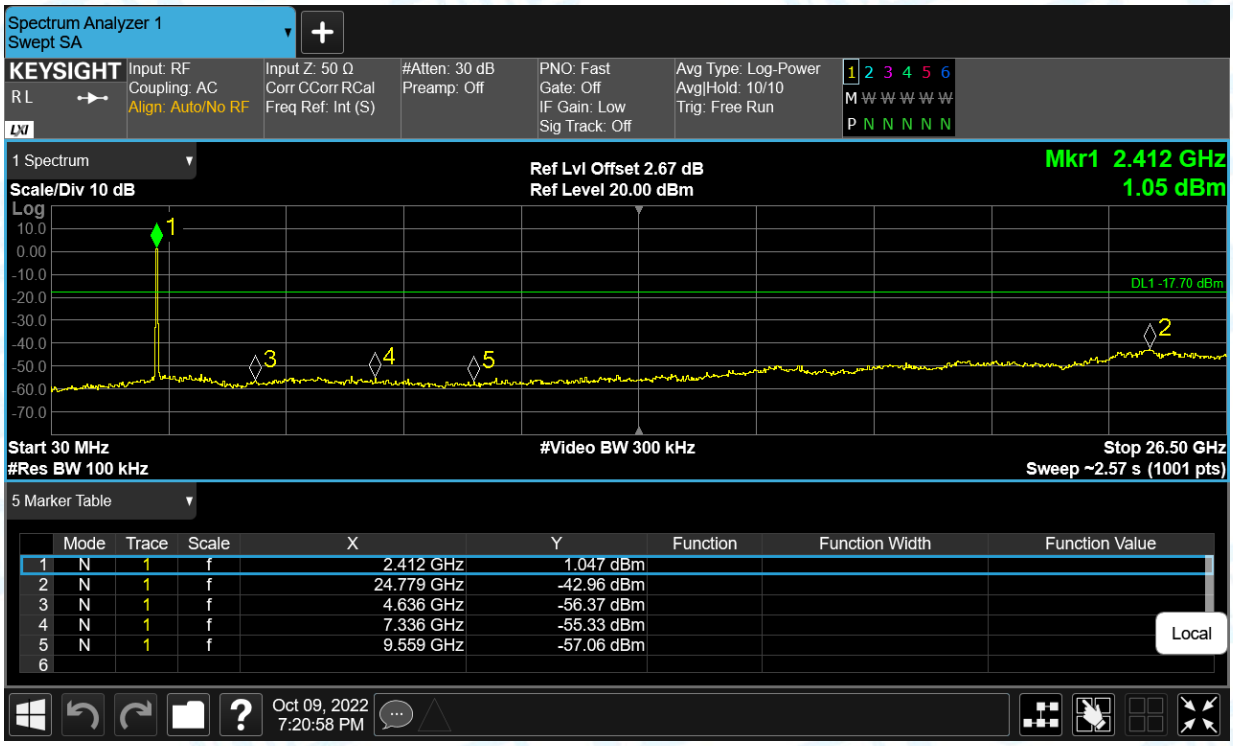

Tx. Spurious NVNT b 2462MHz Ant1 Emission



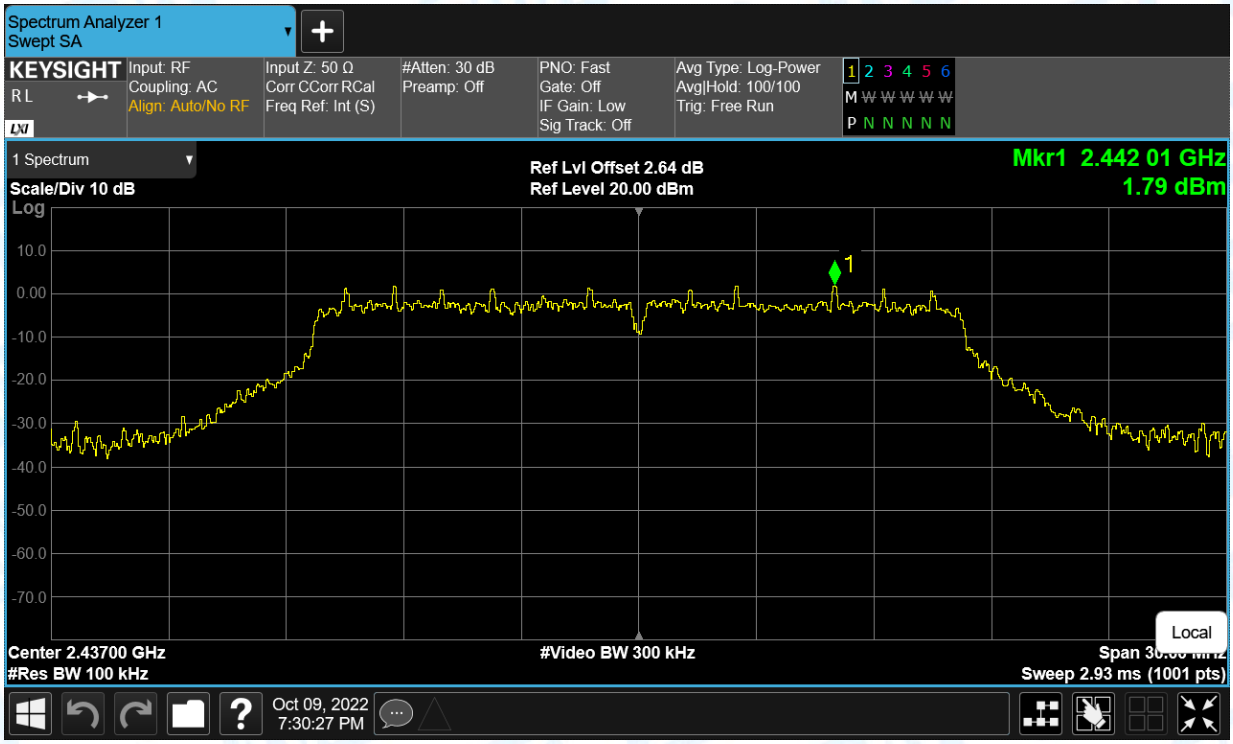
Tx. Spurious NVNT g 2412MHz Ant1 Ref



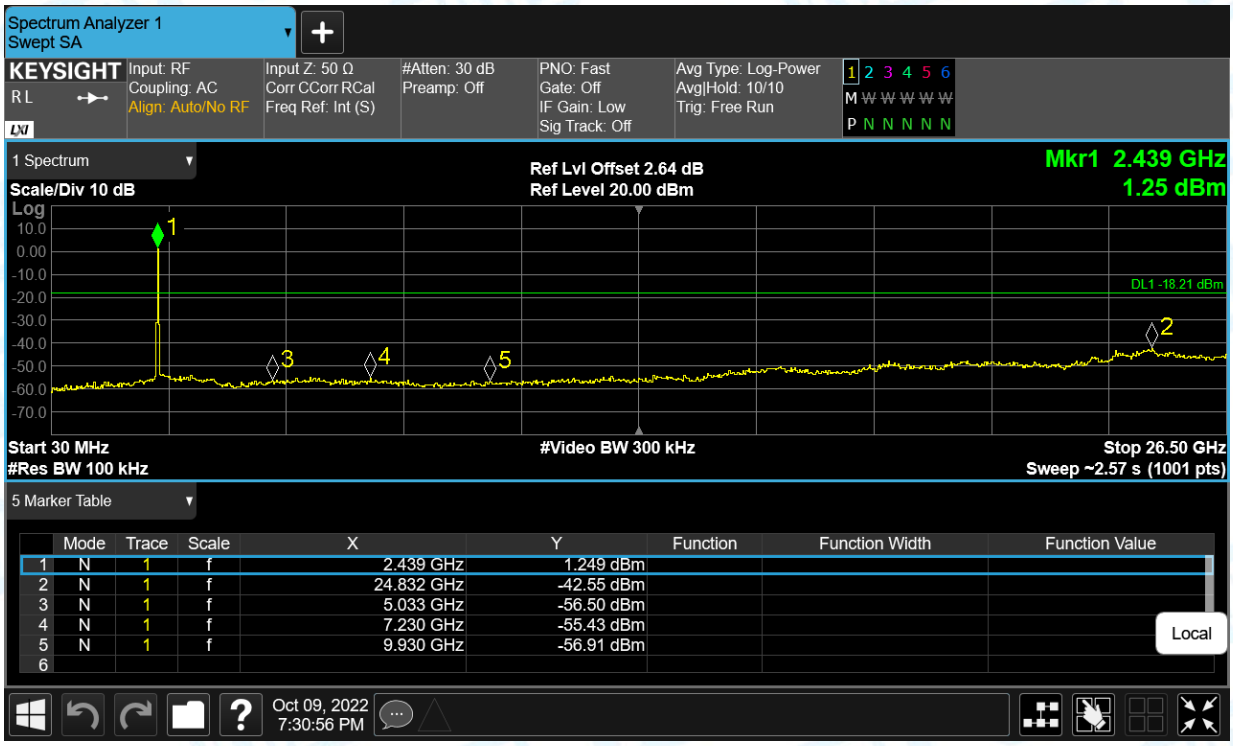

Tx. Spurious NVNT g 2412MHz Ant1 Emission



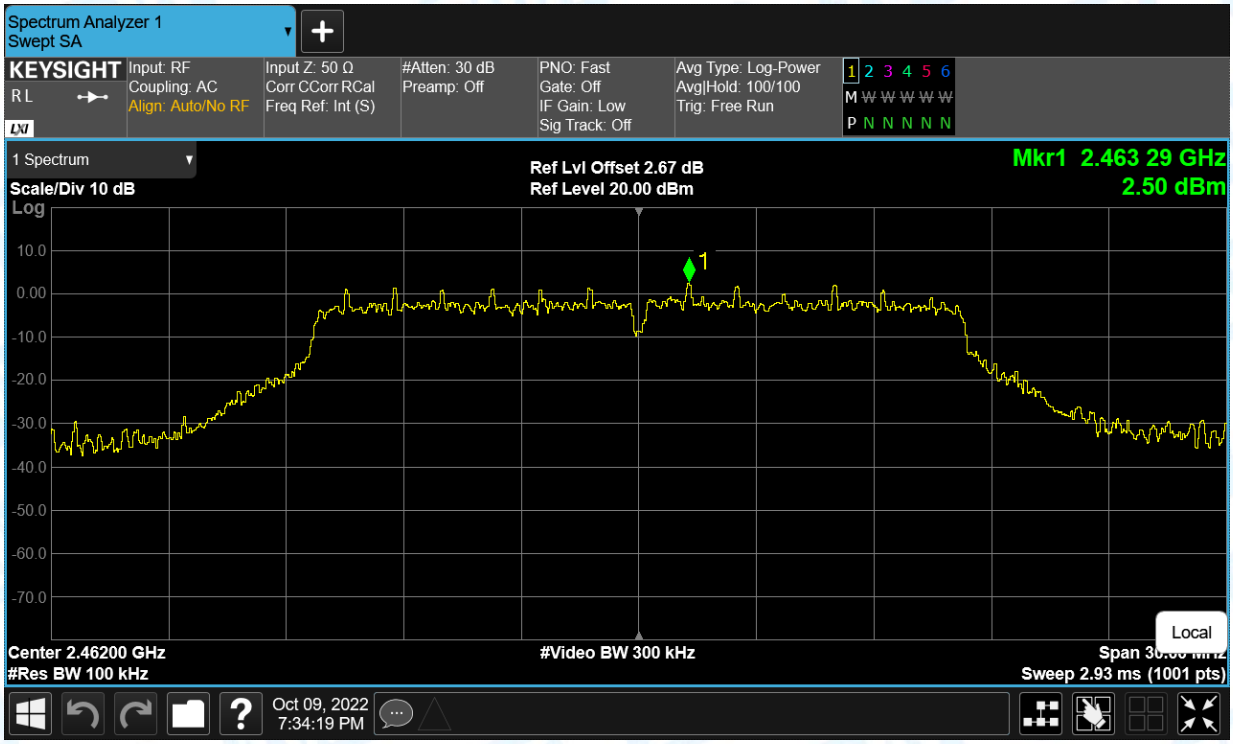
Tx. Spurious NVNT g 2437MHz Ant1 Ref



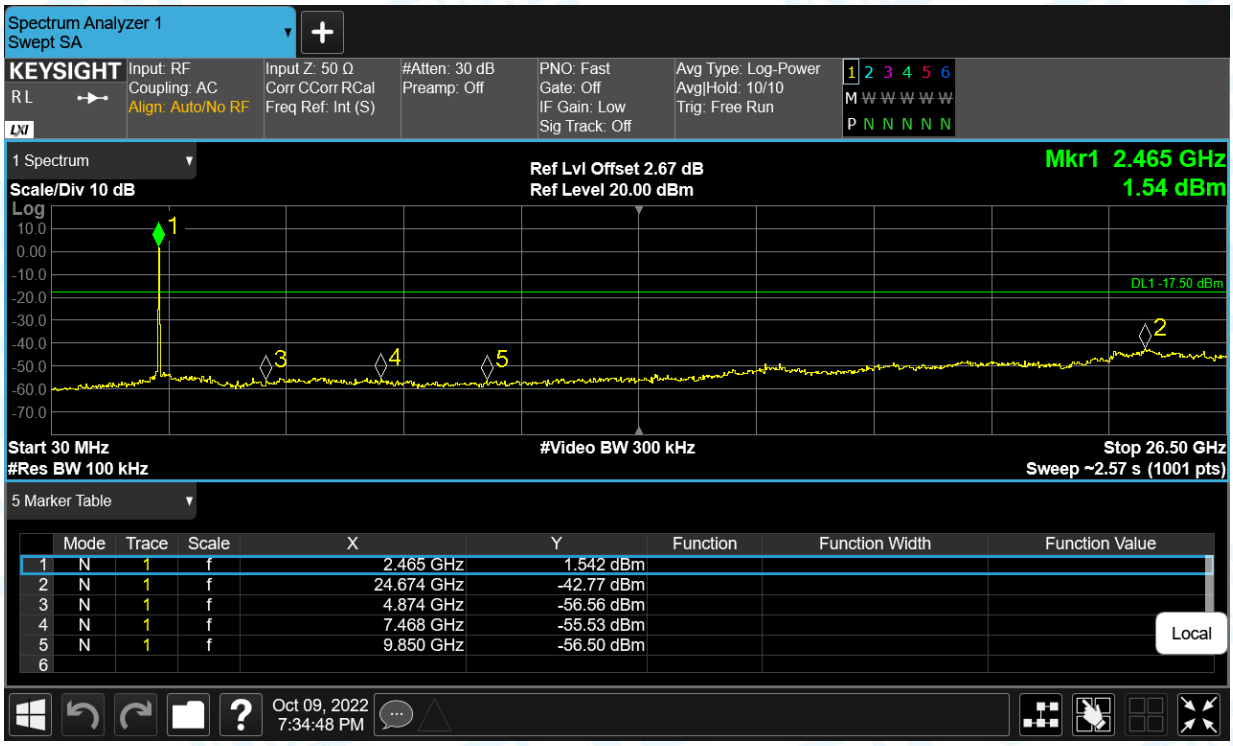

Tx. Spurious NVNT g 2437MHz Ant1 Emission



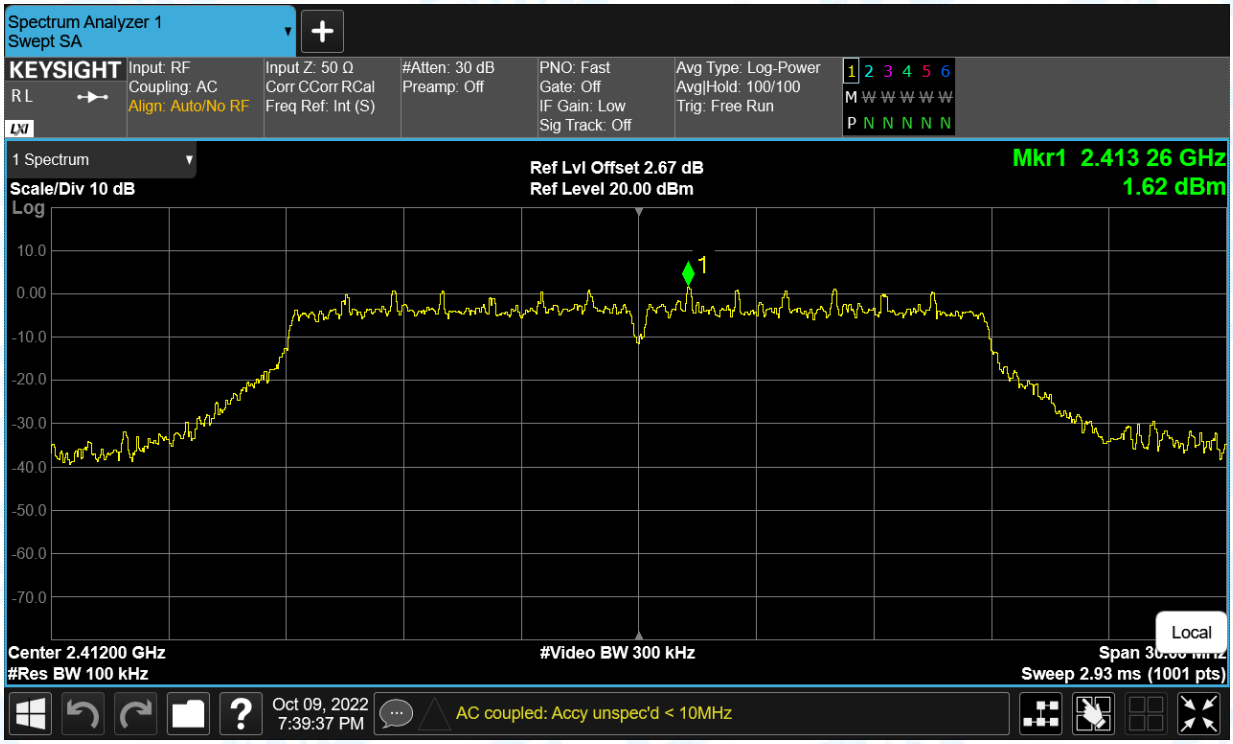
Tx. Spurious NVNT g 2462MHz Ant1 Ref



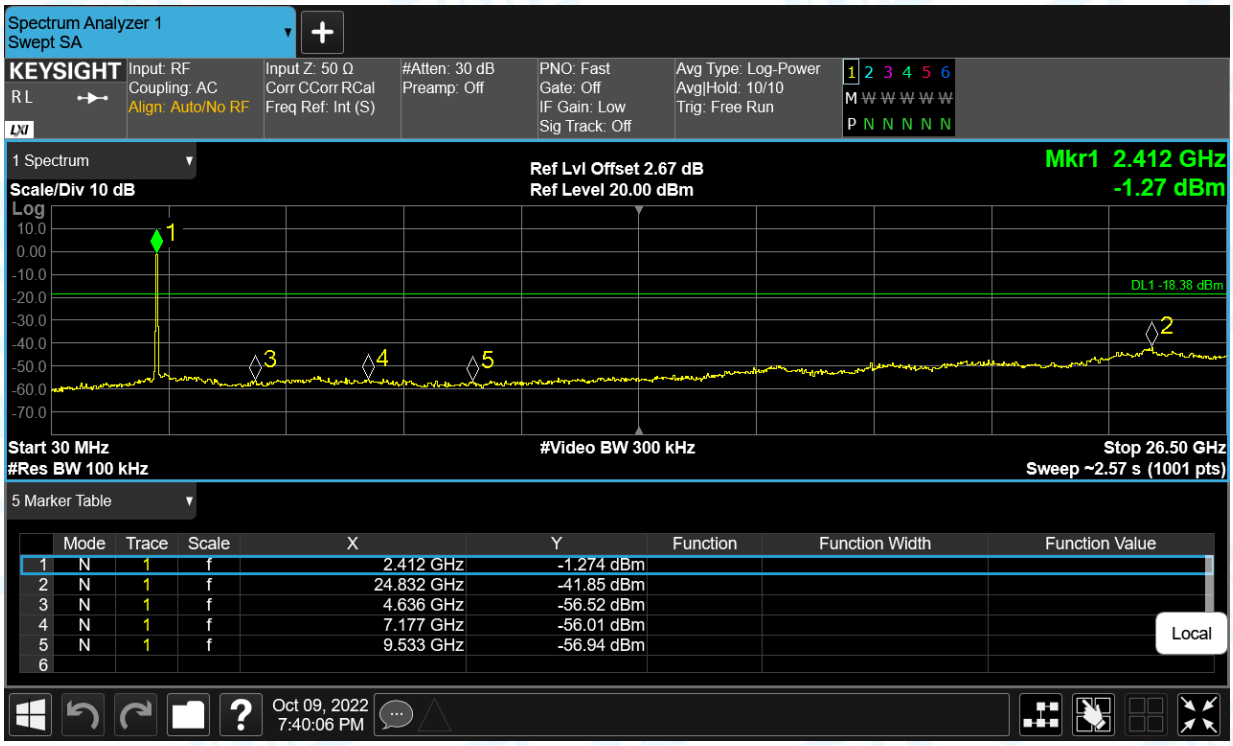

Tx. Spurious NVNT g 2462MHz Ant1 Emission



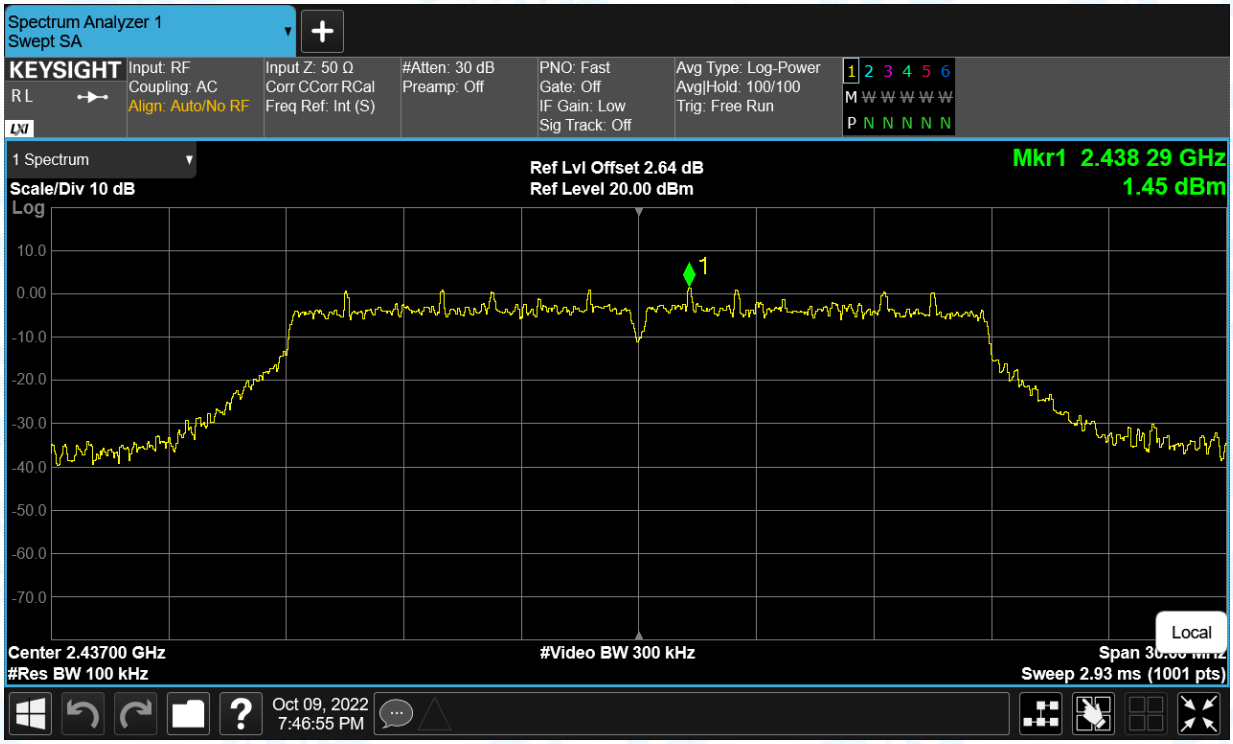
Tx. Spurious NVNT n(HT20) 2412MHz Ant1 Ref



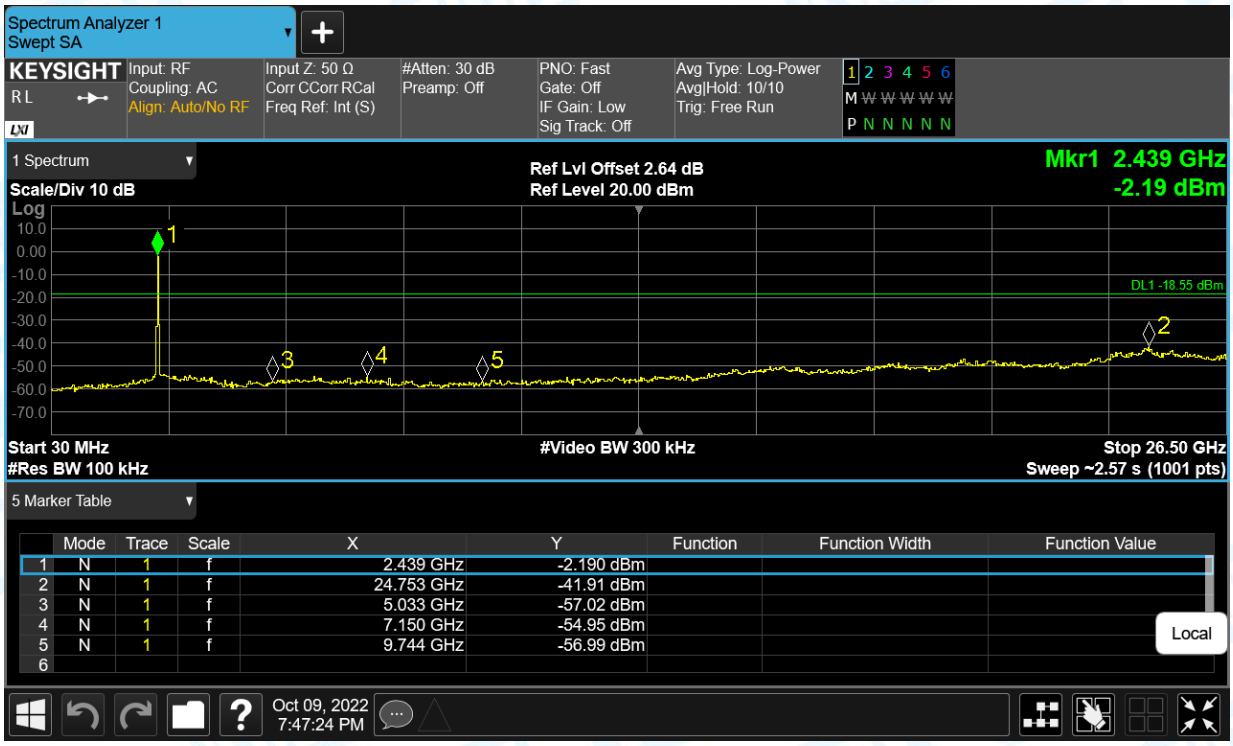

Tx. Spurious NVNT n(HT20) 2412MHz Ant1 Emission



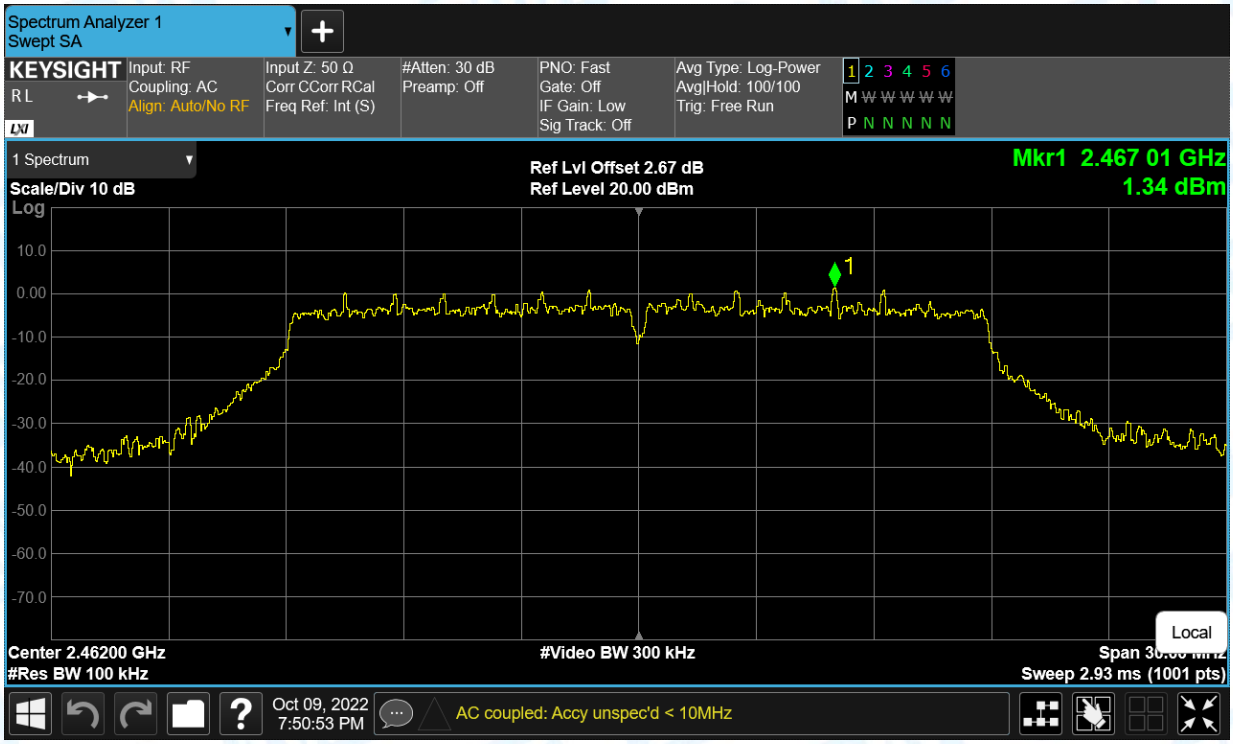
Tx. Spurious NVNT n(HT20) 2437MHz Ant1 Ref



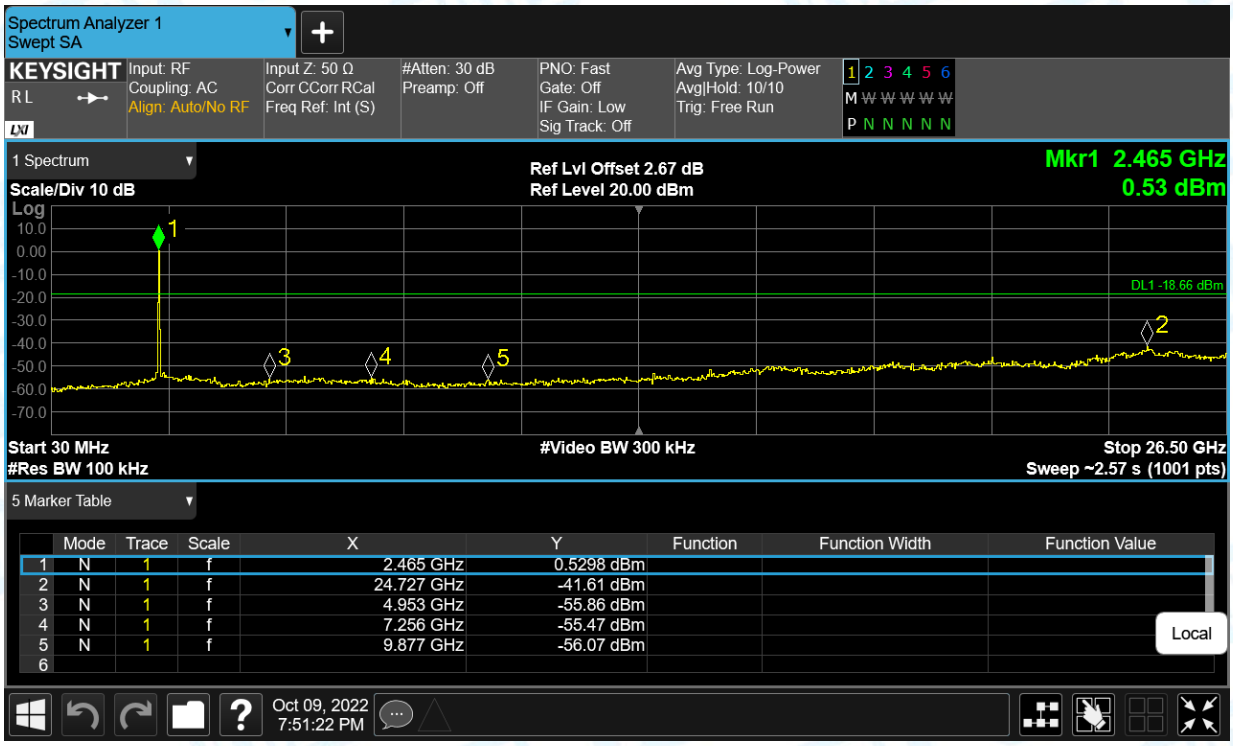

Tx. Spurious NVNT n(HT20) 2437MHz Ant1 Emission



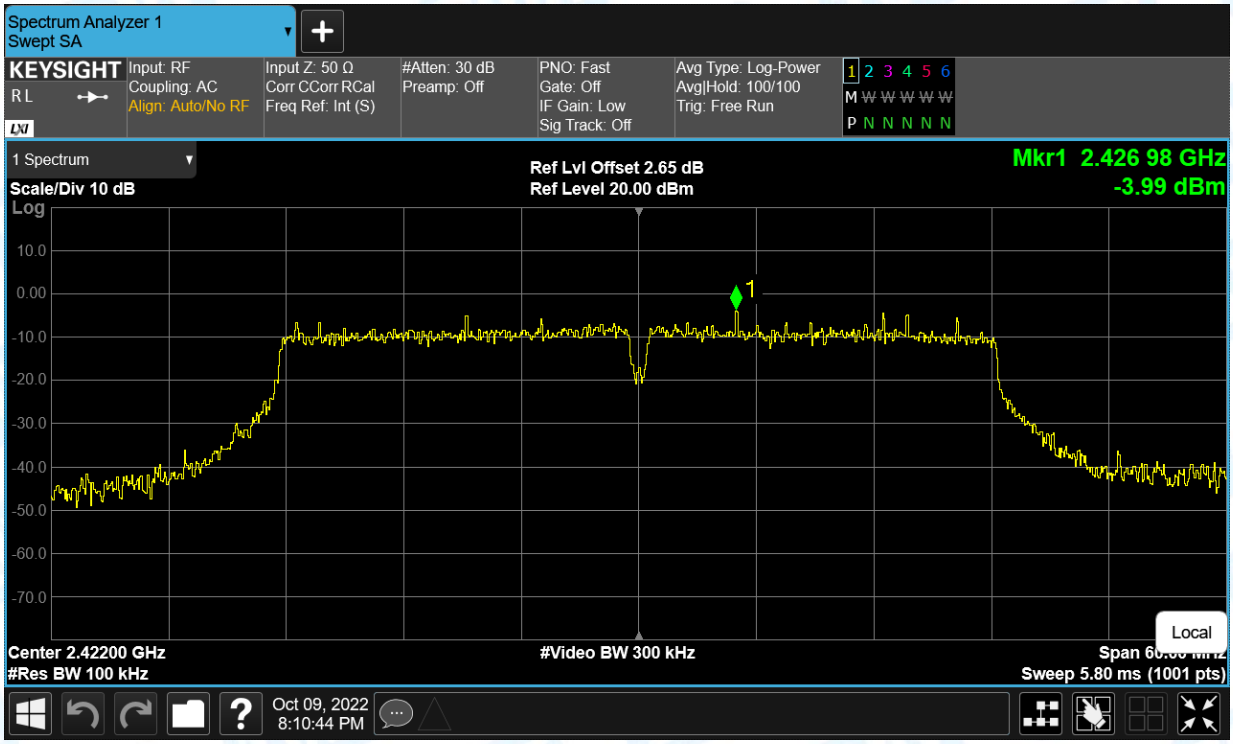
Tx. Spurious NVNT n(HT20) 2462MHz Ant1 Ref



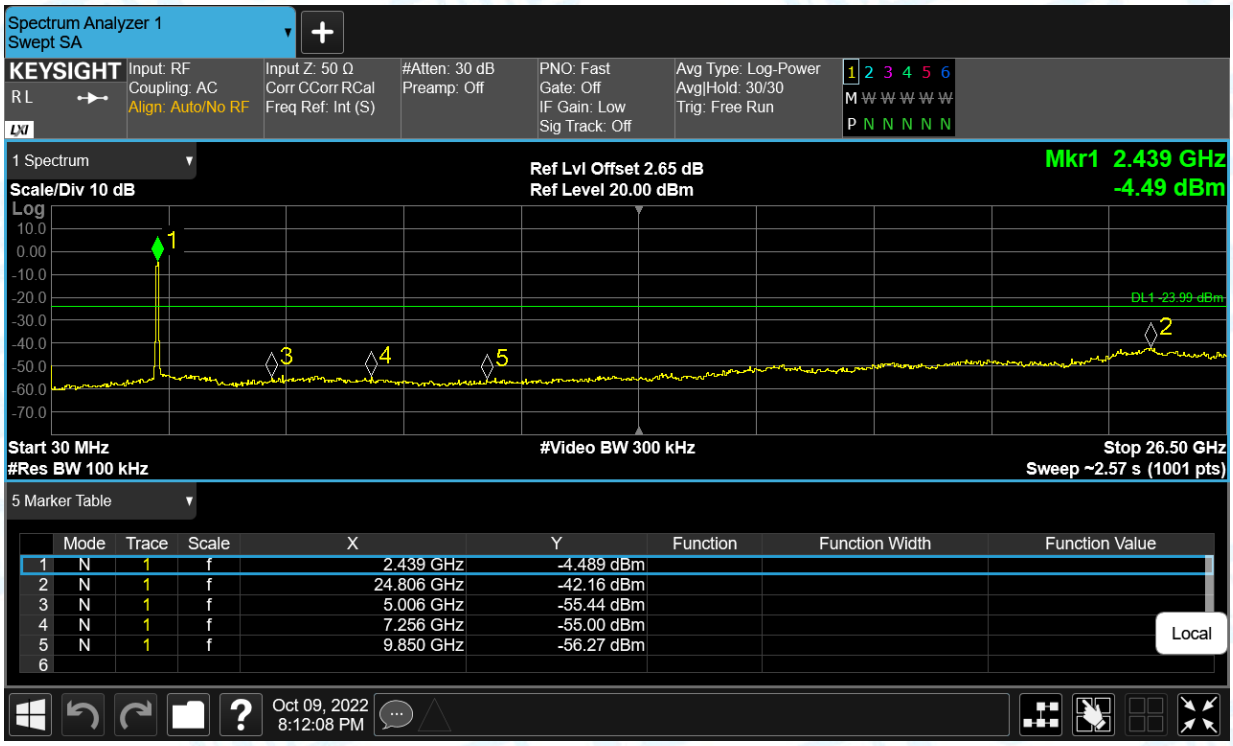

Tx. Spurious NVNT n(HT20) 2462MHz Ant1 Emission



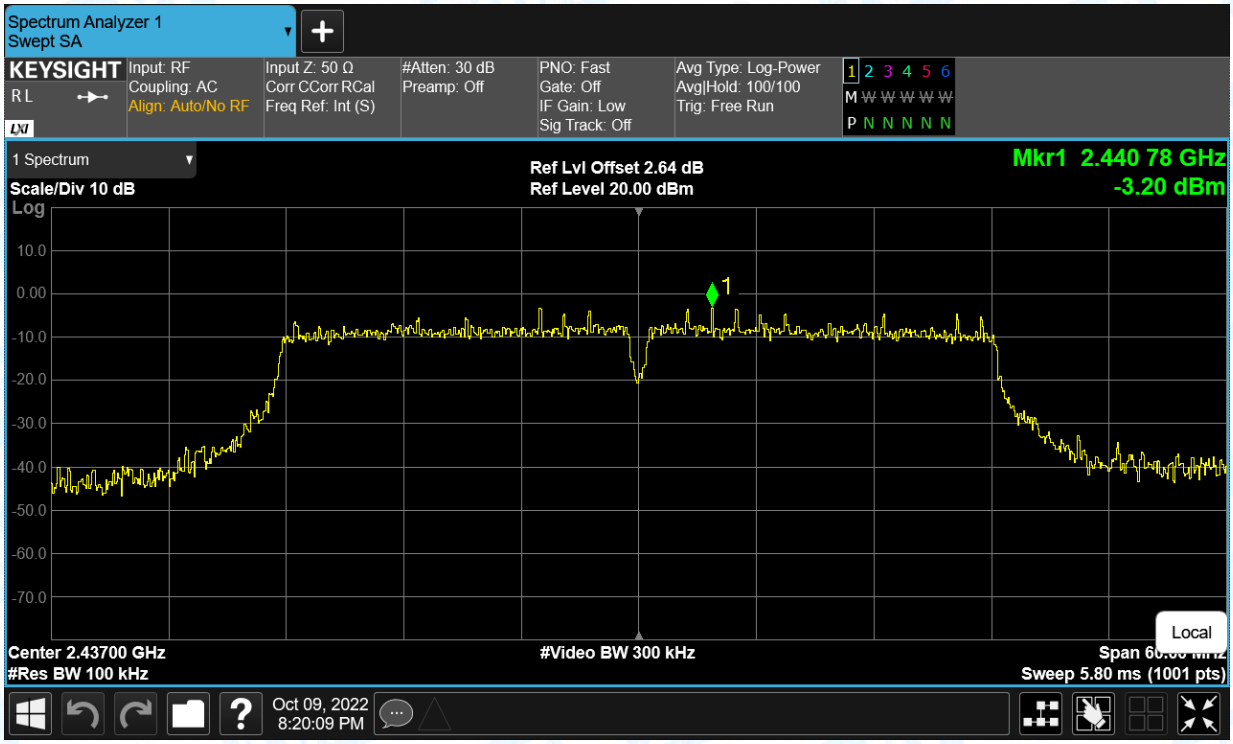
Tx. Spurious NVNT n(HT40) 2422MHz Ant1 Ref



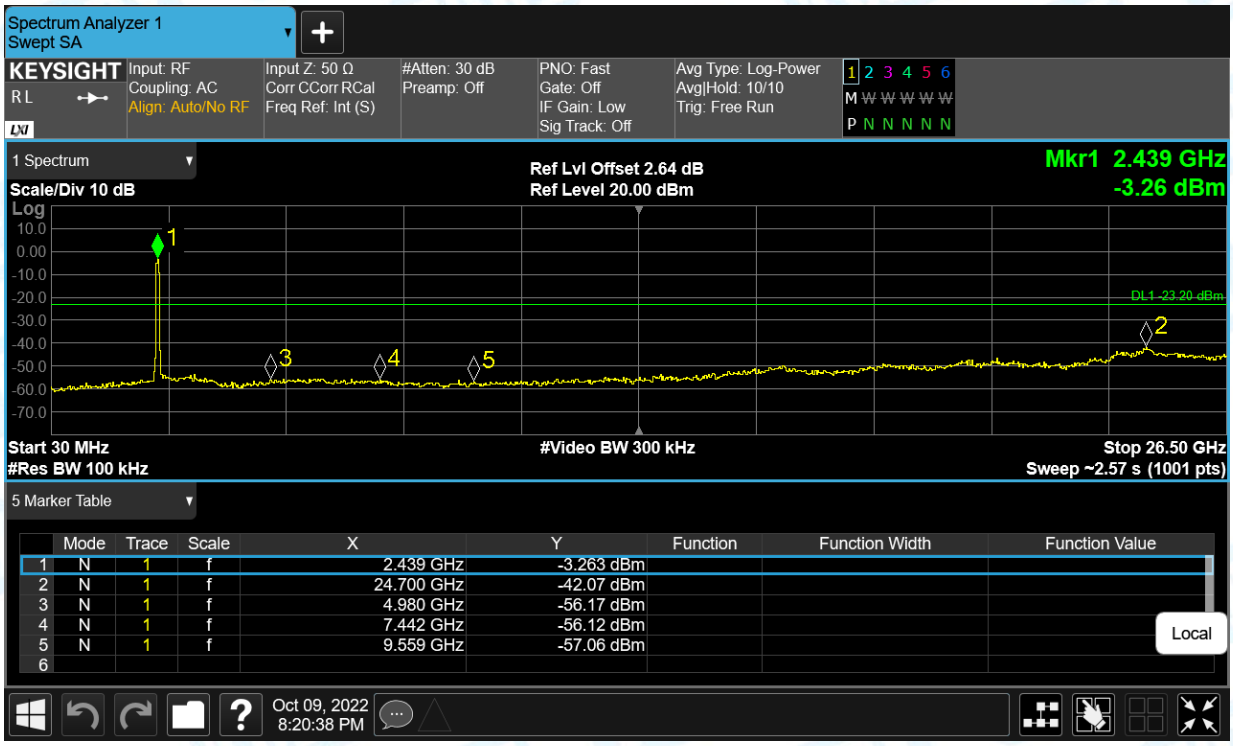

Tx. Spurious NVNT n(HT40) 2422MHz Ant1 Emission



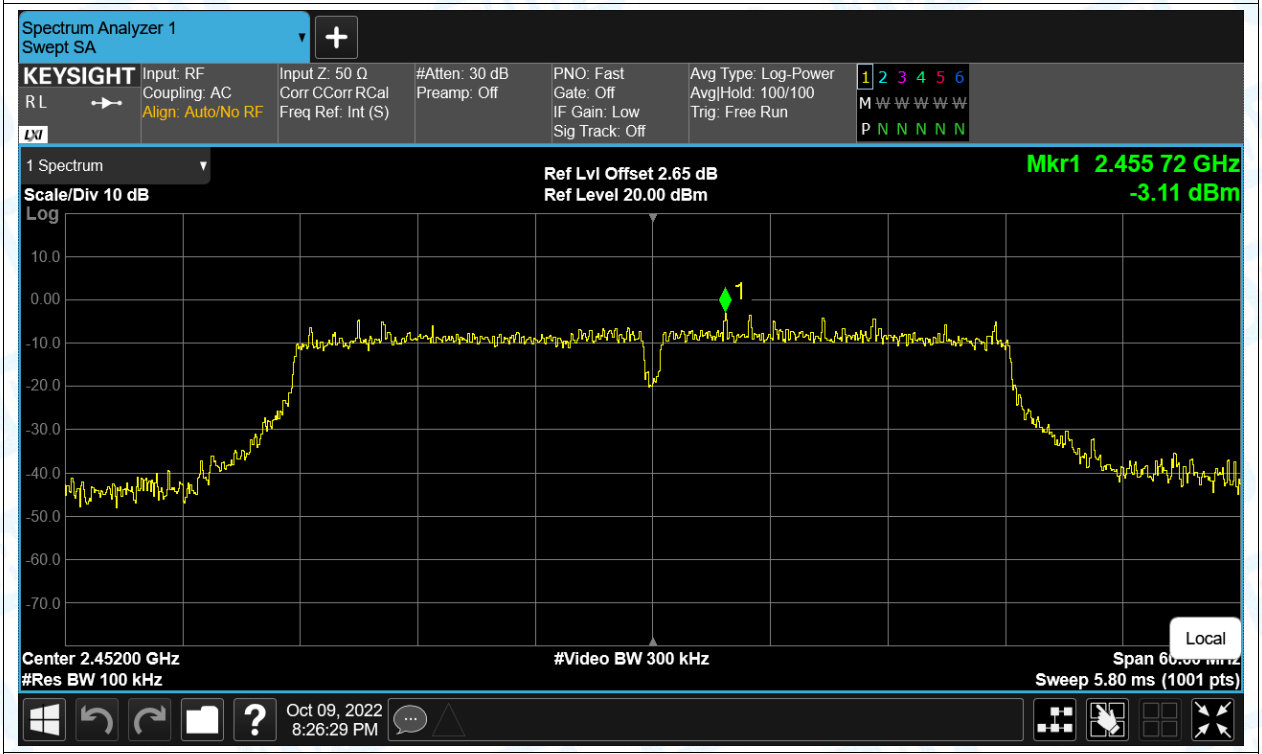
Tx. Spurious NVNT n(HT40) 2437MHz Ant1 Ref



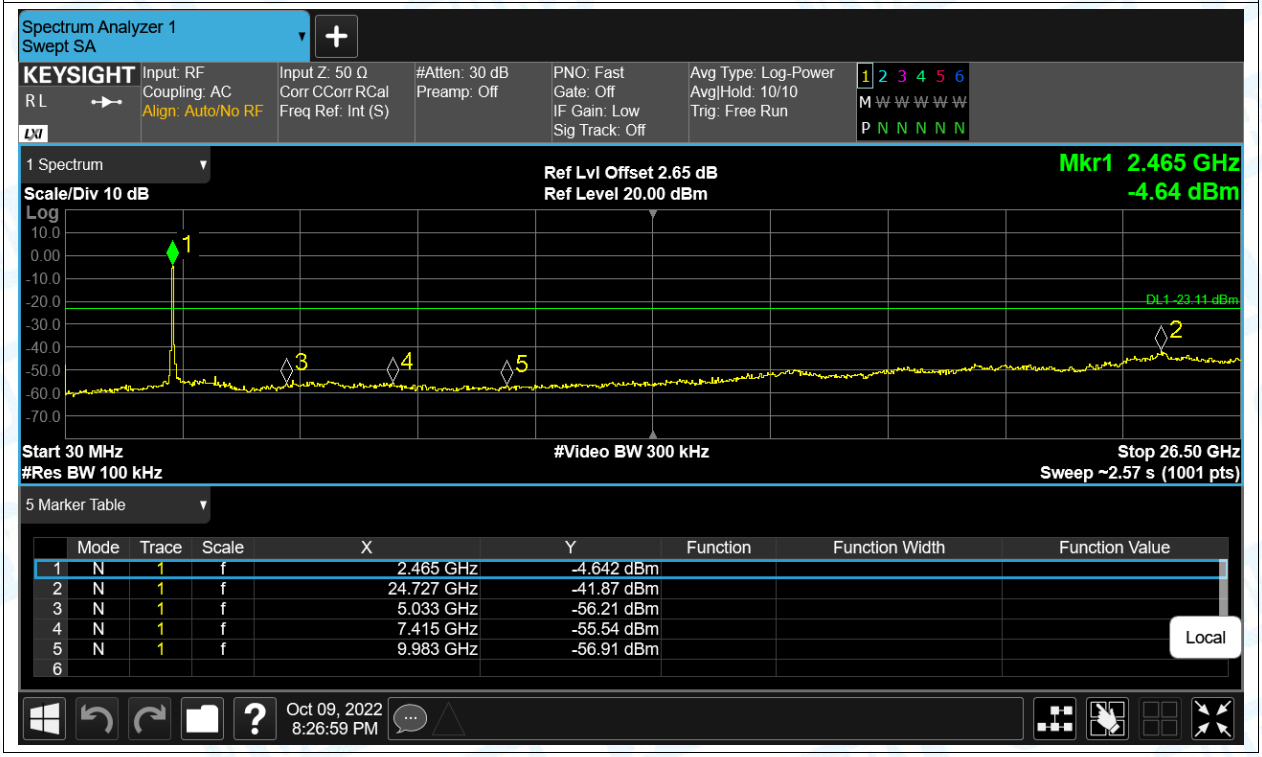

Tx. Spurious NVNT n(HT40) 2437MHz Ant1 Emission



Tx. Spurious NVNT n(HT40) 2452MHz Ant1 Ref




Tx. Spurious NVNT n(HT40) 2452MHz Ant1 Emission



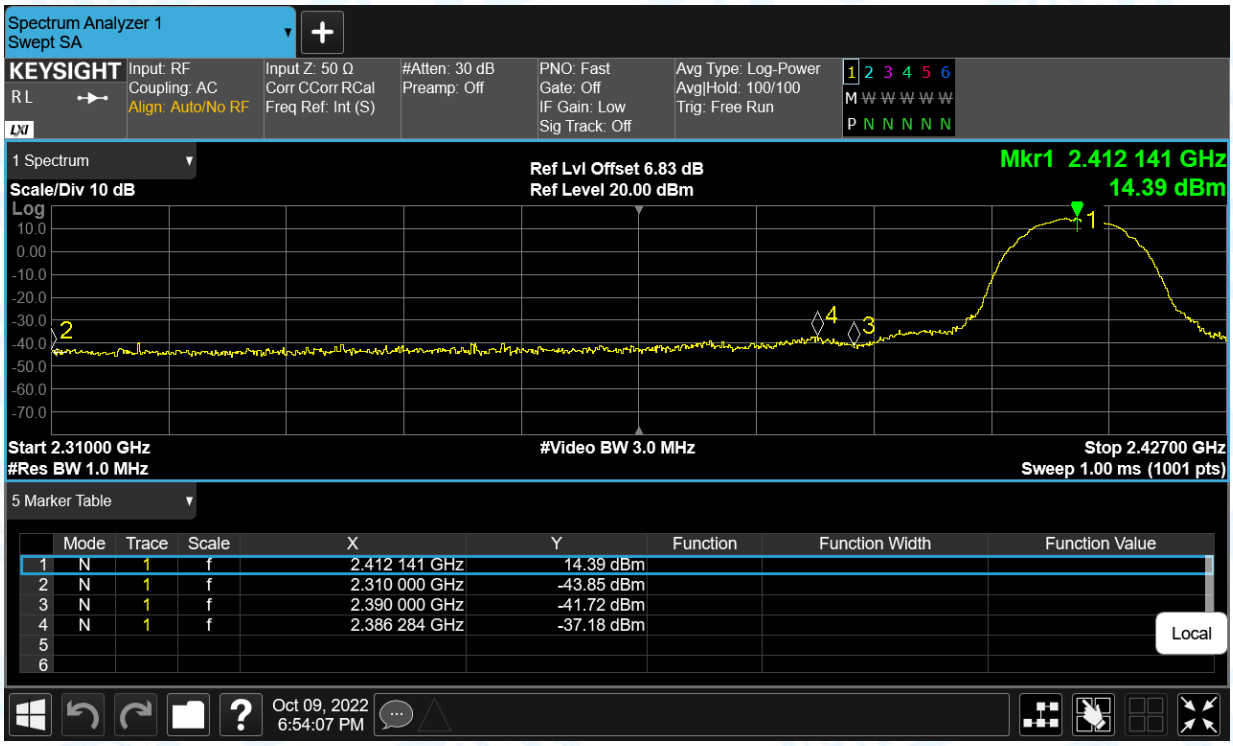
# 8. Restrict Band

| Condition | Mode | Frequency (MHz) | Antenna | Spur Freq (MHz) | Power (dBm) | Gain (dBi) | E (dBuV/m) | Detector | Limit (dBuV/m) | Verdict |
|---|---|---|---|---|---|---|---|---|---|---|
| NVNT | b | 2412 | Ant1 | 2310 | -43.85 | 4.16 | 55.57 | Peak | 74 | Pass |
| NVNT | b | 2412 | Ant1 | 2310 | -53.05 | 4.16 | 46.37 | Average | 54 | Pass |
| NVNT | b | 2412 | Ant1 | 2386.284 | -37.18 | 4.16 | 62.24 | Peak | 74 | Pass |
| NVNT | b | 2412 | Ant1 | 2385.699 | -45.62 | 4.16 | 53.8 | Average | 54 | Pass |
| NVNT | b | 2412 | Ant1 | 2390 | -41.72 | 4.16 | 57.7 | Peak | 74 | Pass |
| NVNT | b | 2412 | Ant1 | 2390 | -50.48 | 4.16 | 48.94 | Average | 54 | Pass |
| NVNT | b | 2462 | Ant1 | 2483.5 | -40.54 | 4.16 | 58.88 | Peak | 74 | Pass |
| NVNT | b | 2462 | Ant1 | 2483.5 | -49.73 | 4.16 | 49.69 | Average | 54 | Pass |
| NVNT | b | 2462 | Ant1 | 2488.817 | -37.18 | 4.16 | 62.24 | Peak | 74 | Pass |
| NVNT | b | 2462 | Ant1 | 2488.605 | -45.6 | 4.16 | 53.82 | Average | 54 | Pass |
| NVNT | b | 2462 | Ant1 | 2500 | -38.4 | 4.16 | 61.02 | Peak | 74 | Pass |
| NVNT | b | 2462 | Ant1 | 2500 | -49.32 | 4.16 | 50.1 | Average | 54 | Pass |
| NVNT | g | 2412 | Ant1 | 2310 | -54.91 | 4.16 | 44.51 | Peak | 74 | Pass |
| NVNT | g | 2412 | Ant1 | 2310 | -64.67 | 4.16 | 34.75 | Average | 54 | Pass |
| NVNT | g | 2412 | Ant1 | 2386.869 | -51.43 | 4.16 | 47.99 | Peak | 74 | Pass |
| NVNT | g | 2412 | Ant1 | 2389.911 | -63.43 | 4.16 | 35.99 | Average | 54 | Pass |
| NVNT | g | 2412 | Ant1 | 2390 | -52.42 | 4.16 | 47 | Peak | 74 | Pass |
| NVNT | g | 2412 | Ant1 | 2390 | -63.23 | 4.16 | 36.19 | Average | 54 | Pass |
| NVNT | g | 2462 | Ant1 | 2483.5 | -44.59 | 4.16 | 54.83 | Peak | 74 | Pass |
| NVNT | g | 2462 | Ant1 | 2483.5 | -53.78 | 4.16 | 45.64 | Average | 54 | Pass |
| NVNT | g | 2462 | Ant1 | 2490.884 | -42.84 | 4.16 | 56.58 | Peak | 74 | Pass |
| NVNT | g | 2462 | Ant1 | 2483.57 | -53.6 | 4.16 | 45.82 | Average | 54 | Pass |
| NVNT | g | 2462 | Ant1 | 2500 | -45.47 | 4.16 | 53.95 | Peak | 74 | Pass |
| NVNT | g | 2462 | Ant1 | 2500 | -54.09 | 4.16 | 45.33 | Average | 54 | Pass |
| NVNT | n(HT20) | 2412 | Ant1 | 2310 | -45.76 | 4.16 | 53.66 | Peak | 74 | Pass |
| NVNT | n(HT20) | 2412 | Ant1 | 2310 | -54.63 | 4.16 | 44.79 | Average | 54 | Pass |
| NVNT | n(HT20) | 2412 | Ant1 | 2388.624 | -42.01 | 4.16 | 57.41 | Peak | 74 | Pass |
| NVNT | n(HT20) | 2412 | Ant1 | 2388.858 | -53.57 | 4.16 | 45.85 | Average | 54 | Pass |
| NVNT | n(HT20) | 2412 | Ant1 | 2390 | -42.69 | 4.16 | 56.73 | Peak | 74 | Pass |
| NVNT | n(HT20) | 2412 | Ant1 | 2390 | -53.71 | 4.16 | 45.71 | Average | 54 | Pass |
| NVNT | n(HT20) | 2462 | Ant1 | 2483.5 | -41.68 | 4.16 | 57.74 | Peak | 74 | Pass |
| NVNT | n(HT20) | 2462 | Ant1 | 2483.5 | -53.62 | 4.16 | 45.8 | Average | 54 | Pass |
| NVNT | n(HT20) | 2462 | Ant1 | 2483.517 | -41.68 | 4.16 | 57.74 | Peak | 74 | Pass |
| NVNT | n(HT20) | 2462 | Ant1 | 2487.227 | -53.5 | 4.16 | 45.92 | Average | 54 | Pass |
| NVNT | n(HT20) | 2462 | Ant1 | 2500 | -45.41 | 4.16 | 54.01 | Peak | 74 | Pass |
| NVNT | n(HT20) | 2462 | Ant1 | 2500 | -54.3 | 4.16 | 45.12 | Average | 54 | Pass |
| NVNT | n(HT40) | 2422 | Ant1 | 2310 | -44.6 | 4.16 | 54.82 | Peak | 74 | Pass |
| NVNT | n(HT40) | 2422 | Ant1 | 2310 | -54.63 | 4.16 | 44.79 | Average | 54 | Pass |
| NVNT | n(HT40) | 2422 | Ant1 | 2341.24 | -42.04 | 4.16 | 57.38 | Peak | 74 | Pass |
| NVNT | n(HT40) | 2422 | Ant1 | 2355.724 | -53.95 | 4.16 | 45.47 | Average | 54 | Pass |
| NVNT | n(HT40) | 2422 | Ant1 | 2390 | -44.85 | 4.16 | 54.57 | Peak | 74 | Pass |
| NVNT | n(HT40) | 2422 | Ant1 | 2390 | -54.45 | 4.16 | 44.97 | Average | 54 | Pass |
| NVNT | n(HT40) | 2452 | Ant1 | 2483.5 | -44.2 | 4.16 | 55.22 | Peak | 74 | Pass |

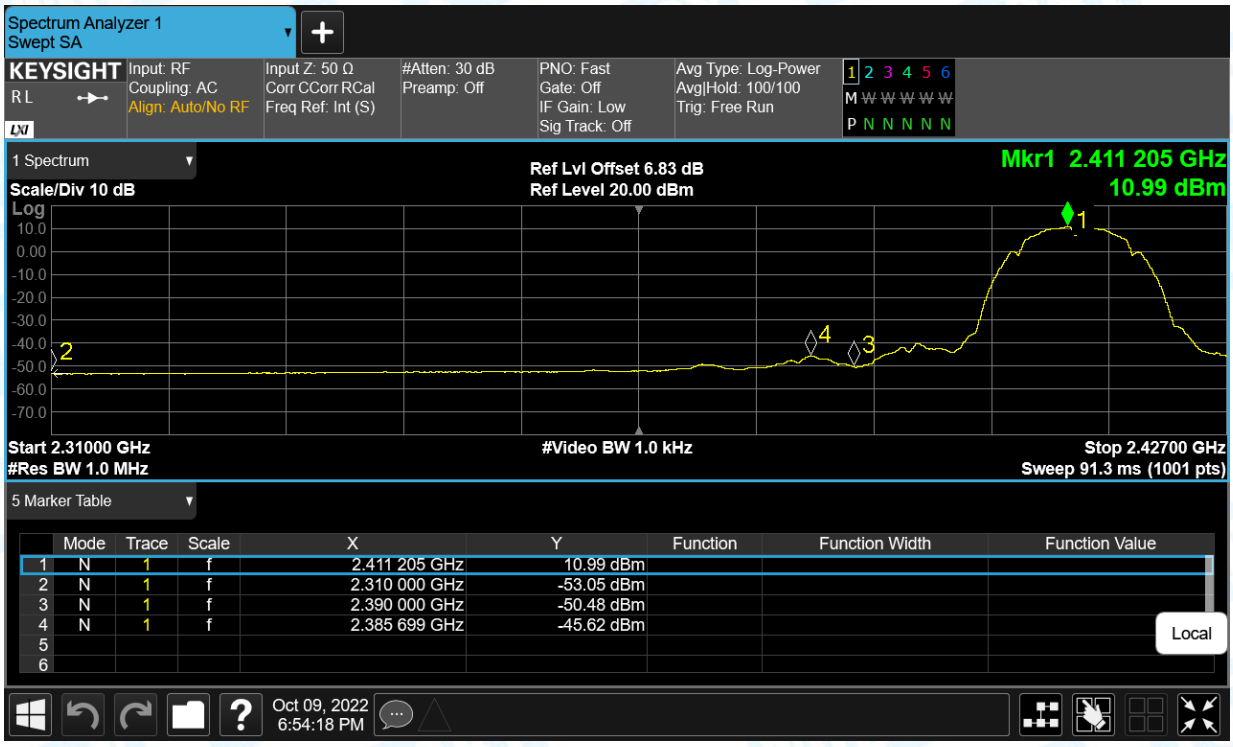
| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| NVNT | n(HT40) | 2452 | Ant1 | 2483.5 | -54.11 | 4.16 | 45.31 | Average | 54 | Pass |
| NVNT | n(HT40) | 2452 | Ant1 | 2485.726 | -43.06 | 4.16 | 56.36 | Peak | 74 | Pass |
| NVNT | n(HT40) | 2452 | Ant1 | 2487.91 | -53.82 | 4.16 | 45.6 | Average | 54 | Pass |
| NVNT | n(HT40) | 2452 | Ant1 | 2500 | -45.1 | 4.16 | 54.32 | Peak | 74 | Pass |
| NVNT | n(HT40) | 2452 | Ant1 | 2500 | -53.97 | 4.16 | 45.45 | Average | 54 | Pass |

Test Graphs

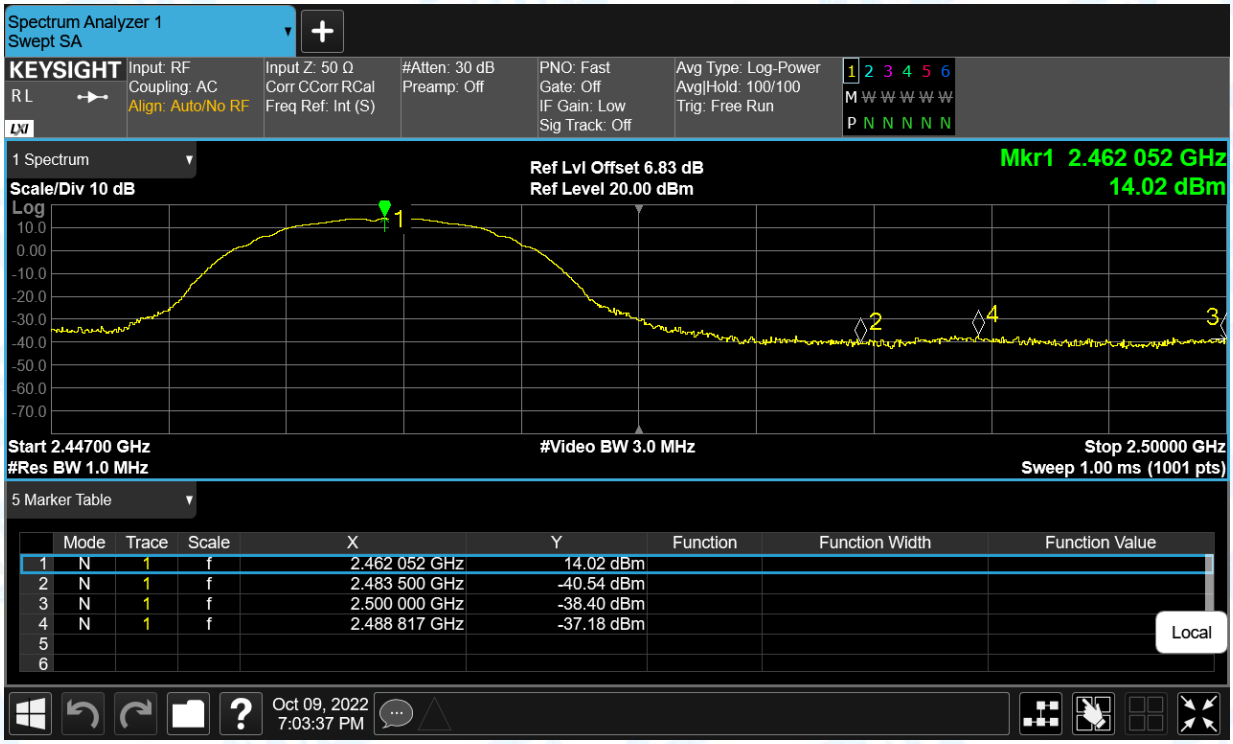
Restrict Band NVNT b 2412MHz Ant1 Peak



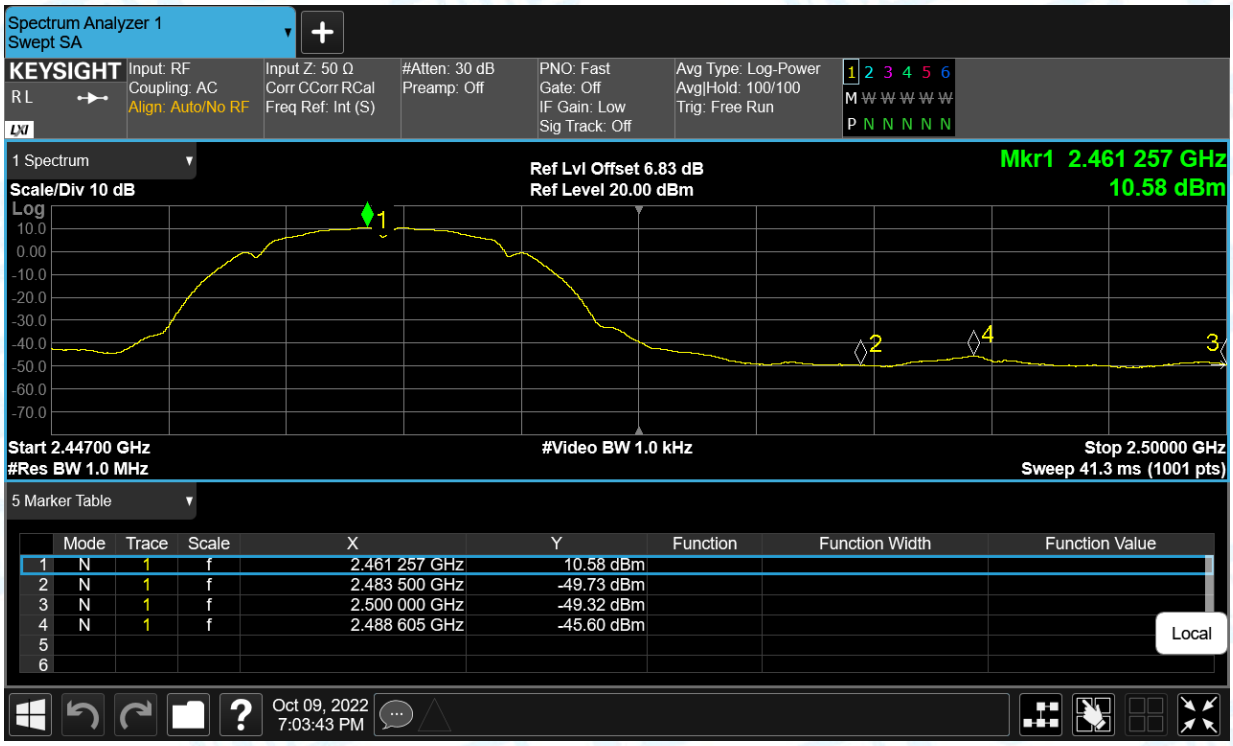

Restrict Band NVNT b 2412MHz Ant1 Average



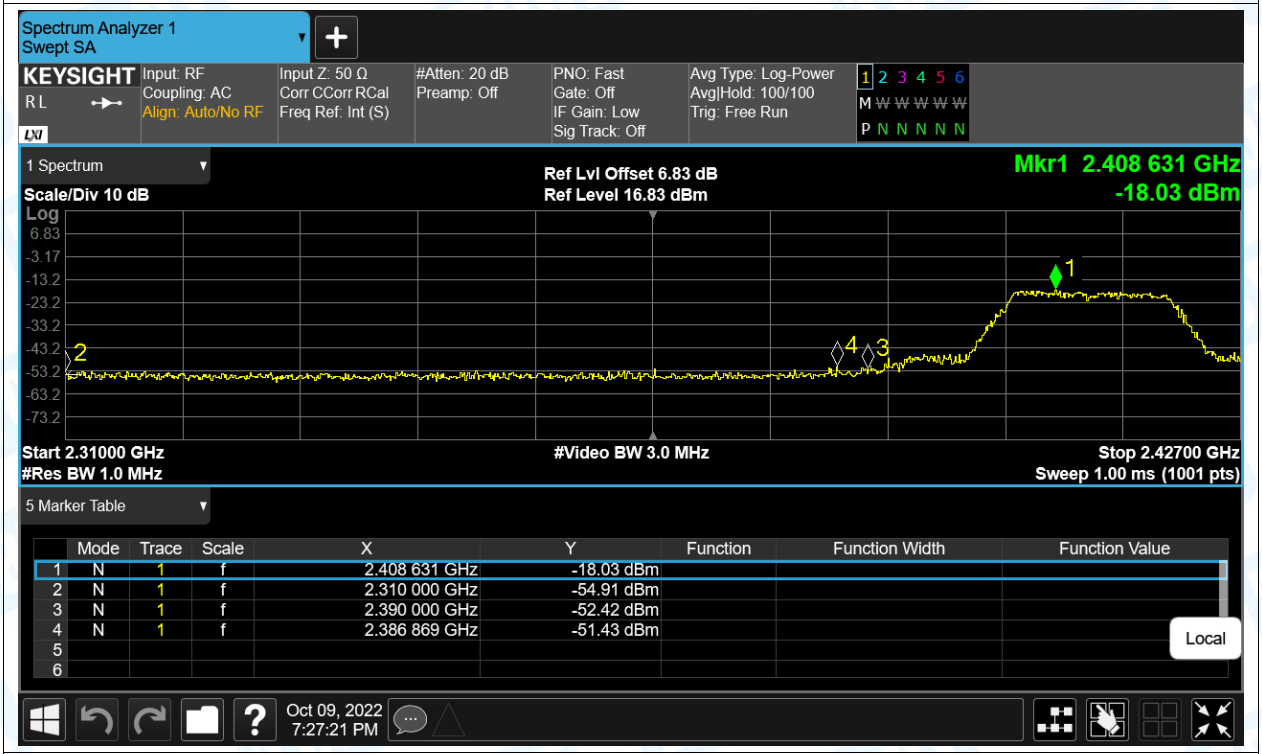
Restrict Band NVNT b 2462MHz Ant1 Peak



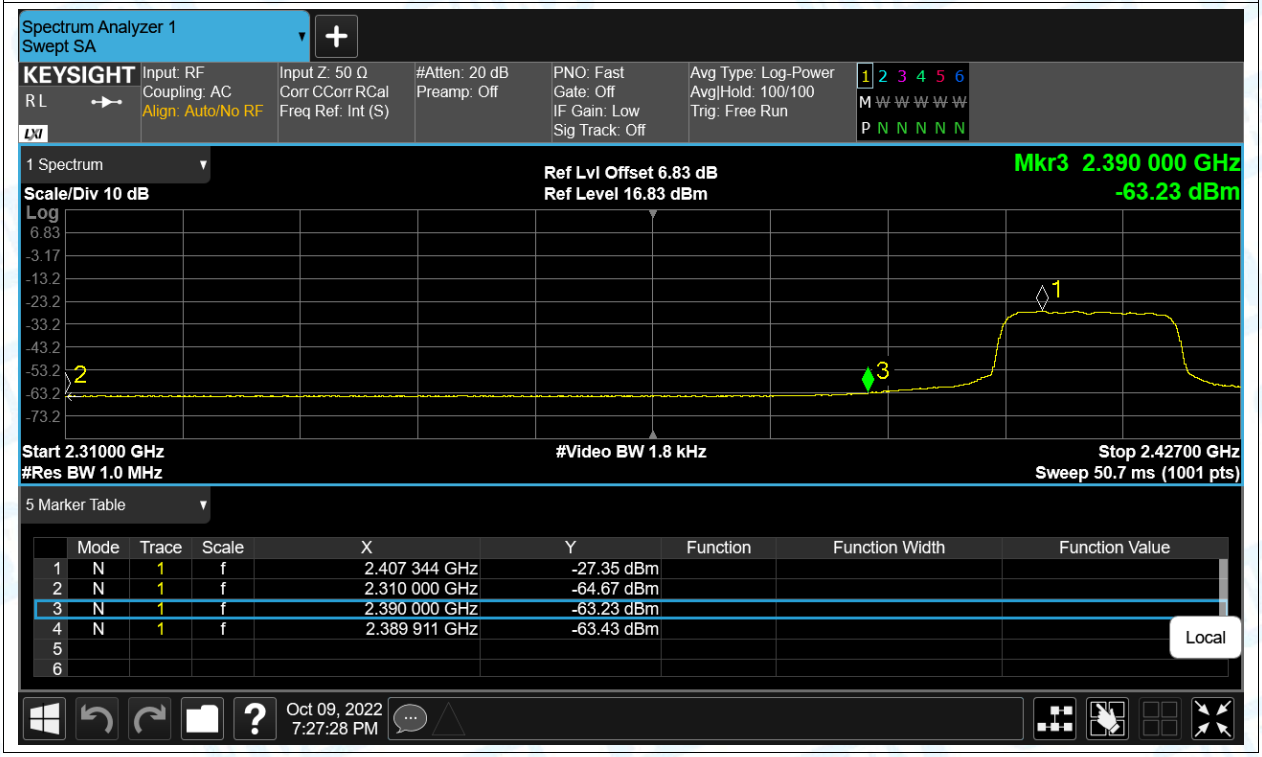

Restrict Band NVNT b 2462MHz Ant1 Average



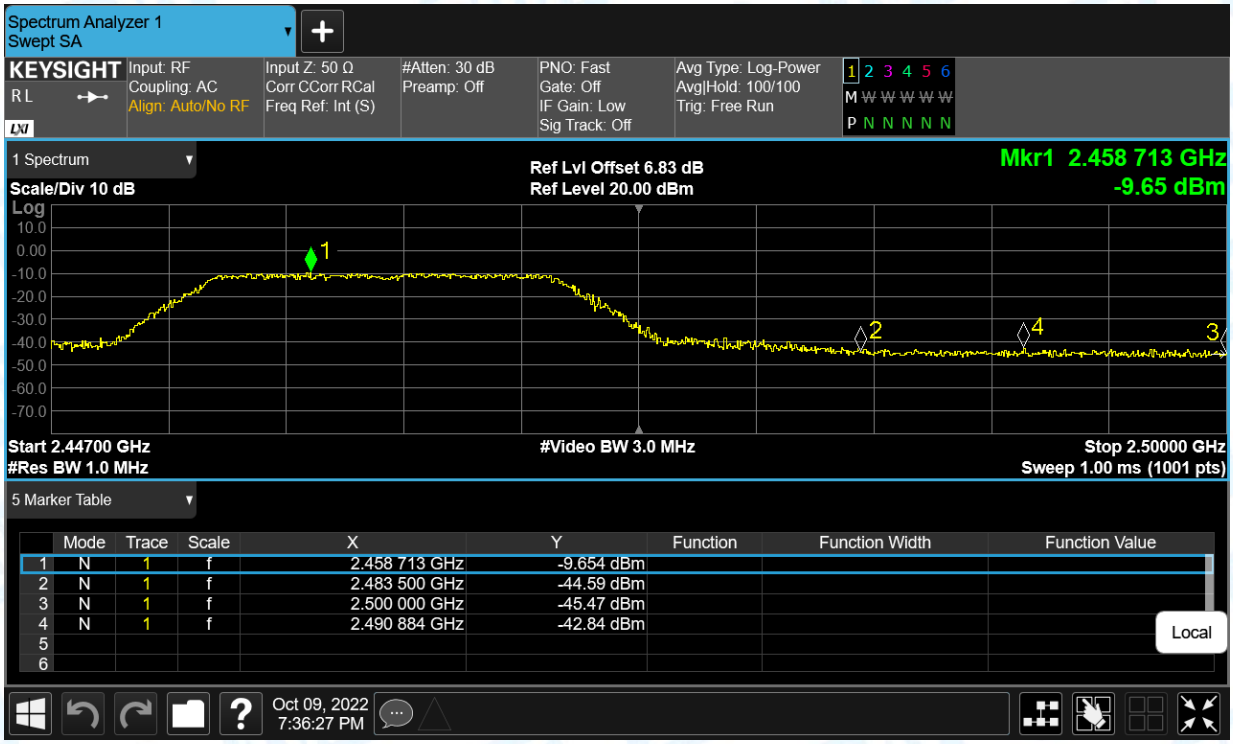
Restrict Band NVNT g 2412MHz Ant1 Peak



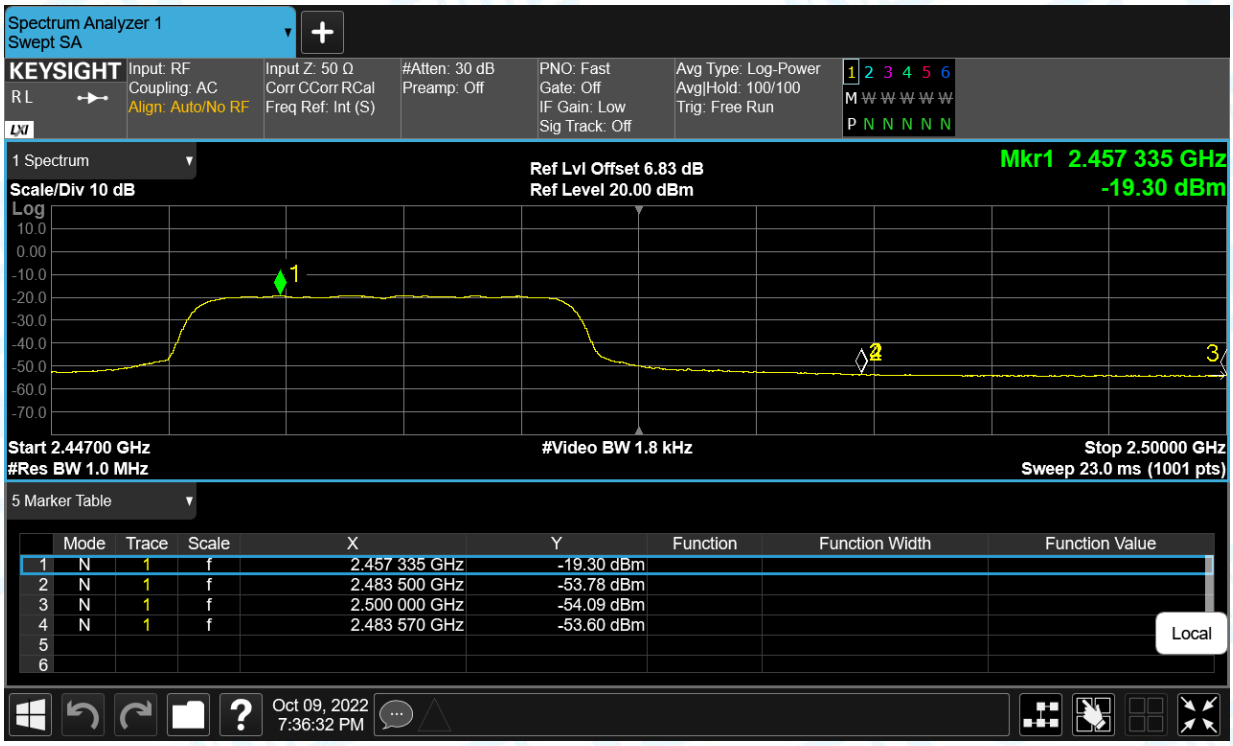

Restrict Band NVNT g 2412MHz Ant1 Average



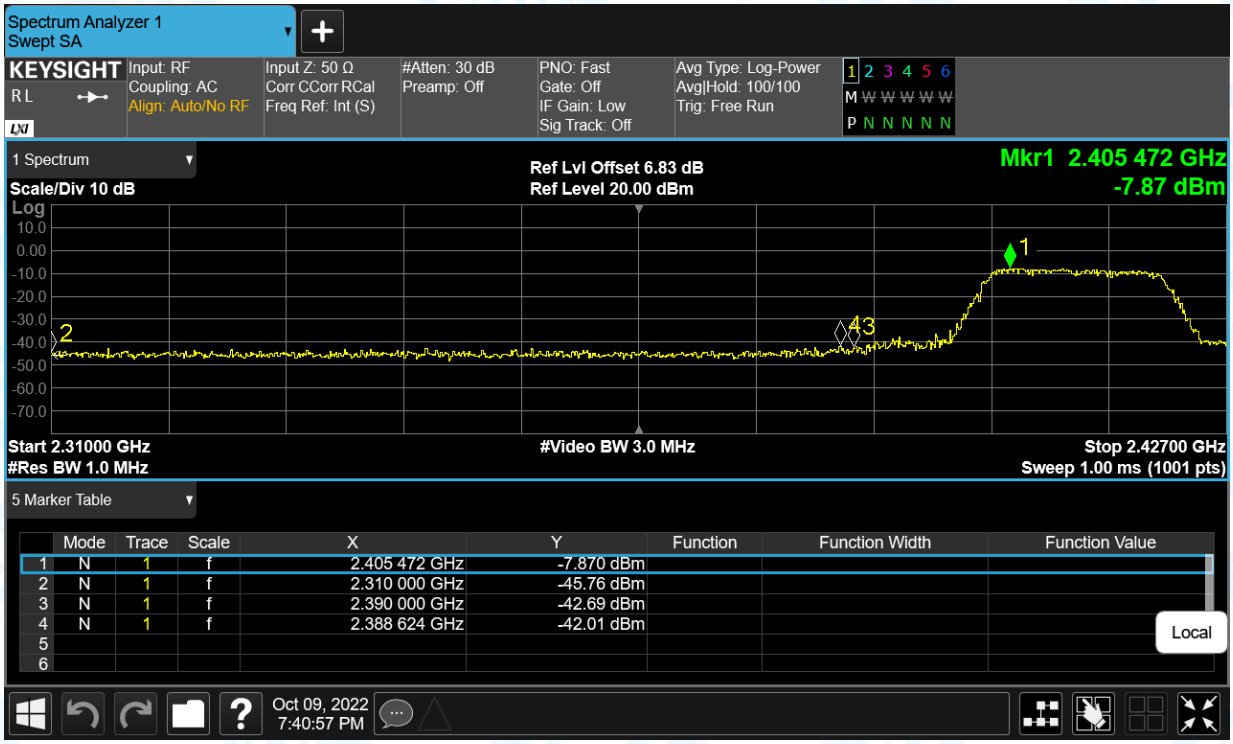
Restrict Band NVNT g 2462MHz Ant1 Peak



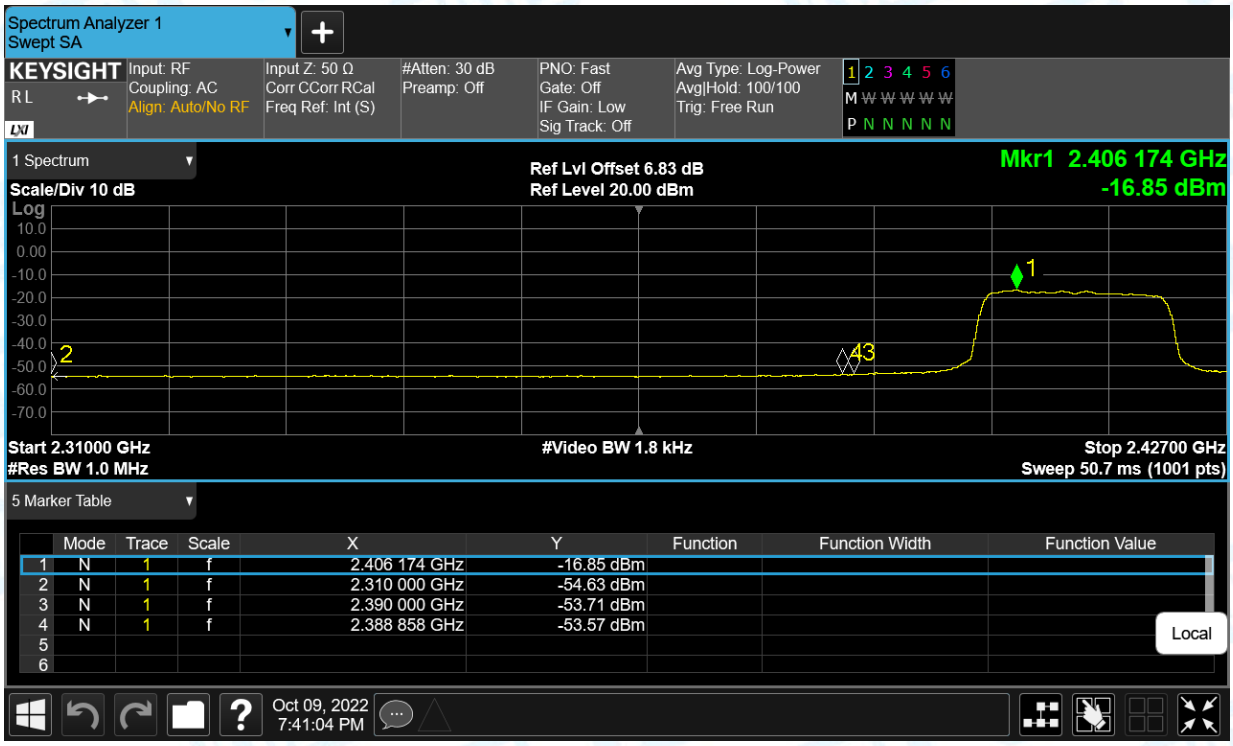

Restrict Band NVNT g 2462MHz Ant1 Average



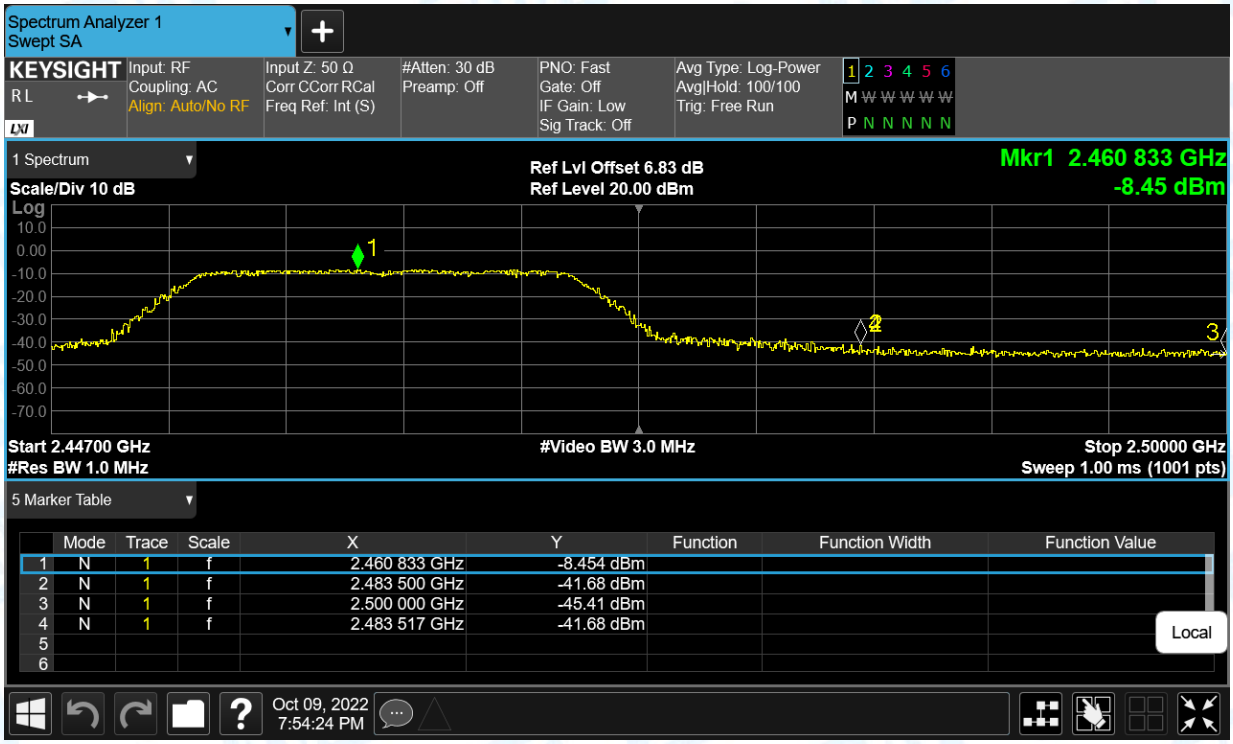
Restrict Band NVNT n(HT20) 2412MHz Ant1 Peak



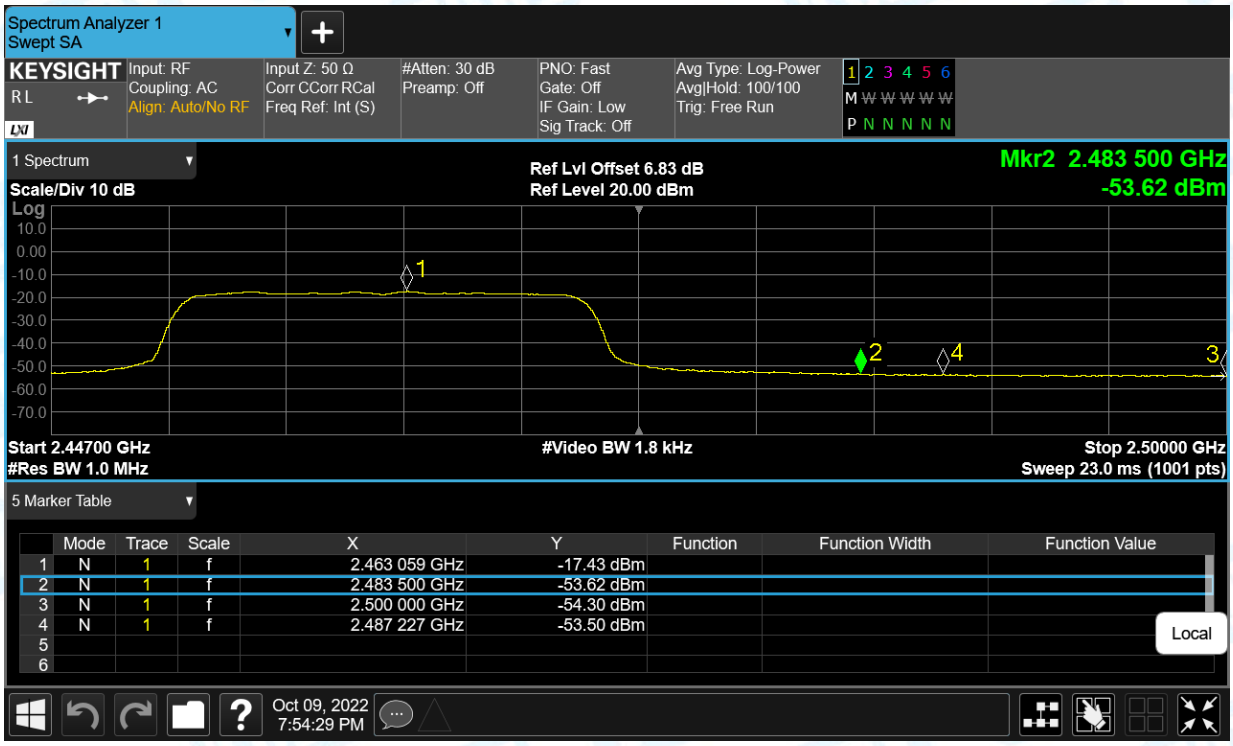

Restrict Band NVNT n(HT20) 2412MHz Ant1 Average



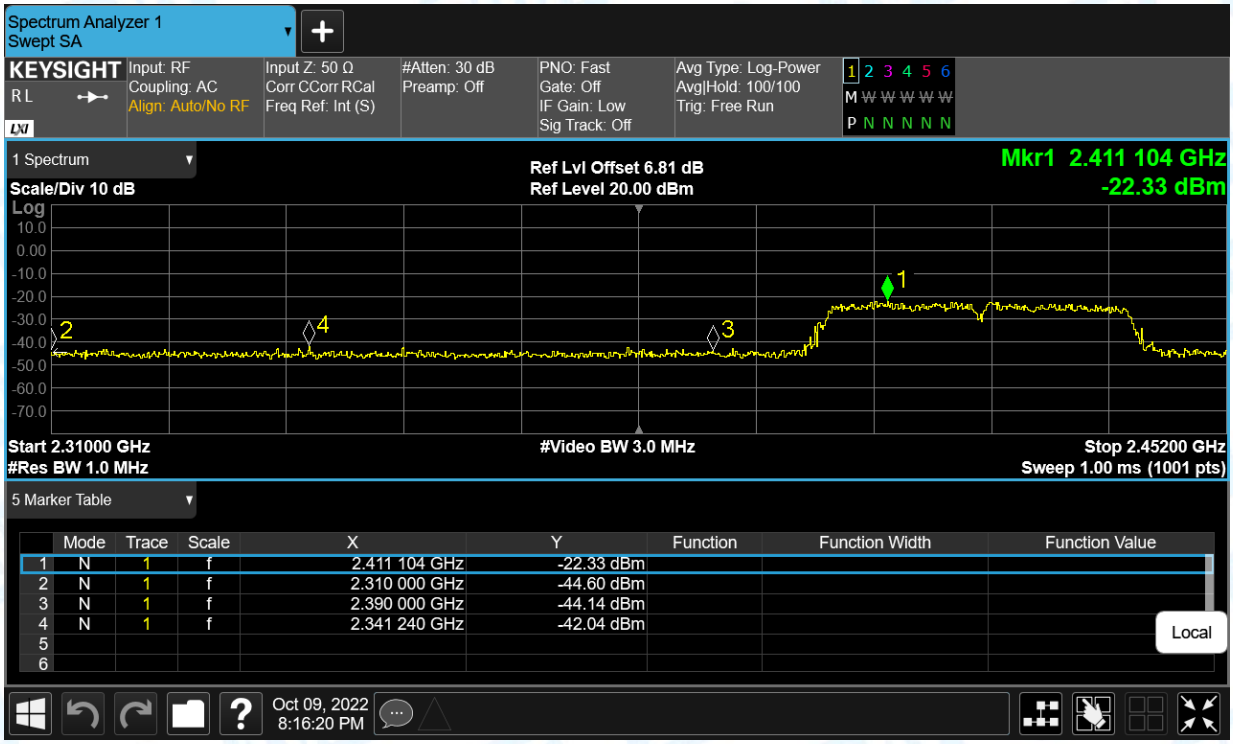
Restrict Band NVNT n(HT20) 2462MHz Ant1 Peak



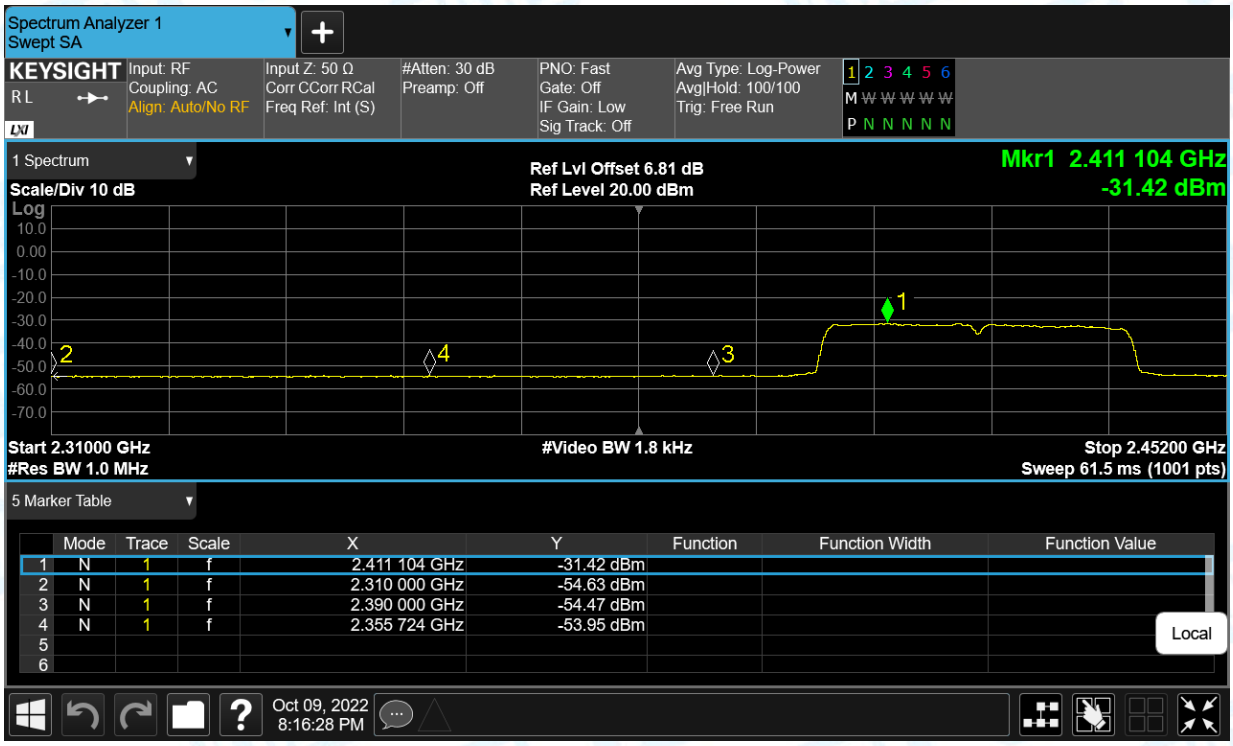

Restrict Band NVNT n(HT20) 2462MHz Ant1 Average



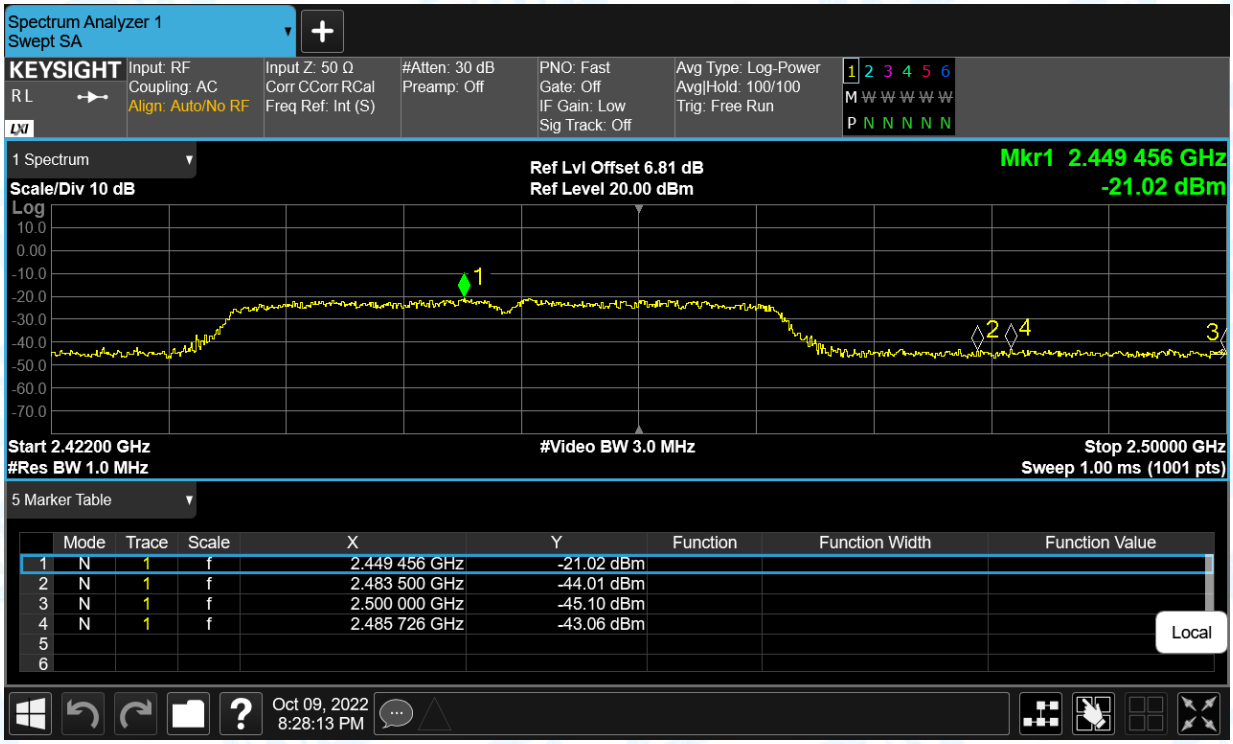
Restrict Band NVNT n(HT40) 2422MHz Ant1 Peak



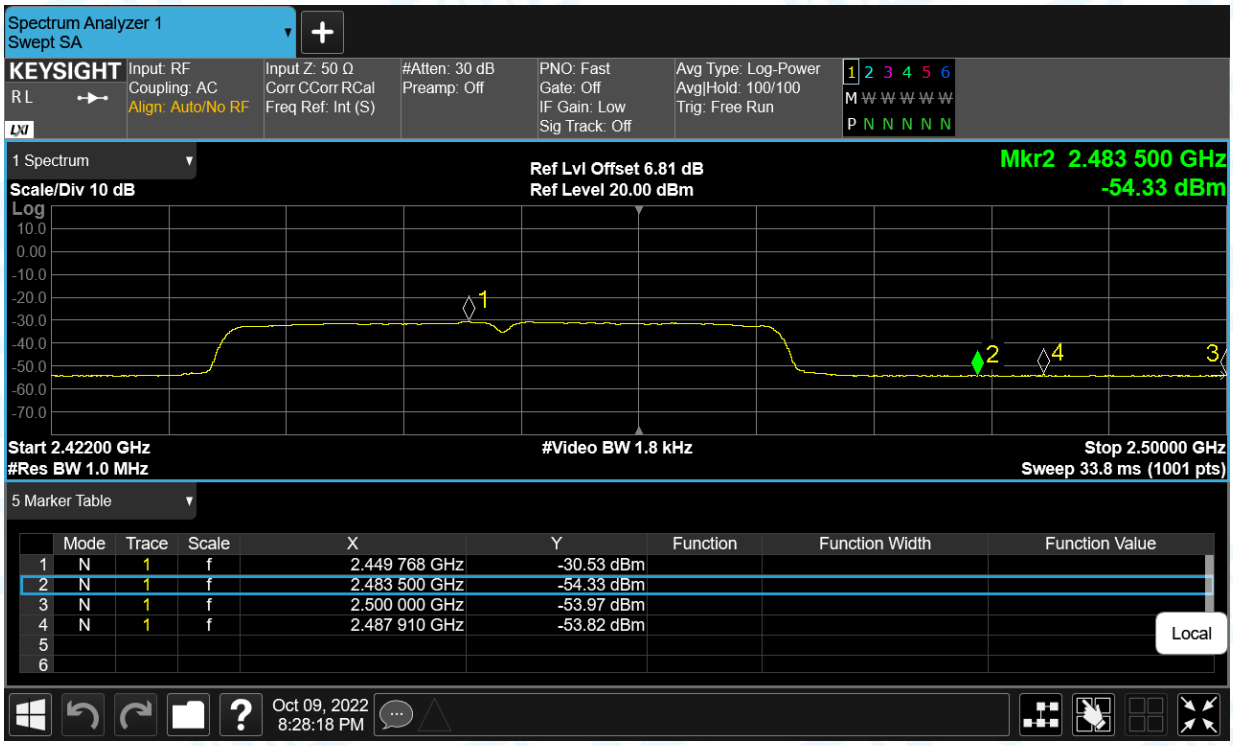

Restrict Band NVNT n(HT40) 2422MHz Ant1 Average



Restrict Band NVNT n(HT40) 2452MHz Ant1 Peak




Restrict Band NVNT n(HT40) 2452MHz Ant1 Average




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