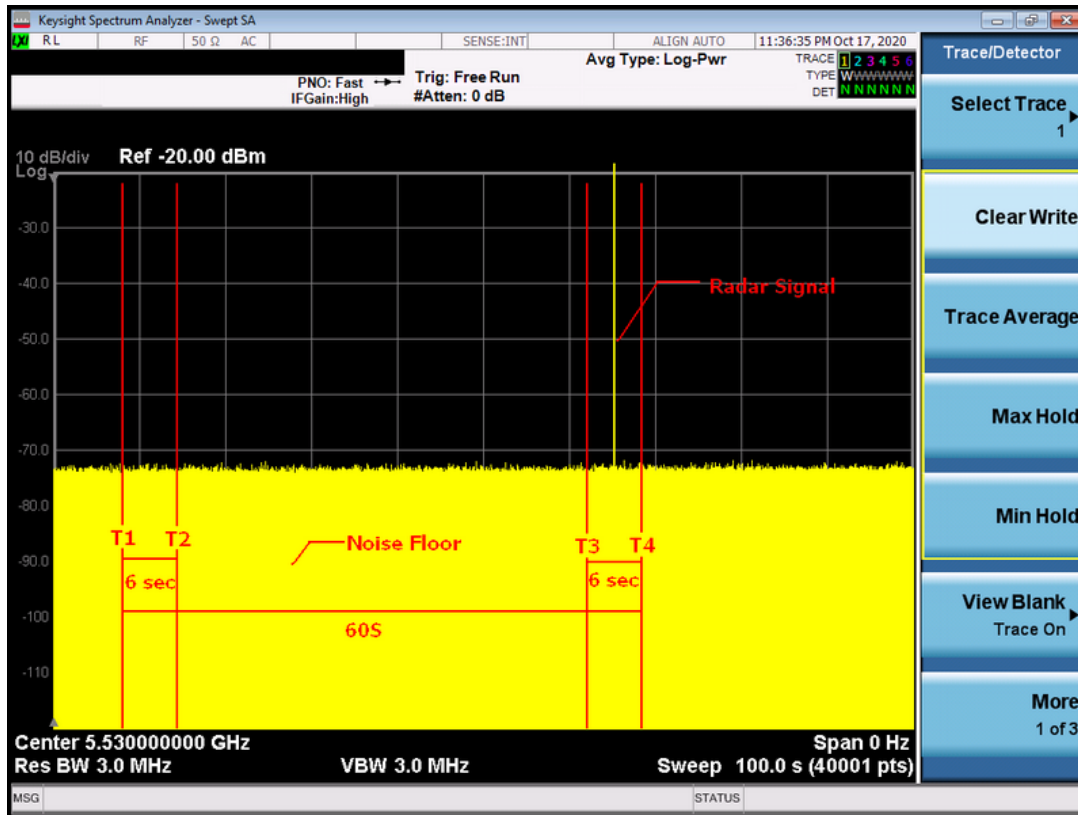


## IEEE 802.11ac (VHT80) Mode

Radar Burst at the End of the Channel Availability Check Time



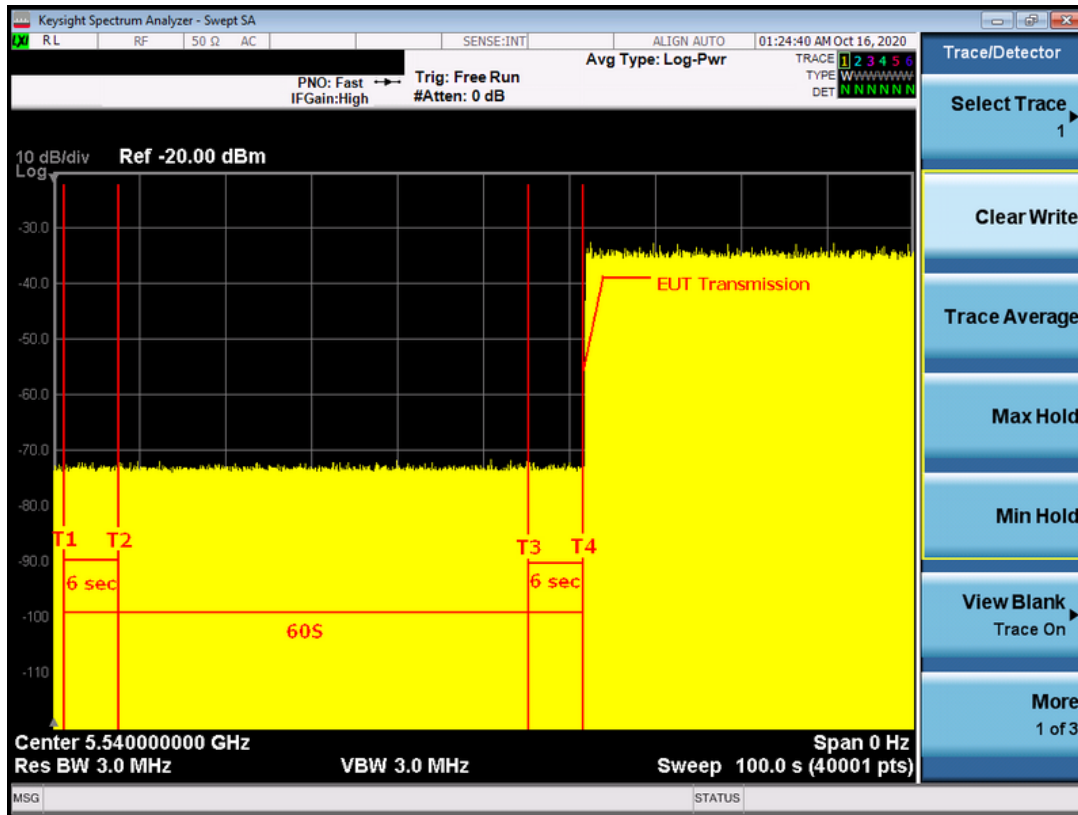
**Note:** T1 denotes the end of power up time period is 9 second.

T3 denotes 63 second and radar burst was commenced within 54 second to 60 second indow starting from the end of power-up sequence.

T4 denotes the 69 second.

## IEEE 802.11ax (HE20) Mode

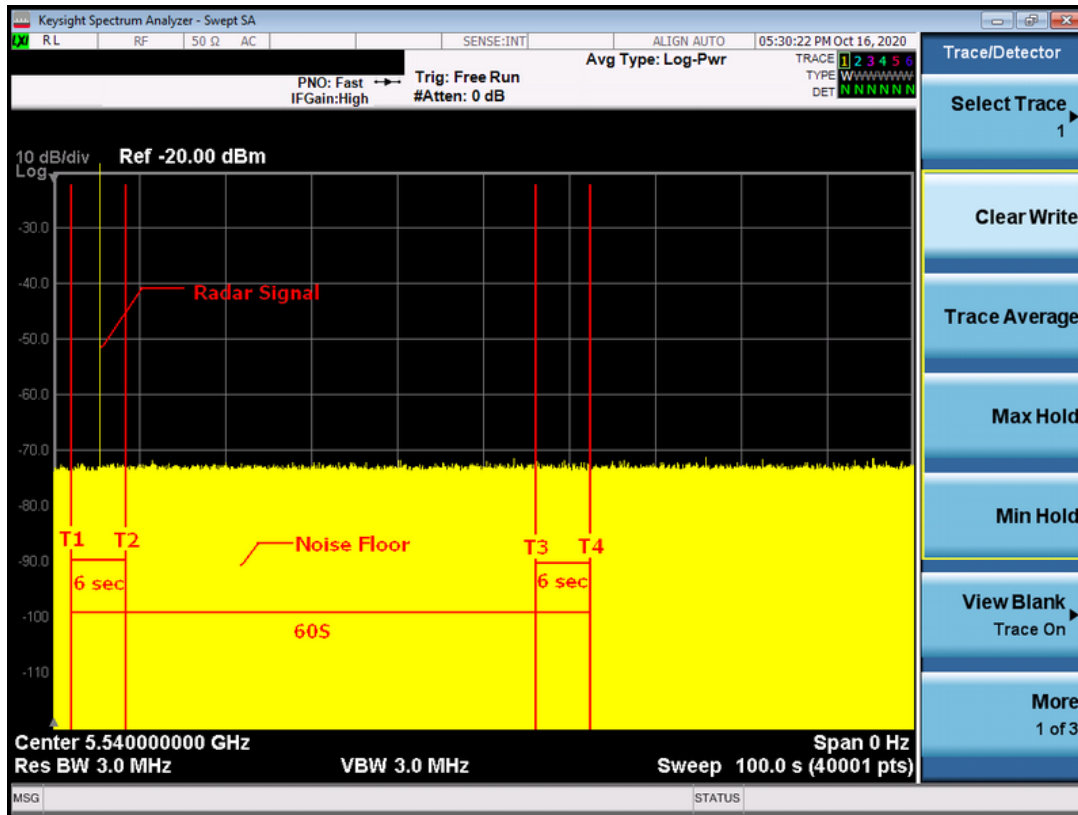
Initial Channel Availability Check Time



**Note:** T1 denotes the end of power-up time period is 0.5 second.  
T4 denotes the end of Channel Availability Check time is 60.5 second. Channel Availability Check time is equal to (T4 – T1) 60 seconds.

## IEEE 802.11ax (HE20) Mode

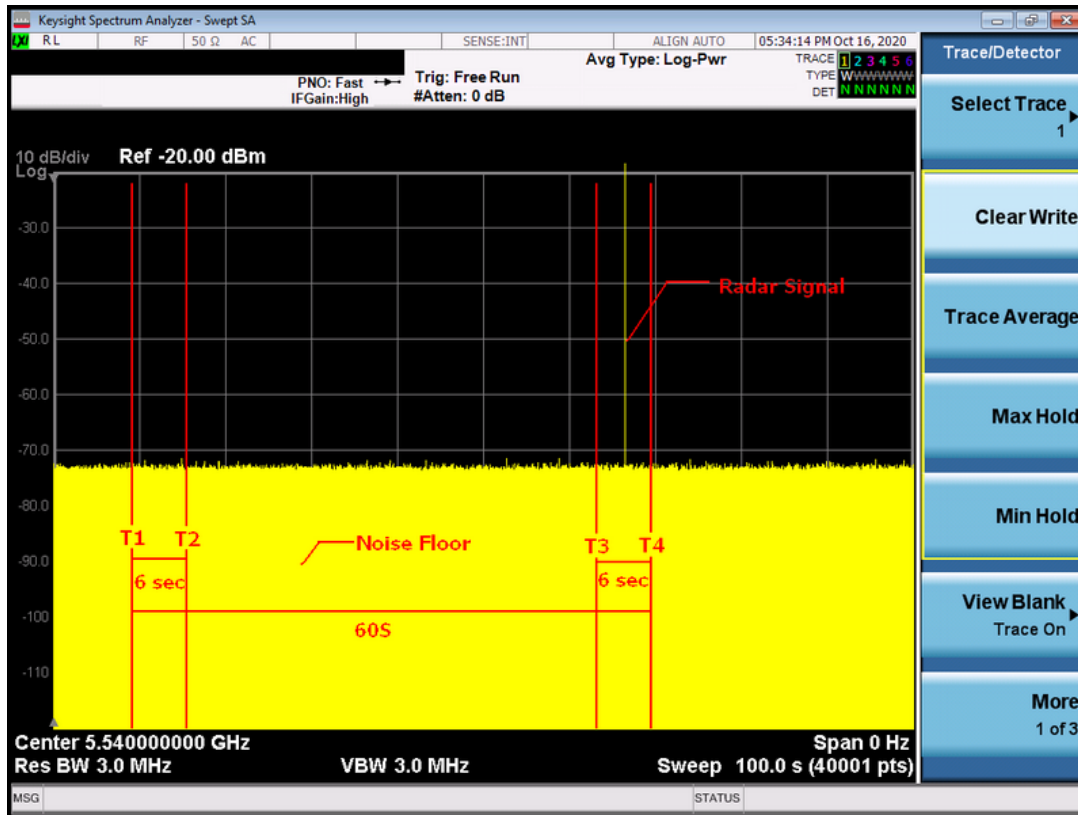
Radar Burst at the Beginning of the Channel Availability Check Time



**Note:** T1 denotes the end of power up time period is 1.5 second.  
T2 denotes 7.5 second. The radar burst was commenced within a 6 second window starting from the end of power-up sequence.  
T4 denotes the 61.5 second.

## IEEE 802.11ax (HE20) Mode

Radar Burst at the End of the Channel Availability Check Time



**Note:** T1 denotes the end of power up time period is 9.5 second.

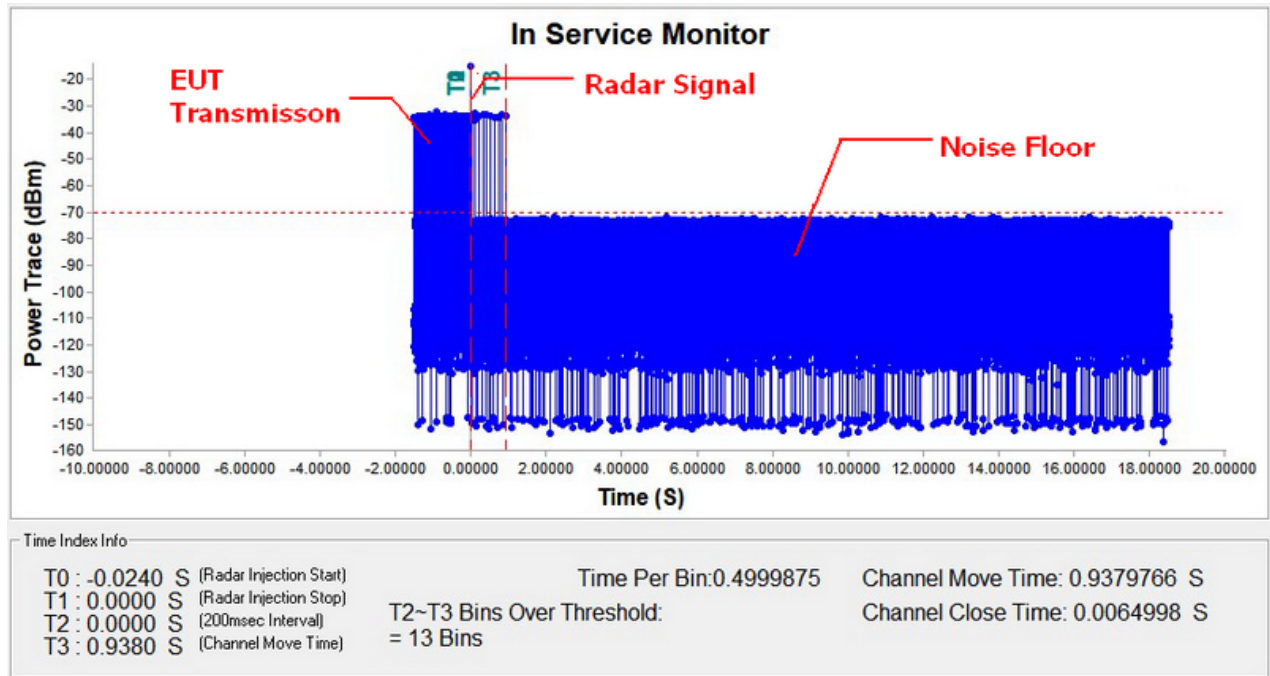
T3 denotes 63.5 second and radar burst was commenced within 54 second to 60 second indow starting from the end of power-up sequence.

T4 denotes the 69.5 second.

## 5.5 CHANNEL CLOSING TRANSMISSION AND CHANNEL MOVE TIME WLAN TRAFFIC

TX (IEEE 802.11a Mode)

Radar signal 0

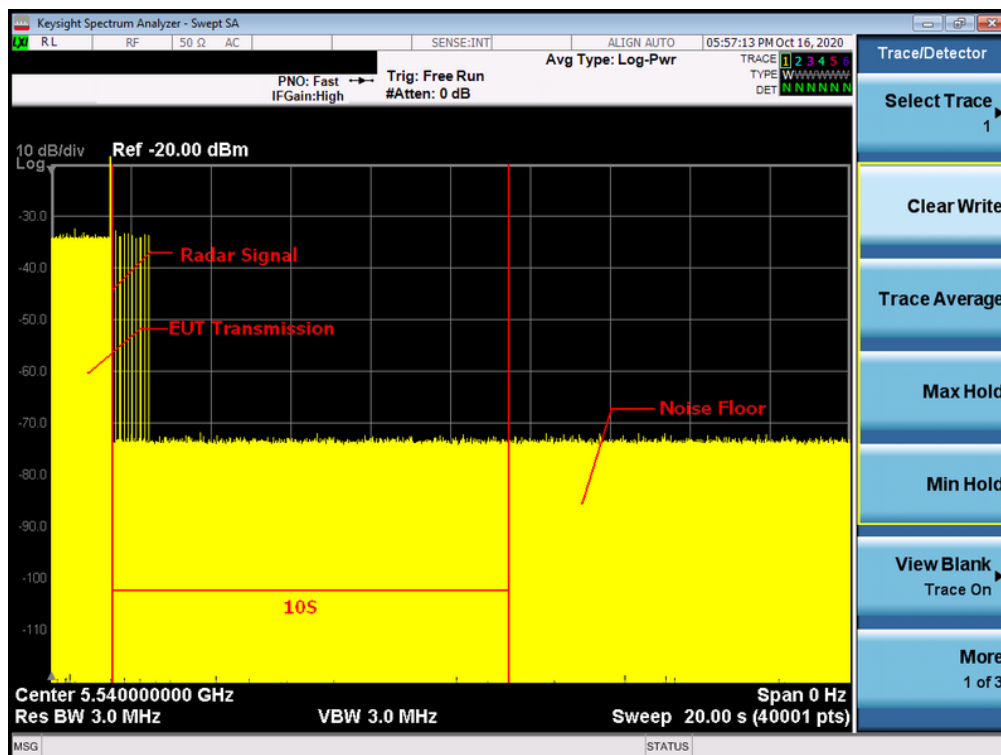


**Note:** T0 denotes the Radar Injection Start.

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.

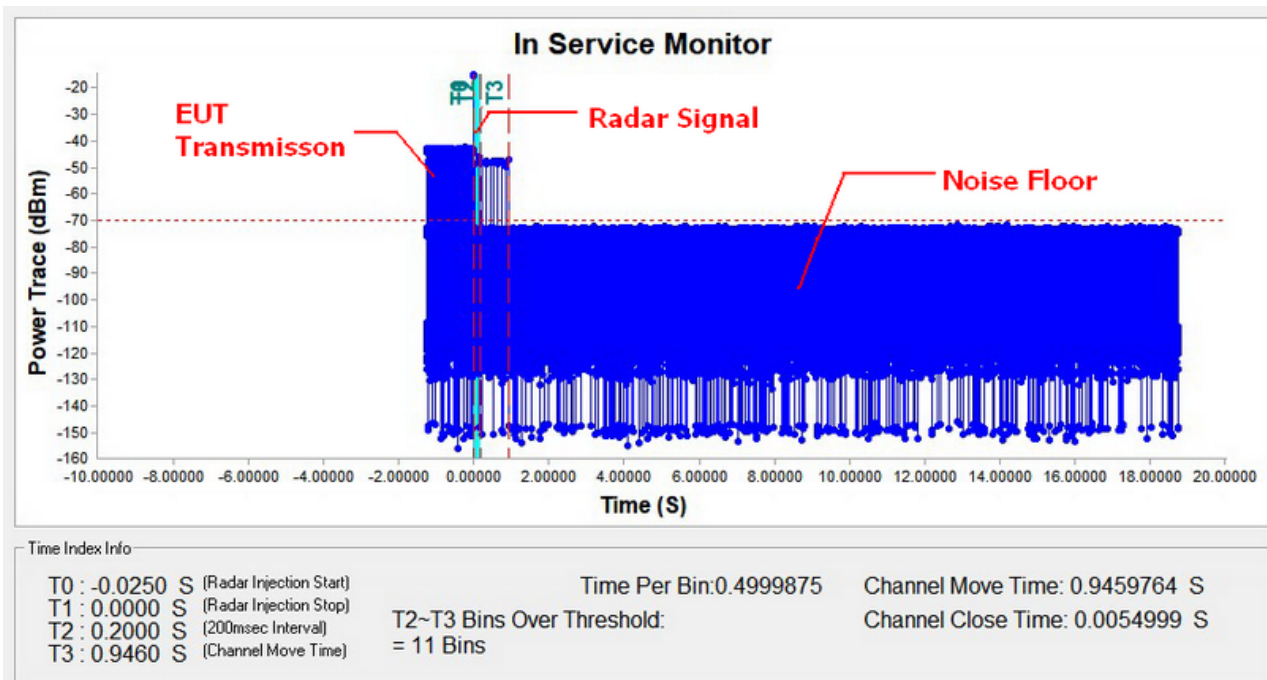
T3 denotes the end of Channel Move Time.



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

TX (IEEE 802.11n (HT40) Mode)

Radar signal 0

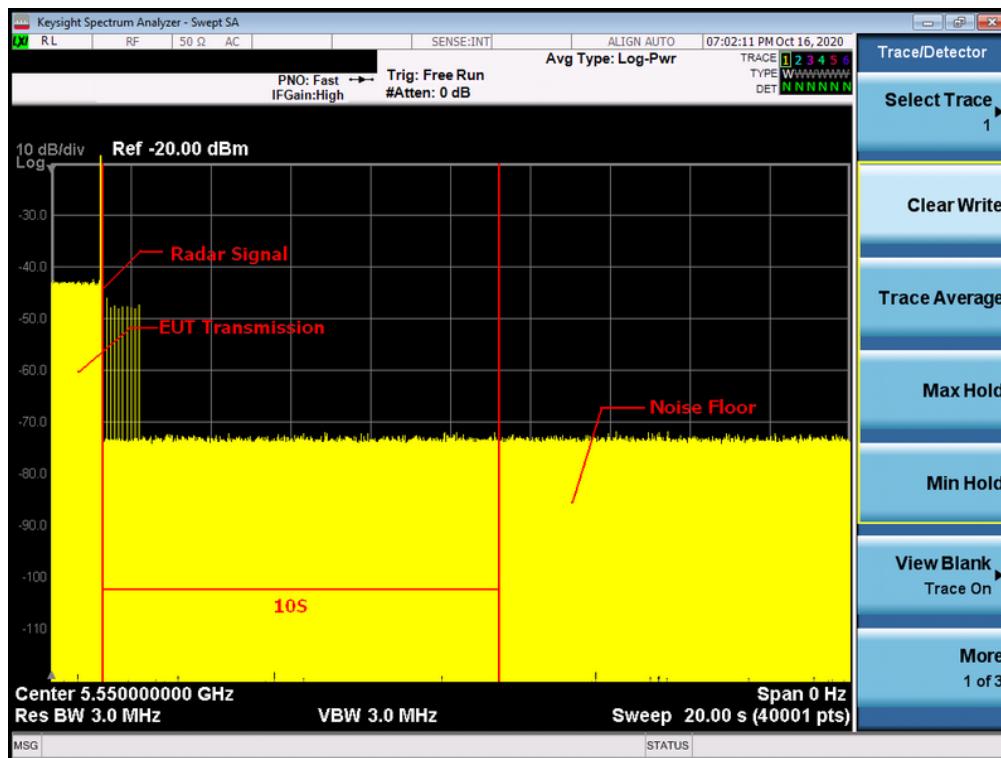


**Note:** T0 denotes the Radar Injection Start.

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.

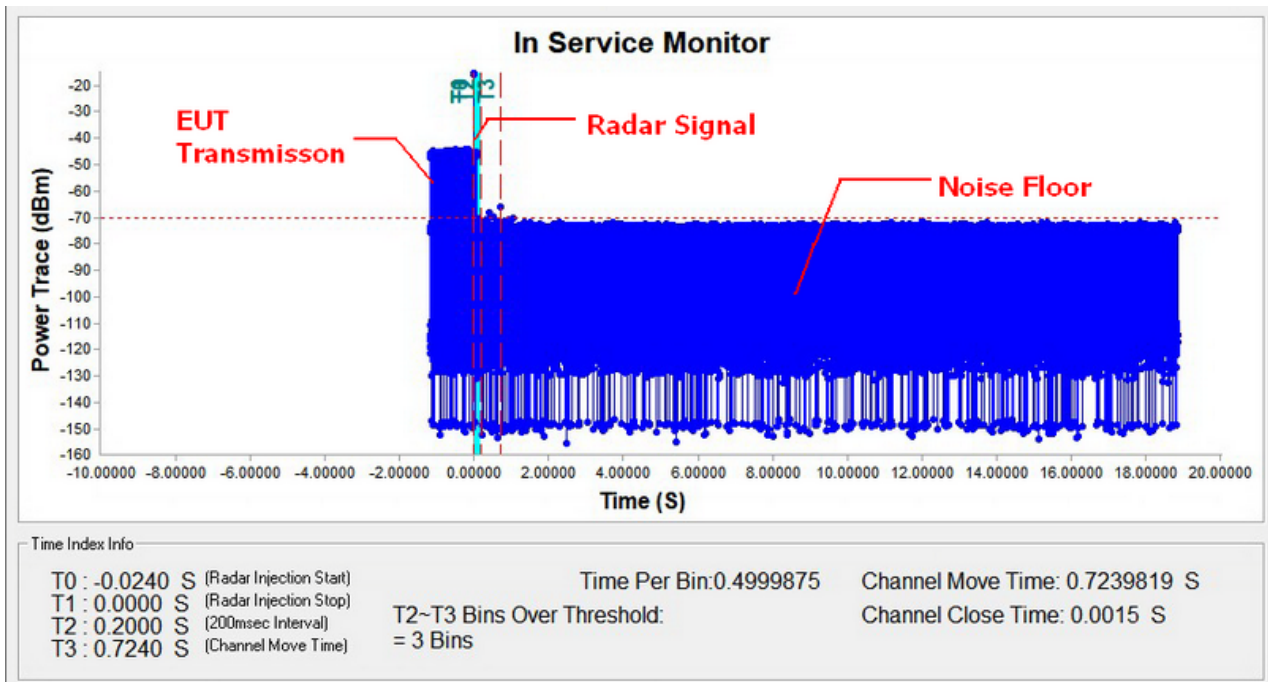
T3 denotes the end of Channel Move Time.



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

TX (IEEE 802.11ac (VHT80) Mode)

Radar signal 0

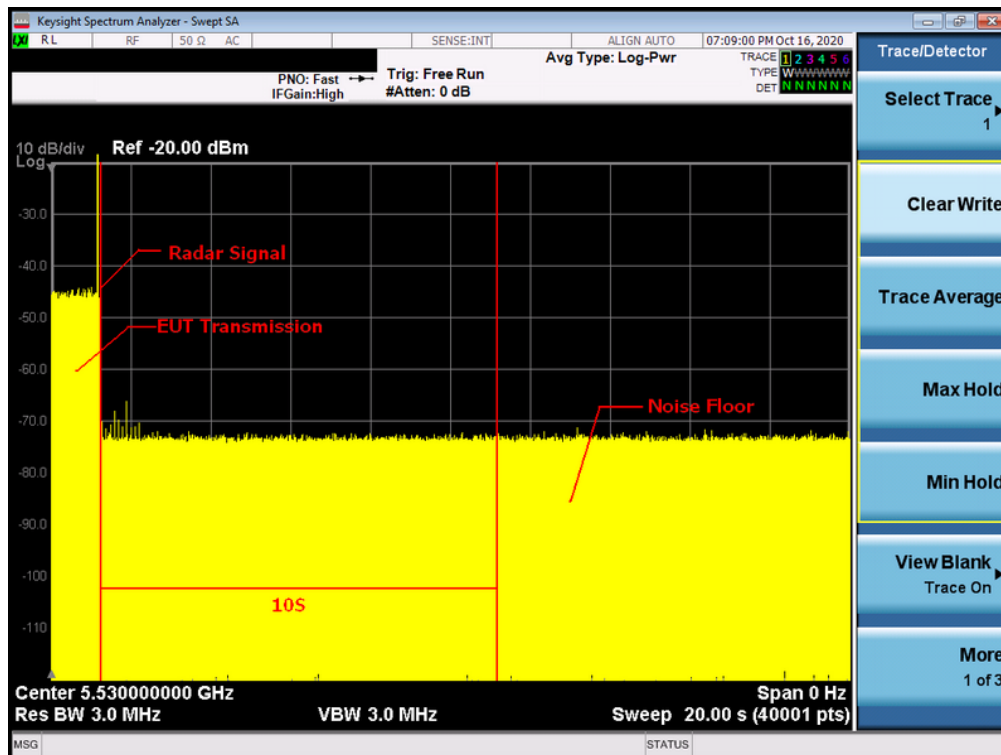


**Note:** T0 denotes the Radar Injection Start.

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.

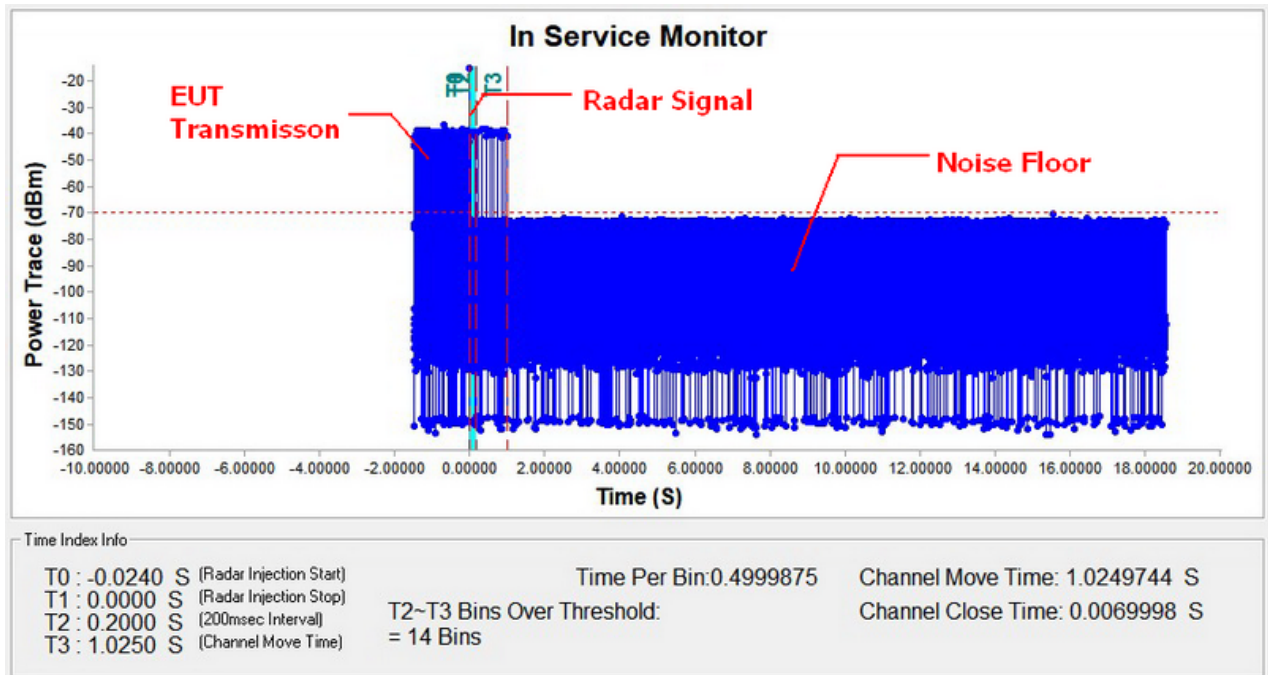
T3 denotes the end of Channel Move Time.



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

TX (IEEE 802.11ax (HE20) Mode)

Radar signal 0

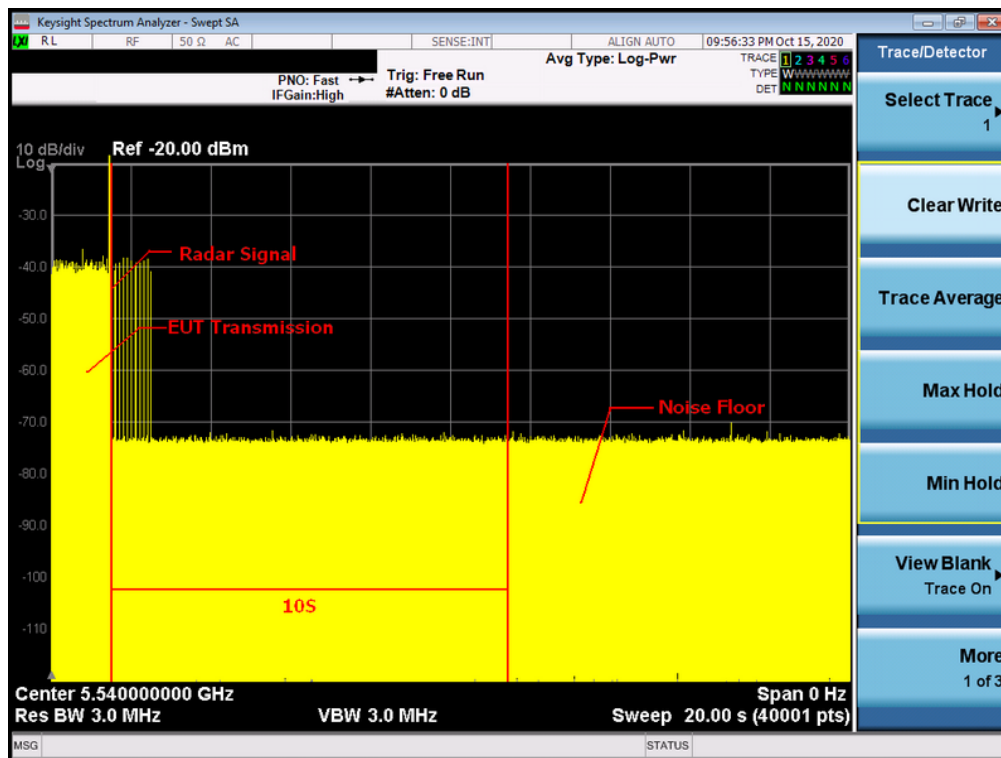


**Note:** T0 denotes the Radar Injection Start.

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  | 0.9379766         | 10                                                                                  |
| Channel Close Time | 0.0064998         | 200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. |

| IEEE 802.11n (HT40) Mode |                   |                                                                                     |
|--------------------------|-------------------|-------------------------------------------------------------------------------------|
| Item                     | Measured Value(s) | Limit(s)                                                                            |
| Channel Move Time        | 0.9459764         | 10                                                                                  |
| Channel Close Time       | 0.0054999         | 200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. |

| IEEE 802.11ac (VHT80) Mode |                   |                                                                                     |
|----------------------------|-------------------|-------------------------------------------------------------------------------------|
| Item                       | Measured Value(s) | Limit(s)                                                                            |
| Channel Move Time          | 0.7239819         | 10                                                                                  |
| Channel Close Time         | 0.0015            | 200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. |

| IEEE 802.11ax (HE20) Mode |                   |                                                                                     |
|---------------------------|-------------------|-------------------------------------------------------------------------------------|
| Item                      | Measured Value(s) | Limit(s)                                                                            |
| Channel Move Time         | 1.0249744         | 10                                                                                  |
| Channel Close Time        | 0.0069998         | 200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. |

TX (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 | $\text{Roundup} \left\{ \left( \frac{1}{360} \right) \cdot \left( \frac{19 \cdot 10^6}{\text{PRI}_{\mu\text{sec}}} \right) \right\}$ | 29         | 1          | 97                                     |
| 2                           | 1-5                | 150-230                                                                                                                                                                                                                                                    | 23-29                                                                                                                                | 26         | 4          | 87                                     |
| 3                           | 6-10               | 200-500                                                                                                                                                                                                                                                    | 16-18                                                                                                                                | 23         | 7          | 77                                     |
| 4                           | 11-20              | 200-500                                                                                                                                                                                                                                                    | 12-16                                                                                                                                | 23         | 7          | 77                                     |
| Aggregate (Radar Types 1-4) |                    |                                                                                                                                                                                                                                                            | -                                                                                                                                    | 101        | 19         | 84                                     |

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                            | 29         | 1          | 97                                     |

| Radar Type | Trial # | Detection | Trial # | Detection |
|------------|---------|-----------|---------|-----------|
|            |         | YES / NO  |         | YES / NO  |
| Type1      | 1       | YES       | 16      | YES       |
|            | 2       | YES       | 17      | YES       |
|            | 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      | 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       |
| Type2      | 1       | NO        | 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      | YES       | 27      | YES       |
|            | 13      | YES       | 28      | NO        |
|            | 14      | YES       | 29      | YES       |
|            | 15      | YES       | 30      | NO        |

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

| Radar Type | Trial # | Detection | Trial # | Detection |
|------------|---------|-----------|---------|-----------|
|            |         | YES / NO  |         | YES / NO  |
| Type5      | 1       | YES       | 16      | NO        |
|            | 2       | YES       | 17      | YES       |
|            | 3       | YES       | 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      | YES       |
|            | 15      | YES       | 30      | YES       |

| Radar Type | Trial # | Detection | Trial # | Detection |
|------------|---------|-----------|---------|-----------|
|            |         | YES / NO  |         | YES / NO  |
| 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      | NO        |
|            | 9       | YES       | 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       |

TX (IEEE 802.11n (HT40) 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> | $\text{Roundup} \left\{ \left( \frac{1}{360} \right) \cdot \left( \frac{19 \cdot 10^6}{\text{PRI}_{\mu\text{sec}}} \right) \right\}$ | 28         | 2          | 93                                     |
| 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) |                    |                                                                                                                                                                                                                                                                       | -                                                                                                                                    | 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                            | 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      | 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      | NO        | 26      | YES       |
|            | 12      | YES       | 27      | YES       |
|            | 13      | YES       | 28      | YES       |
|            | 14      | YES       | 29      | YES       |
|            | 15      | YES       | 30      | YES       |
| Type2      | 1       | NO        | 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       | YES       | 23      | YES       |
|            | 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       |

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

| Radar Type | Trial # | Detection | Trial # | Detection |
|------------|---------|-----------|---------|-----------|
|            |         | YES / NO  |         | YES / NO  |
| Type6      | 1       | YES       | 16      | YES       |
|            | 2       | YES       | 17      | YES       |
|            | 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      | 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       |

TX (IEEE 802.11ac (VHT80) 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> | $\text{Roundup} \left\{ \left( \frac{1}{360} \right) \cdot \left( \frac{19 \cdot 10^6}{\text{PRI}_{\mu\text{sec}}} \right) \right\}$ | 28         | 2          | 93                                     |
| 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) |                    |                                                                                                                                                                                                                                                                       | -                                                                                                                                    | 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                            | 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       | YES       | 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      | 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      | YES       |
|            | 5       | NO        | 20      | YES       |
|            | 6       | YES       | 21      | NO        |
|            | 7       | YES       | 22      | YES       |
|            | 8       | YES       | 23      | YES       |
|            | 9       | YES       | 24      | YES       |
|            | 10      | YES       | 25      | NO        |
|            | 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      | YES       |
|            | 3       | YES       | 18      | YES       |
|            | 4       | YES       | 19      | YES       |
|            | 5       | YES       | 20      | YES       |
|            | 6       | YES       | 21      | YES       |
|            | 7       | NO        | 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      | NO        |
| Type4      | 1       | NO        | 16      | YES       |
|            | 2       | YES       | 17      | NO        |
|            | 3       | YES       | 18      | YES       |
|            | 4       | NO        | 19      | YES       |
|            | 5       | NO        | 20      | YES       |
|            | 6       | YES       | 21      | YES       |
|            | 7       | YES       | 22      | YES       |
|            | 8       | YES       | 23      | NO        |
|            | 9       | YES       | 24      | YES       |
|            | 10      | YES       | 25      | NO        |
|            | 11      | YES       | 26      | YES       |
|            | 12      | YES       | 27      | YES       |
|            | 13      | YES       | 28      | NO        |
|            | 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       | 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      | YES       |
|            | 10      | YES       | 25      | YES       |
|            | 11      | NO        | 26      | YES       |
|            | 12      | YES       | 27      | YES       |
|            | 13      | YES       | 28      | YES       |
|            | 14      | YES       | 29      | NO        |
|            | 15      | YES       | 30      | YES       |

| Radar Type | Trial # | Detection | Trial # | Detection |
|------------|---------|-----------|---------|-----------|
|            |         | YES / NO  |         | YES / NO  |
| Type6      | 1       | YES       | 16      | YES       |
|            | 2       | YES       | 17      | YES       |
|            | 3       | YES       | 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      | YES       |
|            | 10      | YES       | 25      | YES       |
|            | 11      | YES       | 26      | NO        |
|            | 12      | YES       | 27      | YES       |
|            | 13      | YES       | 28      | YES       |
|            | 14      | YES       | 29      | YES       |
|            | 15      | YES       | 30      | YES       |

TX (IEEE 802.11ax (HE20) 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> | $\text{Roundup} \left\{ \left( \frac{1}{360} \right) \cdot \left( \frac{19 \cdot 10^6}{\text{PRI}_{\mu\text{sec}}} \right) \right\}$ | 26         | 4          | 87                                     |
| 2                           | 1-5                | 150-230                                                                                                                                                                                                                                                               | 23-29                                                                                                                                | 21         | 9          | 70                                     |
| 3                           | 6-10               | 200-500                                                                                                                                                                                                                                                               | 16-18                                                                                                                                | 29         | 1          | 97                                     |
| 4                           | 11-20              | 200-500                                                                                                                                                                                                                                                               | 12-16                                                                                                                                | 24         | 6          | 80                                     |
| 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             | 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                            | 25         | 5          | 83                                     |

| Radar Type | Trial # | Detection | Trial # | Detection |
|------------|---------|-----------|---------|-----------|
|            |         | YES / NO  |         | YES / NO  |
| Type1      | 1       | YES       | 16      | YES       |
|            | 2       | YES       | 17      | YES       |
|            | 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      | YES       |
|            | 10      | YES       | 25      | YES       |
|            | 11      | YES       | 26      | YES       |
|            | 12      | YES       | 27      | YES       |
|            | 13      | NO        | 28      | YES       |
|            | 14      | NO        | 29      | YES       |
|            | 15      | NO        | 30      | YES       |
| Type2      | 1       | YES       | 16      | YES       |
|            | 2       | NO        | 17      | NO        |
|            | 3       | NO        | 18      | YES       |
|            | 4       | YES       | 19      | NO        |
|            | 5       | YES       | 20      | NO        |
|            | 6       | YES       | 21      | NO        |
|            | 7       | YES       | 22      | YES       |
|            | 8       | YES       | 23      | YES       |
|            | 9       | NO        | 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  |
| Type3      | 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       | NO        | 23      | YES       |
|            | 9       | YES       | 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       |
| Type4      | 1       | YES       | 16      | YES       |
|            | 2       | YES       | 17      | NO        |
|            | 3       | YES       | 18      | NO        |
|            | 4       | YES       | 19      | YES       |
|            | 5       | NO        | 20      | YES       |
|            | 6       | YES       | 21      | YES       |
|            | 7       | YES       | 22      | YES       |
|            | 8       | NO        | 23      | NO        |
|            | 9       | YES       | 24      | YES       |
|            | 10      | YES       | 25      | YES       |
|            | 11      | YES       | 26      | YES       |
|            | 12      | YES       | 27      | YES       |
|            | 13      | YES       | 28      | YES       |
|            | 14      | YES       | 29      | NO        |
|            | 15      | YES       | 30      | YES       |

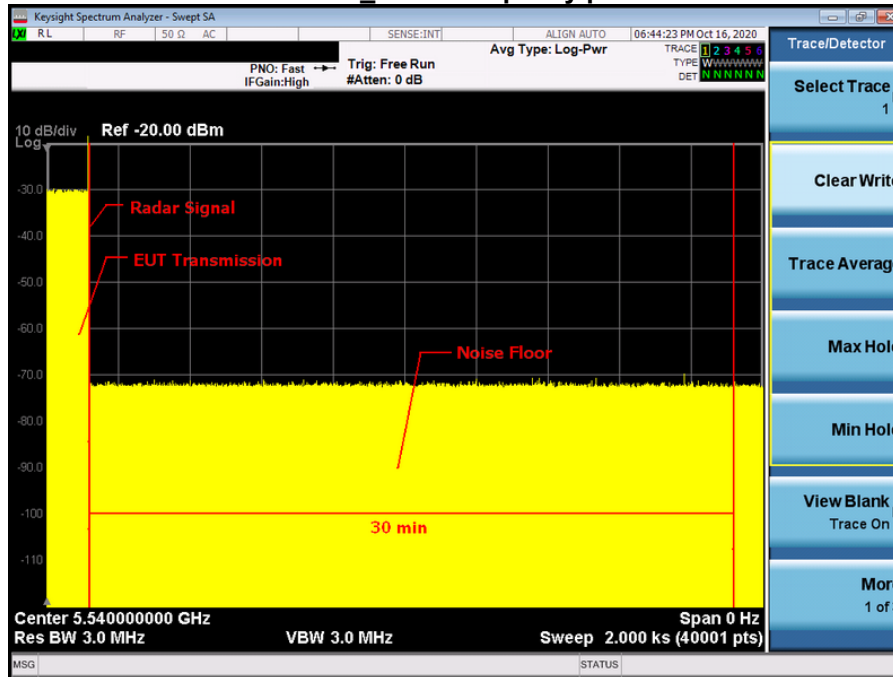
| Radar Type | Trial # | Detection | Trial # | Detection |
|------------|---------|-----------|---------|-----------|
|            |         | YES / NO  |         | YES / NO  |
| Type5      | 1       | YES       | 16      | YES       |
|            | 2       | YES       | 17      | YES       |
|            | 3       | YES       | 18      | NO        |
|            | 4       | YES       | 19      | YES       |
|            | 5       | YES       | 20      | NO        |
|            | 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      | YES       |
|            | 15      | YES       | 30      | YES       |

| Radar Type | Trial # | Detection | Trial # | Detection |
|------------|---------|-----------|---------|-----------|
|            |         | YES / NO  |         | YES / NO  |
| Type6      | 1       | YES       | 16      | NO        |
|            | 2       | YES       | 17      | NO        |
|            | 3       | YES       | 18      | YES       |
|            | 4       | YES       | 19      | NO        |
|            | 5       | YES       | 20      | NO        |
|            | 6       | YES       | 21      | NO        |
|            | 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      | YES       | 29      | YES       |
|            | 15      | YES       | 30      | YES       |

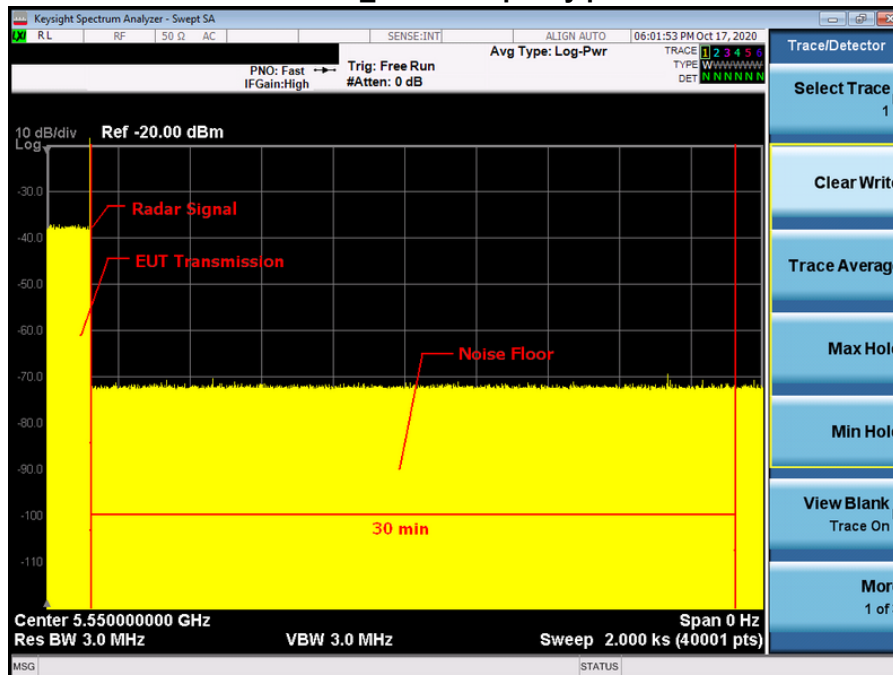
## 5.6 NON- OCCUPANCY PERIOD

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.

### TX (IEEE 802.11a Mode) 5540MHz\_Non-Occupancy perrod



### TX (IEEE 802.11n (HT40) Mode) 5550MHz\_Non-Occupancy perrod



Keysight Spectrum Analyzer - Sweep SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 07:16:44 PM Oct 17, 2020

**Sweep Time 2.000 ks** Avg Type: Log-Pwr

PNO: Fast Trig: Free Run  
IFGain: High #Atten: 0 dB

TRACE 1 2 3 4 5 6  
TYPE WWWWWWWW  
DET NNNNNN

10 dB/div Log Ref -20.00 dBm

Radar Signal

EUT Transmission

Noise Floor

30 min

Center 5.530000000 GHz Span 0 Hz  
Res BW 3.0 MHz VBW 3.0 MHz Sweep 2.000 ks (40001 pts)

MSG STATUS

Trace/Detector

Select Trace

Clear Write

Trace Average

Max Hold

Min Hold

View Blank  
Trace On

More  
1 of 3

KeySight Spectrum Analyzer - Swept SA

RL RF 50 Q AC SENSE:INT ALIGN AUTO 09:16:21 PM Oct 16, 2020

Avg Type: Log-Pwr

Trig: Free Run #Atten: 0 dB

Trace 1 2 3 4 5 6 TYPE WWWWMMW DET NNNNNN

PN0: Fast IFGain:High

10 dB/div Log Ref -20.00 dBm

Radar Signal

EUT Transmission

Noise Floor

30 min

Center 5.540000000 GHz Span 0 Hz

Res BW 3.0 MHz VBW 3.0 MHz Sweep 2.000 ks (40001 pts)

MSG STATUS

Trace/Detector

Select Trace 1

Clear Write

Trace Average

Max Hold

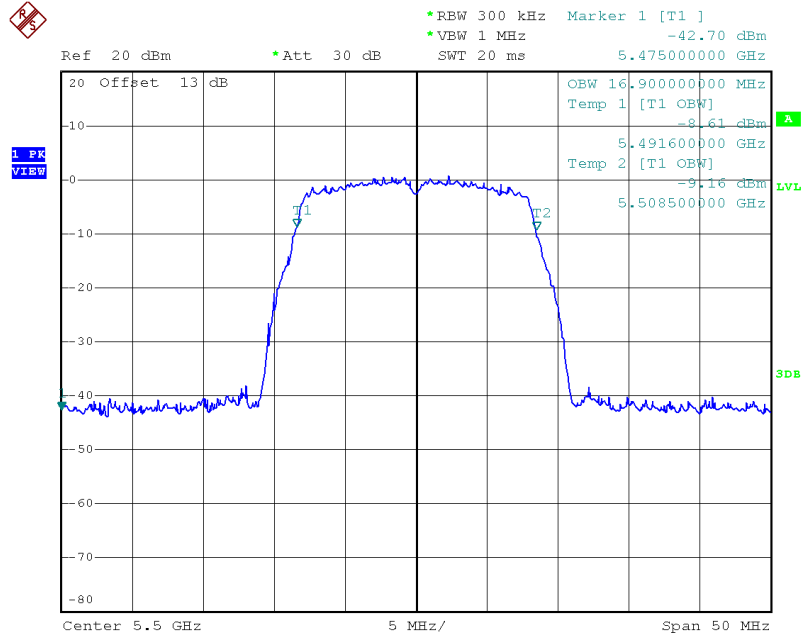
Min Hold

View Blank Trace On

More 1 of 3

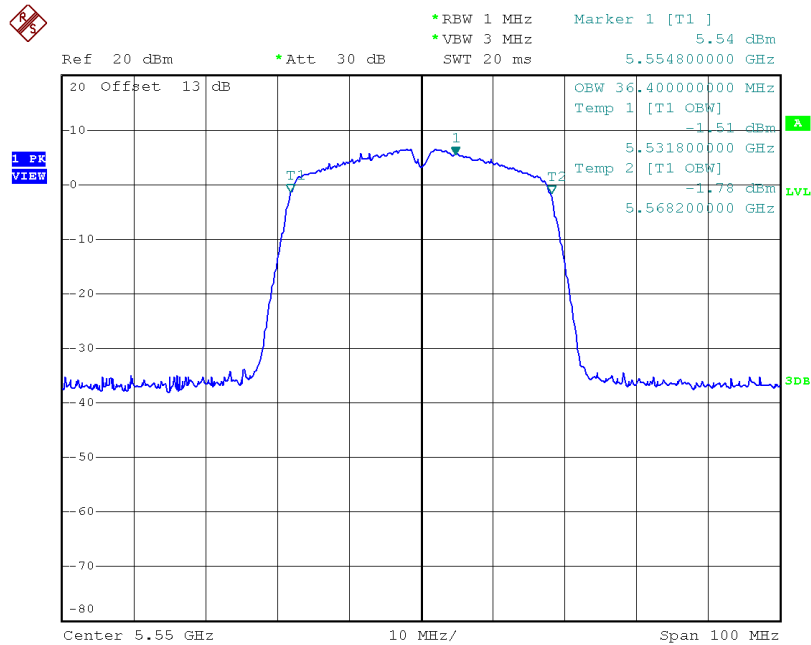
## 5.7 U-NII DETECTION BANDWIDTH

### TX (IEEE 802.11a Mode) U-NII 99% Channel bandwidth



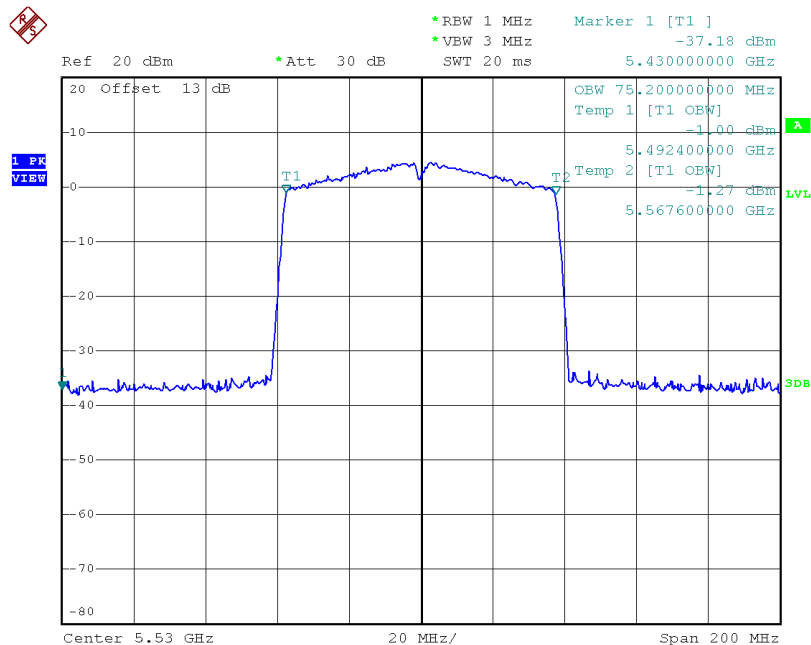
Date: 3.NOV.2020 13:46:24

## TX (IEEE 802.11n (HT40) Mode) U-NII 99% Channel bandwidth



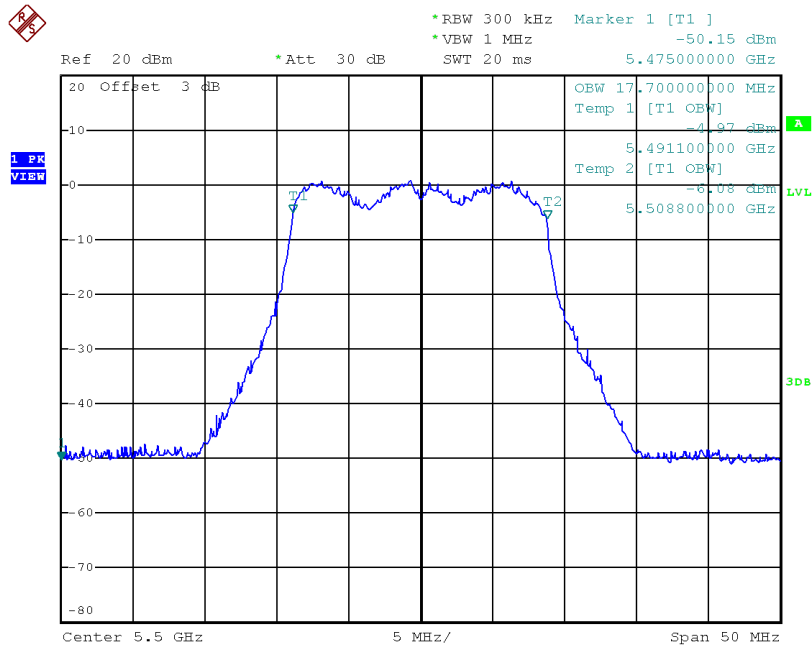
Date: 3.NOV.2020 14:43:12

## TX (IEEE 802.11ac (VHT80) Mode) U-NII 99% Channel bandwidth



Date: 4.NOV.2020 08:54:25

# TX (IEEE 802.11ax (HE20) Mode) U-NII 99% Channel bandwidth



Date: 3.NOV.2020 16:31:53

## IEEE 802.11a Mode

| Detection Bandwith test transmission 20M            |                                                     |   |   |   |   |   |   |   |   |    |                       |
|-----------------------------------------------------|-----------------------------------------------------|---|---|---|---|---|---|---|---|----|-----------------------|
| EUT FREQUENCY                                       | 5500M                                               |   |   |   |   |   |   |   |   |    |                       |
| EUT power bandwidth                                 | 16.9MHz                                             |   |   |   |   |   |   |   |   |    |                       |
| Detection Bandwith limit(100%of EUT 99% Power bandw | 18                                                  |   |   |   |   |   |   |   |   |    |                       |
| Detection Bandwith(5510(FH)-5490(FL))               | 18                                                  |   |   |   |   |   |   |   |   |    |                       |
| Test Result                                         | PASS                                                |   |   |   |   |   |   |   |   |    |                       |
| Radar Freq<br>(MHz)                                 | DFS Detection Trials (1=Detection, 0= No Detection) |   |   |   |   |   |   |   |   |    | Detection<br>Rate (%) |
|                                                     | 1                                                   | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |                       |
| 5489                                                | 0                                                   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0                     |
| 5490(FL)                                            | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                   |
| 5491                                                | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                   |
| 5492                                                | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                   |
| 5493                                                | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                   |
| 5494                                                | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                   |
| 5495                                                | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                   |
| 5496                                                | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                   |
| 5497                                                | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                   |
| 5498                                                | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                   |
| 5499                                                | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                   |
| 5500                                                | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                   |
| 5501                                                | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                   |
| 5502                                                | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                   |
| 5503                                                | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                   |
| 5504                                                | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                   |
| 5505                                                | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                   |
| 5506                                                | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                   |
| 5507                                                | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                   |
| 5508                                                | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                   |
| 5509                                                | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                   |
| 5510(FH)                                            | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                   |
| 5511                                                | 0                                                   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0                     |

## IEEE 802.11n (HT40) Mode

| Detection Bandwidth test transmission 40M                 |                                                     |   |   |   |   |   |   |   |   |    |                    |
|-----------------------------------------------------------|-----------------------------------------------------|---|---|---|---|---|---|---|---|----|--------------------|
| EUT FREQUENCY                                             | 5550M                                               |   |   |   |   |   |   |   |   |    |                    |
| EUT power bandwidth                                       | 36.4MHZ                                             |   |   |   |   |   |   |   |   |    |                    |
| Detection Bandwidth limit(100%of EUT 99% Power bandwidth) | 38                                                  |   |   |   |   |   |   |   |   |    |                    |
| Detection Bandwidth(5569(FH)-5531(FL))                    | 38                                                  |   |   |   |   |   |   |   |   |    |                    |
| 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 |                    |
| 5529                                                      | 0                                                   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0                  |
| 5530                                                      | 0                                                   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0                  |
| 5531(FL)                                                  | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5532                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5533                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5534                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5535                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5536                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5537                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5538                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5539                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5540                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5541                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5542                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5543                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5544                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5545                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5546                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5547                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5548                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5549                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5550                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5551                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5552                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5553                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5554                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5555                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5556                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5557                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5558                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5559                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5560                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5561                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5562                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5563                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5564                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5565                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5566                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5567                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5568                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5569(FL)                                                  | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5570                                                      | 0                                                   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0                  |
| 5571                                                      | 0                                                   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0                  |

## IEEE 802.11ac (VHT80) Mode

| Detection Bandwith test transmission 80M                |                                                     |   |   |   |   |   |   |   |   |    |                    |
|---------------------------------------------------------|-----------------------------------------------------|---|---|---|---|---|---|---|---|----|--------------------|
| EUT FREQUENCY                                           | 5530M                                               |   |   |   |   |   |   |   |   |    |                    |
| EUT power bandwit                                       | 75.2MHZ                                             |   |   |   |   |   |   |   |   |    |                    |
| Detection Bandwith limit(100%of EUT 99% Power bandwith) | 76                                                  |   |   |   |   |   |   |   |   |    |                    |
| Detection Bandwith(5568(FH)-5492(FL))                   | 76                                                  |   |   |   |   |   |   |   |   |    |                    |
| 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 |                    |
| 5489                                                    | 0                                                   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0                  |
| 5490                                                    | 0                                                   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0                  |
| 5491                                                    | 0                                                   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0                  |
| 5492(FL)                                                | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5493                                                    | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5494                                                    | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5495                                                    | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5496                                                    | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5497                                                    | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5498                                                    | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5499                                                    | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5500                                                    | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5501                                                    | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5502                                                    | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5503                                                    | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5504                                                    | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5505                                                    | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5506                                                    | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5507                                                    | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5508                                                    | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5509                                                    | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5510                                                    | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5511                                                    | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5512                                                    | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5513                                                    | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5514                                                    | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5515                                                    | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5516                                                    | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5517                                                    | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5518                                                    | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5519                                                    | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5520                                                    | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5521                                                    | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5522                                                    | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5523                                                    | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5524                                                    | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5525                                                    | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5526                                                    | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5527                                                    | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5528                                                    | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5529                                                    | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5530                                                    | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5531                                                    | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5532                                                    | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5533                                                    | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5534                                                    | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5535                                                    | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5536                                                    | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5537                                                    | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5538                                                    | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5539                                                    | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5540                                                    | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |

| Detection Bandwidth test transmission 80M                 |                                                     |   |   |   |   |   |   |   |   |    |                    |
|-----------------------------------------------------------|-----------------------------------------------------|---|---|---|---|---|---|---|---|----|--------------------|
| EUT FREQUENCY                                             | 5530M                                               |   |   |   |   |   |   |   |   |    |                    |
| EUT power bandwidth                                       | 75.2MHZ                                             |   |   |   |   |   |   |   |   |    |                    |
| Detection Bandwidth limit(100%of EUT 99% Power bandwidth) | 76                                                  |   |   |   |   |   |   |   |   |    |                    |
| Detection Bandwidth(5568(FH)-5492(FL))                    | 76                                                  |   |   |   |   |   |   |   |   |    |                    |
| 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 |                    |
| 5541                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5542                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5543                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5544                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5545                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5546                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5547                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5548                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5549                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5550                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5551                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5552                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5553                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5554                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5555                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5556                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5557                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5558                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5559                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5560                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5561                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5562                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5563                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5564                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5565                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5566                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5567                                                      | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5568(FH)                                                  | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5569                                                      | 0                                                   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0                  |
| 5570                                                      | 0                                                   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0                  |
| 5571                                                      | 0                                                   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0                  |

## IEEE 802.11ax (HE20) Mode

| Detection Bandwith test transmission 20M              |                                                     |   |   |   |   |   |   |   |   |    |                    |
|-------------------------------------------------------|-----------------------------------------------------|---|---|---|---|---|---|---|---|----|--------------------|
| EUT FREQUENCY                                         | 5500M                                               |   |   |   |   |   |   |   |   |    |                    |
| EUT power bandwidth                                   | 17.7MHz                                             |   |   |   |   |   |   |   |   |    |                    |
| Detection Bandwith limit(100%of EUT 99% Power band)18 |                                                     |   |   |   |   |   |   |   |   |    |                    |
| Detection Bandwidth(5510(FH)-5490(FL))18              |                                                     |   |   |   |   |   |   |   |   |    |                    |
| Test Result                                           | PASS                                                |   |   |   |   |   |   |   |   |    |                    |
| Radar Freq<br>(MHz)                                   | DFS Detection Trials (1=Detection, 0= No Detection) |   |   |   |   |   |   |   |   |    | Detection Rate (%) |
|                                                       | 1                                                   | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |                    |
| 5489                                                  | 0                                                   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0                  |
| 5490(FL)                                              | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5491                                                  | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5492                                                  | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5493                                                  | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5494                                                  | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5495                                                  | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5496                                                  | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5497                                                  | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5498                                                  | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5499                                                  | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5500                                                  | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5501                                                  | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5502                                                  | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5503                                                  | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5504                                                  | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5505                                                  | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5506                                                  | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5507                                                  | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5508                                                  | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5509                                                  | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5510(FH)                                              | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5511                                                  | 0                                                   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0                  |

## 6. EUT TEST PHOTO



End of Test Report