

## 802.11be-EHT20 26dB Bandwidth &amp; 99% Bandwidth

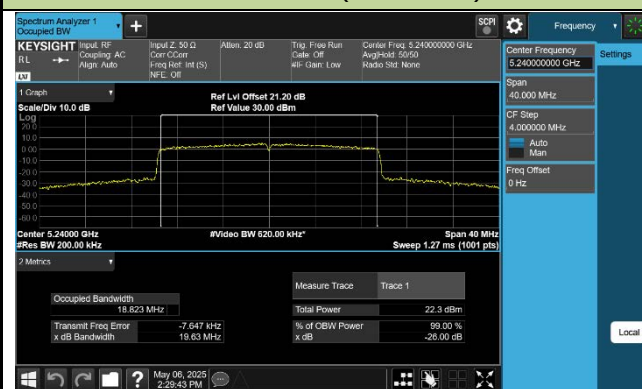
## Channel 36 (5180MHz)



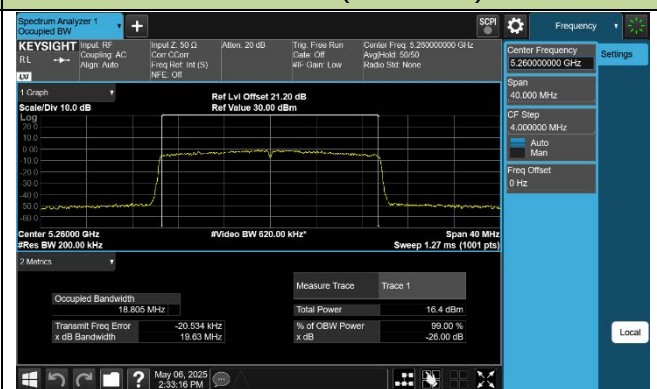
## Channel 40 (5200MHz)



## Channel 48 (5240MHz)



## Channel 52 (5260MHz)



## Channel 60 (5300MHz)



## Channel 64 (5320MHz)

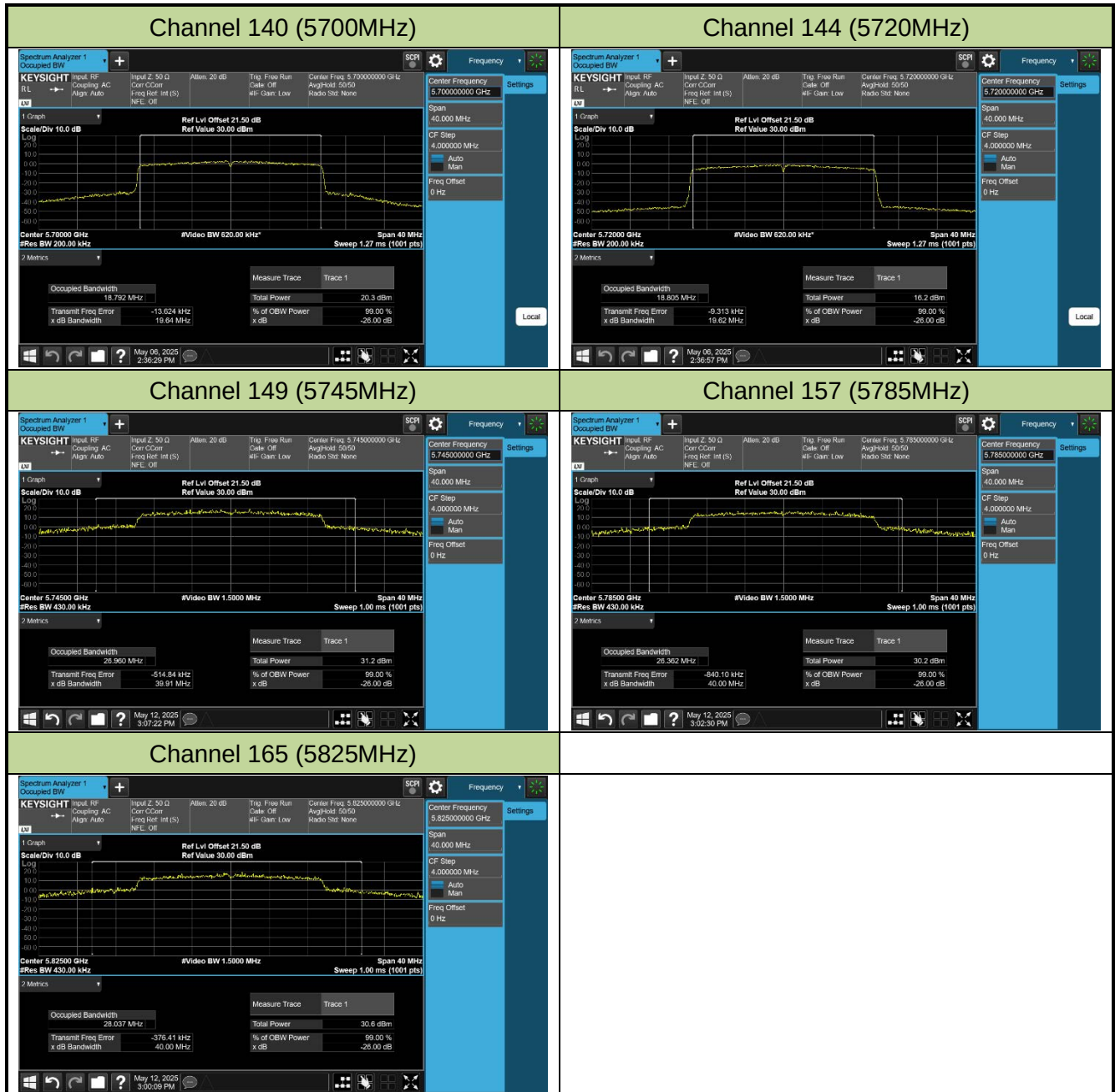


## Channel 100 (5500MHz)



## Channel 116 (5580MHz)





## 802.11be-EHT40 26dB Bandwidth &amp; 99% Bandwidth

## Channel 38 (5190MHz)



## Channel 46 (5230MHz)



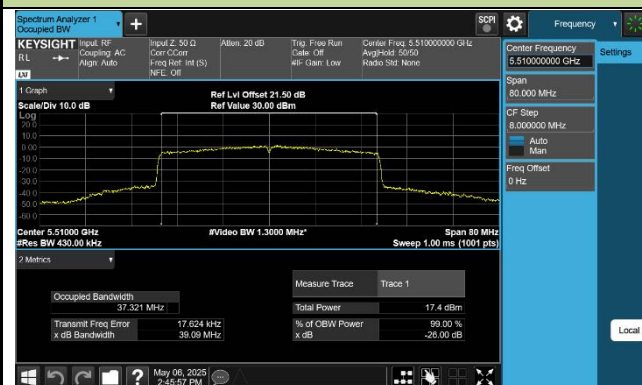
## Channel 54 (5270MHz)



## Channel 62 (5310MHz)



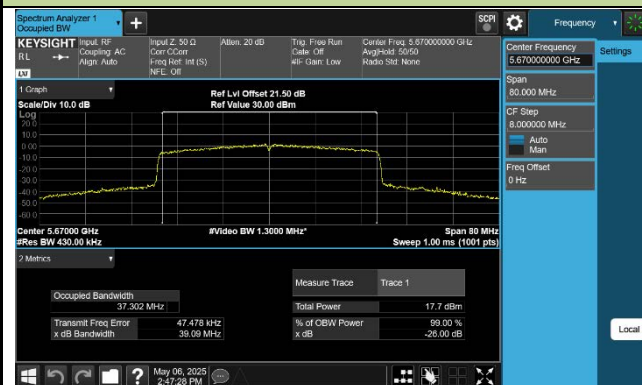
## Channel 102 (5510MHz)



## Channel 110 (5550MHz)

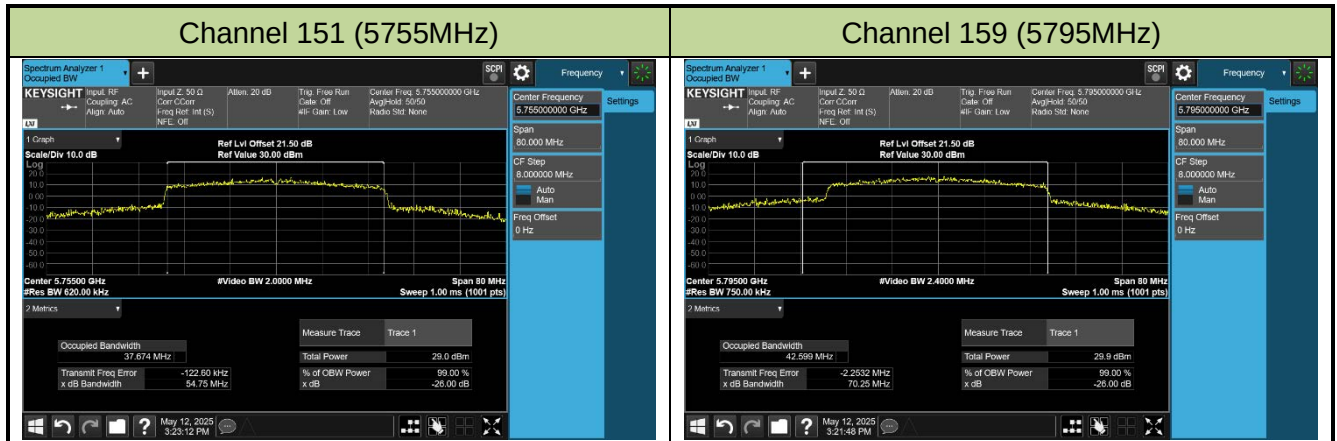


## Channel 134 (5670MHz)



## Channel 142 (5710MHz)



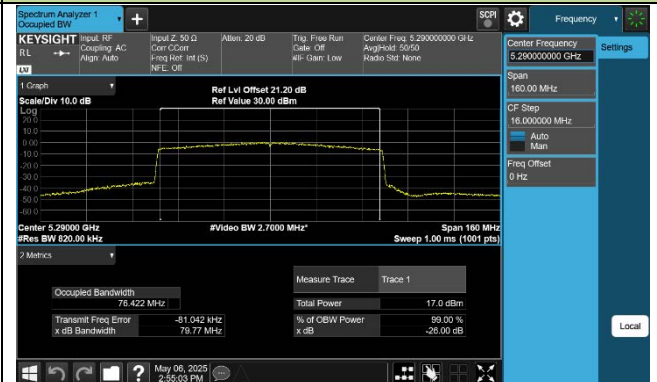


## 802.11be-EHT80 26dB Bandwidth &amp; 99% Bandwidth

## Channel 42 (5210MHz)



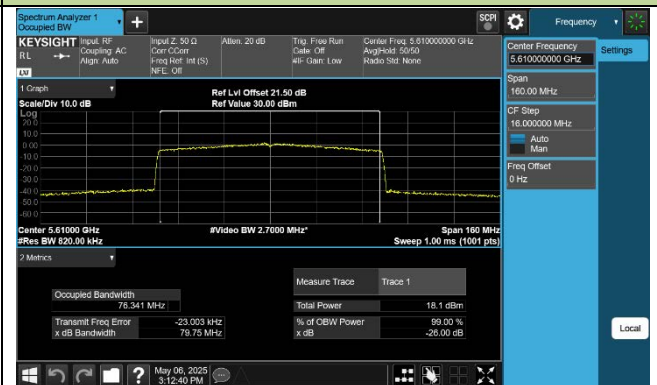
## Channel 58 (5290MHz)



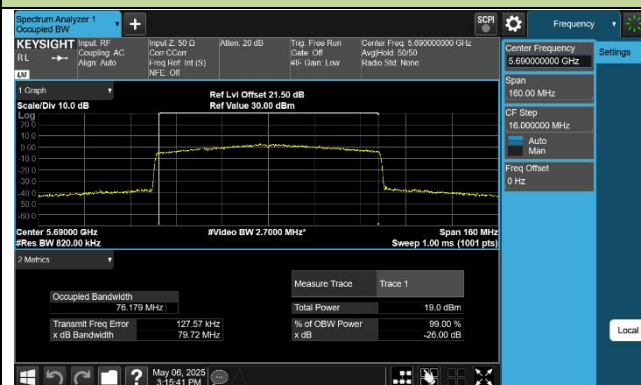
## Channel 106 (5530MHz)



## Channel 122 (5610MHz)



## Channel 138 (5690MHz)



## Channel 155 (5775MHz)



## 802.11be-EHT160 26dB Bandwidth &amp; 99% Bandwidth

## Channel 50 (5250MHz)



## Channel 114 (5570MHz)



### 7.3. 6dB Bandwidth Measurement

#### 7.3.1. Test Limit

The minimum 6dB bandwidth shall be at least 500 kHz.

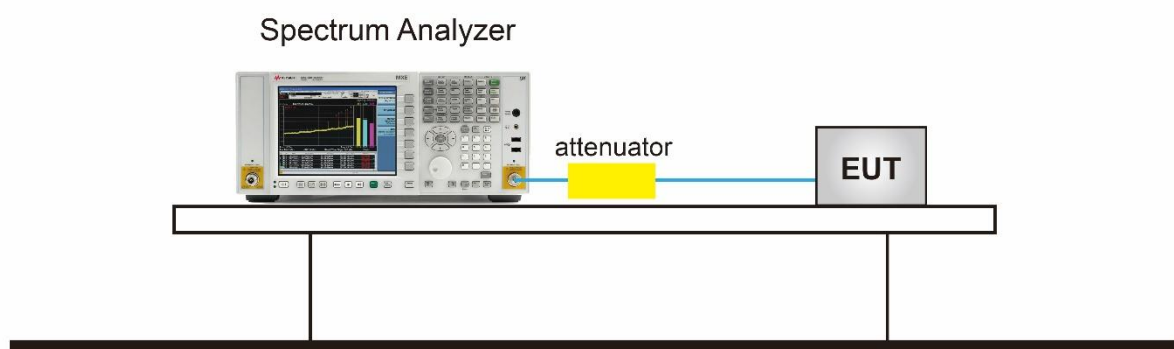
#### 7.3.2. Test Procedure used

KDB 789033 D02v02r01- Section C.2

#### 7.3.3. Test Setting

1. Set center frequency to the nominal EUT channel center frequency.
2. RBW = 100 kHz.
3. VBW  $3 \times$  RBW.
4. Detector = Peak.
5. Trace mode = max hold.
6. Sweep = auto couple.
7. Allow the trace to stabilize.
8. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

#### 7.3.4. Test Setup





### 7.3.5.TestResult

|           |                                           |               |                   |
|-----------|-------------------------------------------|---------------|-------------------|
| Product   | BE17000 Whole Home Mesh Wi-Fi<br>7 System | Test Engineer | Fran              |
| Test Site | SR6                                       | Test Date     | 2025/5/6~2025/5/7 |

| Test Mode      | Data Rate/<br>MCS | Channel<br>No. | Frequency<br>(MHz) | 6dB Bandwidth<br>(MHz) | Limit<br>(MHz) | Result |
|----------------|-------------------|----------------|--------------------|------------------------|----------------|--------|
| Ant 1          |                   |                |                    |                        |                |        |
| 802.11a        | 6Mbps             | 149            | 5745               | 16.40                  | $\geq 0.5$     | Pass   |
| 802.11a        | 6Mbps             | 157            | 5785               | 16.44                  | $\geq 0.5$     | Pass   |
| 802.11a        | 6Mbps             | 165            | 5825               | 16.43                  | $\geq 0.5$     | Pass   |
| 802.11ac-VHT20 | MCS0              | 149            | 5745               | 17.65                  | $\geq 0.5$     | Pass   |
| 802.11ac-VHT20 | MCS0              | 157            | 5785               | 17.64                  | $\geq 0.5$     | Pass   |
| 802.11ac-VHT20 | MCS0              | 165            | 5825               | 17.70                  | $\geq 0.5$     | Pass   |
| 802.11ac-VHT40 | MCS0              | 151            | 5755               | 34.36                  | $\geq 0.5$     | Pass   |
| 802.11ac-VHT40 | MCS0              | 159            | 5795               | 33.87                  | $\geq 0.5$     | Pass   |
| 802.11ac-VHT80 | MCS0              | 155            | 5775               | 64.19                  | $\geq 0.5$     | Pass   |
| 802.11ax-HE20  | MCS0              | 149            | 5745               | 19.02                  | $\geq 0.5$     | Pass   |
| 802.11ax-HE20  | MCS0              | 157            | 5785               | 19.05                  | $\geq 0.5$     | Pass   |
| 802.11ax-HE20  | MCS0              | 165            | 5825               | 19.10                  | $\geq 0.5$     | Pass   |
| 802.11ax-HE40  | MCS0              | 151            | 5755               | 34.06                  | $\geq 0.5$     | Pass   |
| 802.11ax-HE40  | MCS0              | 159            | 5795               | 36.44                  | $\geq 0.5$     | Pass   |
| 802.11ax-HE80  | MCS0              | 155            | 5775               | 68.23                  | $\geq 0.5$     | Pass   |
| 802.11be-EHT20 | MCS0              | 149            | 5745               | 18.99                  | $\geq 0.5$     | Pass   |
| 802.11be-EHT20 | MCS0              | 157            | 5785               | 19.06                  | $\geq 0.5$     | Pass   |
| 802.11be-EHT20 | MCS0              | 165            | 5825               | 19.11                  | $\geq 0.5$     | Pass   |
| 802.11be-EHT40 | MCS0              | 151            | 5755               | 34.03                  | $\geq 0.5$     | Pass   |
| 802.11be-EHT40 | MCS0              | 159            | 5795               | 35.58                  | $\geq 0.5$     | Pass   |
| 802.11be-EHT80 | MCS0              | 155            | 5775               | 69.19                  | $\geq 0.5$     | Pass   |

## 802.11a 6dB Bandwidth

## Channel 149 (5745MHz)



## Channel 157 (5785MHz)



## Channel 165 (5825MHz)



## 802.11ac-VHT20 6dB Bandwidth

## Channel 149 (5745MHz)



## Channel 157 (5785MHz)



## Channel 165 (5825MHz)





## 802.11ac-VHT40 6dB Bandwidth

## Channel 151 (5755MHz)



## Channel 159 (5795MHz)



## 802.11ac-VHT80 6dB Bandwidth

## Channel 155 (5775MHz)



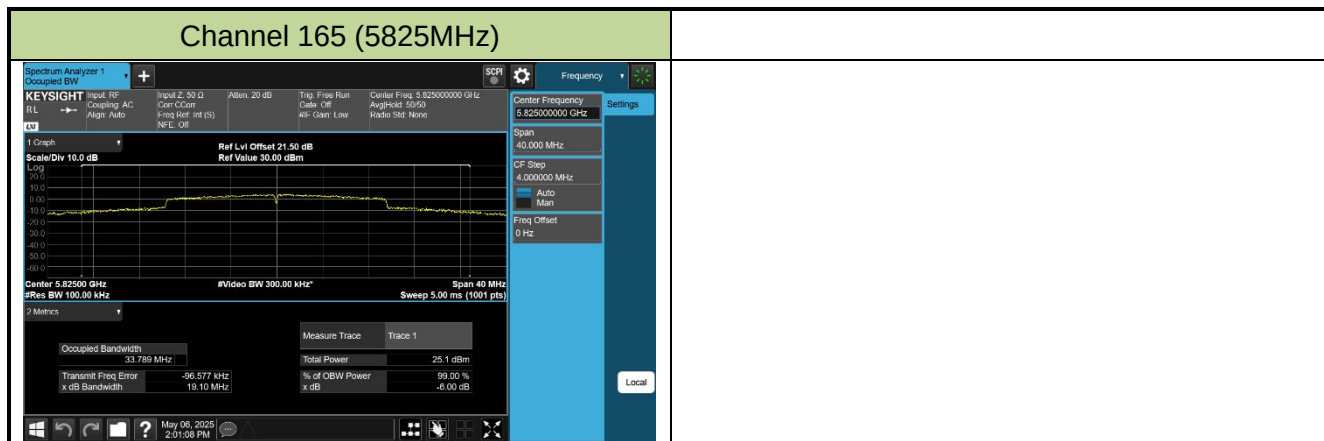
## 802.11ax-HE20 6dB Bandwidth

## Channel 149 (5745MHz)



## Channel 157 (5785MHz)





## 802.11ax-HE40 6dB Bandwidth

## Channel 151 (5755MHz)



## Channel 159 (5795MHz)



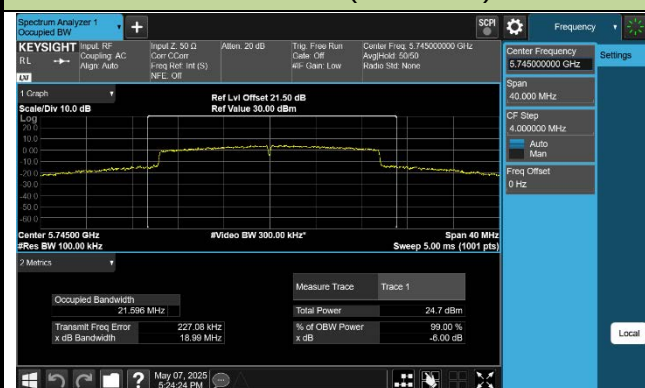
## 802.11ax-HE80 6dB Bandwidth

## Channel 155 (5775MHz)



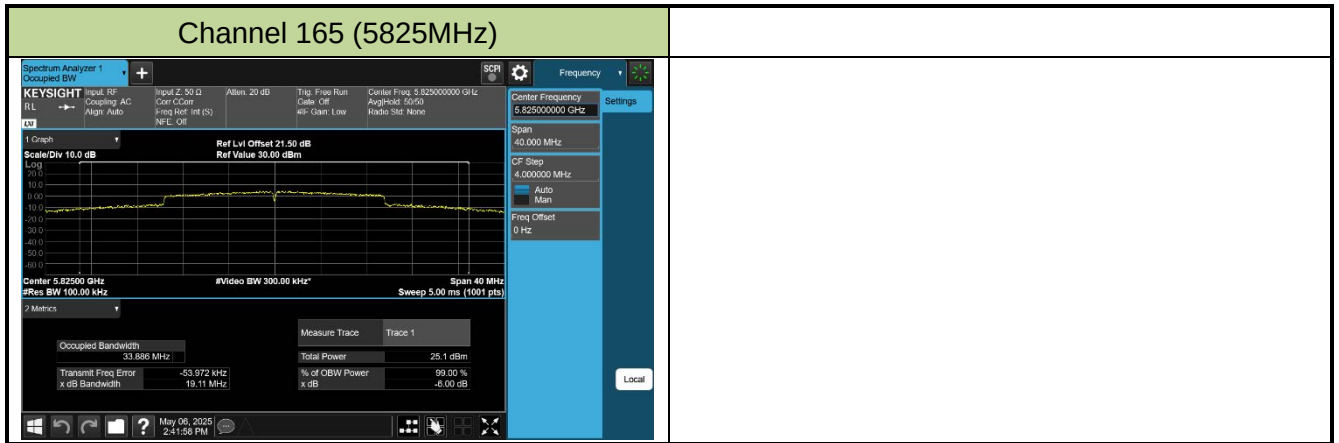
## 802.11be-EHT20 6dB Bandwidth

## Channel 149 (5745MHz)



## Channel 157 (5785MHz)





## 802.11be-EHT 40 6dB Bandwidth

## Channel 151 (5755MHz)



## Channel 159 (5795MHz)



## 802.11be-EHT 80 6dB Bandwidth

## Channel 155 (5775MHz)



## 7.4. Output Power Measurement

### 7.4.1. Test Limit

For the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi.

For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or  $11 \text{ dBm} + 10 \log B$ , where B is the 26 dB emission bandwidth in megahertz.

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W (30dBm).

If transmitting antennas of directional gain greater than 6dBi are used, the maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

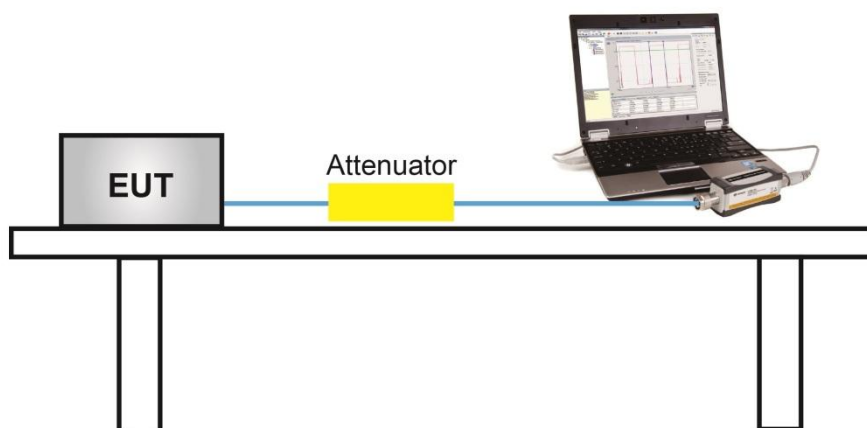
### 7.4.2. Test Procedure Used

KDB 789033D02v02r01- Section E)3)b) Method PM-G

### 7.4.3. Test Setting

Average power measurements were performed only when the EUT was transmitting at its maximum power control level using a broadband power meter with a pulse sensor. The power meter implemented triggering and gating capabilities which were set up such that power measurements were recorded only during the ON time of the transmitter.

### 7.4.4. Test Setup





### 7.4.5. Test Result

|               |                                        |                   |                    |
|---------------|----------------------------------------|-------------------|--------------------|
| Product       | BE17000 Whole Home Mesh Wi-Fi 7 System | Temperature       | 25°C               |
| Test Engineer | Fran                                   | Relative Humidity | 56%                |
| Test Site     | SR6                                    | Test Date         | 2025/4/21~2025/5/6 |
| Test Mode     | CDD Mode (Ant 0 +1 + 2)                |                   |                    |

| Test Mode  | Data Rate/<br>MCS | Channel No. | Freq. (MHz) | Ant 0 Average Power (dBm) | Ant 1 Average Power (dBm) | Ant 2 Average Power (dBm) | Total Average Power (dBm) | Average Power Limit (dBm) | Result |
|------------|-------------------|-------------|-------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|--------|
| 11a        | 6Mbps             | 36          | 5180        | 18.78                     | 18.45                     | 18.21                     | 23.26                     | ≤ 30.00                   | Pass   |
| 11a        | 6Mbps             | 40          | 5200        | 20.37                     | 20.87                     | 21.35                     | 25.65                     | ≤ 30.00                   | Pass   |
| 11a        | 6Mbps             | 48          | 5240        | 20.23                     | 21.27                     | 20.96                     | 25.61                     | ≤ 30.00                   | Pass   |
| 11a        | 6Mbps             | 52          | 5260        | 14.07                     | 15.18                     | 15.28                     | 19.65                     | ≤ 23.49                   | Pass   |
| 11a        | 6Mbps             | 60          | 5300        | 14.43                     | 15.23                     | 14.91                     | 19.64                     | ≤ 23.49                   | Pass   |
| 11a        | 6Mbps             | 64          | 5320        | 15.24                     | 15.61                     | 15.12                     | 20.10                     | ≤ 23.49                   | Pass   |
| 11a        | 6Mbps             | 100         | 5500        | 15.18                     | 15.24                     | 15.70                     | 20.15                     | ≤ 23.49                   | Pass   |
| 11a        | 6Mbps             | 116         | 5580        | 14.41                     | 14.92                     | 15.44                     | 19.71                     | ≤ 23.49                   | Pass   |
| 11a        | 6Mbps             | 140         | 5700        | 14.58                     | 16.00                     | 15.62                     | 20.21                     | ≤ 23.49                   | Pass   |
| 11a        | 6Mbps             | 144         | 5720        | 14.40                     | 15.63                     | 15.52                     | 19.99                     | ≤ 22.43                   | Pass   |
| 11a        | 6Mbps             | 149         | 5745        | 24.47                     | 25.19                     | 25.06                     | 29.69                     | ≤ 29.94                   | Pass   |
| 11a        | 6Mbps             | 157         | 5785        | 23.64                     | 23.65                     | 24.09                     | 28.57                     | ≤ 29.94                   | Pass   |
| 11a        | 6Mbps             | 165         | 5825        | 23.64                     | 25.18                     | 23.74                     | 29.02                     | ≤ 29.94                   | Pass   |
| 11ac-VHT20 | MCS0              | 36          | 5180        | 19.82                     | 19.25                     | 19.54                     | 24.31                     | ≤ 30.00                   | Pass   |
| 11ac-VHT20 | MCS0              | 40          | 5200        | 21.18                     | 20.83                     | 21.26                     | 25.87                     | ≤ 30.00                   | Pass   |
| 11ac-VHT20 | MCS0              | 48          | 5240        | 19.18                     | 19.42                     | 19.23                     | 24.05                     | ≤ 30.00                   | Pass   |
| 11ac-VHT20 | MCS0              | 52          | 5260        | 15.55                     | 15.77                     | 15.66                     | 20.43                     | ≤ 23.71                   | Pass   |
| 11ac-VHT20 | MCS0              | 60          | 5300        | 15.96                     | 15.94                     | 15.08                     | 20.45                     | ≤ 23.71                   | Pass   |
| 11ac-VHT20 | MCS0              | 64          | 5320        | 16.76                     | 16.41                     | 15.40                     | 21.00                     | ≤ 23.71                   | Pass   |
| 11ac-VHT20 | MCS0              | 100         | 5500        | 15.65                     | 15.63                     | 15.27                     | 20.29                     | ≤ 23.70                   | Pass   |
| 11ac-VHT20 | MCS0              | 116         | 5580        | 15.31                     | 15.76                     | 16.35                     | 20.60                     | ≤ 23.70                   | Pass   |
| 11ac-VHT20 | MCS0              | 140         | 5700        | 14.52                     | 15.59                     | 15.65                     | 20.05                     | ≤ 23.70                   | Pass   |
| 11ac-VHT20 | MCS0              | 144         | 5720        | 14.82                     | 15.68                     | 15.90                     | 20.26                     | ≤ 22.55                   | Pass   |
| 11ac-VHT20 | MCS0              | 149         | 5745        | 24.39                     | 25.04                     | 24.98                     | 29.58                     | ≤ 29.94                   | Pass   |
| 11ac-VHT20 | MCS0              | 157         | 5785        | 23.54                     | 23.56                     | 23.98                     | 28.47                     | ≤ 29.94                   | Pass   |
| 11ac-VHT20 | MCS0              | 165         | 5825        | 23.55                     | 25.11                     | 23.59                     | 28.92                     | ≤ 29.94                   | Pass   |

| Test Mode   | Data Rate/<br>MCS | Channel No. | Freq. (MHz) | Ant 0 Average Power (dBm) | Ant 1 Average Power (dBm) | Ant 2 Average Power (dBm) | Total Average Power (dBm) | Average Power Limit (dBm) | Result |
|-------------|-------------------|-------------|-------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|--------|
| 11ac-VHT40  | MCS0              | 38          | 5190        | 16.04                     | 15.40                     | 15.97                     | 20.58                     | ≤ 30.00                   | Pass   |
| 11ac-VHT40  | MCS0              | 46          | 5230        | 22.10                     | 23.78                     | 23.27                     | 27.88                     | ≤ 30.00                   | Pass   |
| 11ac-VHT40  | MCS0              | 54          | 5270        | 18.28                     | 18.34                     | 18.15                     | 23.03                     | ≤ 23.98                   | Pass   |
| 11ac-VHT40  | MCS0              | 62          | 5310        | 17.83                     | 17.35                     | 16.69                     | 22.09                     | ≤ 23.98                   | Pass   |
| 11ac-VHT40  | MCS0              | 102         | 5510        | 18.20                     | 18.24                     | 18.01                     | 22.92                     | ≤ 23.98                   | Pass   |
| 11ac-VHT40  | MCS0              | 110         | 5550        | 18.33                     | 18.27                     | 18.00                     | 22.97                     | ≤ 23.98                   | Pass   |
| 11ac-VHT40  | MCS0              | 134         | 5670        | 16.99                     | 17.44                     | 17.55                     | 22.10                     | ≤ 23.98                   | Pass   |
| 11ac-VHT40  | MCS0              | 142         | 5710        | 16.84                     | 17.86                     | 18.00                     | 22.37                     | ≤ 23.98                   | Pass   |
| 11ac-VHT40  | MCS0              | 151         | 5755        | 21.64                     | 22.51                     | 22.17                     | 26.89                     | ≤ 29.94                   | Pass   |
| 11ac-VHT40  | MCS0              | 159         | 5795        | 21.86                     | 23.92                     | 23.21                     | 27.85                     | ≤ 29.94                   | Pass   |
| 11ac-VHT80  | MCS0              | 42          | 5210        | 16.12                     | 16.06                     | 16.46                     | 20.99                     | ≤ 30.00                   | Pass   |
| 11ac-VHT80  | MCS0              | 58          | 5290        | 17.08                     | 17.24                     | 16.77                     | 21.81                     | ≤ 23.98                   | Pass   |
| 11ac-VHT80  | MCS0              | 106         | 5530        | 18.43                     | 19.62                     | 19.12                     | 23.86                     | ≤ 23.98                   | Pass   |
| 11ac-VHT80  | MCS0              | 122         | 5610        | 17.45                     | 19.38                     | 19.63                     | 23.69                     | ≤ 23.98                   | Pass   |
| 11ac-VHT80  | MCS0              | 138         | 5690        | 17.84                     | 20.07                     | 19.22                     | 23.91                     | ≤ 23.98                   | Pass   |
| 11ac-VHT80  | MCS0              | 155         | 5775        | 18.58                     | 19.29                     | 19.34                     | 23.85                     | ≤ 29.94                   | Pass   |
| 11ac-VHT160 | MCS0              | 50          | 5250        | 16.75                     | 16.54                     | 16.30                     | 21.31                     | ≤ 23.98                   | Pass   |
| 11ac-VHT160 | MCS0              | 114         | 5570        | 16.20                     | 15.85                     | 15.67                     | 20.68                     | ≤ 23.98                   | Pass   |
| 11ax-HE20   | MCS0              | 36          | 5180        | 20.14                     | 19.44                     | 19.84                     | 24.59                     | ≤ 30.00                   | Pass   |
| 11ax-HE20   | MCS0              | 40          | 5200        | 21.80                     | 21.89                     | 22.01                     | 26.67                     | ≤ 30.00                   | Pass   |
| 11ax-HE20   | MCS0              | 48          | 5240        | 21.27                     | 21.60                     | 21.38                     | 26.19                     | ≤ 30.00                   | Pass   |
| 11ax-HE20   | MCS0              | 52          | 5260        | 15.69                     | 16.02                     | 15.88                     | 20.64                     | ≤ 23.98                   | Pass   |
| 11ax-HE20   | MCS0              | 60          | 5300        | 16.08                     | 16.03                     | 15.38                     | 20.61                     | ≤ 23.98                   | Pass   |
| 11ax-HE20   | MCS0              | 64          | 5320        | 16.89                     | 16.53                     | 15.73                     | 21.18                     | ≤ 23.98                   | Pass   |
| 11ax-HE20   | MCS0              | 100         | 5500        | 15.65                     | 15.63                     | 15.42                     | 20.34                     | ≤ 23.98                   | Pass   |
| 11ax-HE20   | MCS0              | 116         | 5580        | 15.10                     | 15.32                     | 15.91                     | 20.23                     | ≤ 23.98                   | Pass   |
| 11ax-HE20   | MCS0              | 140         | 5700        | 15.15                     | 16.51                     | 16.36                     | 20.82                     | ≤ 23.98                   | Pass   |
| 11ax-HE20   | MCS0              | 144         | 5720        | 15.05                     | 16.20                     | 16.15                     | 20.60                     | ≤ 22.71                   | Pass   |
| 11ax-HE20   | MCS0              | 149         | 5745        | 24.38                     | 25.28                     | 25.14                     | 29.72                     | ≤ 29.94                   | Pass   |
| 11ax-HE20   | MCS0              | 157         | 5785        | 23.62                     | 23.70                     | 24.15                     | 28.60                     | ≤ 29.94                   | Pass   |
| 11ax-HE20   | MCS0              | 165         | 5825        | 23.65                     | 25.07                     | 23.64                     | 28.94                     | ≤ 29.94                   | Pass   |

| Test Mode  | Data Rate/MCS | Channel No. | Freq. (MHz) | Ant 0 Average Power (dBm) | Ant 1 Average Power (dBm) | Ant 2 Average Power (dBm) | Total Average Power (dBm) | Average Power Limit (dBm) | Result |
|------------|---------------|-------------|-------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|--------|
| 11ax-HE40  | MCS0          | 38          | 5190        | 16.90                     | 16.31                     | 16.78                     | 21.44                     | ≤ 30.00                   | Pass   |
| 11ax-HE40  | MCS0          | 46          | 5230        | 22.32                     | 24.08                     | 23.53                     | 28.14                     | ≤ 30.00                   | Pass   |
| 11ax-HE40  | MCS0          | 54          | 5270        | 18.00                     | 18.30                     | 17.84                     | 22.82                     | ≤ 23.98                   | Pass   |
| 11ax-HE40  | MCS0          | 62          | 5310        | 18.14                     | 17.79                     | 16.89                     | 22.41                     | ≤ 23.98                   | Pass   |
| 11ax-HE40  | MCS0          | 102         | 5510        | 17.85                     | 17.93                     | 17.59                     | 22.56                     | ≤ 23.98                   | Pass   |
| 11ax-HE40  | MCS0          | 110         | 5550        | 18.21                     | 17.83                     | 17.58                     | 22.65                     | ≤ 23.98                   | Pass   |
| 11ax-HE40  | MCS0          | 134         | 5670        | 17.86                     | 18.43                     | 18.17                     | 22.93                     | ≤ 23.98                   | Pass   |
| 11ax-HE40  | MCS0          | 142         | 5710        | 17.17                     | 18.48                     | 18.25                     | 22.77                     | ≤ 23.98                   | Pass   |
| 11ax-HE40  | MCS0          | 151         | 5755        | 21.85                     | 22.76                     | 22.30                     | 27.09                     | ≤ 29.94                   | Pass   |
| 11ax-HE40  | MCS0          | 159         | 5795        | 22.04                     | 24.13                     | 23.52                     | 28.09                     | ≤ 29.94                   | Pass   |
| 11ax-HE80  | MCS0          | 42          | 5210        | 15.58                     | 15.18                     | 15.67                     | 20.25                     | ≤ 30.00                   | Pass   |
| 11ax-HE80  | MCS0          | 58          | 5290        | 17.52                     | 17.42                     | 17.00                     | 22.09                     | ≤ 23.98                   | Pass   |
| 11ax-HE80  | MCS0          | 106         | 5530        | 18.46                     | 19.53                     | 19.05                     | 23.81                     | ≤ 23.98                   | Pass   |
| 11ax-HE80  | MCS0          | 122         | 5610        | 17.69                     | 19.42                     | 19.85                     | 23.85                     | ≤ 23.98                   | Pass   |
| 11ax-HE80  | MCS0          | 138         | 5690        | 17.57                     | 19.72                     | 19.14                     | 23.67                     | ≤ 23.98                   | Pass   |
| 11ax-HE80  | MCS0          | 155         | 5775        | 19.08                     | 19.53                     | 19.54                     | 24.16                     | ≤ 29.94                   | Pass   |
| 11ax-HE160 | MCS0          | 50          | 5250        | 16.18                     | 15.76                     | 15.81                     | 20.69                     | ≤ 23.98                   | Pass   |
| 11ax-HE160 | MCS0          | 114         | 5570        | 16.18                     | 15.22                     | 15.20                     | 20.33                     | ≤ 23.98                   | Pass   |
| 11be-EHT20 | MCS0          | 36          | 5180        | 19.17                     | 18.32                     | 18.72                     | 23.52                     | ≤ 30.00                   | Pass   |
| 11be-EHT20 | MCS0          | 40          | 5200        | 21.99                     | 21.61                     | 22.05                     | 26.66                     | ≤ 30.00                   | Pass   |
| 11be-EHT20 | MCS0          | 48          | 5240        | 21.27                     | 21.70                     | 21.33                     | 26.21                     | ≤ 30.00                   | Pass   |
| 11be-EHT20 | MCS0          | 52          | 5260        | 15.69                     | 16.08                     | 15.79                     | 20.63                     | ≤ 23.93                   | Pass   |
| 11be-EHT20 | MCS0          | 60          | 5300        | 16.18                     | 16.01                     | 15.29                     | 20.61                     | ≤ 23.93                   | Pass   |
| 11be-EHT20 | MCS0          | 64          | 5320        | 16.35                     | 16.00                     | 15.07                     | 20.61                     | ≤ 23.93                   | Pass   |
| 11be-EHT20 | MCS0          | 100         | 5500        | 15.80                     | 15.74                     | 15.37                     | 20.41                     | ≤ 23.93                   | Pass   |
| 11be-EHT20 | MCS0          | 116         | 5580        | 15.03                     | 15.53                     | 15.94                     | 20.29                     | ≤ 23.93                   | Pass   |
| 11be-EHT20 | MCS0          | 140         | 5700        | 14.68                     | 16.03                     | 15.77                     | 20.30                     | ≤ 23.93                   | Pass   |
| 11be-EHT20 | MCS0          | 144         | 5720        | 15.06                     | 16.06                     | 16.08                     | 20.53                     | ≤ 22.71                   | Pass   |
| 11be-EHT20 | MCS0          | 149         | 5745        | 24.62                     | 25.41                     | 25.09                     | 29.82                     | ≤ 29.94                   | Pass   |
| 11be-EHT20 | MCS0          | 157         | 5785        | 23.74                     | 23.84                     | 24.08                     | 28.66                     | ≤ 29.94                   | Pass   |
| 11be-EHT20 | MCS0          | 165         | 5825        | 23.77                     | 25.18                     | 23.68                     | 29.04                     | ≤ 29.94                   | Pass   |

| Test Mode   | Data Rate/<br>MCS | Channel No. | Freq. (MHz) | Ant 0 Average Power (dBm) | Ant 1 Average Power (dBm) | Ant 2 Average Power (dBm) | Total Average Power (dBm) | Average Power Limit (dBm) | Result |
|-------------|-------------------|-------------|-------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|--------|
| 11be-EHT40  | MCS0              | 38          | 5190        | 16.41                     | 15.75                     | 16.09                     | 20.86                     | ≤ 30.00                   | Pass   |
| 11be-EHT40  | MCS0              | 46          | 5230        | 22.08                     | 23.99                     | 23.31                     | 27.97                     | ≤ 30.00                   | Pass   |
| 11be-EHT40  | MCS0              | 54          | 5270        | 18.03                     | 18.29                     | 17.67                     | 22.78                     | ≤ 23.98                   | Pass   |
| 11be-EHT40  | MCS0              | 62          | 5310        | 18.05                     | 17.81                     | 16.83                     | 22.37                     | ≤ 23.98                   | Pass   |
| 11be-EHT40  | MCS0              | 102         | 5510        | 18.03                     | 18.32                     | 17.33                     | 22.68                     | ≤ 23.98                   | Pass   |
| 11be-EHT40  | MCS0              | 110         | 5550        | 18.33                     | 17.85                     | 17.58                     | 22.70                     | ≤ 23.98                   | Pass   |
| 11be-EHT40  | MCS0              | 134         | 5670        | 17.86                     | 18.47                     | 18.16                     | 22.94                     | ≤ 23.98                   | Pass   |
| 11be-EHT40  | MCS0              | 142         | 5710        | 16.60                     | 17.93                     | 17.73                     | 22.23                     | ≤ 23.98                   | Pass   |
| 11be-EHT40  | MCS0              | 151         | 5755        | 21.89                     | 22.81                     | 22.19                     | 27.08                     | ≤ 29.94                   | Pass   |
| 11be-EHT40  | MCS0              | 159         | 5795        | 22.04                     | 23.95                     | 23.58                     | 28.04                     | ≤ 29.94                   | Pass   |
| 11be-EHT80  | MCS0              | 42          | 5210        | 15.92                     | 15.77                     | 16.05                     | 20.69                     | ≤ 30.00                   | Pass   |
| 11be-EHT80  | MCS0              | 58          | 5290        | 16.80                     | 16.90                     | 16.21                     | 21.42                     | ≤ 23.98                   | Pass   |
| 11be-EHT80  | MCS0              | 106         | 5530        | 18.52                     | 19.83                     | 18.62                     | 23.80                     | ≤ 23.98                   | Pass   |
| 11be-EHT80  | MCS0              | 122         | 5610        | 17.60                     | 19.48                     | 19.63                     | 23.77                     | ≤ 23.98                   | Pass   |
| 11be-EHT80  | MCS0              | 138         | 5690        | 18.13                     | 19.95                     | 19.19                     | 23.92                     | ≤ 23.98                   | Pass   |
| 11be-EHT80  | MCS0              | 155         | 5775        | 19.50                     | 20.16                     | 19.98                     | 24.66                     | ≤ 29.94                   | Pass   |
| 11be-EHT160 | MCS0              | 50          | 5250        | 15.93                     | 15.85                     | 15.70                     | 20.60                     | ≤ 23.98                   | Pass   |
| 11be-EHT160 | MCS0              | 114         | 5570        | 16.33                     | 15.11                     | 15.22                     | 20.36                     | ≤ 23.98                   | Pass   |

Note 1:

The Total Average Power (dBm) =  $10 \cdot \log \{10^{(\text{Ant 0 Average Power} / 10)} + 10^{(\text{Ant 1 Average Power} / 10)} + 10^{(\text{Ant 2 Average Power} / 10)}\}$ .

Note 2:

For 5150 - 5250MHz Bands: Average Power Limit (dBm) = 30 dBm.

For 5250- 5350MHz and 5470 - 5725MHz Band: Average Power Limit (dBm) = 23.98 dBm.

For 5725 - 5850MHz Bands: Average Power Limit (dBm) = 30 – (6.06 – 6) = 29.94 dBm.

For Channel 144 (5720MHz), Average Power Limit (dBm) =  $11 + 10 \cdot \log(5\text{MHz} + \text{BW}_{26\text{dBc}}/2)$

|               |                                        |                   |                    |
|---------------|----------------------------------------|-------------------|--------------------|
| Product       | BE17000 Whole Home Mesh Wi-Fi 7 System | Temperature       | 25°C               |
| Test Engineer | Fran                                   | Relative Humidity | 56%                |
| Test Site     | SR6                                    | Test Date         | 2025/4/21~2025/5/6 |
| Test Mode     | CDD Mode (Ant 0 +1 + 3)                |                   |                    |

| Test Mode  | Data Rate/MCS | Channel No. | Freq. (MHz) | Ant 0 Average Power (dBm) | Ant 1 Average Power (dBm) | Ant 3 Average Power (dBm) | Total Average Power (dBm) | Average Power Limit (dBm) | Result |
|------------|---------------|-------------|-------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|--------|
| 11a        | 6Mbps         | 36          | 5180        | 20.07                     | 18.93                     | 19.38                     | 24.26                     | ≤ 30.00                   | Pass   |
| 11a        | 6Mbps         | 40          | 5200        | 21.37                     | 20.69                     | 21.22                     | 25.87                     | ≤ 30.00                   | Pass   |
| 11a        | 6Mbps         | 48          | 5240        | 21.21                     | 21.16                     | 21.06                     | 25.91                     | ≤ 30.00                   | Pass   |
| 11a        | 6Mbps         | 52          | 5260        | 15.06                     | 15.00                     | 15.03                     | 19.80                     | ≤ 23.49                   | Pass   |
| 11a        | 6Mbps         | 60          | 5300        | 15.50                     | 15.12                     | 14.53                     | 19.84                     | ≤ 23.49                   | Pass   |
| 11a        | 6Mbps         | 64          | 5320        | 16.25                     | 15.53                     | 14.72                     | 20.32                     | ≤ 23.49                   | Pass   |
| 11a        | 6Mbps         | 100         | 5500        | 15.19                     | 14.86                     | 14.54                     | 19.64                     | ≤ 23.49                   | Pass   |
| 11a        | 6Mbps         | 116         | 5580        | 14.44                     | 14.51                     | 15.60                     | 19.65                     | ≤ 23.49                   | Pass   |
| 11a        | 6Mbps         | 140         | 5700        | 14.50                     | 15.70                     | 14.86                     | 19.82                     | ≤ 23.49                   | Pass   |
| 11a        | 6Mbps         | 144         | 5720        | 14.43                     | 15.24                     | 14.64                     | 19.55                     | ≤ 22.43                   | Pass   |
| 11a        | 6Mbps         | 149         | 5745        | 24.16                     | 24.63                     | 24.26                     | 29.13                     | ≤ 30.00                   | Pass   |
| 11a        | 6Mbps         | 157         | 5785        | 23.72                     | 23.46                     | 24.03                     | 28.51                     | ≤ 30.00                   | Pass   |
| 11a        | 6Mbps         | 165         | 5825        | 23.69                     | 24.88                     | 23.47                     | 28.83                     | ≤ 30.00                   | Pass   |
| 11ac-VHT20 | MCS0          | 36          | 5180        | 19.89                     | 18.95                     | 19.08                     | 24.10                     | ≤ 30.00                   | Pass   |
| 11ac-VHT20 | MCS0          | 40          | 5200        | 22.14                     | 21.64                     | 21.89                     | 26.67                     | ≤ 30.00                   | Pass   |
| 11ac-VHT20 | MCS0          | 48          | 5240        | 21.51                     | 21.67                     | 21.16                     | 26.22                     | ≤ 30.00                   | Pass   |
| 11ac-VHT20 | MCS0          | 52          | 5260        | 15.51                     | 15.63                     | 15.23                     | 20.23                     | ≤ 23.71                   | Pass   |
| 11ac-VHT20 | MCS0          | 60          | 5300        | 15.95                     | 15.62                     | 14.60                     | 20.20                     | ≤ 23.71                   | Pass   |
| 11ac-VHT20 | MCS0          | 64          | 5320        | 16.78                     | 16.14                     | 14.98                     | 20.80                     | ≤ 23.71                   | Pass   |
| 11ac-VHT20 | MCS0          | 100         | 5500        | 15.57                     | 15.31                     | 14.77                     | 20.00                     | ≤ 23.70                   | Pass   |
| 11ac-VHT20 | MCS0          | 116         | 5580        | 14.76                     | 15.08                     | 15.89                     | 20.04                     | ≤ 23.70                   | Pass   |
| 11ac-VHT20 | MCS0          | 140         | 5700        | 14.46                     | 15.54                     | 14.56                     | 19.65                     | ≤ 23.70                   | Pass   |
| 11ac-VHT20 | MCS0          | 144         | 5720        | 14.47                     | 15.56                     | 14.65                     | 19.69                     | ≤ 22.55                   | Pass   |
| 11ac-VHT20 | MCS0          | 149         | 5745        | 24.00                     | 24.58                     | 24.04                     | 28.99                     | ≤ 30.00                   | Pass   |
| 11ac-VHT20 | MCS0          | 157         | 5785        | 23.62                     | 23.46                     | 23.88                     | 28.43                     | ≤ 30.00                   | Pass   |
| 11ac-VHT20 | MCS0          | 165         | 5825        | 23.60                     | 24.90                     | 23.17                     | 28.73                     | ≤ 30.00                   | Pass   |

| Test Mode   | Data Rate/MCS | Channel No. | Freq. (MHz) | Ant 0 Average Power (dBm) | Ant 1 Average Power (dBm) | Ant 3 Average Power (dBm) | Total Average Power (dBm) | Average Power Limit (dBm) | Result |
|-------------|---------------|-------------|-------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|--------|
| 11ac-VHT40  | MCS0          | 38          | 5190        | 16.52                     | 15.85                     | 16.12                     | 20.94                     | ≤ 30.00                   | Pass   |
| 11ac-VHT40  | MCS0          | 46          | 5230        | 22.09                     | 23.90                     | 23.23                     | 27.91                     | ≤ 30.00                   | Pass   |
| 11ac-VHT40  | MCS0          | 54          | 5270        | 17.68                     | 17.90                     | 17.25                     | 22.39                     | ≤ 23.98                   | Pass   |
| 11ac-VHT40  | MCS0          | 62          | 5310        | 17.74                     | 17.41                     | 16.22                     | 21.94                     | ≤ 23.98                   | Pass   |
| 11ac-VHT40  | MCS0          | 102         | 5510        | 17.74                     | 17.55                     | 16.90                     | 22.18                     | ≤ 23.98                   | Pass   |
| 11ac-VHT40  | MCS0          | 110         | 5550        | 17.93                     | 17.50                     | 17.12                     | 22.30                     | ≤ 23.98                   | Pass   |
| 11ac-VHT40  | MCS0          | 134         | 5670        | 17.33                     | 18.14                     | 17.06                     | 22.31                     | ≤ 23.98                   | Pass   |
| 11ac-VHT40  | MCS0          | 142         | 5710        | 16.74                     | 17.96                     | 16.92                     | 22.01                     | ≤ 23.98                   | Pass   |
| 11ac-VHT40  | MCS0          | 151         | 5755        | 20.65                     | 21.52                     | 20.79                     | 25.77                     | ≤ 30.00                   | Pass   |
| 11ac-VHT40  | MCS0          | 159         | 5795        | 21.98                     | 24.42                     | 23.38                     | 28.14                     | ≤ 30.00                   | Pass   |
| 11ac-VHT80  | MCS0          | 42          | 5210        | 15.29                     | 14.77                     | 15.07                     | 19.82                     | ≤ 30.00                   | Pass   |
| 11ac-VHT80  | MCS0          | 58          | 5290        | 16.80                     | 16.53                     | 15.91                     | 21.20                     | ≤ 23.98                   | Pass   |
| 11ac-VHT80  | MCS0          | 106         | 5530        | 18.45                     | 18.01                     | 17.86                     | 22.89                     | ≤ 23.98                   | Pass   |
| 11ac-VHT80  | MCS0          | 122         | 5610        | 17.42                     | 19.41                     | 19.57                     | 23.68                     | ≤ 23.98                   | Pass   |
| 11ac-VHT80  | MCS0          | 138         | 5690        | 17.97                     | 20.00                     | 18.65                     | 23.73                     | ≤ 23.98                   | Pass   |
| 11ac-VHT80  | MCS0          | 155         | 5775        | 17.88                     | 18.10                     | 18.24                     | 22.85                     | ≤ 30.00                   | Pass   |
| 11ac-VHT160 | MCS0          | 50          | 5250        | 15.39                     | 14.85                     | 14.73                     | 19.77                     | ≤ 23.98                   | Pass   |
| 11ac-VHT160 | MCS0          | 114         | 5570        | 16.44                     | 15.46                     | 15.55                     | 20.61                     | ≤ 23.98                   | Pass   |
| 11ax-HE20   | MCS0          | 36          | 5180        | 20.65                     | 19.64                     | 19.78                     | 24.82                     | ≤ 30.00                   | Pass   |
| 11ax-HE20   | MCS0          | 40          | 5200        | 21.82                     | 21.37                     | 21.69                     | 26.40                     | ≤ 30.00                   | Pass   |
| 11ax-HE20   | MCS0          | 48          | 5240        | 21.75                     | 21.75                     | 21.50                     | 26.44                     | ≤ 30.00                   | Pass   |
| 11ax-HE20   | MCS0          | 52          | 5260        | 15.74                     | 15.71                     | 15.49                     | 20.42                     | ≤ 23.98                   | Pass   |
| 11ax-HE20   | MCS0          | 60          | 5300        | 15.96                     | 15.84                     | 14.92                     | 20.37                     | ≤ 23.98                   | Pass   |
| 11ax-HE20   | MCS0          | 64          | 5320        | 16.23                     | 15.69                     | 14.78                     | 20.38                     | ≤ 23.98                   | Pass   |
| 11ax-HE20   | MCS0          | 100         | 5500        | 15.28                     | 15.04                     | 14.59                     | 19.75                     | ≤ 23.98                   | Pass   |
| 11ax-HE20   | MCS0          | 116         | 5580        | 15.09                     | 15.18                     | 16.11                     | 20.26                     | ≤ 23.98                   | Pass   |
| 11ax-HE20   | MCS0          | 140         | 5700        | 14.64                     | 15.76                     | 14.88                     | 19.89                     | ≤ 23.98                   | Pass   |
| 11ax-HE20   | MCS0          | 144         | 5720        | 15.05                     | 15.82                     | 15.20                     | 20.14                     | ≤ 22.71                   | Pass   |
| 11ax-HE20   | MCS0          | 149         | 5745        | 21.32                     | 22.15                     | 21.81                     | 26.54                     | ≤ 30.00                   | Pass   |
| 11ax-HE20   | MCS0          | 157         | 5785        | 23.66                     | 23.60                     | 24.13                     | 28.57                     | ≤ 30.00                   | Pass   |
| 11ax-HE20   | MCS0          | 165         | 5825        | 23.62                     | 24.94                     | 23.66                     | 28.89                     | ≤ 30.00                   | Pass   |

| Test Mode  | Data Rate/MCS | Channel No. | Freq. (MHz) | Ant 0 Average Power (dBm) | Ant 1 Average Power (dBm) | Ant 3 Average Power (dBm) | Total Average Power (dBm) | Average Power Limit (dBm) | Result |
|------------|---------------|-------------|-------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|--------|
| 11ax-HE40  | MCS0          | 38          | 5190        | 16.91                     | 16.00                     | 16.34                     | 21.20                     | ≤ 30.00                   | Pass   |
| 11ax-HE40  | MCS0          | 46          | 5230        | 22.21                     | 24.14                     | 23.52                     | 28.13                     | ≤ 30.00                   | Pass   |
| 11ax-HE40  | MCS0          | 54          | 5270        | 17.46                     | 17.50                     | 17.01                     | 22.10                     | ≤ 23.98                   | Pass   |
| 11ax-HE40  | MCS0          | 62          | 5310        | 18.03                     | 17.55                     | 16.54                     | 22.19                     | ≤ 23.98                   | Pass   |
| 11ax-HE40  | MCS0          | 102         | 5510        | 17.29                     | 17.19                     | 16.72                     | 21.84                     | ≤ 23.98                   | Pass   |
| 11ax-HE40  | MCS0          | 110         | 5550        | 17.60                     | 17.12                     | 17.13                     | 22.06                     | ≤ 23.98                   | Pass   |
| 11ax-HE40  | MCS0          | 134         | 5670        | 17.13                     | 17.61                     | 16.85                     | 21.98                     | ≤ 23.98                   | Pass   |
| 11ax-HE40  | MCS0          | 142         | 5710        | 16.56                     | 17.68                     | 16.81                     | 21.81                     | ≤ 23.98                   | Pass   |
| 11ax-HE40  | MCS0          | 151         | 5755        | 21.40                     | 22.11                     | 21.56                     | 26.47                     | ≤ 30.00                   | Pass   |
| 11ax-HE40  | MCS0          | 159         | 5795        | 22.11                     | 23.84                     | 23.77                     | 28.08                     | ≤ 30.00                   | Pass   |
| 11ax-HE80  | MCS0          | 42          | 5210        | 15.57                     | 14.85                     | 15.23                     | 20.00                     | ≤ 30.00                   | Pass   |
| 11ax-HE80  | MCS0          | 58          | 5290        | 16.99                     | 16.55                     | 16.08                     | 21.33                     | ≤ 23.98                   | Pass   |
| 11ax-HE80  | MCS0          | 106         | 5530        | 18.18                     | 17.53                     | 17.56                     | 22.54                     | ≤ 23.98                   | Pass   |
| 11ax-HE80  | MCS0          | 122         | 5610        | 17.70                     | 19.30                     | 19.34                     | 23.62                     | ≤ 23.98                   | Pass   |
| 11ax-HE80  | MCS0          | 138         | 5690        | 18.20                     | 19.90                     | 18.65                     | 23.75                     | ≤ 23.98                   | Pass   |
| 11ax-HE80  | MCS0          | 155         | 5775        | 18.63                     | 18.93                     | 18.85                     | 23.58                     | ≤ 30.00                   | Pass   |
| 11ax-HE160 | MCS0          | 50          | 5250        | 15.11                     | 14.44                     | 14.44                     | 19.45                     | ≤ 23.98                   | Pass   |
| 11ax-HE160 | MCS0          | 114         | 5570        | 16.12                     | 14.98                     | 15.26                     | 20.25                     | ≤ 23.98                   | Pass   |
| 11be-EHT20 | MCS0          | 36          | 5180        | 21.15                     | 20.03                     | 20.32                     | 25.30                     | ≤ 30.00                   | Pass   |
| 11be-EHT20 | MCS0          | 40          | 5200        | 21.87                     | 21.30                     | 21.66                     | 26.39                     | ≤ 30.00                   | Pass   |
| 11be-EHT20 | MCS0          | 48          | 5240        | 21.71                     | 21.68                     | 21.49                     | 26.40                     | ≤ 30.00                   | Pass   |
| 11be-EHT20 | MCS0          | 52          | 5260        | 15.58                     | 15.68                     | 15.40                     | 20.33                     | ≤ 23.93                   | Pass   |
| 11be-EHT20 | MCS0          | 60          | 5300        | 16.18                     | 15.62                     | 14.95                     | 20.38                     | ≤ 23.93                   | Pass   |
| 11be-EHT20 | MCS0          | 64          | 5320        | 16.35                     | 15.59                     | 14.63                     | 20.35                     | ≤ 23.93                   | Pass   |
| 11be-EHT20 | MCS0          | 100         | 5500        | 15.30                     | 14.82                     | 14.42                     | 19.63                     | ≤ 23.93                   | Pass   |
| 11be-EHT20 | MCS0          | 116         | 5580        | 15.02                     | 15.08                     | 16.14                     | 20.22                     | ≤ 23.93                   | Pass   |
| 11be-EHT20 | MCS0          | 140         | 5700        | 17.13                     | 18.26                     | 17.39                     | 22.39                     | ≤ 23.93                   | Pass   |
| 11be-EHT20 | MCS0          | 144         | 5720        | 15.05                     | 15.87                     | 15.22                     | 20.17                     | ≤ 22.71                   | Pass   |
| 11be-EHT20 | MCS0          | 149         | 5745        | 23.29                     | 24.66                     | 23.97                     | 28.78                     | ≤ 30.00                   | Pass   |
| 11be-EHT20 | MCS0          | 157         | 5785        | 23.80                     | 23.50                     | 24.09                     | 28.57                     | ≤ 30.00                   | Pass   |
| 11be-EHT20 | MCS0          | 165         | 5825        | 23.82                     | 24.88                     | 23.41                     | 28.85                     | ≤ 30.00                   | Pass   |



| Test Mode   | Data Rate/<br>MCS | Channel No. | Freq. (MHz) | Ant 0 Average Power (dBm) | Ant 1 Average Power (dBm) | Ant 3 Average Power (dBm) | Total Average Power (dBm) | Average Power Limit (dBm) | Result |
|-------------|-------------------|-------------|-------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|--------|
| 11be-EHT40  | MCS0              | 38          | 5190        | 16.85                     | 15.96                     | 16.30                     | 21.16                     | ≤ 30.00                   | Pass   |
| 11be-EHT40  | MCS0              | 46          | 5230        | 22.95                     | 23.95                     | 23.09                     | 28.12                     | ≤ 30.00                   | Pass   |
| 11be-EHT40  | MCS0              | 54          | 5270        | 17.46                     | 17.41                     | 17.04                     | 22.08                     | ≤ 23.98                   | Pass   |
| 11be-EHT40  | MCS0              | 62          | 5310        | 17.99                     | 17.44                     | 16.46                     | 22.11                     | ≤ 23.98                   | Pass   |
| 11be-EHT40  | MCS0              | 102         | 5510        | 17.35                     | 17.11                     | 16.70                     | 21.83                     | ≤ 23.98                   | Pass   |
| 11be-EHT40  | MCS0              | 110         | 5550        | 17.67                     | 17.06                     | 17.07                     | 22.05                     | ≤ 23.98                   | Pass   |
| 11be-EHT40  | MCS0              | 134         | 5670        | 17.15                     | 17.59                     | 16.77                     | 21.95                     | ≤ 23.98                   | Pass   |
| 11be-EHT40  | MCS0              | 142         | 5710        | 16.54                     | 17.66                     | 16.82                     | 21.80                     | ≤ 23.98                   | Pass   |
| 11be-EHT40  | MCS0              | 151         | 5755        | 21.40                     | 22.11                     | 21.45                     | 26.44                     | ≤ 30.00                   | Pass   |
| 11be-EHT40  | MCS0              | 159         | 5795        | 22.19                     | 24.05                     | 23.73                     | 28.17                     | ≤ 30.00                   | Pass   |
| 11be-EHT80  | MCS0              | 42          | 5210        | 15.42                     | 14.82                     | 15.25                     | 19.94                     | ≤ 30.00                   | Pass   |
| 11be-EHT80  | MCS0              | 58          | 5290        | 16.92                     | 16.59                     | 15.95                     | 21.28                     | ≤ 23.98                   | Pass   |
| 11be-EHT80  | MCS0              | 106         | 5530        | 15.93                     | 15.38                     | 15.49                     | 20.38                     | ≤ 23.98                   | Pass   |
| 11be-EHT80  | MCS0              | 122         | 5610        | 17.53                     | 19.10                     | 19.29                     | 23.48                     | ≤ 23.98                   | Pass   |
| 11be-EHT80  | MCS0              | 138         | 5690        | 17.85                     | 19.80                     | 18.65                     | 23.61                     | ≤ 23.98                   | Pass   |
| 11be-EHT80  | MCS0              | 155         | 5775        | 18.50                     | 18.88                     | 18.76                     | 23.49                     | ≤ 30.00                   | Pass   |
| 11be-EHT160 | MCS0              | 50          | 5250        | 15.15                     | 14.48                     | 14.56                     | 19.51                     | ≤ 23.98                   | Pass   |
| 11be-EHT160 | MCS0              | 114         | 5570        | 15.59                     | 14.51                     | 14.90                     | 19.79                     | ≤ 23.98                   | Pass   |

Note 1:

The Total Average Power (dBm) =  $10 \cdot \log \{10^{(\text{Ant 0 Average Power} / 10)} + 10^{(\text{Ant 1 Average Power} / 10)} + 10^{(\text{Ant 3 Average Power} / 10)}\}$ .

Note 2:

For 5250- 5350MHz and 5470 - 5725MHz Band: Average Power Limit (dBm) = 23.98 dBm.

For 5150 - 5250MHz and 5725 - 5850MHz Bands: Average Power Limit (dBm) = 30 dBm.

For Channel 144 (5720MHz), Average Power Limit (dBm) =  $11 + 10 \cdot \log(5\text{MHz} + \text{BW}_{26\text{dBc}}/2)$

## 7.5. Transmit Power Control

### 7.5.1. Test Limit

The U-NII device is required to have the capability to operate at least 6 dB below the mean EIRP value of 30 dBm.

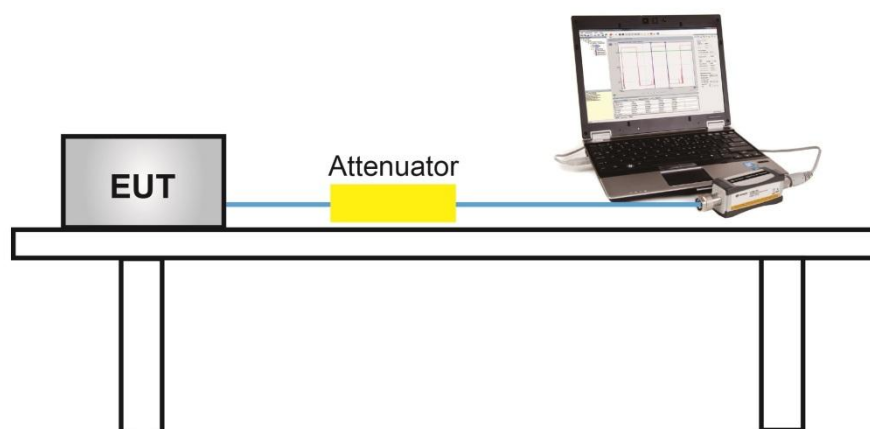
### 7.5.2. Test Procedure Used

KDB 789033 D02v02r01- Section E)3)b) Method PM-G

### 7.5.3. Test Setting

Average power measurements were performed only when the EUT was transmitting at its maximum power control level using a broadband power meter with a pulse sensor. The power meter implemented triggering and gating capabilities which were set up such that power measurements were recorded only during the ON time of the transmitter. The trace was averaged over 100 traces to obtain the final measured average power.

### 7.5.4. Test Setup



### 7.5.5. Test Result

Device supports TPC mechanism, details refer to the operational description.

## **7.6. Power Spectral Density Measurement**

### **7.6.1. Test Limit**

For the band 5.15-5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band.

For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band.

For the band 5.725-5.85 GHz, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band.

If transmitting antennas of directional gain greater than 6dBi are used, the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

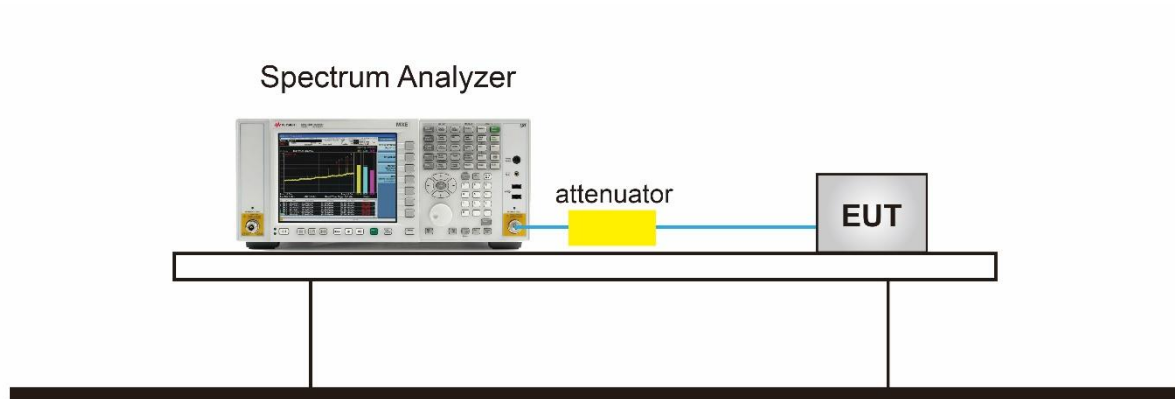
### **7.6.2. Test Procedure Used**

KDB 789033 D02v02r01-SectionF

### **7.6.3. Test Setting**

1. Analyzer was set to the center frequency of the UNII channel under investigation
2. Span was set to encompass the entire 26dB EBW of the signal.
3. RBW = 1MHz, if measurement bandwidth of Maximum PSD is specified in 500 kHz,  
RBW = 510 kHz
4. VBW = 3MHz
5. Number of sweep points  $\geq 2 \times (\text{span} / \text{RBW})$
6. Detector = power averaging (Average)
7. Sweep time = auto
8. Trigger = free run
9. Use the peak search function on the instrument to find the peak of the spectrum and record its value.
10. Add  $10 \cdot \log(1/x)$ , where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times (because the measurement represents an average over both the on and off times of the transmission). For example, add  $10 \cdot \log(1/0.25) = 6$  dB if the duty cycle is 25 percent.

#### 7.6.4. Test Setup



### 7.6.5.Test Result

|           |                                                                      |               |                    |
|-----------|----------------------------------------------------------------------|---------------|--------------------|
| Product   | BE17000 Whole Home Mesh Wi-Fi 7 System                               | Test Engineer | Fran               |
| Test Site | SR6                                                                  | Test Date     | 2025/4/21~2025/5/6 |
| Mode      | Power Spectral Density (U-NII- 1/-2a / -2c) CDD Mode (Ant 0 + 1 + 2) |               |                    |

| Test Mode  | Data Rate /MCS | Ch. No. | Freq. (MHz) | Ant 0 PSD (dBm/MHz) | Ant 1 PSD (dBm/MHz) | Ant 2 PSD (dBm/MHz) | Duty Cycle (%) | Total PSD (dBm/MHz) | PSD Limit (dBm/MHz) | Result |
|------------|----------------|---------|-------------|---------------------|---------------------|---------------------|----------------|---------------------|---------------------|--------|
| 11a        | 6Mbps          | 36      | 5180        | 8.714               | 8.048               | 7.689               | 96.63%         | 13.091              | ≤ 16.59             | Pass   |
| 11a        | 6Mbps          | 40      | 5200        | 11.477              | 11.400              | 10.591              | 96.63%         | 16.094              | ≤ 16.59             | Pass   |
| 11a        | 6Mbps          | 48      | 5240        | 11.628              | 11.840              | 10.572              | 96.63%         | 16.301              | ≤ 16.59             | Pass   |
| 11a        | 6Mbps          | 52      | 5260        | 5.237               | 5.571               | 5.130               | 96.63%         | 10.237              | ≤ 10.68             | Pass   |
| 11a        | 6Mbps          | 60      | 5300        | 5.254               | 5.936               | 4.565               | 96.63%         | 10.208              | ≤ 10.68             | Pass   |
| 11a        | 6Mbps          | 64      | 5320        | 6.056               | 6.186               | 4.441               | 96.63%         | 10.550              | ≤ 10.68             | Pass   |
| 11a        | 6Mbps          | 100     | 5500        | 5.335               | 5.847               | 4.340               | 96.63%         | 10.138              | ≤ 10.71             | Pass   |
| 11a        | 6Mbps          | 116     | 5580        | 4.486               | 5.563               | 5.578               | 96.63%         | 10.158              | ≤ 10.71             | Pass   |
| 11a        | 6Mbps          | 140     | 5700        | 4.268               | 6.271               | 5.661               | 96.63%         | 10.398              | ≤ 10.71             | Pass   |
| 11a        | 6Mbps          | 144     | 5720        | 4.738               | 6.053               | 4.841               | 96.63%         | 10.173              | ≤ 10.71             | Pass   |
| 11ac-VHT20 | MCS0           | 36      | 5180        | 9.480               | 8.616               | 8.810               | 99.04%         | 13.798              | ≤ 16.59             | Pass   |
| 11ac-VHT20 | MCS0           | 40      | 5200        | 11.455              | 11.639              | 10.584              | 99.04%         | 16.063              | ≤ 16.59             | Pass   |
| 11ac-VHT20 | MCS0           | 48      | 5240        | 11.116              | 11.615              | 10.898              | 99.04%         | 16.033              | ≤ 16.59             | Pass   |
| 11ac-VHT20 | MCS0           | 52      | 5260        | 5.395               | 6.127               | 5.408               | 99.04%         | 10.470              | ≤ 10.68             | Pass   |
| 11ac-VHT20 | MCS0           | 60      | 5300        | 5.600               | 6.153               | 4.479               | 99.04%         | 10.278              | ≤ 10.68             | Pass   |
| 11ac-VHT20 | MCS0           | 64      | 5320        | 4.435               | 6.650               | 4.806               | 99.04%         | 10.222              | ≤ 10.68             | Pass   |
| 11ac-VHT20 | MCS0           | 100     | 5500        | 5.272               | 6.082               | 4.628               | 99.04%         | 10.181              | ≤ 10.71             | Pass   |
| 11ac-VHT20 | MCS0           | 116     | 5580        | 4.625               | 5.898               | 6.548               | 99.04%         | 10.575              | ≤ 10.71             | Pass   |
| 11ac-VHT20 | MCS0           | 140     | 5700        | 4.890               | 6.136               | 4.785               | 99.04%         | 10.128              | ≤ 10.71             | Pass   |
| 11ac-VHT20 | MCS0           | 144     | 5720        | 4.773               | 6.464               | 5.075               | 99.04%         | 10.315              | ≤ 10.71             | Pass   |

| Test Mode   | Data Rate /MCS | Ch. No. | Freq. (MHz) | Ant 0 PSD (dBm/MHz) | Ant 1 PSD (dBm/MHz) | Ant 2 PSD (dBm/MHz) | Duty Cycle (%) | Total PSD (dBm/MHz) | PSD Limit (dBm/MHz) | Result |
|-------------|----------------|---------|-------------|---------------------|---------------------|---------------------|----------------|---------------------|---------------------|--------|
| 11ac-VHT40  | MCS0           | 38      | 5190        | 3.124               | 3.156               | 2.647               | 97.95%         | 7.843               | ≤ 16.59             | Pass   |
| 11ac-VHT40  | MCS0           | 46      | 5230        | 10.286              | 10.405              | 9.954               | 97.95%         | 15.080              | ≤ 16.59             | Pass   |
| 11ac-VHT40  | MCS0           | 54      | 5270        | 4.997               | 6.491               | 5.249               | 97.95%         | 10.491              | ≤ 10.68             | Pass   |
| 11ac-VHT40  | MCS0           | 62      | 5310        | 4.972               | 5.418               | 3.844               | 97.95%         | 9.655               | ≤ 10.68             | Pass   |
| 11ac-VHT40  | MCS0           | 102     | 5510        | 4.772               | 6.170               | 5.219               | 97.95%         | 10.288              | ≤ 10.71             | Pass   |
| 11ac-VHT40  | MCS0           | 110     | 5550        | 5.665               | 6.285               | 5.472               | 97.95%         | 10.683              | ≤ 10.71             | Pass   |
| 11ac-VHT40  | MCS0           | 134     | 5670        | 4.533               | 6.152               | 5.213               | 97.95%         | 10.212              | ≤ 10.71             | Pass   |
| 11ac-VHT40  | MCS0           | 142     | 5710        | 4.191               | 6.331               | 5.151               | 97.95%         | 10.174              | ≤ 10.71             | Pass   |
| 11ac-VHT80  | MCS0           | 42      | 5210        | 2.165               | 0.825               | 0.271               | 94.62%         | 6.173               | ≤ 16.59             | Pass   |
| 11ac-VHT80  | MCS0           | 58      | 5290        | 1.673               | 2.346               | 1.020               | 94.62%         | 6.725               | ≤ 10.68             | Pass   |
| 11ac-VHT80  | MCS0           | 106     | 5530        | 4.011               | 3.774               | 2.454               | 94.62%         | 8.476               | ≤ 10.71             | Pass   |
| 11ac-VHT80  | MCS0           | 122     | 5610        | 2.342               | 3.042               | 2.861               | 94.62%         | 7.770               | ≤ 10.71             | Pass   |
| 11ac-VHT80  | MCS0           | 138     | 5690        | 2.860               | 4.690               | 2.656               | 94.62%         | 8.514               | ≤ 10.71             | Pass   |
| 11ac-VHT160 | MCS0           | 50      | 5250        | -1.354              | -2.145              | -3.002              | 91.67%         | 3.034               | ≤ 10.68             | Pass   |
| 11ac-VHT160 | MCS0           | 114     | 5570        | -2.711              | -2.923              | -3.081              | 91.67%         | 2.247               | ≤ 10.71             | Pass   |
| 11ax-HE20   | MCS0           | 36      | 5180        | 9.071               | 9.077               | 8.585               | 98.26%         | 13.764              | ≤ 16.59             | Pass   |
| 11ax-HE20   | MCS0           | 40      | 5200        | 10.998              | 11.229              | 11.288              | 98.26%         | 16.021              | ≤ 16.59             | Pass   |
| 11ax-HE20   | MCS0           | 48      | 5240        | 10.737              | 11.631              | 11.068              | 98.26%         | 16.009              | ≤ 16.59             | Pass   |
| 11ax-HE20   | MCS0           | 52      | 5260        | 5.031               | 5.844               | 5.701               | 98.26%         | 10.387              | ≤ 10.68             | Pass   |
| 11ax-HE20   | MCS0           | 60      | 5300        | 5.351               | 6.158               | 5.379               | 98.26%         | 10.493              | ≤ 10.68             | Pass   |
| 11ax-HE20   | MCS0           | 64      | 5320        | 5.615               | 6.418               | 5.115               | 98.26%         | 10.597              | ≤ 10.68             | Pass   |
| 11ax-HE20   | MCS0           | 100     | 5500        | 4.614               | 6.133               | 4.922               | 98.26%         | 10.121              | ≤ 10.71             | Pass   |
| 11ax-HE20   | MCS0           | 116     | 5580        | 4.267               | 5.064               | 6.019               | 98.26%         | 10.023              | ≤ 10.71             | Pass   |
| 11ax-HE20   | MCS0           | 140     | 5700        | 4.447               | 5.642               | 5.743               | 98.26%         | 10.163              | ≤ 10.71             | Pass   |
| 11ax-HE20   | MCS0           | 144     | 5720        | 4.117               | 6.591               | 5.589               | 98.26%         | 10.396              | ≤ 10.71             | Pass   |

| Test Mode  | Data Rate/<br>MCS | Ch. No. | Freq. (MHz) | Ant 0 PSD (dBm/MHz) | Ant 1 PSD (dBm/MHz) | Ant 2 PSD (dBm/MHz) | Duty Cycle (%) | Total PSD (dBm/MHz) | PSD Limit (dBm/MHz) | Result |
|------------|-------------------|---------|-------------|---------------------|---------------------|---------------------|----------------|---------------------|---------------------|--------|
| 11ax-HE40  | MCS0              | 38      | 5190        | 3.864               | 3.862               | 3.572               | 94.67%         | 8.777               | ≤ 16.59             | Pass   |
| 11ax-HE40  | MCS0              | 46      | 5230        | 9.560               | 10.373              | 9.531               | 94.67%         | 14.848              | ≤ 16.59             | Pass   |
| 11ax-HE40  | MCS0              | 54      | 5270        | 5.059               | 6.111               | 5.365               | 94.67%         | 10.544              | ≤ 10.68             | Pass   |
| 11ax-HE40  | MCS0              | 62      | 5310        | 4.808               | 5.844               | 4.195               | 94.67%         | 10.012              | ≤ 10.68             | Pass   |
| 11ax-HE40  | MCS0              | 102     | 5510        | 4.685               | 5.854               | 4.713               | 94.67%         | 10.128              | ≤ 10.68             | Pass   |
| 11ax-HE40  | MCS0              | 110     | 5550        | 4.926               | 5.688               | 5.146               | 94.67%         | 10.274              | ≤ 10.71             | Pass   |
| 11ax-HE40  | MCS0              | 134     | 5670        | 4.190               | 6.143               | 5.376               | 94.67%         | 10.318              | ≤ 10.71             | Pass   |
| 11ax-HE40  | MCS0              | 142     | 5710        | 3.784               | 5.886               | 5.420               | 94.67%         | 10.129              | ≤ 10.71             | Pass   |
| 11ax-HE80  | MCS0              | 42      | 5210        | -0.660              | -0.099              | -0.689              | 94.64%         | 4.536               | ≤ 16.59             | Pass   |
| 11ax-HE80  | MCS0              | 58      | 5290        | 1.661               | 2.400               | 1.076               | 94.64%         | 6.757               | ≤ 10.68             | Pass   |
| 11ax-HE80  | MCS0              | 106     | 5530        | 3.242               | 3.761               | 3.173               | 94.64%         | 8.410               | ≤ 10.71             | Pass   |
| 11ax-HE80  | MCS0              | 122     | 5610        | 2.061               | 3.155               | 3.199               | 94.64%         | 7.846               | ≤ 10.71             | Pass   |
| 11ax-HE80  | MCS0              | 122     | 5690        | 2.284               | 3.514               | 2.449               | 94.64%         | 7.795               | ≤ 10.71             | Pass   |
| 11ax-HE160 | MCS0              | 50      | 5250        | -3.079              | -2.732              | -3.880              | 91.05%         | 1.974               | ≤ 10.68             | Pass   |
| 11ax-HE160 | MCS0              | 114     | 5570        | -3.980              | -3.275              | -3.980              | 91.05%         | 1.446               | ≤ 10.71             | Pass   |
| 11be-EHT20 | MCS0              | 36      | 5180        | 8.368               | 7.577               | 7.504               | 98.45%         | 12.673              | ≤ 16.59             | Pass   |
| 11be-EHT20 | MCS0              | 40      | 5200        | 10.948              | 11.898              | 11.477              | 98.45%         | 16.297              | ≤ 16.59             | Pass   |
| 11be-EHT20 | MCS0              | 48      | 5240        | 10.717              | 11.838              | 10.871              | 98.45%         | 16.010              | ≤ 16.59             | Pass   |
| 11be-EHT20 | MCS0              | 52      | 5260        | 4.910               | 5.966               | 5.708               | 98.45%         | 10.390              | ≤ 10.68             | Pass   |
| 11be-EHT20 | MCS0              | 60      | 5300        | 5.031               | 6.359               | 5.247               | 98.45%         | 10.425              | ≤ 10.68             | Pass   |
| 11be-EHT20 | MCS0              | 64      | 5320        | 5.445               | 6.411               | 5.035               | 98.45%         | 10.508              | ≤ 10.68             | Pass   |
| 11be-EHT20 | MCS0              | 100     | 5500        | 4.630               | 6.094               | 5.164               | 98.45%         | 10.178              | ≤ 10.71             | Pass   |
| 11be-EHT20 | MCS0              | 116     | 5580        | 4.422               | 5.255               | 5.874               | 98.45%         | 10.063              | ≤ 10.71             | Pass   |
| 11be-EHT20 | MCS0              | 140     | 5700        | 3.899               | 6.458               | 5.465               | 98.45%         | 10.237              | ≤ 10.71             | Pass   |
| 11be-EHT20 | MCS0              | 144     | 5720        | 4.215               | 6.302               | 5.604               | 98.45%         | 10.297              | ≤ 10.71             | Pass   |



| Test Mode   | Data Rate/<br>MCS | Ch. No. | Freq. (MHz) | Ant 0 PSD (dBm/MHz) | Ant 1 PSD (dBm/MHz) | Ant 2 PSD (dBm/MHz) | Duty Cycle (%) | Total PSD (dBm/MHz) | PSD Limit (dBm/MHz) | Result |
|-------------|-------------------|---------|-------------|---------------------|---------------------|---------------------|----------------|---------------------|---------------------|--------|
| 11be-EHT40  | MCS0              | 38      | 5190        | 3.316               | 2.993               | 2.866               | 96.81%         | 7.975               | ≤ 16.59             | Pass   |
| 11be-EHT40  | MCS0              | 46      | 5230        | 9.935               | 10.601              | 9.712               | 96.81%         | 15.011              | ≤ 16.59             | Pass   |
| 11be-EHT40  | MCS0              | 54      | 5270        | 5.196               | 6.072               | 5.506               | 96.81%         | 10.519              | ≤ 10.68             | Pass   |
| 11be-EHT40  | MCS0              | 62      | 5310        | 5.119               | 6.460               | 4.507               | 96.81%         | 10.352              | ≤ 10.68             | Pass   |
| 11be-EHT40  | MCS0              | 102     | 5510        | 4.580               | 6.175               | 5.244               | 96.81%         | 10.295              | ≤ 10.71             | Pass   |
| 11be-EHT40  | MCS0              | 110     | 5550        | 5.143               | 5.649               | 5.089               | 96.81%         | 10.213              | ≤ 10.71             | Pass   |
| 11be-EHT40  | MCS0              | 134     | 5670        | 4.719               | 6.706               | 5.657               | 96.81%         | 10.682              | ≤ 10.71             | Pass   |
| 11be-EHT40  | MCS0              | 142     | 5710        | 3.679               | 6.256               | 5.148               | 96.81%         | 10.065              | ≤ 10.71             | Pass   |
| 11be-EHT80  | MCS0              | 42      | 5210        | -0.149              | 0.605               | -0.351              | 94.50%         | 5.072               | ≤ 16.59             | Pass   |
| 11be-EHT80  | MCS0              | 58      | 5290        | 1.475               | 1.643               | 0.239               | 94.50%         | 6.179               | ≤ 10.68             | Pass   |
| 11be-EHT80  | MCS0              | 106     | 5530        | 2.781               | 2.675               | 2.141               | 94.50%         | 7.558               | ≤ 10.71             | Pass   |
| 11be-EHT80  | MCS0              | 122     | 5610        | 2.275               | 2.862               | 3.243               | 94.50%         | 7.828               | ≤ 10.71             | Pass   |
| 11be-EHT80  | MCS0              | 122     | 5690        | 2.812               | 3.949               | 3.386               | 94.50%         | 8.424               | ≤ 10.71             | Pass   |
| 11be-EHT160 | MCS0              | 50      | 5250        | -2.897              | -2.322              | -3.688              | 90.13%         | 2.289               | ≤ 10.68             | Pass   |
| 11be-EHT160 | MCS0              | 114     | 5570        | -3.102              | -3.431              | -4.233              | 90.13%         | 1.659               | ≤ 10.71             | Pass   |

Note 1: The total PSD (dBm/MHz) =  $10 \cdot \log \{10^{(\text{Ant 0 PSD}/10)} + 10^{(\text{Ant 1 PSD}/10)} + 10^{(\text{Ant 2 PSD}/10)}\} + 10 \cdot \log (1/\text{Duty Cycle})$  (dBm/MHz).

Note 2:

For 5150 - 5250MHz Band: PSD Limit (dBm/MHz) = 17 - (6.41 - 6) = 16.59dBm/MHz.

For 5250 - 5350MHz Band: PSD Limit (dBm/MHz) = 11 - (6.32 - 6) = 10.68dBm/MHz.

For 5470 - 5725MHz Band: PSD Limit (dBm/MHz) = 11 - (6.29 - 6) = 10.71dBm/MHz.

|           |                                                           |               |                    |
|-----------|-----------------------------------------------------------|---------------|--------------------|
| Product   | BE17000 Whole Home Mesh Wi-Fi 7 System                    | Test Engineer | Fran               |
| Test Site | SR6                                                       | Test Date     | 2025/4/21~2025/5/6 |
| Mode      | Power Spectral Density (U-NII-3) CDD Mode (Ant 0 + 1 + 2) |               |                    |

| Test Mode  | Data Rate/MCS | Ch. No. | Freq. (MHz) | Ant 0 PSD (dBm/510KHz) | Ant 1 PSD (dBm/510KHz) | Ant 2 PSD (dBm/510KHz) | Duty Cycle (%) | Total PSD(dBm/510kHz) | Limit (dBm/500kHz) | Result |
|------------|---------------|---------|-------------|------------------------|------------------------|------------------------|----------------|-----------------------|--------------------|--------|
| 11a        | 6Mbps         | 149     | 5745        | 11.190                 | 12.471                 | 11.270                 | 96.63%         | 16.604                | ≤ 29.51            | Pass   |
| 11a        | 6Mbps         | 157     | 5785        | 10.256                 | 10.665                 | 10.442                 | 96.63%         | 15.378                | ≤ 29.51            | Pass   |
| 11a        | 6Mbps         | 165     | 5825        | 10.074                 | 11.957                 | 10.199                 | 96.63%         | 15.752                | ≤ 29.51            | Pass   |
| 11ac-VHT20 | MCS0          | 149     | 5745        | 10.744                 | 12.040                 | 11.257                 | 99.04%         | 16.193                | ≤ 29.51            | Pass   |
| 11ac-VHT20 | MCS0          | 157     | 5785        | 9.965                  | 9.755                  | 10.529                 | 99.04%         | 14.909                | ≤ 29.51            | Pass   |
| 11ac-VHT20 | MCS0          | 165     | 5825        | 10.154                 | 11.864                 | 10.064                 | 99.04%         | 15.589                | ≤ 29.51            | Pass   |
| 11ac-VHT40 | MCS0          | 151     | 5755        | 5.882                  | 7.285                  | 6.056                  | 97.95%         | 11.315                | ≤ 29.51            | Pass   |
| 11ac-VHT40 | MCS0          | 159     | 5795        | 6.917                  | 7.280                  | 7.356                  | 97.95%         | 12.050                | ≤ 29.51            | Pass   |
| 11ac-VHT80 | MCS0          | 155     | 5775        | 0.534                  | 1.241                  | 0.339                  | 94.62%         | 5.734                 | ≤ 29.51            | Pass   |
| 11ax-HE20  | MCS0          | 149     | 5745        | 10.774                 | 12.098                 | 10.831                 | 98.26%         | 16.126                | ≤ 29.51            | Pass   |
| 11ax-HE20  | MCS0          | 157     | 5785        | 9.967                  | 10.203                 | 10.417                 | 98.26%         | 15.047                | ≤ 29.51            | Pass   |
| 11ax-HE20  | MCS0          | 165     | 5825        | 9.728                  | 11.470                 | 9.698                  | 98.26%         | 15.228                | ≤ 29.51            | Pass   |
| 11ax-HE40  | MCS0          | 151     | 5755        | 5.899                  | 7.796                  | 6.211                  | 94.67%         | 11.727                | ≤ 29.51            | Pass   |
| 11ax-HE40  | MCS0          | 159     | 5795        | 6.699                  | 7.662                  | 7.219                  | 94.67%         | 12.220                | ≤ 29.51            | Pass   |
| 11ax-HE80  | MCS0          | 155     | 5775        | 0.248                  | 1.670                  | 0.441                  | 94.64%         | 5.844                 | ≤ 29.51            | Pass   |
| 11be-EHT20 | MCS0          | 149     | 5745        | 11.087                 | 11.783                 | 10.900                 | 98.45%         | 16.113                | ≤ 29.51            | Pass   |
| 11be-EHT20 | MCS0          | 157     | 5785        | 9.953                  | 9.838                  | 9.843                  | 98.45%         | 14.717                | ≤ 29.51            | Pass   |
| 11be-EHT20 | MCS0          | 165     | 5825        | 10.149                 | 11.357                 | 9.680                  | 98.45%         | 15.293                | ≤ 29.51            | Pass   |
| 11be-EHT40 | MCS0          | 151     | 5755        | 6.320                  | 6.985                  | 6.511                  | 96.81%         | 11.526                | ≤ 29.51            | Pass   |
| 11be-EHT40 | MCS0          | 159     | 5795        | 6.965                  | 7.354                  | 7.106                  | 96.81%         | 12.057                | ≤ 29.51            | Pass   |
| 11be-EHT80 | MCS0          | 155     | 5775        | 1.136                  | 1.378                  | 1.875                  | 94.50%         | 6.491                 | ≤ 29.51            | Pass   |

Note 1: The total PSD (dBm/510kHz) =  $10^{\log \{10^{(\text{Ant 0 PSD}/10)} + 10^{(\text{Ant 1 PSD}/10)} + 10^{(\text{Ant 2 PSD}/10)}\}}$  (dBm/510kHz) +  $10^{\log (1/\text{Duty Cycle})}$ .

Note 2: PSD Limit (dBm/500kHz) = 30 - (6.49 - 6) = 29.51 (dBm/500kHz).

## 802.11a Power Spectral Density - Ant 0

Channel 36 (5180MHz)



Channel 40 (5200MHz)



Channel 48 (5240MHz)



Channel 52 (5260MHz)



Channel 60 (5300MHz)



Channel 64 (5320MHz)

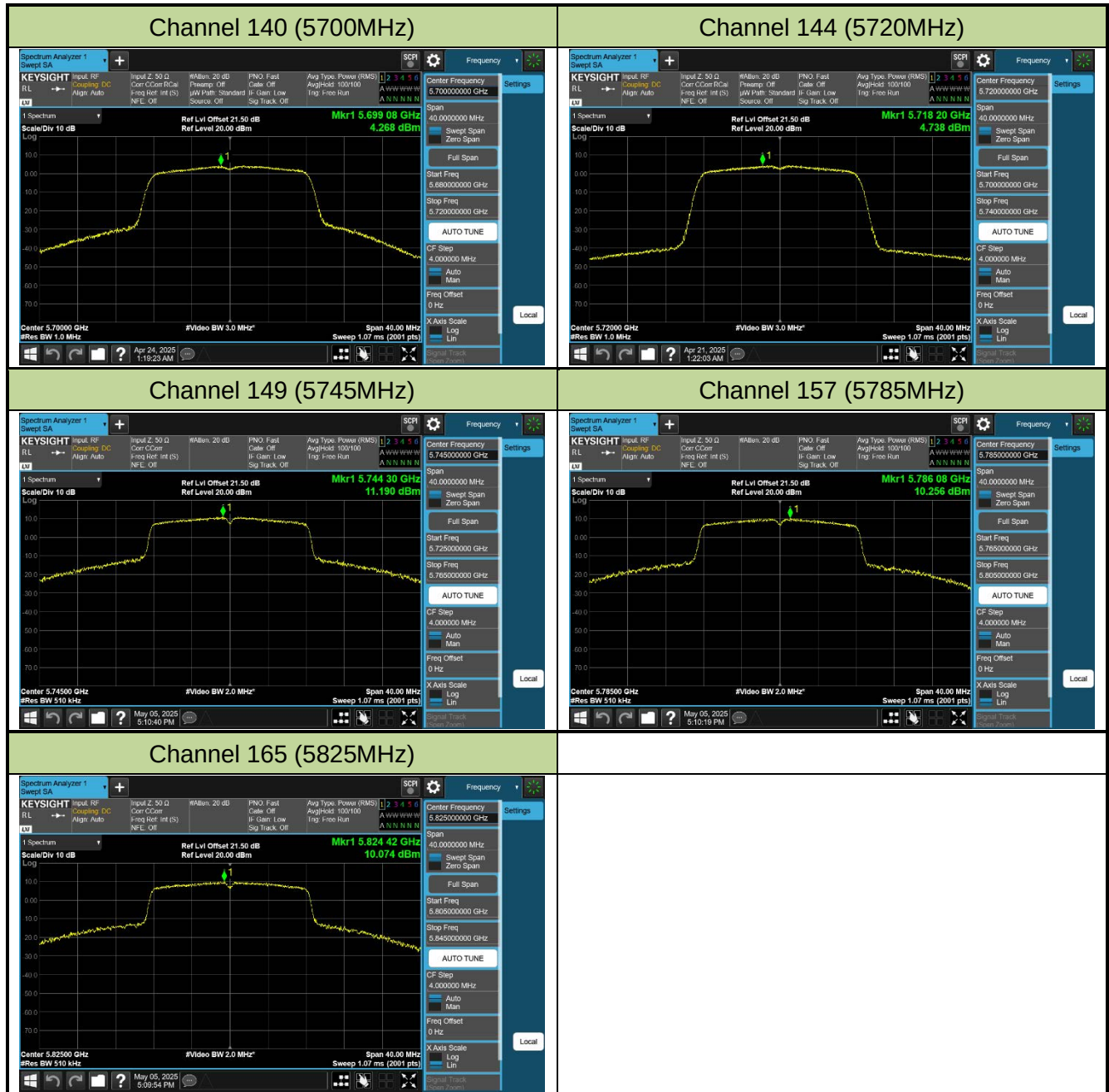


Channel 100 (5500MHz)



Channel 116 (5580MHz)





## 802.11ac-VHT20 Power Spectral Density - Ant 0

Channel 36 (5180MHz)



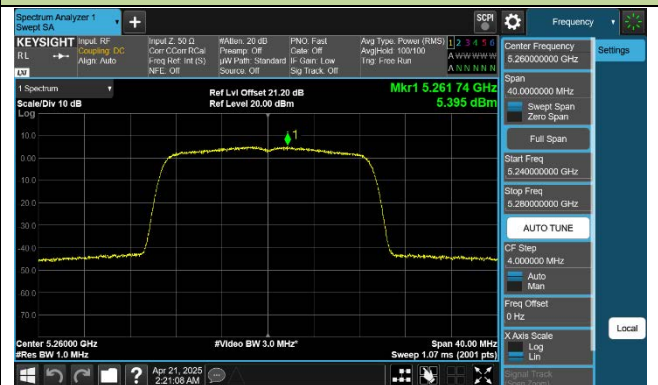
Channel 40 (5200MHz)



Channel 48 (5240MHz)



Channel 52 (5260MHz)



Channel 60 (5300MHz)



Channel 64 (5320MHz)



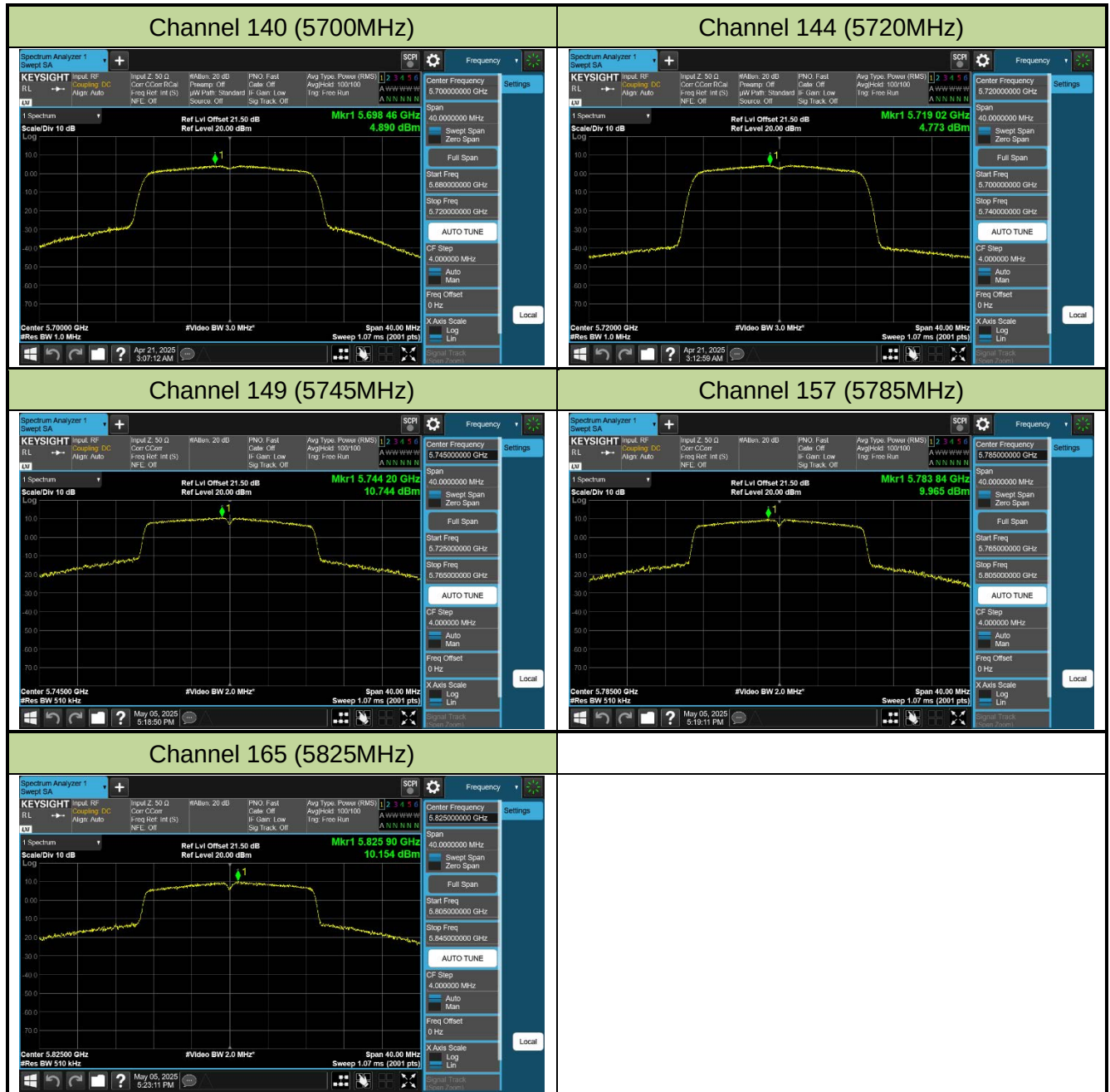
Channel 100 (5500MHz)



Channel 116 (5580MHz)

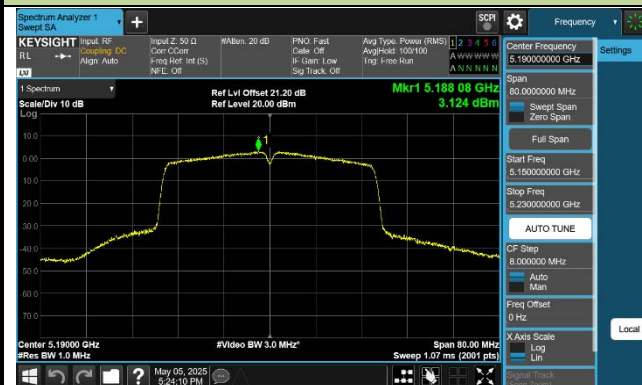






## 802.11ac-VHT40 Power Spectral Density - Ant 0

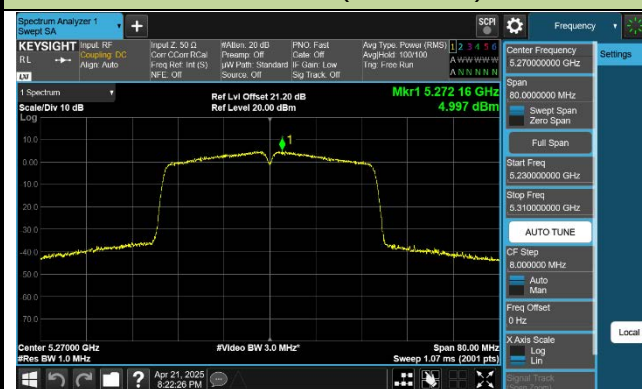
Channel 38 (5190MHz)



Channel 46 (5230MHz)



Channel 54 (5270MHz)



Channel 62 (5310MHz)



Channel 102 (5510MHz)



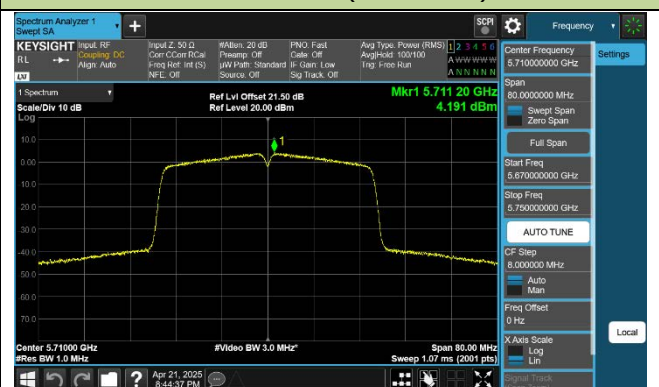
Channel 110 (5550MHz)



Channel 134 (5670MHz)



Channel 142 (5710MHz)





Channel 151 (5755MHz)



Channel 159 (5795MHz)



802.11ac-VHT80 Power Spectral Density - Ant 0

Channel 42 (5210MHz)



Channel 58 (5290MHz)



Channel 106 (5530MHz)



Channel 122 (5610MHz)



Channel 138 (5690MHz)



Channel 155 (5775MHz)

