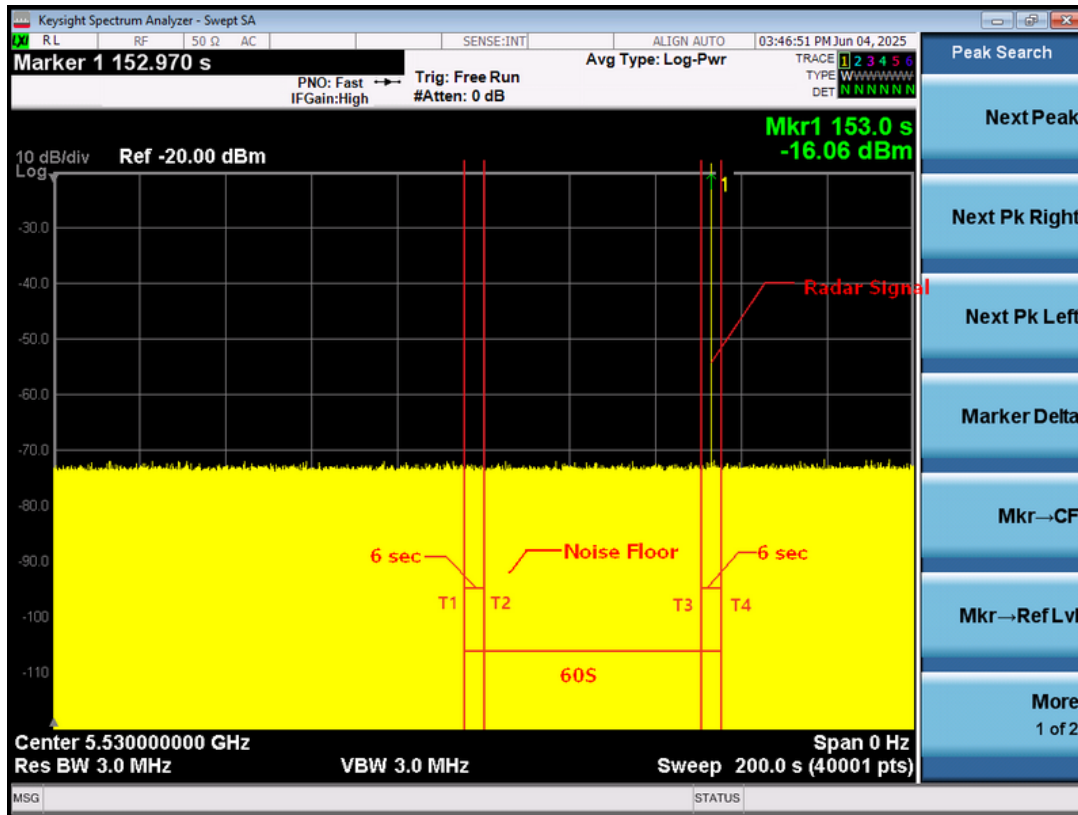


## IEEE 802.11ax(HE80) Mode

Radar Burst at the End of the Channel Availability Check Time



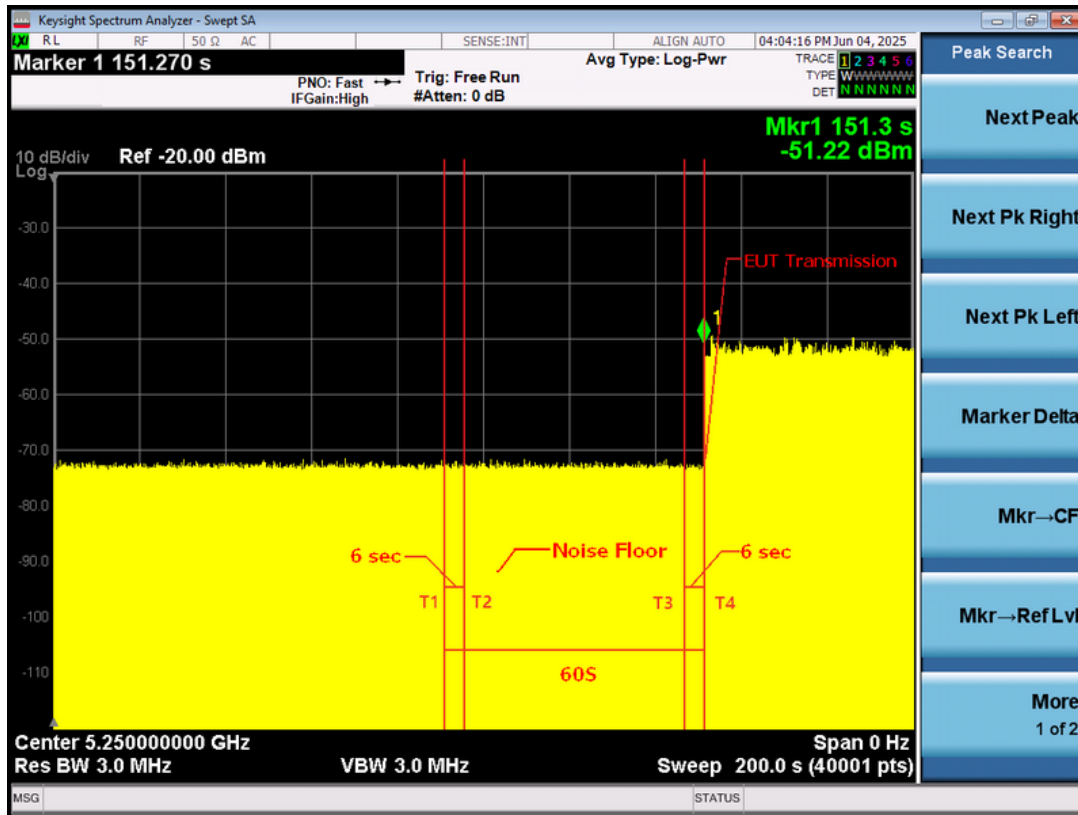
**Note:** T1 denotes the end of power up time period is 96.4 second.

T3 denotes 150.4 second and radar burst was commenced within 54 second to 60 second indow starting from the end of power-up sequence.

T4 denotes the 156.4 second.

## IEEE 802.11be(EHT160) Mode

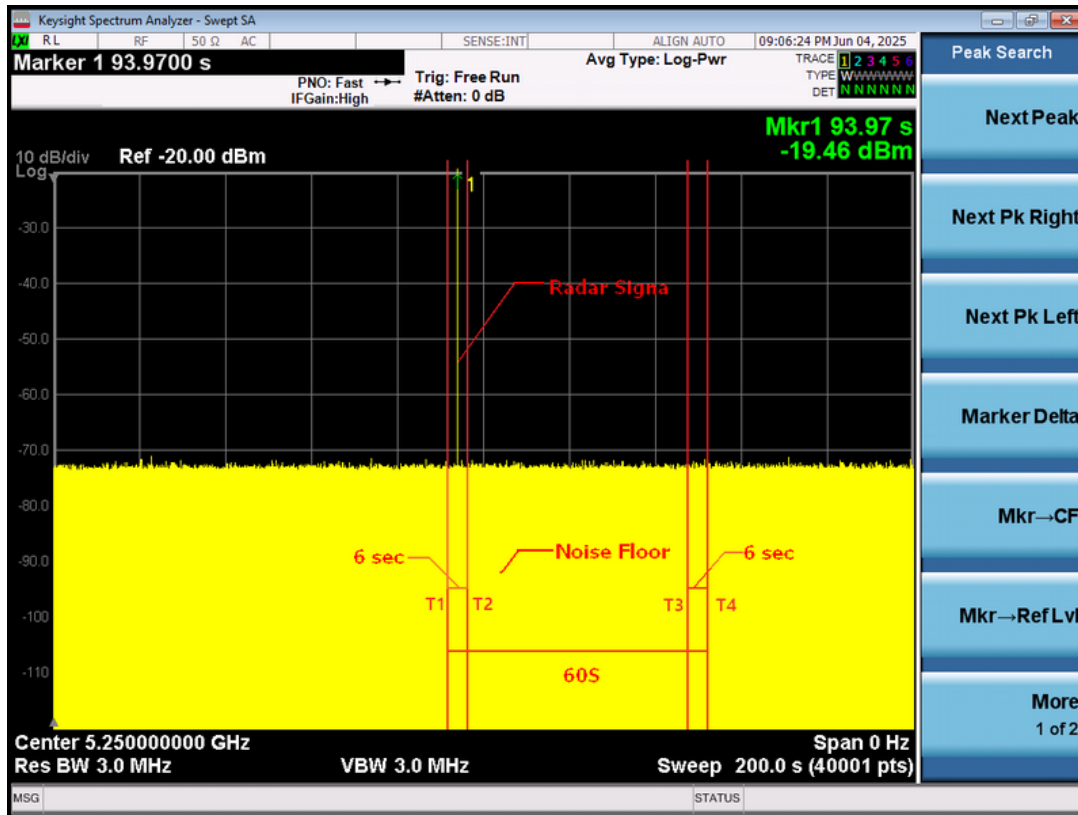
Initial Channel Availability Check Time



**Note:** T1 denotes the end of power-up time period is 91.3 second.  
T4 denotes the end of Channel Availability Check time is 151.3 second. Channel Availability Check time is equal to (T4 - T1) 60 seconds.

## IEEE 802.11be(EHT160) Mode

Radar Burst at the Beginning of the Channel Availability Check Time



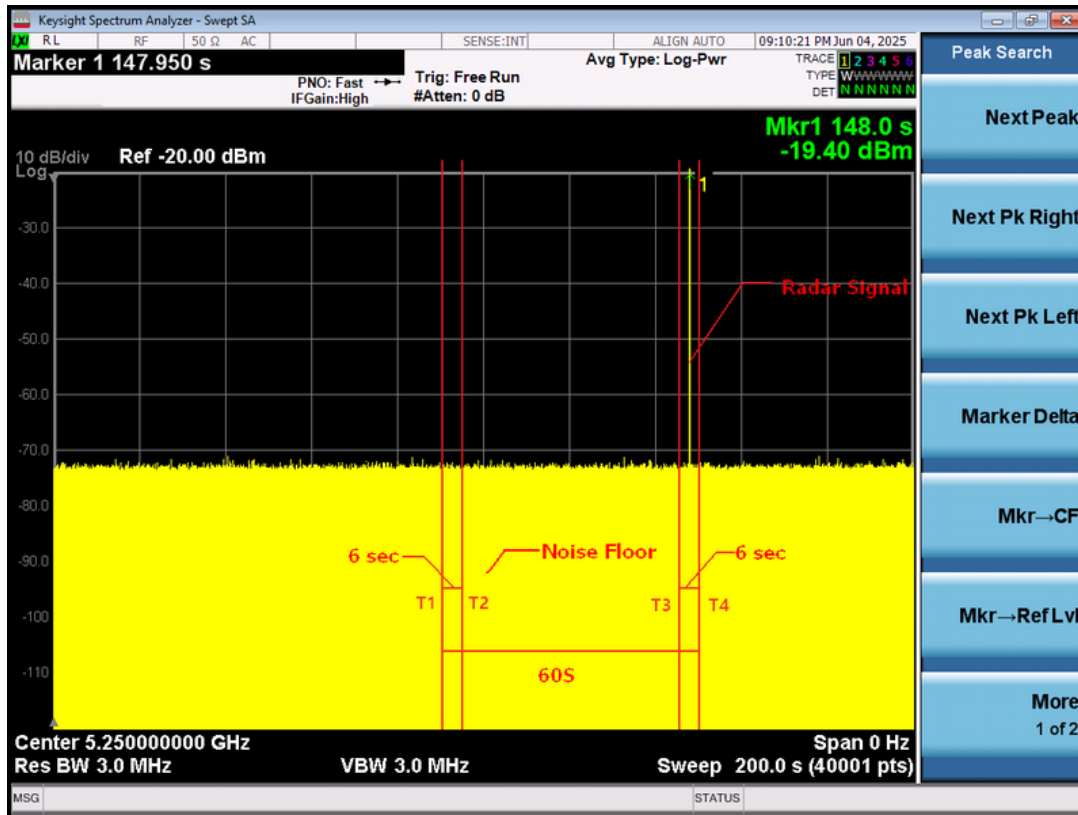
**Note:** T1 denotes the end of power up time period is 91.3 second.

T2 denotes 97.3 second. The radar burst was commenced within a 6 second window starting from the end of power-up sequence.

T4 denotes the 151.3 second.

## IEEE 802.11be(EHT160) Mode

Radar Burst at the End of the Channel Availability Check Time



**Note:** T1 denotes the end of power up time period is 91.3 second.

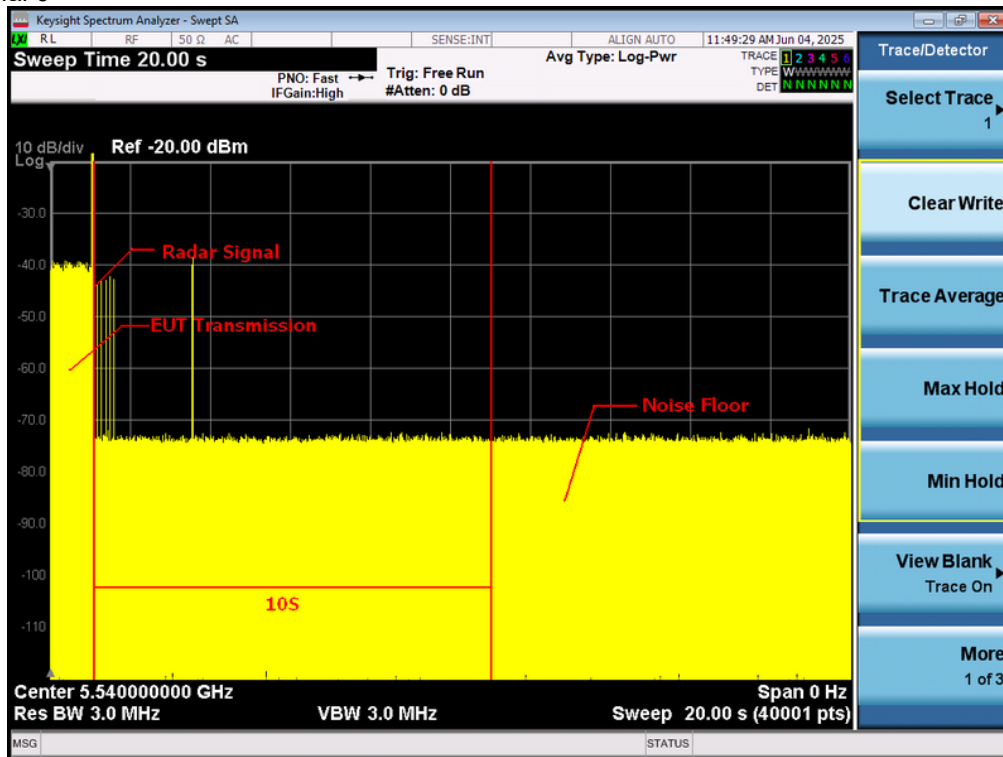
T3 denotes 145.3 second and radar burst was commenced within 54 second to 60 second indow starting from the end of power-up sequence.

T4 denotes the 151.3 second.

## 9.5 CHANNEL MOVE TIME AND CHANNEL CLOSING TRANSMISSION TIME

### IEEE 802.11a Mode

Radar signal 0

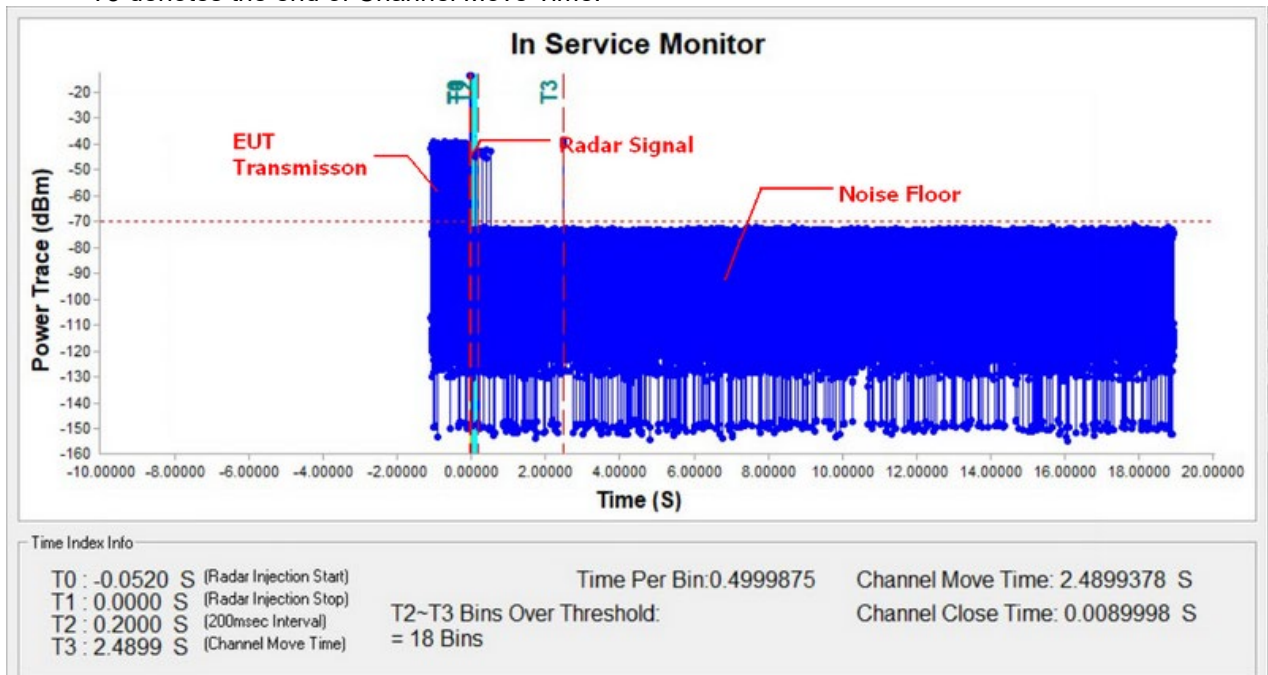


**Note:** T0 denotes the Radar Injection Start.

T1 denotes the start of Channel Move Time upon the end of the last Radar burst.

T2 denotes the data transmission time of 200ms from T1.

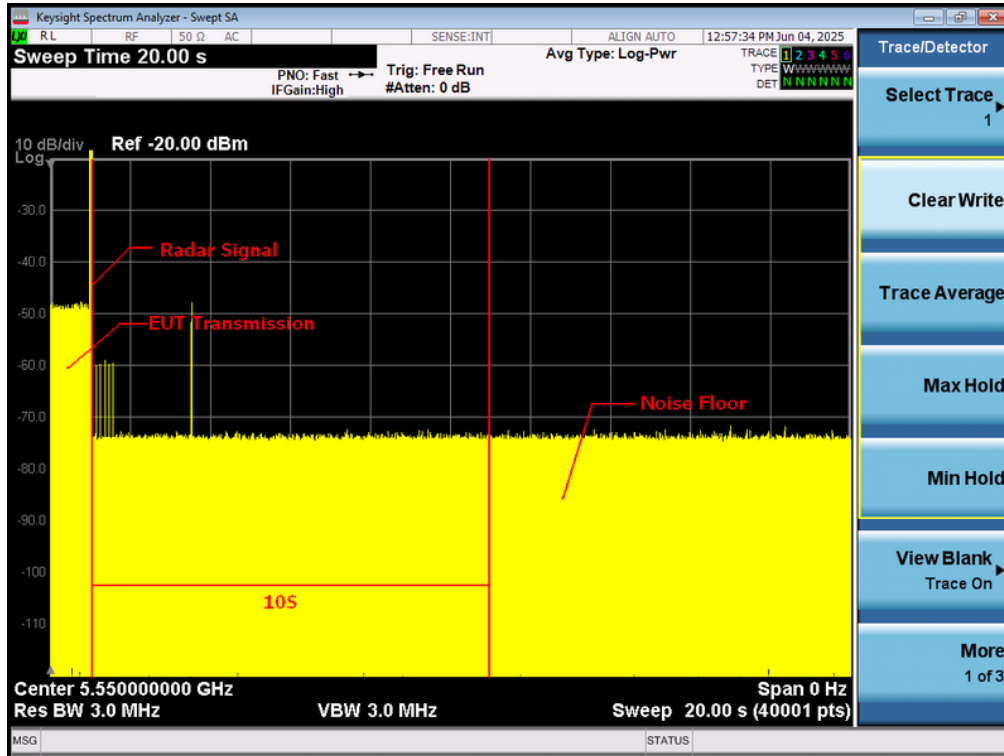
T3 denotes the end of Channel Move Time.



**Note:** An expanded plot for the device vacates the channel in the required 500ms.

## IEEE 802.11ac(VHT40) Mode

Radar signal 0

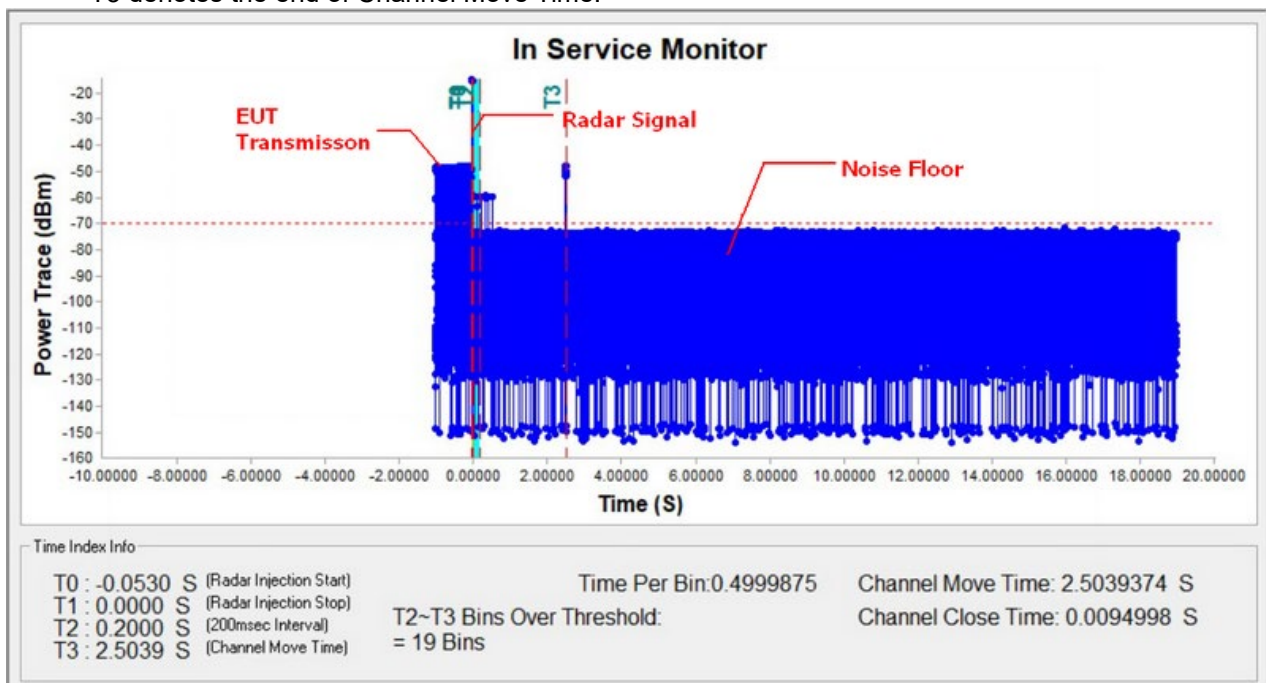


**Note:** T0 denotes the Radar Injection Start.

T1 denotes the start of Channel Move Time upon the end of the last Radar burst.

T2 denotes the data transmission time of 200ms from T1.

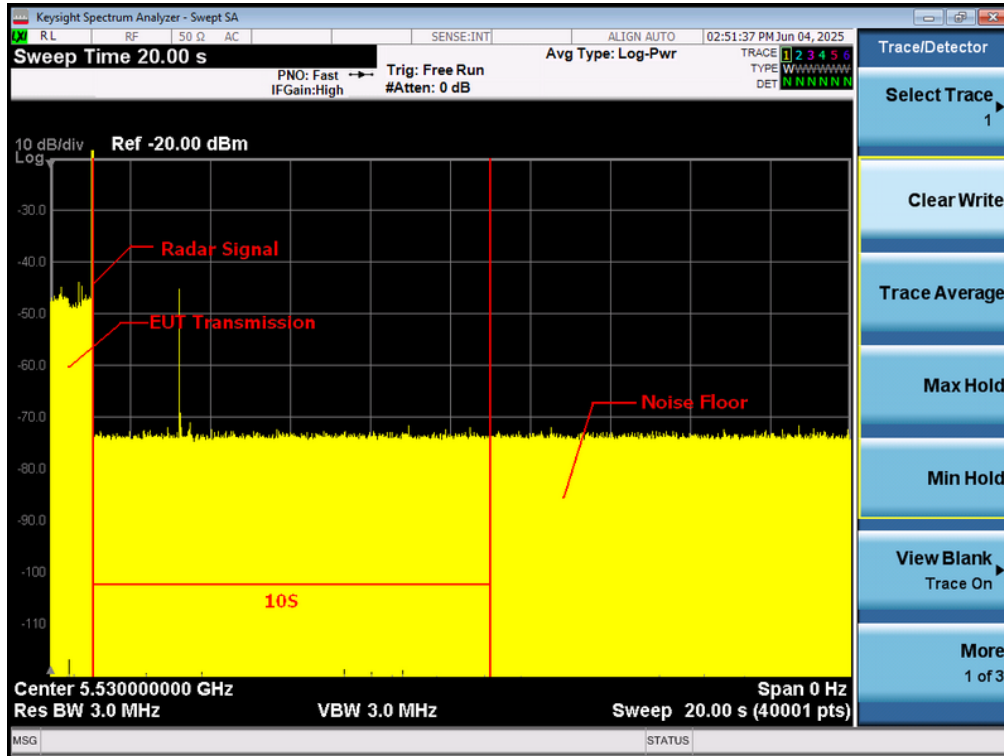
T3 denotes the end of Channel Move Time.



**Note:** An expanded plot for the device vacates the channel in the required 500ms.

## IEEE 802.11ax(HE80) Mode

Radar signal 0

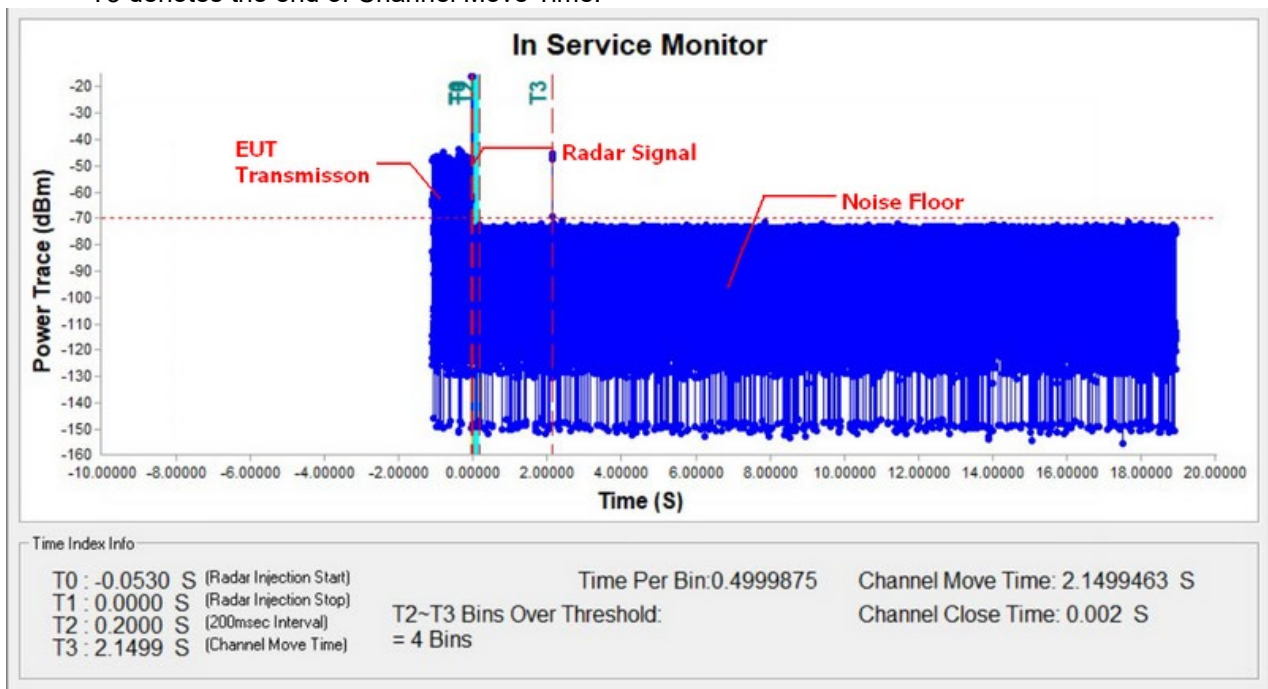


**Note:** T0 denotes the Radar Injection Start.

T1 denotes the start of Channel Move Time upon the end of the last Radar burst.

T2 denotes the data transmission time of 200ms from T1.

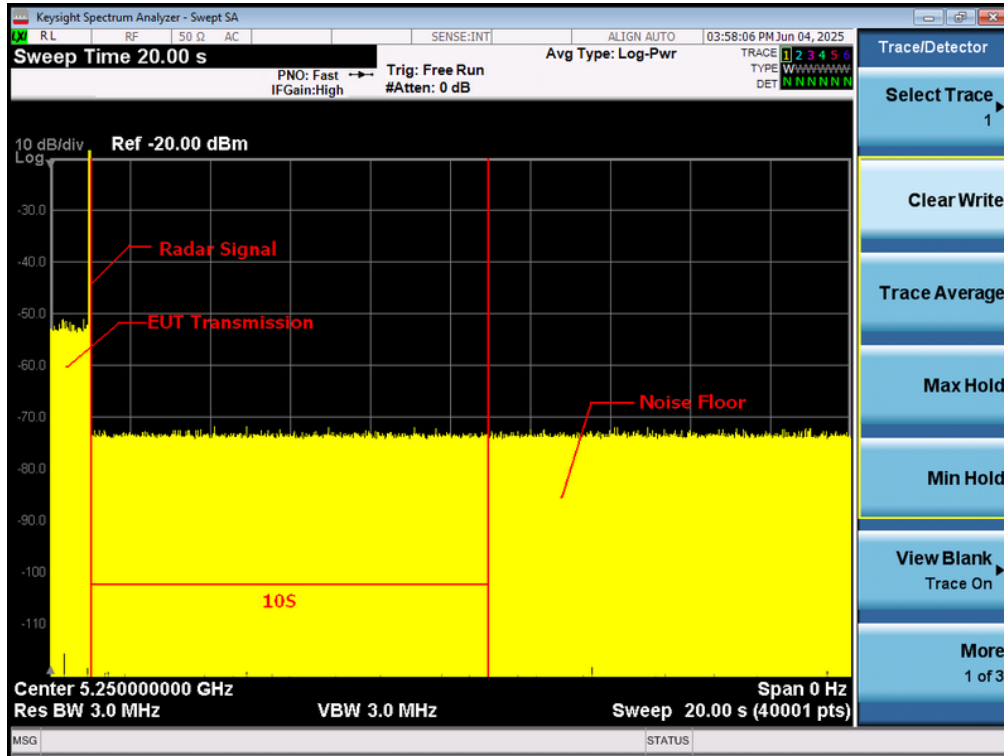
T3 denotes the end of Channel Move Time.



**Note:** An expanded plot for the device vacates the channel in the required 500ms.

## IEEE 802.11be(EHT160) Mode

Radar signal 0

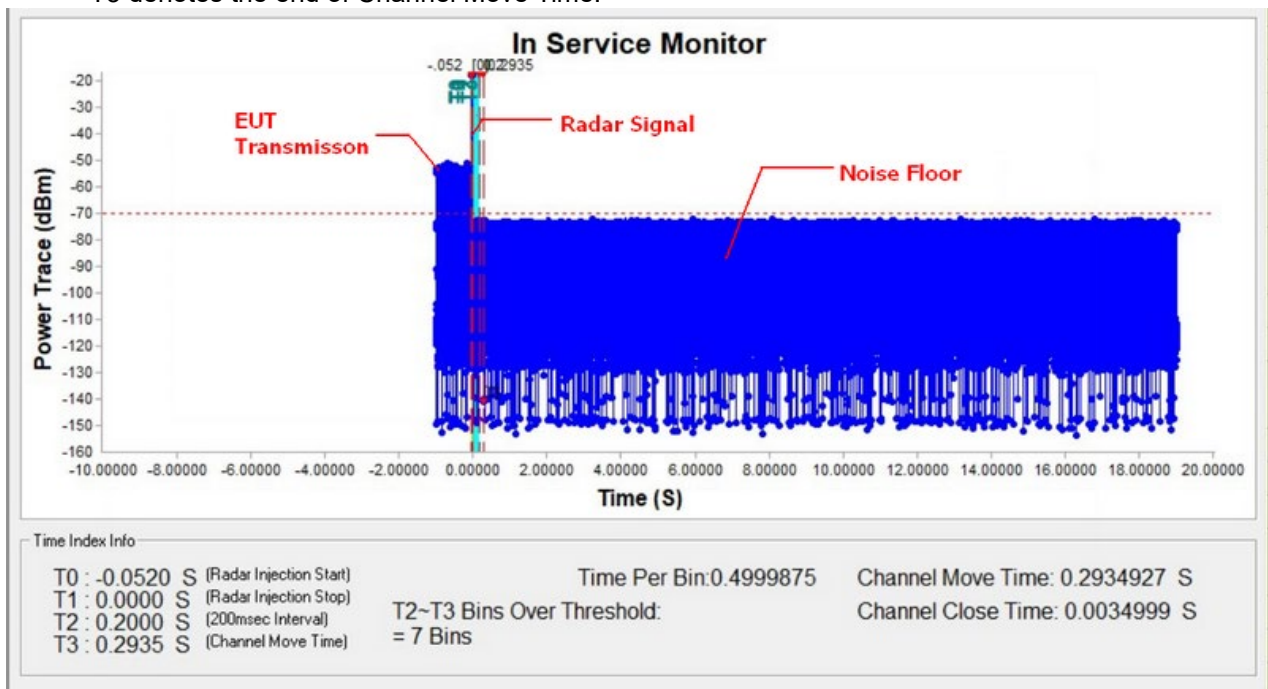


**Note:** T0 denotes the Radar Injection Start.

T1 denotes the start of Channel Move Time upon the end of the last Radar burst.

T2 denotes the data transmission time of 200ms from T1.

T3 denotes the end of Channel Move Time.



**Note:** An expanded plot for the device vacates the channel in the required 500ms.

| IEEE 802.11a Mode  |                   |                                                                                     |
|--------------------|-------------------|-------------------------------------------------------------------------------------|
| Item               | Measured Value(s) | Limit(s)                                                                            |
| Channel Move Time  | 2.4899378         | 10                                                                                  |
| Channel Close Time | 0.0089998         | 200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. |

| IEEE 802.11ac(VHT40) Mode |                   |                                                                                     |
|---------------------------|-------------------|-------------------------------------------------------------------------------------|
| Item                      | Measured Value(s) | Limit(s)                                                                            |
| Channel Move Time         | 2.5039374         | 10                                                                                  |
| Channel Close Time        | 0.0094998         | 200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. |

| IEEE 802.11ax(HE80) Mode |                   |                                                                                     |
|--------------------------|-------------------|-------------------------------------------------------------------------------------|
| Item                     | Measured Value(s) | Limit(s)                                                                            |
| Channel Move Time        | 2.1499463         | 10                                                                                  |
| Channel Close Time       | 0.002             | 200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. |

| IEEE 802.11be(EHT160) Mode |                   |                                                                                     |
|----------------------------|-------------------|-------------------------------------------------------------------------------------|
| Item                       | Measured Value(s) | Limit(s)                                                                            |
| Channel Move Time          | 0.2934927         | 10                                                                                  |
| Channel Close Time         | 0.0034999         | 200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. |

## 9.6 STATISTICAL PERFORMANCE CHECK

### IEEE 802.11a Mode

Table 1: Short Pulse Radar Test Waveforms.

| Radar Type                  | Pulse Width (μsec) | PRI (μsec)                                                                                                                                                                                                                                                 | Number of Pulses                                                                                                                     | Pass times | Fail times | Percentage of Successful Detection (%) |
|-----------------------------|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|------------|------------|----------------------------------------|
| 1                           | 1                  | Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a<br>Test B: 15 unique PRI values randomly selected within the range of 518-3066 μsec, with a minimum increment of 1 μsec, excluding PRI values selected in Test A | $\text{Roundup} \left\{ \left( \frac{1}{360} \right) \cdot \left( \frac{19 \cdot 10^6}{\text{PRI}_{\mu\text{sec}}} \right) \right\}$ | 4          | 87%        | 4                                      |
| 2                           | 1-5                | 150-230                                                                                                                                                                                                                                                    | 23-29                                                                                                                                | 5          | 83%        | 5                                      |
| 3                           | 6-10               | 200-500                                                                                                                                                                                                                                                    | 16-18                                                                                                                                | 4          | 87%        | 4                                      |
| 4                           | 11-20              | 200-500                                                                                                                                                                                                                                                    | 12-16                                                                                                                                | 4          | 87%        | 4                                      |
| Aggregate (Radar Types 1-4) |                    |                                                                                                                                                                                                                                                            |                                                                                                                                      | 103        | 17         | 86%                                    |

Table 2: Long Pulse Radar Test Waveform

| Radar Type | Pulse Width (μsec) | Chirp Width (MHz) | PRI (μsec) | Number of Pulses Per Burst | Number of Bursts | Pass times | Fail times | Percentage of Successful Detection (%) |
|------------|--------------------|-------------------|------------|----------------------------|------------------|------------|------------|----------------------------------------|
| 5          | 50-100             | 5-20              | 1000-2000  | 1-3                        | 8-20             | 27         | 3          | 90%                                    |

Table 3: Frequency Hopping Radar Test Waveform

| Radar Type | Pulse Width (μsec) | PRI (μsec) | Pulses per Hop | Hopping Rate (kHz) | Hopping Sequence Length (msec) | Pass times | Fail times | Percentage of Successful Detection (%) |
|------------|--------------------|------------|----------------|--------------------|--------------------------------|------------|------------|----------------------------------------|
| 6          | 1                  | 333        | 9              | 0.333              | 300                            | 28         | 2          | 93%                                    |

| Radar Type | Trial # | Detection | Trial # | Detection |
|------------|---------|-----------|---------|-----------|
|            |         | YES / NO  |         | YES / NO  |
| Type1      | 1       | YES       | 16      | YES       |
|            | 2       | YES       | 17      | YES       |
|            | 3       | YES       | 18      | YES       |
|            | 4       | YES       | 19      | NO        |
|            | 5       | YES       | 20      | YES       |
|            | 6       | YES       | 21      | YES       |
|            | 7       | NO        | 22      | YES       |
|            | 8       | YES       | 23      | YES       |
|            | 9       | YES       | 24      | NO        |
|            | 10      | YES       | 25      | YES       |
|            | 11      | YES       | 26      | YES       |
|            | 12      | YES       | 27      | YES       |
|            | 13      | YES       | 28      | YES       |
|            | 14      | YES       | 29      | YES       |
|            | 15      | NO        | 30      | YES       |
| Type2      | 1       | YES       | 16      | YES       |
|            | 2       | NO        | 17      | YES       |
|            | 3       | YES       | 18      | NO        |
|            | 4       | YES       | 19      | YES       |
|            | 5       | YES       | 20      | YES       |
|            | 6       | YES       | 21      | YES       |
|            | 7       | YES       | 22      | YES       |
|            | 8       | NO        | 23      | YES       |
|            | 9       | YES       | 24      | NO        |
|            | 10      | YES       | 25      | YES       |
|            | 11      | YES       | 26      | YES       |
|            | 12      | NO        | 27      | YES       |
|            | 13      | YES       | 28      | YES       |
|            | 14      | YES       | 29      | YES       |
|            | 15      | YES       | 30      | YES       |

| Radar Type | Trial # | Detection | Trial # | Detection |
|------------|---------|-----------|---------|-----------|
|            |         | YES / NO  |         | YES / NO  |
| Type3      | 1       | YES       | 16      | YES       |
|            | 2       | YES       | 17      | NO        |
|            | 3       | YES       | 18      | YES       |
|            | 4       | YES       | 19      | YES       |
|            | 5       | YES       | 20      | YES       |
|            | 6       | NO        | 21      | YES       |
|            | 7       | YES       | 22      | YES       |
|            | 8       | YES       | 23      | YES       |
|            | 9       | YES       | 24      | YES       |
|            | 10      | YES       | 25      | YES       |
|            | 11      | YES       | 26      | YES       |
|            | 12      | YES       | 27      | NO        |
|            | 13      | YES       | 28      | YES       |
|            | 14      | NO        | 29      | YES       |
|            | 15      | YES       | 30      | YES       |
| Type4      | 1       | YES       | 16      | YES       |
|            | 2       | YES       | 17      | NO        |
|            | 3       | NO        | 18      | YES       |
|            | 4       | YES       | 19      | YES       |
|            | 5       | YES       | 20      | YES       |
|            | 6       | YES       | 21      | YES       |
|            | 7       | YES       | 22      | YES       |
|            | 8       | YES       | 23      | YES       |
|            | 9       | YES       | 24      | YES       |
|            | 10      | NO        | 25      | NO        |
|            | 11      | YES       | 26      | YES       |
|            | 12      | YES       | 27      | YES       |
|            | 13      | YES       | 28      | YES       |
|            | 14      | YES       | 29      | YES       |
|            | 15      | YES       | 30      | YES       |

| Radar Type | Trial # | Detection | Trial # | Detection |
|------------|---------|-----------|---------|-----------|
|            |         | YES / NO  |         | YES / NO  |
| Type5      | 1       | YES       | 16      | YES       |
|            | 2       | YES       | 17      | YES       |
|            | 3       | NO        | 18      | YES       |
|            | 4       | YES       | 19      | YES       |
|            | 5       | YES       | 20      | YES       |
|            | 6       | YES       | 21      | YES       |
|            | 7       | YES       | 22      | YES       |
|            | 8       | YES       | 23      | NO        |
|            | 9       | NO        | 24      | YES       |
|            | 10      | YES       | 25      | YES       |
|            | 11      | YES       | 26      | YES       |
|            | 12      | YES       | 27      | YES       |
|            | 13      | YES       | 28      | YES       |
|            | 14      | YES       | 29      | YES       |
|            | 15      | YES       | 30      | YES       |
| Type6      | 1       | YES       | 16      | YES       |
|            | 2       | YES       | 17      | YES       |
|            | 3       | NO        | 18      | YES       |
|            | 4       | YES       | 19      | YES       |
|            | 5       | YES       | 20      | YES       |
|            | 6       | YES       | 21      | YES       |
|            | 7       | YES       | 22      | YES       |
|            | 8       | YES       | 23      | YES       |
|            | 9       | YES       | 24      | YES       |
|            | 10      | YES       | 25      | YES       |
|            | 11      | YES       | 26      | YES       |
|            | 12      | YES       | 27      | NO        |
|            | 13      | YES       | 28      | YES       |
|            | 14      | YES       | 29      | YES       |
|            | 15      | YES       | 30      | YES       |

### IEEE 802.11ac(VHT40) Mode

Table 1: Short Pulse Radar Test Waveforms.

| Radar Type                  | Pulse Width (μsec) | PRI (μsec)                                                                                                                                                                                                                                                            | Number of Pulses                                                                                                                | Pass times | Fail times | Percentage of Successful Detection (%) |
|-----------------------------|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|------------|------------|----------------------------------------|
| 1                           | 1                  | <p>Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a</p> <p>Test B: 15 unique PRI values randomly selected within the range of 518-3066 μsec, with a minimum increment of 1 μsec, excluding PRI values selected in Test A</p> | $\text{Roundup} \left\{ \left( \frac{1}{360} \right), \left( \frac{19 \cdot 10^6}{\text{PRI}_{\mu\text{sec}}} \right) \right\}$ | 25         | 5          | 83%                                    |
| 2                           | 1-5                | 150-230                                                                                                                                                                                                                                                               | 23-29                                                                                                                           | 26         | 4          | 87%                                    |
| 3                           | 6-10               | 200-500                                                                                                                                                                                                                                                               | 16-18                                                                                                                           | 26         | 4          | 87%                                    |
| 4                           | 11-20              | 200-500                                                                                                                                                                                                                                                               | 12-16                                                                                                                           | 23         | 7          | 77%                                    |
| Aggregate (Radar Types 1-4) |                    |                                                                                                                                                                                                                                                                       |                                                                                                                                 | 100        | 20         | 83%                                    |

Table 2: Long Pulse Radar Test Waveform

| Radar Type | Pulse Width (μsec) | Chirp Width (MHz) | PRI (μsec) | Number of Pulses Per Burst | Number of Bursts | Pass times | Fail times | Percentage of Successful Detection (%) |
|------------|--------------------|-------------------|------------|----------------------------|------------------|------------|------------|----------------------------------------|
| 5          | 50-100             | 5-20              | 1000-2000  | 1-3                        | 8-20             | 25         | 5          | 83%                                    |

Table 3: Frequency Hopping Radar Test Waveform

| Radar Type | Pulse Width (μsec) | PRI (μsec) | Pulses per Hop | Hopping Rate (kHz) | Hopping Sequence Length (msec) | Pass times | Fail times | Percentage of Successful Detection (%) |
|------------|--------------------|------------|----------------|--------------------|--------------------------------|------------|------------|----------------------------------------|
| 6          | 1                  | 333        | 9              | 0.333              | 300                            | 27         | 3          | 90%                                    |

| Radar Type | Trial # | Detection | Trial # | Detection |
|------------|---------|-----------|---------|-----------|
|            |         | YES / NO  |         | YES / NO  |
| Type1      | 1       | YES       | 16      | YES       |
|            | 2       | YES       | 17      | YES       |
|            | 3       | YES       | 18      | NO        |
|            | 4       | NO        | 19      | YES       |
|            | 5       | YES       | 20      | YES       |
|            | 6       | YES       | 21      | YES       |
|            | 7       | YES       | 22      | YES       |
|            | 8       | YES       | 23      | YES       |
|            | 9       | YES       | 24      | NO        |
|            | 10      | YES       | 25      | YES       |
|            | 11      | YES       | 26      | NO        |
|            | 12      | NO        | 27      | YES       |
|            | 13      | YES       | 28      | YES       |
|            | 14      | YES       | 29      | YES       |
|            | 15      | YES       | 30      | YES       |
| Type2      | 1       | YES       | 16      | YES       |
|            | 2       | YES       | 17      | YES       |
|            | 3       | YES       | 18      | YES       |
|            | 4       | YES       | 19      | NO        |
|            | 5       | NO        | 20      | YES       |
|            | 6       | YES       | 21      | YES       |
|            | 7       | YES       | 22      | YES       |
|            | 8       | YES       | 23      | YES       |
|            | 9       | YES       | 24      | YES       |
|            | 10      | YES       | 25      | YES       |
|            | 11      | NO        | 26      | YES       |
|            | 12      | YES       | 27      | NO        |
|            | 13      | YES       | 28      | YES       |
|            | 14      | YES       | 29      | YES       |
|            | 15      | YES       | 30      | YES       |

| Radar Type | Trial # | Detection | Trial # | Detection |
|------------|---------|-----------|---------|-----------|
|            |         | YES / NO  |         | YES / NO  |
| Type3      | 1       | YES       | 16      | YES       |
|            | 2       | NO        | 17      | YES       |
|            | 3       | YES       | 18      | YES       |
|            | 4       | YES       | 19      | YES       |
|            | 5       | YES       | 20      | YES       |
|            | 6       | YES       | 21      | YES       |
|            | 7       | YES       | 22      | NO        |
|            | 8       | NO        | 23      | YES       |
|            | 9       | YES       | 24      | YES       |
|            | 10      | YES       | 25      | YES       |
|            | 11      | YES       | 26      | YES       |
|            | 12      | NO        | 27      | YES       |
|            | 13      | YES       | 28      | YES       |
|            | 14      | YES       | 29      | YES       |
|            | 15      | YES       | 30      | YES       |
| Type4      | 1       | YES       | 16      | YES       |
|            | 2       | YES       | 17      | NO        |
|            | 3       | NO        | 18      | YES       |
|            | 4       | YES       | 19      | YES       |
|            | 5       | YES       | 20      | NO        |
|            | 6       | YES       | 21      | YES       |
|            | 7       | NO        | 22      | YES       |
|            | 8       | YES       | 23      | YES       |
|            | 9       | YES       | 24      | NO        |
|            | 10      | YES       | 25      | YES       |
|            | 11      | YES       | 26      | YES       |
|            | 12      | NO        | 27      | YES       |
|            | 13      | YES       | 28      | YES       |
|            | 14      | YES       | 29      | YES       |
|            | 15      | YES       | 30      | NO        |

| Radar Type | Trial # | Detection | Trial # | Detection |
|------------|---------|-----------|---------|-----------|
|            |         | YES / NO  |         | YES / NO  |
| Type5      | 1       | YES       | 16      | YES       |
|            | 2       | YES       | 17      | YES       |
|            | 3       | YES       | 18      | NO        |
|            | 4       | NO        | 19      | YES       |
|            | 5       | YES       | 20      | YES       |
|            | 6       | YES       | 21      | YES       |
|            | 7       | YES       | 22      | YES       |
|            | 8       | YES       | 23      | NO        |
|            | 9       | NO        | 24      | YES       |
|            | 10      | YES       | 25      | YES       |
|            | 11      | YES       | 26      | YES       |
|            | 12      | YES       | 27      | YES       |
|            | 13      | YES       | 28      | NO        |
|            | 14      | YES       | 29      | YES       |
|            | 15      | YES       | 30      | YES       |
| Type6      | 1       | YES       | 16      | YES       |
|            | 2       | YES       | 17      | YES       |
|            | 3       | YES       | 18      | YES       |
|            | 4       | YES       | 19      | YES       |
|            | 5       | YES       | 20      | YES       |
|            | 6       | YES       | 21      | YES       |
|            | 7       | NO        | 22      | YES       |
|            | 8       | YES       | 23      | YES       |
|            | 9       | YES       | 24      | YES       |
|            | 10      | YES       | 25      | YES       |
|            | 11      | YES       | 26      | YES       |
|            | 12      | YES       | 27      | NO        |
|            | 13      | YES       | 28      | YES       |
|            | 14      | NO        | 29      | YES       |
|            | 15      | YES       | 30      | YES       |

### IEEE 802.11ax(HE80) Mode

Table 1: Short Pulse Radar Test Waveforms.

| Radar Type                  | Pulse Width (μsec) | PRI (μsec)                                                                                                                                                                                                                                                            | Number of Pulses                                                                                                                | Pass times | Fail times | Percentage of Successful Detection (%) |
|-----------------------------|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|------------|------------|----------------------------------------|
| 1                           | 1                  | <p>Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a</p> <p>Test B: 15 unique PRI values randomly selected within the range of 518-3066 μsec, with a minimum increment of 1 μsec, excluding PRI values selected in Test A</p> | $\text{Roundup} \left\{ \left( \frac{1}{360} \right), \left( \frac{19 \cdot 10^6}{\text{PRI}_{\mu\text{sec}}} \right) \right\}$ | 26         | 4          | 87%                                    |
| 2                           | 1-5                | 150-230                                                                                                                                                                                                                                                               | 23-29                                                                                                                           | 26         | 4          | 87%                                    |
| 3                           | 6-10               | 200-500                                                                                                                                                                                                                                                               | 16-18                                                                                                                           | 27         | 3          | 90%                                    |
| 4                           | 11-20              | 200-500                                                                                                                                                                                                                                                               | 12-16                                                                                                                           | 27         | 3          | 90%                                    |
| Aggregate (Radar Types 1-4) |                    |                                                                                                                                                                                                                                                                       |                                                                                                                                 | 106        | 14         | 88%                                    |

Table 2: Long Pulse Radar Test Waveform

| Radar Type | Pulse Width (μsec) | Chirp Width (MHz) | PRI (μsec) | Number of Pulses Per Burst | Number of Bursts | Pass times | Fail times | Percentage of Successful Detection (%) |
|------------|--------------------|-------------------|------------|----------------------------|------------------|------------|------------|----------------------------------------|
| 5          | 50-100             | 5-20              | 1000-2000  | 1-3                        | 8-20             | 28         | 2          | 93%                                    |

Table 3: Frequency Hopping Radar Test Waveform

| Radar Type | Pulse Width (μsec) | PRI (μsec) | Pulses per Hop | Hopping Rate (kHz) | Hopping Sequence Length (msec) | Pass times | Fail times | Percentage of Successful Detection (%) |
|------------|--------------------|------------|----------------|--------------------|--------------------------------|------------|------------|----------------------------------------|
| 6          | 1                  | 333        | 9              | 0.333              | 300                            | 27         | 3          | 90%                                    |

| Radar Type | Trial # | Detection | Trial # | Detection |
|------------|---------|-----------|---------|-----------|
|            |         | YES / NO  |         | YES / NO  |
| Type1      | 1       | YES       | 16      | YES       |
|            | 2       | YES       | 17      | YES       |
|            | 3       | YES       | 18      | YES       |
|            | 4       | YES       | 19      | YES       |
|            | 5       | NO        | 20      | NO        |
|            | 6       | YES       | 21      | YES       |
|            | 7       | YES       | 22      | YES       |
|            | 8       | YES       | 23      | YES       |
|            | 9       | YES       | 24      | YES       |
|            | 10      | NO        | 25      | YES       |
|            | 11      | YES       | 26      | YES       |
|            | 12      | YES       | 27      | YES       |
|            | 13      | YES       | 28      | NO        |
|            | 14      | YES       | 29      | YES       |
|            | 15      | YES       | 30      | YES       |
| Type2      | 1       | YES       | 16      | YES       |
|            | 2       | YES       | 17      | YES       |
|            | 3       | YES       | 18      | NO        |
|            | 4       | YES       | 19      | YES       |
|            | 5       | YES       | 20      | YES       |
|            | 6       | NO        | 21      | YES       |
|            | 7       | YES       | 22      | NO        |
|            | 8       | YES       | 23      | YES       |
|            | 9       | YES       | 24      | YES       |
|            | 10      | YES       | 25      | NO        |
|            | 11      | YES       | 26      | YES       |
|            | 12      | YES       | 27      | YES       |
|            | 13      | YES       | 28      | YES       |
|            | 14      | YES       | 29      | YES       |
|            | 15      | YES       | 30      | YES       |

| Radar Type | Trial # | Detection | Trial # | Detection |
|------------|---------|-----------|---------|-----------|
|            |         | YES / NO  |         | YES / NO  |
| Type3      | 1       | YES       | 16      | YES       |
|            | 2       | YES       | 17      | NO        |
|            | 3       | YES       | 18      | YES       |
|            | 4       | NO        | 19      | YES       |
|            | 5       | YES       | 20      | YES       |
|            | 6       | YES       | 21      | YES       |
|            | 7       | YES       | 22      | YES       |
|            | 8       | YES       | 23      | YES       |
|            | 9       | YES       | 24      | NO        |
|            | 10      | YES       | 25      | YES       |
|            | 11      | YES       | 26      | YES       |
|            | 12      | YES       | 27      | YES       |
|            | 13      | YES       | 28      | YES       |
|            | 14      | YES       | 29      | YES       |
|            | 15      | YES       | 30      | YES       |
| Type4      | 1       | YES       | 16      | YES       |
|            | 2       | YES       | 17      | YES       |
|            | 3       | YES       | 18      | YES       |
|            | 4       | YES       | 19      | YES       |
|            | 5       | YES       | 20      | YES       |
|            | 6       | YES       | 21      | YES       |
|            | 7       | NO        | 22      | YES       |
|            | 8       | YES       | 23      | YES       |
|            | 9       | YES       | 24      | YES       |
|            | 10      | YES       | 25      | YES       |
|            | 11      | YES       | 26      | NO        |
|            | 12      | YES       | 27      | YES       |
|            | 13      | YES       | 28      | YES       |
|            | 14      | NO        | 29      | YES       |
|            | 15      | YES       | 30      | YES       |

| Radar Type | Trial # | Detection | Trial # | Detection |
|------------|---------|-----------|---------|-----------|
|            |         | YES / NO  |         | YES / NO  |
| Type5      | 1       | YES       | 16      | YES       |
|            | 2       | YES       | 17      | YES       |
|            | 3       | YES       | 18      | YES       |
|            | 4       | YES       | 19      | YES       |
|            | 5       | YES       | 20      | YES       |
|            | 6       | YES       | 21      | YES       |
|            | 7       | YES       | 22      | NO        |
|            | 8       | YES       | 23      | YES       |
|            | 9       | YES       | 24      | YES       |
|            | 10      | YES       | 25      | YES       |
|            | 11      | YES       | 26      | YES       |
|            | 12      | NO        | 27      | YES       |
|            | 13      | YES       | 28      | YES       |
|            | 14      | YES       | 29      | YES       |
|            | 15      | YES       | 30      | YES       |
| Type6      | 1       | YES       | 16      | YES       |
|            | 2       | YES       | 17      | YES       |
|            | 3       | YES       | 18      | YES       |
|            | 4       | YES       | 19      | YES       |
|            | 5       | YES       | 20      | YES       |
|            | 6       | YES       | 21      | YES       |
|            | 7       | YES       | 22      | YES       |
|            | 8       | YES       | 23      | YES       |
|            | 9       | YES       | 24      | YES       |
|            | 10      | NO        | 25      | YES       |
|            | 11      | YES       | 26      | YES       |
|            | 12      | NO        | 27      | YES       |
|            | 13      | YES       | 28      | YES       |
|            | 14      | YES       | 29      | NO        |
|            | 15      | YES       | 30      | YES       |

**IEEE 802.11be(EHT160) Mode**  
Table 1: Short Pulse Radar Test Waveforms.

| Radar Type                  | Pulse Width (μsec) | PRI (μsec)                                                                                                                                                                                                                                                            | Number of Pulses                                                                                                                | Pass times | Fail times | Percentage of Successful Detection (%) |
|-----------------------------|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|------------|------------|----------------------------------------|
| 1                           | 1                  | <p>Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a</p> <p>Test B: 15 unique PRI values randomly selected within the range of 518-3066 μsec, with a minimum increment of 1 μsec, excluding PRI values selected in Test A</p> | $\text{Roundup} \left\{ \left( \frac{1}{360} \right), \left( \frac{19 \cdot 10^6}{\text{PRI}_{\mu\text{sec}}} \right) \right\}$ | 26         | 4          | 87%                                    |
| 2                           | 1-5                | 150-230                                                                                                                                                                                                                                                               | 23-29                                                                                                                           | 26         | 4          | 87%                                    |
| 3                           | 6-10               | 200-500                                                                                                                                                                                                                                                               | 16-18                                                                                                                           | 25         | 5          | 83%                                    |
| 4                           | 11-20              | 200-500                                                                                                                                                                                                                                                               | 12-16                                                                                                                           | 26         | 4          | 87%                                    |
| Aggregate (Radar Types 1-4) |                    |                                                                                                                                                                                                                                                                       |                                                                                                                                 | 103        | 17         | 86%                                    |

Table 2: Long Pulse Radar Test Waveform

| Radar Type | Pulse Width (μsec) | Chirp Width (MHz) | PRI (μsec) | Number of Pulses Per Burst | Number of Bursts | Pass times | Fail times | Percentage of Successful Detection (%) |
|------------|--------------------|-------------------|------------|----------------------------|------------------|------------|------------|----------------------------------------|
| 5          | 50-100             | 5-20              | 1000-2000  | 1-3                        | 8-20             | 26         | 4          | 87%                                    |

Table 3: Frequency Hopping Radar Test Waveform

| Radar Type | Pulse Width (μsec) | PRI (μsec) | Pulses per Hop | Hopping Rate (kHz) | Hopping Sequence Length (msec) | Pass times | Fail times | Percentage of Successful Detection (%) |
|------------|--------------------|------------|----------------|--------------------|--------------------------------|------------|------------|----------------------------------------|
| 6          | 1                  | 333        | 9              | 0.333              | 300                            | 25         | 5          | 83%                                    |

| Radar Type | Trial # | Detection | Trial # | Detection |
|------------|---------|-----------|---------|-----------|
|            |         | YES / NO  |         | YES / NO  |
| Type1      | 1       | YES       | 16      | YES       |
|            | 2       | YES       | 17      | NO        |
|            | 3       | YES       | 18      | YES       |
|            | 4       | YES       | 19      | YES       |
|            | 5       | YES       | 20      | YES       |
|            | 6       | YES       | 21      | YES       |
|            | 7       | YES       | 22      | YES       |
|            | 8       | YES       | 23      | YES       |
|            | 9       | YES       | 24      | YES       |
|            | 10      | NO        | 25      | YES       |
|            | 11      | YES       | 26      | YES       |
|            | 12      | YES       | 27      | YES       |
|            | 13      | YES       | 28      | NO        |
|            | 14      | NO        | 29      | YES       |
|            | 15      | YES       | 30      | YES       |
| Type2      | 1       | YES       | 16      | YES       |
|            | 2       | YES       | 17      | YES       |
|            | 3       | NO        | 18      | YES       |
|            | 4       | YES       | 19      | NO        |
|            | 5       | YES       | 20      | YES       |
|            | 6       | YES       | 21      | YES       |
|            | 7       | YES       | 22      | YES       |
|            | 8       | NO        | 23      | YES       |
|            | 9       | YES       | 24      | YES       |
|            | 10      | YES       | 25      | YES       |
|            | 11      | YES       | 26      | YES       |
|            | 12      | YES       | 27      | YES       |
|            | 13      | NO        | 28      | YES       |
|            | 14      | YES       | 29      | YES       |
|            | 15      | YES       | 30      | YES       |

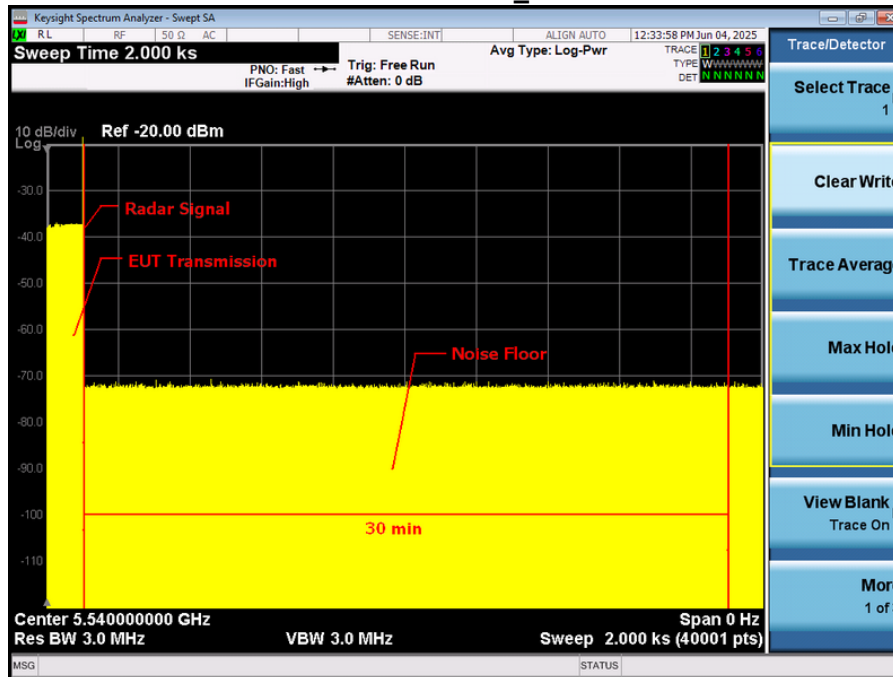
| Radar Type | Trial # | Detection | Trial # | Detection |
|------------|---------|-----------|---------|-----------|
|            |         | YES / NO  |         | YES / NO  |
| Type3      | 1       | YES       | 16      | YES       |
|            | 2       | YES       | 17      | YES       |
|            | 3       | YES       | 18      | NO        |
|            | 4       | YES       | 19      | YES       |
|            | 5       | YES       | 20      | YES       |
|            | 6       | NO        | 21      | YES       |
|            | 7       | YES       | 22      | YES       |
|            | 8       | YES       | 23      | NO        |
|            | 9       | YES       | 24      | YES       |
|            | 10      | YES       | 25      | YES       |
|            | 11      | NO        | 26      | YES       |
|            | 12      | YES       | 27      | YES       |
|            | 13      | YES       | 28      | NO        |
|            | 14      | YES       | 29      | YES       |
|            | 15      | YES       | 30      | YES       |
| Type4      | 1       | YES       | 16      | YES       |
|            | 2       | YES       | 17      | YES       |
|            | 3       | YES       | 18      | NO        |
|            | 4       | NO        | 19      | YES       |
|            | 5       | YES       | 20      | YES       |
|            | 6       | YES       | 21      | YES       |
|            | 7       | YES       | 22      | YES       |
|            | 8       | YES       | 23      | NO        |
|            | 9       | YES       | 24      | YES       |
|            | 10      | YES       | 25      | YES       |
|            | 11      | NO        | 26      | YES       |
|            | 12      | YES       | 27      | YES       |
|            | 13      | YES       | 28      | YES       |
|            | 14      | YES       | 29      | YES       |
|            | 15      | YES       | 30      | YES       |

| Radar Type | Trial # | Detection | Trial # | Detection |
|------------|---------|-----------|---------|-----------|
|            |         | YES / NO  |         | YES / NO  |
| Type5      | 1       | YES       | 16      | YES       |
|            | 2       | YES       | 17      | YES       |
|            | 3       | NO        | 18      | NO        |
|            | 4       | YES       | 19      | YES       |
|            | 5       | YES       | 20      | YES       |
|            | 6       | YES       | 21      | YES       |
|            | 7       | YES       | 22      | YES       |
|            | 8       | YES       | 23      | YES       |
|            | 9       | YES       | 24      | YES       |
|            | 10      | YES       | 25      | YES       |
|            | 11      | YES       | 26      | YES       |
|            | 12      | YES       | 27      | YES       |
|            | 13      | YES       | 28      | YES       |
|            | 14      | NO        | 29      | NO        |
|            | 15      | YES       | 30      | YES       |
| Type6      | 1       | YES       | 16      | YES       |
|            | 2       | YES       | 17      | YES       |
|            | 3       | NO        | 18      | YES       |
|            | 4       | YES       | 19      | NO        |
|            | 5       | YES       | 20      | YES       |
|            | 6       | YES       | 21      | YES       |
|            | 7       | YES       | 22      | YES       |
|            | 8       | YES       | 23      | YES       |
|            | 9       | YES       | 24      | YES       |
|            | 10      | YES       | 25      | NO        |
|            | 11      | YES       | 26      | YES       |
|            | 12      | YES       | 27      | YES       |
|            | 13      | YES       | 28      | YES       |
|            | 14      | NO        | 29      | YES       |
|            | 15      | YES       | 30      | NO        |

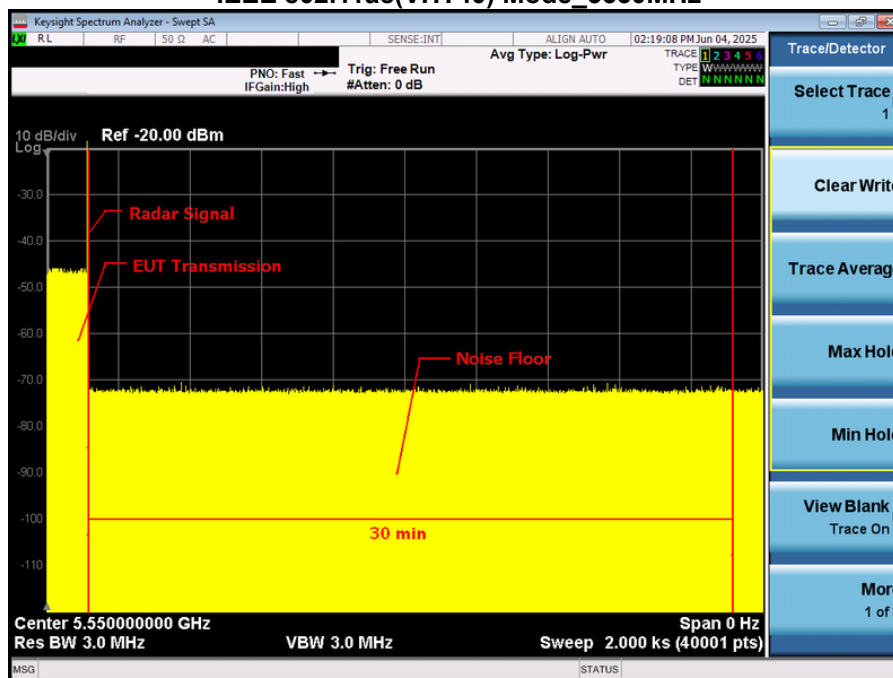
## 9.7 NON-OCCUPANCY PERIOD

During the 30 minutes observation time, UUT did not make any transmissions on a channel after a radar signal was detected on that channel by either the Channel Availability Check or the In-Service Monitoring.

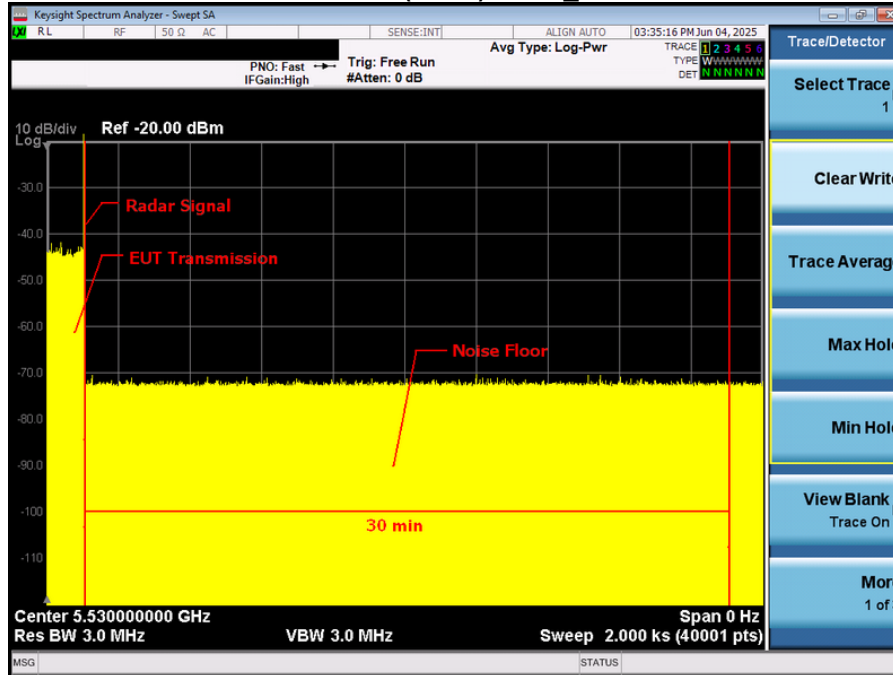
IEEE 802.11a Mode\_5540MHz



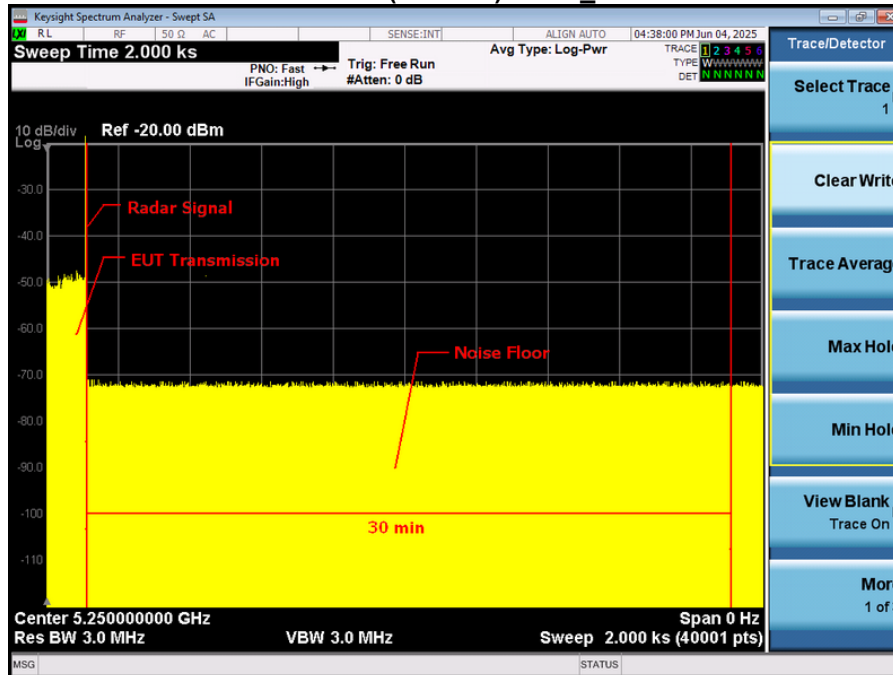
IEEE 802.11ac(VHT40) Mode\_5550MHz



### IEEE 802.11ax(HE80) Mode\_5530MHz

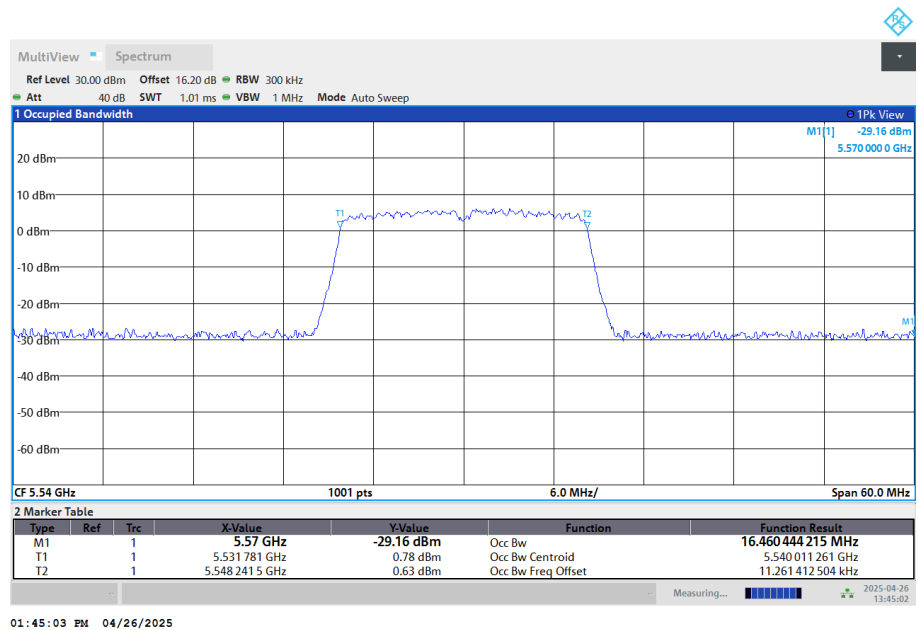


### IEEE 802.11be(EHT160) Mode\_5250MHz

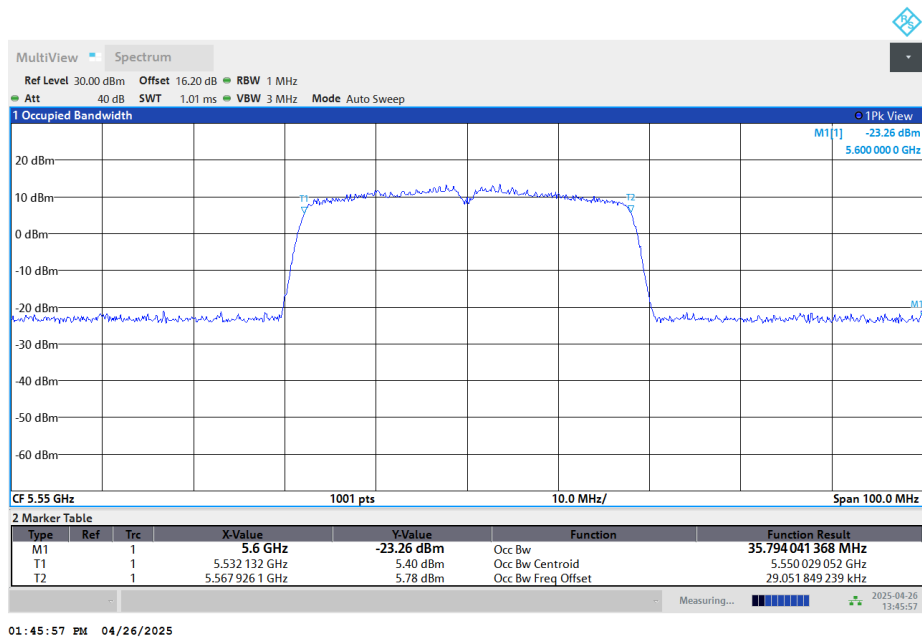


9.8 U-NII DETECTION BANDWIDTH

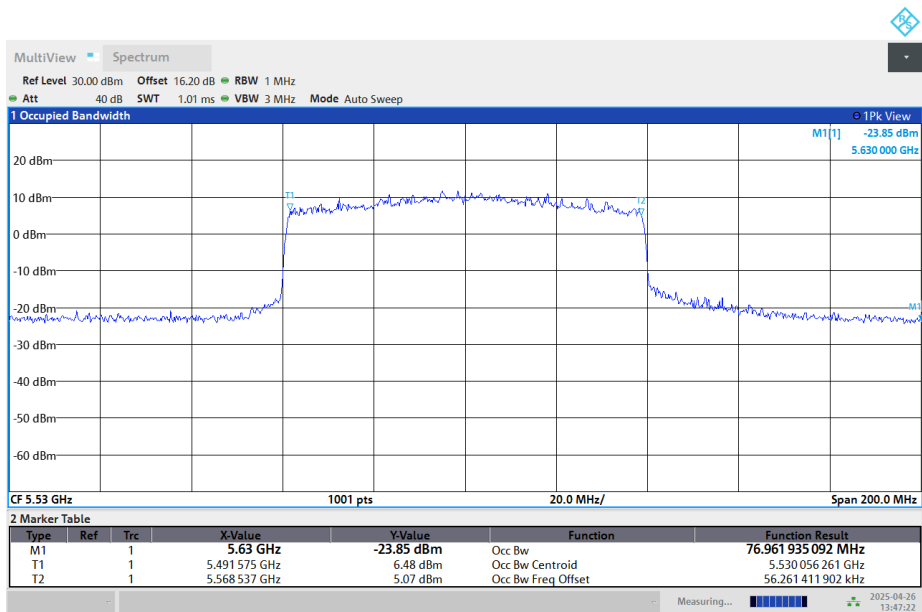
IEEE 802.11a Mode



IEEE 802.11ac(VHT40) Mode

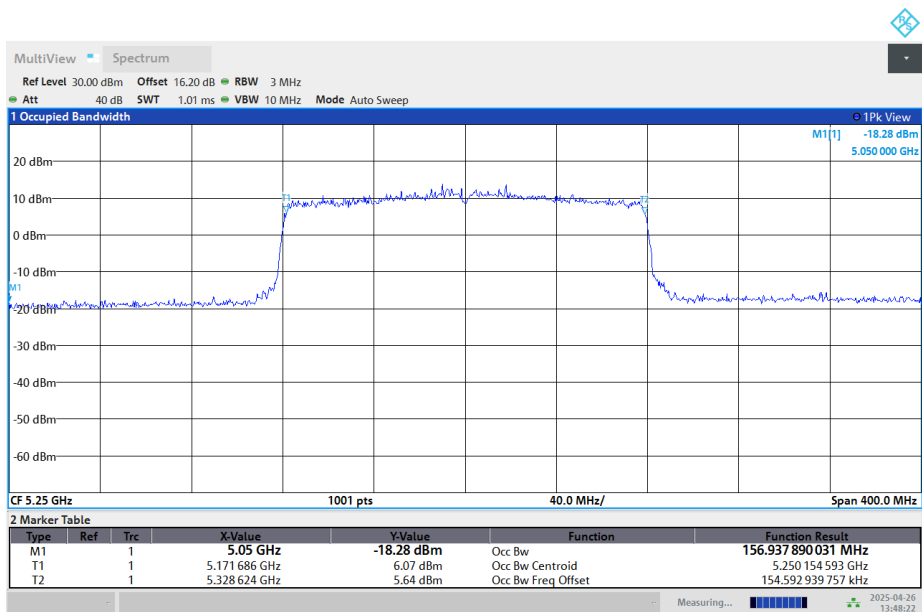


## IEEE 802.11ax(HE80) Mode



01:47:23 PM 04/26/2025

## IEEE 802.11be(EHT160) Mode



01:48:22 PM 04/26/2025

### IEEE 802.11a Mode

| Detection Bandwith test transmission 20M                |                                                     |   |   |   |   |   |   |   |   |    |                    |
|---------------------------------------------------------|-----------------------------------------------------|---|---|---|---|---|---|---|---|----|--------------------|
| EUT FREQUENCY                                           | 5540M                                               |   |   |   |   |   |   |   |   |    |                    |
| EUT power bandwith                                      | 16.46MHz                                            |   |   |   |   |   |   |   |   |    |                    |
| Detection Bandwith limit(100%of EUT 99% Power bandwith) | 18                                                  |   |   |   |   |   |   |   |   |    |                    |
| Detection Bandwith(5549(FH)-5531(FL))                   | 18                                                  |   |   |   |   |   |   |   |   |    |                    |
| Test Result                                             | PASS                                                |   |   |   |   |   |   |   |   |    |                    |
| Radar Freq (MHz)                                        | DFS Detection Trials (1=Detection, 0= No Detection) |   |   |   |   |   |   |   |   |    | Detection Rate (%) |
|                                                         | 1                                                   | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |                    |
| 5531(FL)                                                | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5535                                                    | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5540                                                    | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5545                                                    | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5549(FH)                                                | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |

### IEEE 802.11ac(VHT40) Mode

| Detection Bandwith test tranmission 40M                  |                                                     |   |   |   |   |   |   |   |   |    |                    |
|----------------------------------------------------------|-----------------------------------------------------|---|---|---|---|---|---|---|---|----|--------------------|
| EUT FREQUENCY                                            | 5550M                                               |   |   |   |   |   |   |   |   |    |                    |
| EUT power bandwidth                                      | 35.79MHZ                                            |   |   |   |   |   |   |   |   |    |                    |
| Detection Bandwith limit(100%of EUT 99% Power bandwidth) | 36                                                  |   |   |   |   |   |   |   |   |    |                    |
| Detection Bandwith(5568(FH)-5532(FL))                    | 36                                                  |   |   |   |   |   |   |   |   |    |                    |
| Test Result                                              | PASS                                                |   |   |   |   |   |   |   |   |    |                    |
| Radar Freq (MHz)                                         | DFS Detection Trials (1=Detection, 0= No Detection) |   |   |   |   |   |   |   |   |    | Detection Rate (%) |
|                                                          | 1                                                   | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |                    |
| 5532(FL)                                                 | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5535                                                     | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5540                                                     | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5545                                                     | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5550                                                     | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5555                                                     | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5560                                                     | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5565                                                     | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5568(FH)                                                 | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |

### IEEE 802.11ax(HE80) Mode

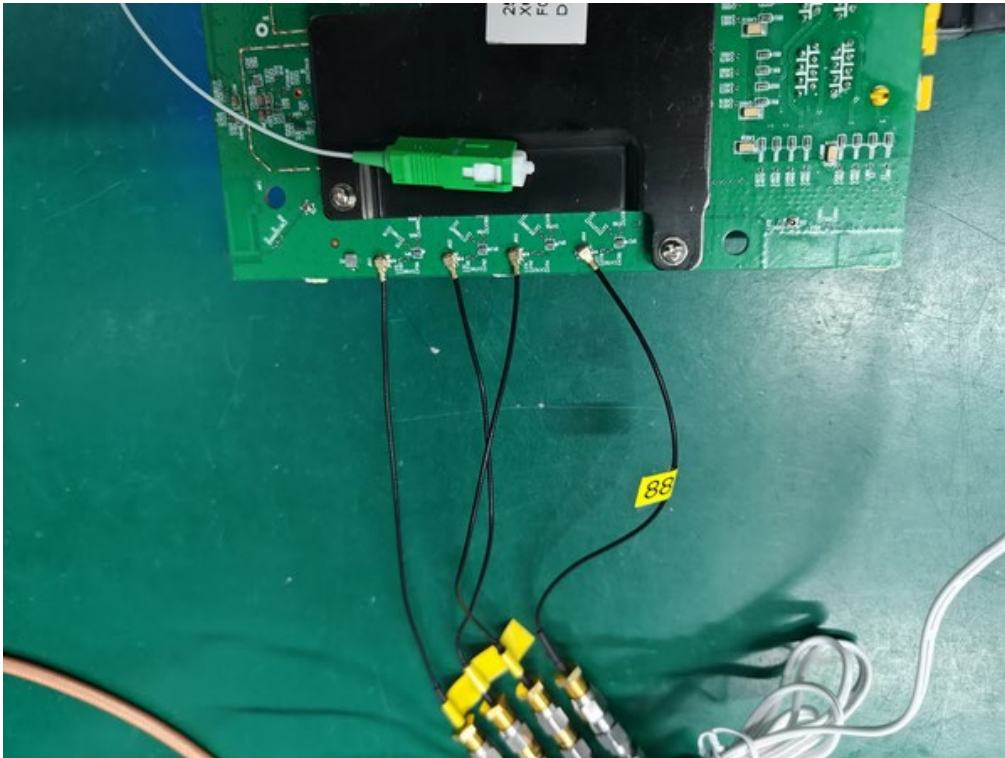
|                                                           |                                                     |   |   |   |   |   |   |   |   |    |                    |
|-----------------------------------------------------------|-----------------------------------------------------|---|---|---|---|---|---|---|---|----|--------------------|
| Detection Bandwidth test transmission                     | 80M                                                 |   |   |   |   |   |   |   |   |    |                    |
| EUT FREQUENCY                                             | 5530M                                               |   |   |   |   |   |   |   |   |    |                    |
| EUT power bandwidth                                       | 76.96MHz                                            |   |   |   |   |   |   |   |   |    |                    |
| Detection Bandwidth limit(100%of EUT 99% Power bandwidth) | 78                                                  |   |   |   |   |   |   |   |   |    |                    |
| Detection Bandwidth(5569(FH)-5491(FL))                    | 78                                                  |   |   |   |   |   |   |   |   |    |                    |
| Test Result                                               | PASS                                                |   |   |   |   |   |   |   |   |    |                    |
|                                                           | DFS Detection Trials (1=Detection, 0= No Detection) |   |   |   |   |   |   |   |   |    |                    |
| Radar Freq (MHz)                                          | 1                                                   | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | Detection Rate (%) |
| 5491(FL)                                                  | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5495                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5500                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5505                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5510                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 90                 |
| 5515                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5520                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5525                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5530                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5535                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5540                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5545                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5550                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5555                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5560                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1  | 90                 |
| 5565                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5569(FH)                                                  | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |

### IEEE 802.11be(EHT160) Mode

| Detection Bandwidth test transmission 160M                |                                                     |   |   |   |   |   |   |   |   |    |                    |
|-----------------------------------------------------------|-----------------------------------------------------|---|---|---|---|---|---|---|---|----|--------------------|
| EUT FREQUENCY                                             | 5250M                                               |   |   |   |   |   |   |   |   |    |                    |
| EUT power bandwidth                                       | 156.94MHz                                           |   |   |   |   |   |   |   |   |    |                    |
| Detection Bandwidth limit(100%of EUT 99% Power bandwidth) | 79                                                  |   |   |   |   |   |   |   |   |    |                    |
| Detection Bandwidth(5330(FH)-5251(FL))                    | 79                                                  |   |   |   |   |   |   |   |   |    |                    |
| Test Result                                               | PASS                                                |   |   |   |   |   |   |   |   |    |                    |
| Radar Freq (MHz)                                          | DFS Detection Trials (1=Detection, 0= No Detection) |   |   |   |   |   |   |   |   |    | Detection Rate (%) |
|                                                           | 1                                                   | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |                    |
| 5251 (FL)                                                 | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5255                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5260                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5265                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5270                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5275                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5280                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5285                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5290                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5295                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5300                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5305                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5310                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5315                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5320                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1  | 90                 |
| 5325                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5330(FH)                                                  | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |

## 10. EUT TEST PHOTO





**End of Test Report**