



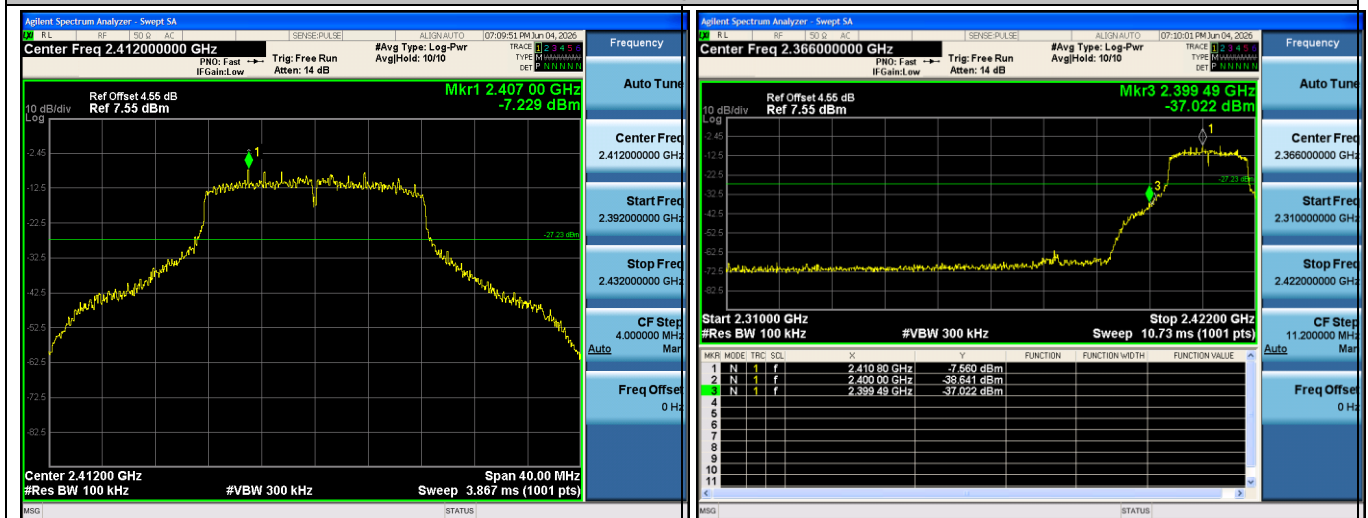
## 802.11b\_2412



## 802.11b\_2462



## 802.11g\_2412



## 802.11g\_2462





802.11n(HT20)\_2412



802.11n(HT20)\_2462



802.11ax(HE20)\_2412





**(2) Conducted Spurious Emissions Test**

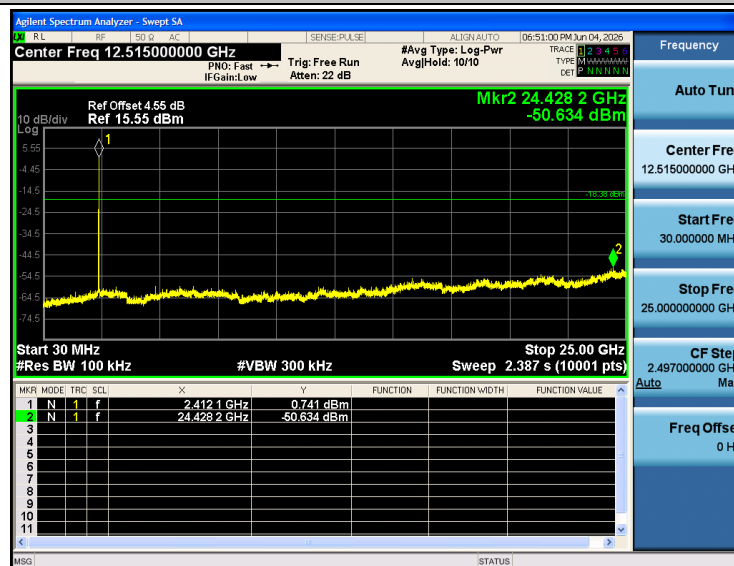
| Test Mode      | Frequency [MHz] | Ref Level [dBm] | Spurious level[dBm] | Limit[dBm] | Verdict |
|----------------|-----------------|-----------------|---------------------|------------|---------|
| 802.11b        | 2412            | 1.621           | -50.634             | -18.379    | PASS    |
|                | 2437            | 0.535           | -51.047             | -19.465    | PASS    |
|                | 2462            | 0.602           | -47.133             | -19.398    | PASS    |
| 802.11g        | 2412            | -7.229          | -59.712             | -27.229    | PASS    |
|                | 2437            | -6.769          | -58.587             | -26.769    | PASS    |
|                | 2462            | -7.167          | -54.822             | -27.167    | PASS    |
| 802.11n(HT20)  | 2412            | -7.032          | -59.122             | -27.032    | PASS    |
|                | 2437            | -7.177          | -55.005             | -27.177    | PASS    |
|                | 2462            | -6.720          | -58.850             | -26.720    | PASS    |
| 802.11ax(HE20) | 2412            | -8.232          | -54.749             | -28.232    | PASS    |
|                | 2437            | -9.569          | -59.078             | -29.569    | PASS    |
|                | 2462            | -9.434          | -55.425             | -29.434    | PASS    |
| 802.11n(HT40)  | 2422            | -11.062         | -64.110             | -31.062    | PASS    |
|                | 2437            | -11.788         | -63.603             | -31.788    | PASS    |
|                | 2452            | -11.193         | -63.642             | -31.193    | PASS    |
| 802.11ax(HE40) | 2422            | -11.726         | -58.400             | -31.726    | PASS    |
|                | 2437            | -12.968         | -62.076             | -32.968    | PASS    |
|                | 2452            | -12.144         | -59.454             | -32.144    | PASS    |



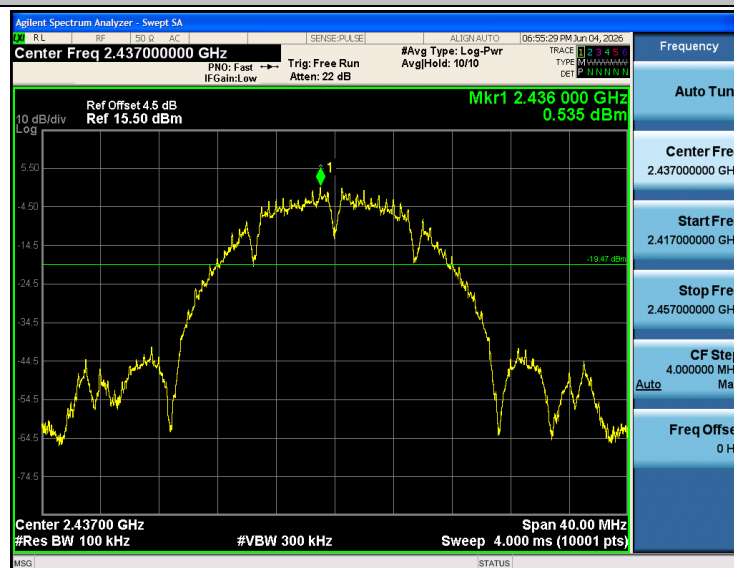
## 802.11b\_2412\_0~Reference



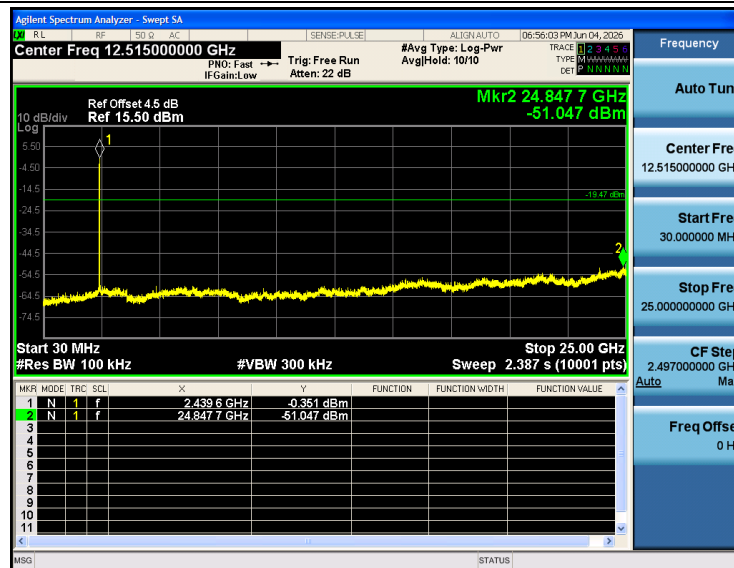
## 802.11b\_2412\_30~25000



## 802.11b\_2437\_0~Reference



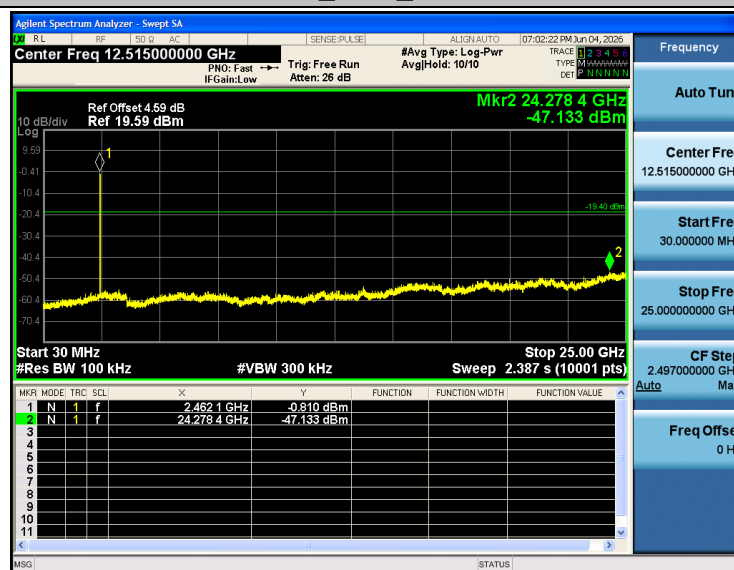
## 802.11b\_2437\_30~25000



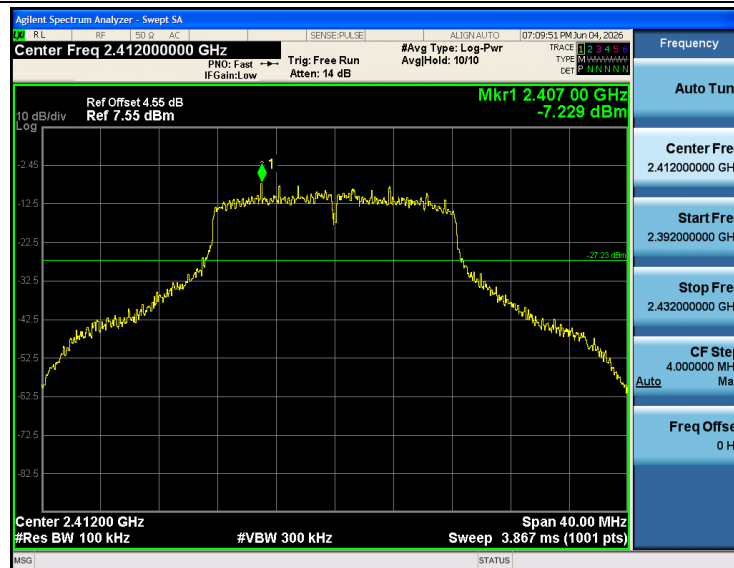
802.11b\_2462\_0~Reference



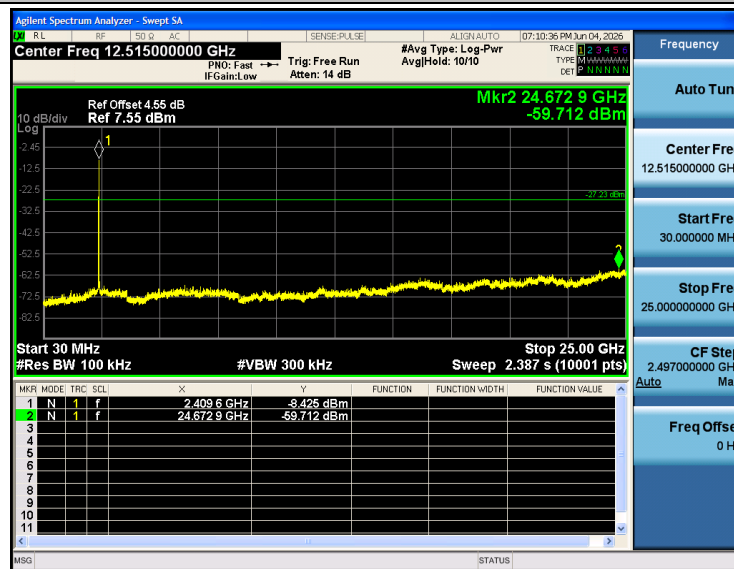
802.11b\_2462\_30~25000



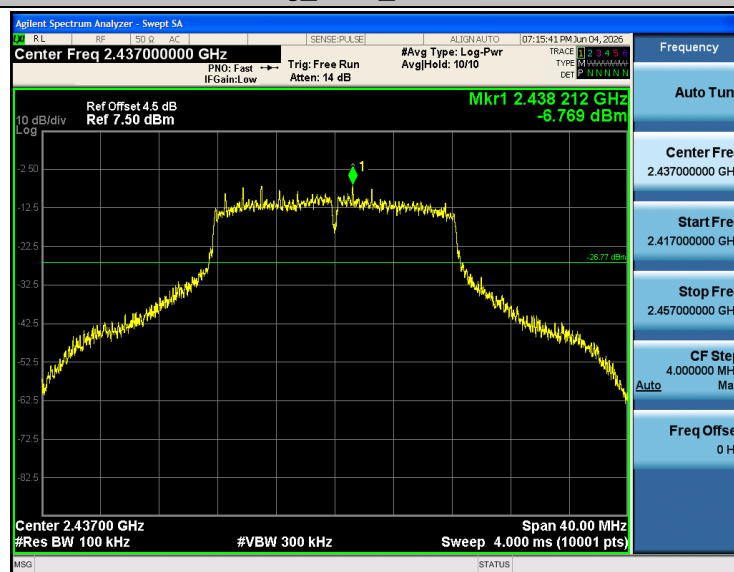
802.11g\_2412\_0~Reference



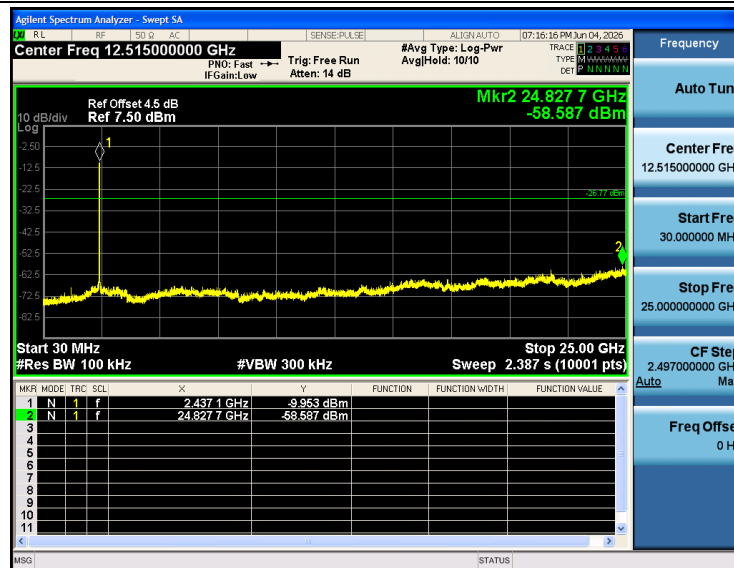
802.11g\_2412\_30~25000



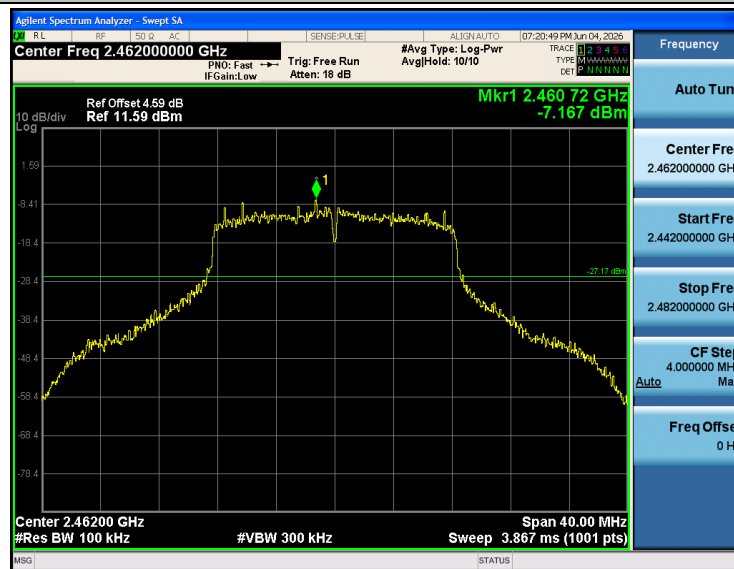
802.11g\_2437\_0~Reference



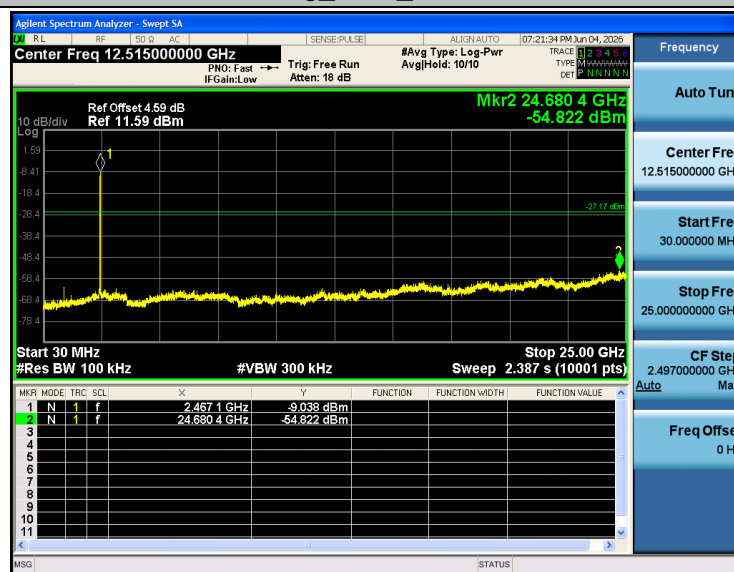
802.11g\_2437\_30~25000



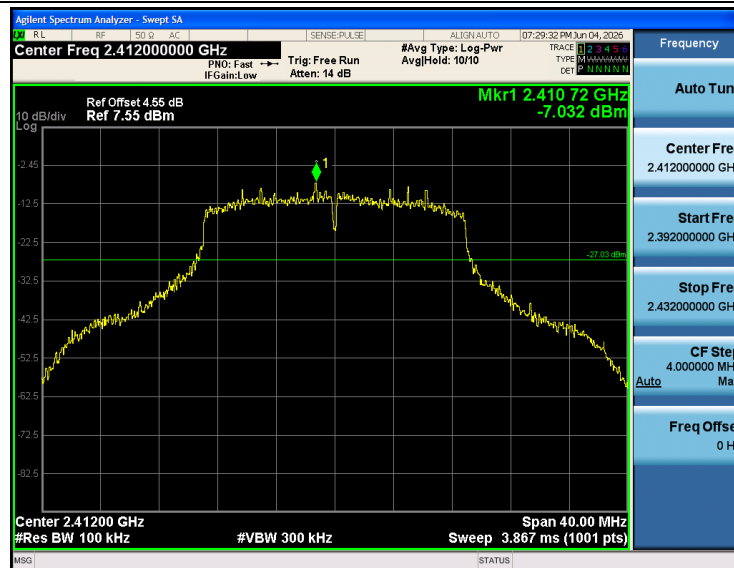
802.11g\_2462\_0~Reference



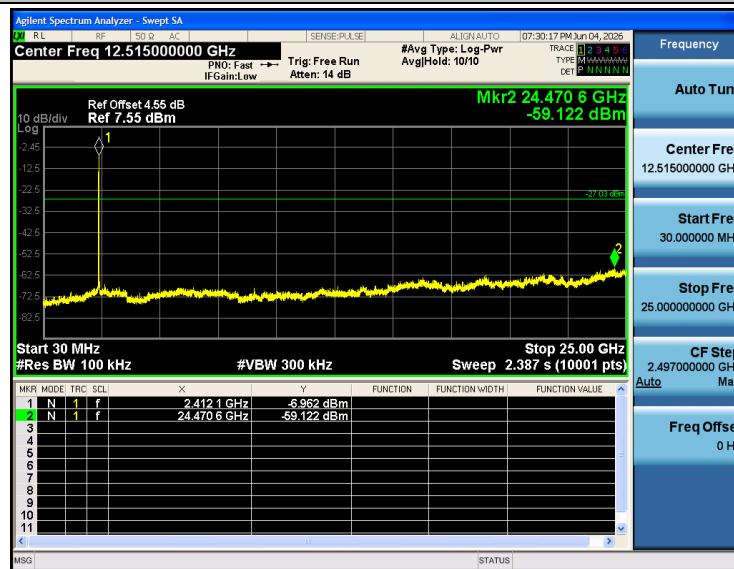
802.11g\_2462\_30~25000



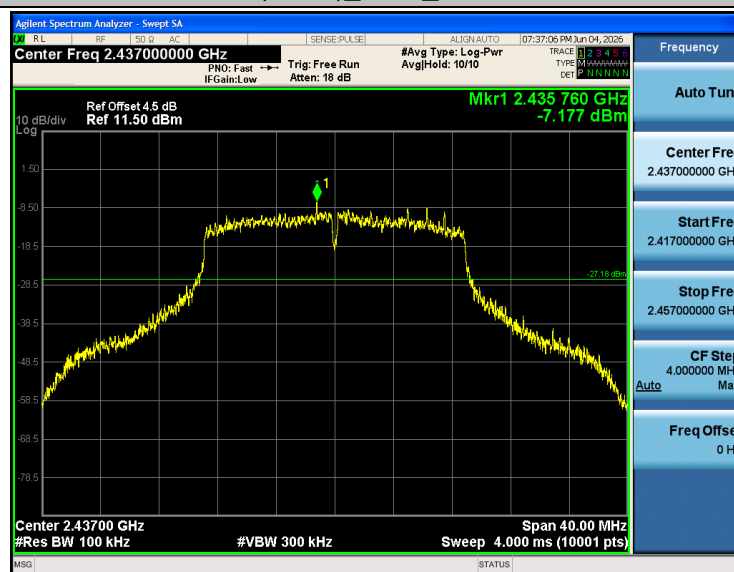
802.11n(HT20)\_2412\_0~Reference



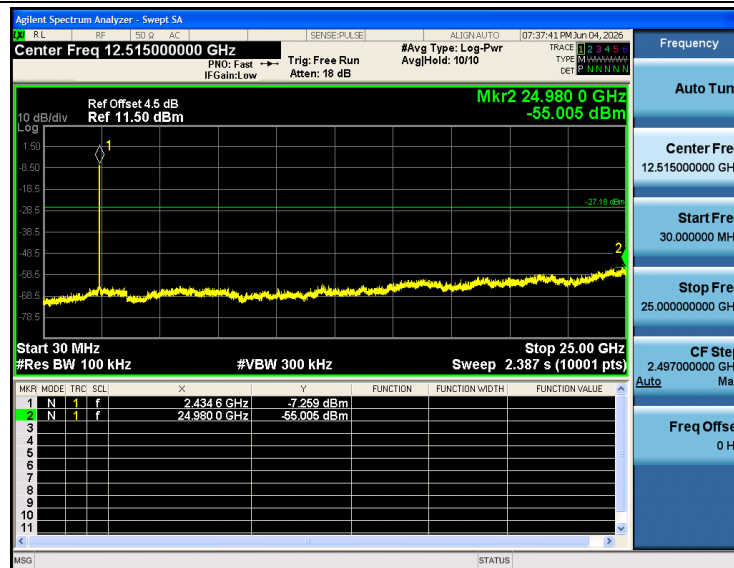
802.11n(HT20)\_2412\_30~25000



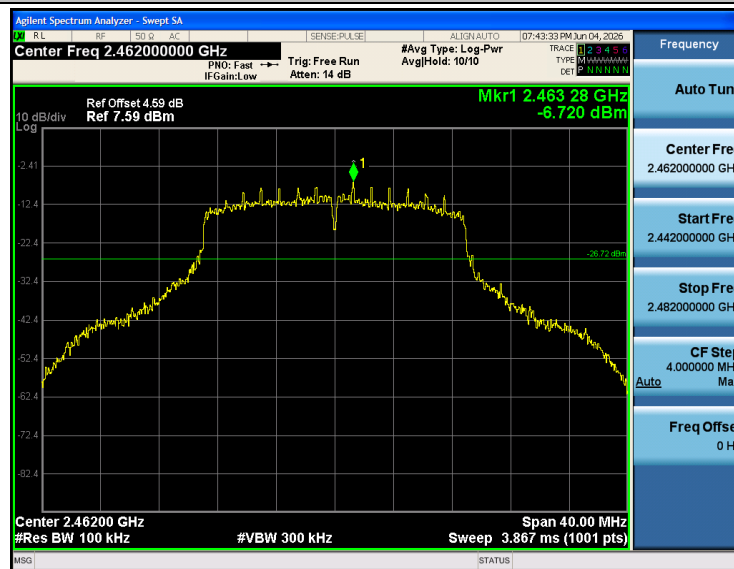
802.11n(HT20)\_2437\_0~Reference



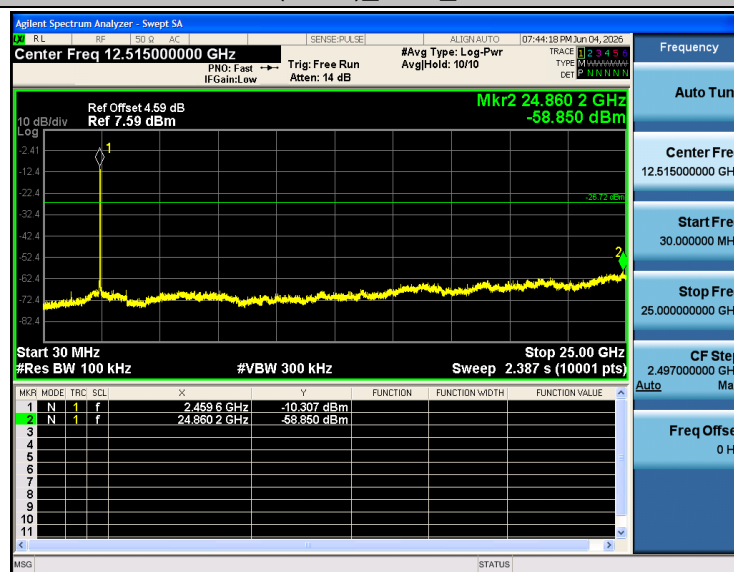
802.11n(HT20)\_2437\_30~25000



802.11n(HT20)\_2462\_0~Reference



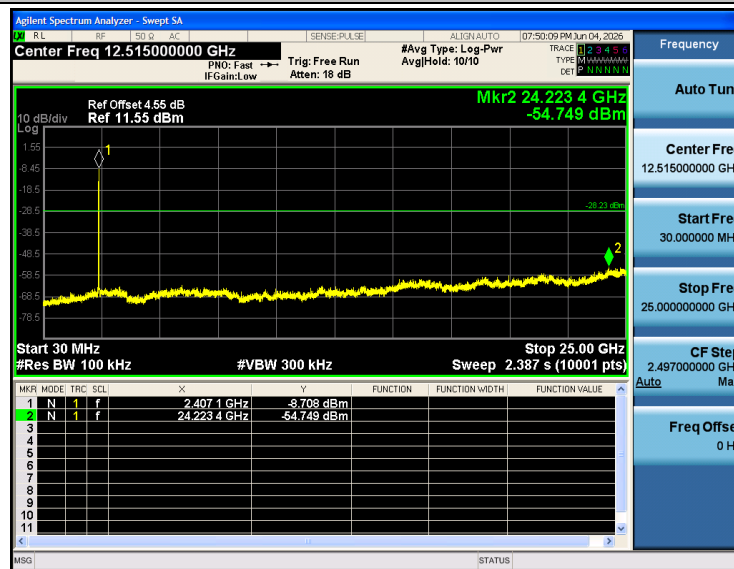
802.11n(HT20)\_2462\_30~25000



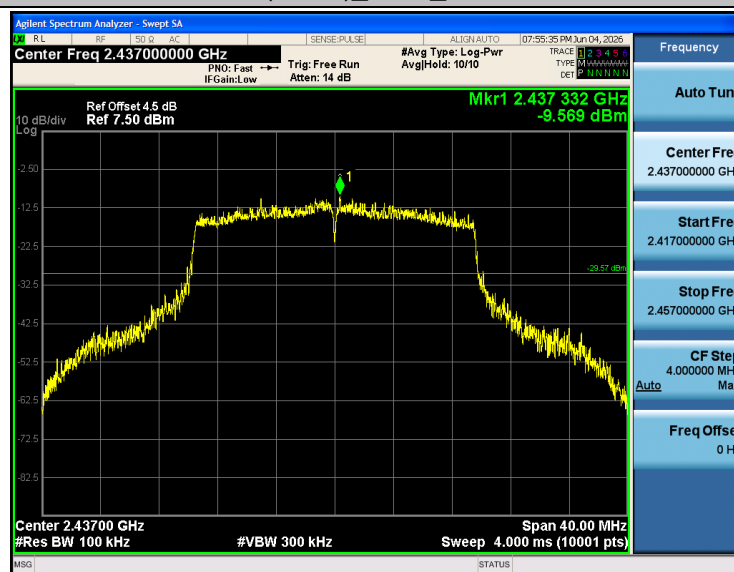
802.11ax(HE20)\_2412\_0~Reference



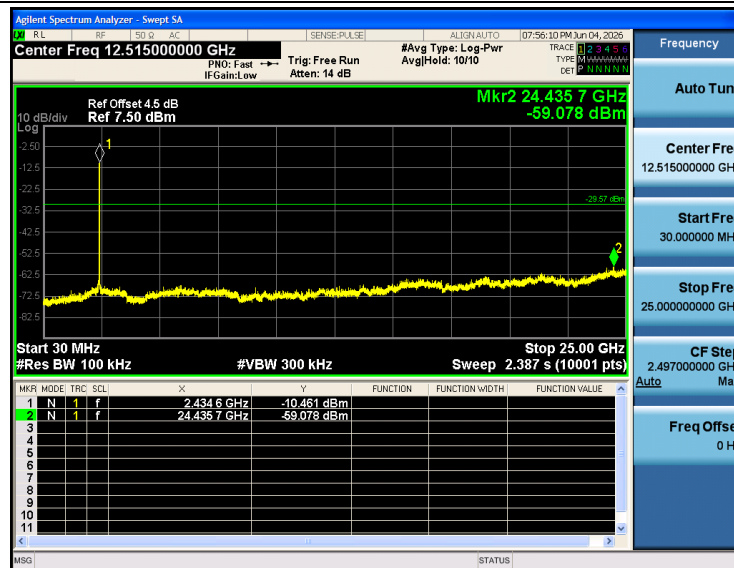
802.11ax(HE20)\_2412\_30~25000



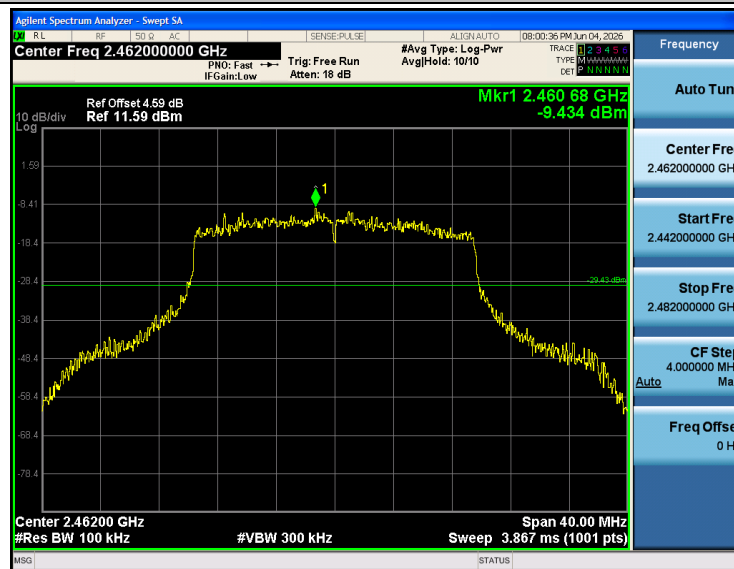
802.11ax(HE20)\_2437\_0~Reference



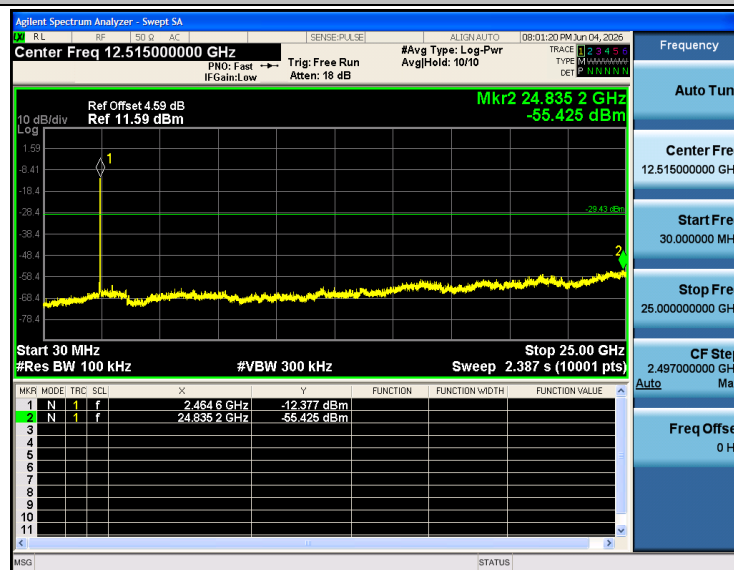
802.11ax(HE20)\_2437\_30~25000



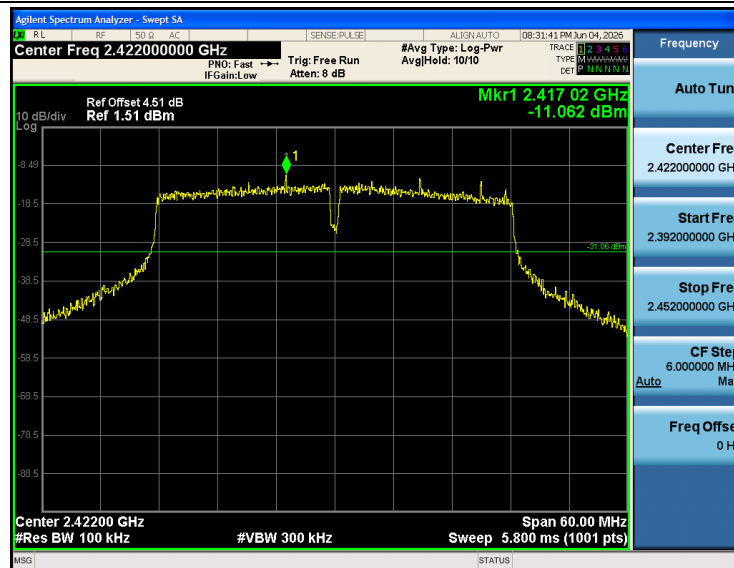
802.11ax(HE20)\_2462\_0~Reference



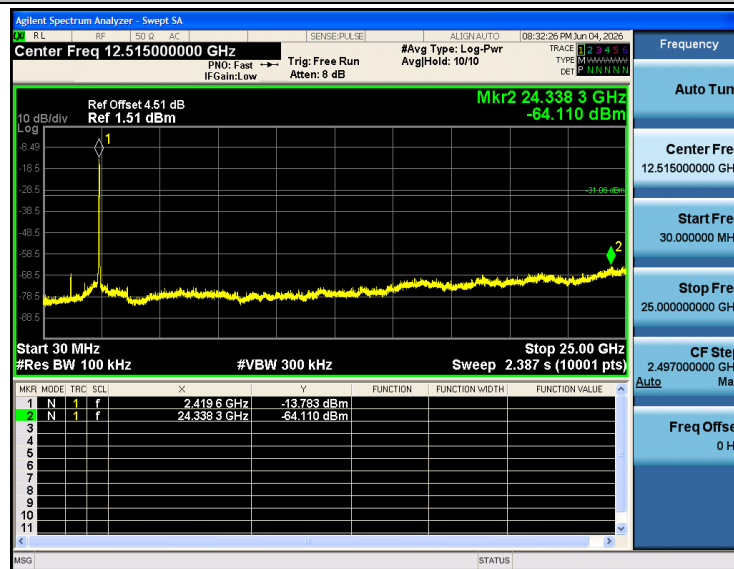
802.11ax(HE20)\_2462\_30~25000



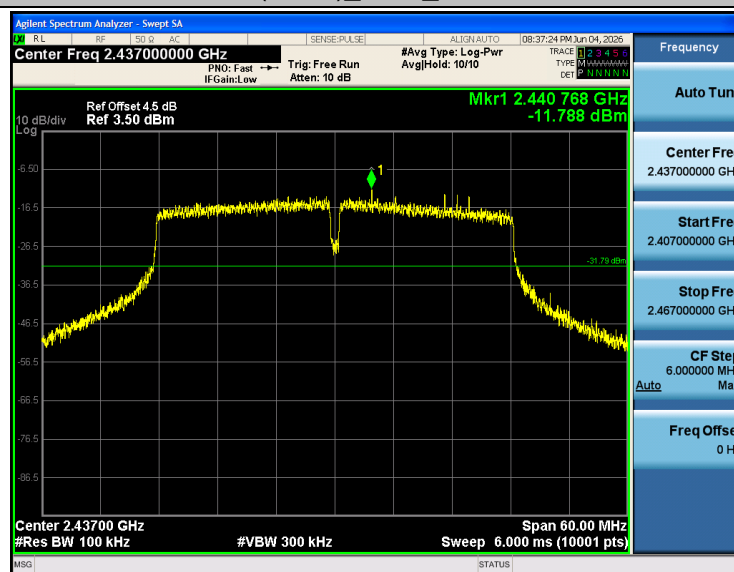
802.11n(HT40)\_2422\_0~Reference



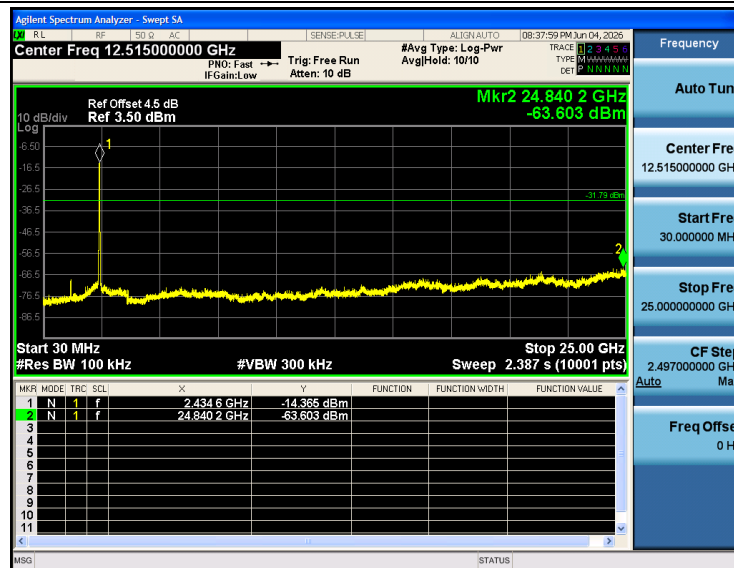
802.11n(HT40)\_2422\_30~25000



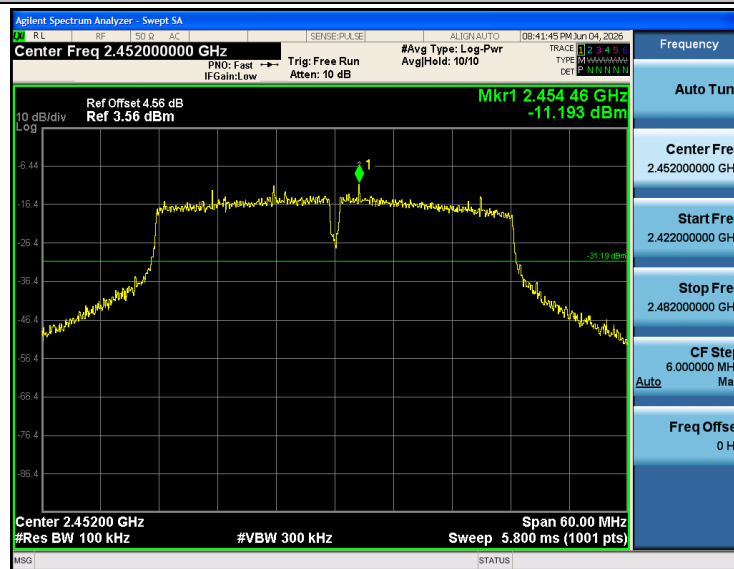
802.11n(HT40)\_2437\_0~Reference



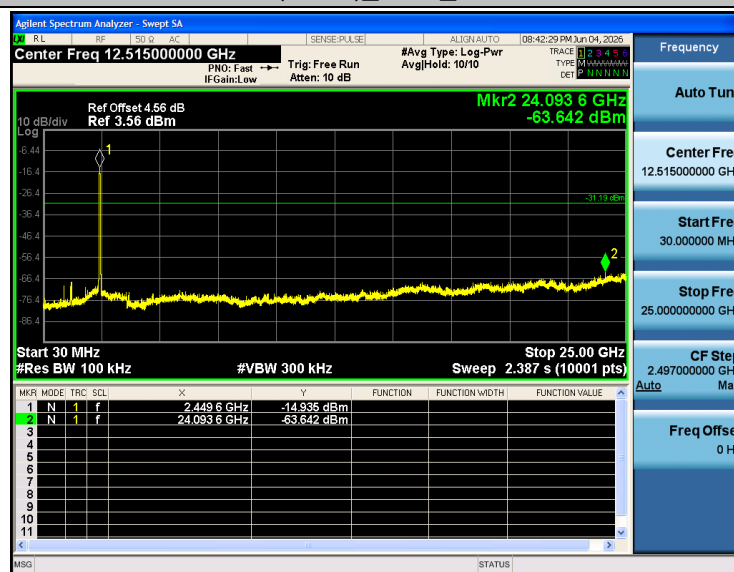
802.11n(HT40)\_2437\_30~25000



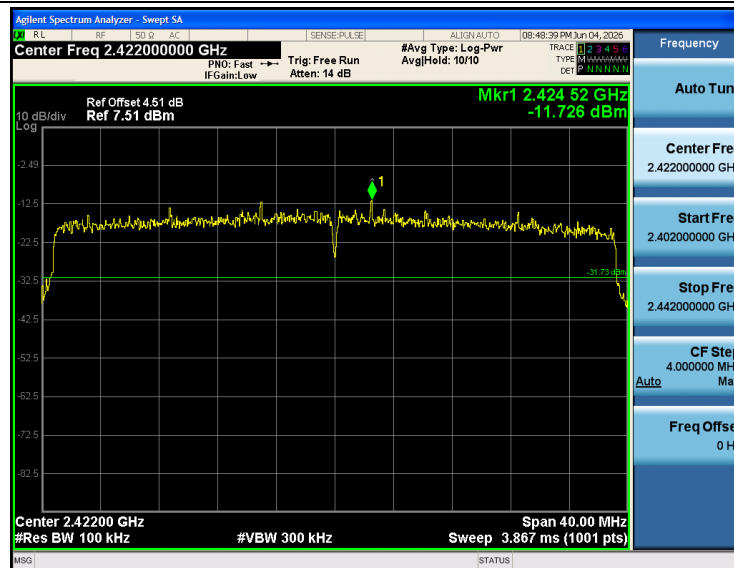
802.11n(HT40)\_2452\_0~Reference



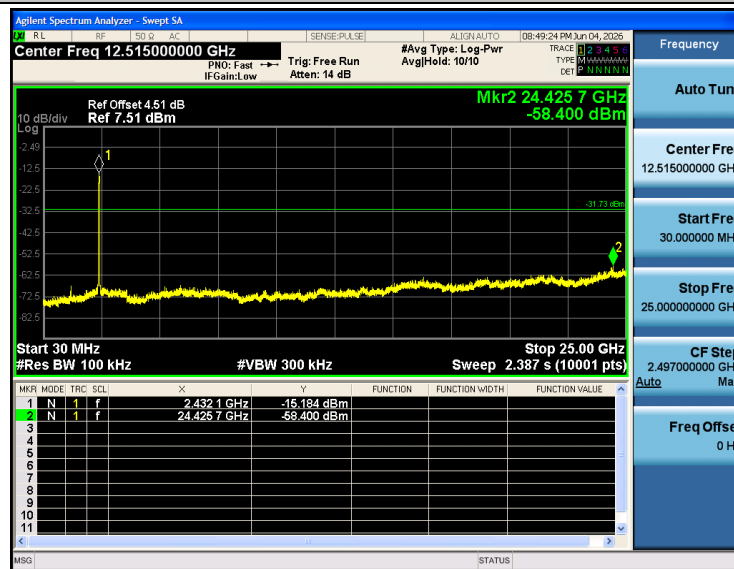
802.11n(HT40)\_2452\_30~25000



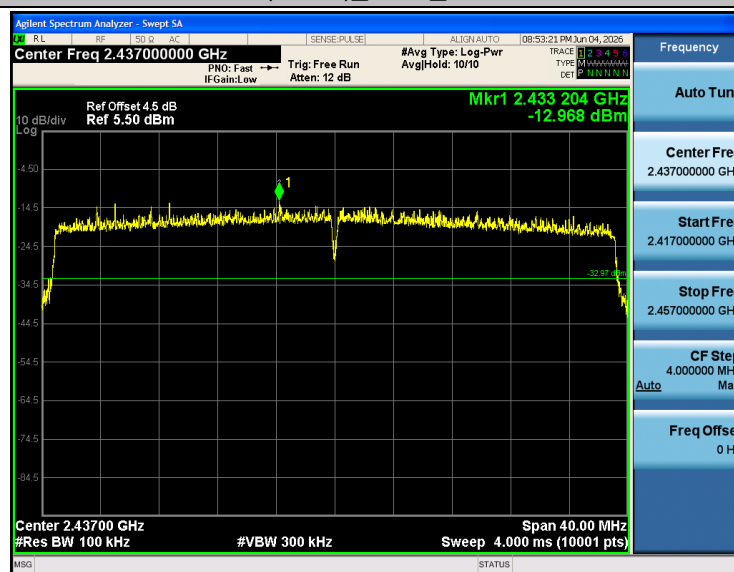
802.11ax(HE40)\_2422\_0~Reference



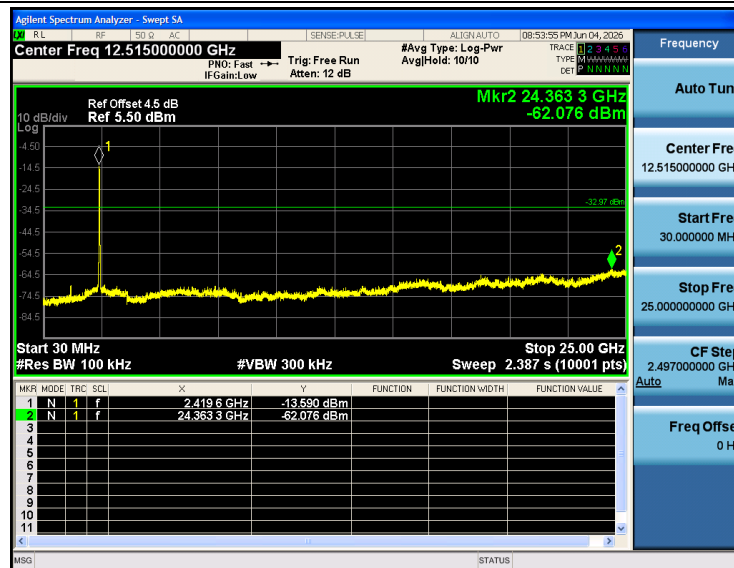
802.11ax(HE40)\_2422\_30~25000



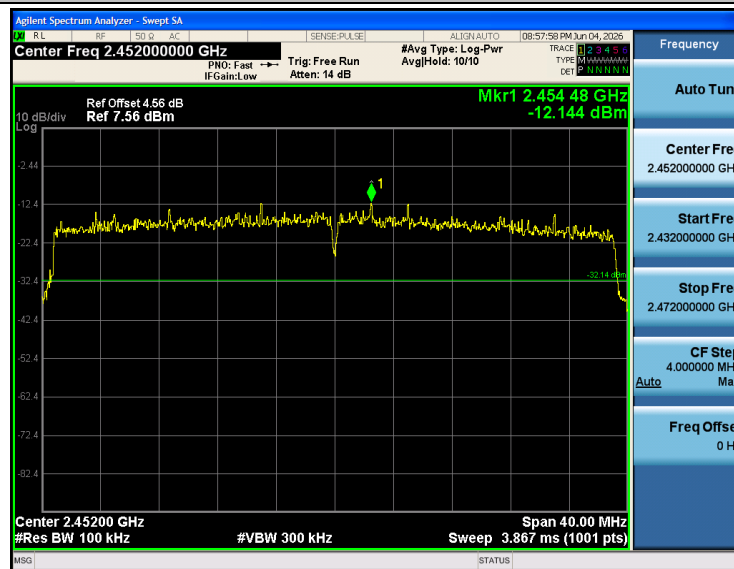
802.11ax(HE40)\_2437\_0~Reference



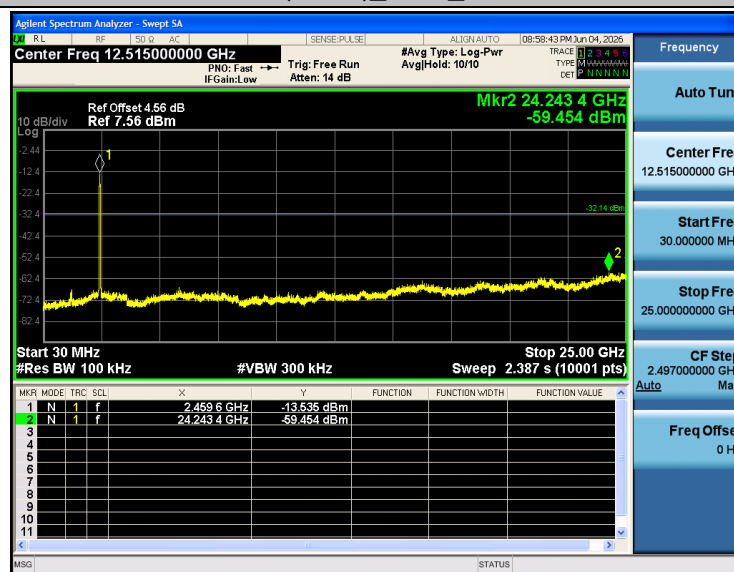
802.11ax(HE40)\_2437\_30~25000



## 802.11ax(HE40)\_2452\_0~Reference



## 802.11ax(HE40)\_2452\_30~25000





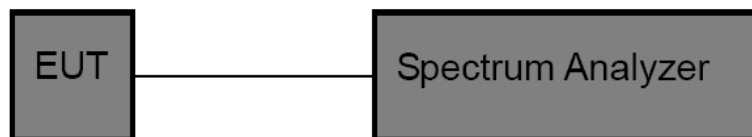
### 3.5. DTS Bandwidth

#### Limit

FCC CFR Title 47 Part 15 Subpart C Section 15.247 (a)(2)/ RSS-247 6.3.1 (a):

| Test Item     | Limit                             | Frequency Range(MHz) |
|---------------|-----------------------------------|----------------------|
| DTS Bandwidth | $\geq 500$ KHz<br>(6dB bandwidth) | 2400~2483.5          |

#### Test Configuration



#### Test Procedure

1. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram above.
2. DTS Spectrum Setting:
  - (1) Set RBW = 100 kHz.
  - (2) Set the video bandwidth (VBW)  $\geq 3$  RBW.
  - (3) Detector = Peak.
  - (4) Trace mode = Max hold.
  - (5) Sweep = Auto couple.OCB Spectrum Setting:
  - (1) Set RBW = 1% ~ 5% occupied bandwidth.
  - (2) Set the video bandwidth (VBW)  $\geq 3$  RBW.
  - (3) Detector = Peak.
  - (4) Trace mode = Max hold.
  - (5) Sweep = Auto couple.

NOTE: The EUT was set to continuously transmitting in each mode and low, Middle and high channel for the test.

#### Test Mode

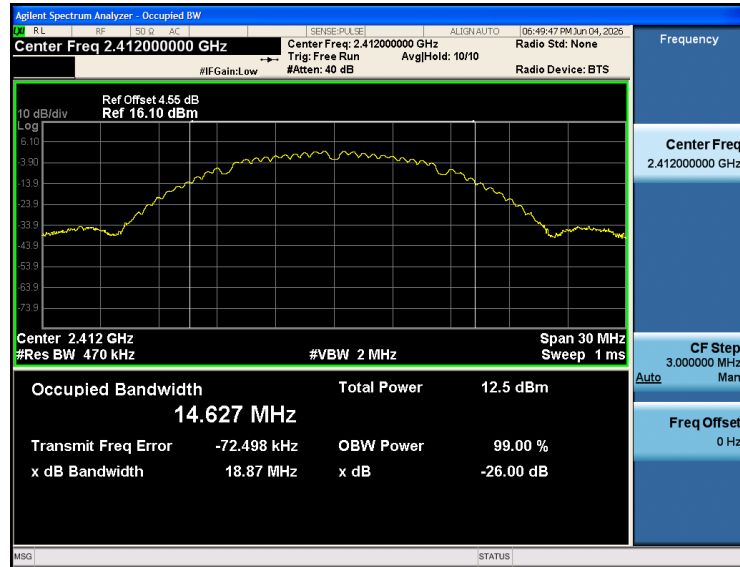
Please refer to the clause 2.4.

**Test Results**

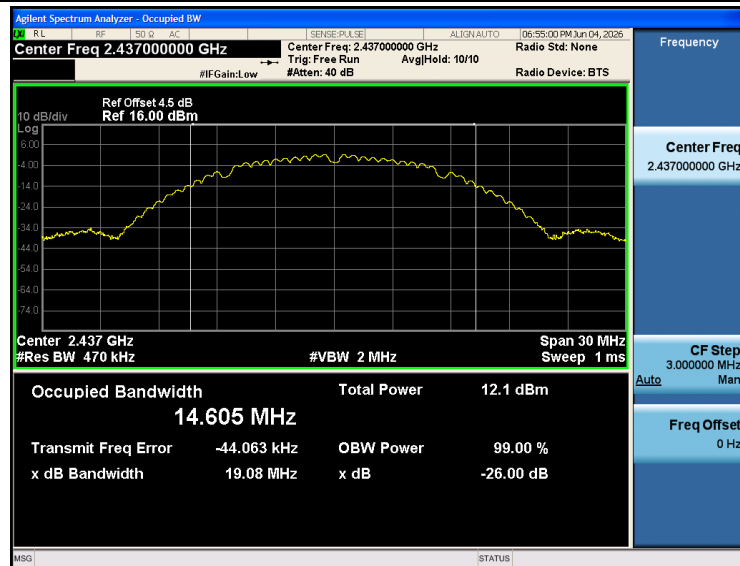
| Test Mode      | Frequency [MHz] | OBW [MHz] | DTS BW [MHz] | Limit [MHz] | Verdict |
|----------------|-----------------|-----------|--------------|-------------|---------|
| 802.11b        | 2412            | 14.627    | 10.07        | $\geq 0.5$  | PASS    |
|                | 2437            | 14.605    | 10.08        | $\geq 0.5$  | PASS    |
|                | 2462            | 14.599    | 10.06        | $\geq 0.5$  | PASS    |
| 802.11g        | 2412            | 18.115    | 15.47        | $\geq 0.5$  | PASS    |
|                | 2437            | 18.000    | 15.11        | $\geq 0.5$  | PASS    |
|                | 2462            | 18.332    | 15.47        | $\geq 0.5$  | PASS    |
| 802.11n(HT20)  | 2412            | 19.401    | 15.73        | $\geq 0.5$  | PASS    |
|                | 2437            | 19.372    | 15.14        | $\geq 0.5$  | PASS    |
|                | 2462            | 19.391    | 15.16        | $\geq 0.5$  | PASS    |
| 802.11ax(HE20) | 2412            | 19.549    | 16.91        | $\geq 0.5$  | PASS    |
|                | 2437            | 19.589    | 16.97        | $\geq 0.5$  | PASS    |
|                | 2462            | 19.502    | 18.55        | $\geq 0.5$  | PASS    |
| 802.11n(HT40)  | 2422            | 38.479    | 35.52        | $\geq 0.5$  | PASS    |
|                | 2437            | 38.185    | 35.16        | $\geq 0.5$  | PASS    |
|                | 2452            | 38.354    | 33.91        | $\geq 0.5$  | PASS    |
| 802.11ax(HE40) | 2422            | 38.582    | 36.46        | $\geq 0.5$  | PASS    |
|                | 2437            | 38.539    | 36.82        | $\geq 0.5$  | PASS    |
|                | 2452            | 38.587    | 35.76        | $\geq 0.5$  | PASS    |



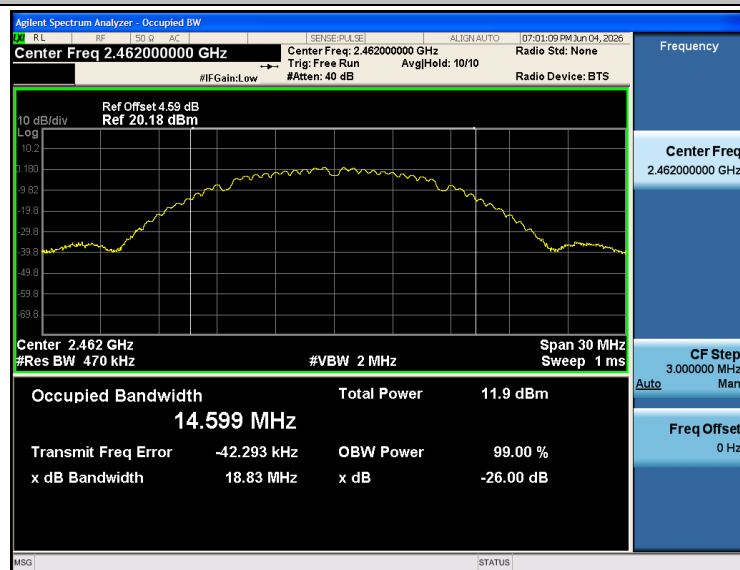
## 802.11b\_OBW\_2412



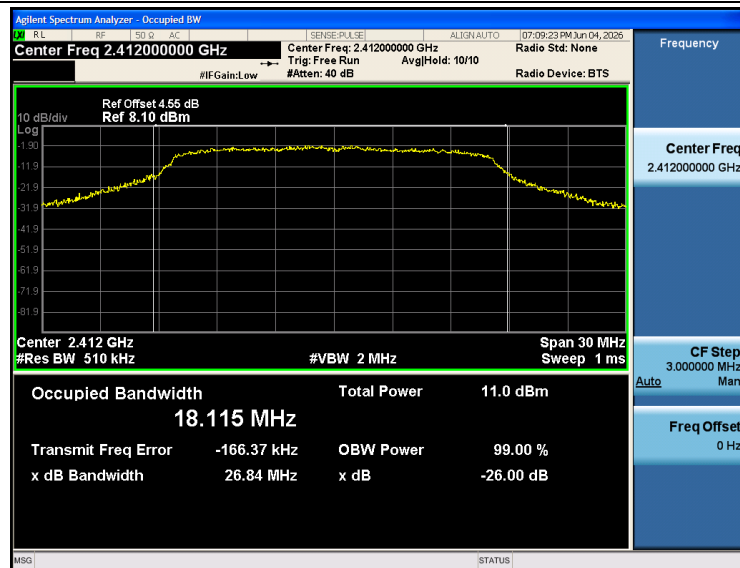
## 802.11b\_OBW\_2437



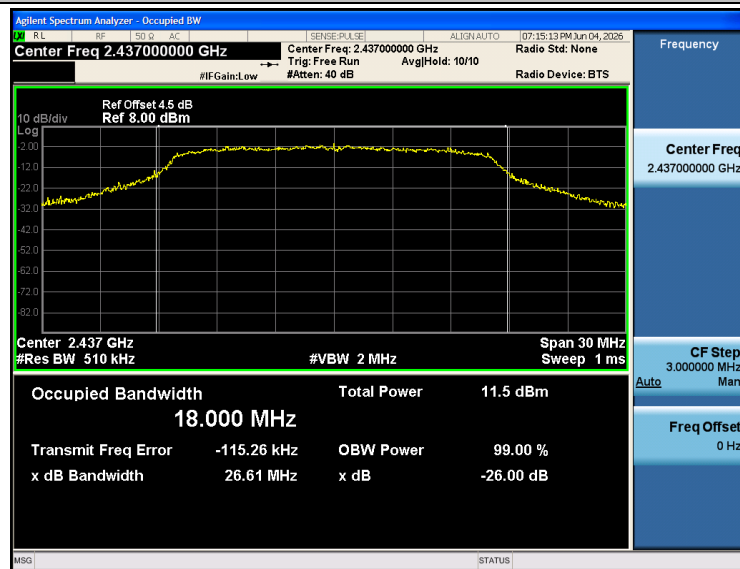
## 802.11b\_OBW\_2462



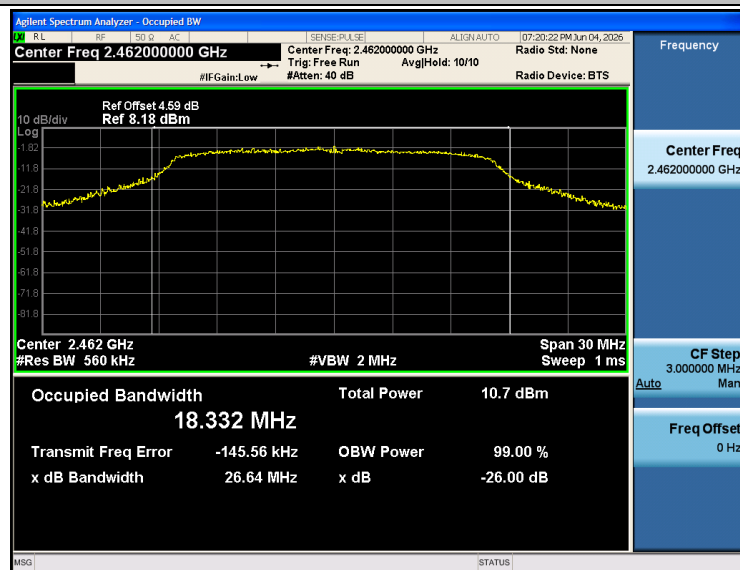
## 802.11g\_OBW\_2412



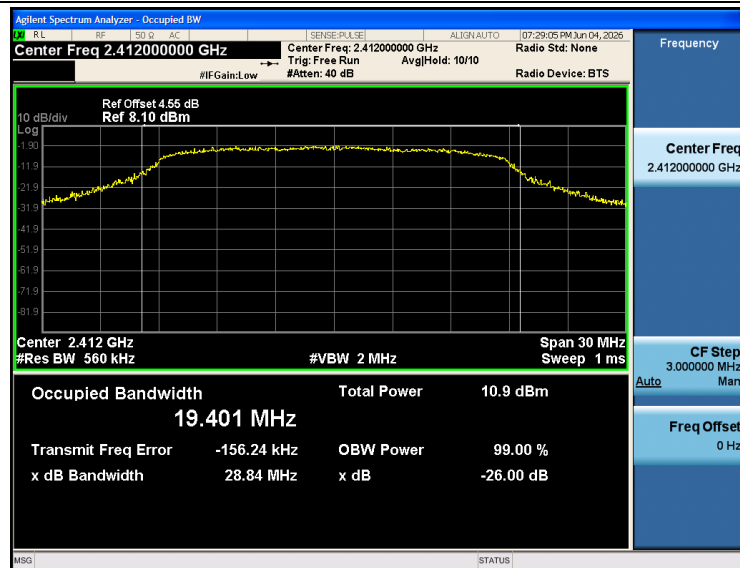
802.11g\_OBW\_2437



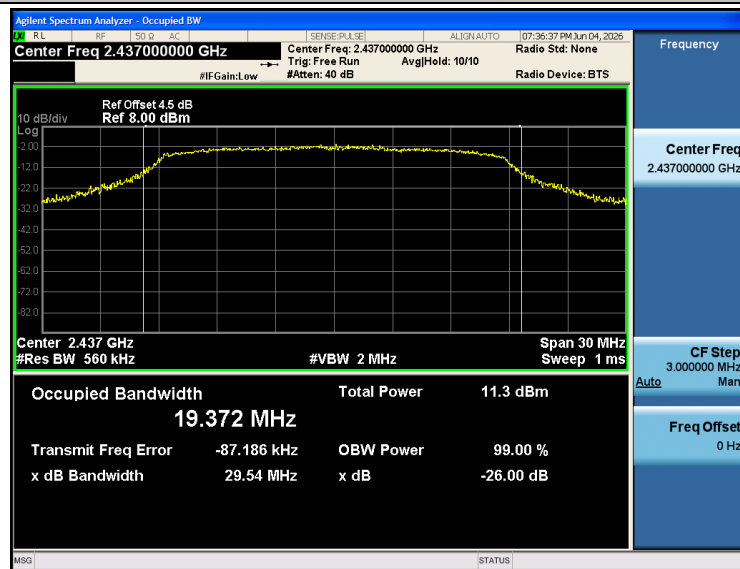
802.11g\_OBW\_2462



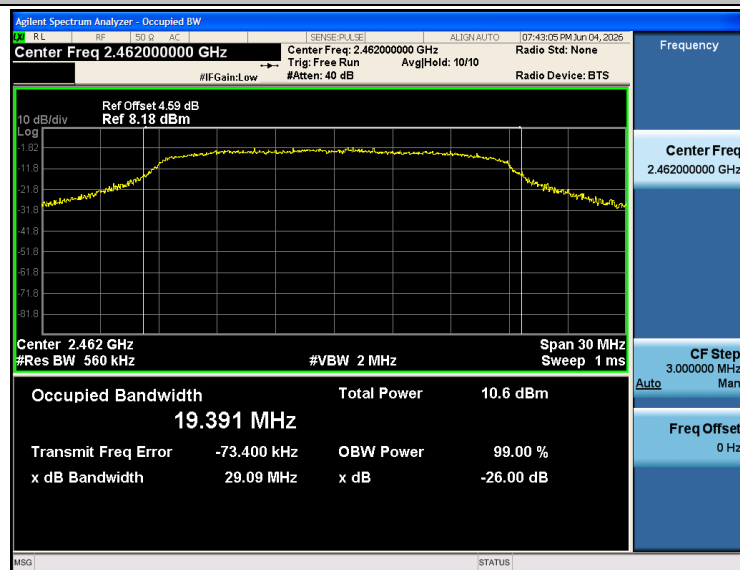
802.11n(HT20)\_OBW\_2412



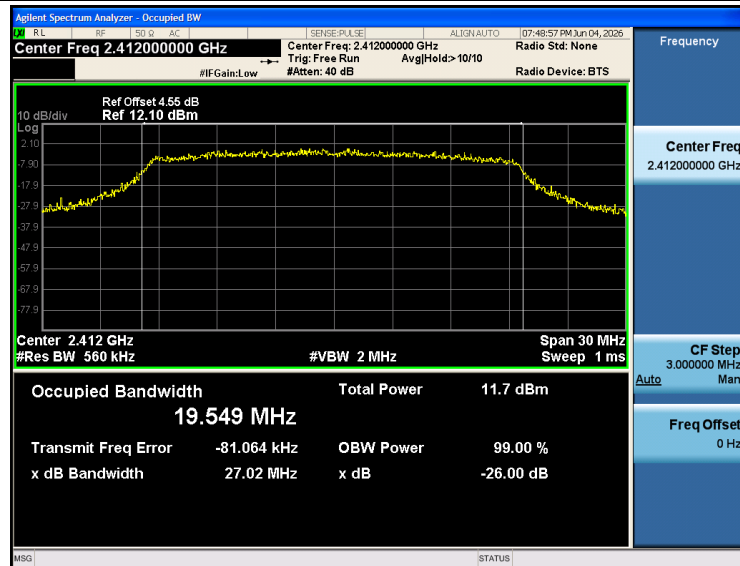
802.11n(HT20)\_OBW\_2437



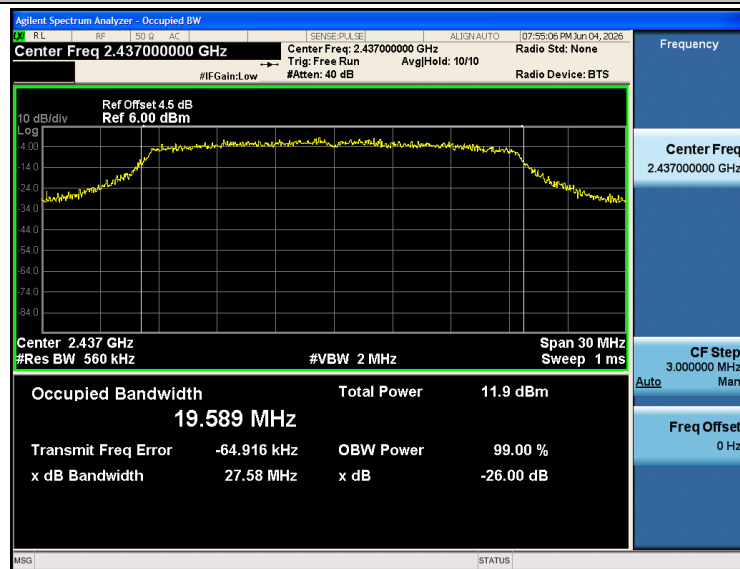
802.11n(HT20)\_OBW\_2462



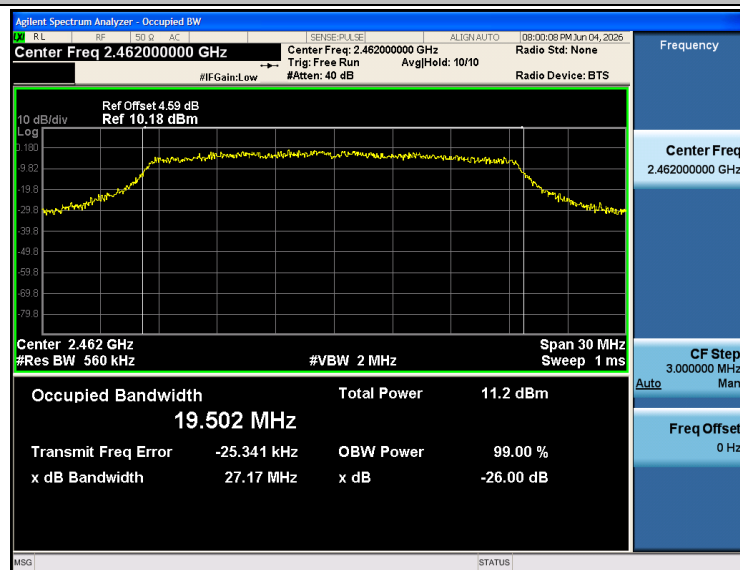
802.11ax(HE20)\_OBW\_2412



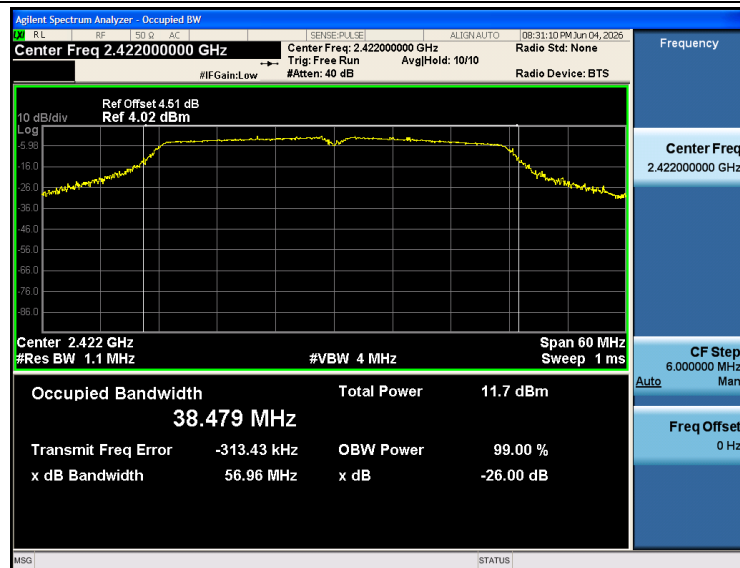
802.11ax(HE20)\_OBW\_2437



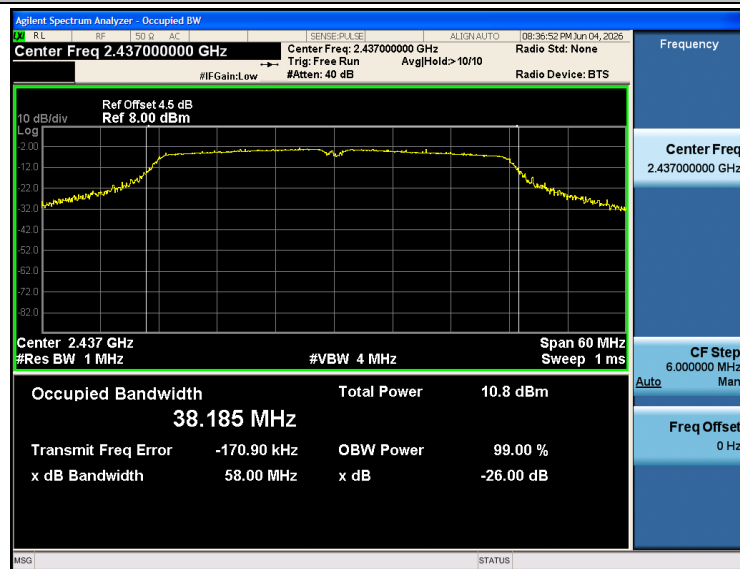
802.11ax(HE20)\_OBW\_2462



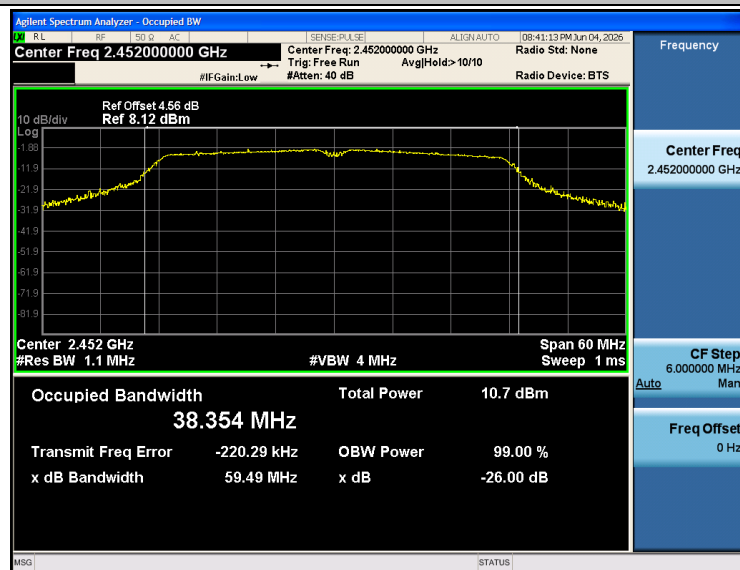
802.11n(HT40)\_OBW\_2422



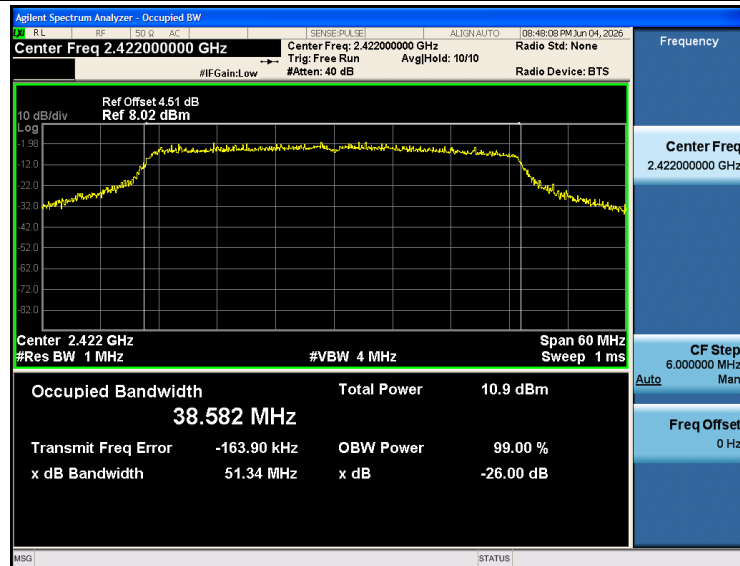
802.11n(HT40)\_OBW\_2437



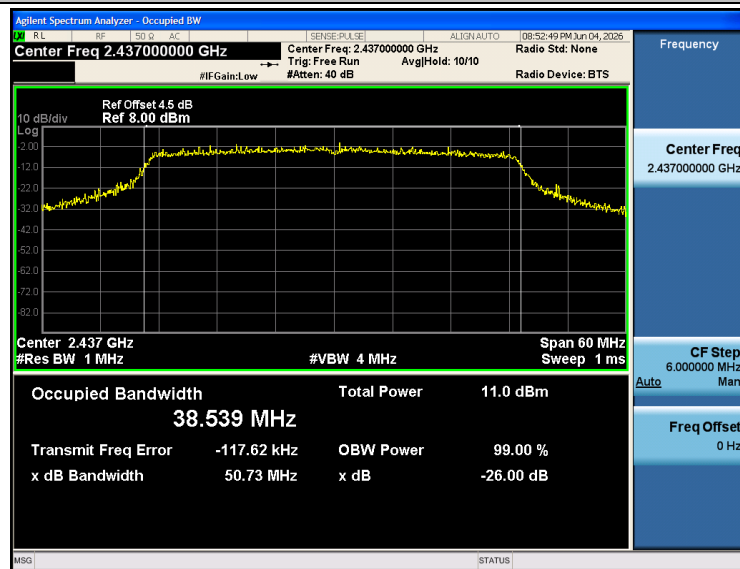
802.11n(HT40)\_OBW\_2452



802.11ax(HE40)\_OBW\_2422



## 802.11ax(HE40)\_OBW\_2437



## 802.11ax(HE40)\_OBW\_2452

