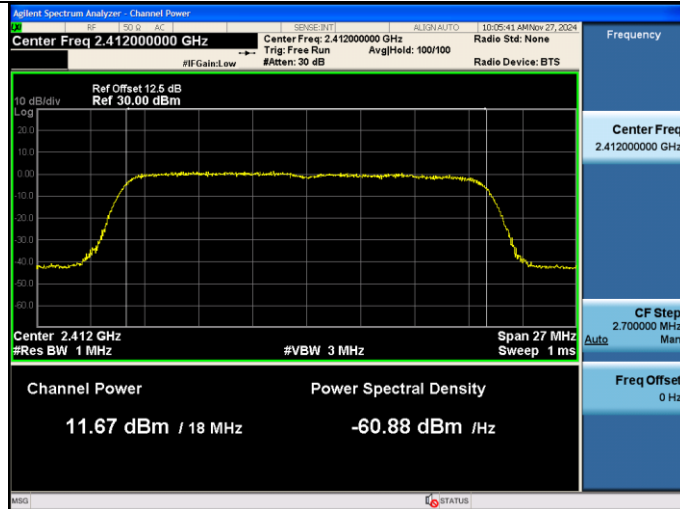
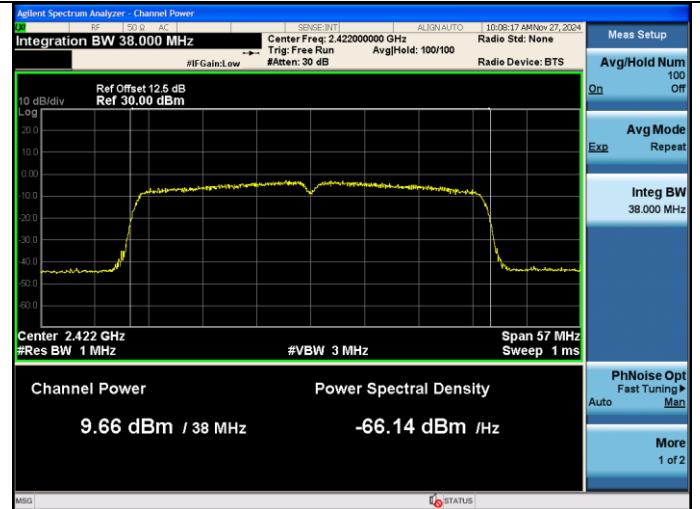


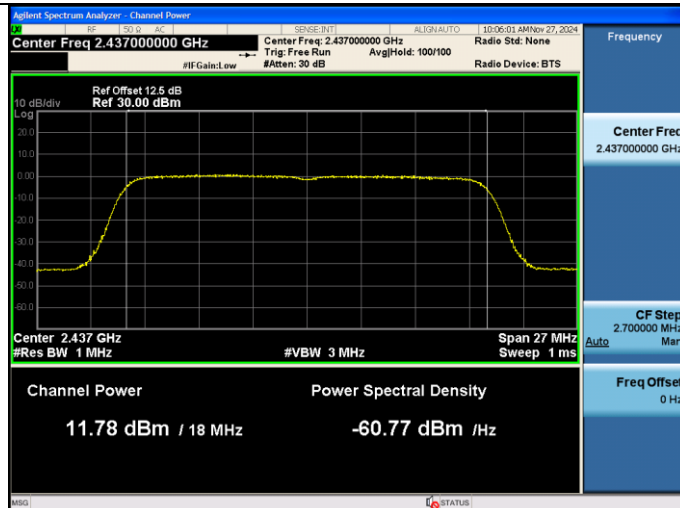
Test Mode: IEEE 802.11n HT20  
Test CH1: 2412MHz



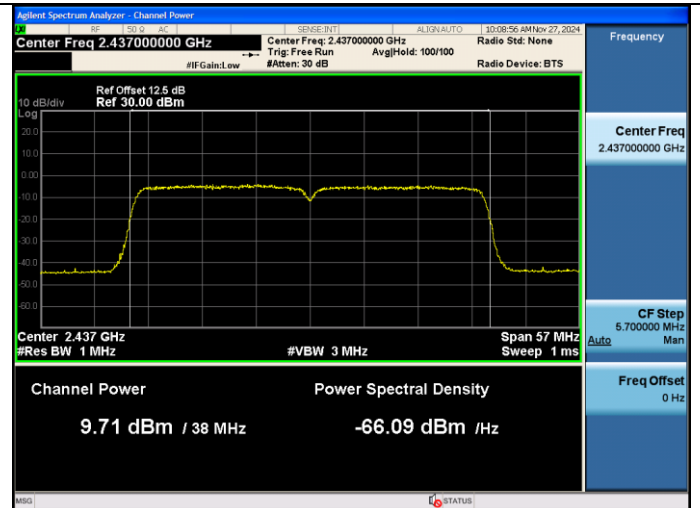
Test Mode: IEEE 802.11n HT40  
Test CH1: 2422MHz



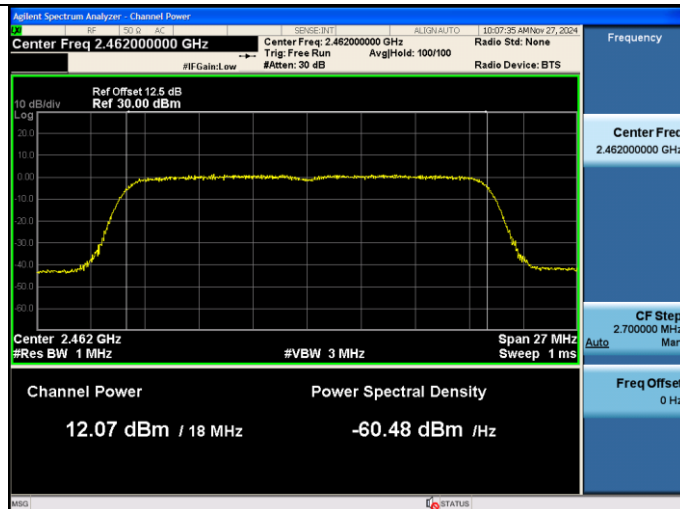
Test CH6: 2437MHz



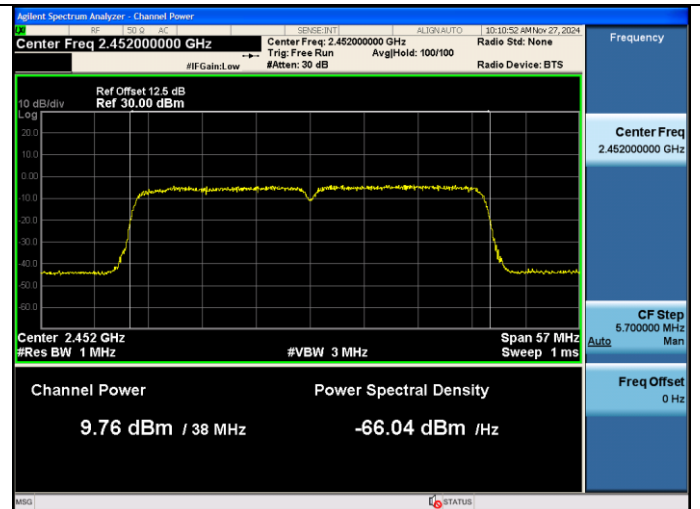
Test CH6: 2437MHz



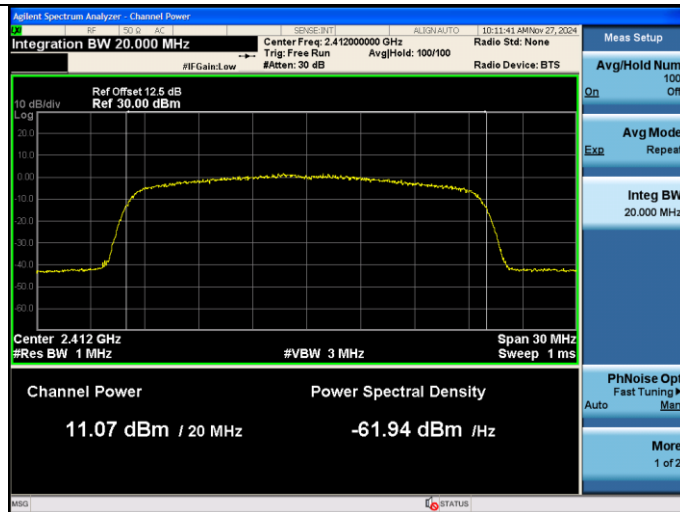
Test CH11: 2462MHz



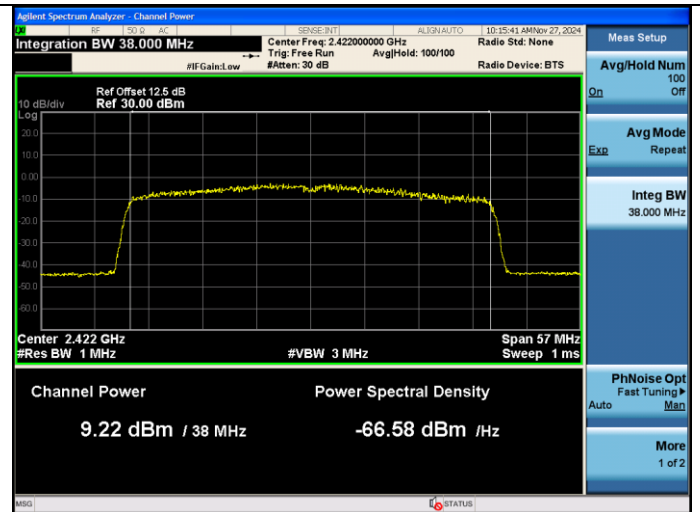
Test CH11: 2452MHz



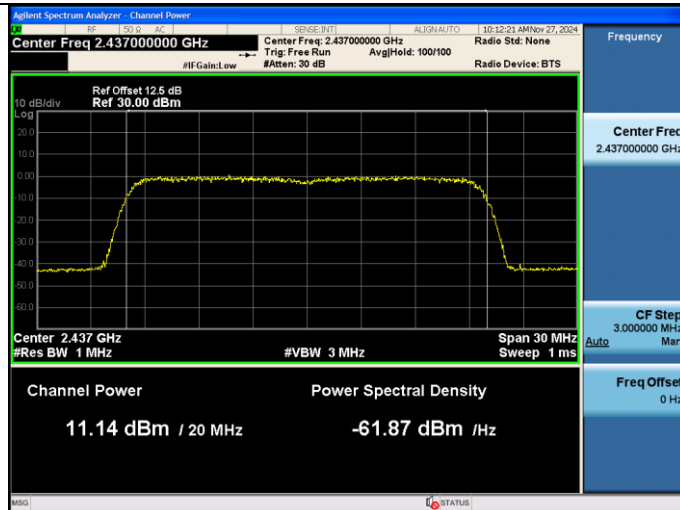
Test Mode: IEEE 802.11ax HE20  
Test CH1: 2412MHz



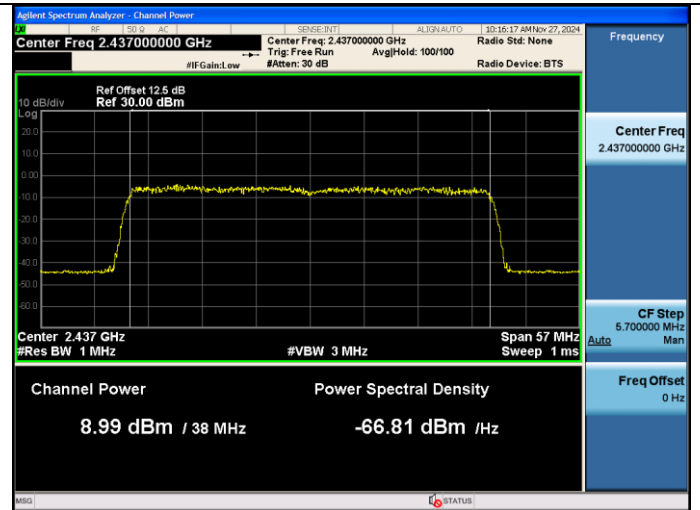
Test Mode: IEEE 802.11ax HE40  
Test CH1: 2422MHz



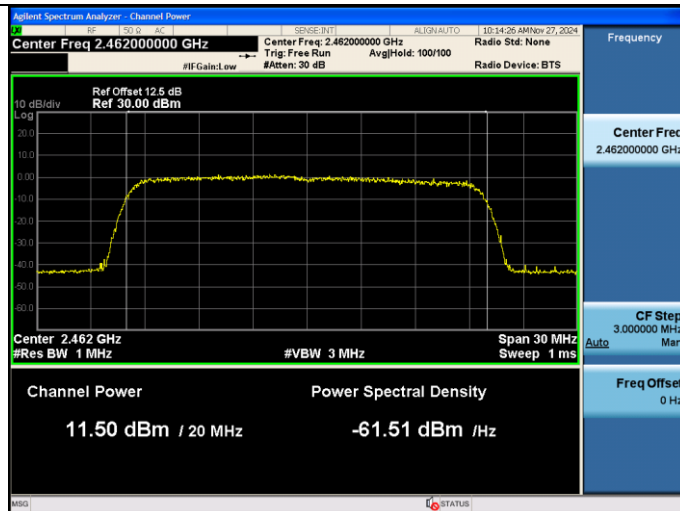
Test CH6: 2437MHz



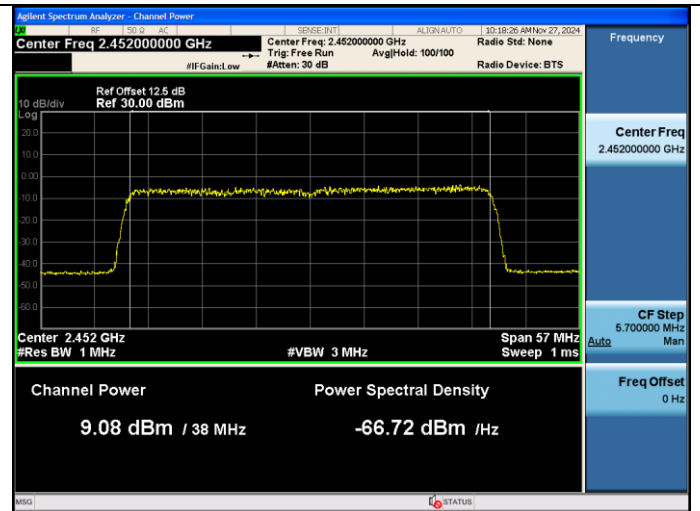
Test CH6: 2437MHz



Test CH11: 2462MHz



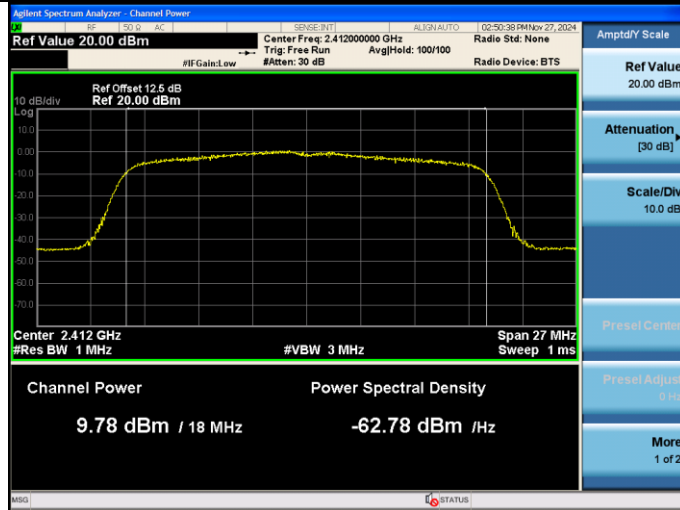
Test CH11: 2452MHz



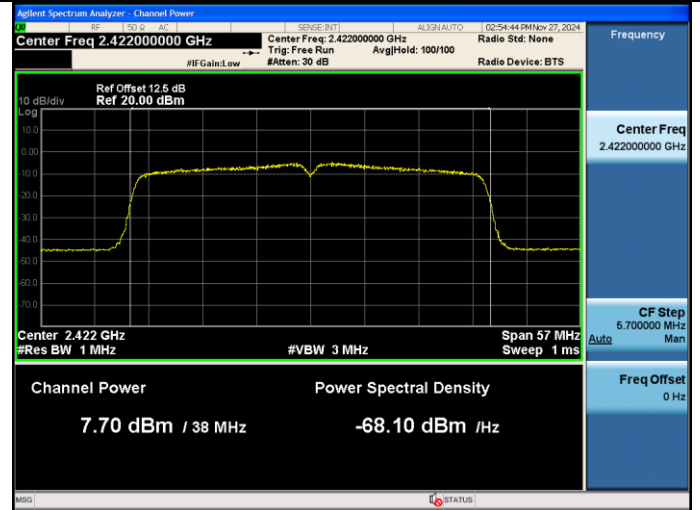
## MIMO:

### ANT0

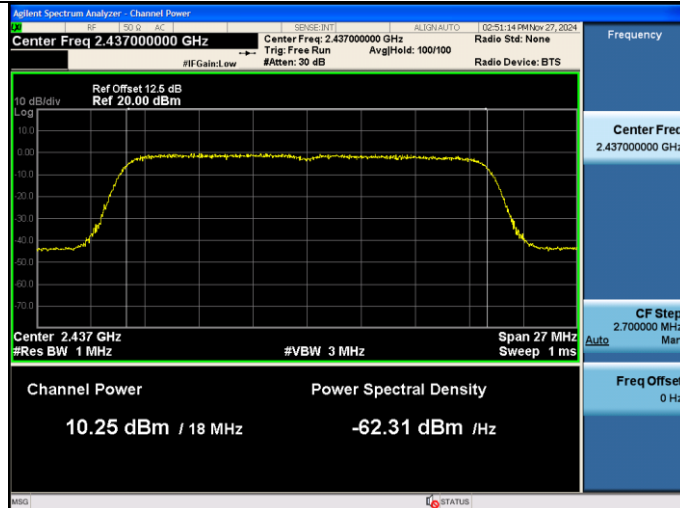
Test Mode: IEEE 802.11n HT20  
Test CH1: 2412MHz



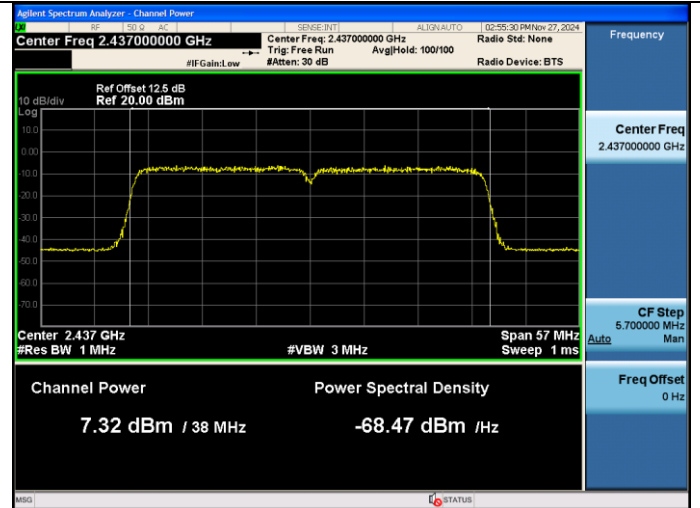
Test Mode: IEEE 802.11n HT40  
Test CH1: 2422MHz



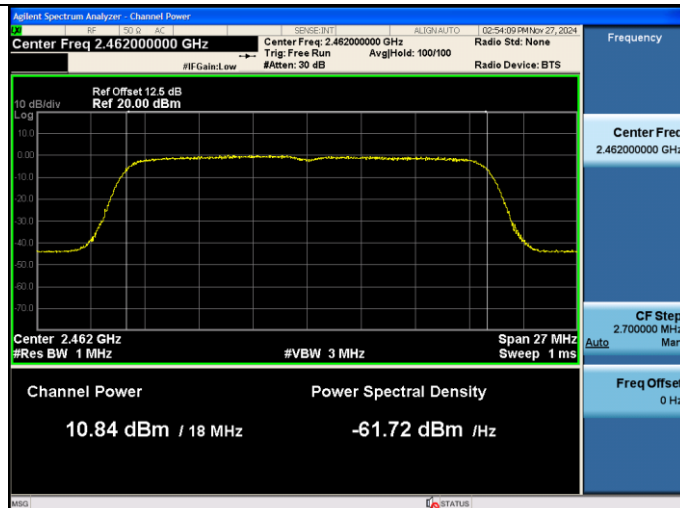
Test CH6: 2437MHz



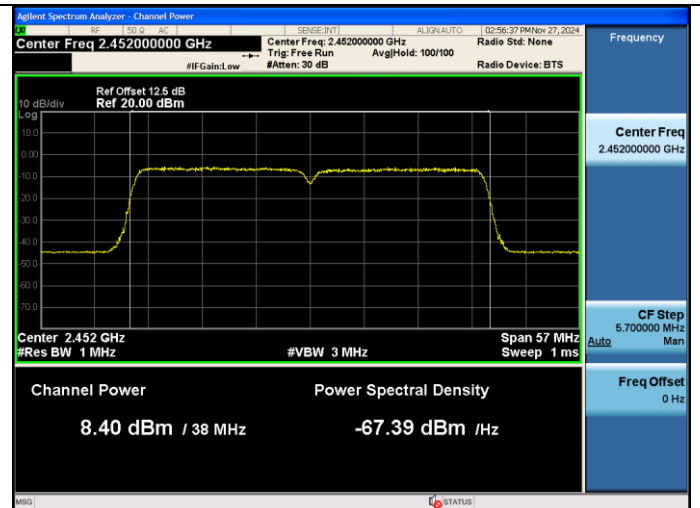
Test CH6: 2437MHz



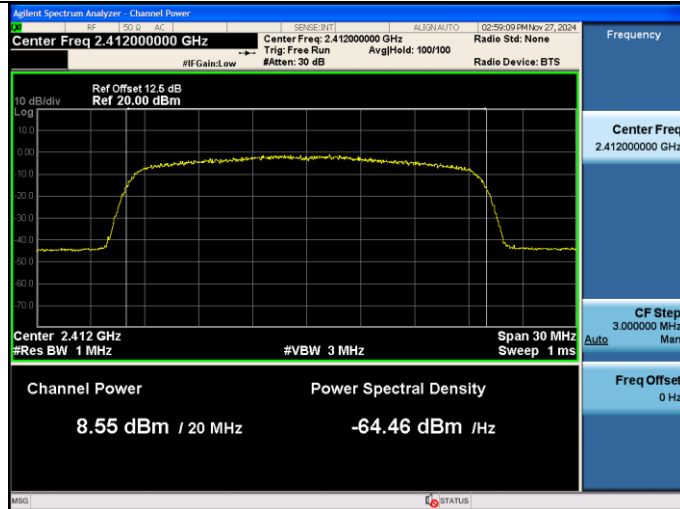
Test CH11: 2462MHz



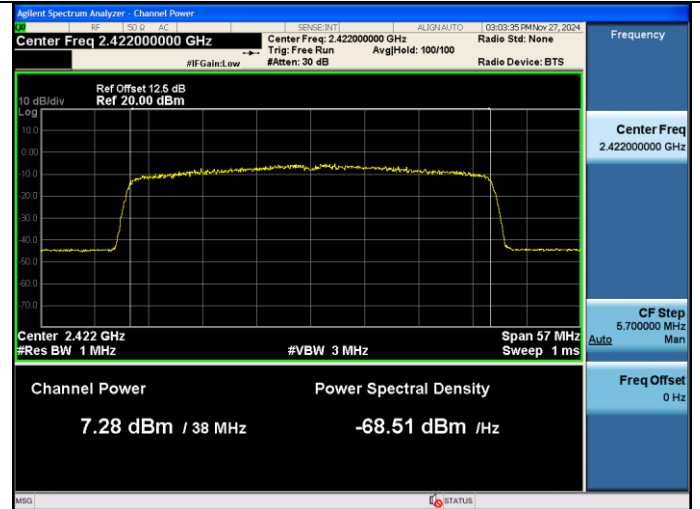
Test CH11: 2452MHz



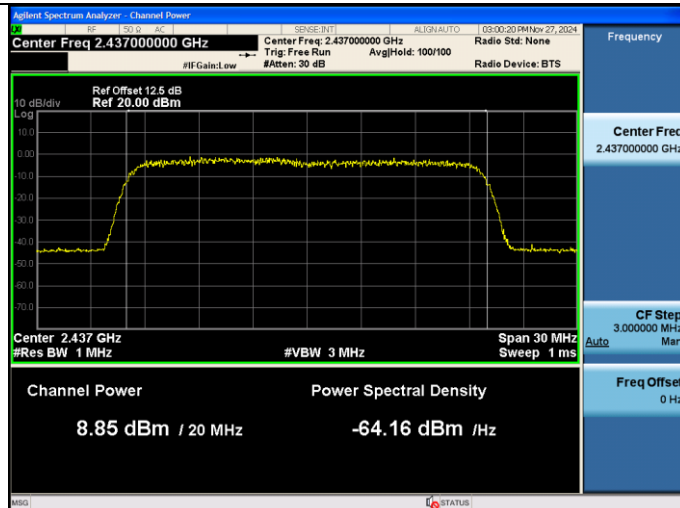
Test Mode: IEEE 802.11ax HE20  
Test CH1: 2412MHz



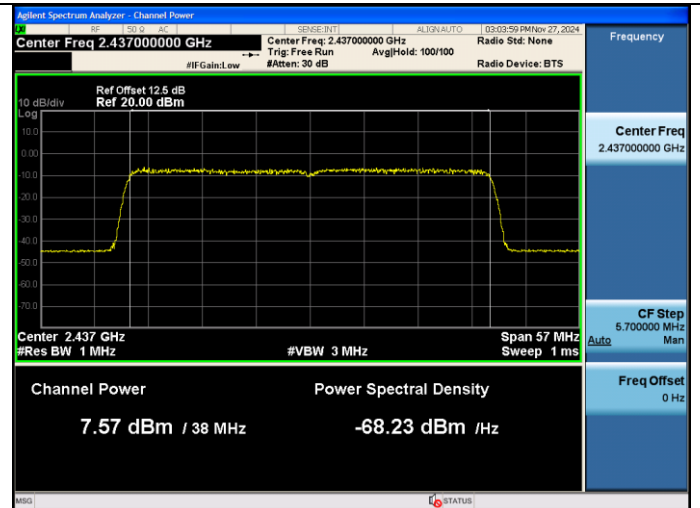
Test Mode: IEEE 802.11ax HE40  
Test CH1: 2422MHz



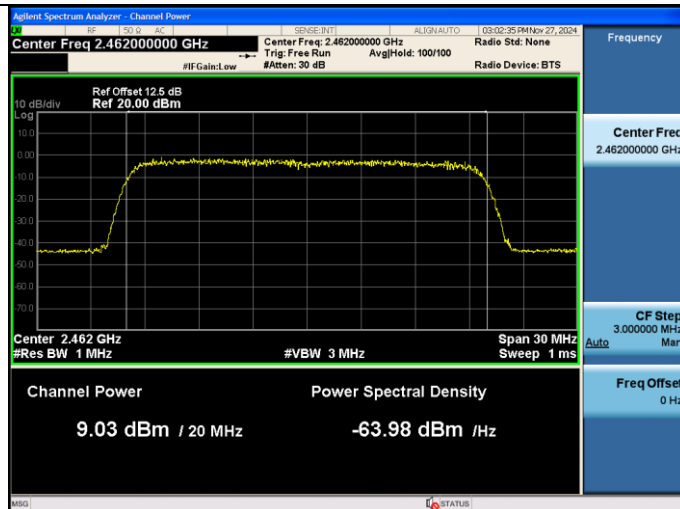
Test CH6: 2437MHz



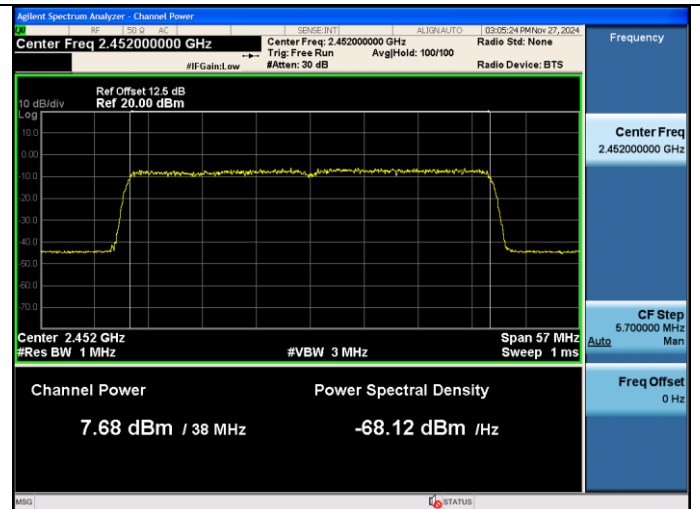
Test CH6: 2437MHz



Test CH11: 2462MHz

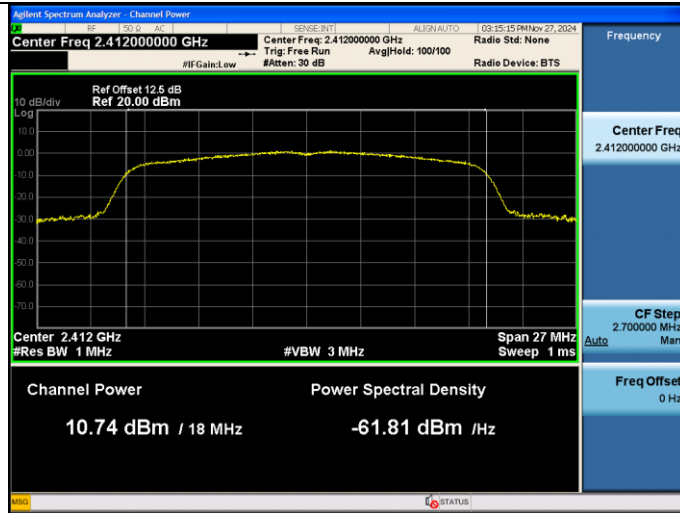


Test CH11: 2452MHz

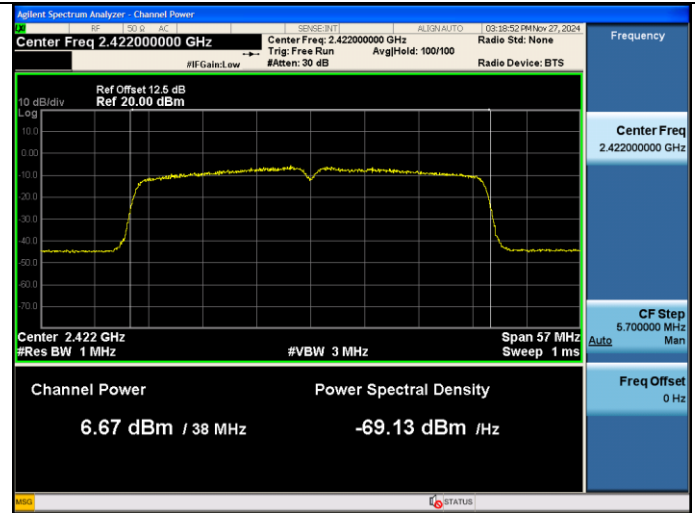


# ANT1

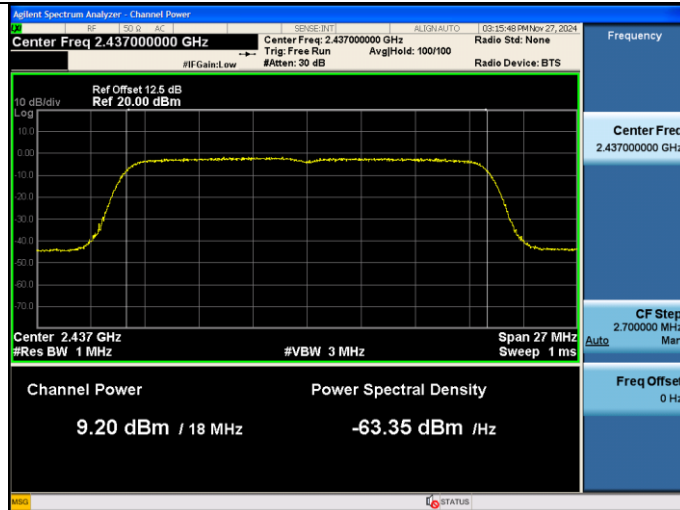
Test Mode: IEEE 802.11n HT20  
Test CH1: 2412MHz



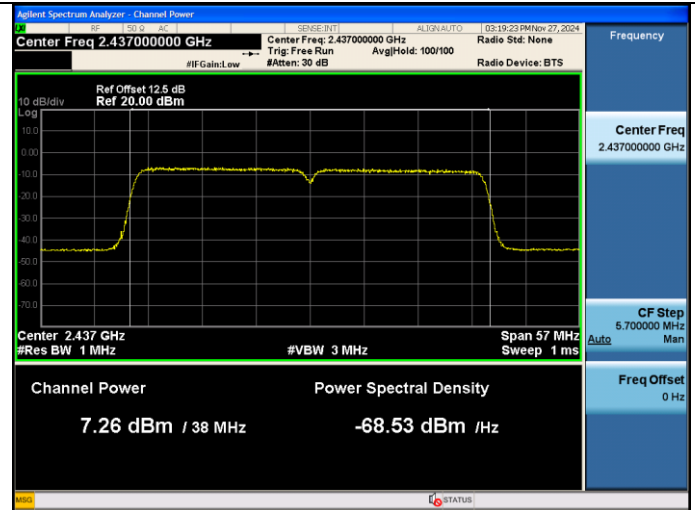
Test Mode: IEEE 802.11n HT40  
Test CH1: 2422MHz



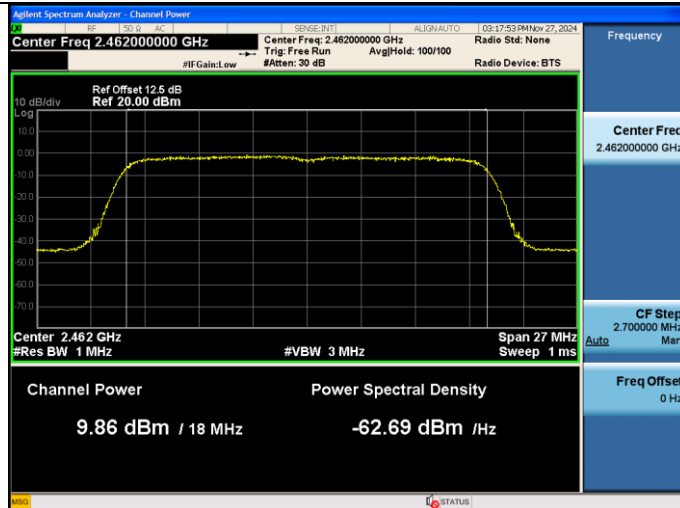
Test CH6: 2437MHz



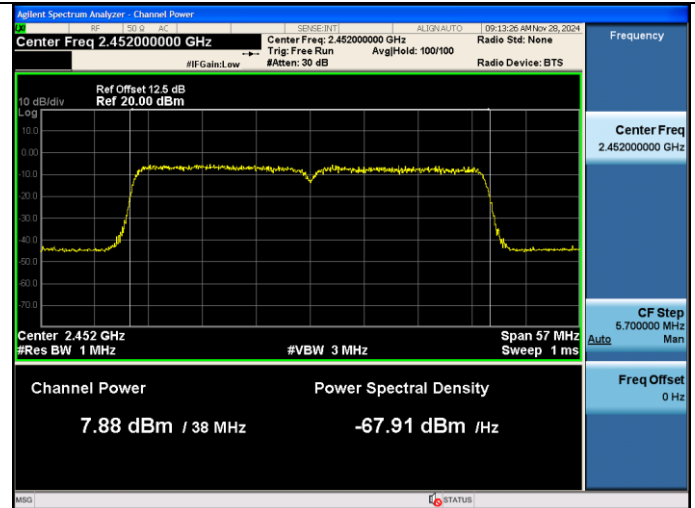
Test CH6: 2437MHz



Test CH11: 2462MHz

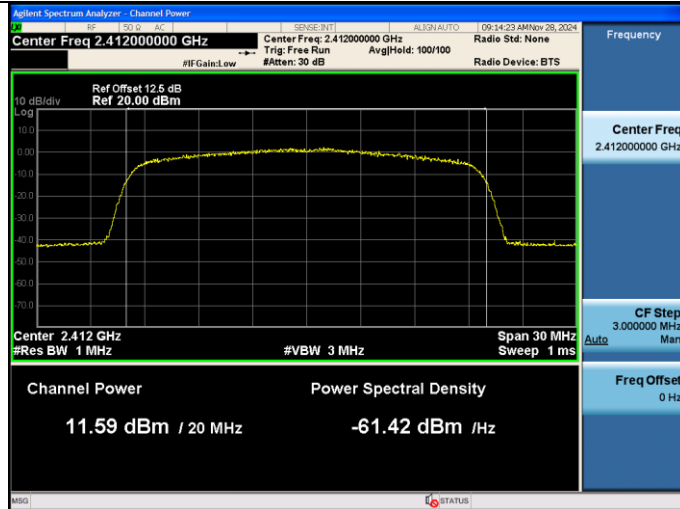


Test CH11: 2452MHz

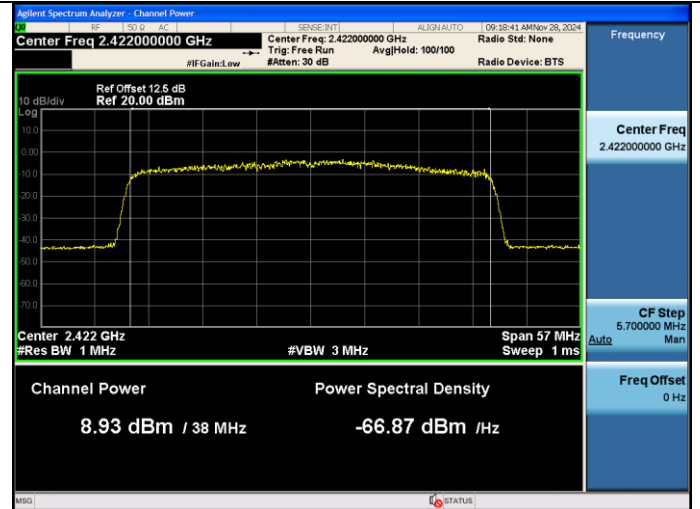




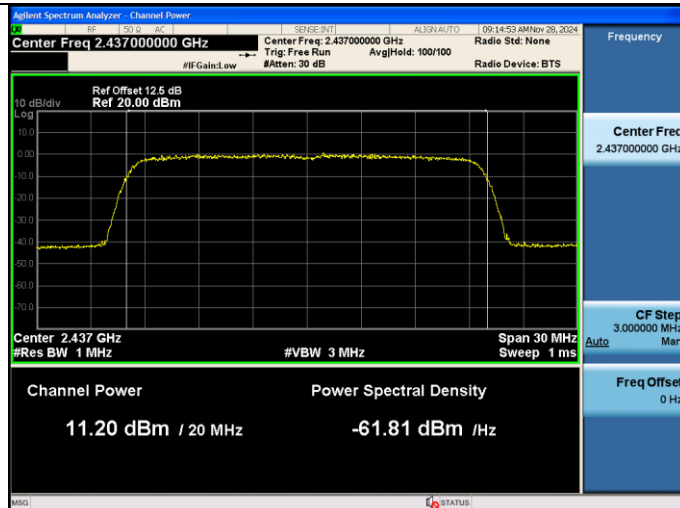
Test Mode: IEEE 802.11ax HE20  
Test CH1: 2412MHz



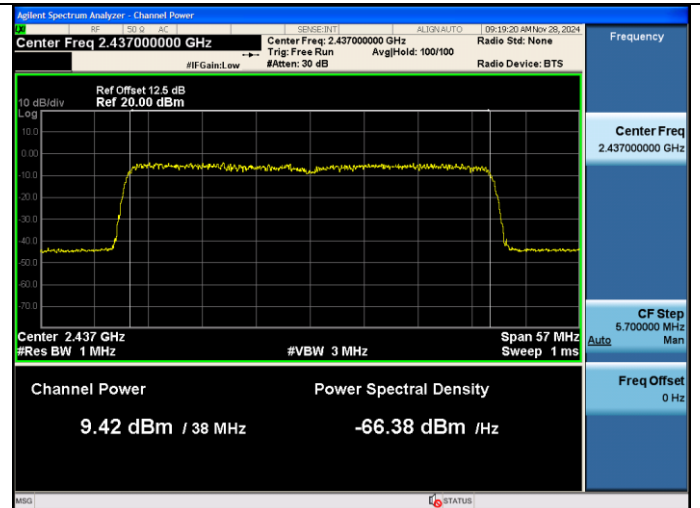
Test Mode: IEEE 802.11ax HE40  
Test CH1: 2422MHz



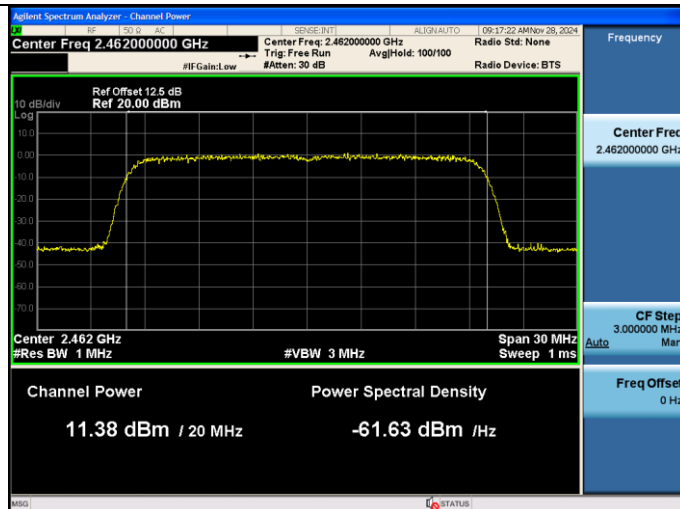
Test CH6: 2437MHz



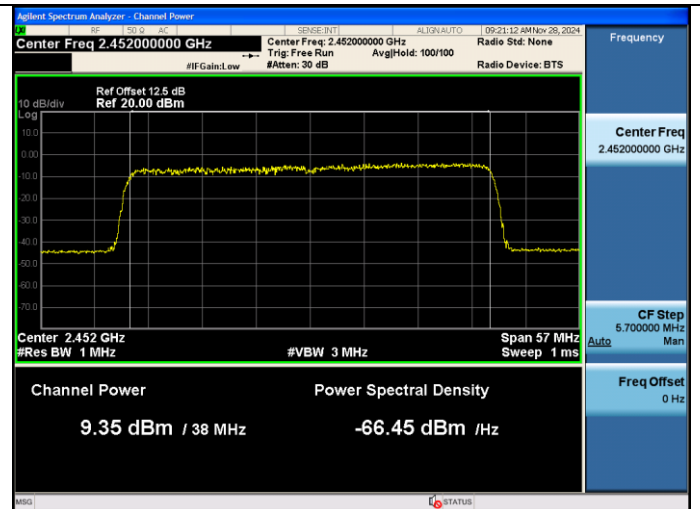
Test CH6: 2437MHz



Test CH11: 2462MHz



Test CH11: 2452MHz



## 9. POWER SPECTRAL DENSITY TEST

### 9.1.Limit

For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8dBm in any 3kHz band during any time interval of continuous transmission.

### 9.2.Test Procedure

- a) Set analyzer center frequency to DTS channel center frequency.
- b) Set the span to 1.5 DTS bandwidth.
- c) Set the RBW to:  $3 \text{ kHz} \leq \text{RBW} \leq 100 \text{ kHz}$ .
- d) Set the VBW  $\geq [3 \times \text{RBW}]$ .
- e) Detector = peak.
- f) Sweep time = auto couple.
- g) Trace mode = max hold.
- h) Allow trace to fully stabilize.
- i) Use the peak marker function to determine the maximum amplitude level within the RBW.

### 9.3.Test Results

|                        |                         |                        |
|------------------------|-------------------------|------------------------|
| EUT: Notebook Computer |                         |                        |
| M/N: N24B4             |                         |                        |
| Test date: 2024-12-30  | Pressure: 103.1±1.0 kpa | Humidity: 51.5±3.0%    |
| Tested by: Evan        | Test site: RF site      | Temperature: 22.5±0.6℃ |

#### SISO:

| Test Mode | Frequency (MHz) | Power Spectral Density (dBm/3KHz) | Limit (dBm/3KHz) |
|-----------|-----------------|-----------------------------------|------------------|
| 11b ANT0  | 2412            | -7.322                            | 8                |
|           | 2437            | -7.269                            |                  |
|           | 2462            | -7.235                            |                  |
| 11b ANT1  | 2412            | -7.161                            | 8                |
|           | 2437            | -7.224                            |                  |
|           | 2462            | -7.450                            |                  |
| 11g ANT0  | 2412            | -10.831                           | 8                |
|           | 2437            | -10.863                           |                  |
|           | 2462            | -9.700                            |                  |
| 11g ANT1  | 2412            | -11.096                           | 8                |
|           | 2437            | -11.096                           |                  |
|           | 2462            | -9.647                            |                  |

Conclusion : PASS

Note: 1. Directional Gain=  $10 \log[(10^{3.63/10} + 10^{2.93/10})/2]$  dBi = 3.29dBi < 6dBi.

2. The transmit signals are uncorrelated.



**MIMO:**

| Test Mode         | Frequency (MHz) | Power Spectral Density (dBm/3KHz) |         |       | Limit (dBm/3KHz) |
|-------------------|-----------------|-----------------------------------|---------|-------|------------------|
|                   |                 | ANT0                              | ANT1    | Total |                  |
| 11n HT20          | 2412            | -9.651                            | -10.224 | -6.92 | 8                |
|                   | 2437            | -9.710                            | -10.152 | -6.92 |                  |
|                   | 2462            | -9.819                            | -10.366 | -7.07 |                  |
| 11ax HE20         | 2412            | -11.436                           | -11.286 | -8.35 | 8                |
|                   | 2437            | -11.336                           | -11.679 | -8.49 |                  |
|                   | 2462            | -11.788                           | -11.459 | -8.61 |                  |
| 11n HT20          | 2412            | -9.995                            | -10.290 | -7.13 | 8                |
|                   | 2437            | -9.732                            | -10.227 | -6.96 |                  |
|                   | 2462            | -9.593                            | -10.363 | -6.95 |                  |
| 11ax HE20         | 2412            | -11.495                           | -12.532 | -8.97 | 8                |
|                   | 2437            | -13.190                           | -12.671 | -9.91 |                  |
|                   | 2462            | -13.288                           | -12.619 | -9.93 |                  |
| Conclusion : PASS |                 |                                   |         |       |                  |

Note: 1. Directional Gain=  $10 \log[(10^{3.63/10} + 10^{2.93/10})/2]$  dBi = 3.29 dBi < 6 dBi.

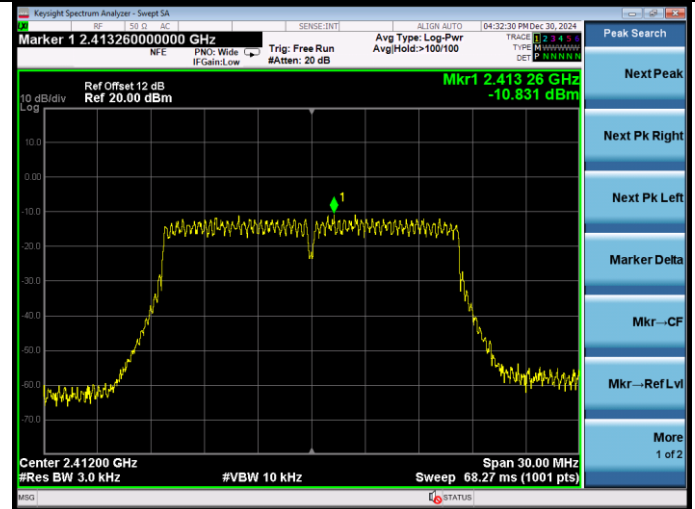
2. The transmit signals are uncorrelated.

3.  $10 * \text{LOG}_{10}(10^{(\text{ant0}/10)} + 10^{(\text{ant1}/10)})$

# ANT0

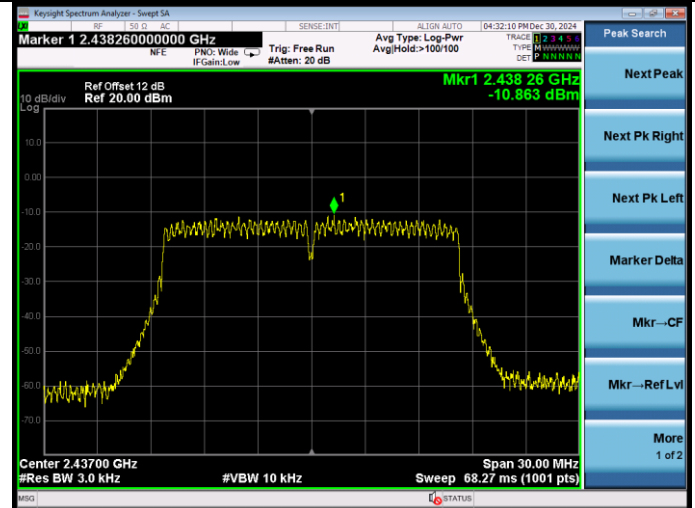
Test Mode: IEEE 802.11b  
Test CH1: 2412MHz

Test Mode: IEEE 802.11g  
Test CH1: 2412MHz



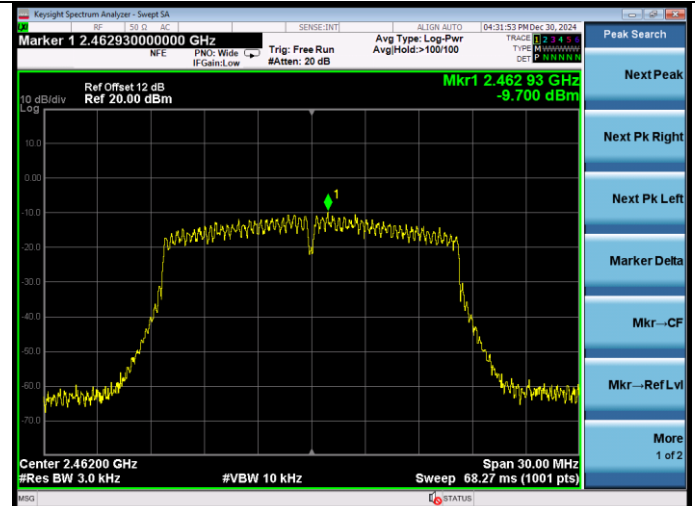
Test CH6: 2437MHz

Test CH6: 2437MHz



Test CH11: 2462MHz

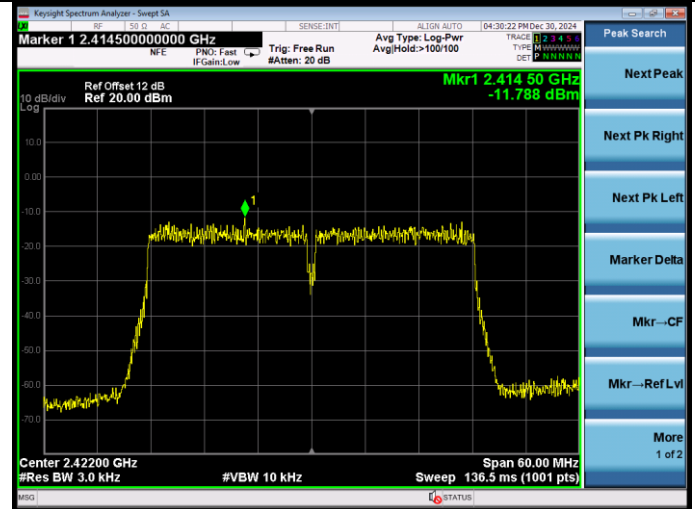
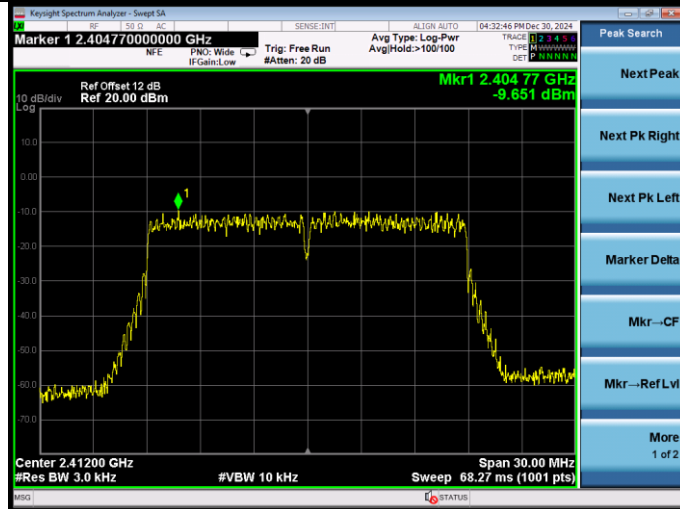
Test CH11: 2462MHz



## ANT0

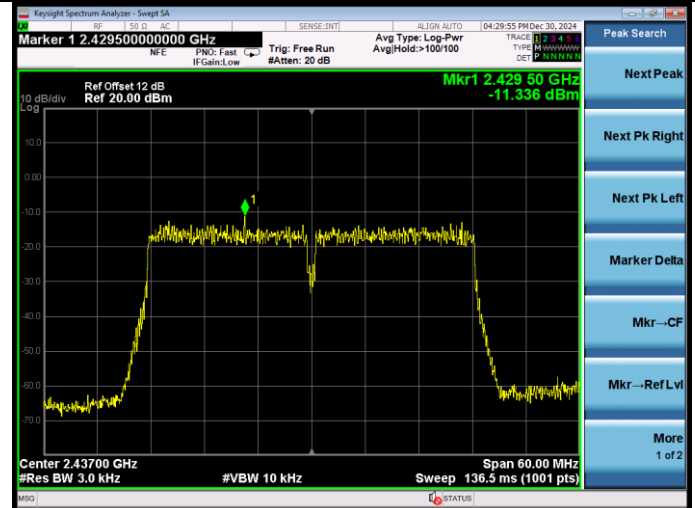
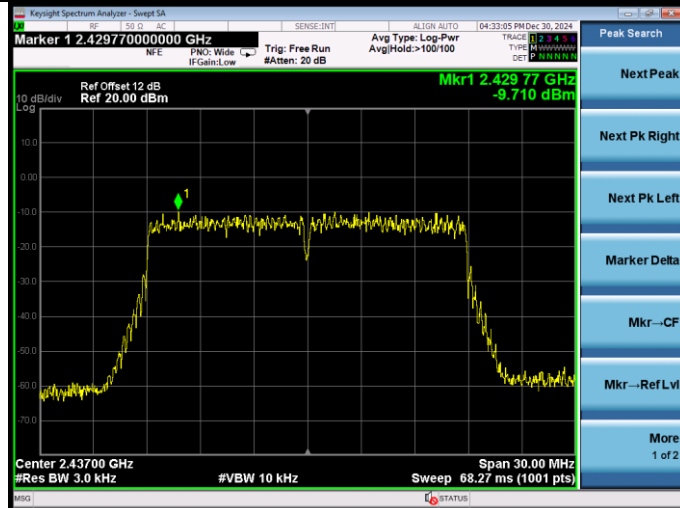
Test Mode: IEEE 802.11n HT20  
Test CH1: 2412MHz

Test Mode: IEEE 802.11n HT40  
Test CH1: 2422MHz



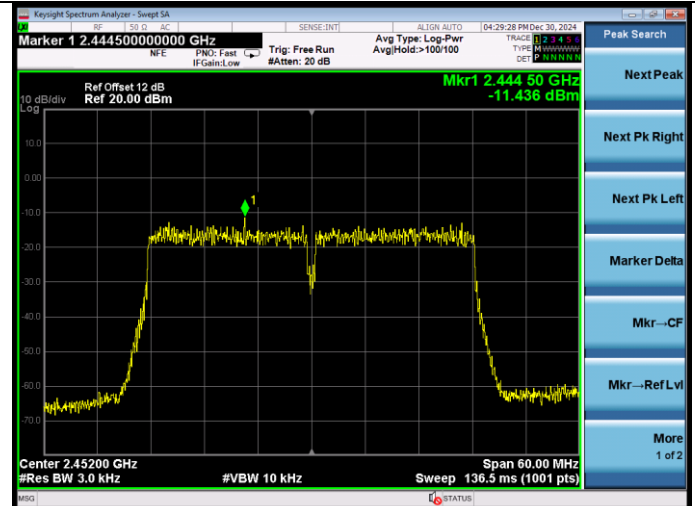
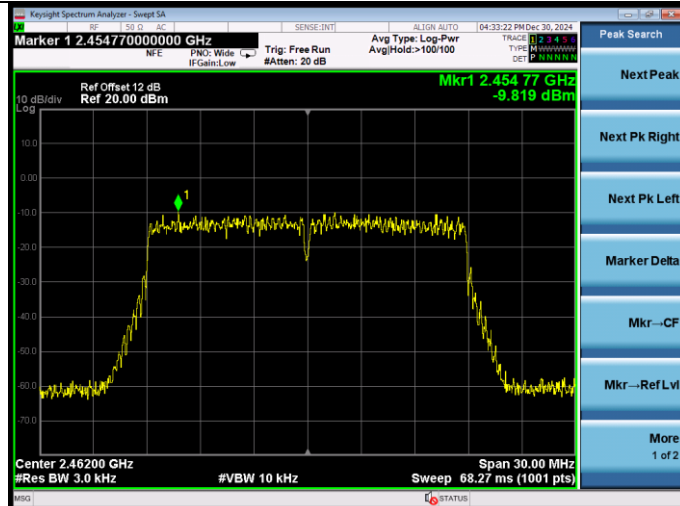
Test CH6: 2437MHz

Test CH6: 2437MHz



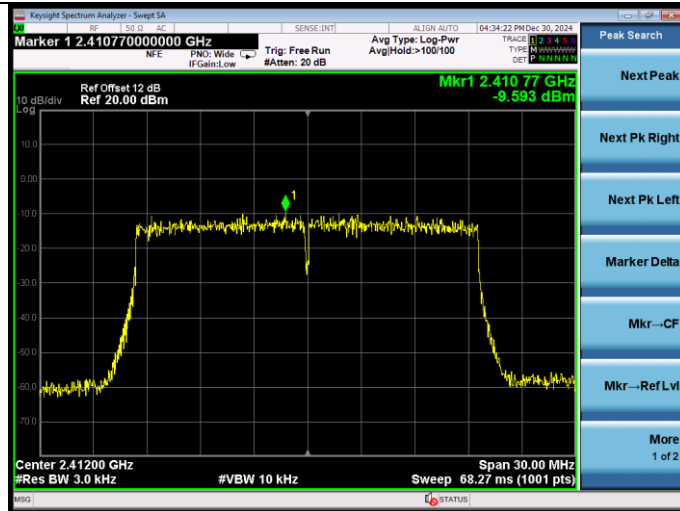
Test CH11: 2462MHz

Test CH11: 2452MHz

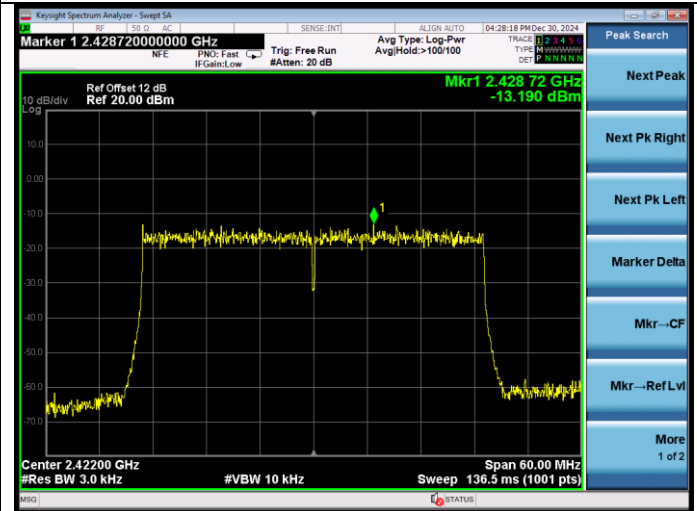


## ANT0

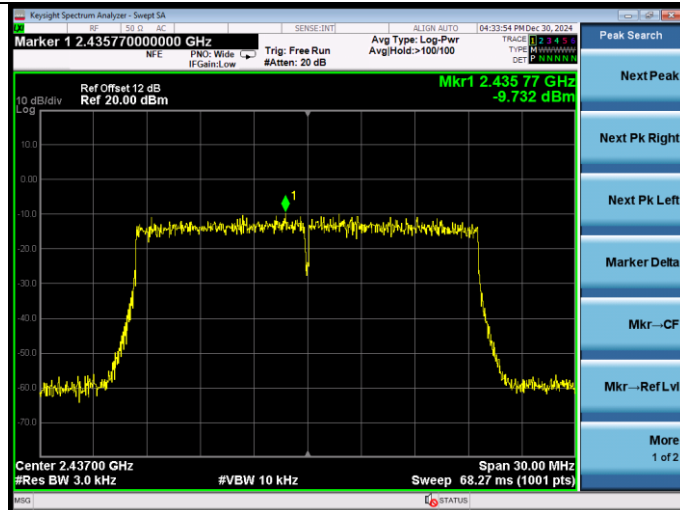
Test Mode: IEEE 802.11ax HE20  
Test CH1: 2412MHz



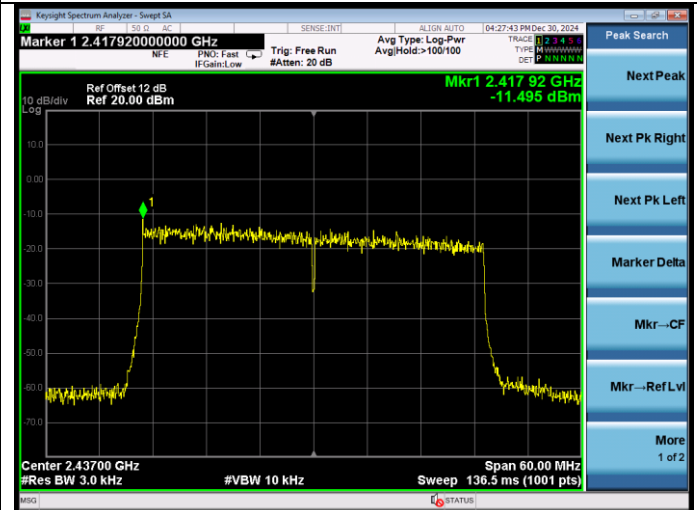
Test Mode: IEEE 802.11ax HE40  
Test CH1: 2422MHz



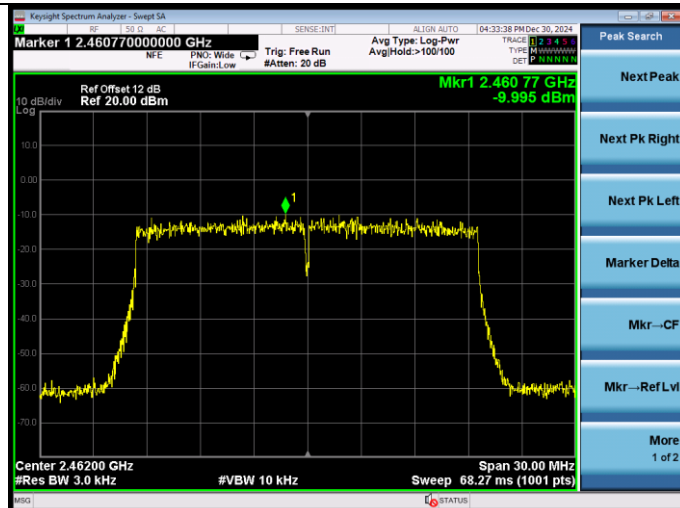
Test CH6: 2437MHz



Test CH6: 2437MHz



Test CH11: 2462MHz



Test CH11: 2452MHz

