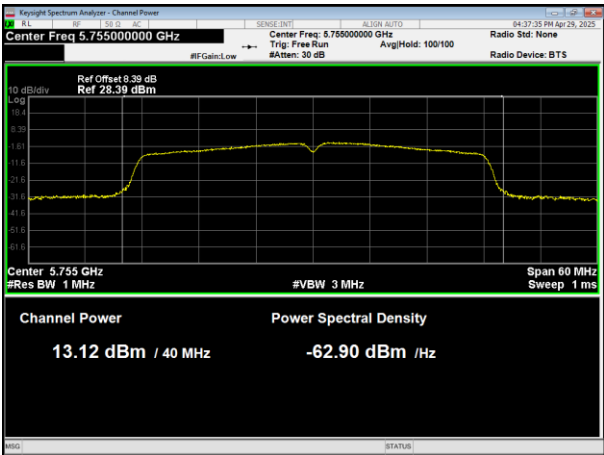
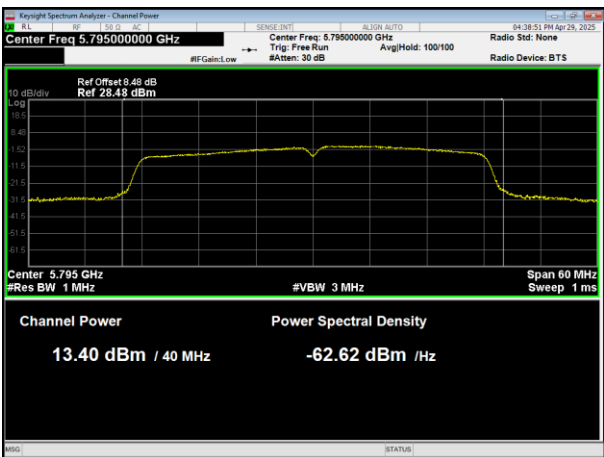




802.11n HT40



5755MHz



5795MHz



## 5.. POWER SPECTRAL DENSITY TEST

### 5.1. APPLIED PROCEDURES / LIMIT

|                                                                                                  |
|--------------------------------------------------------------------------------------------------|
| In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. |
| In addition, the maximum power spectral density shall not exceed 30 dBm in any 500 kHz band.     |

| Spectrum Parameters | Setting                                                    |
|---------------------|------------------------------------------------------------|
| Attenuation         | Auto                                                       |
| Span Frequency      | = the frequency band of operation                          |
| RB                  | RBW $\geq$ 1MHz for band 1<br>RBW $\geq$ 510KHz for band 4 |
| VB                  | VBW $\geq$ 3RBW                                            |
| Detector            | RMS (i.e., power averaging).                               |
| Trace               | Average                                                    |
| Sweep Time          | Auto                                                       |

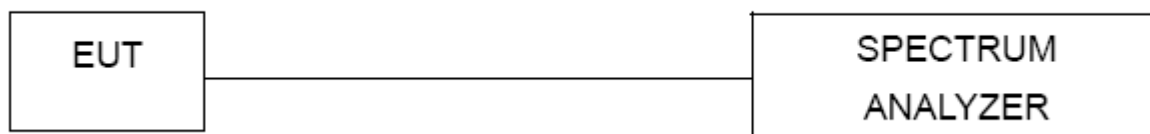
#### 5.1.1. TEST PROCEDURE

1. Place the EUT on the table and set it in transmitting mode.
2. The testing follows FCC KDB 789033 D02.
3. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to Spectrum.
4. For U-NII1, U-NII-2A, U-NII-2C Band:  
Set RBW=1MHz, VBW=3MHz, where span is enough to capture the entire bandwidth, Sweep time = Auto (601 pts), detector = sample, traces 100 sweeps of video averaging. (SA-2 with the omission of procedure x, the integration with 26dB EBW bandwidth)  
For U-NII-3 Band:  
Set RBW=510 kHz, VBW=3\*RBW, where span is enough to capture the entire bandwidth, Sweep time = Auto (601 pts), detector = sample, traces 100 sweeps of video averaging. (SA-2 with the omission of procedure x, the integration with 26dB EBW bandwidth)
5. Use the cursor on spectrum to peak search the highest level of trace
6. Record the max. reading and add 10 log(1/duty cycle).  
we test all antennas, the antenna 1 was worst mode and the data recording in the report.
7. Duty factor Reference is made to the test results in Section 7.1.5.

#### 5.1.2. DEVIATION FROM STANDARD

No deviation.

#### 5.1.3. TEST SETUP



#### 5.1.4. EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.



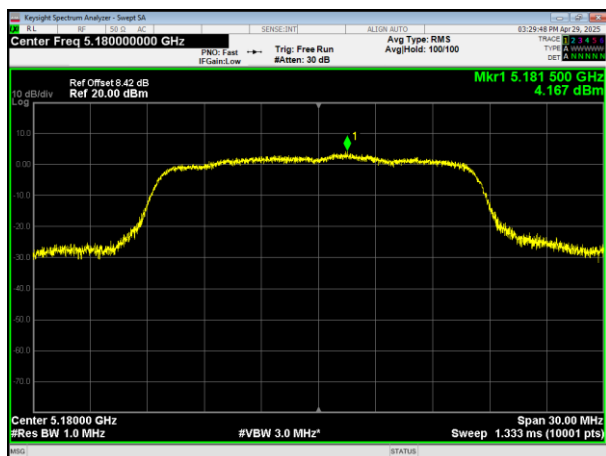
## 5.1.5. TEST RESULTS

|       | Mode       | Test Channel | Reading Level (dBm/MHz) | Duty factor (dB) | PSD (dBm/MHz) | Limit (dBm) | Result |
|-------|------------|--------------|-------------------------|------------------|---------------|-------------|--------|
| Band1 | 802.11a    | Low          | 4.167                   | 0.87             | 5.037         | 11.00       | PASS   |
|       |            | Middle       | 3.142                   | 1.12             | 4.262         | 11.00       | PASS   |
|       |            | High         | 5.496                   | 0.87             | 6.366         | 11.00       | PASS   |
|       | 802.11ac20 | Low          | 3.816                   | 0.13             | 3.946         | 11.00       | PASS   |
|       |            | Middle       | 3.46                    | 0.13             | 3.59          | 11.00       | PASS   |
|       |            | High         | 6.206                   | 0.13             | 6.336         | 11.00       | PASS   |
|       | 802.11ac40 | Low          | 2.08                    | 0.32             | 2.4           | 11.00       | PASS   |
|       |            | High         | 1.821                   | 0.26             | 2.081         | 11.00       | PASS   |
|       | 802.11n20  | Low          | 3.891                   | 0.13             | 4.021         | 11.00       | PASS   |
|       |            | Middle       | 3.08                    | 0.16             | 3.24          | 11.00       | PASS   |
|       |            | High         | 5.761                   | 0.13             | 5.891         | 11.00       | PASS   |
|       | 802.11n40  | Low          | 2.015                   | 0.32             | 2.335         | 11.00       | PASS   |
|       |            | High         | 1.481                   | 0.32             | 1.801         | 11.00       | PASS   |

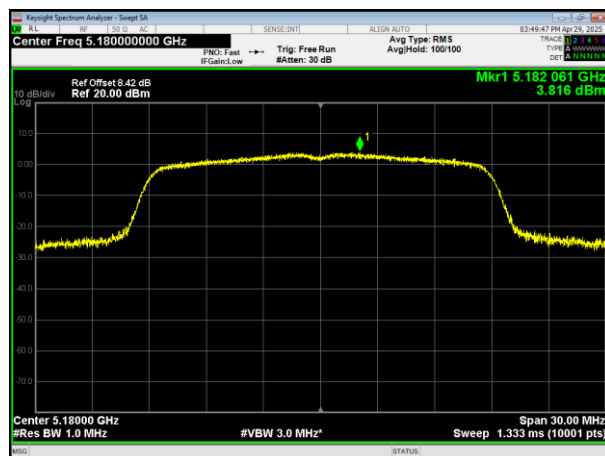
|       | Mode       | Test Channel | Reading Level (dBm/510kHz) | Duty factor (dB) | PSD (dBm/500kHz) | Limit (dBm/500kHz) | Result |
|-------|------------|--------------|----------------------------|------------------|------------------|--------------------|--------|
| Band4 | 802.11a    | Low          | -0.307                     | 0.87             | 0.563            | 30.00              | PASS   |
|       |            | Middle       | -0.746                     | 0.87             | 0.124            | 30.00              | PASS   |
|       |            | High         | 0.386                      | 0.87             | 1.256            | 30.00              | PASS   |
|       | 802.11ac20 | Low          | 0.862                      | 0.16             | 1.022            | 30.00              | PASS   |
|       |            | Middle       | -0.289                     | 0.13             | -0.159           | 30.00              | PASS   |
|       |            | High         | 0.585                      | 0.16             | 0.745            | 30.00              | PASS   |
|       | 802.11ac40 | Low          | -1.634                     | 0.26             | -1.374           | 30.00              | PASS   |
|       |            | High         | -1.608                     | 0.32             | -1.288           | 30.00              | PASS   |
|       | 802.11n20  | Low          | 0.057                      | 0.16             | 0.217            | 30.00              | PASS   |
|       |            | Middle       | -0.416                     | 0.13             | -0.286           | 30.00              | PASS   |
|       |            | High         | 0.627                      | 0.13             | 0.757            | 30.00              | PASS   |
|       | 802.11n40  | Low          | -1.514                     | 0.26             | -1.254           | 30.00              | PASS   |
|       |            | High         | -2.026                     | 0.26             | -1.766           | 30.00              | PASS   |



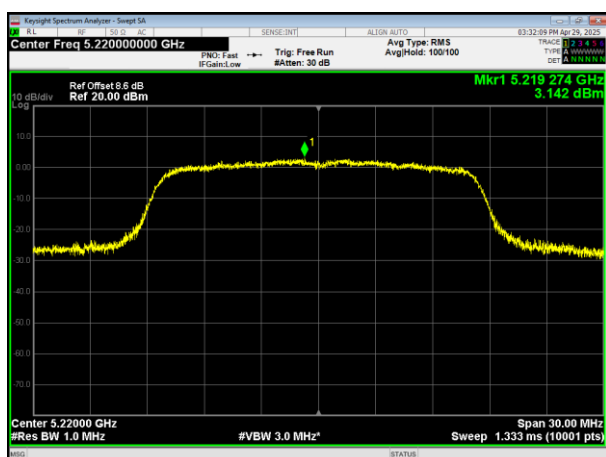
802.11a



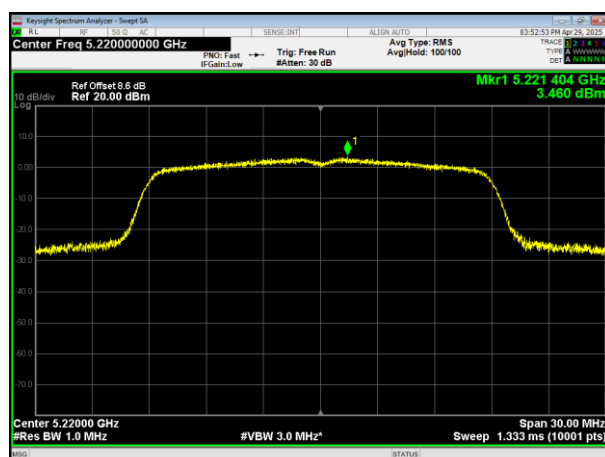
802.11ac HT20



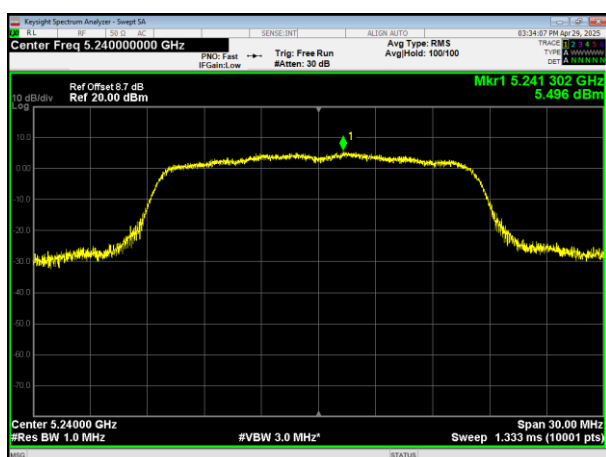
5180MHz



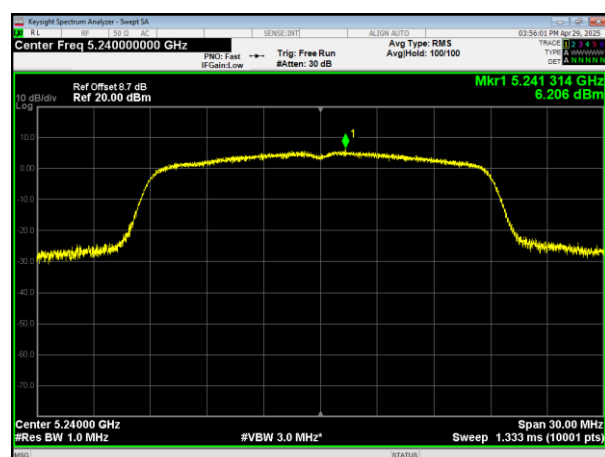
5180MHz



5200MHz



5200MHz



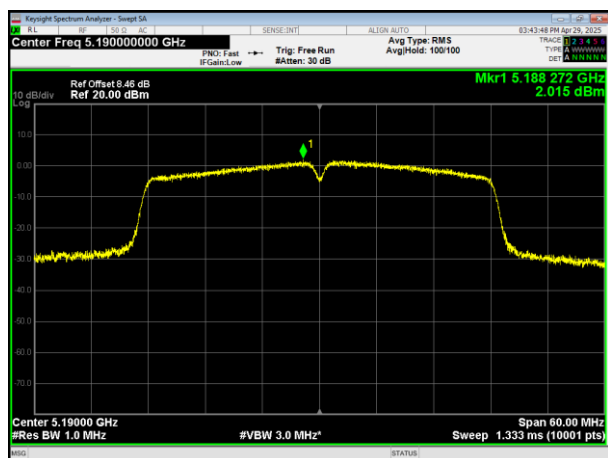
5240MHz

5240MHz

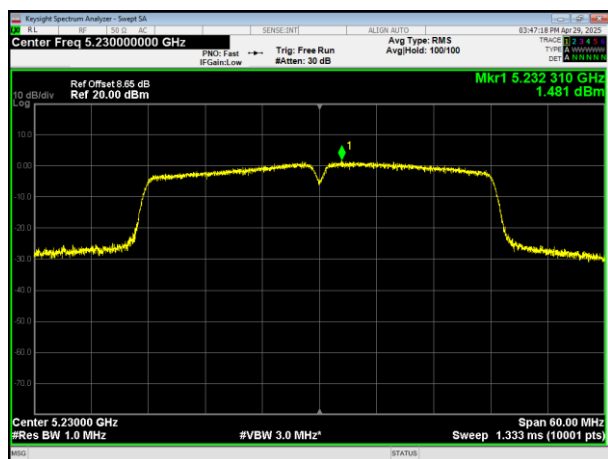




## 802.11n HT40



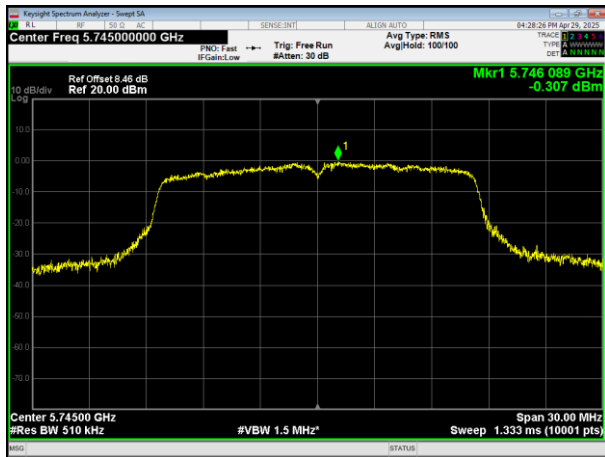
## 5190MHz



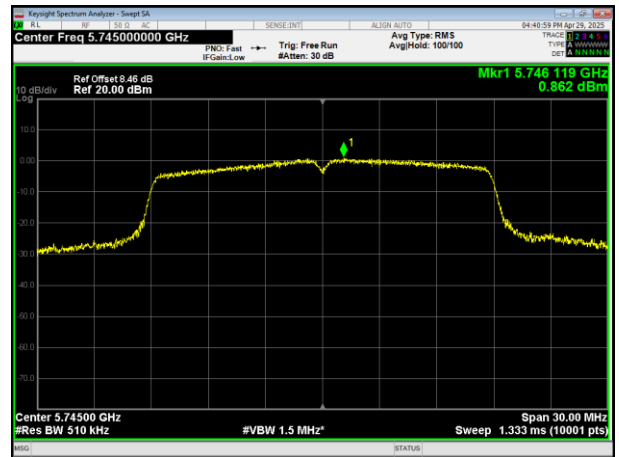
## 5230MHz



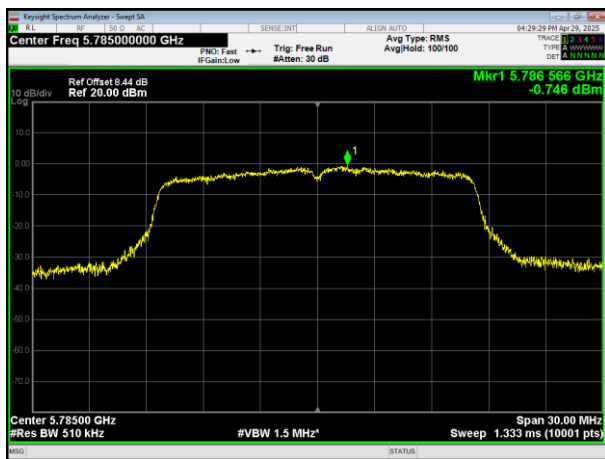
802.11a



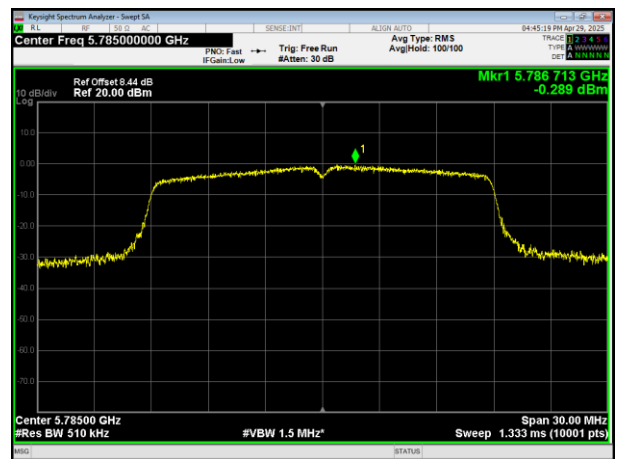
802.11ac HT20



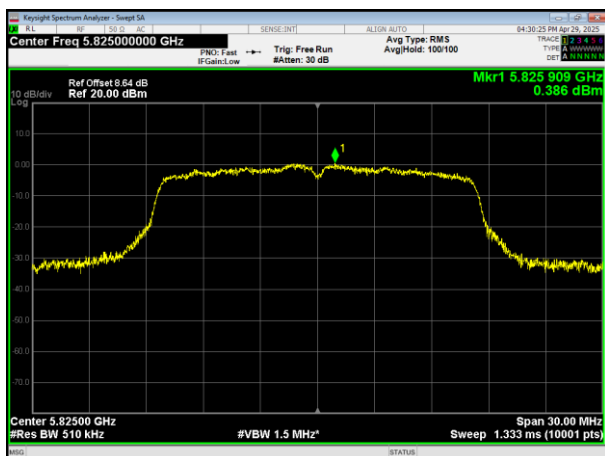
5745MHz



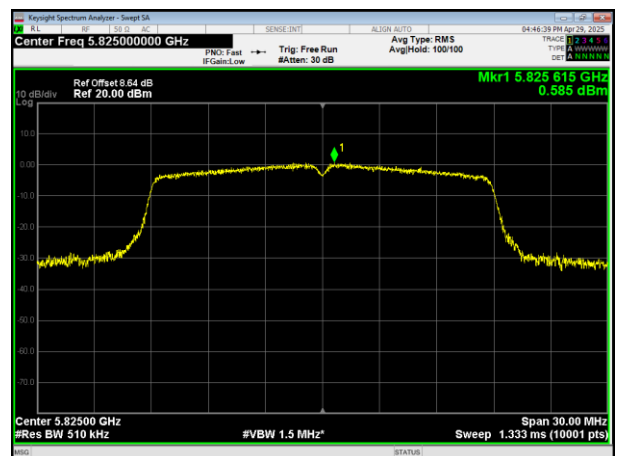
5745MHz



5785MHz



5785MHz



5825MHz

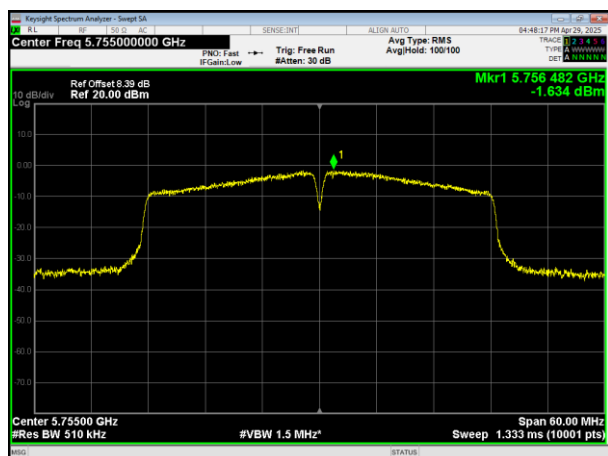


5825MHz

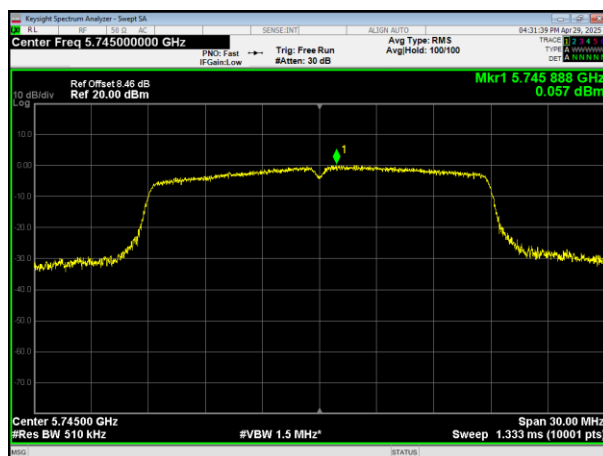




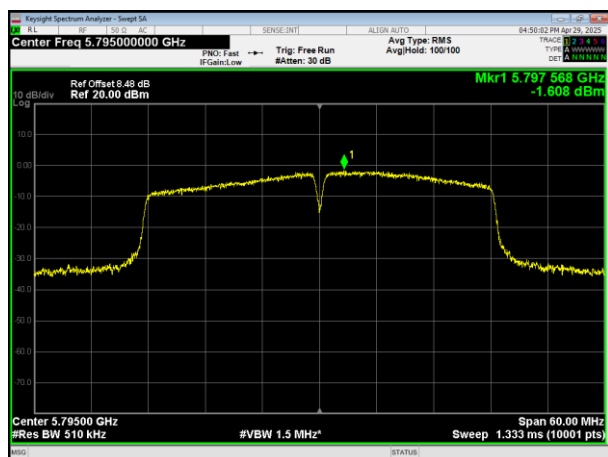
802.11ac HT40



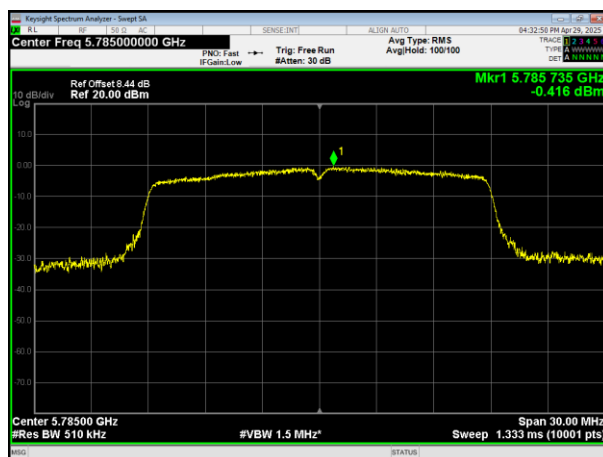
802.11n HT20



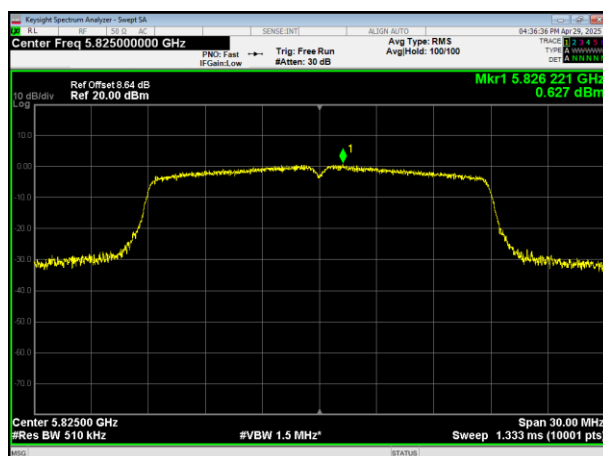
5755MHz



5745MHz



5795MHz

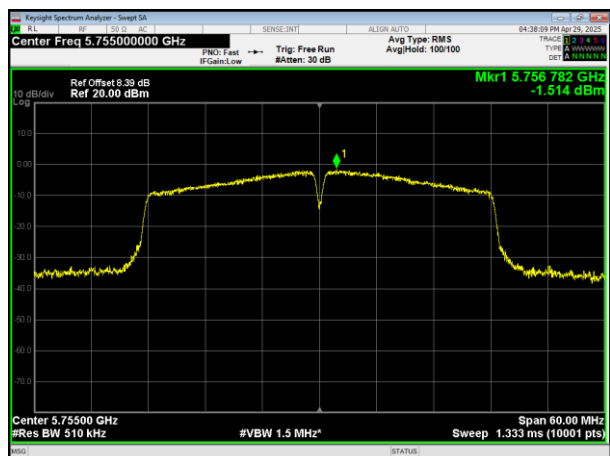


5785MHz

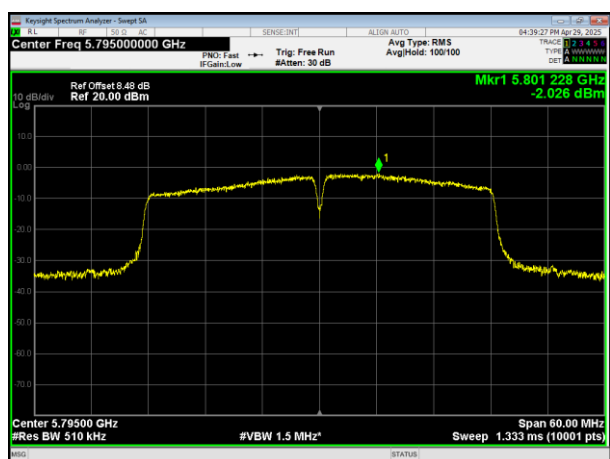
5825MHz



## 802.11n HT40



## 5755MHz



## 5795MHz



## 6.. 6DB&26DB&99% BANDWIDTH TEST

### 6.1. APPLIED PROCEDURES / LIMIT

The 26 dB bandwidth is used to determine the conducted power limits.

There is no limit bandwidth for U-NII-1, U-NII-2-A and U-NII-2-C.

The minimum of 6dB Bandwidth measurement is 0.5 MHz for U-NII-3

#### 6.1.1. TEST PROCEDURE

| 6dB Bandwidth       |                                                                                            |
|---------------------|--------------------------------------------------------------------------------------------|
| Spectrum Parameters | Setting                                                                                    |
| RBW                 | 100KHz                                                                                     |
| VBW                 | 300KHz                                                                                     |
| Span                | 30MHz(20MHz Bandwidth mode)<br>60MHz(40MHz Bandwidth mode)<br>120MHz(80MHz Bandwidth mode) |
| Sweep Time          | Auto                                                                                       |
| Detector            | Peak                                                                                       |
| Trace Mode          | Max Hold                                                                                   |

| 26dB Bandwidth      |                                                                                            |
|---------------------|--------------------------------------------------------------------------------------------|
| Spectrum Parameters | Setting                                                                                    |
| RBW                 | approximately 1% of the emission bandwidth                                                 |
| VBW                 | >RBW                                                                                       |
| Span                | 30MHz(20MHz Bandwidth mode)<br>60MHz(40MHz Bandwidth mode)<br>120MHz(80MHz Bandwidth mode) |
| Sweep Time          | Auto                                                                                       |
| Detector            | Peak                                                                                       |
| Trace Mode          | Max Hold                                                                                   |

| 99% Occupied Bandwidth |                                         |
|------------------------|-----------------------------------------|
| Spectrum Parameters    | Setting                                 |
| RBW                    | 1% to 5% of the OBW                     |
| VBW                    | Approximately three times the RBW       |
| Span                   | between 1.5 times and 5.0 times the OBW |
| Sweep Time             | Auto                                    |
| Detector               | Peak                                    |
| Trace Mode             | Max Hold                                |

#### 6.1.2. DEVIATION FROM STANDARD

No deviation.

#### 6.1.3. TEST SETUP





#### 6.1.4. EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.3 Unless otherwise a special operating condition is specified in the follows during the testing.

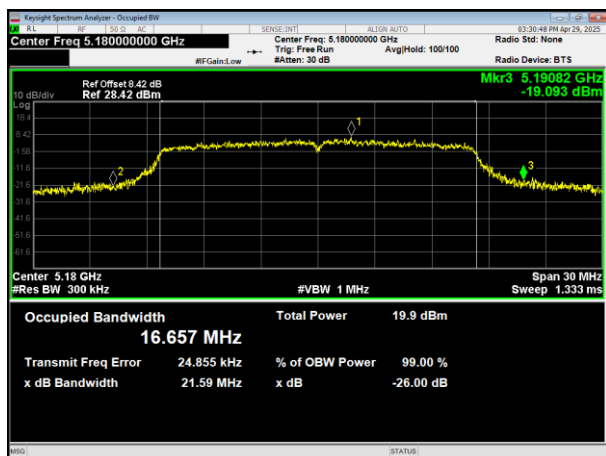
#### 6.1.5. TEST RESULTS

|        |               | Test Channel | 26dB Bandwidth (MHz) | Result |
|--------|---------------|--------------|----------------------|--------|
| Band 1 | 802.11a       | Low          | 21.59                | Pass   |
|        |               | Middle       | 28.223               | Pass   |
|        |               | High         | 20.328               | Pass   |
|        | 802.11ac HT20 | Low          | 29.574               | Pass   |
|        |               | Middle       | 29.871               | Pass   |
|        |               | High         | 25.079               | Pass   |
|        | 802.11ac HT40 | Low          | 51.024               | Pass   |
|        |               | High         | 55.856               | Pass   |
|        | 802.11n HT20  | Low          | 29.228               | Pass   |
|        |               | Middle       | 29.557               | Pass   |
|        |               | High         | 28.847               | Pass   |
|        | 802.11n HT40  | Low          | 51.98                | Pass   |
|        |               | High         | 56.761               | Pass   |

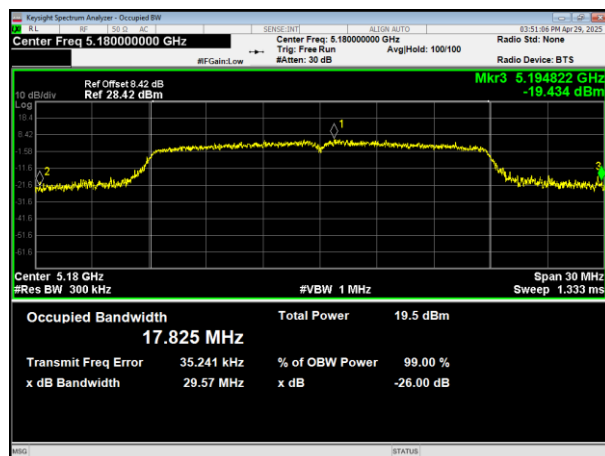
|        |               | Test Channel | 6dB Bandwidth (MHz) | 6dB Bandwidth Limit (MHz) | Result |
|--------|---------------|--------------|---------------------|---------------------------|--------|
| Band 4 | 802.11a       | Low          | 15.758              | >0.5                      | Pass   |
|        |               | Middle       | 15.774              | >0.5                      | Pass   |
|        |               | High         | 16.257              | >0.5                      | Pass   |
|        | 802.11ac HT20 | Low          | 14.048              | >0.5                      | Pass   |
|        |               | Middle       | 16.591              | >0.5                      | Pass   |
|        |               | High         | 15.053              | >0.5                      | Pass   |
|        | 802.11ac HT40 | Low          | 28.74               | >0.5                      | Pass   |
|        |               | High         | 31.327              | >0.5                      | Pass   |
|        | 802.11n HT20  | Low          | 15.084              | >0.5                      | Pass   |
|        |               | Middle       | 15.927              | >0.5                      | Pass   |
|        |               | High         | 17.501              | >0.5                      | Pass   |
|        | 802.11n HT40  | Low          | 28.747              | >0.5                      | Pass   |
|        |               | High         | 32.523              | >0.5                      | Pass   |



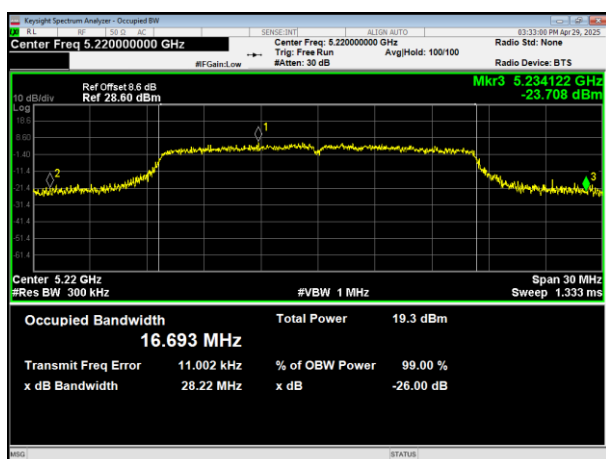
802.11a



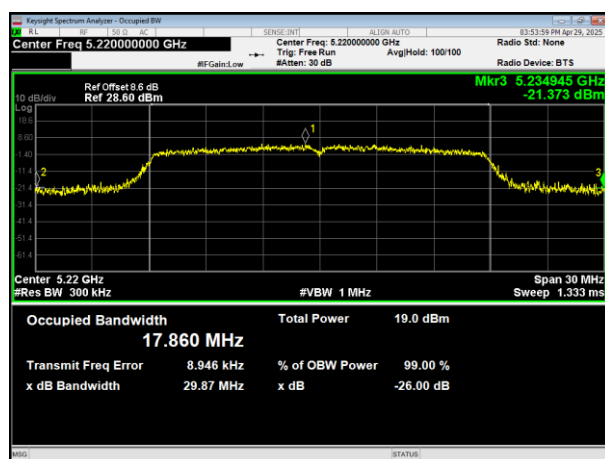
802.11ac HT20



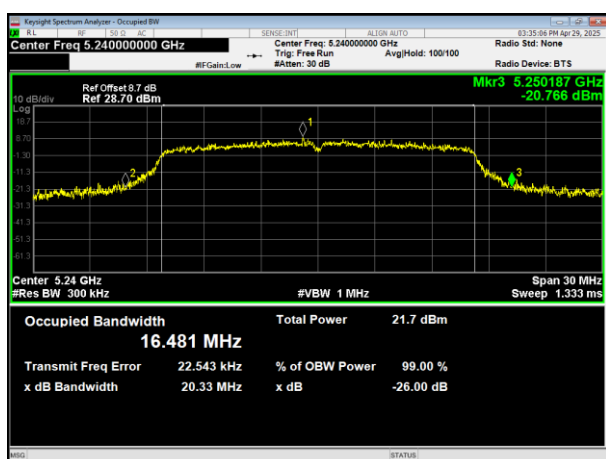
5180MHz



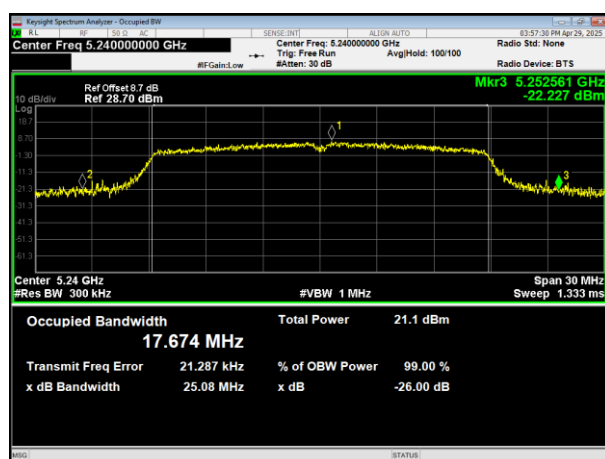
5180MHz



5200MHz



5200MHz

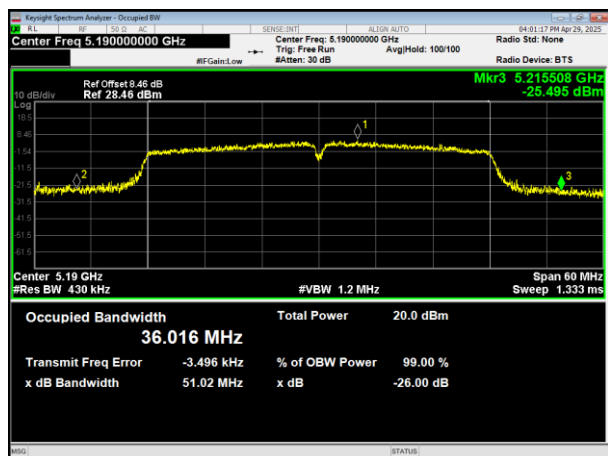


5240MHz

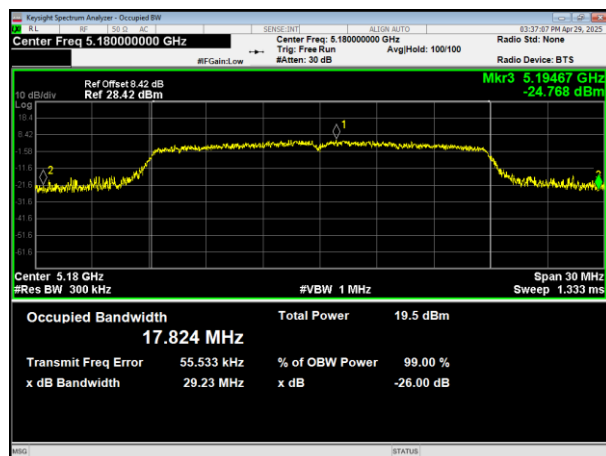
5240MHz



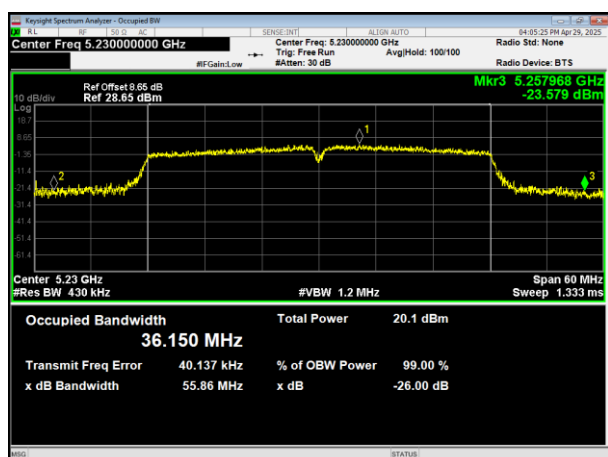
## 802.11ac HT40



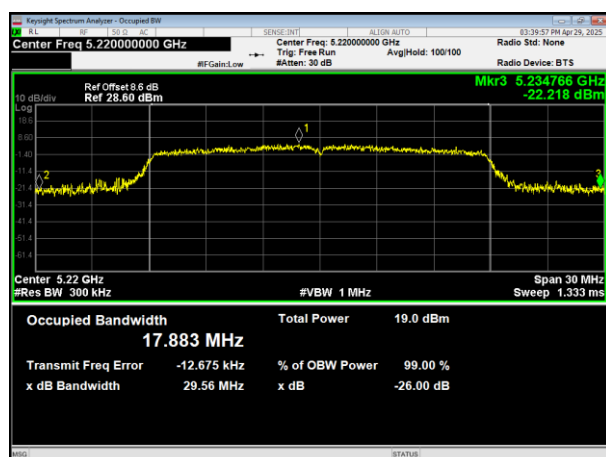
## 802.11n HT20



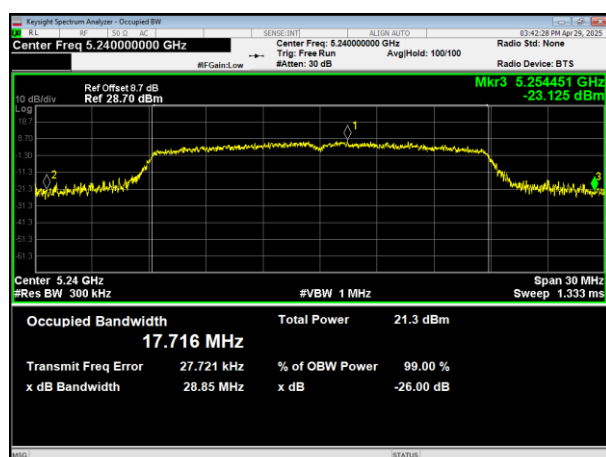
## 5190MHz



## 5180MHz



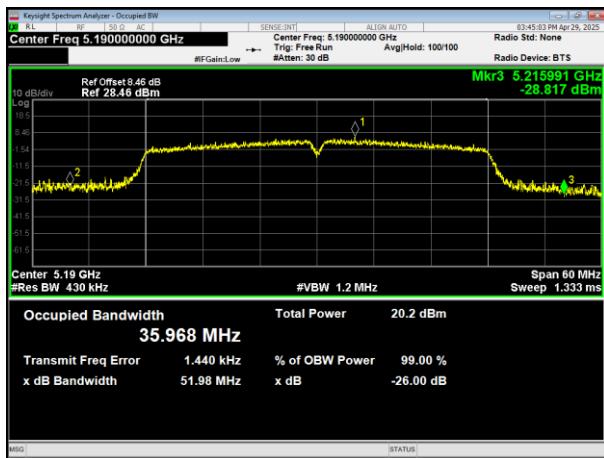
## 5230MHz



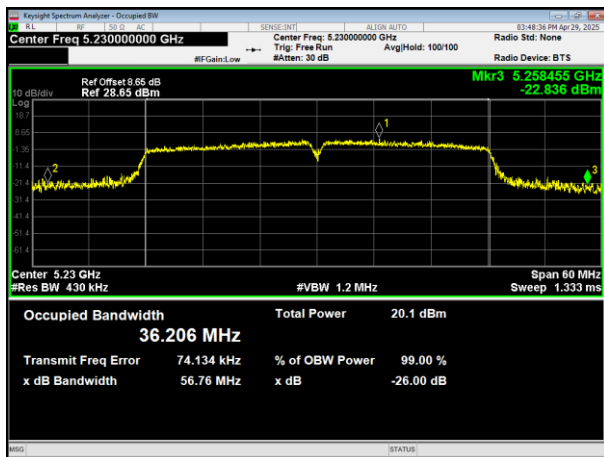
## 5240MHz



## 802.11n HT40



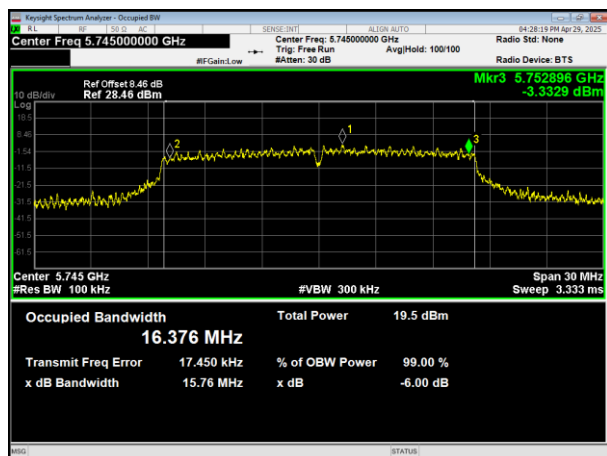
## 5190MHz



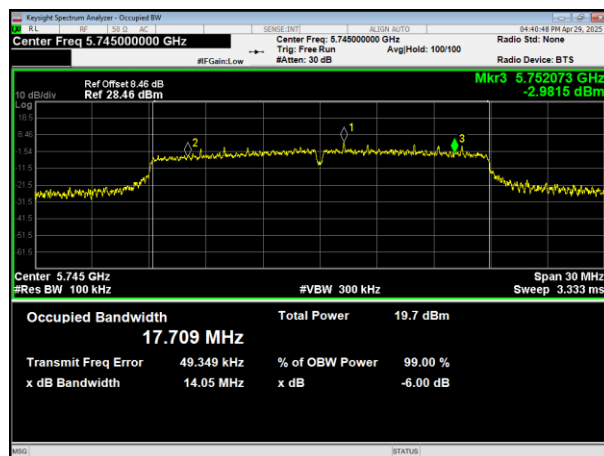
## 5230MHz



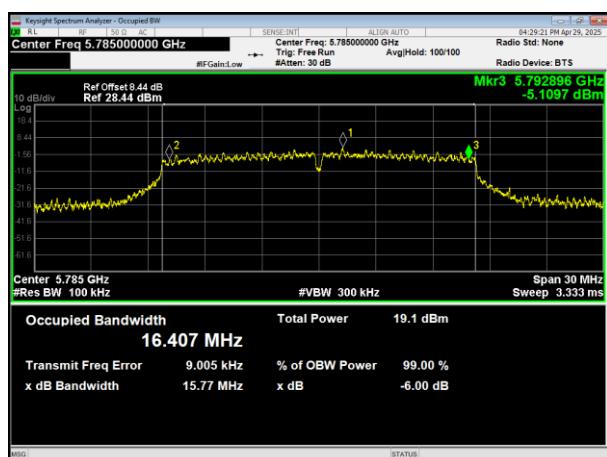
## 802.11a



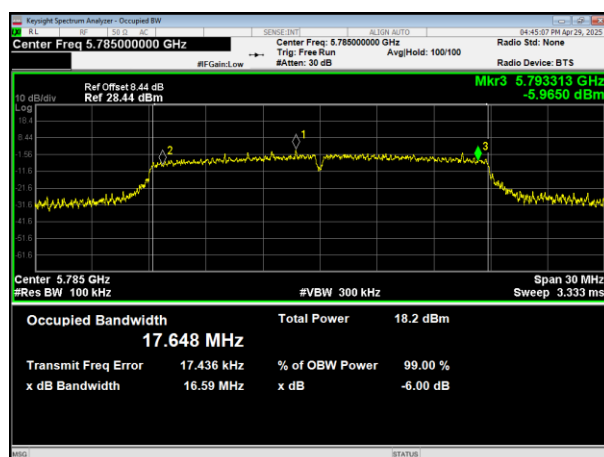
## 802.11ac HT20



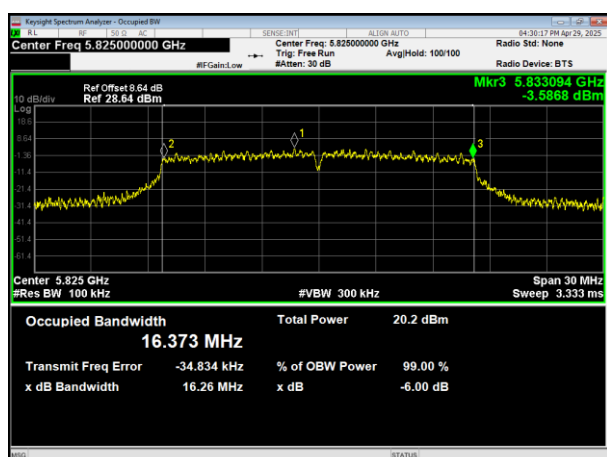
## 5745MHz



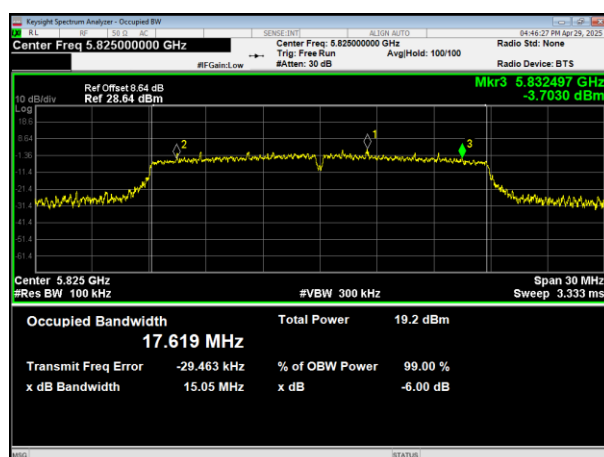
## 5745MHz



## 5785MHz



## 5785MHz

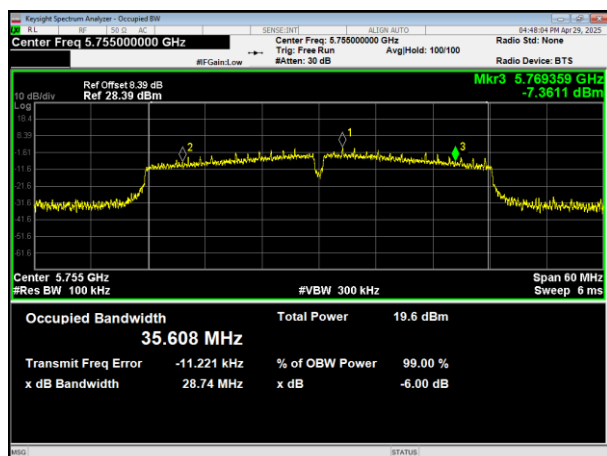


## 5825MHz

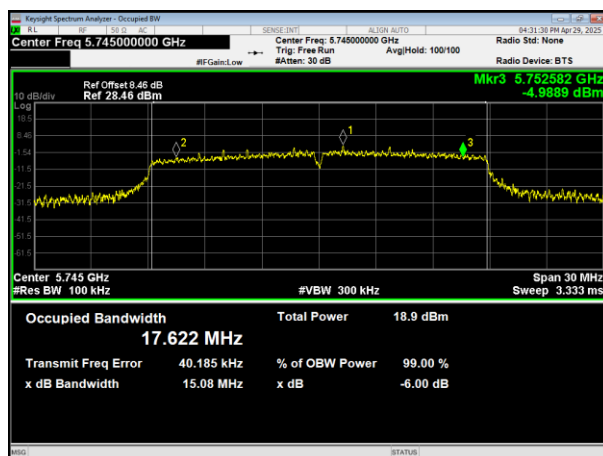
## 5825MHz



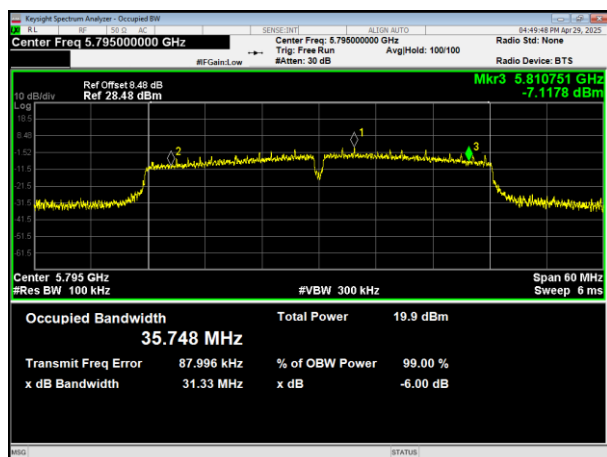
## 802.11ac HT40



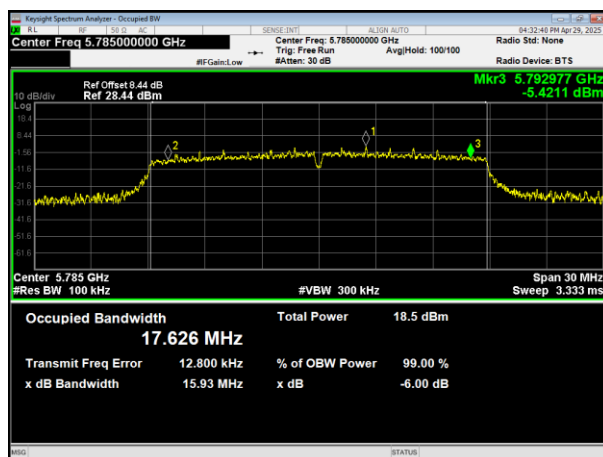
## 802.11n HT20



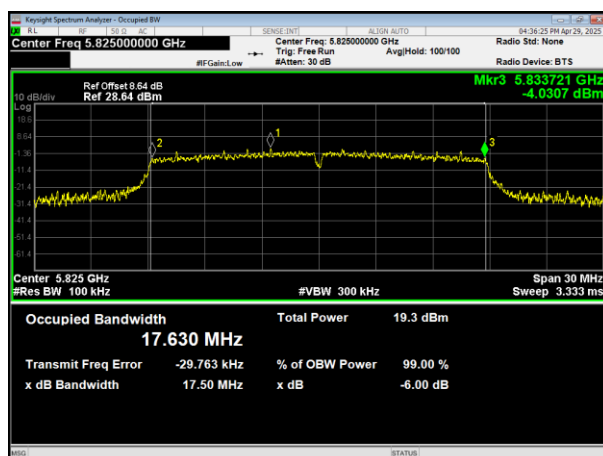
## 5755MHz



## 5745MHz



## 5795MHz

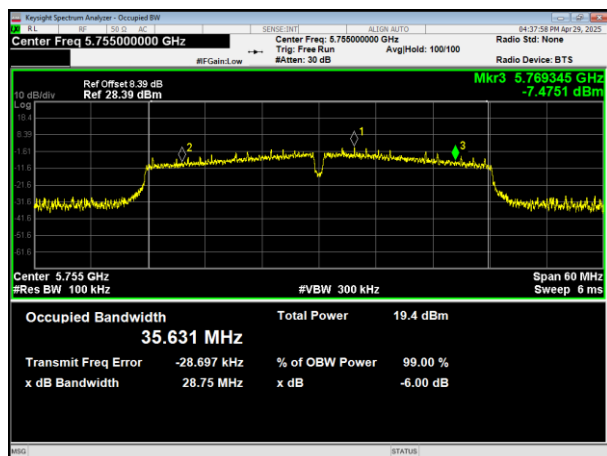


## 5785MHz

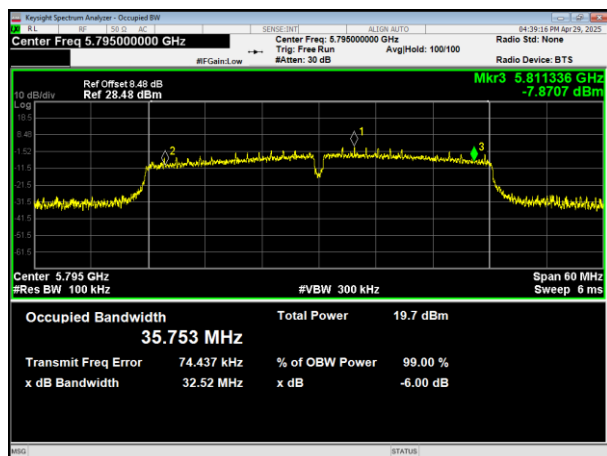
## 5825MHz



## 802.11n HT40



## 5755MHz



## 5795MHz



## 7.. DUTY CYCLE TEST SIGNAL

### 7.1. APPLIED PROCEDURES / LIMIT

Pre-analysis Check: While conducting average power measurement, duty cycle of each mode shall be checked to ensure its duty cycle in order to compensate for the loss due to insufficient ratio of duty cycle. All duty cycle is pre-scanned, and result as obtained below shows only the most representative ones where duty cycle is conducted as the given transmission with given virtual operation that expresses the percentage.

#### 7.1.1. TEST PROCEDURE

1. Set RBW = 1 MHz.
2. Set the video bandwidth (VBW)  $\geq$  RBW.
3. Detector = Peak.
4. Sweep = auto couple.
5. Allow the trace to stabilize.
6. Span=0

#### 7.1.2. DEVIATION FROM STANDARD

No deviation.

#### 7.1.3. TEST SETUP



#### 7.1.4. EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.3 Unless otherwise a special operating condition is specified in the follows during the testing.



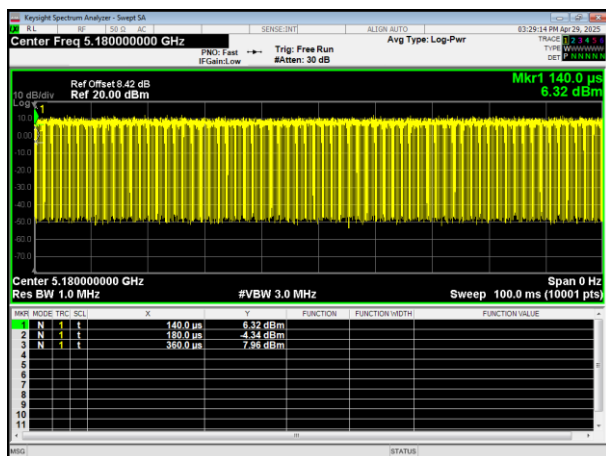
## 7.1.5. TEST RESULTS

|        |               | Test Channel | Duty Cycle(%) | Duty Fator (dB)<br>10 * log (1/ Duty cycle) |
|--------|---------------|--------------|---------------|---------------------------------------------|
| Band 1 | 802.11a       | Low          | 81.82         | 0.87                                        |
|        |               | Middle       | 77.27         | 1.12                                        |
|        |               | High         | 81.82         | 0.87                                        |
|        | 802.11ac HT20 | Low          | 97.04         | 0.13                                        |
|        |               | Middle       | 97.06         | 0.13                                        |
|        |               | High         | 97.06         | 0.13                                        |
|        | 802.11ac HT40 | Low          | 92.86         | 0.32                                        |
|        |               | High         | 94.29         | 0.26                                        |
|        | 802.11n HT20  | Low          | 97.01         | 0.13                                        |
|        |               | Middle       | 96.3          | 0.16                                        |
|        |               | High         | 97.01         | 0.13                                        |
|        | 802.11n HT40  | Low          | 92.86         | 0.32                                        |
|        |               | High         | 92.86         | 0.32                                        |

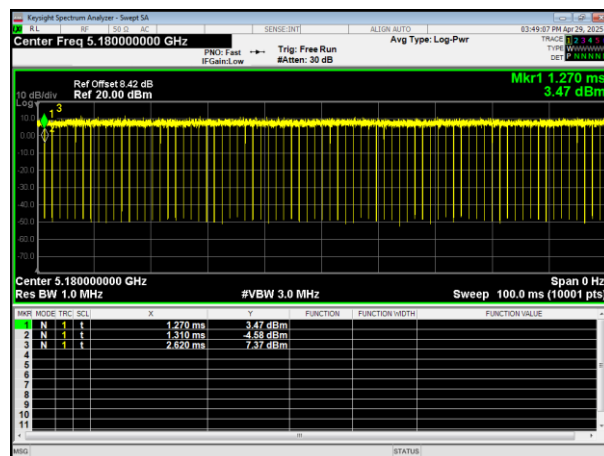
|        |               | Test Channel | Duty Cycle(%) | Duty Fator (dB)<br>10 * log (1/ Duty cycle) |
|--------|---------------|--------------|---------------|---------------------------------------------|
| Band 4 | 802.11a       | Low          | 81.82         | 0.87                                        |
|        |               | Middle       | 81.82         | 0.87                                        |
|        |               | High         | 81.82         | 0.87                                        |
|        | 802.11ac HT20 | Low          | 96.32         | 0.16                                        |
|        |               | Middle       | 97.06         | 0.13                                        |
|        |               | High         | 96.32         | 0.16                                        |
|        | 802.11ac HT40 | Low          | 94.29         | 0.26                                        |
|        |               | High         | 92.86         | 0.32                                        |
|        | 802.11n HT20  | Low          | 96.3          | 0.16                                        |
|        |               | Middle       | 97.01         | 0.13                                        |
|        |               | High         | 97.01         | 0.13                                        |
|        | 802.11n HT40  | Low          | 94.2          | 0.26                                        |
|        |               | High         | 94.2          | 0.26                                        |



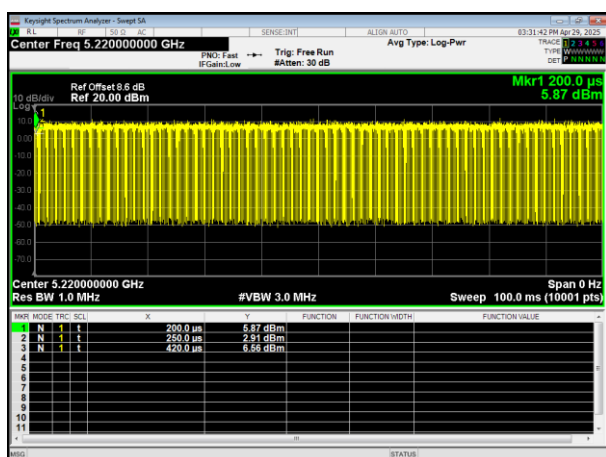
802.11a



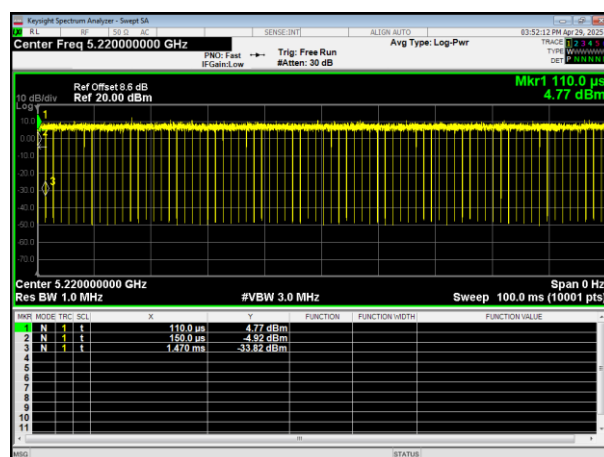
802.11ac HT20



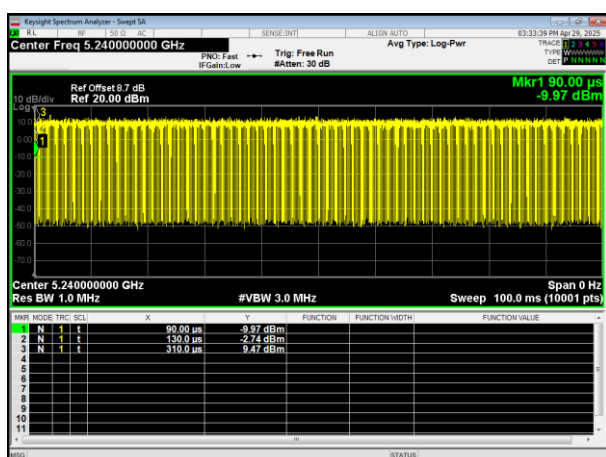
5180MHz



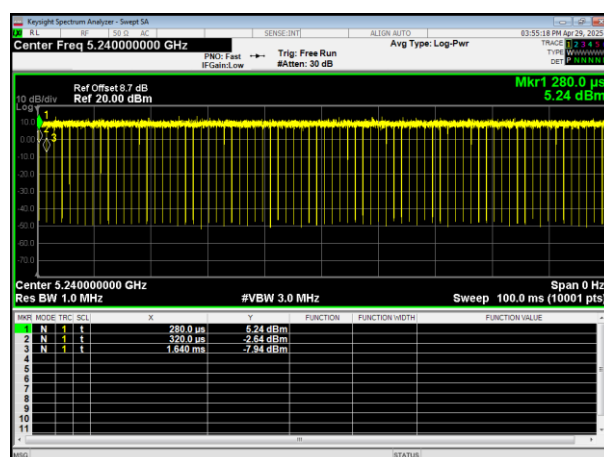
5180MHz



5200MHz



5200MHz



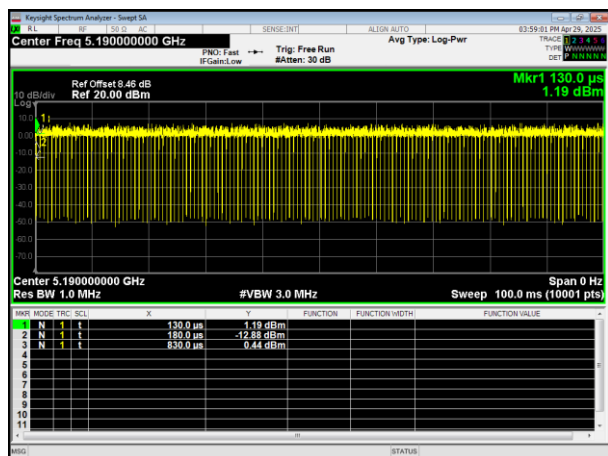
5240MHz



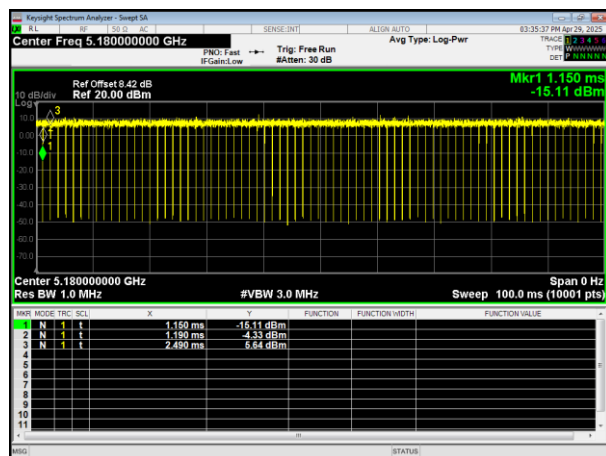
5240MHz



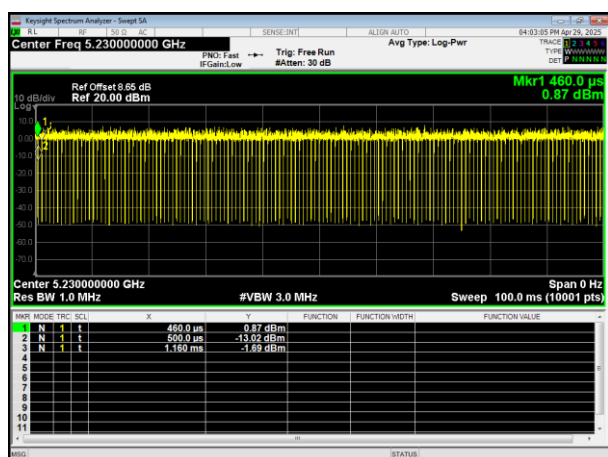
## 802.11ac HT40



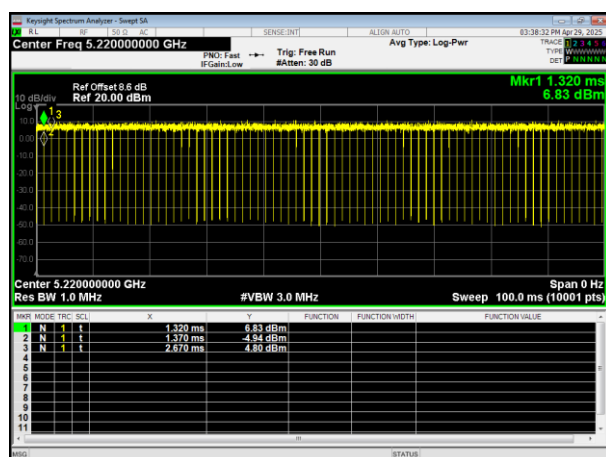
## 802.11n HT20



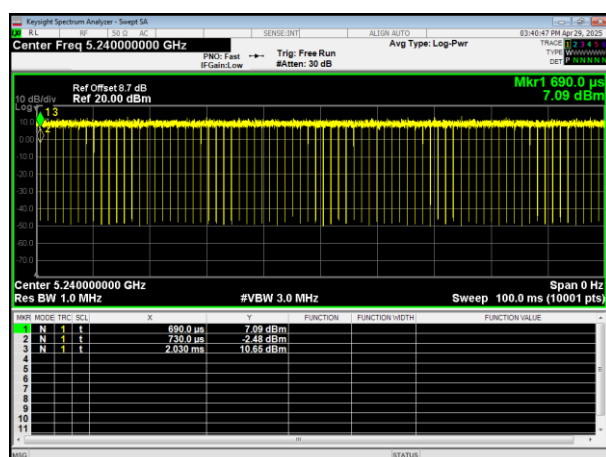
## 5190MHz



## 5180MHz



## 5230MHz

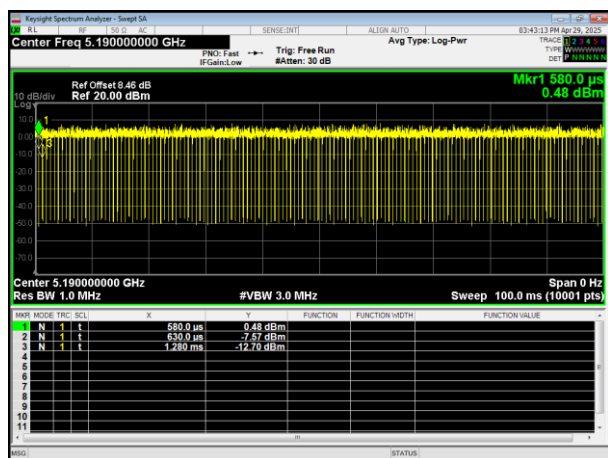


## 5200MHz

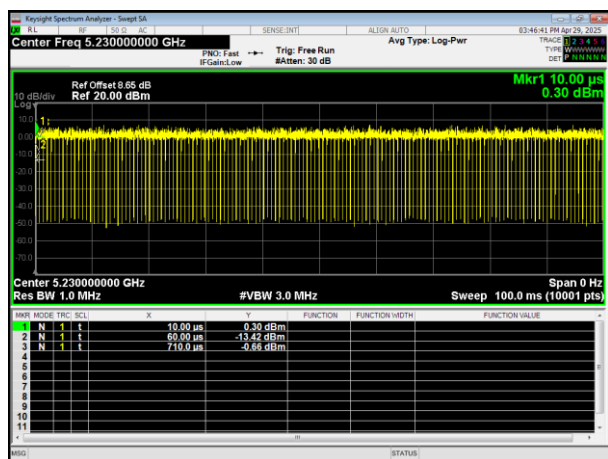
## 5240MHz



## 802.11n HT40



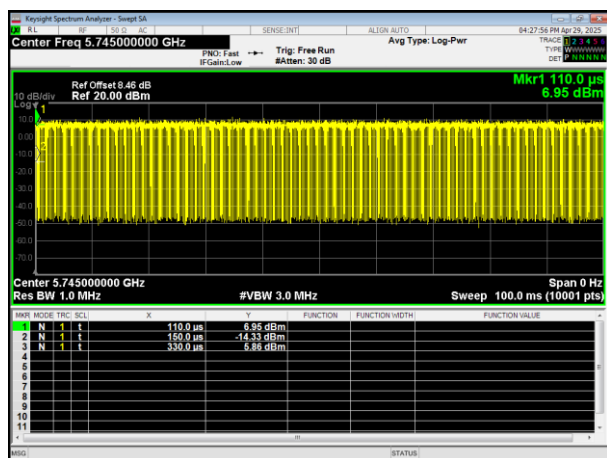
## 5190MHz



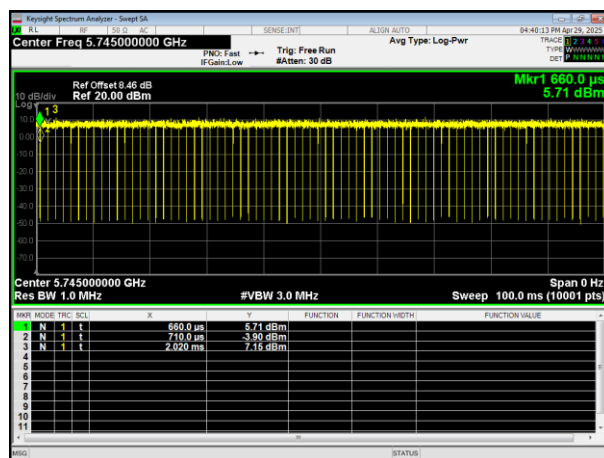
## 5230MHz



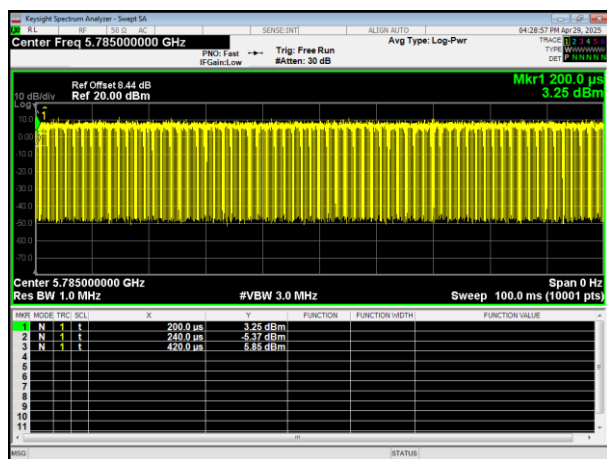
802.11a



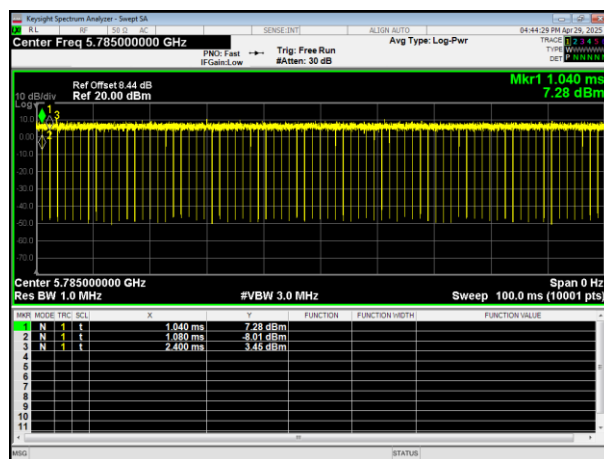
802.11ac HT20



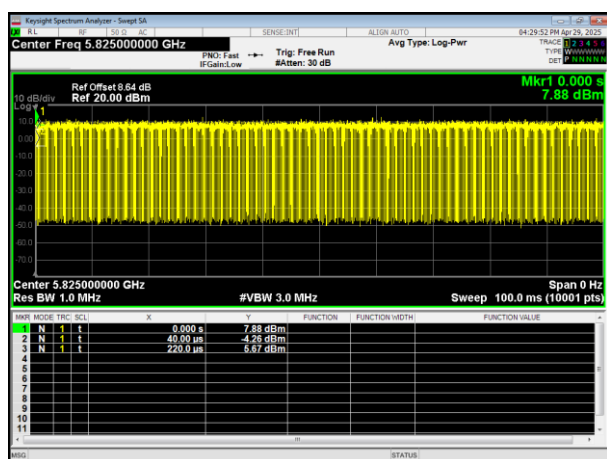
5745MHz



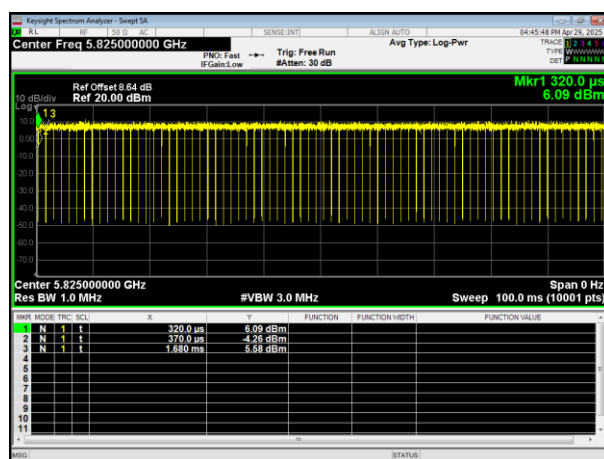
5745MHz



5785MHz



5785MHz



5825MHz

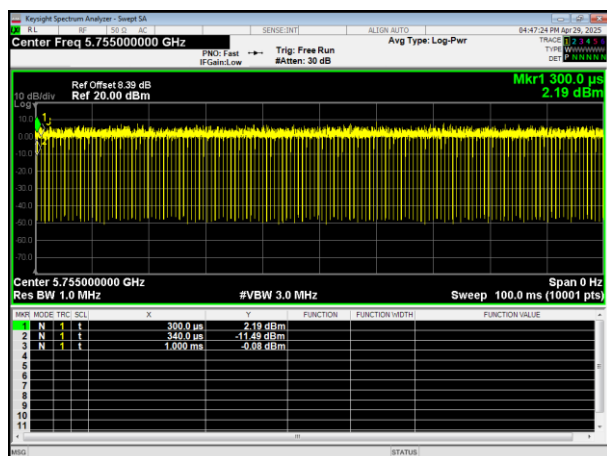


5825MHz

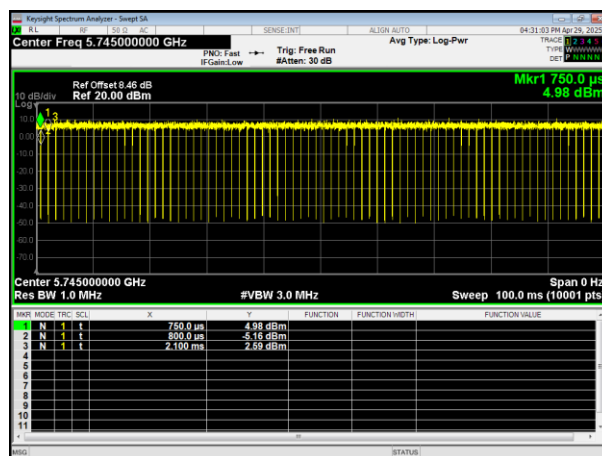




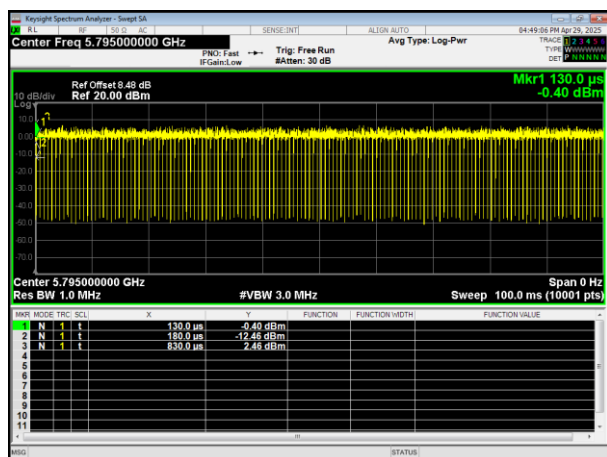
## 802.11ac HT40



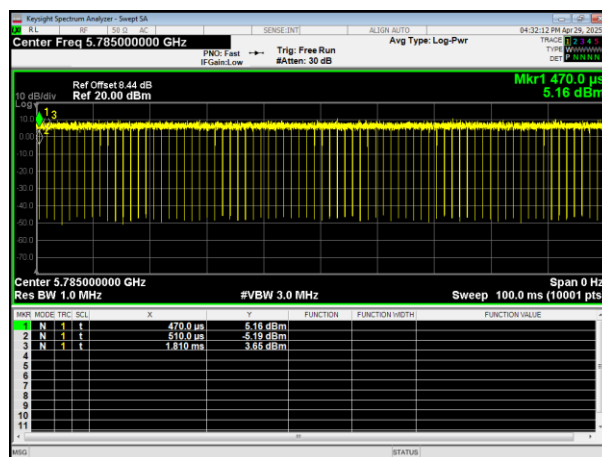
## 802.11n HT20



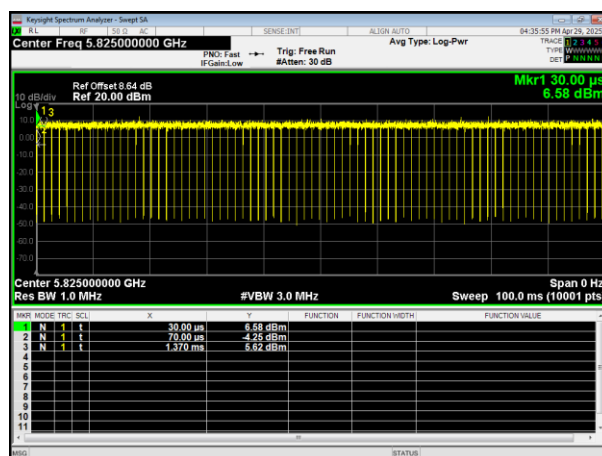
## 5755MHz



## 5745MHz



## 5795MHz

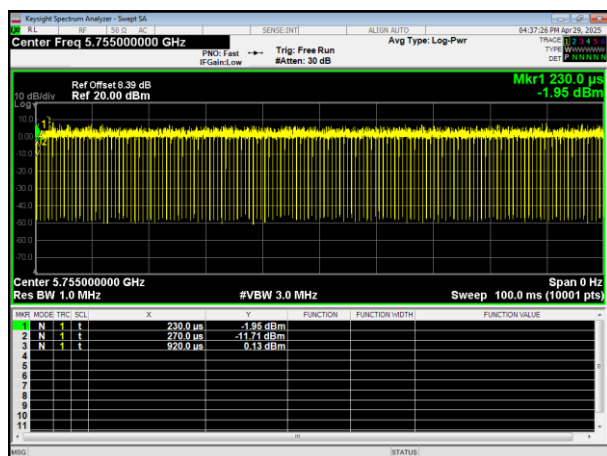


## 5785MHz

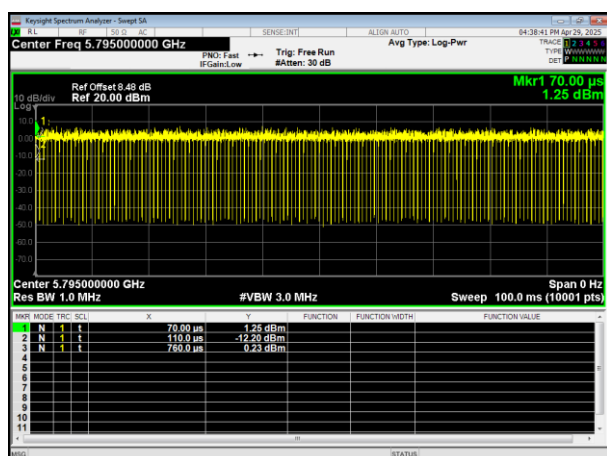
## 5825MHz



## 802.11n HT40



## 5755MHz



## 5795MHz



## 8.. FREQUENCY STABILITY

### 8.1. APPLIED PROCEDURES / LIMIT

Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

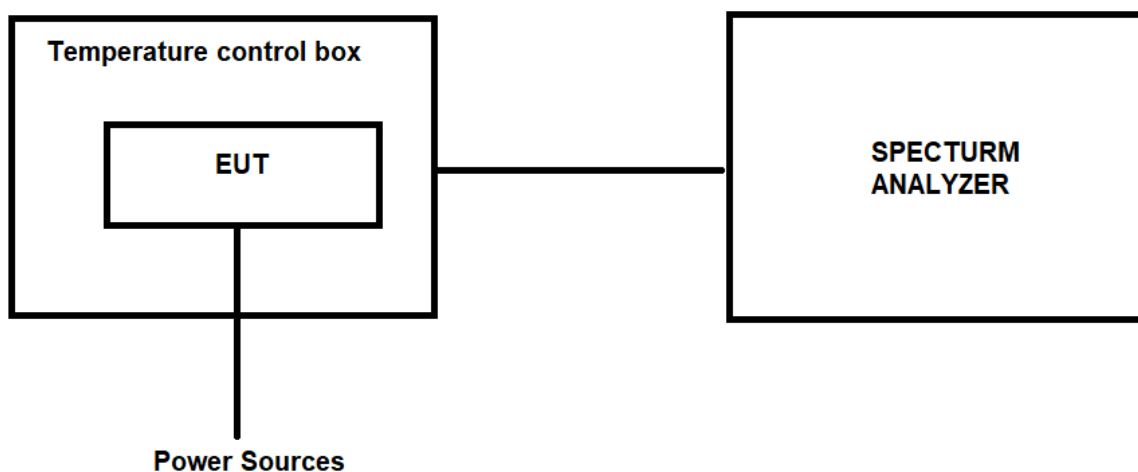
#### 8.1.1. TEST PROCEDURE

1. The EUT was placed inside temperature chamber and powered and powered by nominal DC voltage.
2. Set EUT as normal operation.
3. Turn the EUT on and couple its output to spectrum.
4. Turn the EUT off and set the chamber to the highest temperature specified.
5. Allow sufficient time (approximately 30 min) for the temperature of the chamber to stabilize, turn the EUT and measure the operating frequency.
6. Repeat step with the temperature chamber set to the lowest temperature.

#### 8.1.2. DEVIATION FROM STANDARD

No deviation.

#### 8.1.3. TEST SETUP



#### 8.1.4. EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.3 Unless otherwise a special operating condition is specified in the follows during the testing.



## 8.1.5. TEST RESULTS

| Test Voltage | Test Temp. | Measured Frequency | Spectrum Frequency (MHz) |              |               | Δ Frequency (MHz) |              |               |
|--------------|------------|--------------------|--------------------------|--------------|---------------|-------------------|--------------|---------------|
|              |            | (MHz)              | 802.11a                  | 802.11n HT20 | 802.11ac HT20 | 802.11a           | 802.11n HT20 | 802.11ac HT20 |
| 132V         | -20℃       | 5180               | 5180.0397                | 5180.0461    | 5180.0379     | 7.6641            | 8.8996       | 7.3166        |
|              |            | 5220               | 5220.0431                | 5220.0389    | 5220.0401     | 8.2567            | 7.4521       | 7.6820        |
|              |            | 5240               | 5240.0312                | 5240.0287    | 5240.0279     | 5.9542            | 5.4771       | 5.3244        |
|              |            | 5745               | 5745.0467                | 5745.0467    | 5745.0398     | 8.1288            | 8.1288       | 6.9278        |
|              |            | 5785               | 5785.0391                | 5785.0384    | 5785.0426     | 6.7589            | 6.6379       | 7.3639        |
|              |            | 5825               | 5825.0403                | 5825.0423    | 5825.0436     | 6.9185            | 7.2618       | 7.4850        |
| 108V         |            | 5180               | 5180.0276                | 5180.0309    | 5180.0319     | 5.3282            | 5.9653       | 6.1583        |
|              |            | 5220               | 5220.0434                | 5220.0428    | 5220.0417     | 8.3142            | 8.1992       | 7.9885        |
|              |            | 5240               | 5240.0298                | 5240.0310    | 5240.0292     | 5.6870            | 5.9160       | 5.5725        |
|              |            | 5745               | 5745.0360                | 5745.0296    | 5745.0334     | 6.2663            | 5.1523       | 5.8138        |
|              |            | 5785               | 5785.0421                | 5785.0433    | 5785.0425     | 7.2774            | 7.4849       | 7.3466        |
|              |            | 5825               | 5825.0553                | 5825.0512    | 5825.0483     | 9.4936            | 8.7897       | 8.2918        |
| 120V         | 25℃        | 5180               | 5180.0654                | 5180.0578    | 5180.0628     | 12.6255           | 11.1583      | 12.1236       |
|              |            | 5220               | 5220.0301                | 5220.0304    | 5220.0309     | 5.7663            | 5.8238       | 5.9195        |
|              |            | 5240               | 5240.0443                | 5240.0379    | 5240.0432     | 8.4542            | 7.2328       | 8.2443        |
|              |            | 5745               | 5745.0392                | 5745.0393    | 5745.0396     | 6.8233            | 6.8407       | 6.8930        |
|              |            | 5785               | 5785.0492                | 5785.0506    | 5785.0536     | 8.5048            | 8.7468       | 9.2653        |
|              |            | 5825               | 5825.0360                | 5825.0294    | 5825.0295     | 6.1803            | 5.0472       | 5.0644        |
| 132V         | 50℃        | 5180               | 5180.0386                | 5180.0379    | 5180.0432     | 7.4517            | 7.3166       | 8.3398        |
|              |            | 5220               | 5220.0268                | 5220.0309    | 5220.0337     | 5.1341            | 5.9195       | 6.4559        |
|              |            | 5240               | 5240.0454                | 5240.0417    | 5240.0418     | 8.6641            | 7.9580       | 7.9771        |
|              |            | 5745               | 5745.0692                | 5745.0729    | 5745.0712     | 12.0453           | 12.6893      | 12.3934       |
|              |            | 5785               | 5785.0501                | 5785.0496    | 5785.0513     | 8.6603            | 8.5739       | 8.8678        |
|              |            | 5825               | 5825.0673                | 5825.0696    | 5825.0738     | 11.5536           | 11.9485      | 12.6695       |
| 108V         | 50℃        | 5180               | 5180.0382                | 5180.0387    | 5180.0409     | 7.3745            | 7.4710       | 7.8958        |
|              |            | 5220               | 5220.0327                | 5220.0332    | 5220.0318     | 6.2644            | 6.3602       | 6.0920        |
|              |            | 5240               | 5240.0386                | 5240.0418    | 5240.0389     | 7.3664            | 7.9771       | 7.4237        |
|              |            | 5745               | 5745.0492                | 5745.0495    | 5745.0533     | 8.5640            | 8.6162       | 9.2776        |
|              |            | 5785               | 5785.0369                | 5785.0327    | 5785.0318     | 6.3786            | 5.6525       | 5.4970        |
|              |            | 5825               | 5825.0832                | 5825.0807    | 5825.0834     | 14.2833           | 13.8541      | 14.3176       |



| Test Voltage | Test Temp. | Measured Frequency (MHz) | Spectrum Frequency (MHz) |               | $\Delta$ Frequency (MHz) |               |
|--------------|------------|--------------------------|--------------------------|---------------|--------------------------|---------------|
|              |            |                          | 802.11n HT40             | 802.11ac HT40 | 802.11n HT40             | 802.11ac HT40 |
| 132V         | -20℃       | 5190                     | 5190.0279                | 5190.0342     | 5.3757                   | 6.5896        |
|              |            | 5230                     | 5230.0428                | 5230.0410     | 8.1836                   | 7.8394        |
|              |            | 5755                     | 5755.0573                | 5755.0587     | 9.9566                   | 10.1998       |
|              |            | 5795                     | 5795.0688                | 5795.0685     | 11.8723                  | 11.8205       |
| 108V         | -20℃       | 5190                     | 5190.0269                | 5190.0327     | 5.1830                   | 6.3006        |
|              |            | 5230                     | 5230.0421                | 5230.0380     | 8.0497                   | 7.2658        |
|              |            | 5755                     | 5755.0303                | 5755.0739     | 5.2650                   | 12.8410       |
|              |            | 5795                     | 5795.0532                | 5795.0548     | 9.1803                   | 9.4564        |
| 120V         | 25℃        | 5190                     | 5190.0279                | 5190.0269     | 5.3757                   | 5.1830        |
|              |            | 5230                     | 5230.0747                | 5230.0714     | 14.2830                  | 13.6520       |
|              |            | 5755                     | 5755.0276                | 5755.0340     | 4.7958                   | 5.9079        |
|              |            | 5795                     | 5795.0659                | 5795.0596     | 11.3719                  | 10.2847       |
| 132V         | 50℃        | 5190                     | 5190.0686                | 5190.0705     | 13.2177                  | 13.5838       |
|              |            | 5230                     | 5230.0573                | 5230.0580     | 10.9560                  | 11.0899       |
|              |            | 5755                     | 5755.0561                | 5755.0484     | 9.7480                   | 8.4101        |
|              |            | 5795                     | 5795.0384                | 5795.0452     | 6.6264                   | 7.7998        |
| 108V         | 50℃        | 5190                     | 5190.0645                | 5190.0579     | 12.4277                  | 11.1561       |
|              |            | 5230                     | 5230.0448                | 5230.0436     | 8.5660                   | 8.3365        |
|              |            | 5755                     | 5755.0439                | 5755.0443     | 7.6281                   | 7.6977        |
|              |            | 5795                     | 5795.0521                | 5795.0512     | 8.9905                   | 8.8352        |



## **9.. TRANSMISSION IN THE ABSENCE OF DATA**

### **9.1. STANDARD REQUIREMENT**

According to §15.407(c)

The device shall automatically discontinue transmission in case of either absence of information to transmit or operational failure. These provisions are not intended to preclude the transmission of control or signaling information or the use of repetitive codes used by certain digital technologies to complete frame or burst intervals. Applicants shall include in their application for equipment authorization a description of how this requirement is met.

### **9.2. TEST RESULT**

No non-compliance noted:  
Refer to the theory of operation.

## **10.. ANTENNA REQUIREMENT**

### **10.1. STANDARD REQUIREMENT**

15.203 requirement: For intentional device, according to 15.203: an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

### **10.2. EUT ANTENNA**

The EUT antenna is Internal Antenna, It comply with the standard requirement.

## **11.. TEST SEUUP PHOTO**

Reference to the appendix I for details.

## **12.. EUT PHOTO**

Reference to the appendix II for details.

**\*\*\*\*\* END OF REPORT \*\*\*\*\***