

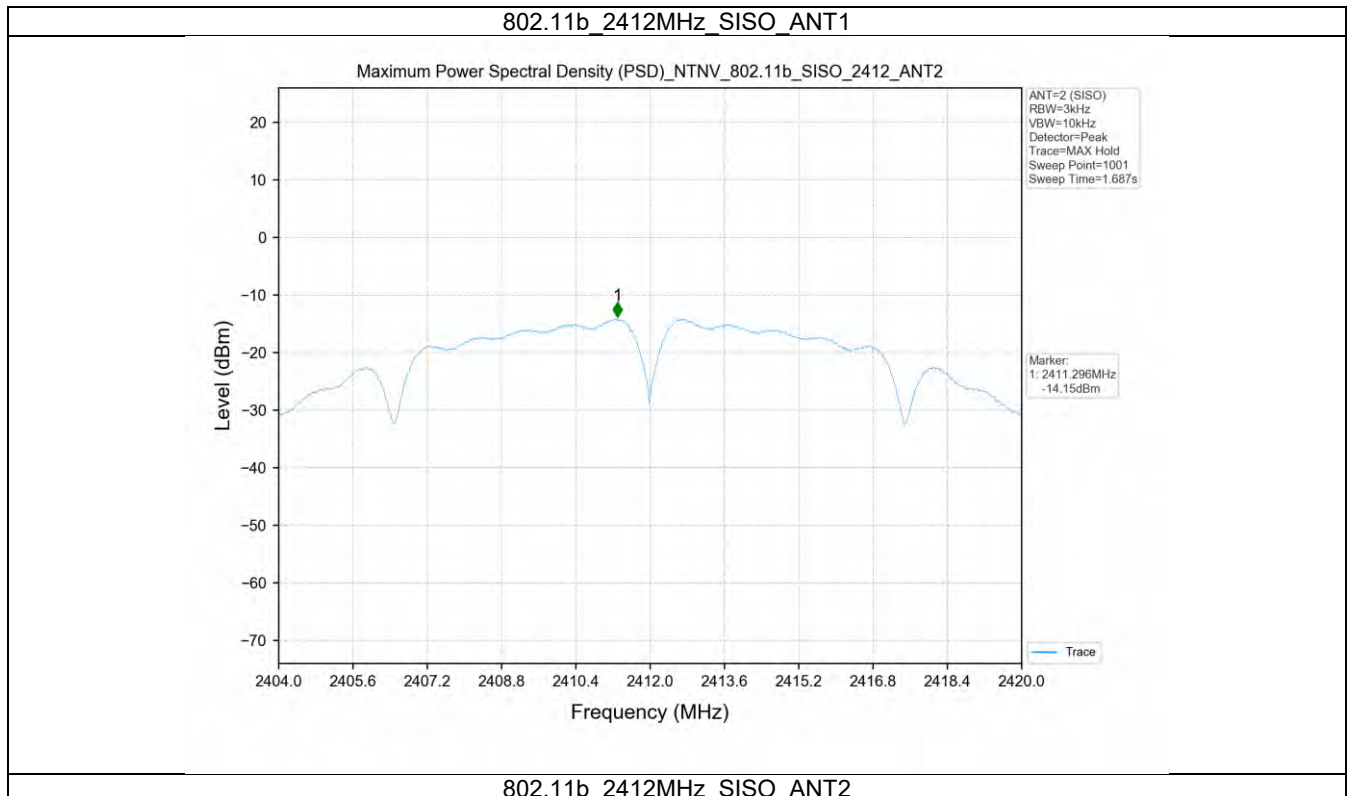


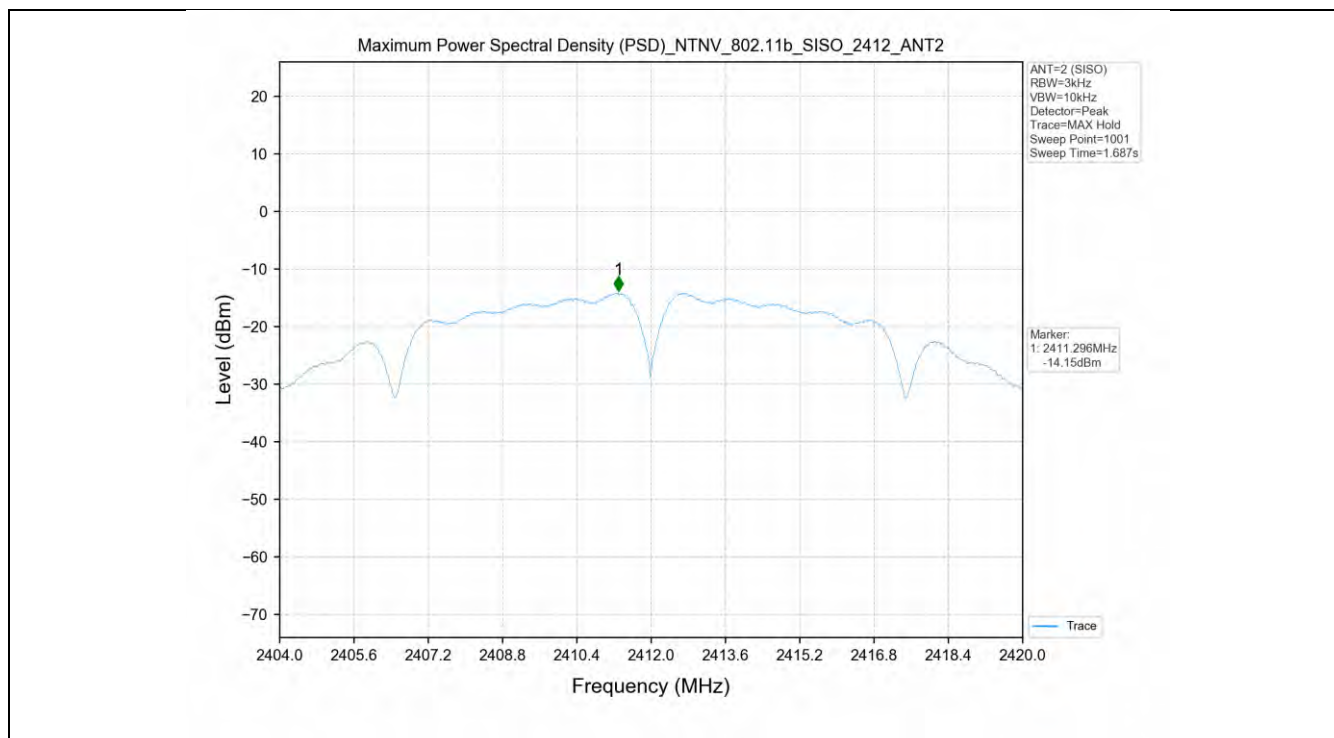
4. Maximum Power Spectral Density (PSD)

4.1 Test Result

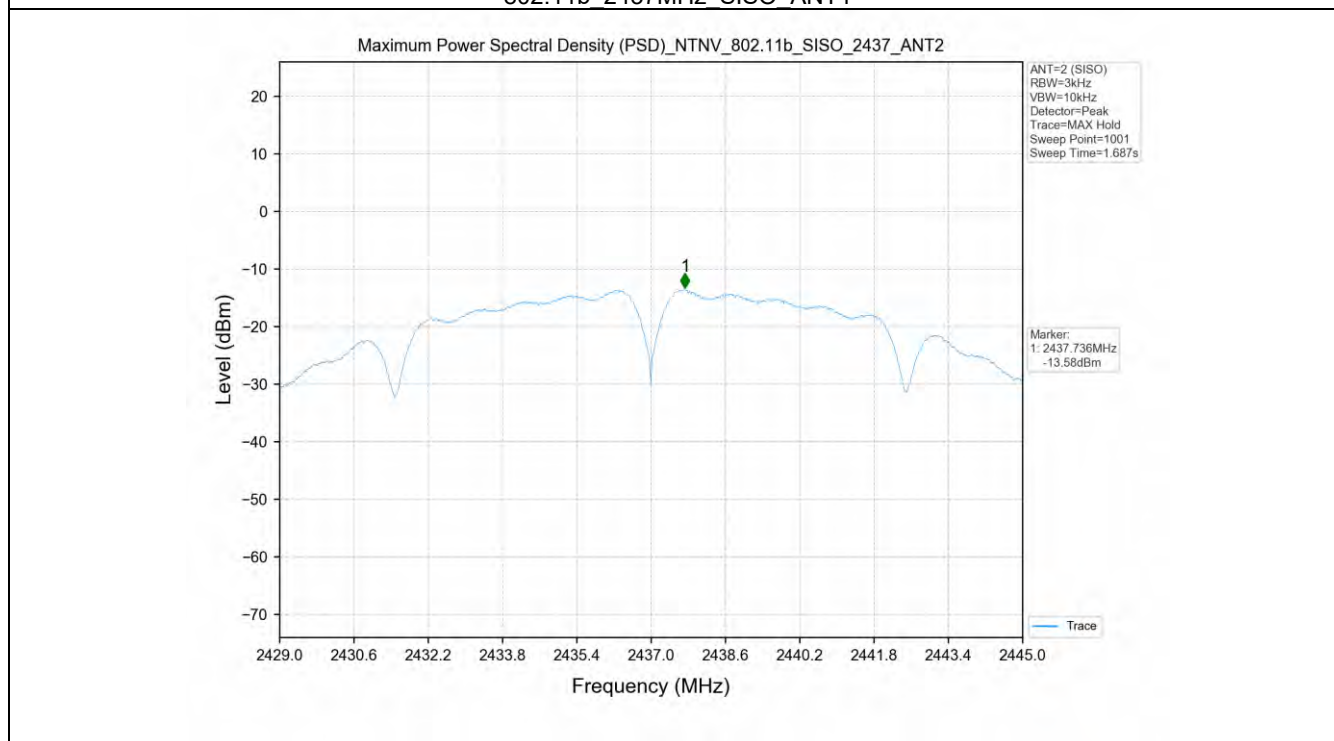
| Test Mode | Frequency (MHz) | Tx Type | Maximum Power Spectral Density (dBm/3KHz) | | | Limits (dBm/3kHz) | Verdict |
|---------------|-----------------|---------|---|--------|--------|-------------------|---------|
| | | | Ant 1 | Ant 2 | Total | | |
| 802.11b | 2412 | SISO | -12.15 | -14.15 | / | ≤8 | PASS |
| | 2437 | SISO | -11.90 | -13.58 | / | ≤8 | PASS |
| | 2462 | SISO | -12.01 | -12.63 | / | ≤8 | PASS |
| 802.11g | 2412 | SISO | -11.47 | -13.11 | / | ≤8 | PASS |
| | 2437 | SISO | -11.60 | -12.91 | / | ≤8 | PASS |
| | 2462 | SISO | -11.48 | -12.19 | / | ≤8 | PASS |
| 802.11n(HT20) | 2412 | SISO | -11.40 | -12.68 | / | ≤8 | PASS |
| | | MIMO | -14.64 | -14.99 | -11.80 | ≤8 | PASS |
| | 2437 | SISO | -11.63 | -12.50 | / | ≤8 | PASS |
| | | MIMO | -12.25 | -13.34 | -9.75 | ≤8 | PASS |
| | 2462 | SISO | -11.00 | -11.48 | / | ≤8 | PASS |
| | | MIMO | -13.98 | -14.92 | -11.41 | ≤8 | PASS |
| 802.11n(HT40) | 2422 | SISO | -12.37 | -14.47 | / | ≤8 | PASS |
| | | MIMO | -14.35 | -16.30 | -12.21 | ≤8 | PASS |
| | 2437 | SISO | -12.73 | -14.83 | / | ≤8 | PASS |
| | | MIMO | -14.05 | -16.46 | -12.83 | ≤8 | PASS |
| | 2452 | SISO | -14.52 | -14.80 | / | ≤8 | PASS |
| | | MIMO | -13.62 | -16.45 | -12.10 | ≤8 | PASS |

4.2 Test Graph

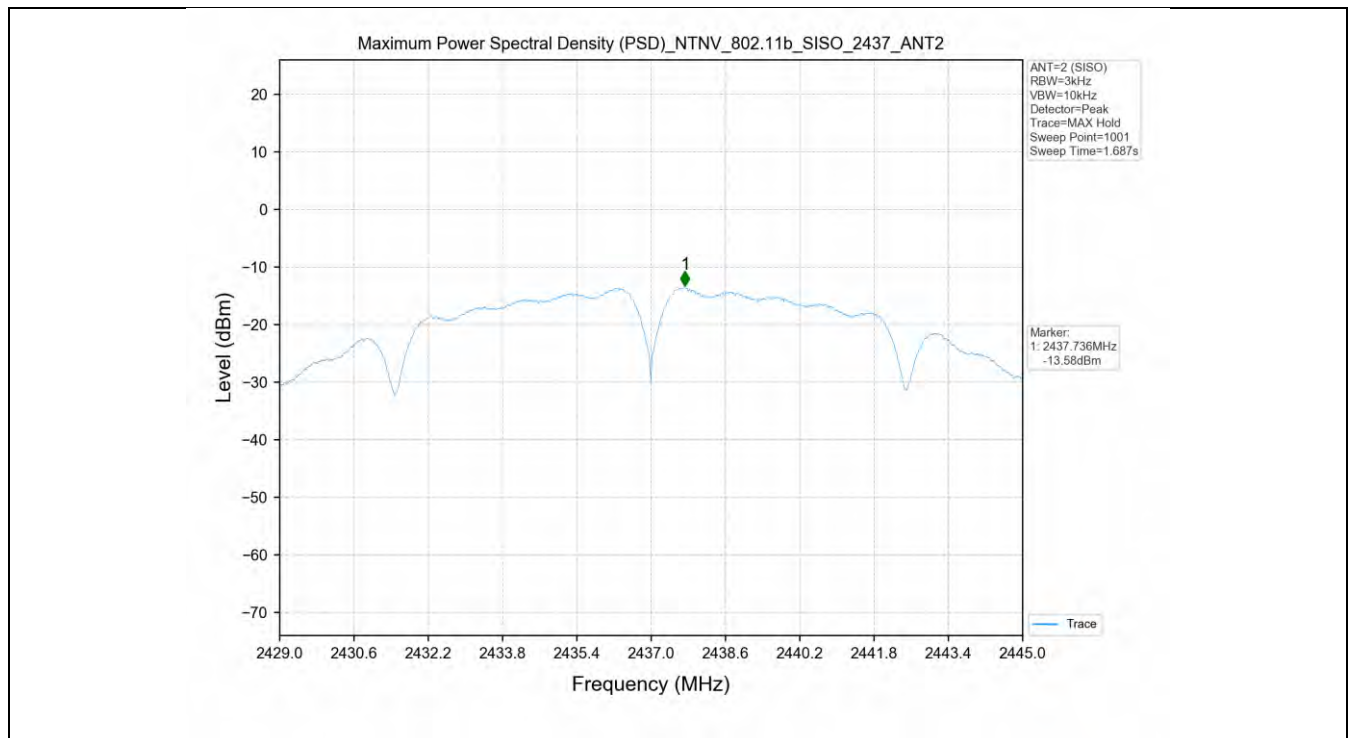




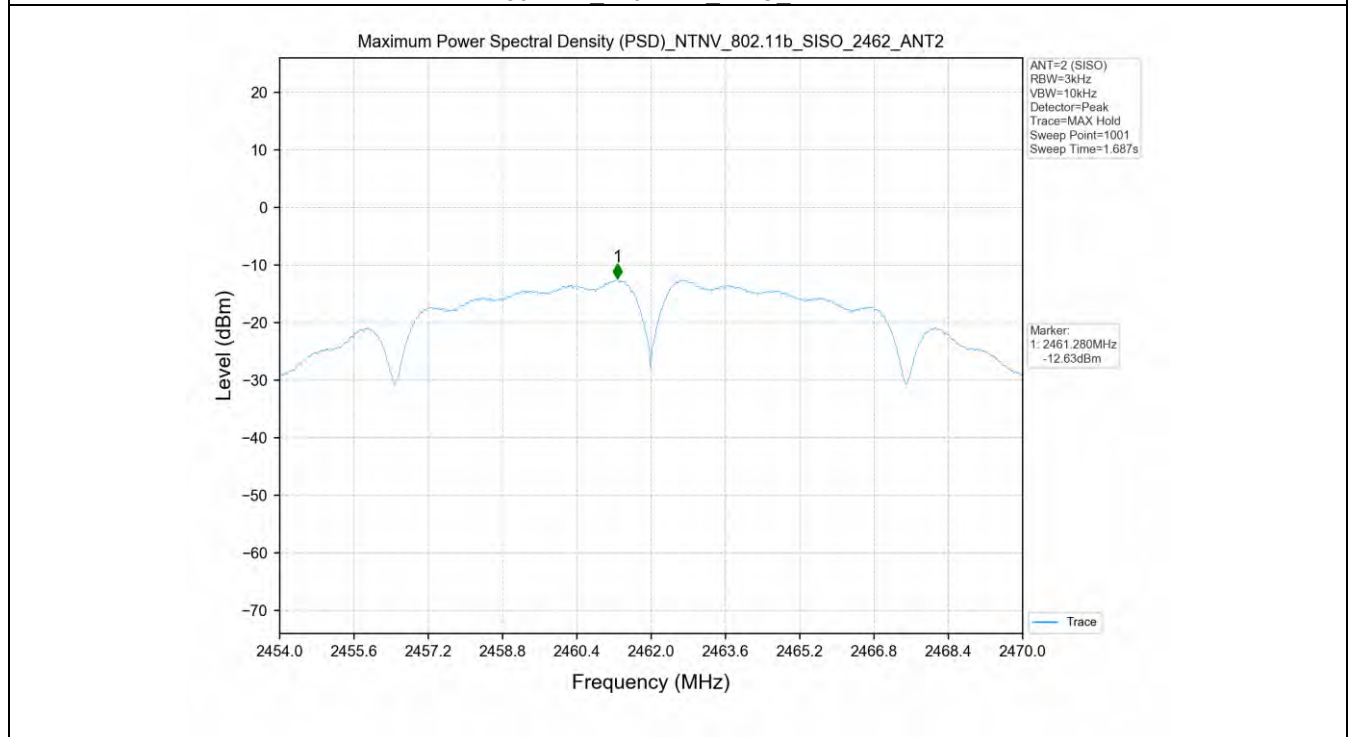
802.11b_2437MHz_SISO_ANT1



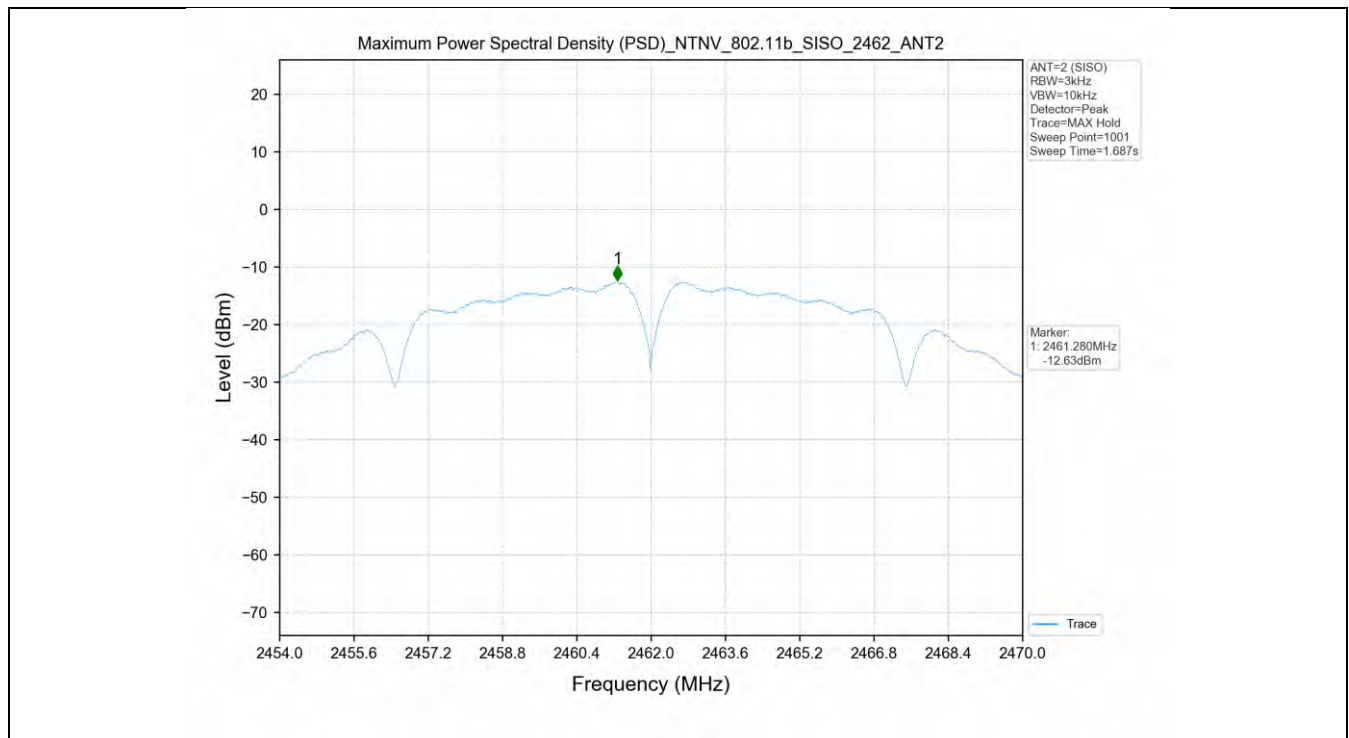
802.11b_2437MHz_SISO_ANT2



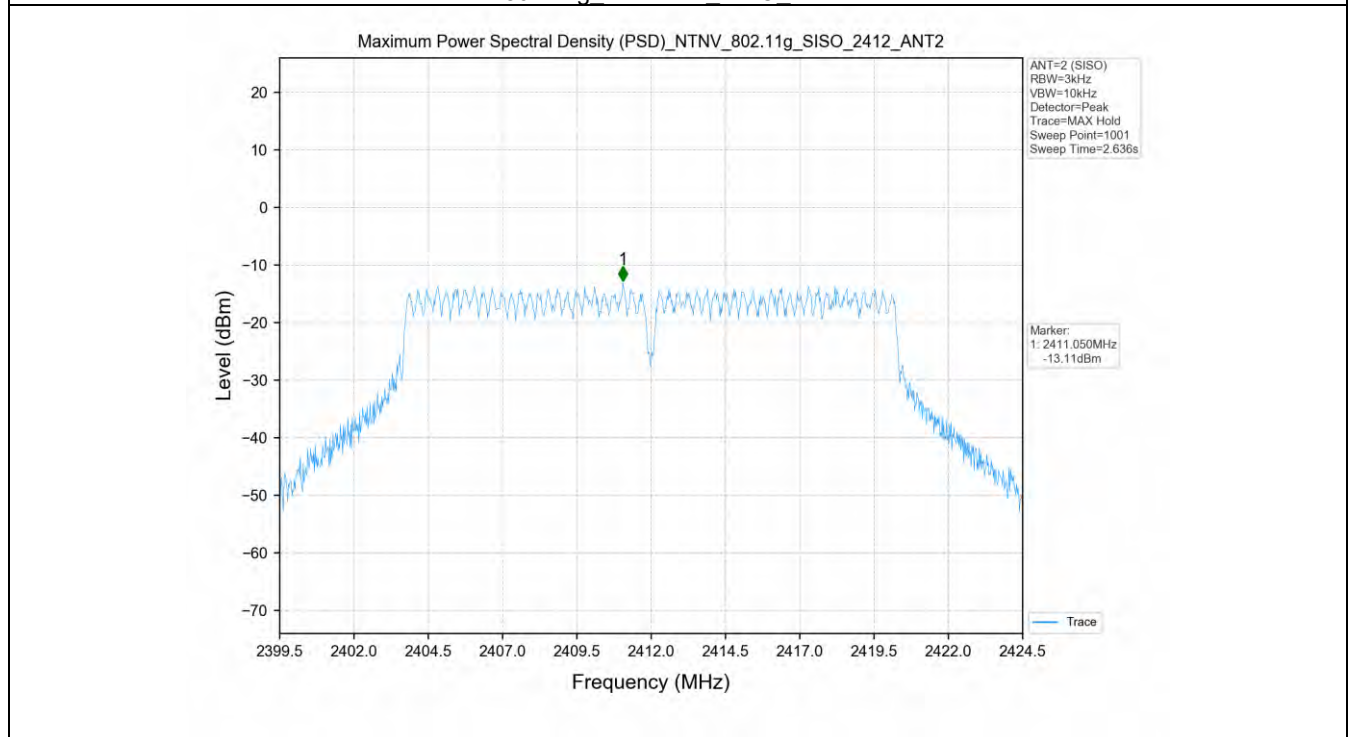
802.11b_2462MHz_SISO_ANT1



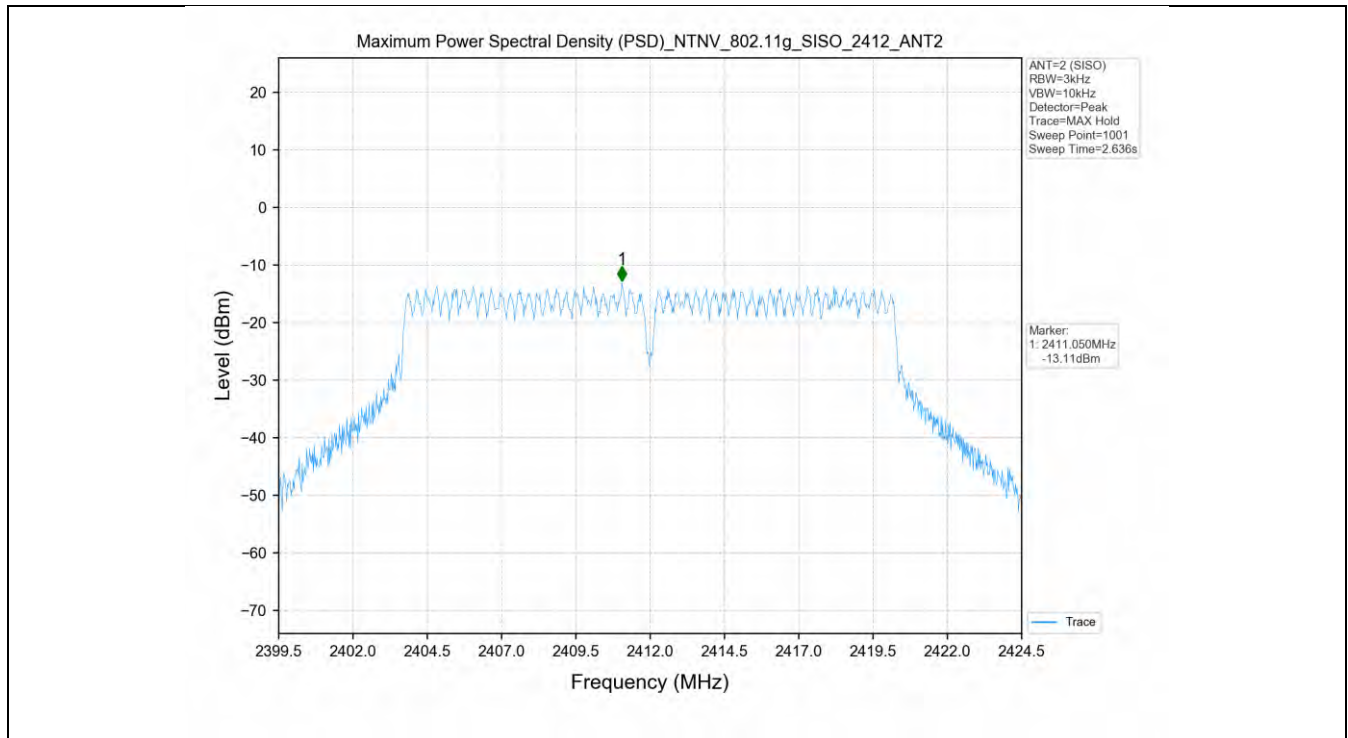
802.11b_2462MHz_SISO_ANT2



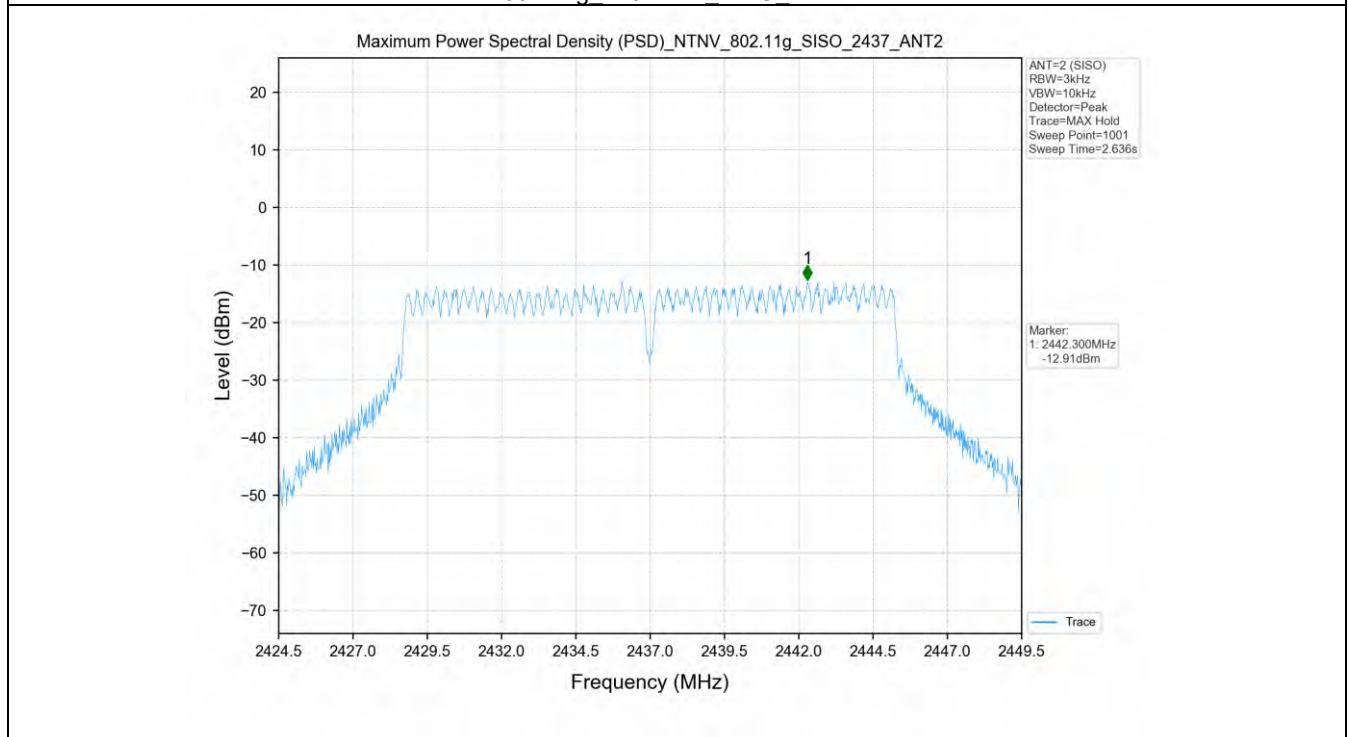
802.11g_2412MHz_SISO_ANT1



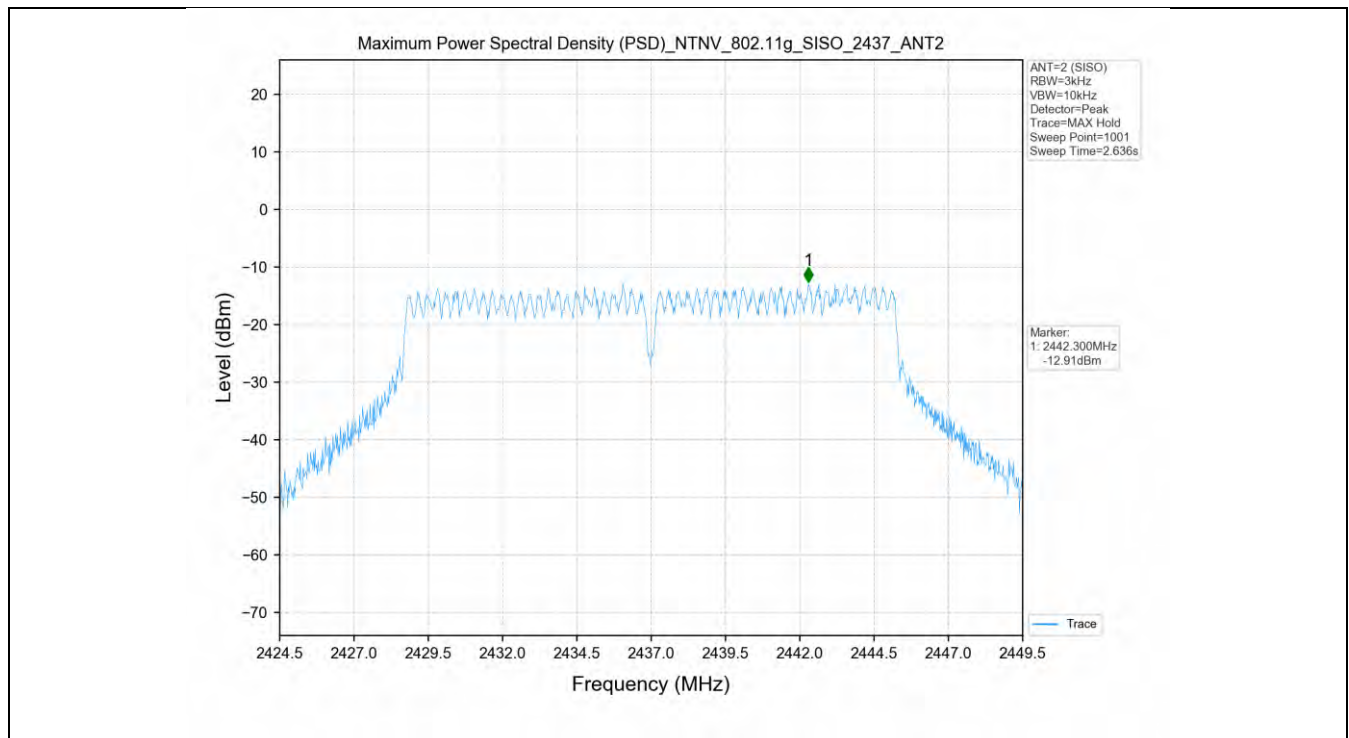
802.11g_2412MHz_SISO_ANT2



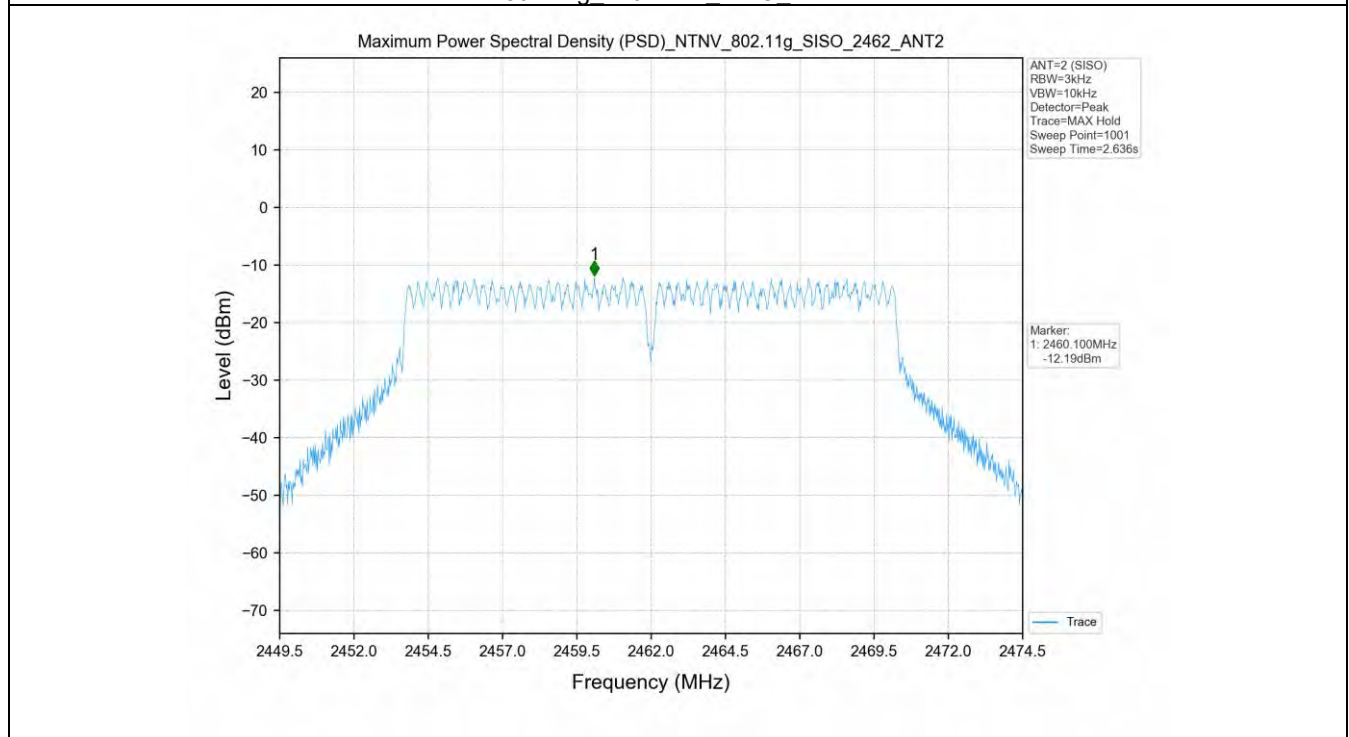
802.11g_2437MHz_SISO_ANT1



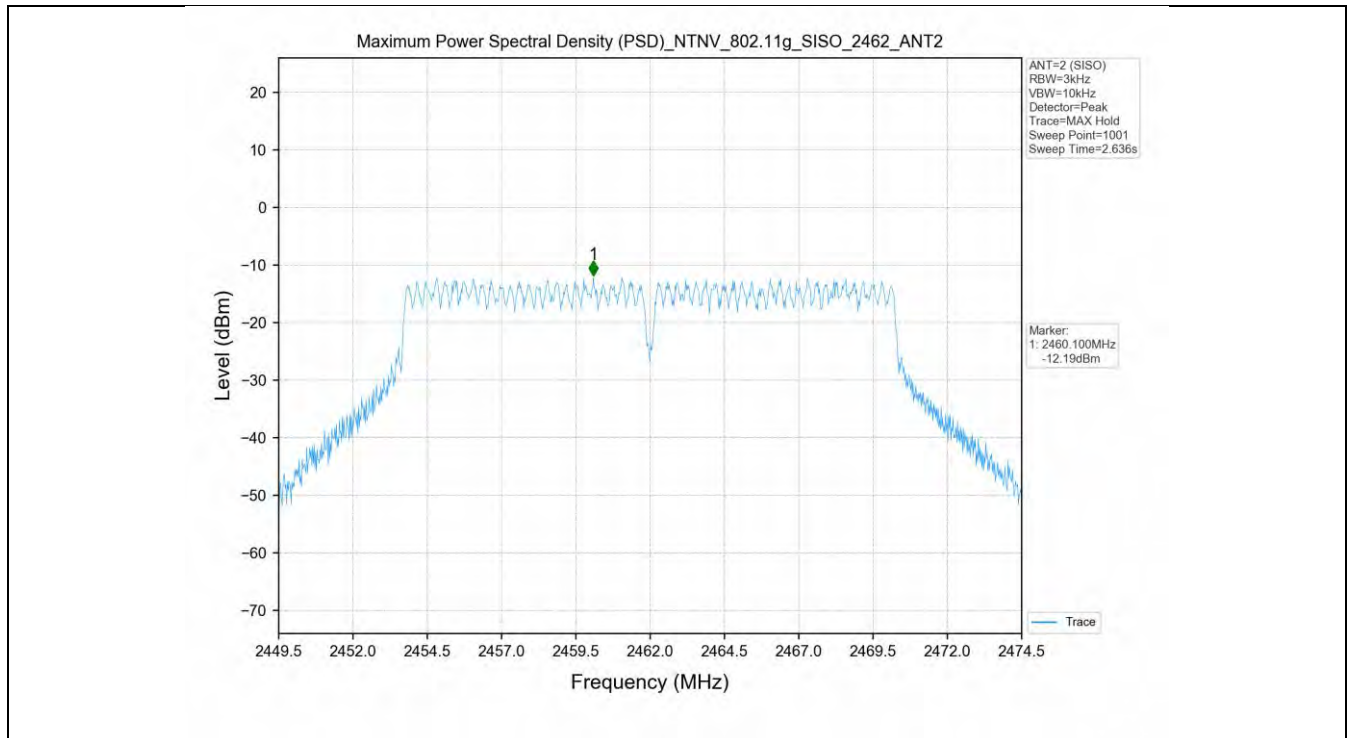
802.11g_2437MHz_SISO_ANT2



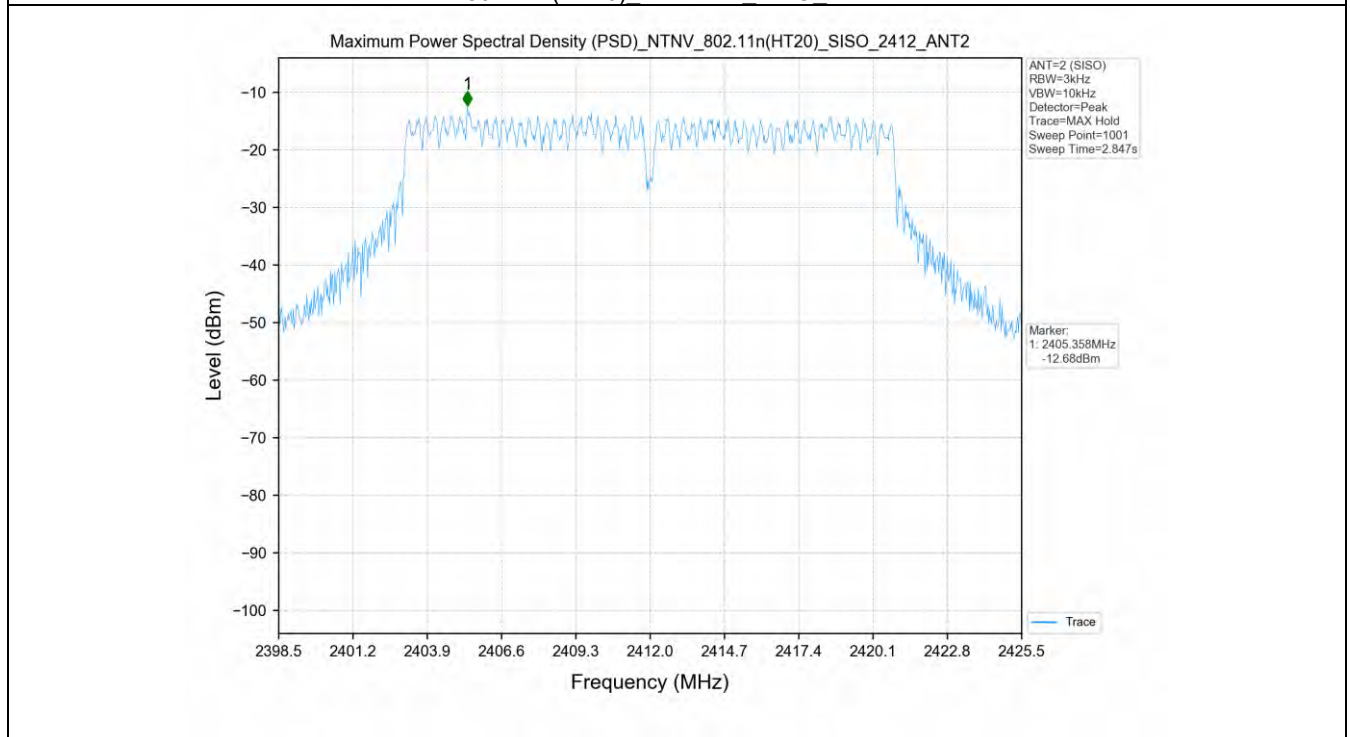
802.11g_2462MHz_SISO_ANT1



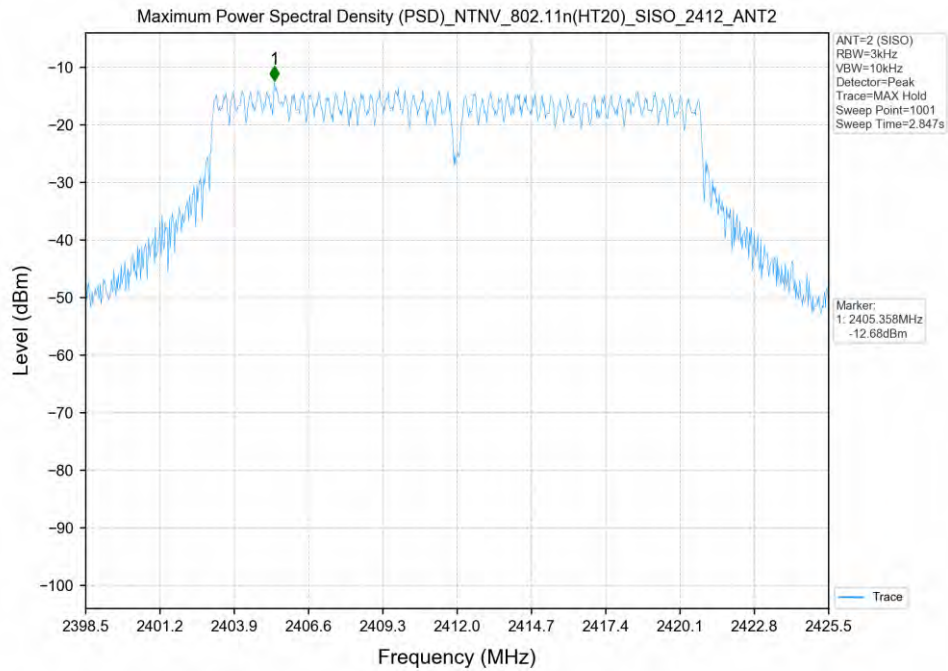
802.11g_2462MHz_SISO_ANT2



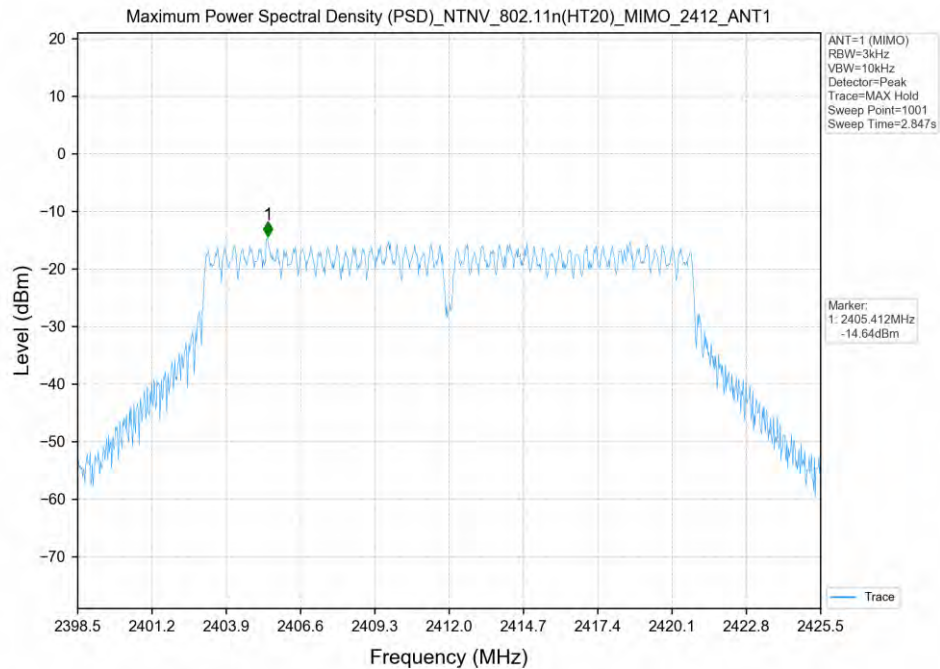
802.11n(HT20)_2412MHz_SISO_ANT1



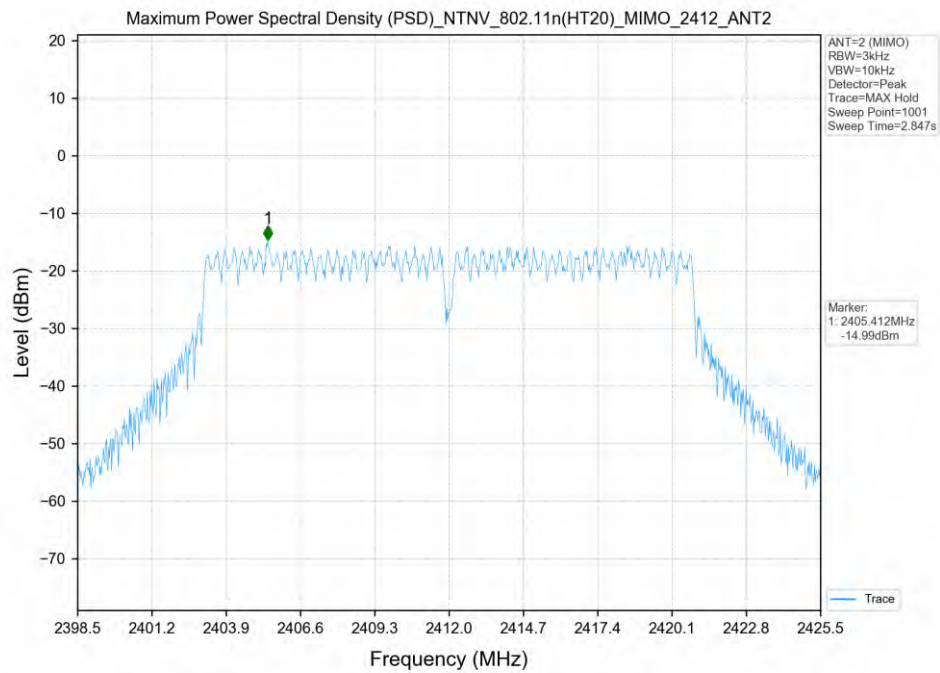
802.11n(HT20)_2412MHz_SISO_ANT2



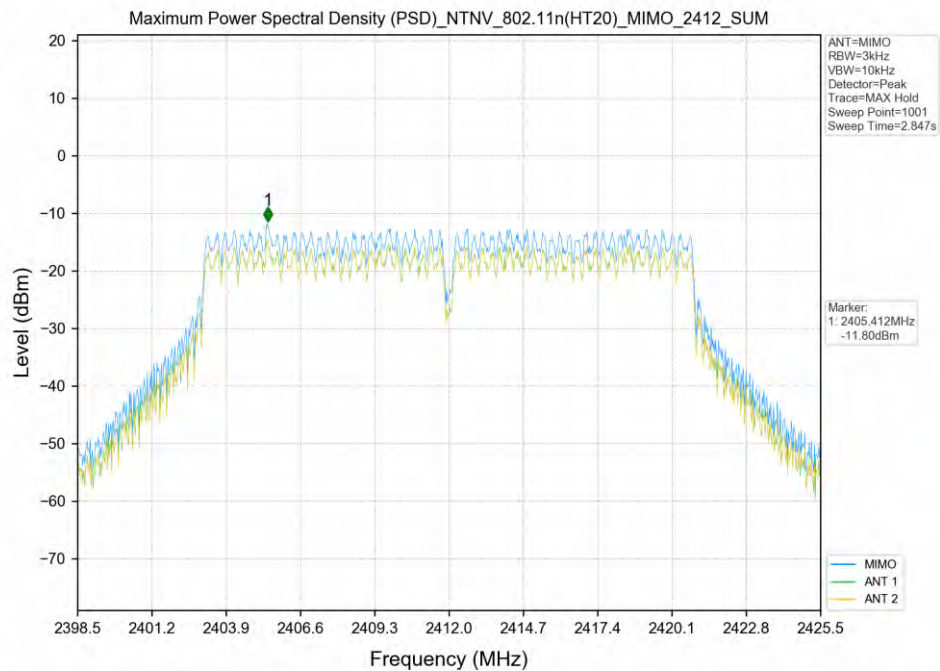
802.11n(HT20)_2412MHz_MIMO_ANT1



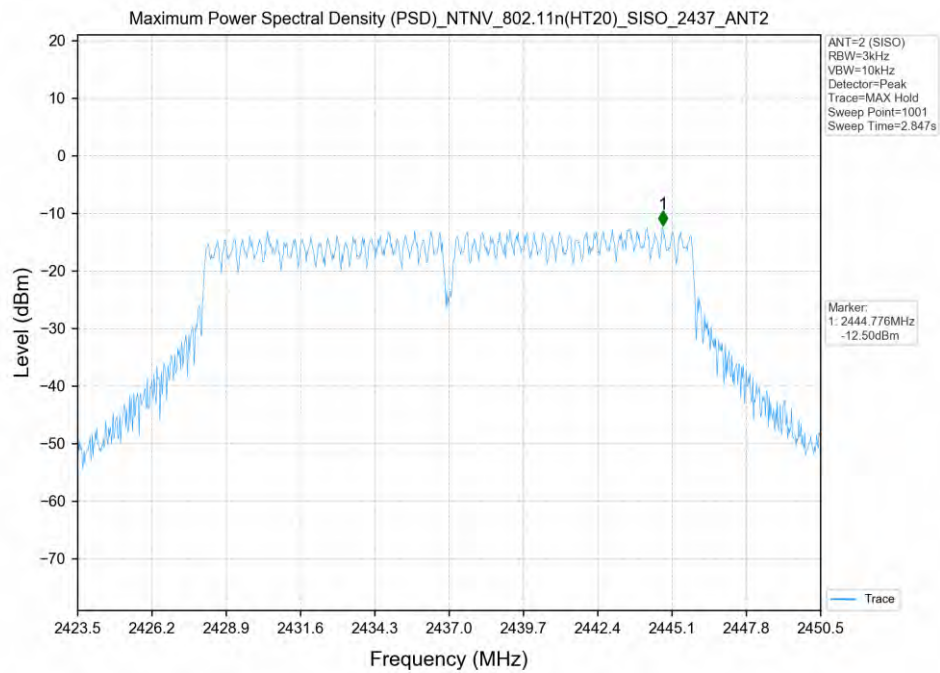
802.11n(HT20)_2412MHz_MIMO_ANT2



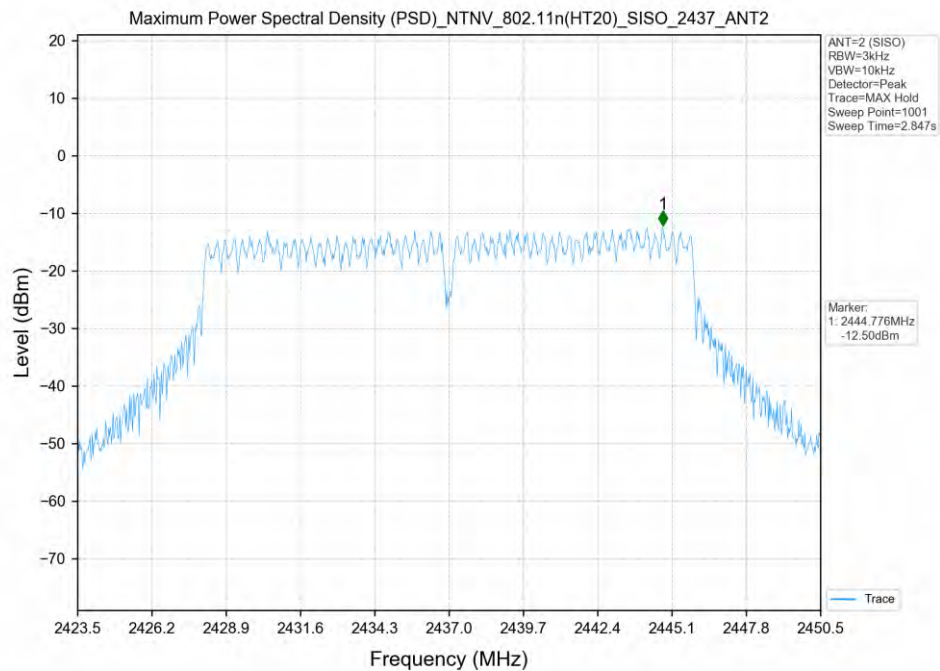
802.11n(HT20)_2412MHz_MIMO_Total



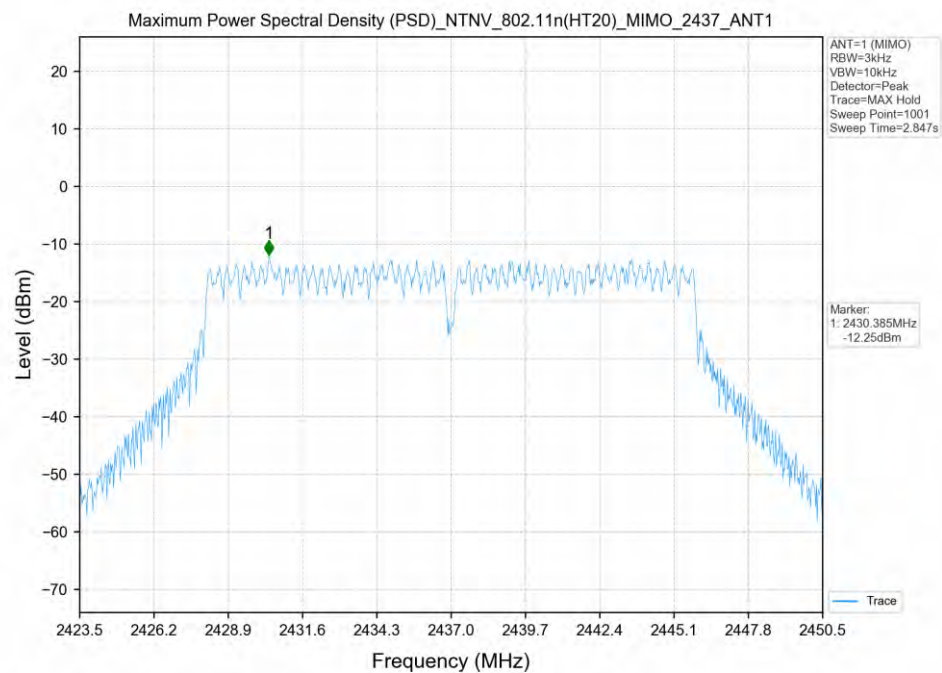
802.11n(HT20)_2437MHz_SISO_ANT1



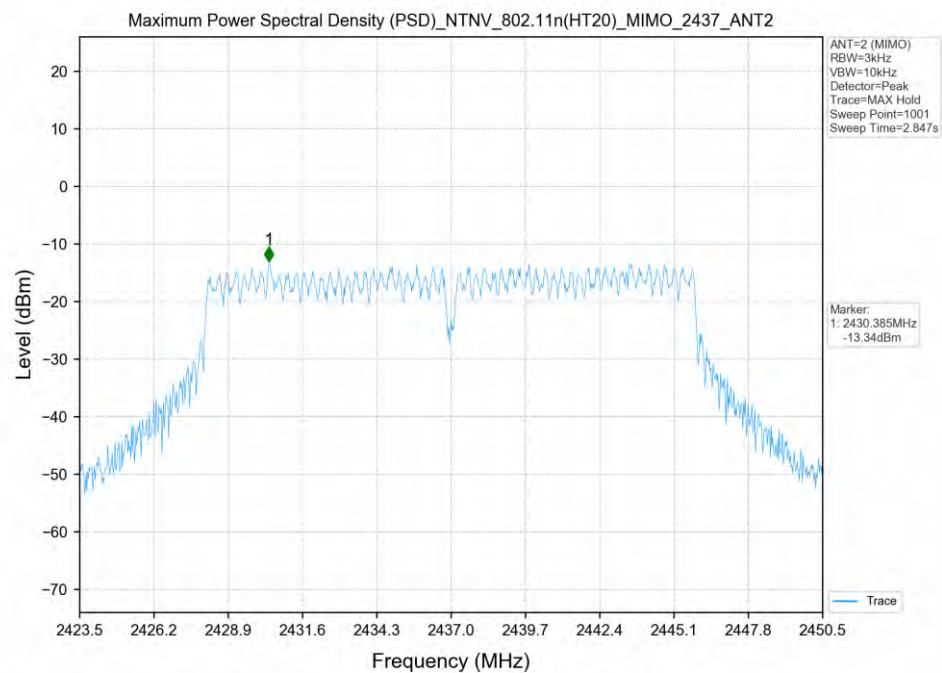
802.11n(HT20)_2437MHz_SISO_ANT2



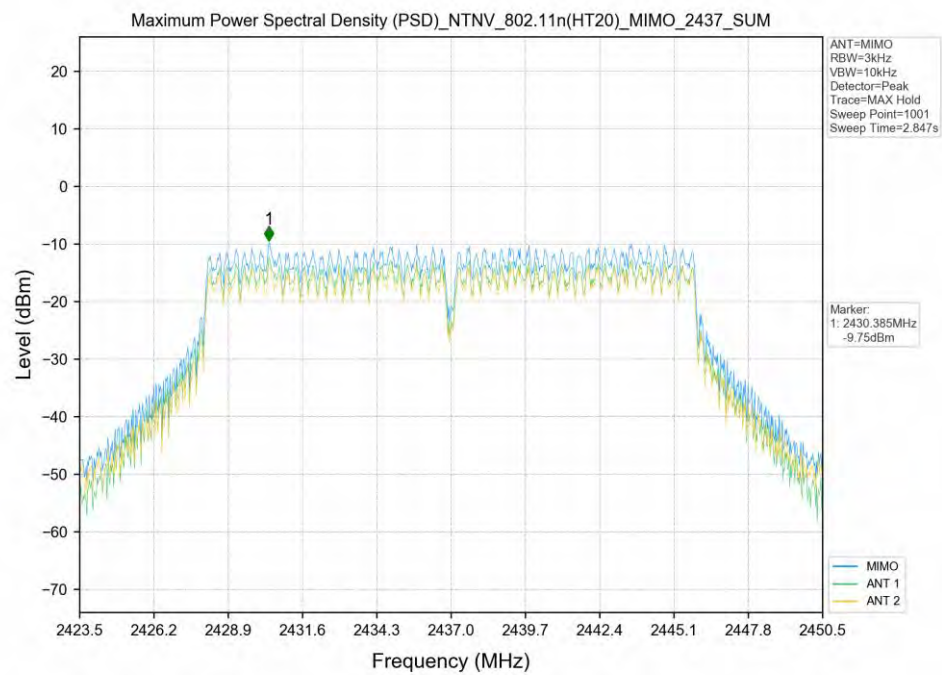
802.11n(HT20)_2437MHz_MIMO_ANT1



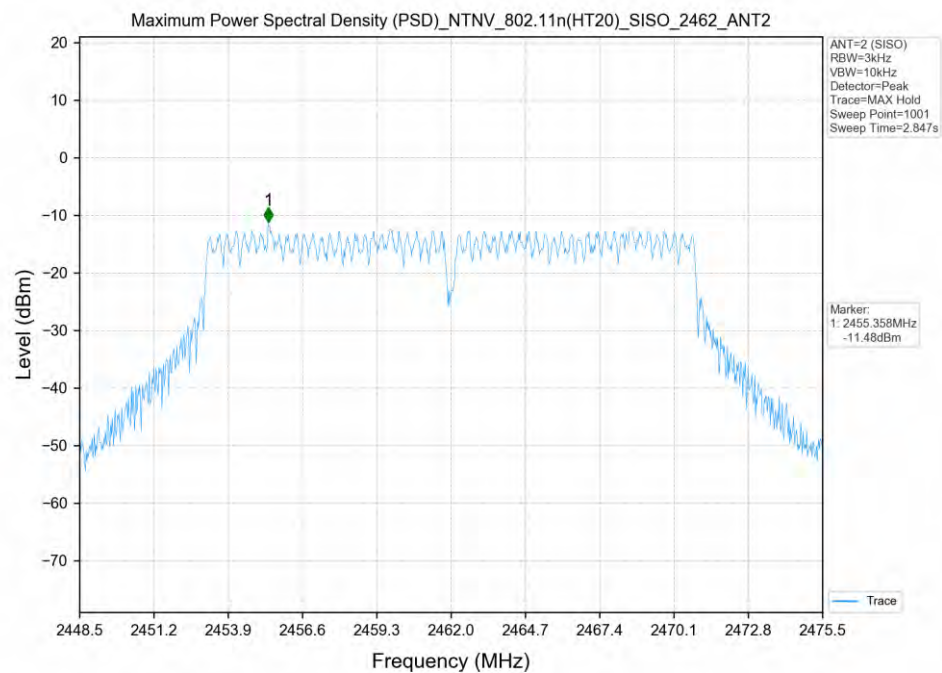
802.11n(HT20)_2437MHz_MIMO_ANT2



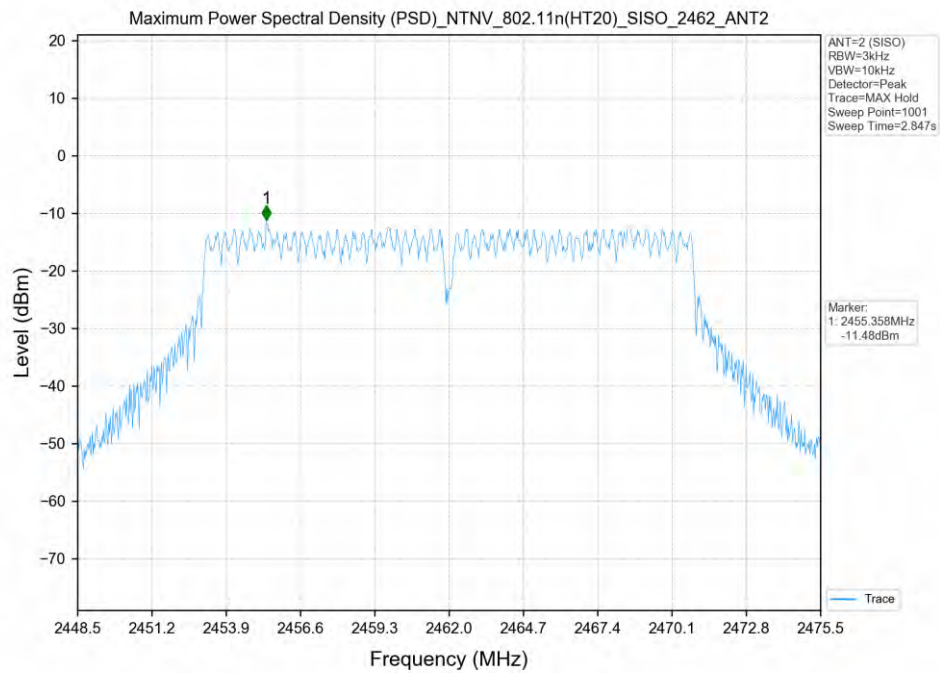
802.11n(HT20)_2437MHz_MIMO_Total



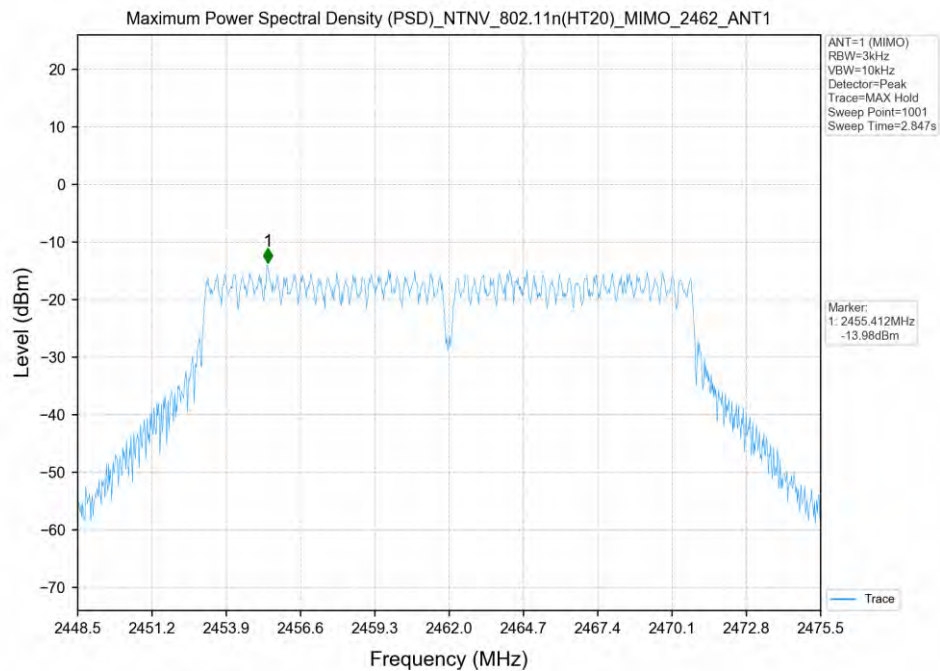
802.11n(HT20)_2462MHz_SISO_ANT1



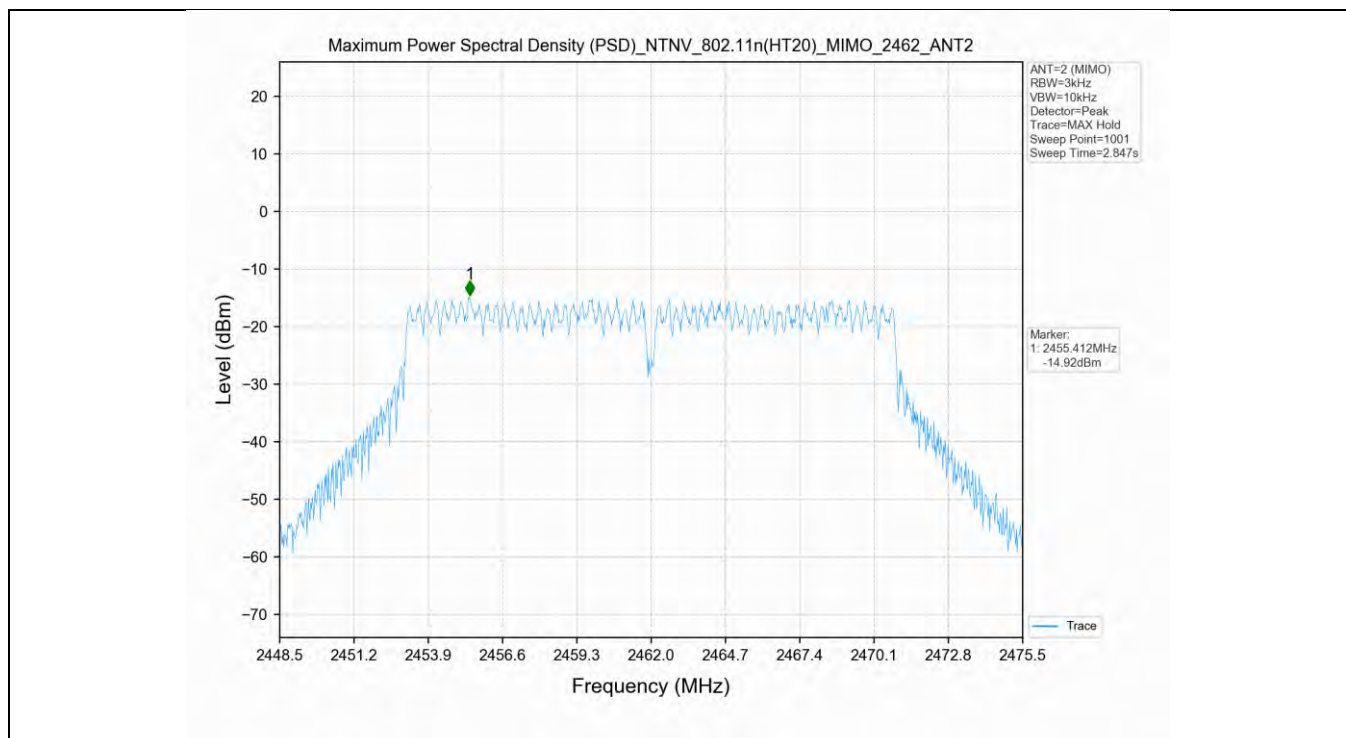
802.11n(HT20)_2462MHz_SISO_ANT2



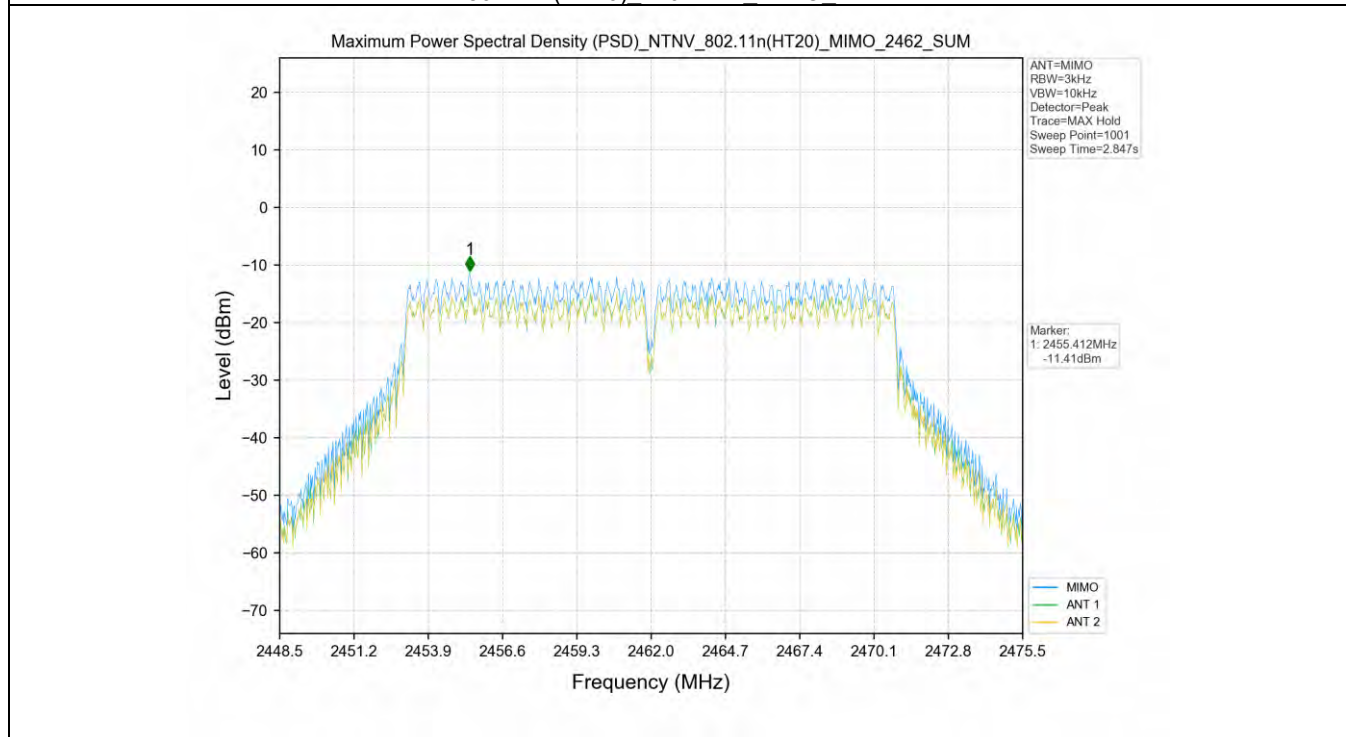
802.11n(HT20)_2462MHz_MIMO_ANT1



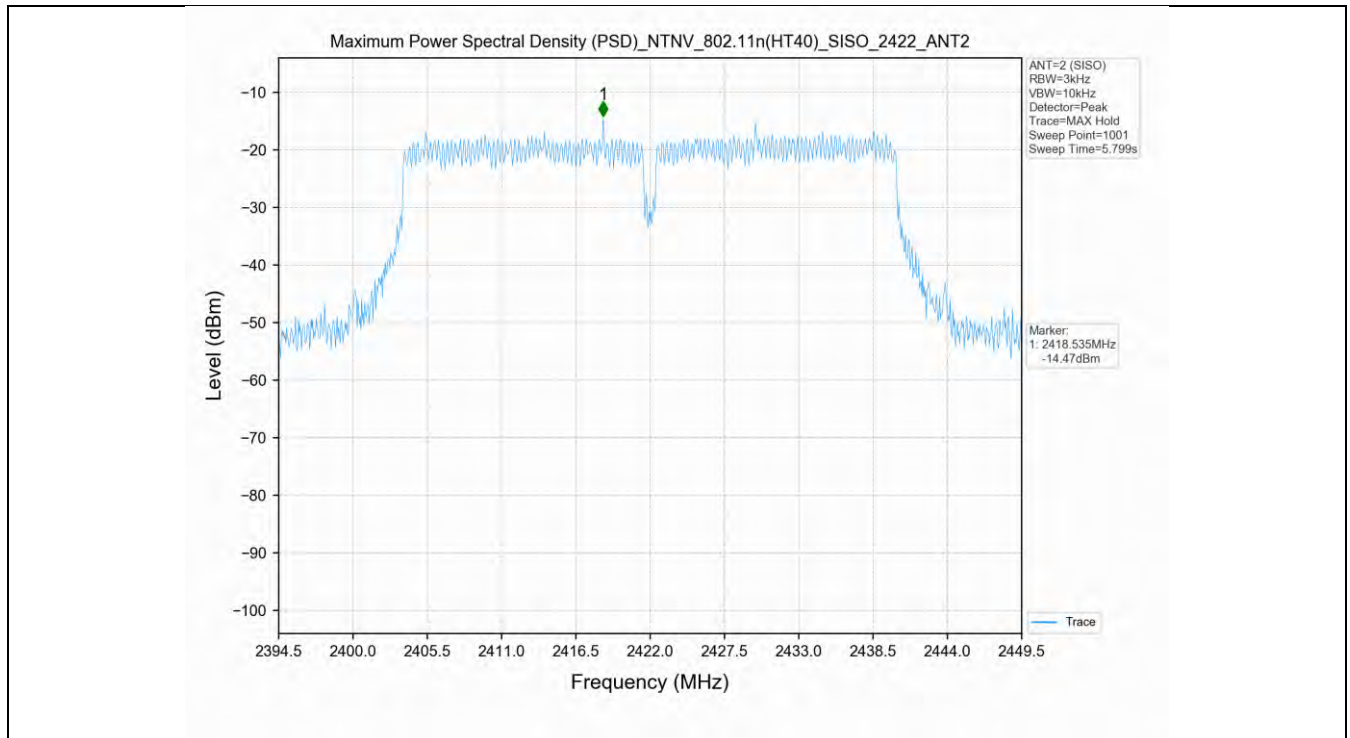
802.11n(HT20)_2462MHz_MIMO_ANT2



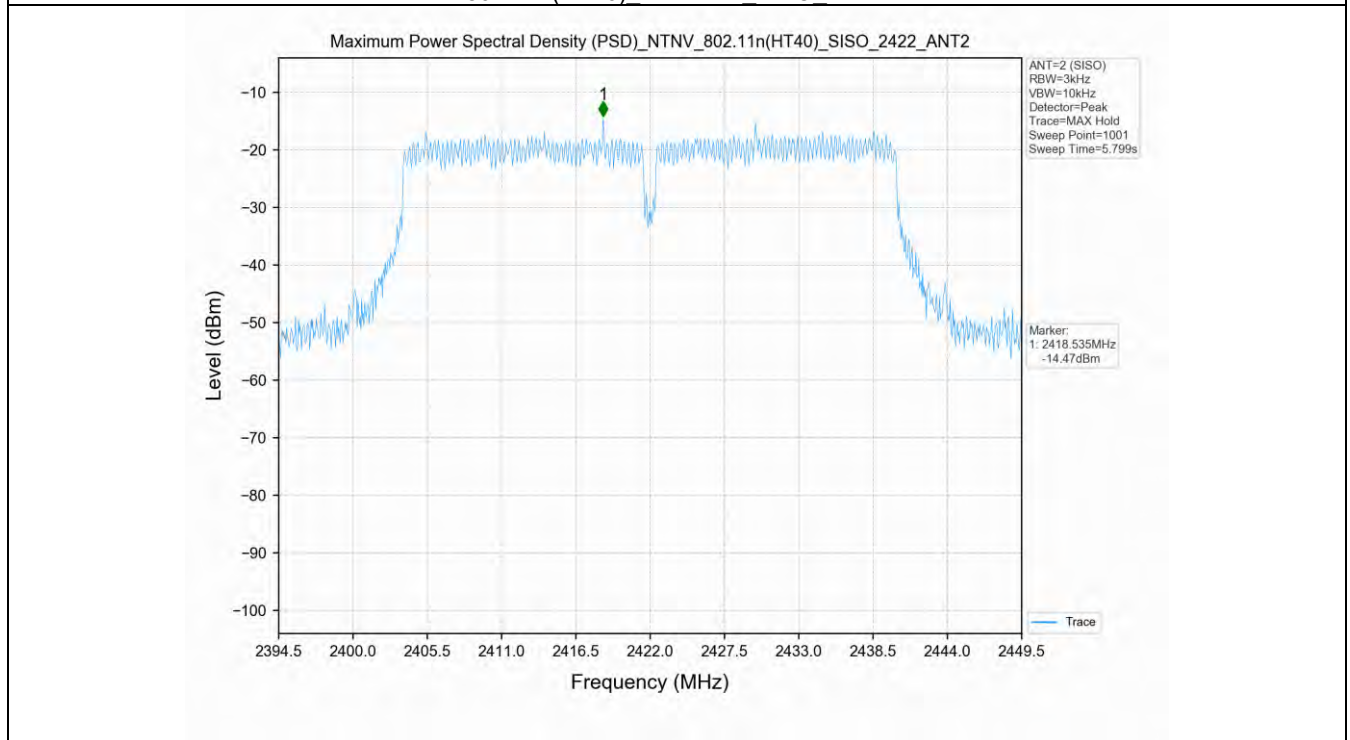
802.11n(HT20)_2462MHz_MIMO_Total



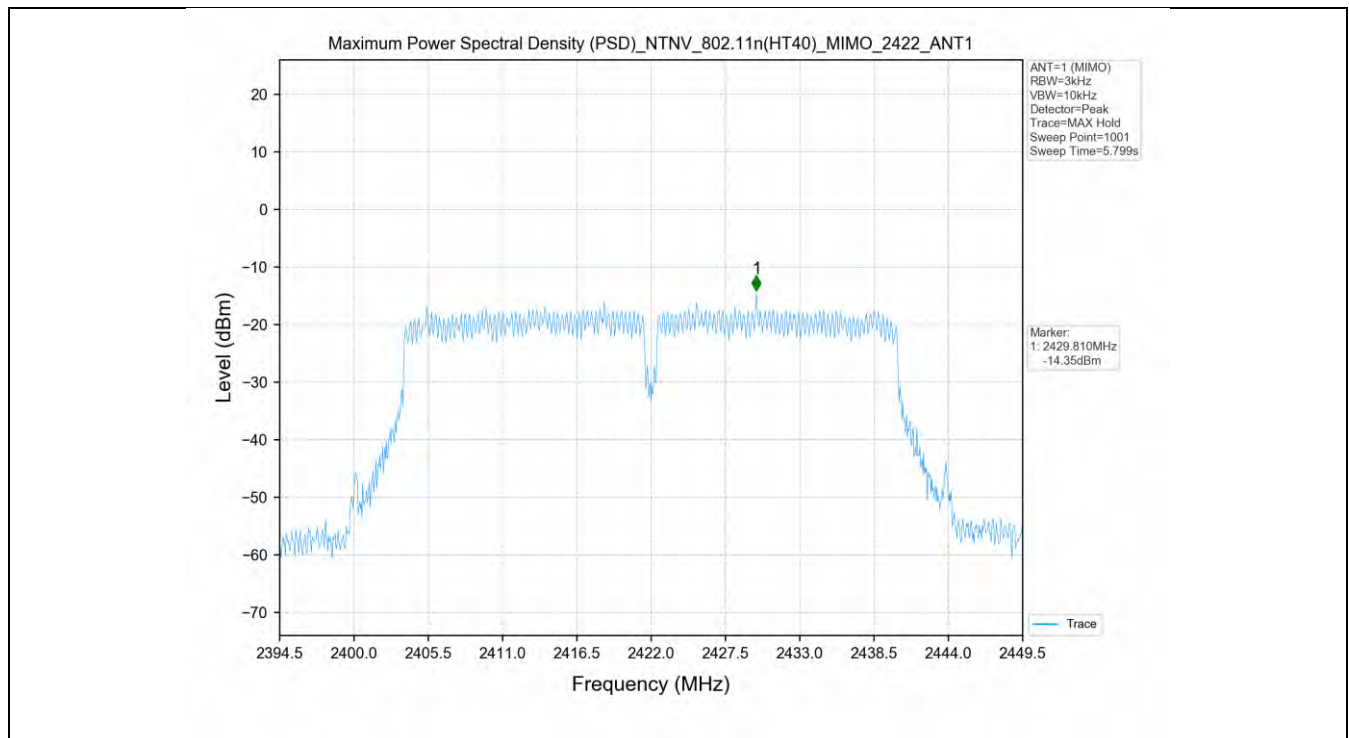
802.11n(HT40)_2422MHz_SISO_ANT1



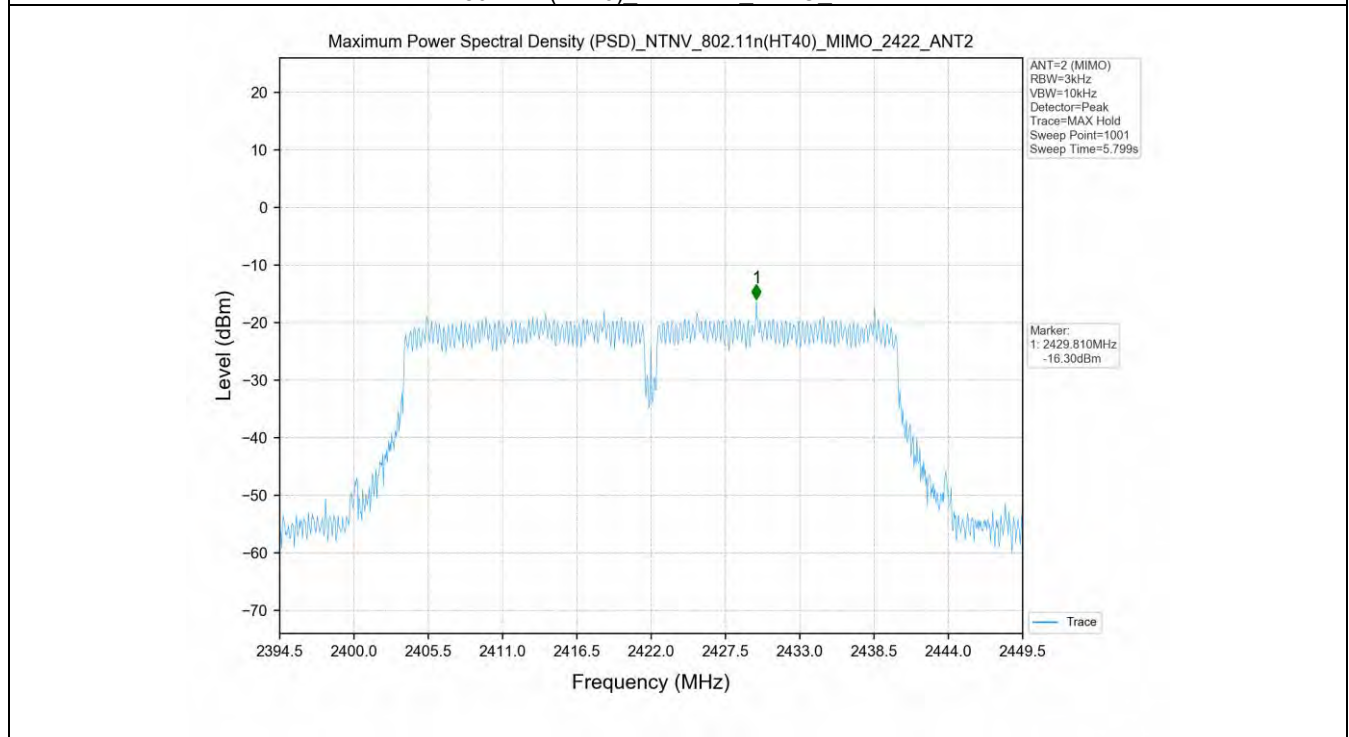
802.11n(HT40)_2422MHz_SISO_ANT2



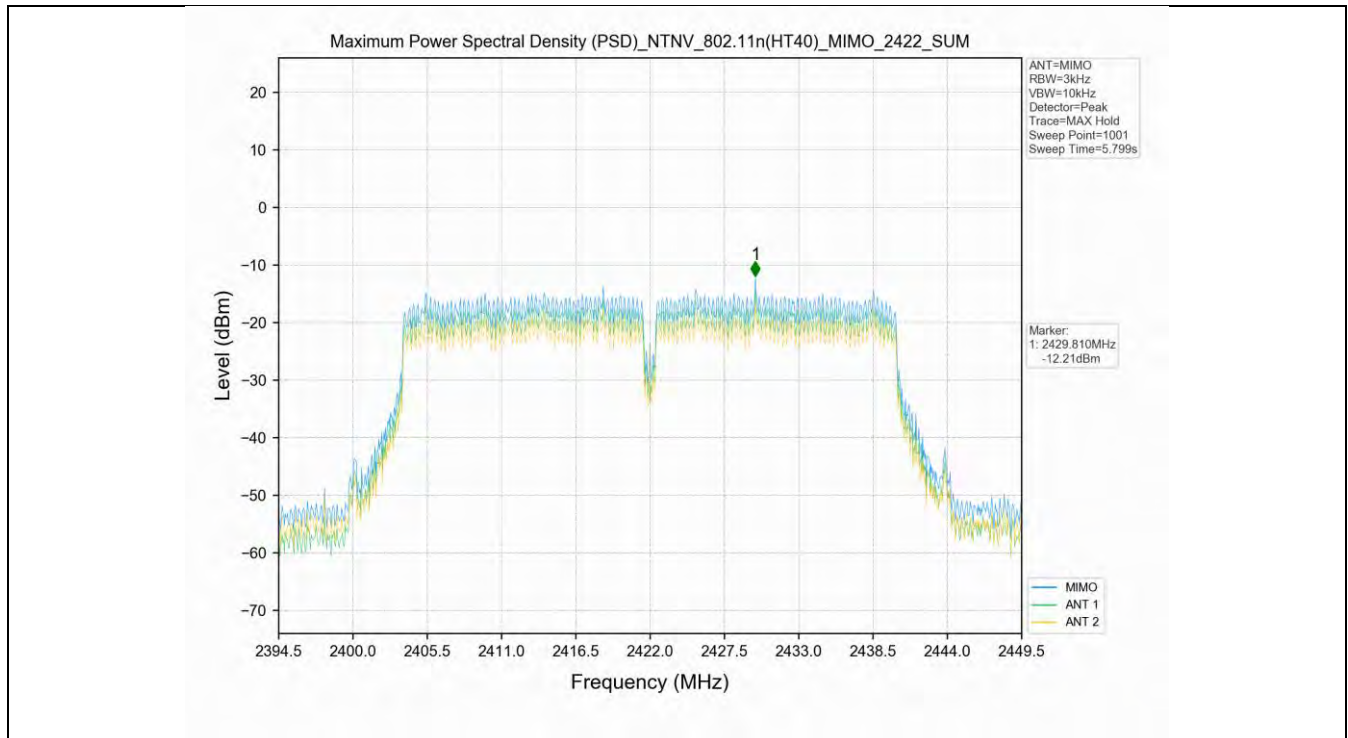
802.11n(HT40)_2422MHz_MIMO_ANT1



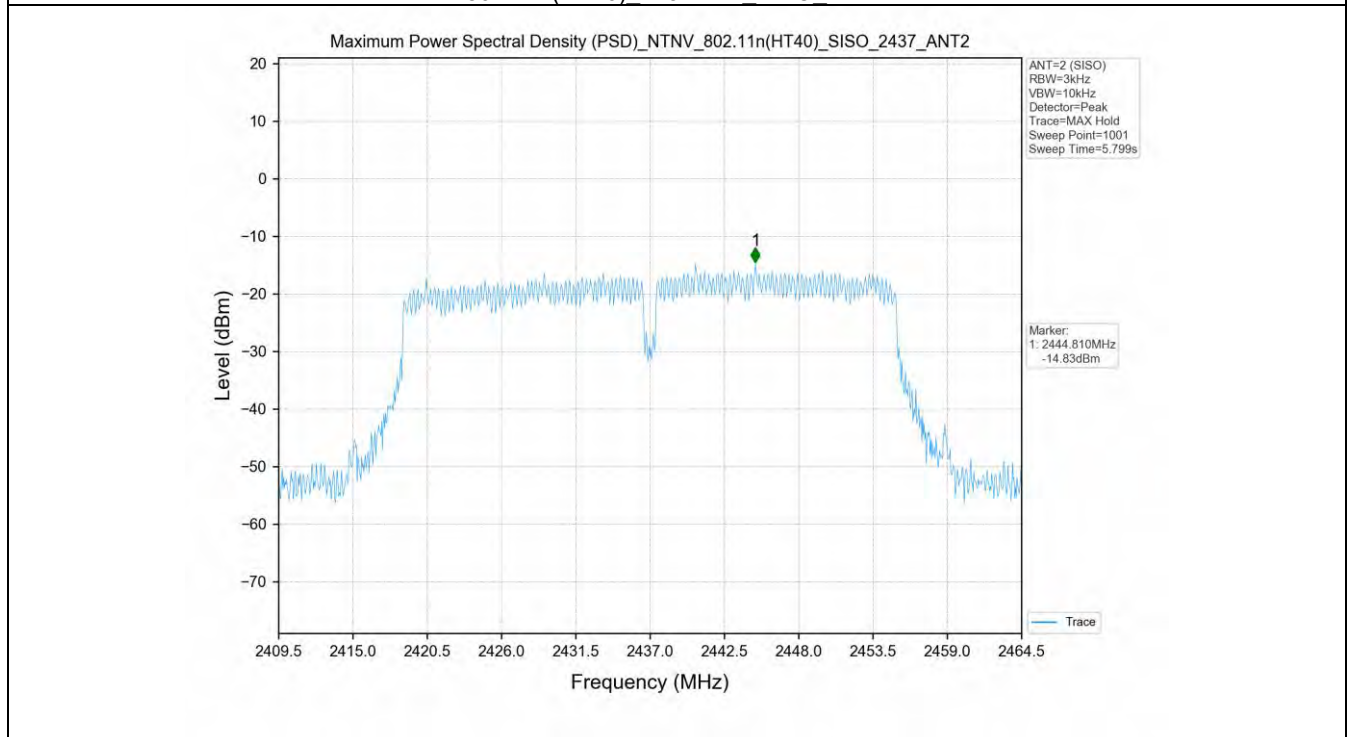
802.11n(HT40)_2422MHz_MIMO_ANT2



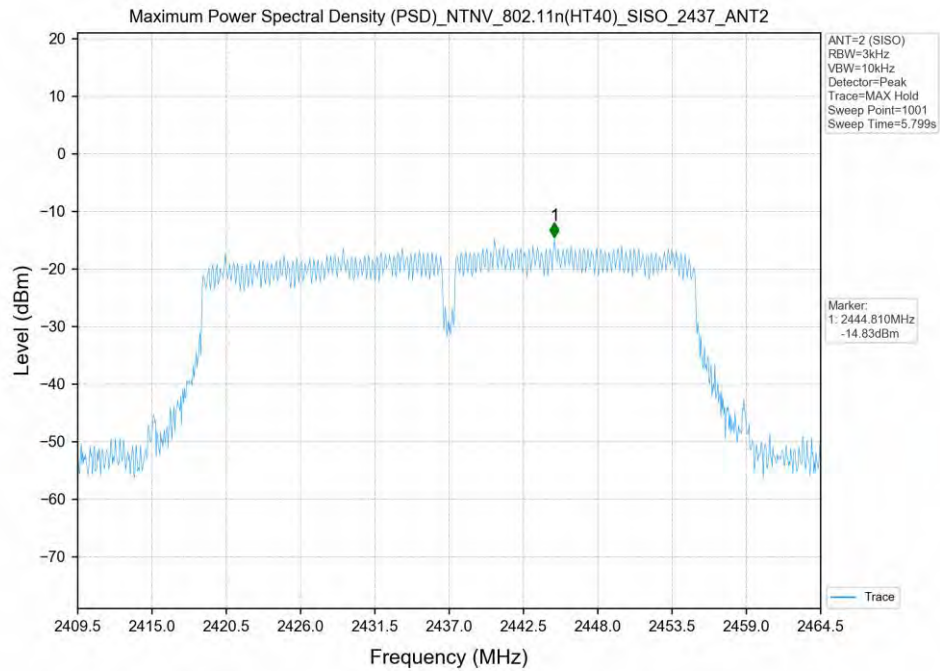
802.11n(HT40)_2422MHz_MIMO_Total



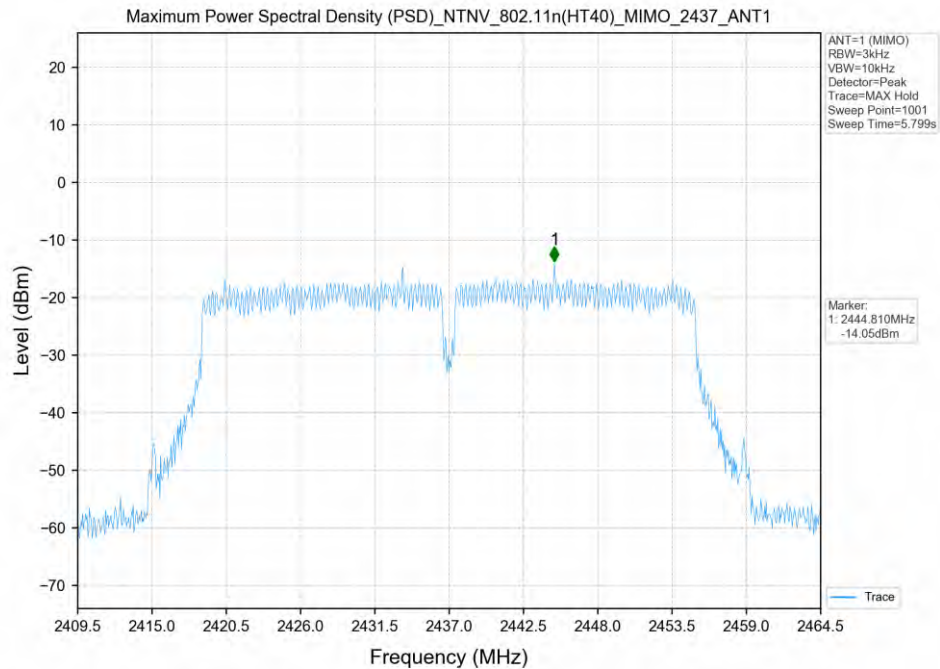
802.11n(HT40)_2437MHz_SISO_ANT1



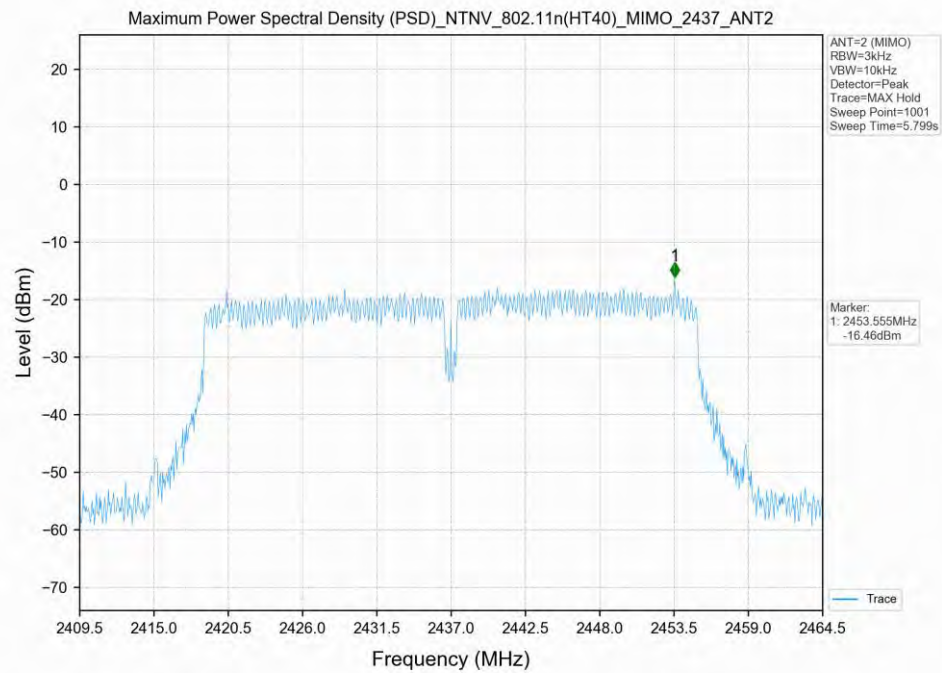
802.11n(HT40)_2437MHz_SISO_ANT2



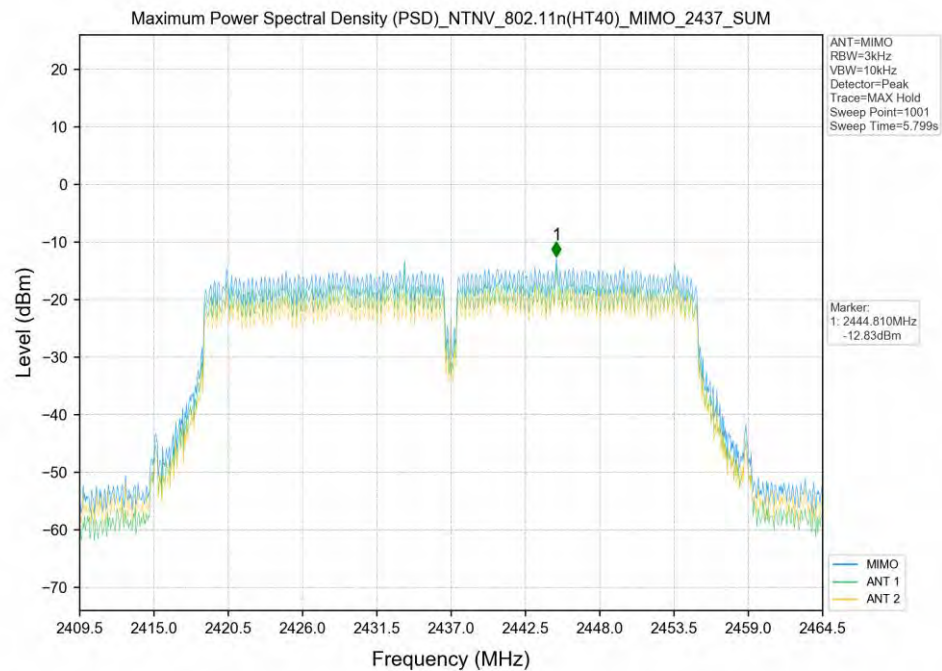
802.11n(HT40)_2437MHz_MIMO_ANT1



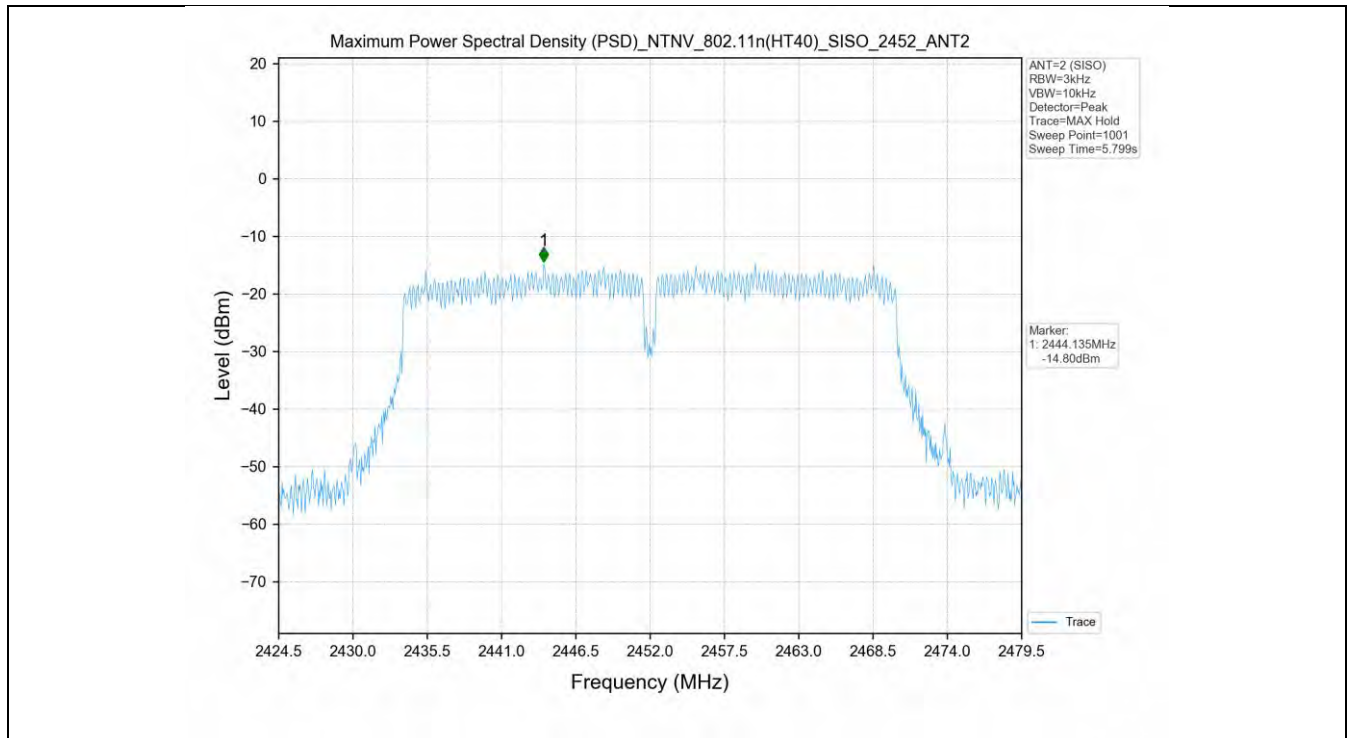
802.11n(HT40)_2437MHz_MIMO_ANT2



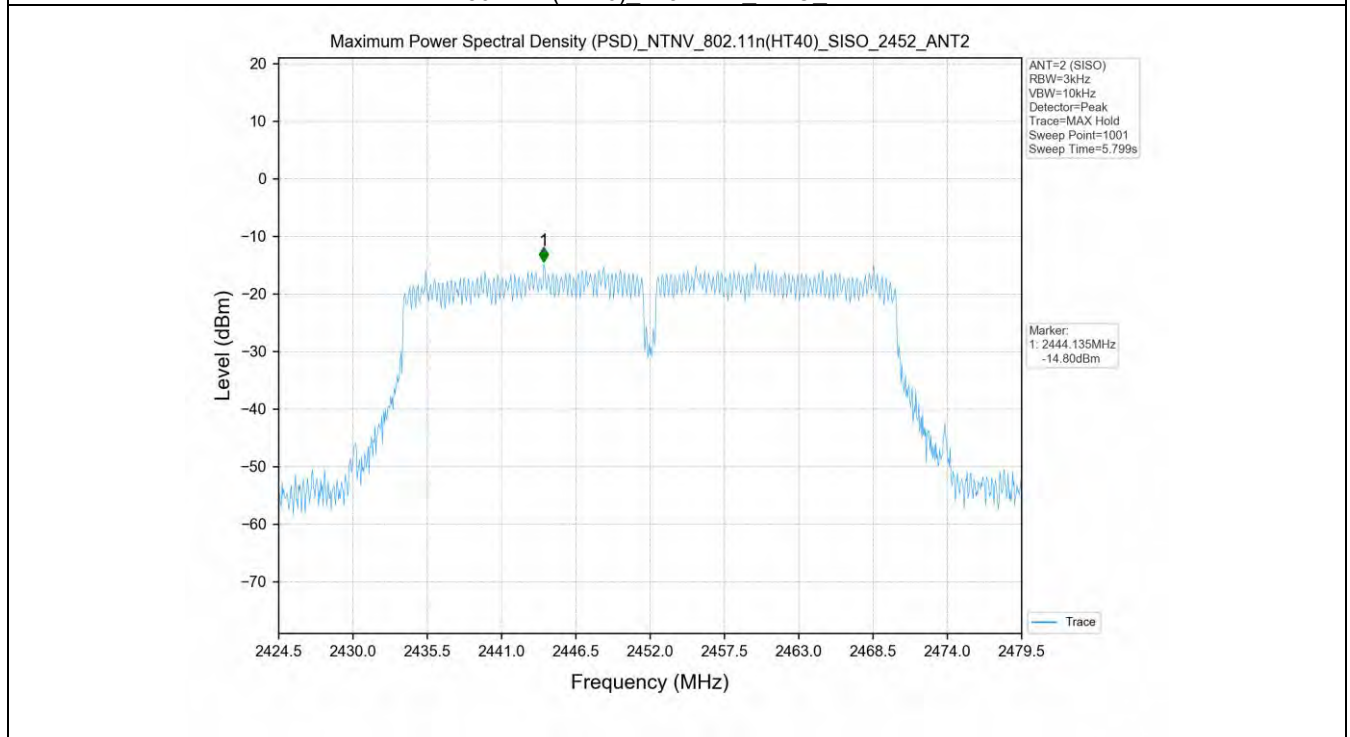
802.11n(HT40)_2437MHz_MIMO_Total



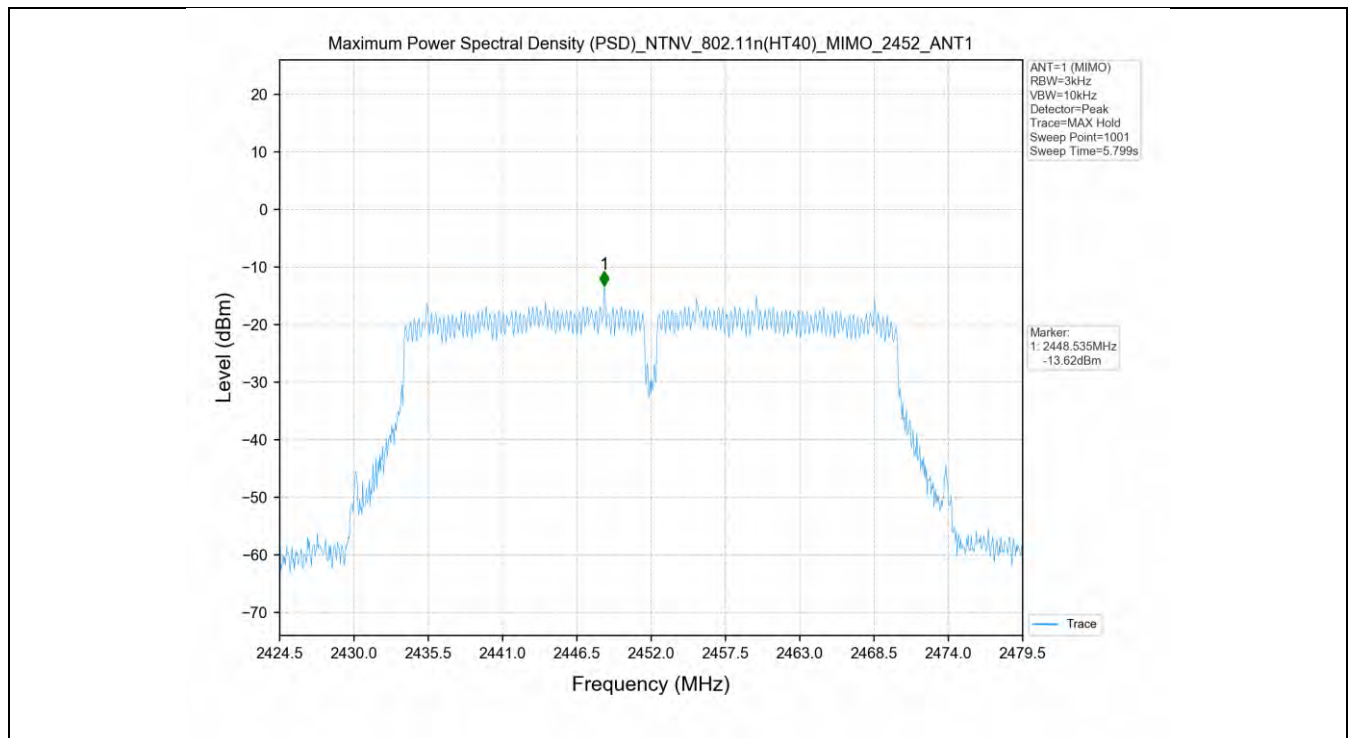
802.11n(HT40)_2452MHz_SISO_ANT1



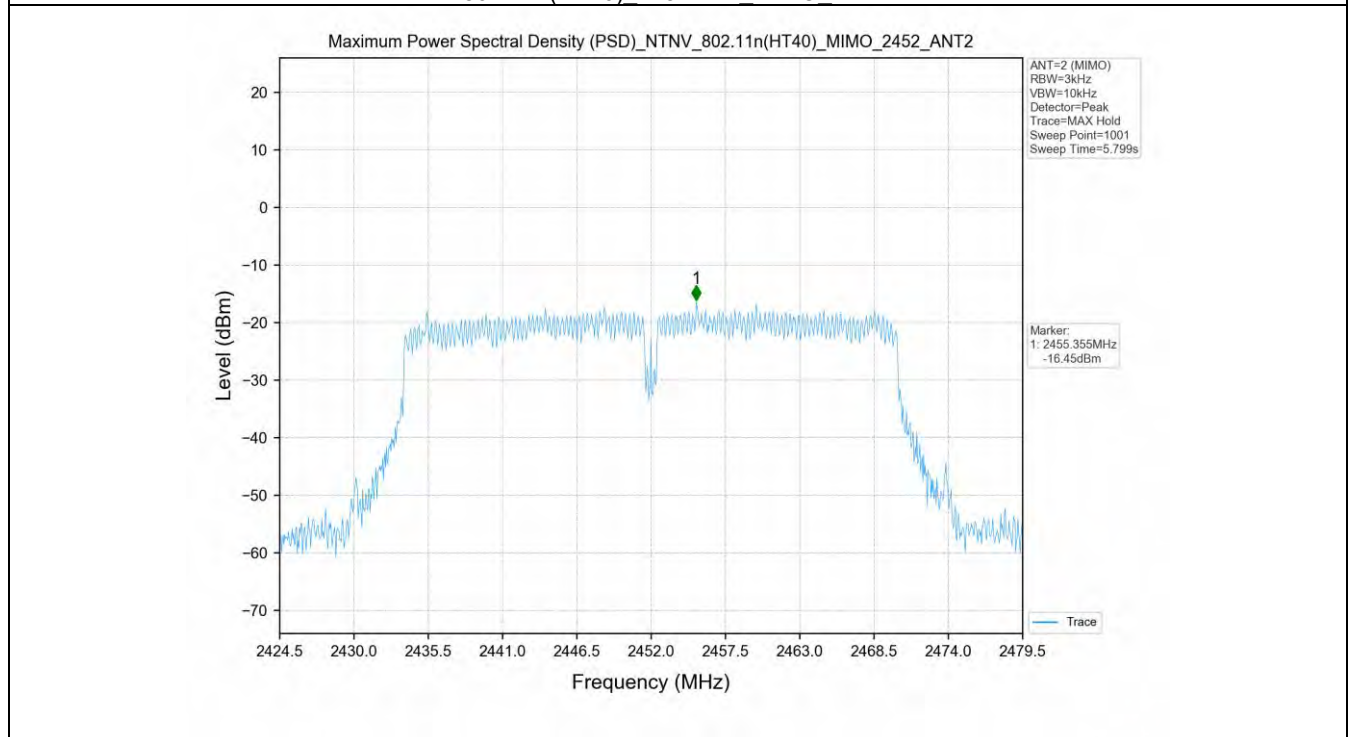
802.11n(HT40)_2452MHz_SISO_ANT2



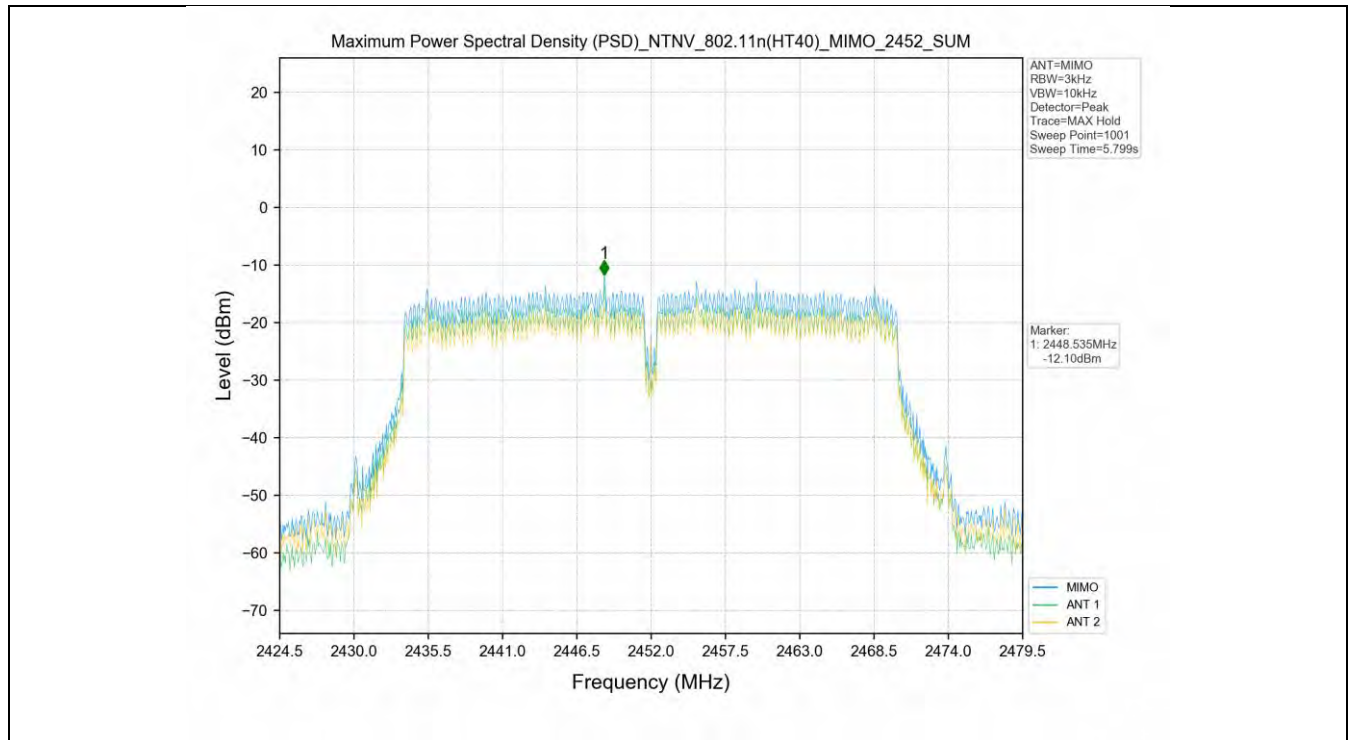
802.11n(HT40)_2452MHz_MIMO_ANT1



802.11n(HT40)_2452MHz_MIMO_ANT2



802.11n(HT40)_2452MHz_MIMO_Total



5. Unwanted Emissions in Non-restricted Frequency Bands

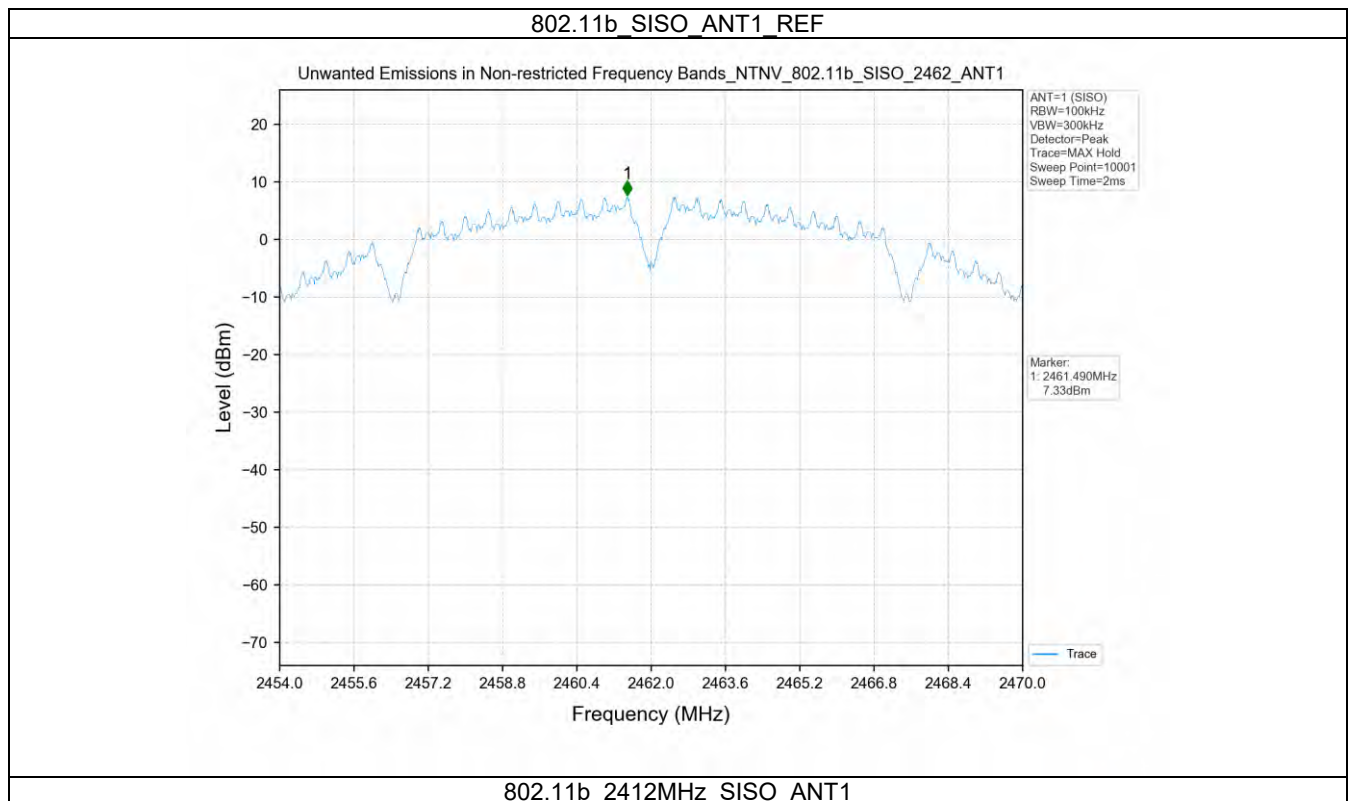
5.1 Test Result

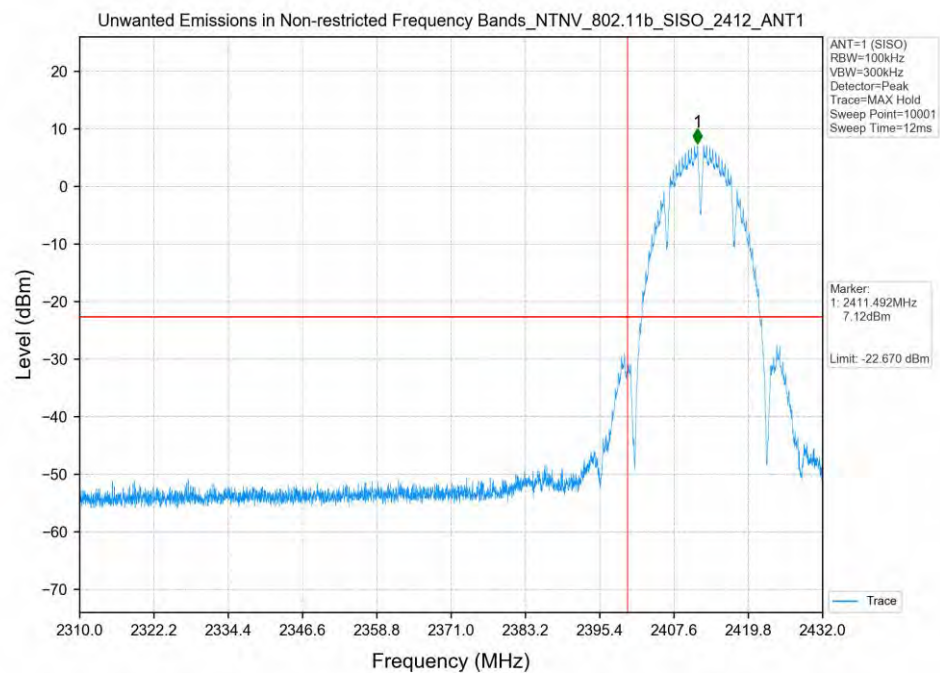
| Test Mode | Frequency (MHz) | TX Type | ANT No. | Spurious Conducted Emission (dBc) | Limits (dBc) | Verdict |
|---------------|-----------------|---------|---------|-----------------------------------|--------------|---------|
| 802.11b | 2412 | SISO | 1 | Refer to test graph | ≤ -30 | Pass |
| | | | 2 | Refer to test graph | ≤ -30 | Pass |
| | 2437 | SISO | 1 | Refer to test graph | ≤ -30 | Pass |
| | | | 2 | Refer to test graph | ≤ -30 | Pass |
| | 2462 | SISO | 1 | Refer to test graph | ≤ -30 | Pass |
| | | | 2 | Refer to test graph | ≤ -30 | Pass |
| 802.11g | 2412 | SISO | 1 | Refer to test graph | ≤ -30 | Pass |
| | | | 2 | Refer to test graph | ≤ -30 | Pass |
| | 2437 | SISO | 1 | Refer to test graph | ≤ -30 | Pass |
| | | | 2 | Refer to test graph | ≤ -30 | Pass |
| | 2462 | SISO | 1 | Refer to test graph | ≤ -30 | Pass |
| | | | 2 | Refer to test graph | ≤ -30 | Pass |
| 802.11n(HT20) | 2412 | SISO | 1 | Refer to test graph | ≤ -30 | Pass |
| | | | 2 | Refer to test graph | ≤ -30 | Pass |
| | | MIMO | 0 | Refer to test graph | ≤ -30 | Pass |
| | 2437 | SISO | 1 | Refer to test graph | ≤ -30 | Pass |
| | | | 2 | Refer to test graph | ≤ -30 | Pass |
| | | MIMO | 0 | Refer to test graph | ≤ -30 | Pass |
| | 2462 | SISO | 1 | Refer to test graph | ≤ -30 | Pass |
| | | | 2 | Refer to test graph | ≤ -30 | Pass |
| | | MIMO | 0 | Refer to test graph | ≤ -30 | Pass |
| 802.11n(HT40) | 2422 | SISO | 1 | Refer to test graph | ≤ -30 | Pass |



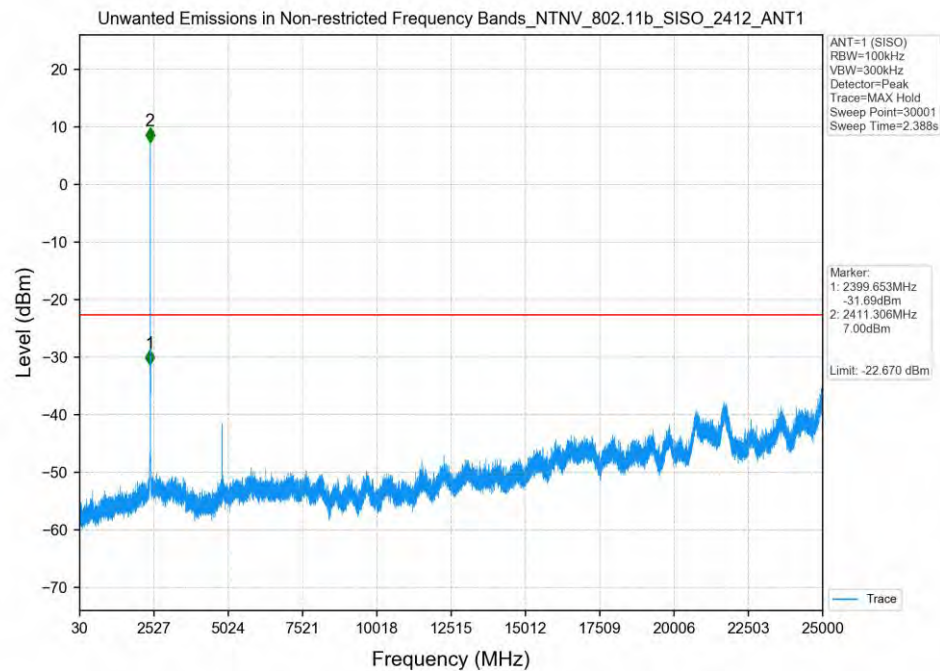
| | | | | | | |
|--|------|------|---|---------------------|------------|------|
| | | | 2 | Refer to test graph | ≤ -30 | Pass |
| | | MIMO | 0 | Refer to test graph | ≤ -30 | Pass |
| | 2437 | SISO | 1 | Refer to test graph | ≤ -30 | Pass |
| | | | 2 | Refer to test graph | ≤ -30 | Pass |
| | 2452 | MIMO | 0 | Refer to test graph | ≤ -30 | Pass |
| | | SISO | 1 | Refer to test graph | ≤ -30 | Pass |
| | | | 2 | Refer to test graph | ≤ -30 | Pass |
| | | MIMO | 0 | Refer to test graph | ≤ -30 | Pass |

5.2 Test Graph

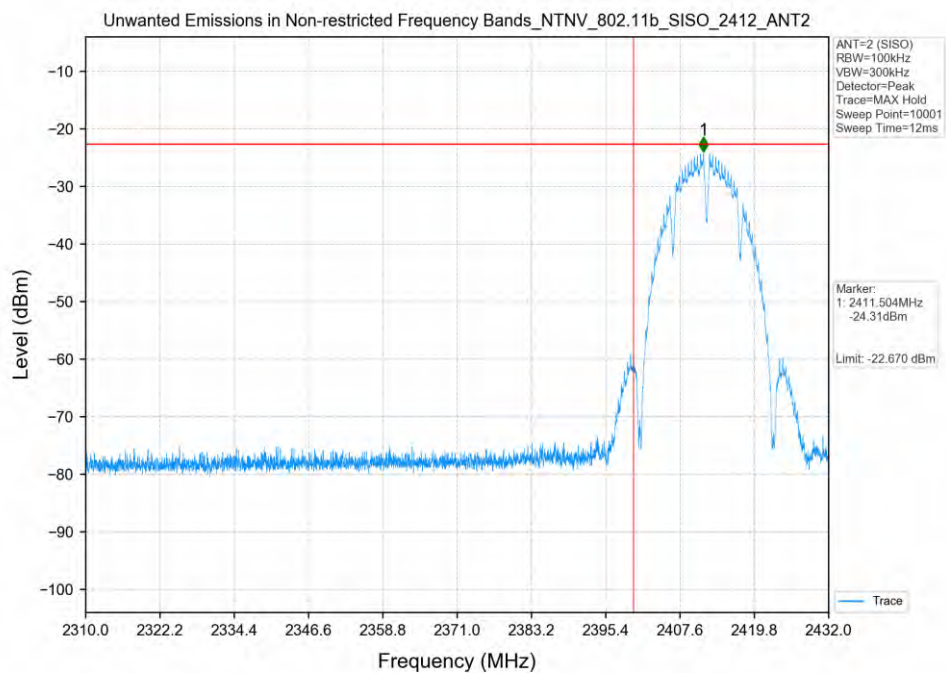




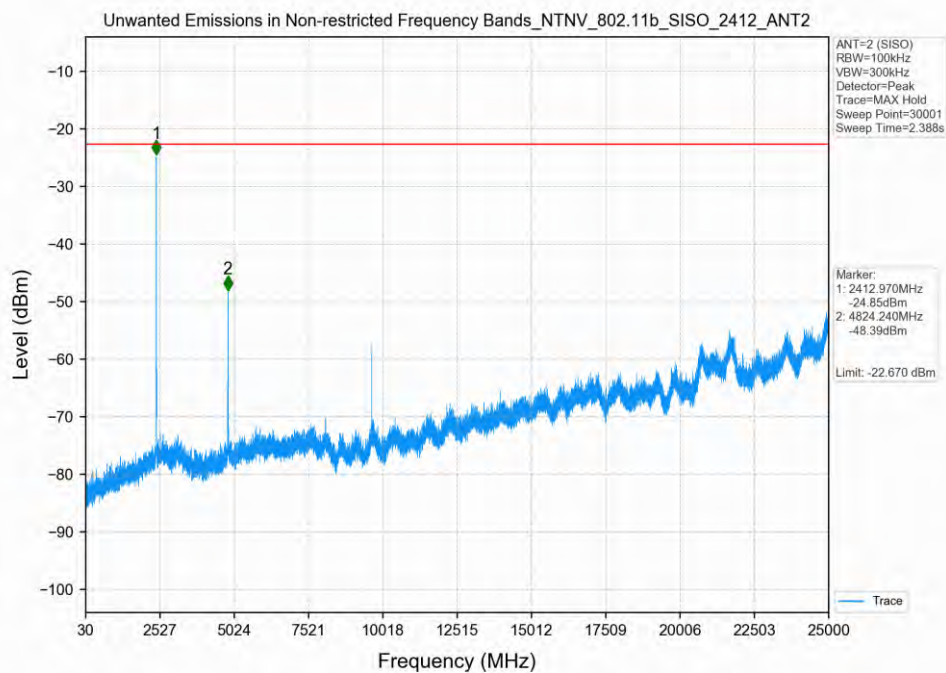
802.11b_2412MHz_SISO_ANT1



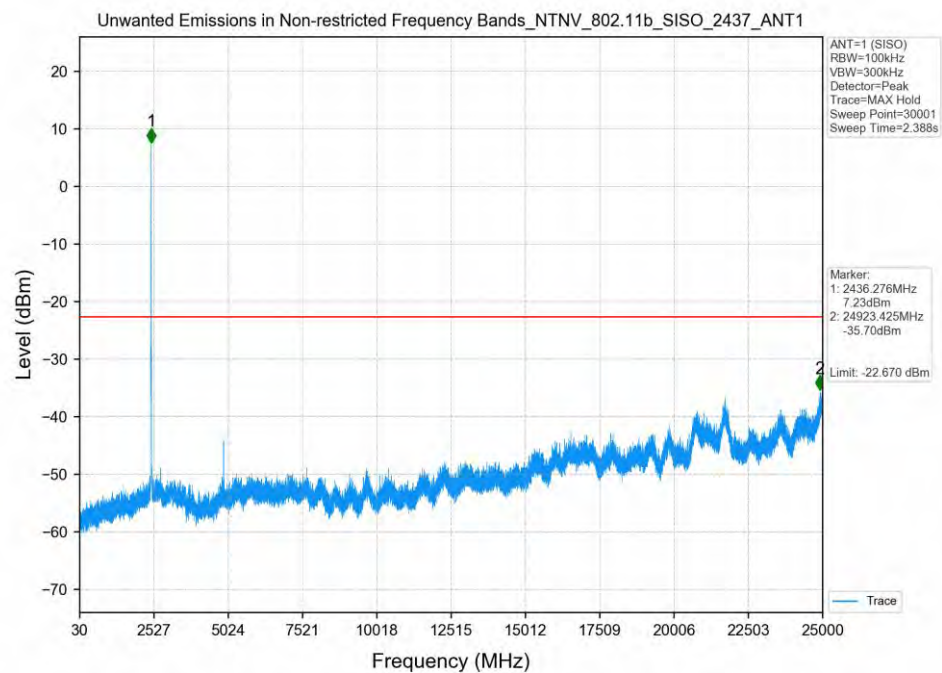
802.11b_2412MHz_SISO_ANT2



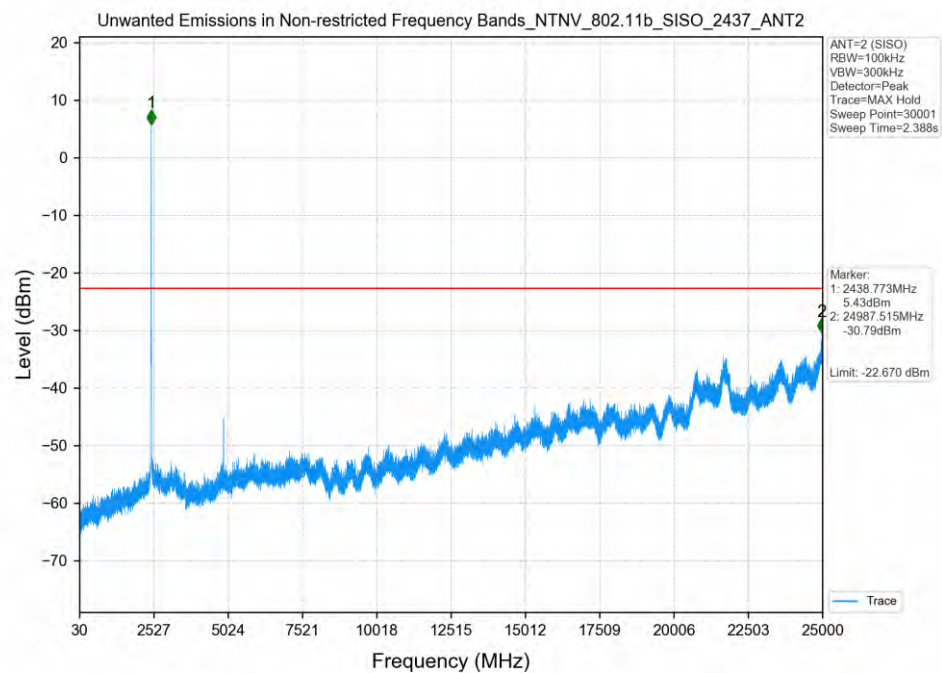
802.11b_2412MHz_SISO_ANT2



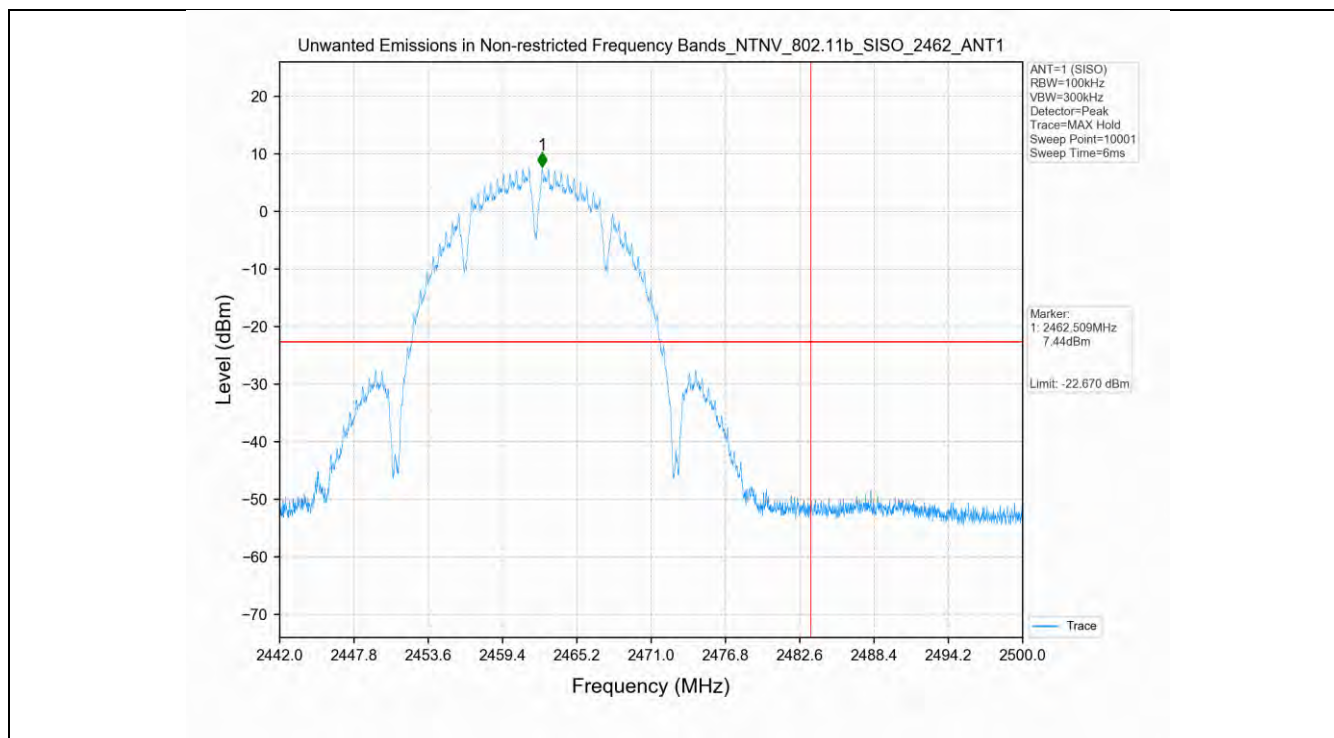
802.11b_2437MHz_SISO_ANT1



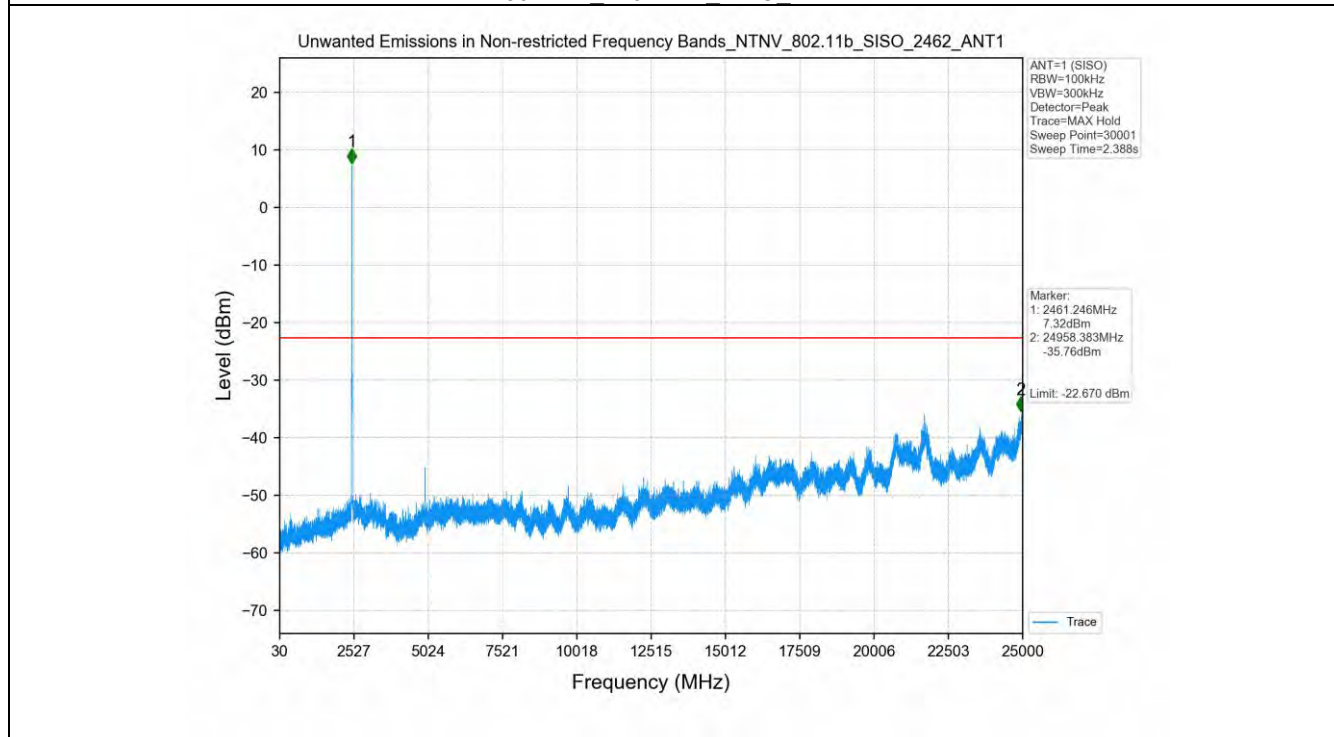
802.11b_2437MHz_SISO_ANT2



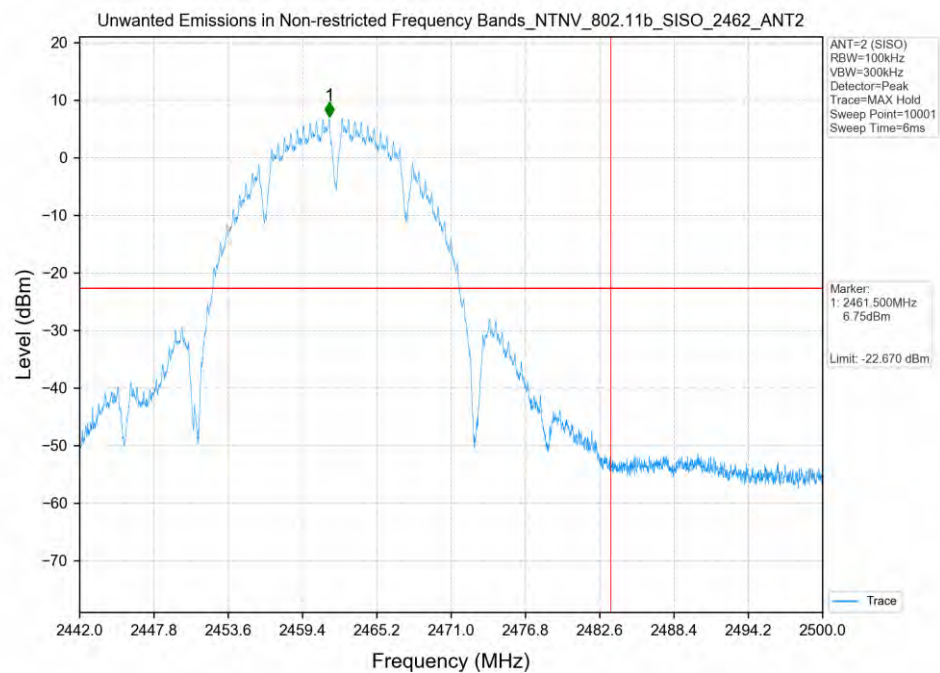
802.11b_2462MHz_SISO_ANT1



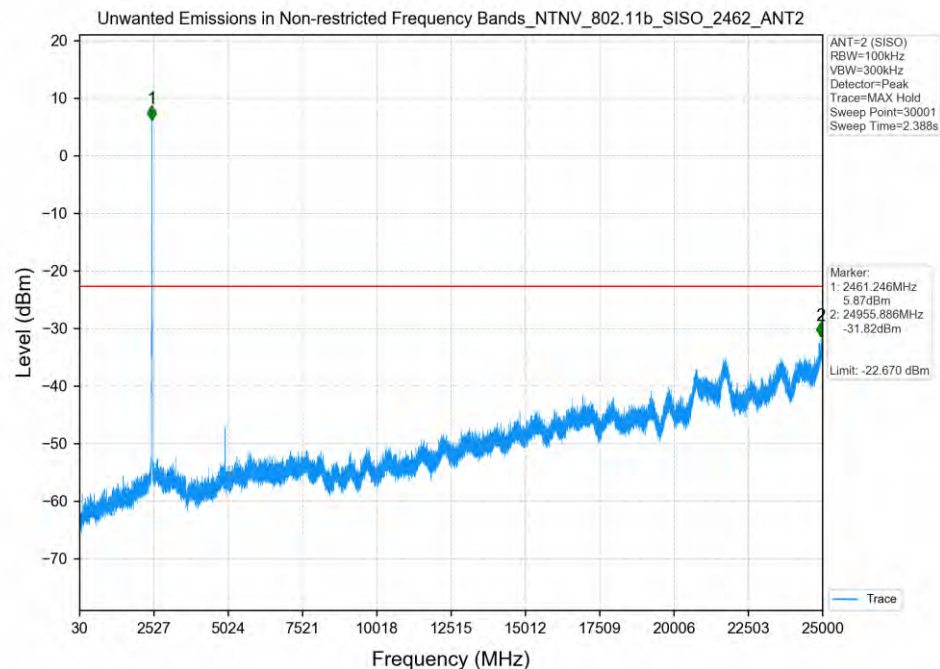
802.11b_2462MHz_SISO_ANT1



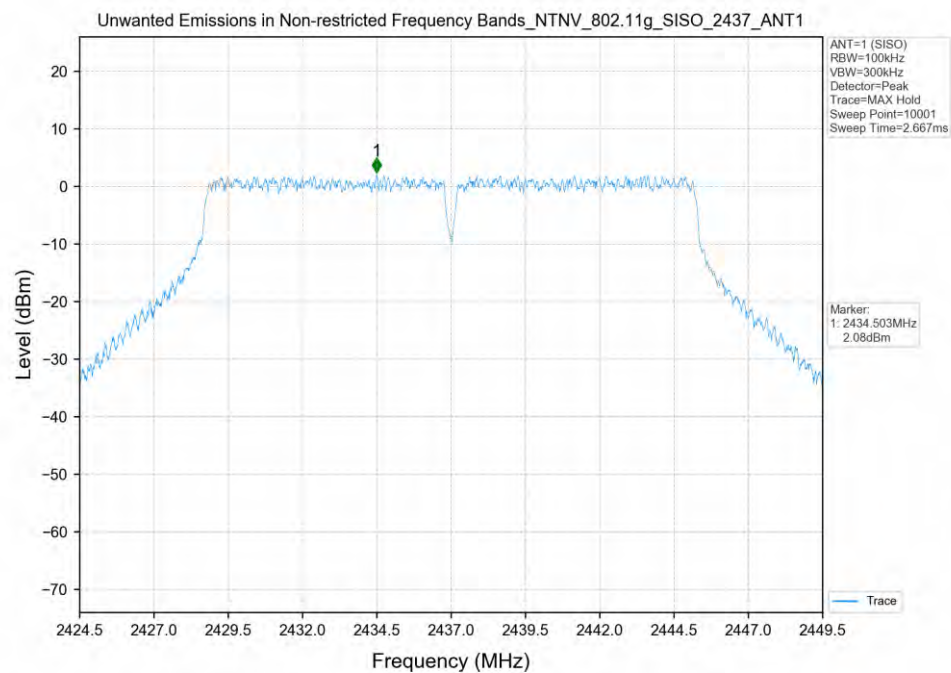
802.11b_2462MHz_SISO_ANT2



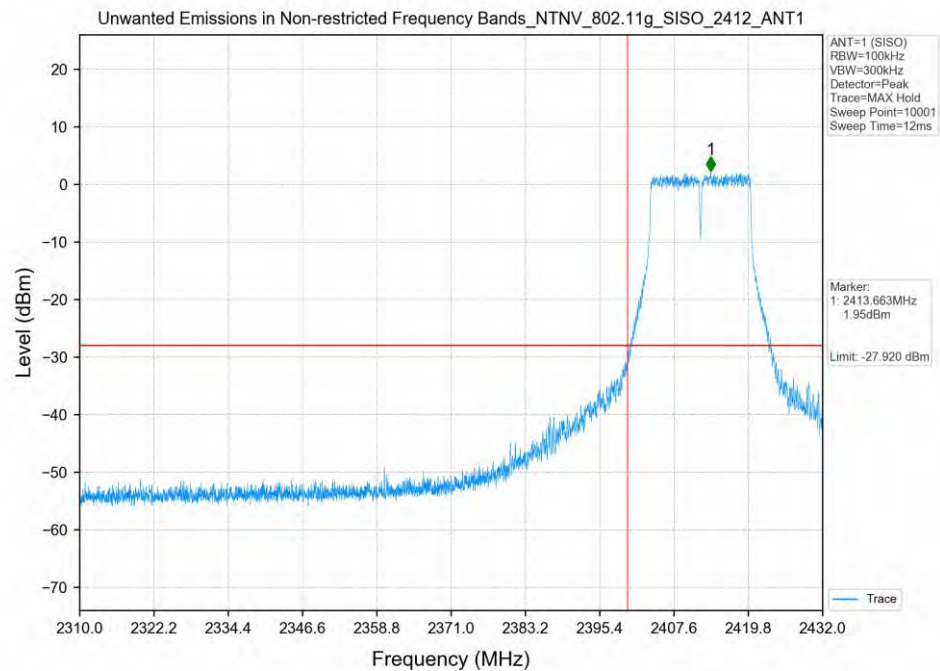
802.11b_2462MHz_SISO_ANT2



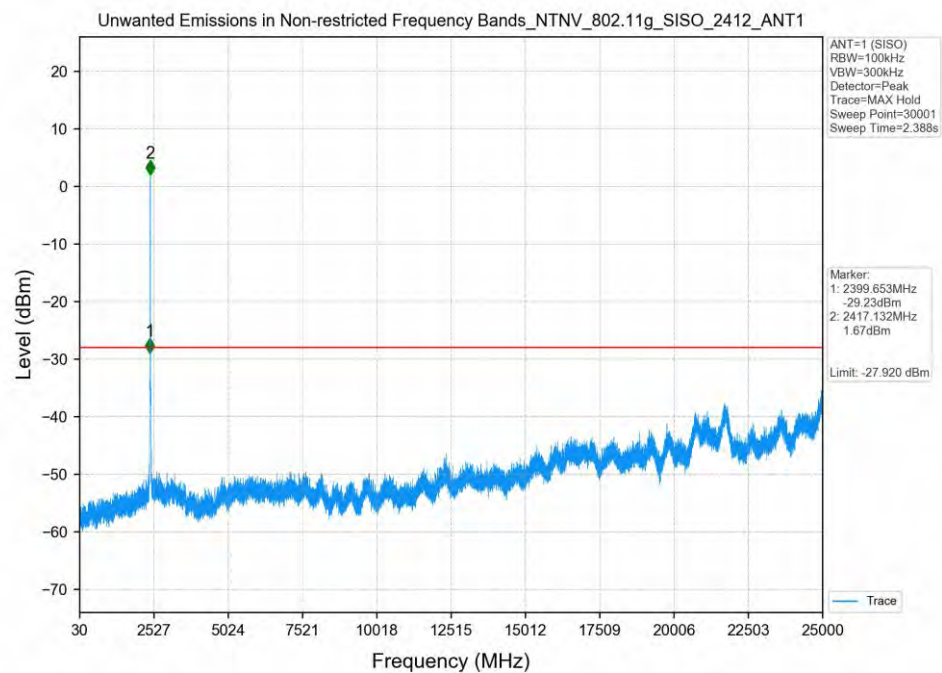
802.11g_SISO_ANT1_REF



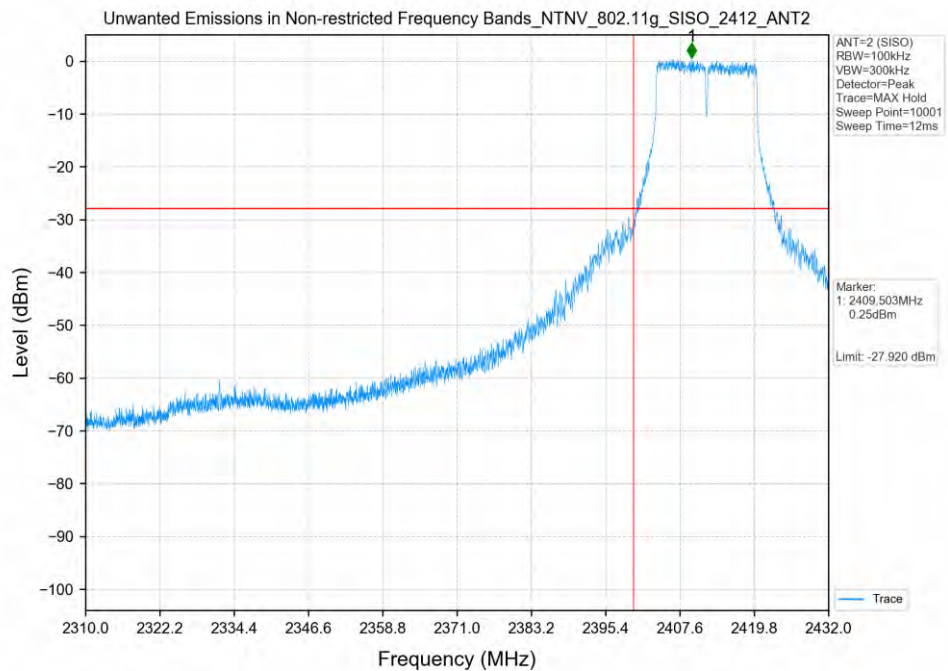
802.11g_2412MHz_SISO_ANT1



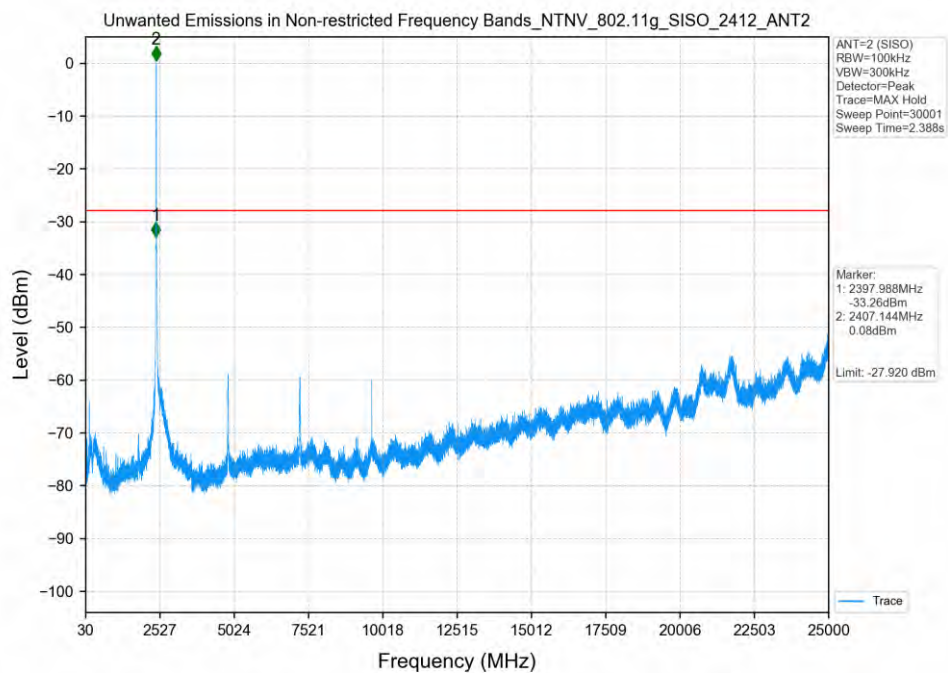
802.11g_2412MHz_SISO_ANT1



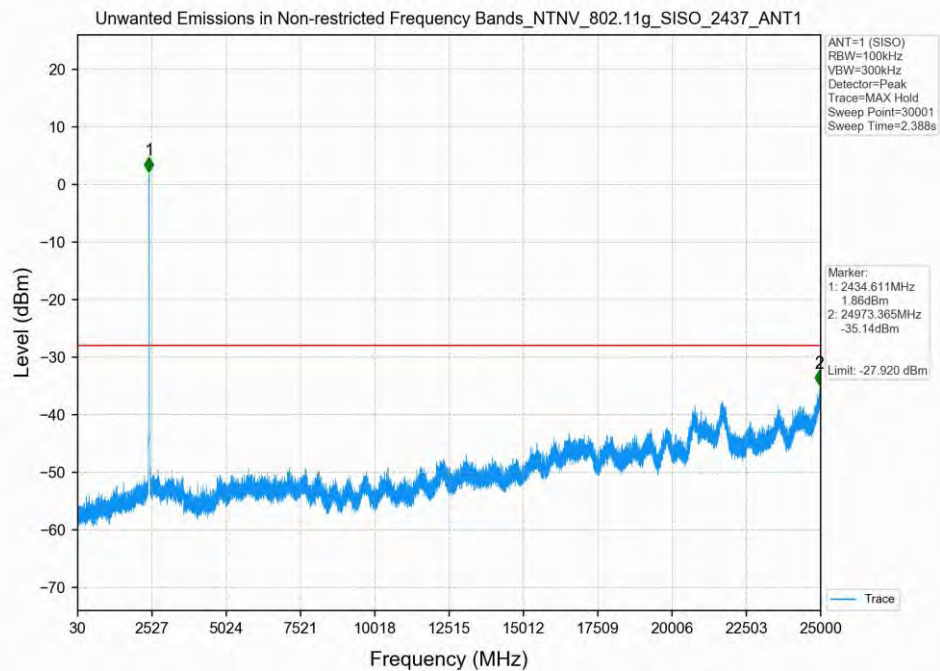
802.11g_2412MHz_SISO_ANT2



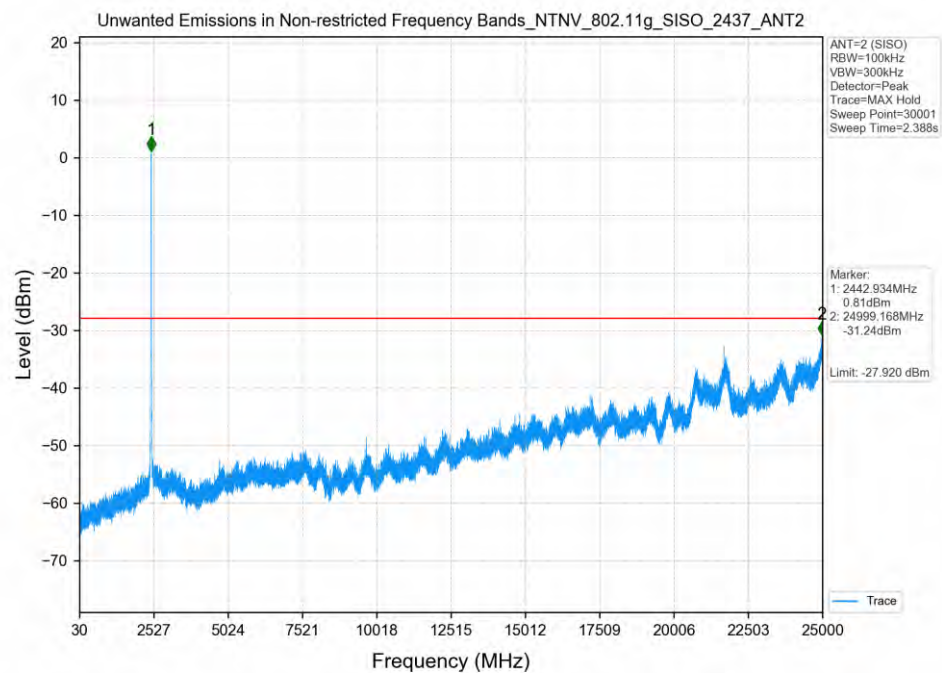
802.11g_2412MHz_SISO_ANT2



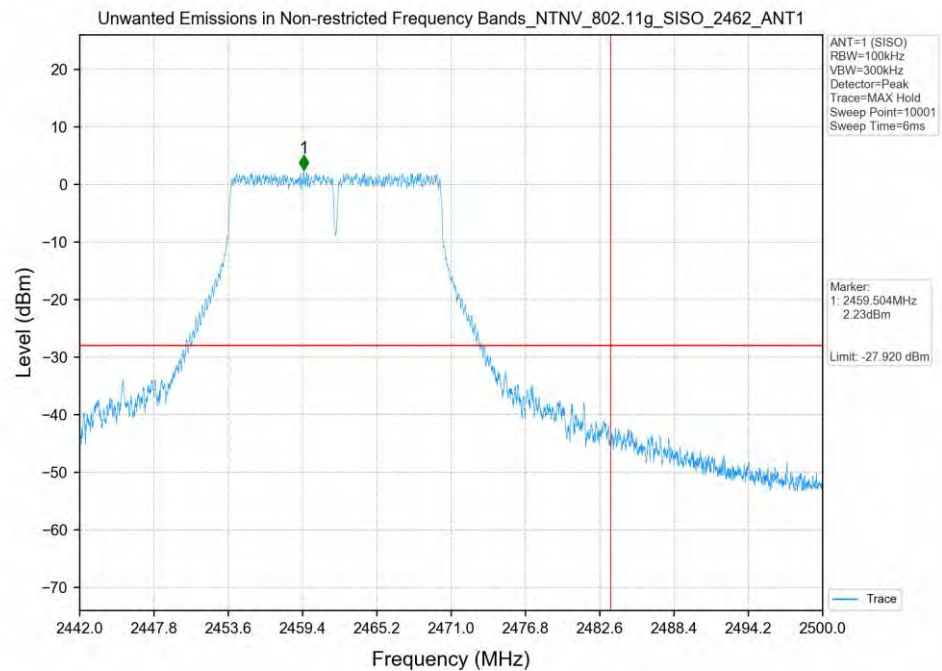
802.11g_2437MHz_SISO_ANT1



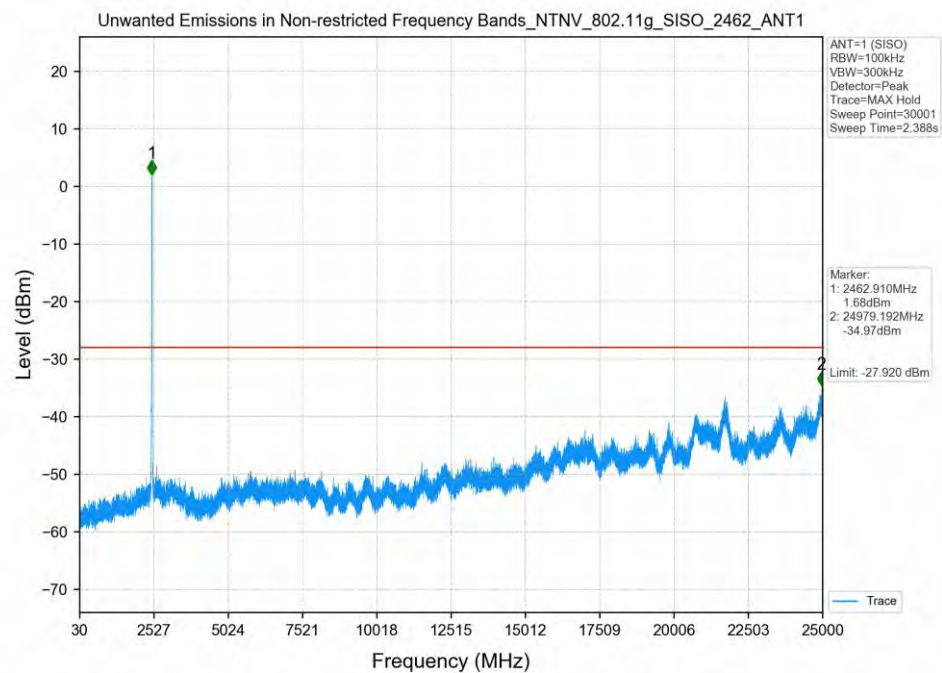
802.11g_2437MHz_SISO_ANT2



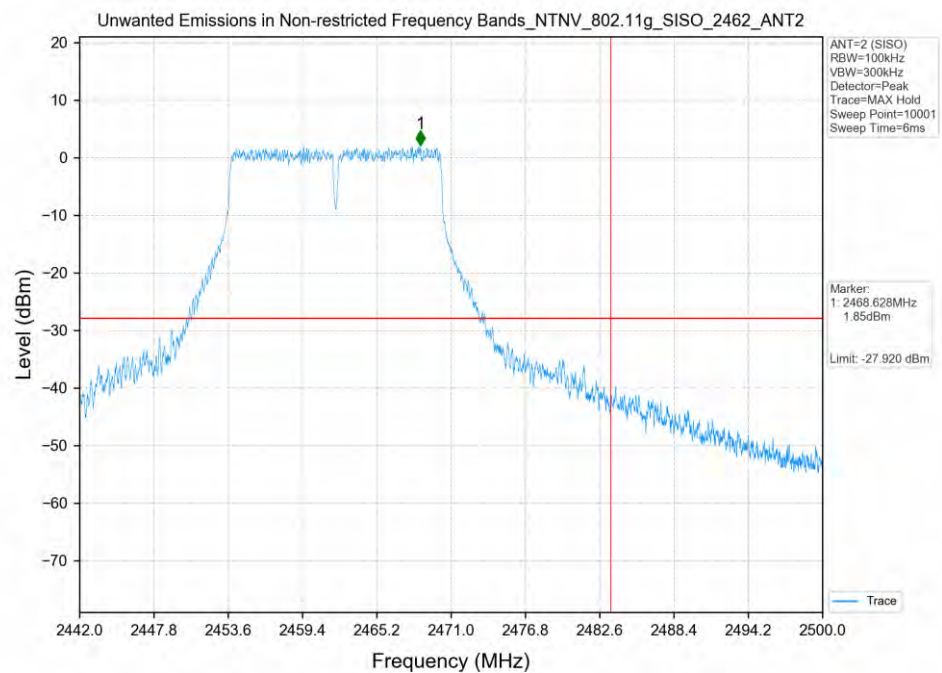
802.11g_2462MHz_SISO_ANT1



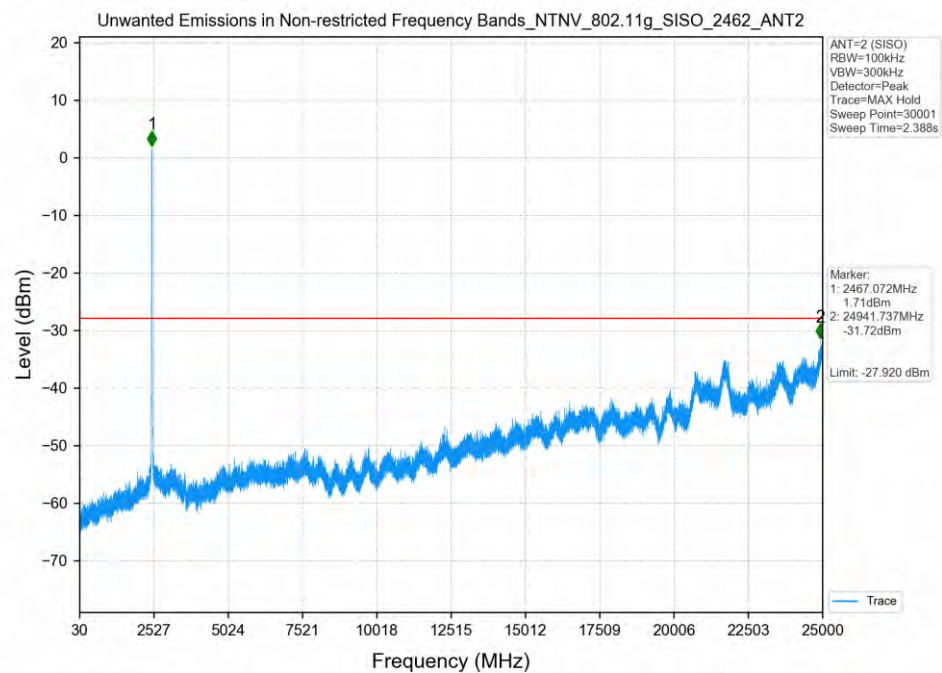
802.11g_2462MHz_SISO_ANT1



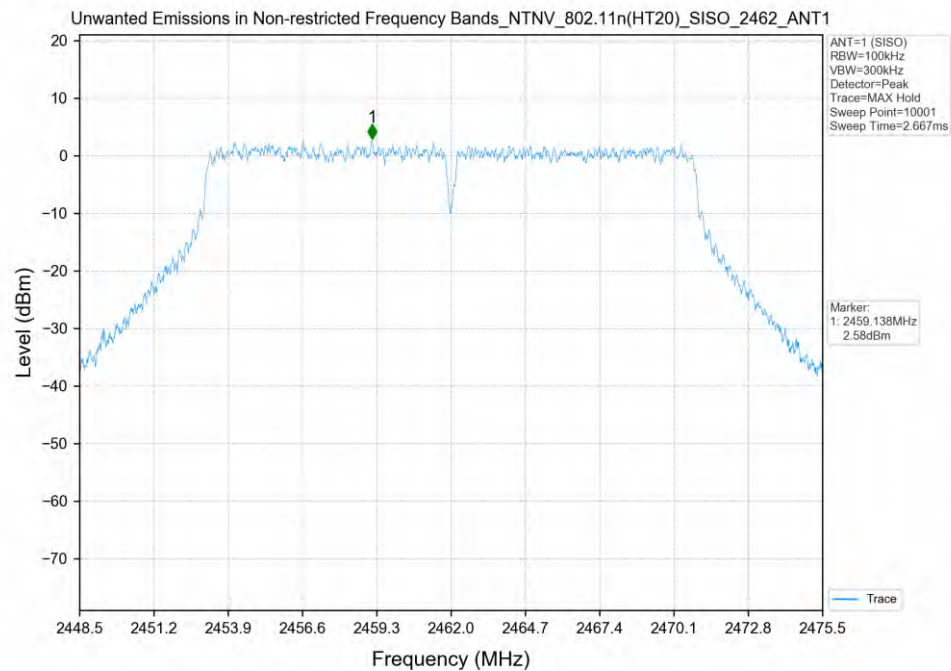
802.11g_2462MHz_SISO_ANT2



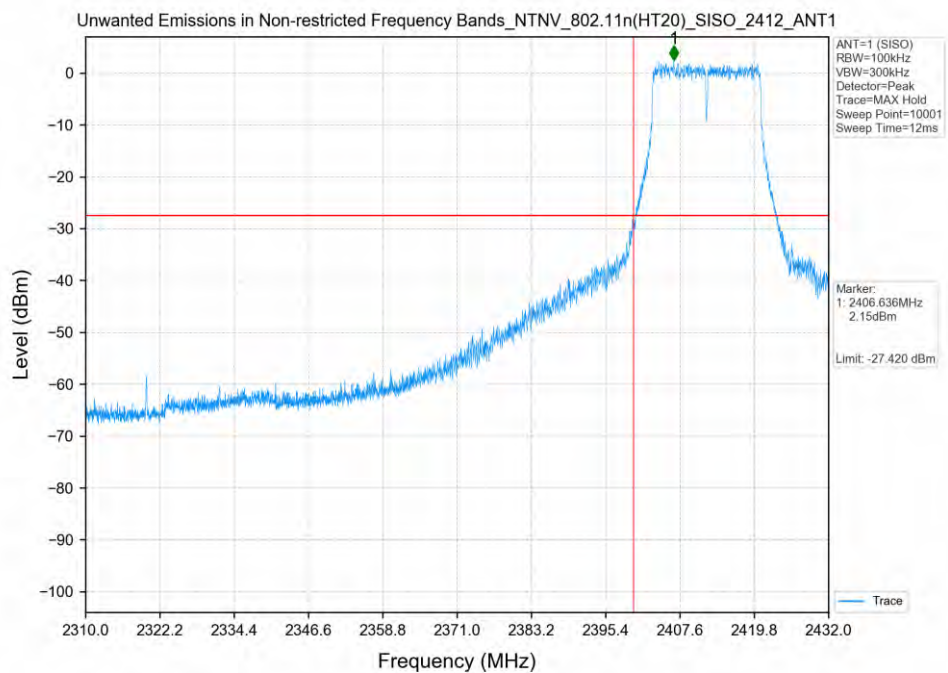
802.11g_2462MHz_SISO_ANT2



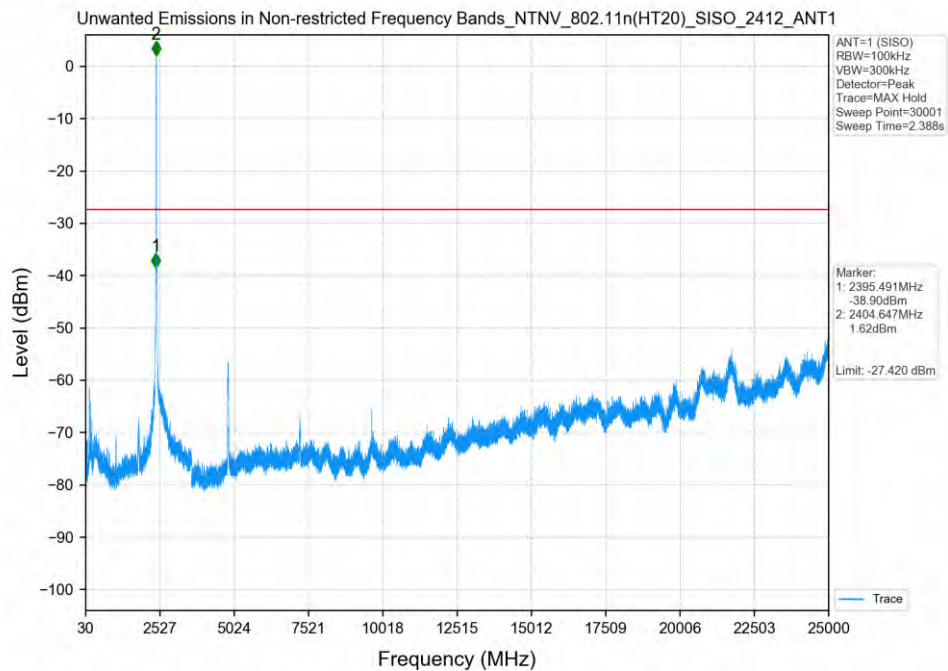
802.11n(HT20)_SISO ANT1_REF



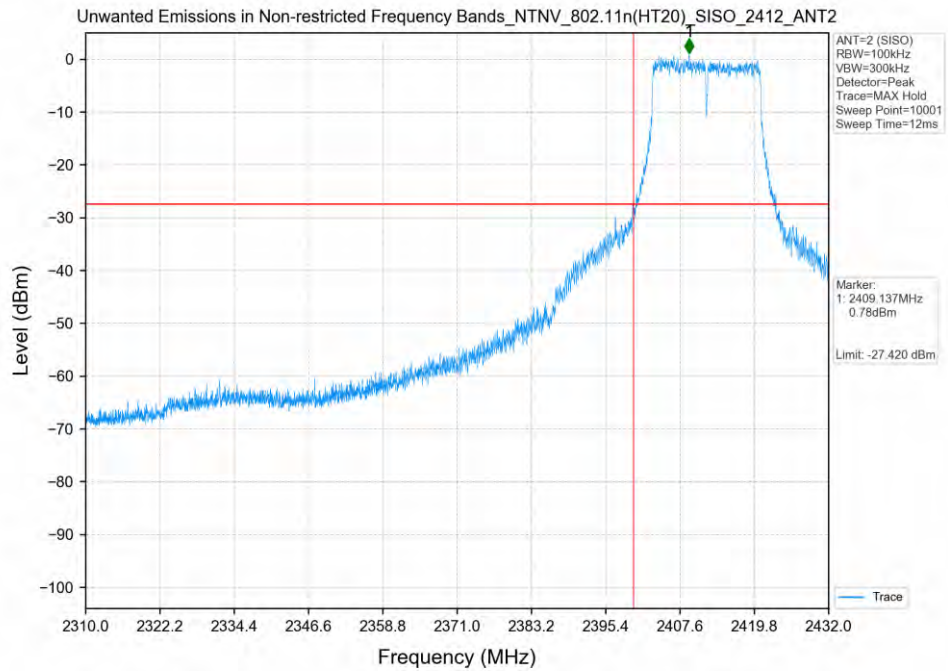
802.11n(HT20)_2412MHz_SISO_ANT1



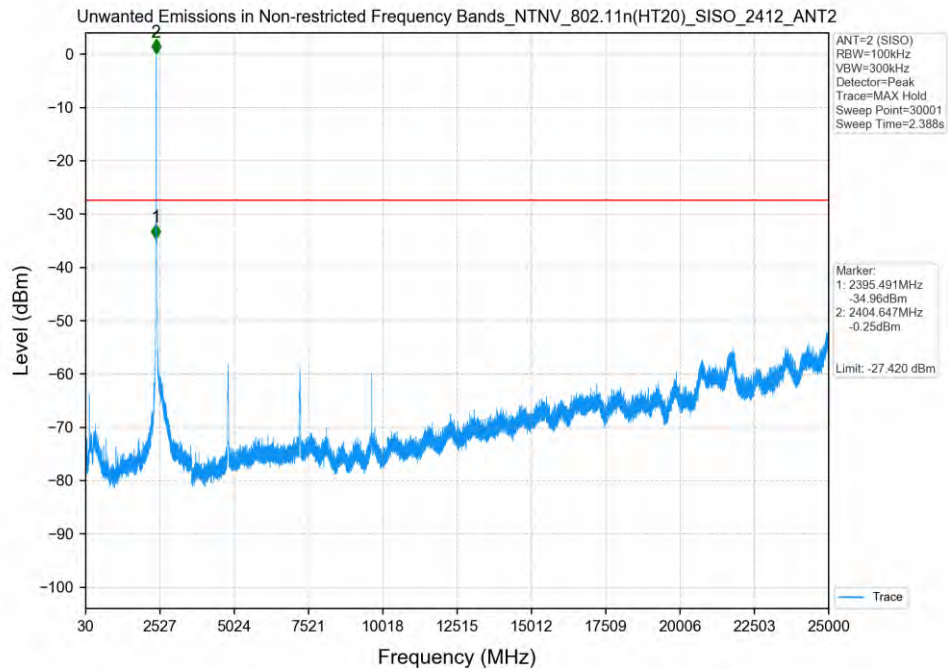
802.11n(HT20)_2412MHz_SISO_ANT1



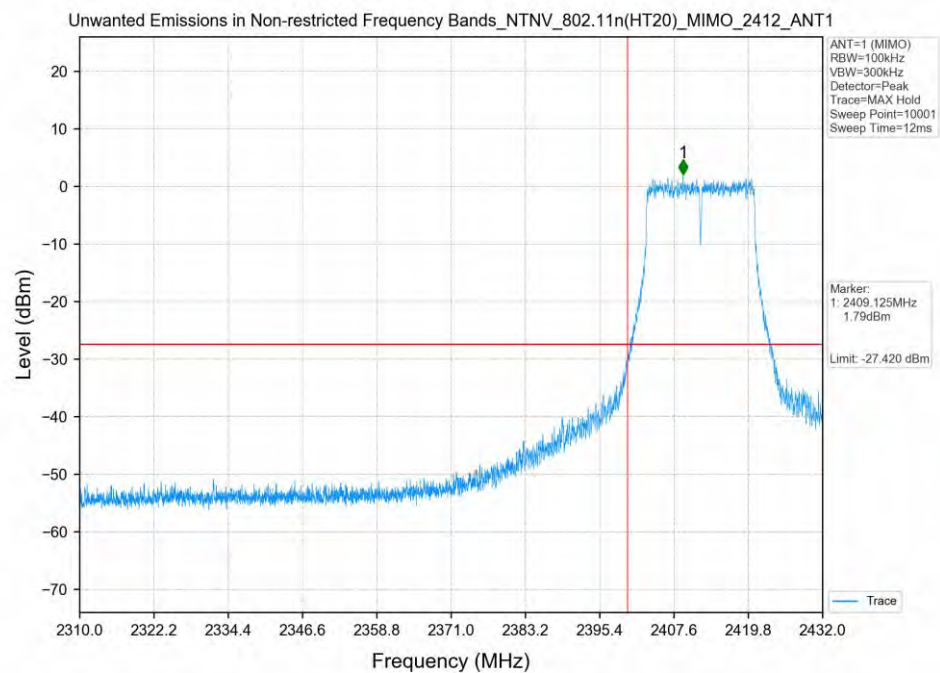
802.11n(HT20)_2412MHz_SISO_ANT2



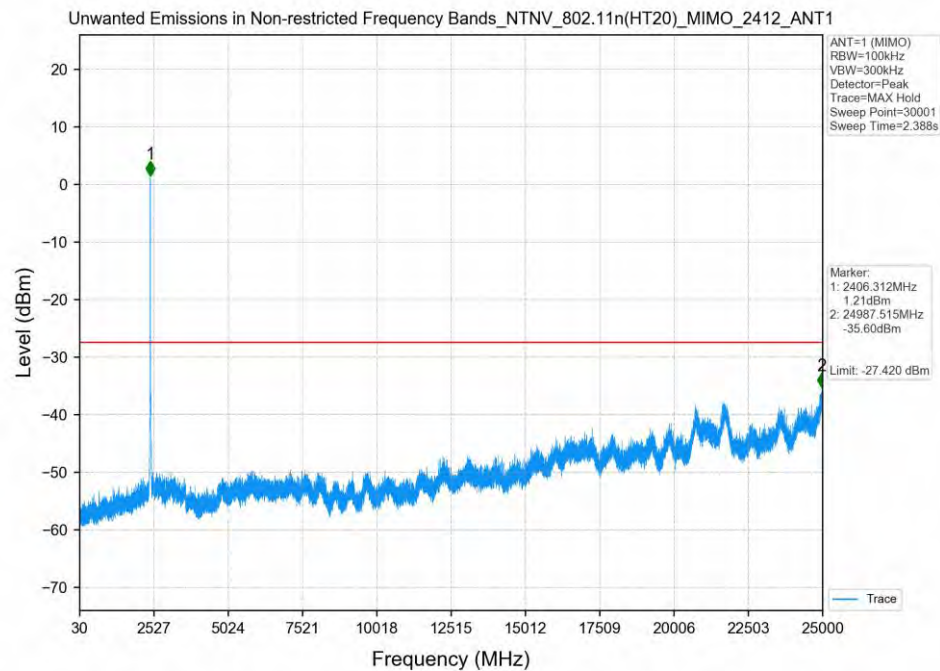
802.11n(HT20)_2412MHz_SISO_ANT2



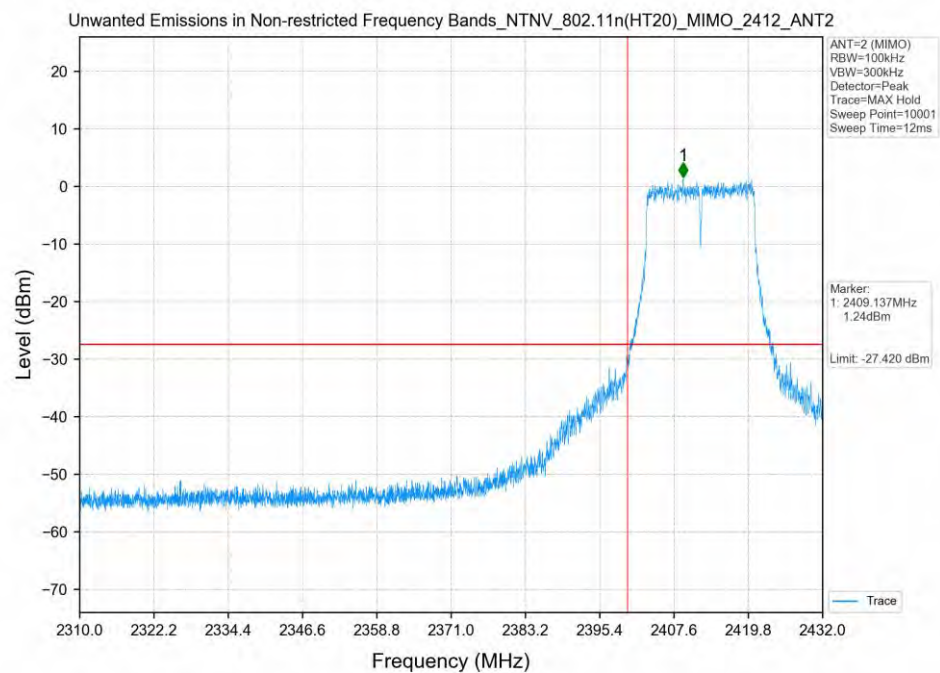
802.11n(HT20)_2412MHz_MIMO_Total



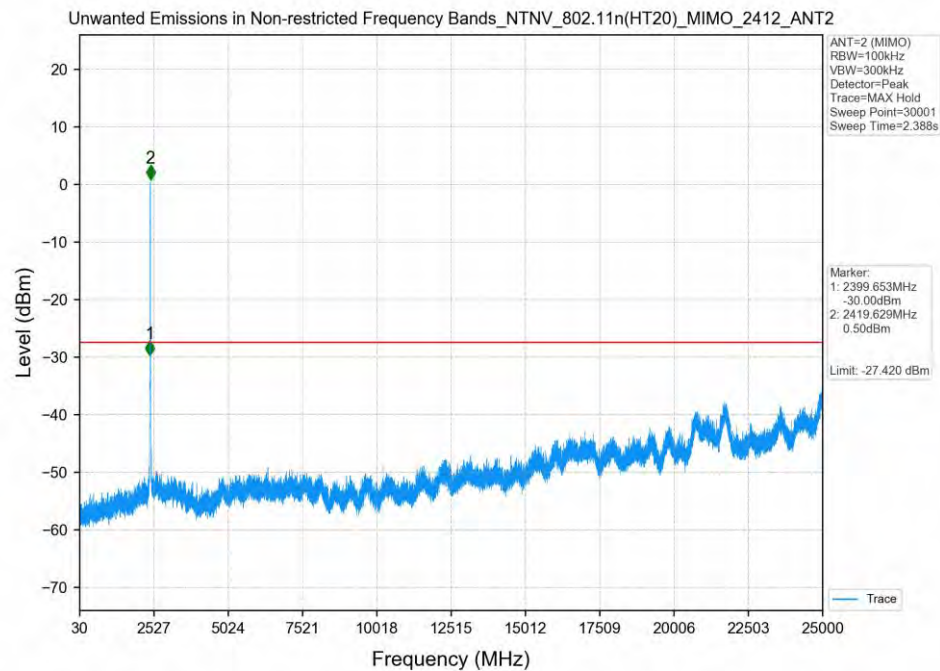
802.11n(HT20)_2412MHz_MIMO_Total



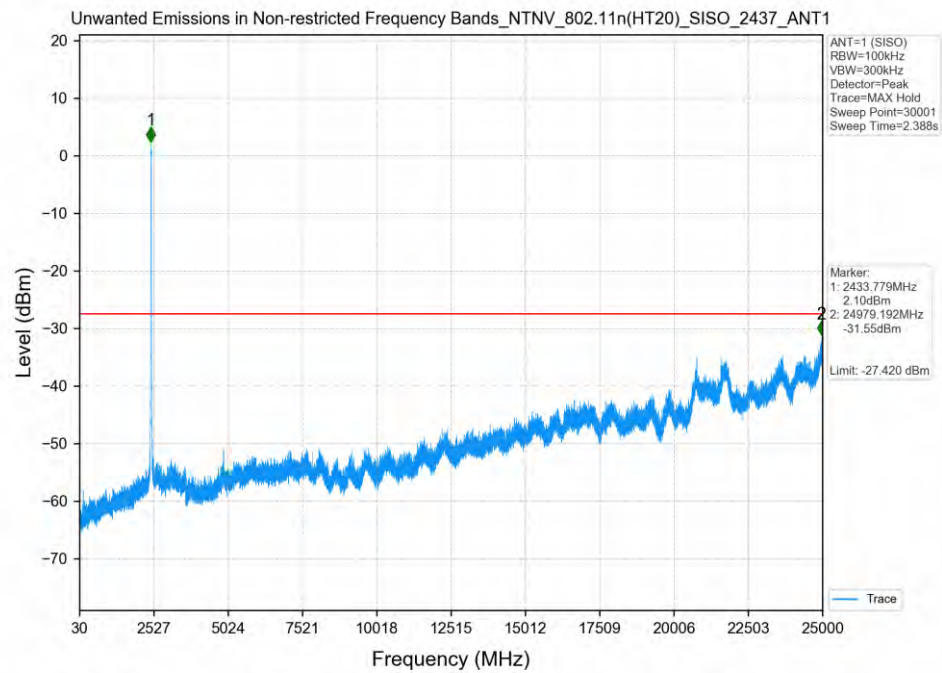
802.11n(HT20)_2412MHz_MIMO_Total



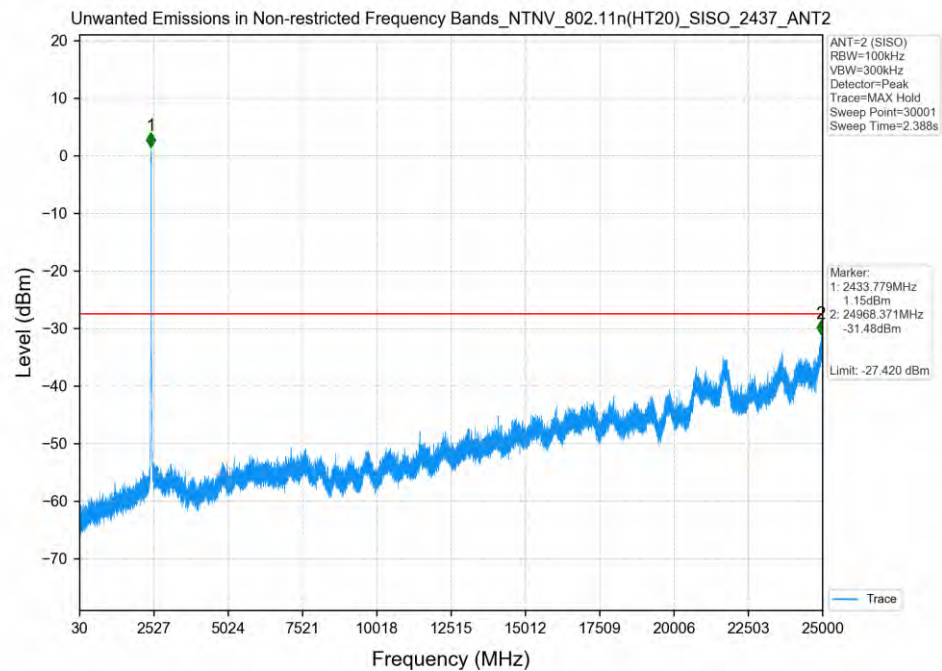
802.11n(HT20)_2412MHz_MIMO_Total



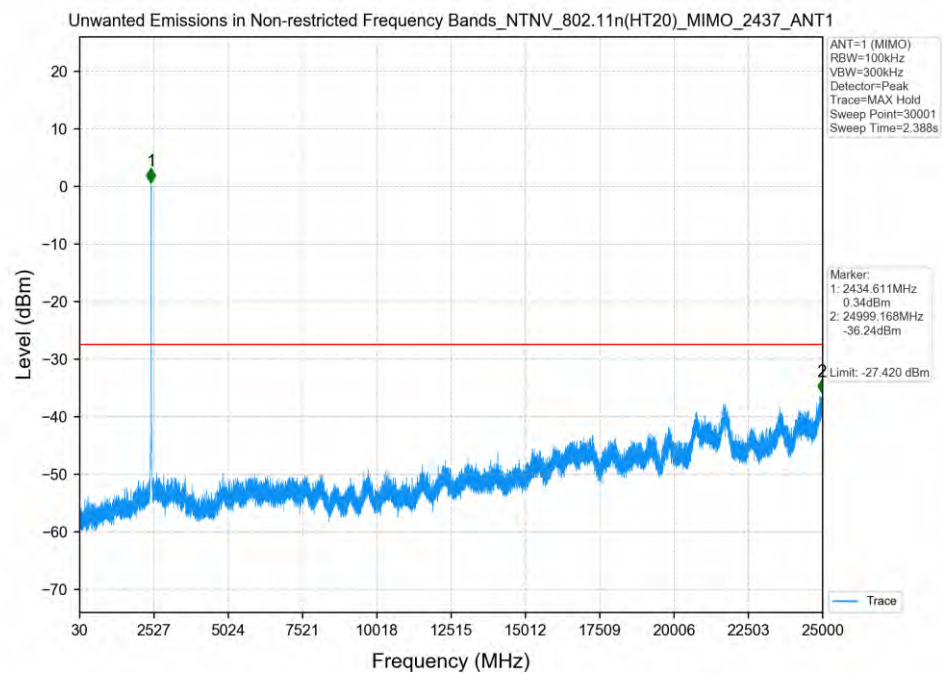
802.11n(HT20)_2437MHz_SISO_ANT1



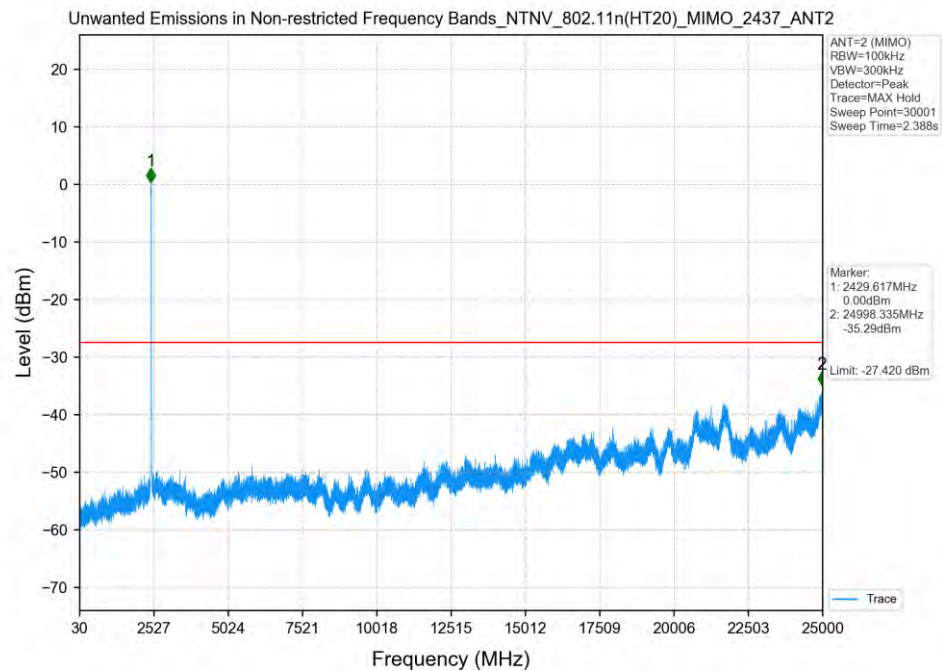
802.11n(HT20)_2437MHz_SISO_ANT2



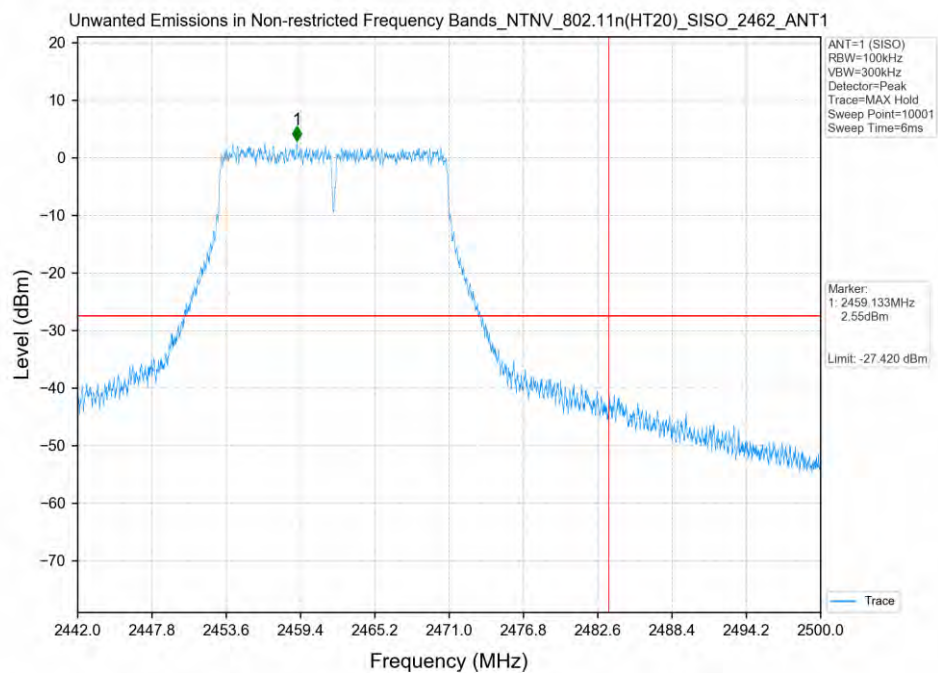
802.11n(HT20)_2437MHz_MIMO_Total



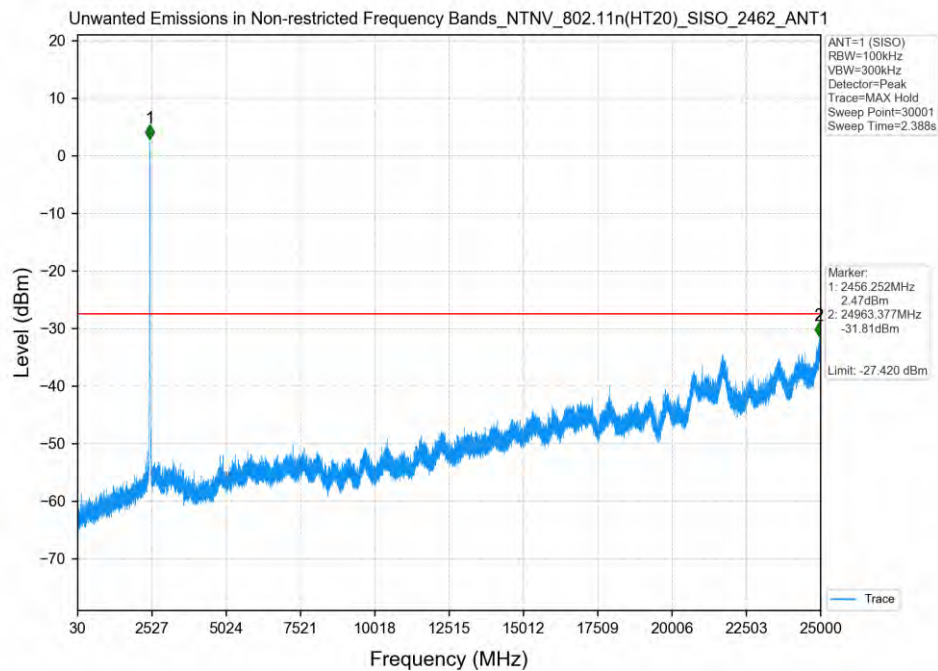
802.11n(HT20)_2437MHz_MIMO_Total



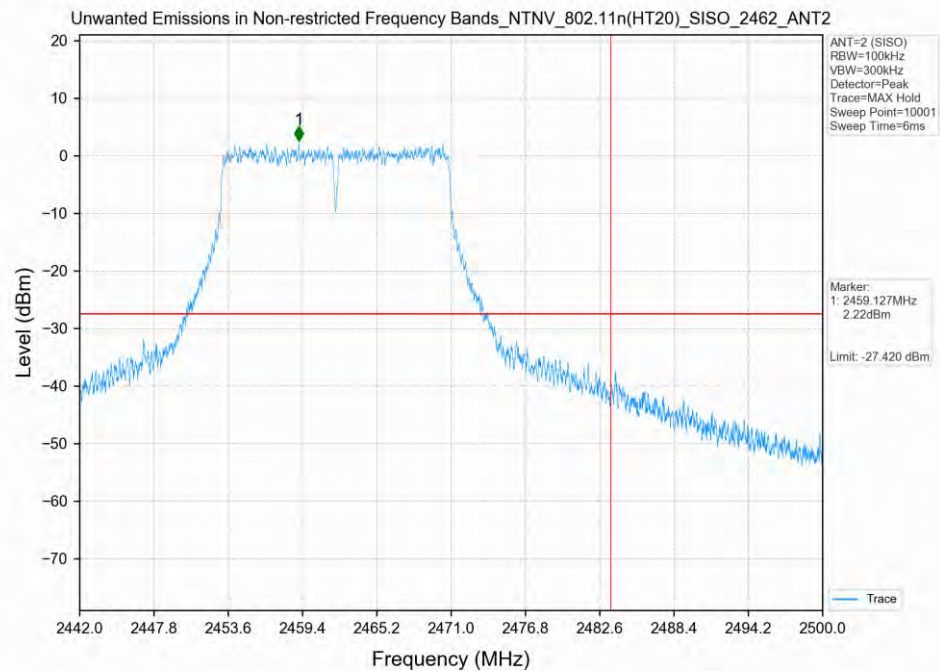
802.11n(HT20)_2462MHz_SISO_ANT1



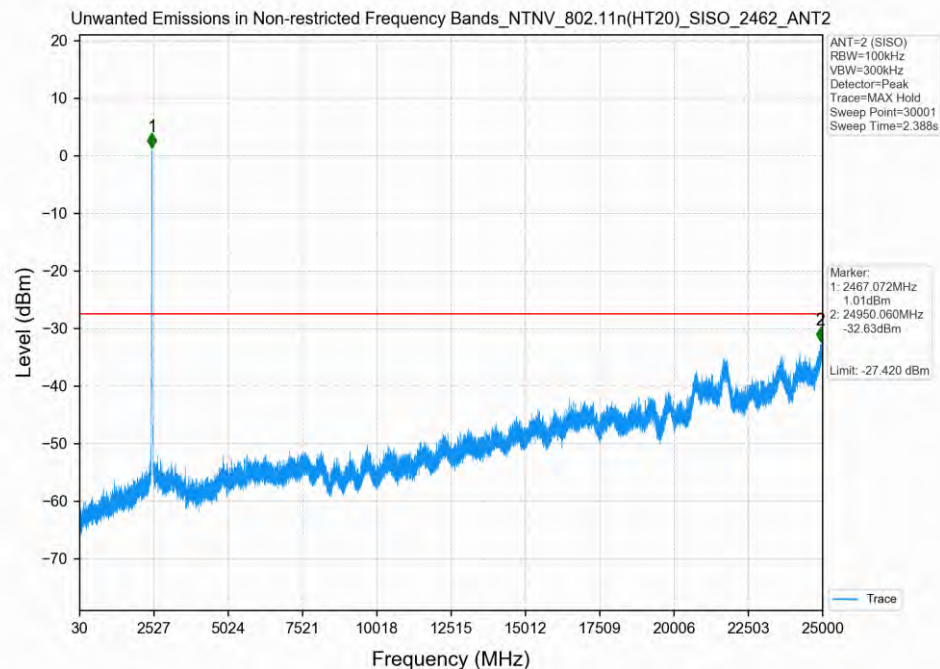
802.11n(HT20)_2462MHz_SISO_ANT1



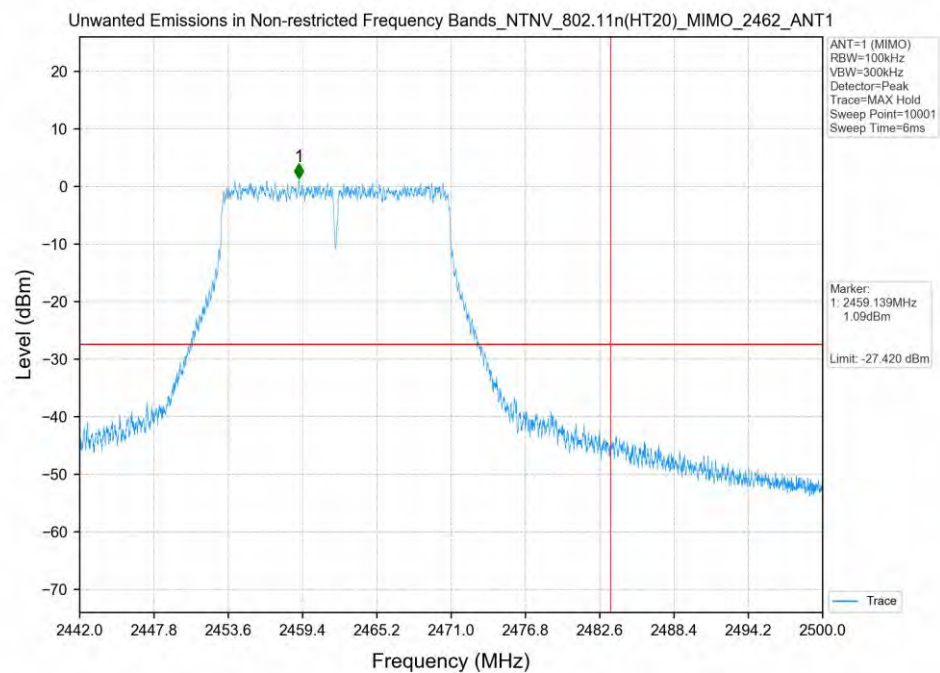
802.11n(HT20)_2462MHz_SISO_ANT2



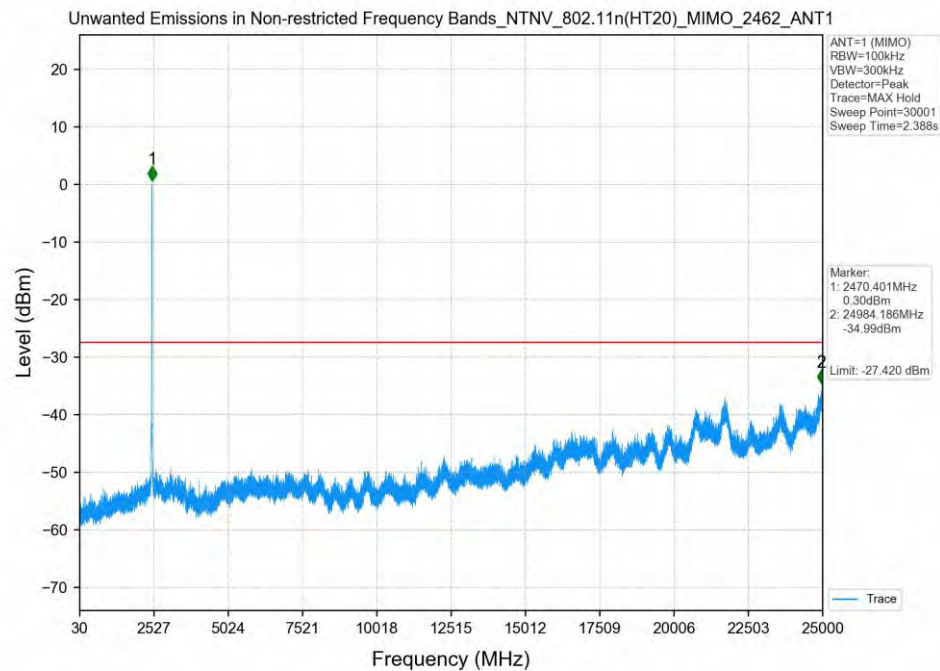
802.11n(HT20)_2462MHz_SISO_ANT2



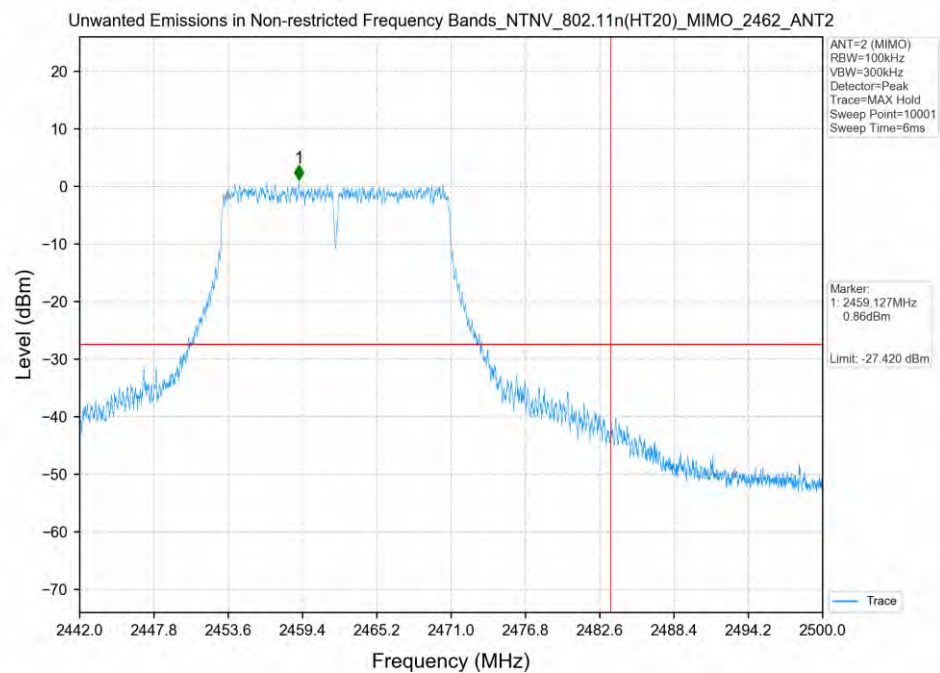
802.11n(HT20)_2462MHz_MIMO_Total



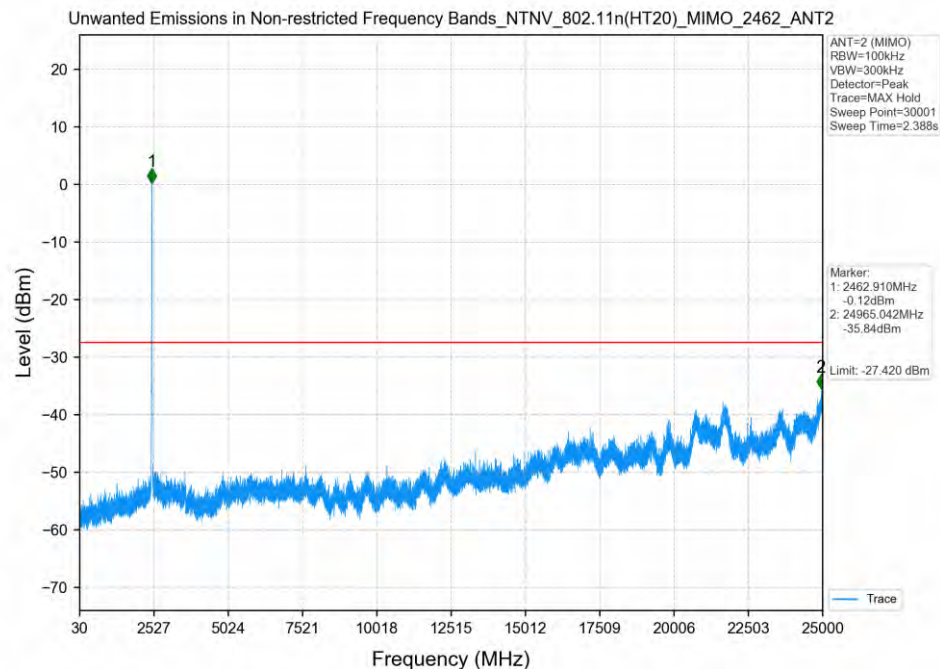
802.11n(HT20) 2462MHz MIMO Total



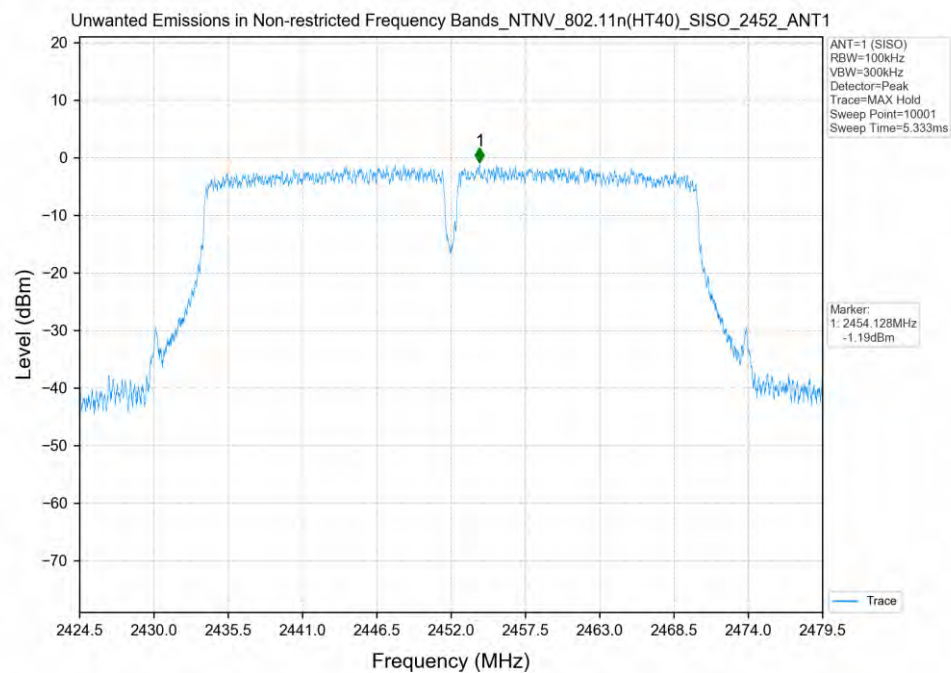
802.11n(HT20) 2462MHz MIMO Total



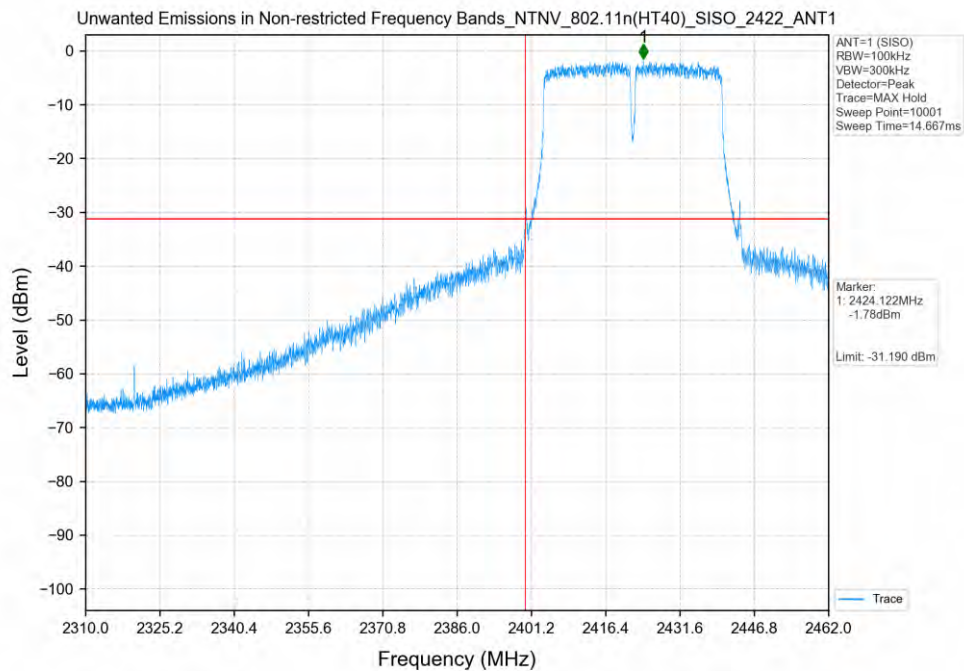
802.11n(HT20) 2462MHz MIMO Total



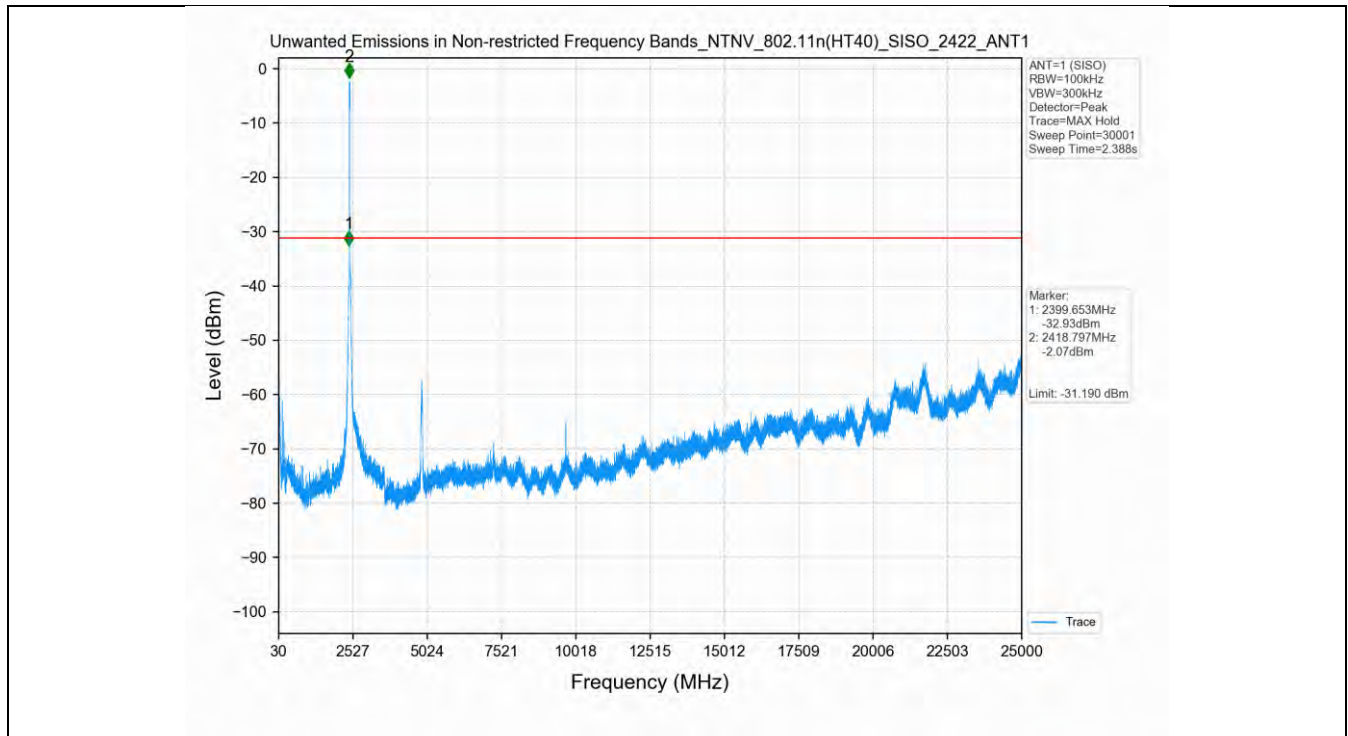
802.11n(HT40)_SISO_ANT1_REF



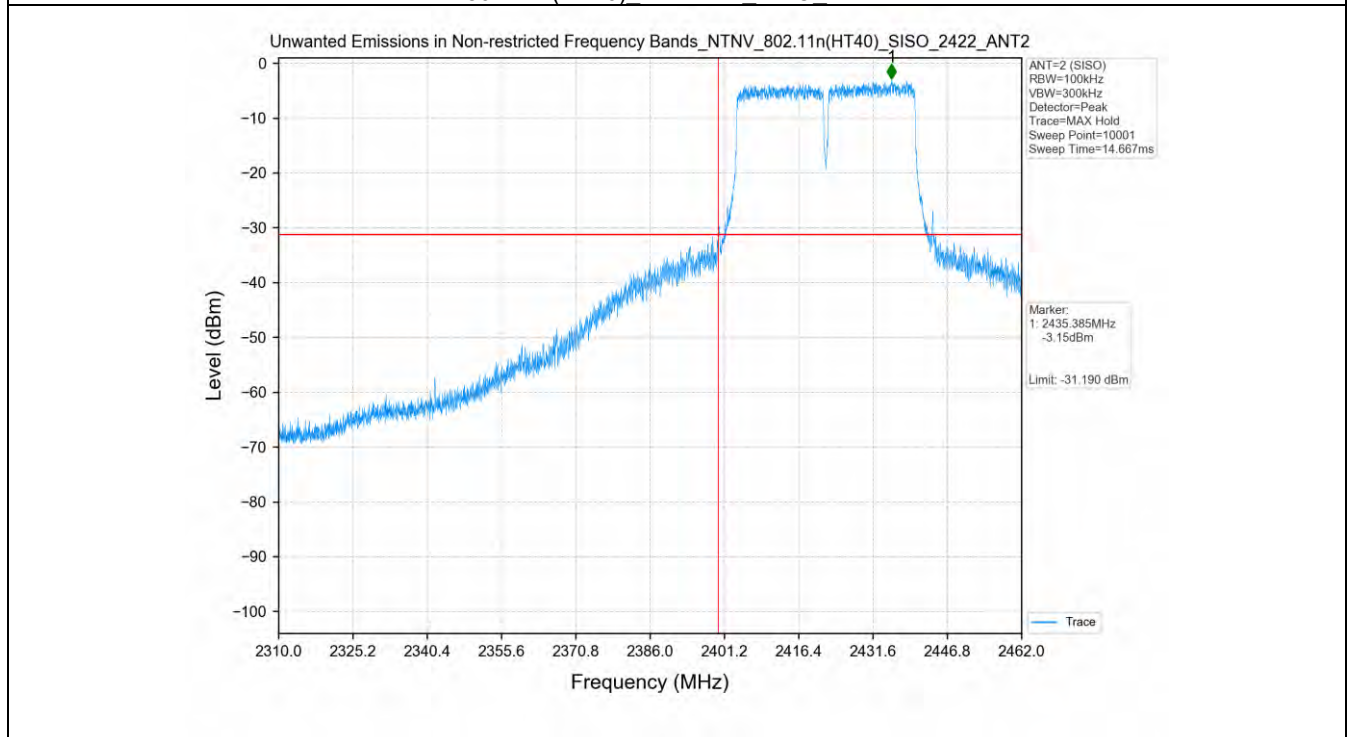
802.11n(HT40)_2422MHz_SISO_ANT1



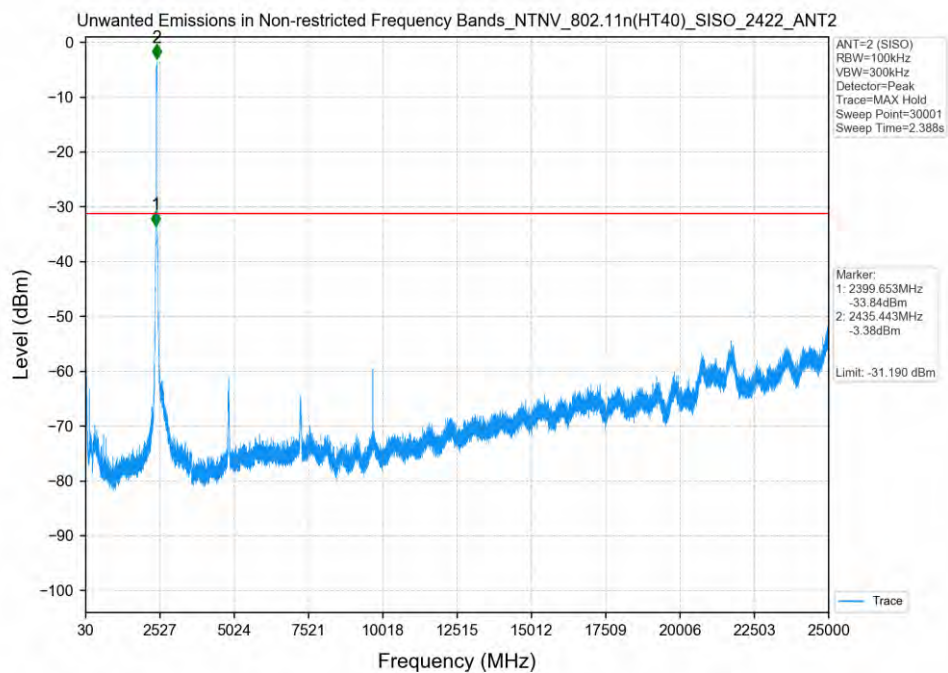
802.11n(HT40)_2422MHz_SISO_ANT1



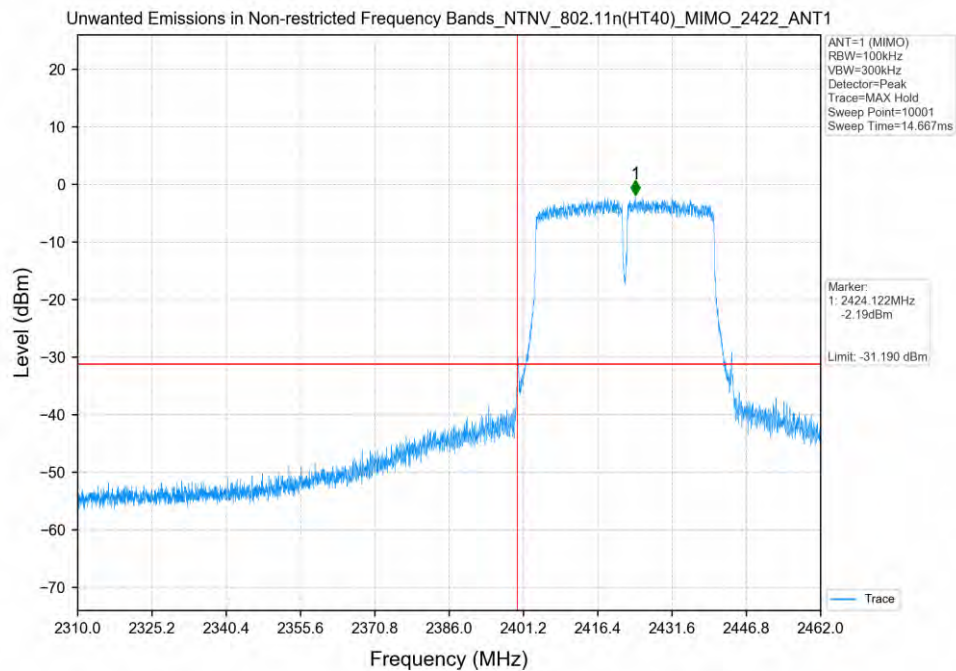
802.11n(HT40)_2422MHz_SISO_ANT2



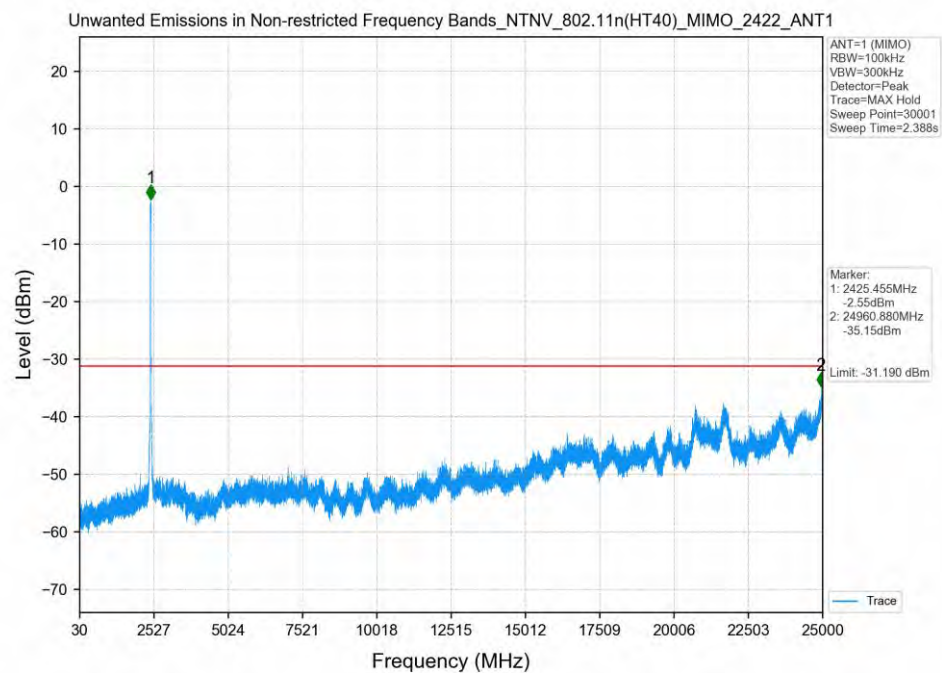
802.11n(HT40)_2422MHz_SISO_ANT2



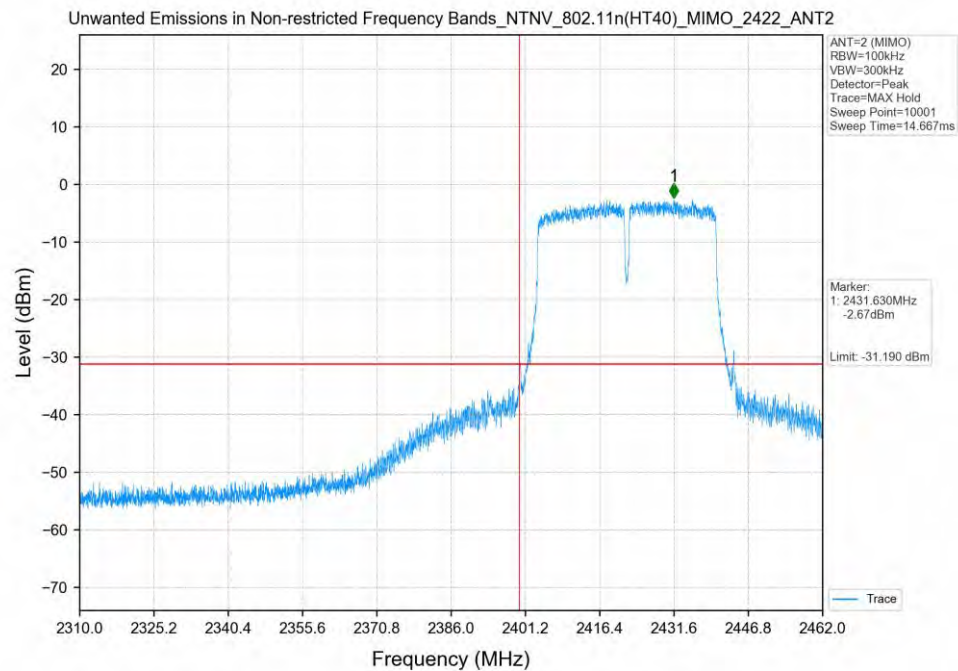
802.11n(HT40)_2422MHz_MIMO_Total



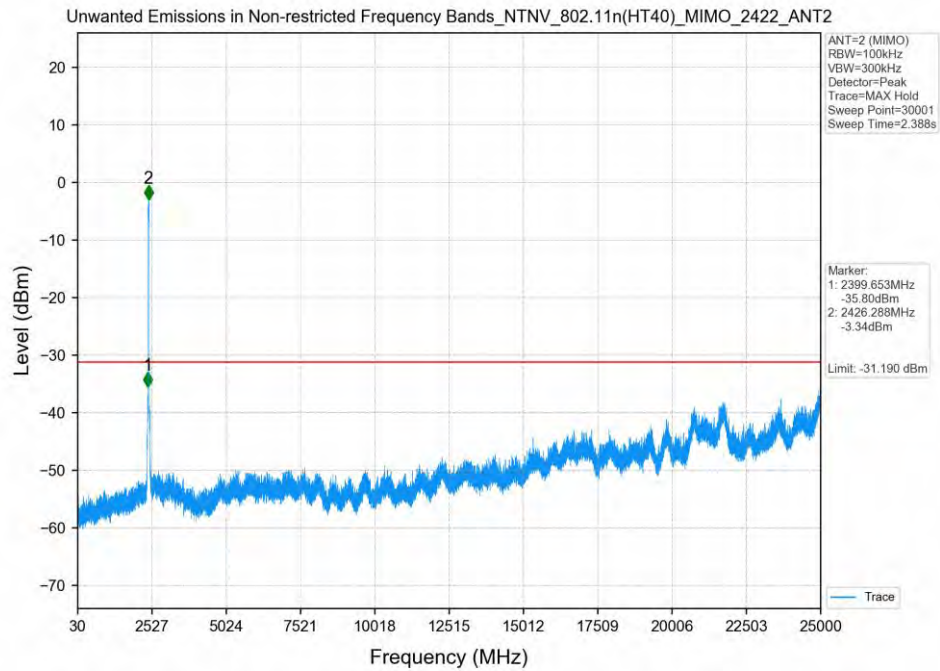
802.11n(HT40)_2422MHz_MIMO_Total



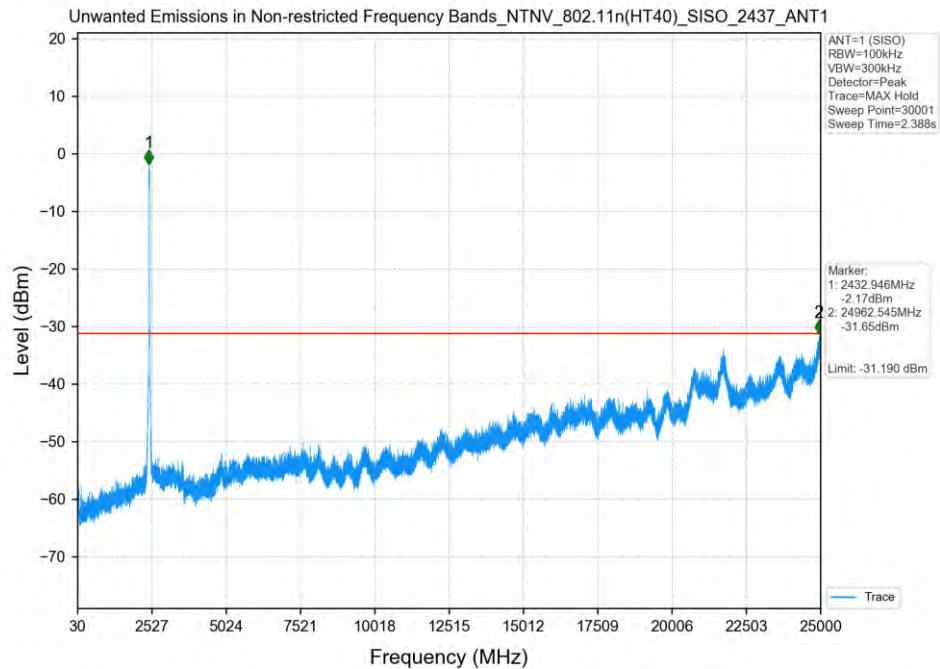
802.11n(HT40)_2422MHz_MIMO_Total



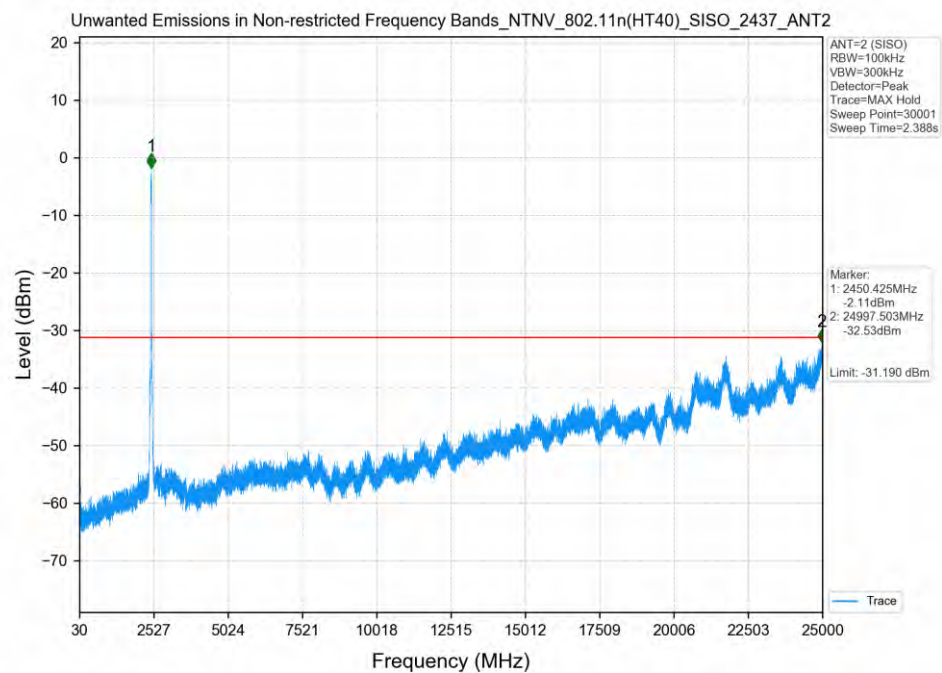
802.11n(HT40)_2422MHz_MIMO_Total



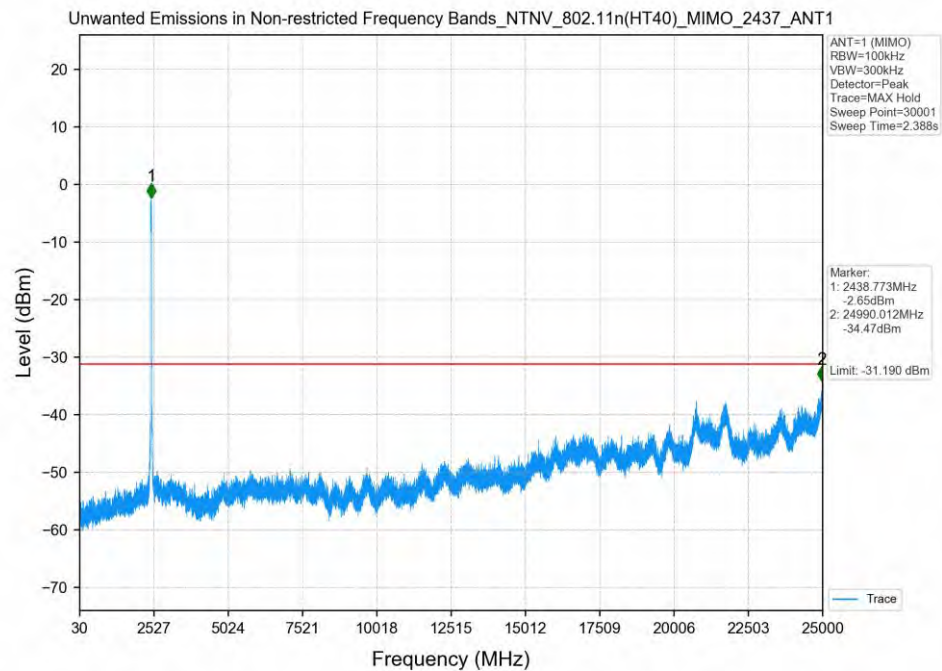
802.11n(HT40)_2437MHz_SISO_ANT1



802.11n(HT40)_2437MHz_SISO_ANT2



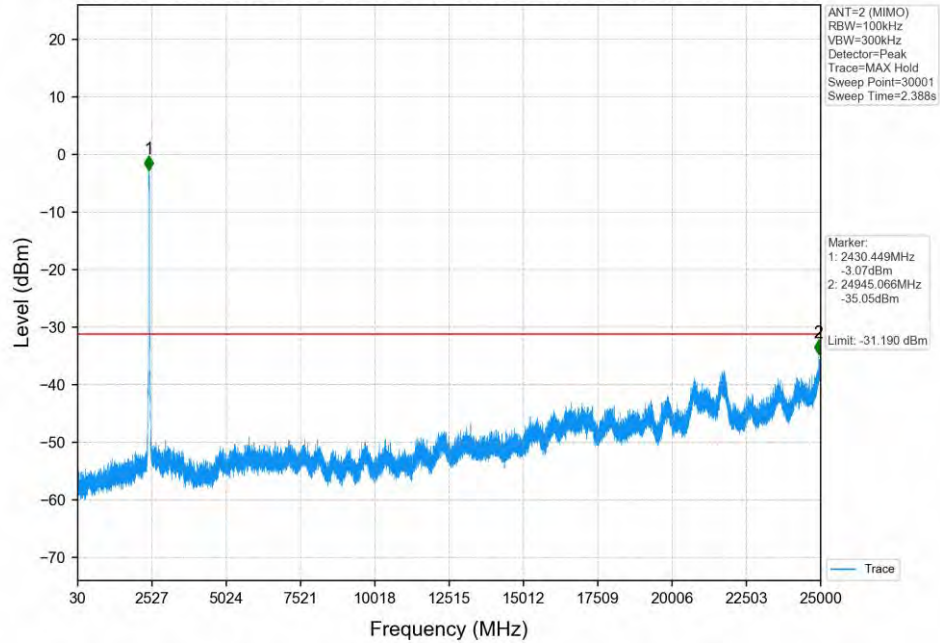
802.11n(HT40)_2437MHz_MIMO_Total



802.11n(HT40)_2437MHz_MIMO_Total

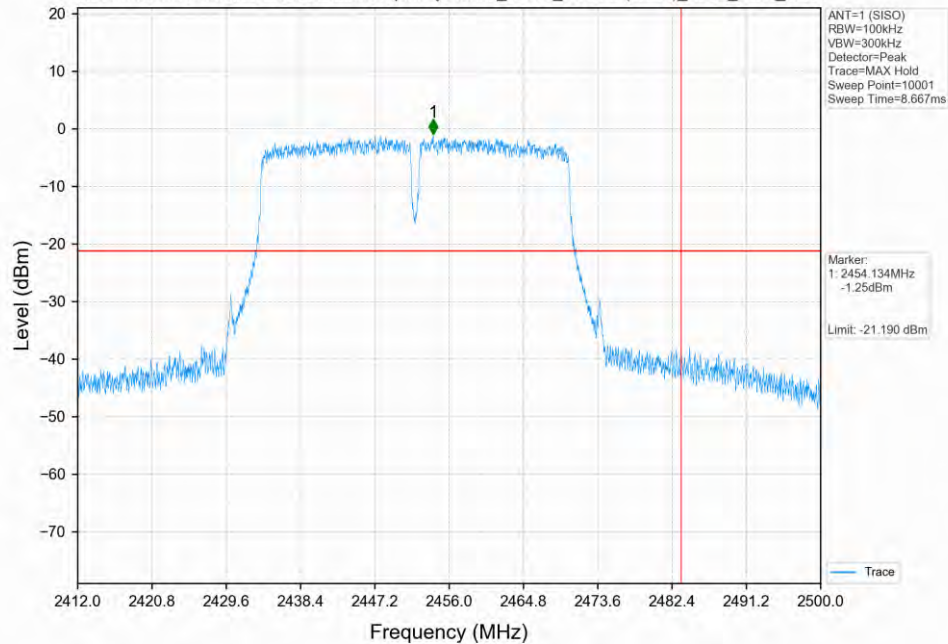


Unwanted Emissions in Non-restricted Frequency Bands_NTNV_802.11n(HT40)_MIMO_2437_ANT2

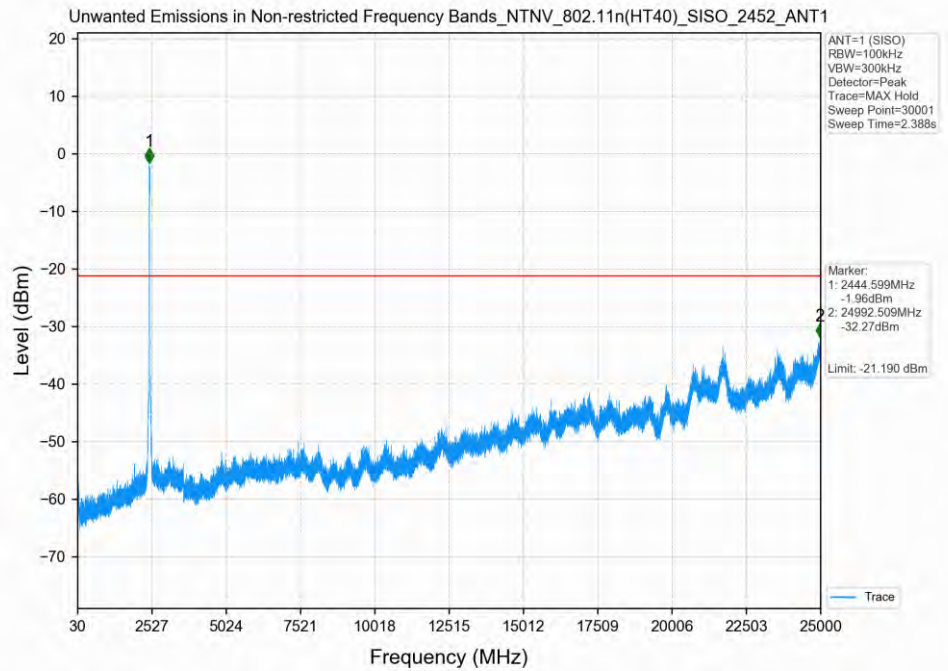


802.11n(HT40)_2452MHz_SISO_ANT1

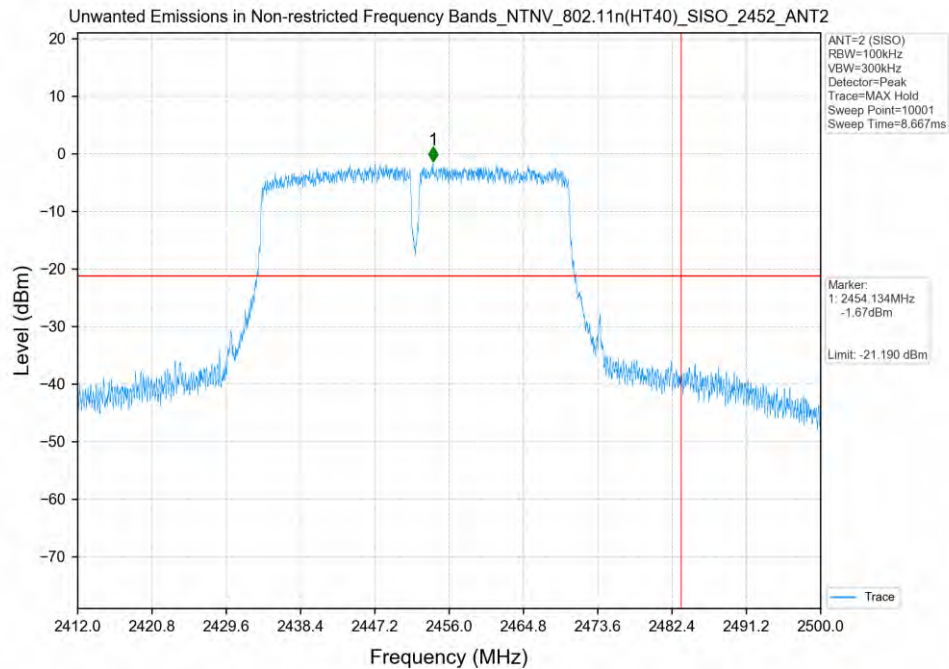
Unwanted Emissions in Non-restricted Frequency Bands_NTNV_802.11n(HT40)_SISO_2452_ANT1



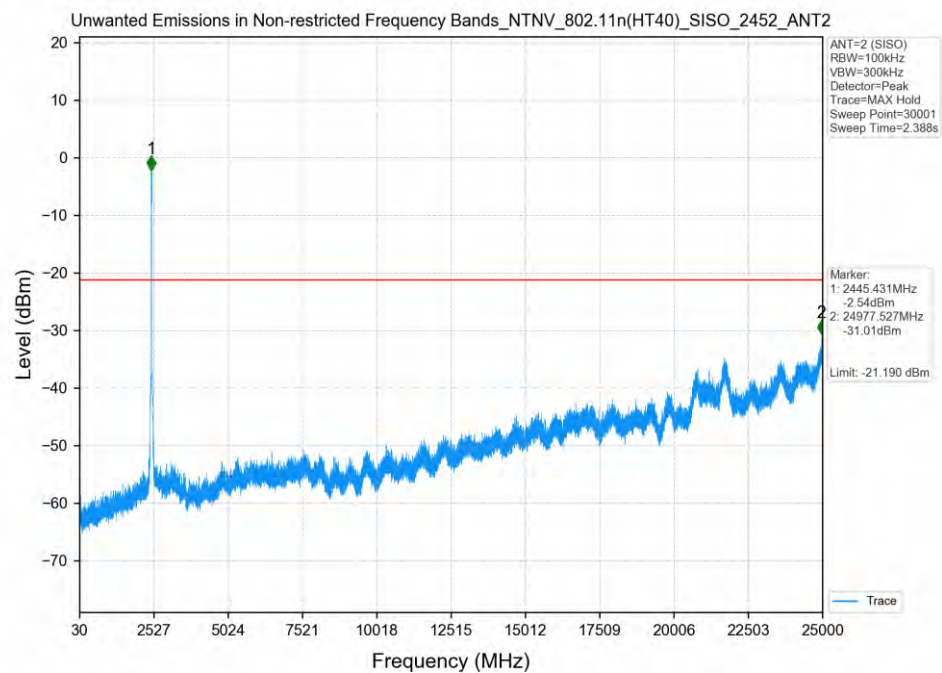
802.11n(HT40)_2452MHz_SISO_ANT1



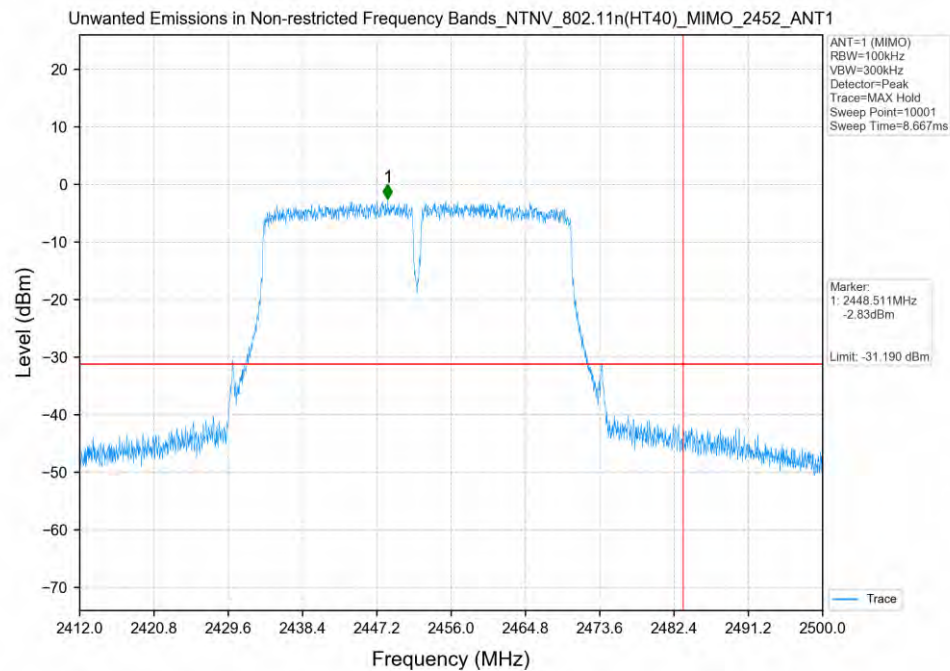
802.11n(HT40)_2452MHz_SISO_ANT2



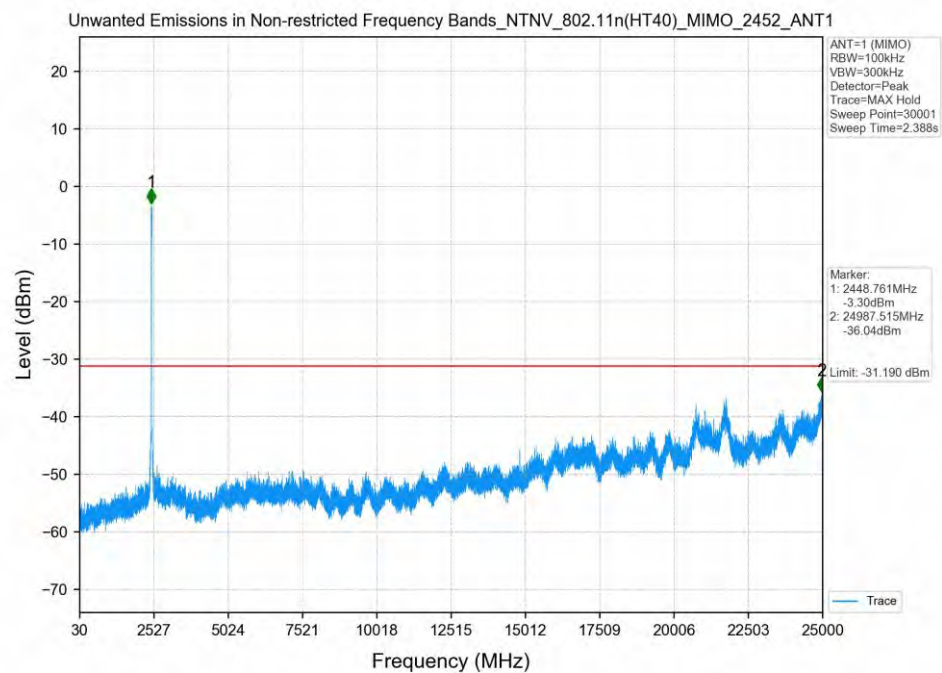
802.11n(HT40)_2452MHz_SISO_ANT2



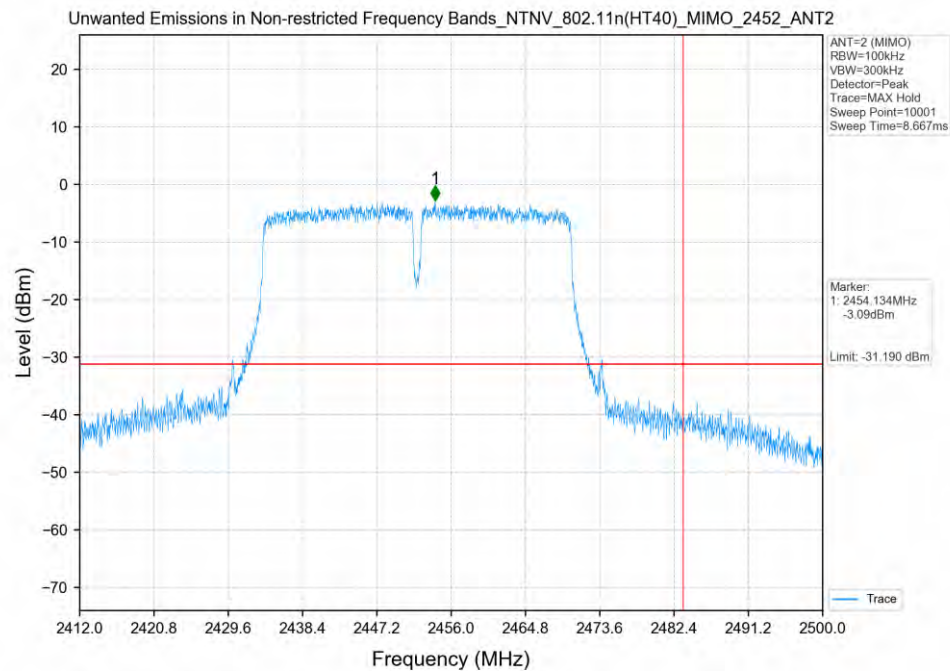
802.11n(HT40)_2452MHz_MIMO_Total



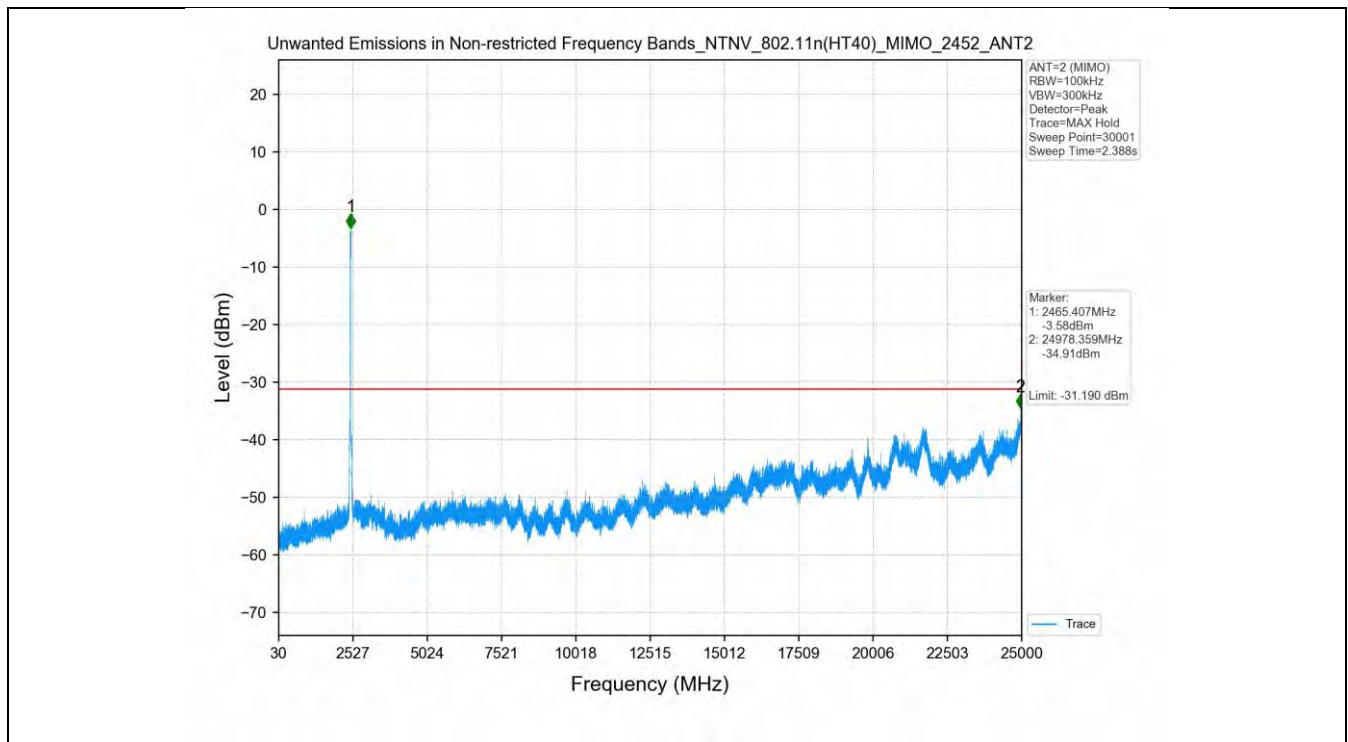
802.11n(HT40)_2452MHz_MIMO_Total



802.11n(HT40)_2452MHz_MIMO_Total



802.11n(HT40)_2452MHz_MIMO_Total



6. Frequency Error

6.1 Test Result