



# AFC DUT TEST HARNESS REPORT

**FCC ID** : TOR-C460

**Equipment** : Wireless Access Point

**Brand Name** : ARISTA

**Model Name** : C-460E

**Applicant** : Arista Networks, Inc.  
5453 Great America Parkway, Santa Clara, CA 95054 USA

**Manufacturer** : Arista Networks, Inc.  
5453 Great America Parkway, Santa Clara, CA 95054 USA

**Standard** : 47 CFR FCC Part 15.407

The product was received on May 02, 2024, and testing was started from Aug. 13, 2024 and completed on Aug. 14, 2024. We, Sporton International Inc. Hsinhua Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in AFC Device (AFC DUT) Compliance Test Plan Version 1.5 and shown compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International Inc. Hsinhua Laboratory, the test report shall not be reproduced except in full.

  
Approved by: Jackson Tsai

**Sporton International Inc. Hsinhua Laboratory**  
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## Summary of Test Result

| Report Clause                                         | Ref Std. Clause | Test Case Name                                                      | Result (PASS/FAIL) | Remark |
|-------------------------------------------------------|-----------------|---------------------------------------------------------------------|--------------------|--------|
| <b>AFC capability - Inquired Channel</b>              |                 |                                                                     |                    |        |
| <b>Test Group: Inquired Channel - Always</b>          |                 |                                                                     |                    |        |
| 3.1                                                   | 3.1.4           | CT_AFC_SP_AP_AFCDRSA31_Channel_20MHz_10618_1                        | PASS               | -      |
| 3.1                                                   | 3.1.4           | CT_AFC_SP_AP_AFCDRSA31_Channel_40MHz_10619_1                        | PASS               | -      |
| 3.1                                                   | 3.1.4           | CT_AFC_SP_AP_AFCDRSA31_Channel_80MHz_10620_1                        | PASS               | -      |
| 3.1                                                   | 3.1.4           | CT_AFC_SP_AP_AFCDRSA31_Channel_160MHz_10621_1                       | PASS               | -      |
| 3.1                                                   | 3.1.4           | CT_AFC_SP_AP_AFCDRSA31_Channel_320MHz_10714_1                       | PASS               | -      |
| 3.2                                                   | 3.2.4           | CT_AFC_SP_AP_AFCDUSA32_Channel_10622_1                              | PASS               | -      |
| 3.3                                                   | 3.3.4           | CT_AFC_SP_AP_AFCDSAU33_Channel_10623_1                              | PASS               | -      |
| 3.4                                                   | 3.4.4           | CT_AFC_SP_AP_AFCDUAU34_Channel_10624_1                              | PASS               | -      |
| <b>AFC capability - Server Validation – Mandatory</b> |                 |                                                                     |                    |        |
| <b>Test Group: Server Validation - Always</b>         |                 |                                                                     |                    |        |
| 3.5                                                   | 3.5.4           | CT_AFC_ServerValidation_AP_AFCDUSV35_NonMatchSAN_10632_1            | PASS               | -      |
| 3.5                                                   | 3.5.4           | CT_AFC_ServerValidation_AP_AFCDUSV35_DifferentRootCA_10633_1        | PASS               | -      |
| 3.5                                                   | 3.5.4           | CT_AFC_ServerValidation_AP_AFCDUSV35_MatchSuffixSAN_10634_1         | PASS               | -      |
| 3.5                                                   | 3.5.4           | CT_AFC_ServerValidation_AP_AFCDUSV35_ServerCertRevoked_10635_1      | PASS               | -      |
| 3.5                                                   | 3.5.4           | CT_AFC_ServerValidation_AP_AFCDUSV35_OCSPStaplingDisabled_10636_1   | PASS               | -      |
| 3.5                                                   | 3.5.4           | CT_AFC_ServerValidation_AP_AFCDUSV35_StapledOCSPRespExpired_10637_1 | PASS               | -      |
| 3.5                                                   | 3.5.4           | CT_AFC_ServerValidation_AP_AFCDUSV35_TLSCipherSuiteENULL_10638_1    | PASS               | -      |
| 3.5                                                   | 3.5.4           | CT_AFC_ServerValidation_AP_AFCDUSV35_NoRootCA_10639_1               | PASS               | -      |

**Conformity Assessment Condition:**

1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacture who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
2. The measurement uncertainty please refer to each test result in the chapter "Measurement Uncertainty".

**Disclaimer:**

The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.

**Reviewed by: Jason Su****Report Producer: Michelle Tsai**



## 1 General Description

### 1.1 Product Feature of Equipment Under Test

| Product Feature of Equipment Under Test |                                                                                                                                                                                                                                                             |
|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Power Type                              | From power adapter or PoE                                                                                                                                                                                                                                   |
| EUT Type                                | <input checked="" type="checkbox"/> Standard Power Access Point with Proxy<br><input type="checkbox"/> Standard Power Access Point without Proxy<br><input type="checkbox"/> Fixed Client with Proxy<br><input type="checkbox"/> Fixed Client without Proxy |
| Bandwidth (MHz)                         | 20 / 40 / 80 / 160 / 320                                                                                                                                                                                                                                    |
| Condition of EUT                        | <input checked="" type="checkbox"/> Indoor<br><input type="checkbox"/> Outdoor                                                                                                                                                                              |
| Professional Installation               | <input checked="" type="checkbox"/> Yes<br><input type="checkbox"/> No                                                                                                                                                                                      |
| Firmware Version                        | 18.0.0                                                                                                                                                                                                                                                      |
| Software Version                        | 18.0.0                                                                                                                                                                                                                                                      |
| Hardware Version                        | 01.00                                                                                                                                                                                                                                                       |
| Proxy Firmware Version                  | N/A                                                                                                                                                                                                                                                         |
| Proxy Software Version                  | afcproxy-v0.0.0-21186-g465df01                                                                                                                                                                                                                              |
| Proxy Hardware Version                  | N/A                                                                                                                                                                                                                                                         |

Note: The above information was declared by manufacturer.



## 1.2 Antenna Information

| Ant. | Brand | Model Name    | Antenna Type | Connector   | Support    | Radio                                    |
|------|-------|---------------|--------------|-------------|------------|------------------------------------------|
| 1    | WHAYU | C393-510225-A | Dipole       | Reverse SMA | 2.4G+5G+6E | Radio 1_2.4G<br>Radio 3_5G<br>Radio 2_6E |
| 2    | WHAYU | C393-510225-A | Dipole       | Reverse SMA | 2.4G+5G+6E |                                          |
| 3    | WHAYU | C393-510225-A | Dipole       | Reverse SMA | 2.4G+5G+6E |                                          |
| 4    | WHAYU | C393-510225-A | Dipole       | Reverse SMA | 2.4G+5G+6E | Radio 1_2.4G<br>Radio 3_5G<br>Radio 2_6E |
| 5    | WHAYU | C393-510225-A | Dipole       | Reverse SMA | 2.4G+5G+6E |                                          |
| 6    | WHAYU | C393-510225-A | Dipole       | Reverse SMA | 2.4G+5G+6E |                                          |
| 7    | WHAYU | C393-510296-A | Dipole       | I-Pex       | BT         | -                                        |
| 8    | WHAYU | C393-510296-A | PIFA         | I-Pex       | GPS        | -                                        |

| Ant. | Port | Gain (dBi) |     |     |     |     |
|------|------|------------|-----|-----|-----|-----|
|      |      | 2.4G       | 5G  | 6E  | BT  | GPS |
| 1    | 1    | 4.9        | 6.1 | 5.1 | -   | -   |
| 2    | 2    | 5.7        | 6.9 | 5.1 | -   | -   |
| 3    | 1    | 4          | 6   | 5.1 | -   | -   |
| 4    | 3    | 5.1        | 6.9 | 5.3 | -   | -   |
| 5    | 4    | 6.3        | 5.9 | 5.3 | -   | -   |
| 6    | 2    | 4          | 5   | 5.3 | -   | -   |
| 7    | 1    | -          | -   | -   | 5.5 | -   |
| 8    | 1    | -          | -   | -   | -   | 4.5 |

Note 1: The EUT has eight antennas.

### For 2.4GHz function:

For IEEE 802.11 b/g/n/VHT/ax mode (2TX/2RX) < Radio 0 >

Ant. 3 (port 1) and Ant. 6 (port 2) could receive simultaneously.

For IEEE 802.11 b/g/n/VHT/ax/be mode (4TX/4RX) < Radio 1 >

Ant. 1 (port 1), Ant. 2 (port 2), Ant. 4 (port 3) and Ant. 5 (port 4) could transmit/receive simultaneously.

### For 5GHz function:

For IEEE 802.11 a/n/ac/ax mode (2TX/2RX) < Radio 0 >

Ant. 3 (port 1) and Ant. 6 (port 2) could receive simultaneously.

For IEEE 802.11 a/n/ac/ax/be mode (4TX/4RX) < Radio 3 >

Ant. 1 (port 1), Ant. 2 (port 2), Ant. 4 (port 3) and Ant. 5 (port 4) could transmit/receive simultaneously.

### For 6GHz function:

For IEEE 802.11axmode (2TX/2RX) < Radio 0 >

Ant. 3 (port 1) and Ant. 6 (port 2) could receive simultaneously.

For IEEE 802.11 ax/be mode (4TX/4RX) < Radio 2 >

Ant. 1 (port 1), Ant. 2 (port 2), Ant. 4 (port 3) and Ant. 5 (port 4) could transmit/receive simultaneously.

### For BT function:

For IEEE 802.15.1 Bluetooth mode (1TX/1RX)

Ant. 7 could transmit/receive.



### 1.3 Accessories

| Accessories    |            |        |            |             |
|----------------|------------|--------|------------|-------------|
| <b>Ceiling</b> | Brand Name | ARISTA | Model Name | MNT-AP-15MM |

Reminder: Regarding to more detail and other information, please refer to user manual.

### 1.4 Support Equipment

| Support Equipment |               |            |                     |        |        |
|-------------------|---------------|------------|---------------------|--------|--------|
| No.               | Equipment     | Brand Name | Model Name          | FCC ID | Remark |
| 1                 | Notebook      | HP         | HSTNN-I42C          | -      | -      |
| 2                 | Client(Slave) | HP         | HSTNN-I42C          | -      | -      |
| 3                 | Notebook      | Lenovo     | ThinkBook 15 G4 IAP | -      | -      |
| 4                 | AP (Master)   | ASUS       | RT-AX88U            | -      | -      |



## 1.5 Applicable Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- ♦ 47 CFR FCC Part 15.407

The following reference test guidance is not within the scope of accreditation of TAF.

- ♦ AFC Device (AFC DUT) Compliance Test Plan Version 1.5
- ♦ FCC KDB 987594 D05 v01r01

## 1.6 Testing Location

**Test Lab. : Sporton International Inc. Hsinhua Laboratory**

☒ **Hsinhua**      **ADD:** No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)  
**(TAF: 3785)**      **TEL:** 886-3-327-3456      **FAX: 886-3-327-0973**  
Test site Designation No. TW3785 with FCC.

| Test Condition | Test Site No. | Test Engineer | Test Environment     | Test Date               |
|----------------|---------------|---------------|----------------------|-------------------------|
| RF Conducted   | DFS03-HY      | CHUN-YI WU    | 22.7~23.6°C / 53~56% | 13/Aug/2024~14/Aug/2024 |





## 2 Measurement Environment

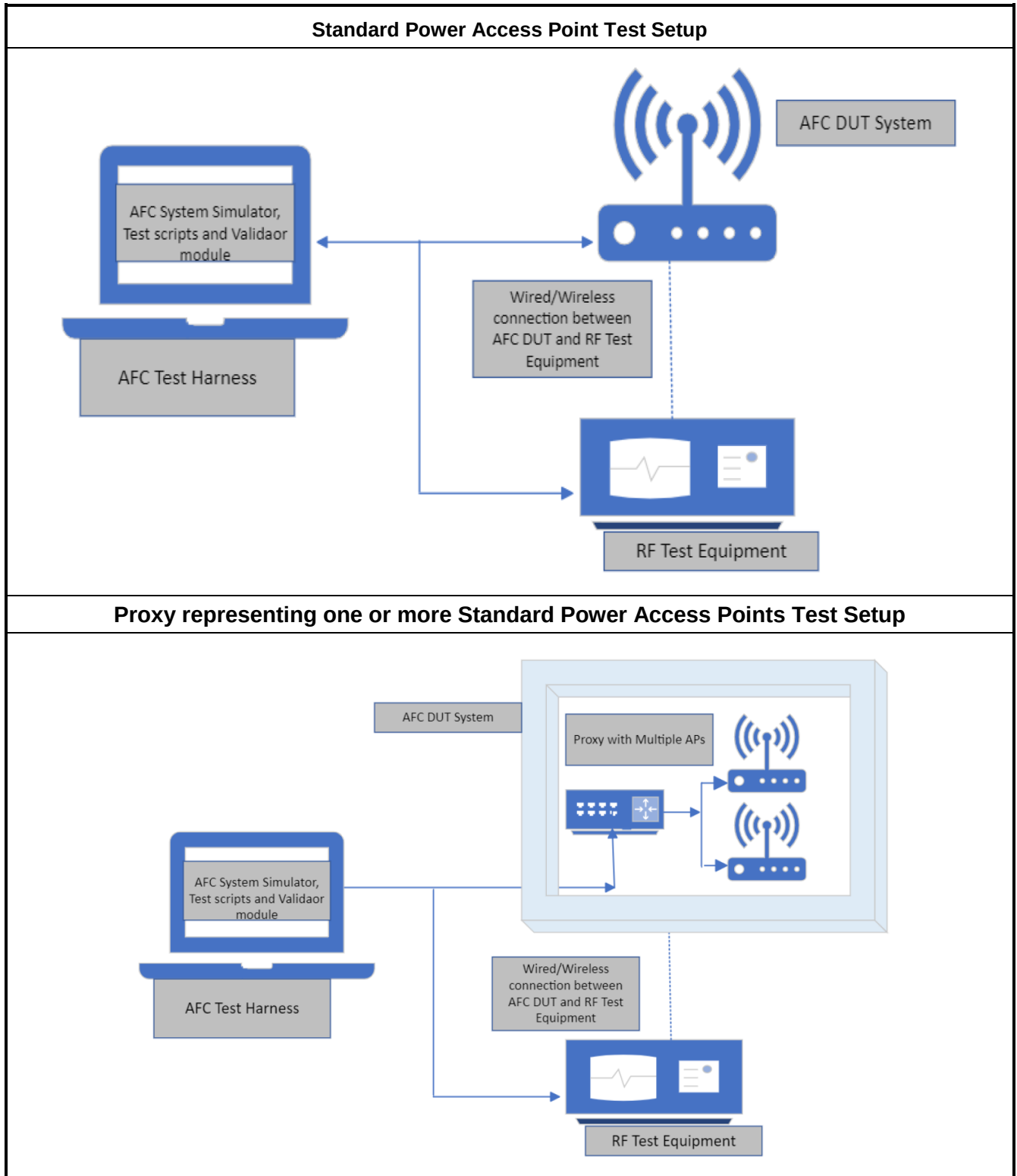
| Measurement Environment Information |            |
|-------------------------------------|------------|
| AFC DUT Test Harness version        | 2.0.65.174 |

### 2.1 AFCD General Capabilities Declaration

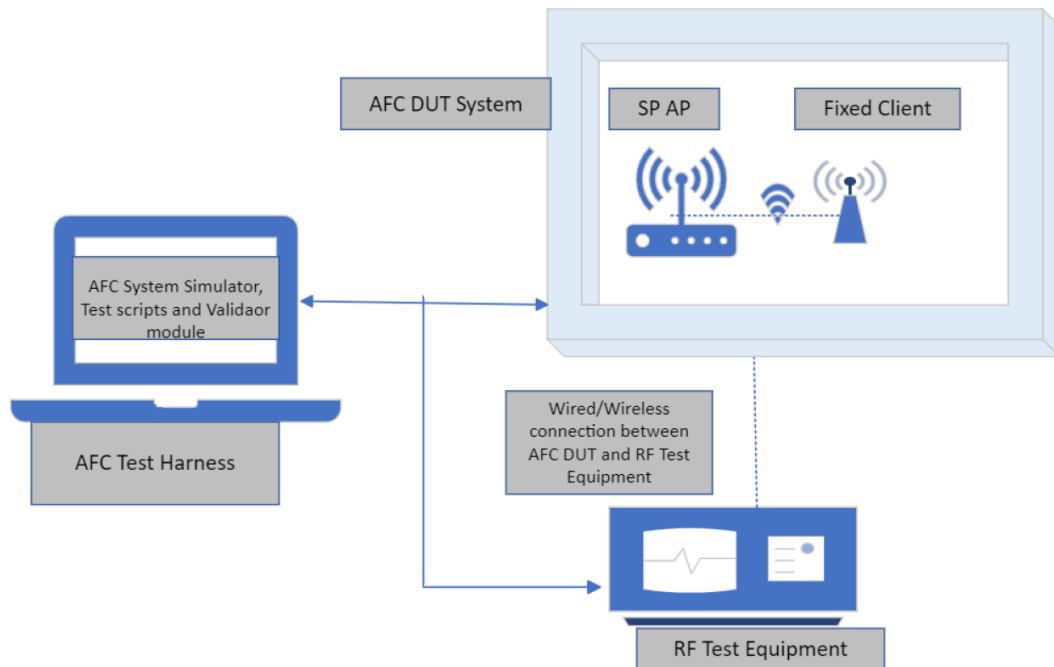
| Item | Question                                                                                                                        | Vendor Response         |
|------|---------------------------------------------------------------------------------------------------------------------------------|-------------------------|
| 1    | AFC DUT Type                                                                                                                    | Proxy Standard Power AP |
| 2    | What is the AFC DUT supports sending an Available Spectrum Inquiry Request type?                                                | Channel                 |
| 3    | Does the AFC DUT need to be supplied with BSS configuration parameters?                                                         | No                      |
| 4    | Does the AFC DUT manufacturer attest to AFC DUT compliance with rules for LPI operation?                                        | No                      |
| 5    | Does the AFC DUT need to be supplied with mandatory registration information to formulate an Available Spectrum Inquiry Request | No                      |
| 6    | If the Answer to Item 7 is "Yes". What is the geographic Supported by the AFC DUT?                                              | -                       |
| 7    | Does the AFC DUT supports 160 MHz channel width operation?                                                                      | Yes                     |
| 8    | Which method does AFC DUT acting as a Fixed Client uses for sending an Available Spectrum Inquiry Request?                      | -                       |
| 9    | Does the AFC DUT supports 320 MHz channel width operation?                                                                      | Yes                     |

Note: The above information was declared by manufacturer.

## 2.2 Test Configuration



## Fixed Client Device Test Setup





### 3 Protocol Test Results

#### 3.1 Successful Registration and Spectrum Access Request

##### 3.1.1 Test Procedure

| Step | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1    | If the AFC DUT is Standard Power Access Point, go to Step 2, else go to Step 12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 2    | AFC DUT set to Initial Pre-test State.<br>If needed (see Table 5 declaration), configure the AFC DUT with BSS parameters per Table 9 and a temporary test regulatory identifier (e.g., FCC ID), geographic coordinates, antenna height, and uncertainty parameters.<br>Configure the AFC DUT with AFC System URL and server root certificate.<br>Trigger the AFC DUT to send to the AFC DUT Test Harness an Available Spectrum Inquiry Request.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 3    | AFC DUT sends a valid Available Spectrum Inquiry Request containing the inquired Frequency Range and/or the inquired Channels fields*.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 4    | AFC DUT Test Harness validates the presence of mandatory registration information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 5    | AFC DUT Test Harness sends an Available Spectrum Inquiry Response containing a list of available frequency ranges and/or channels and the maximum permissible transmit power in the availableFrequencyInfo and/or availableChannelInfo fields.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 6    | Throughout Step 1 to Step 4, RF Test Equipment monitors the output of the AFC DUT to confirm that the AFC DUT does not transmit: <ul style="list-style-type: none"><li>In the band if the AFC DUT supports only SP operation</li></ul> Or <ul style="list-style-type: none"><li>Above LPI limits for AFC DUT whose manufacturer attests to its compliance with rules for LPI operation</li></ul> Wait for 60 seconds<br>RF Test Equipment monitors any transmission by the AFC DUT conforms to the following: <ul style="list-style-type: none"><li>For SP only operation, AFC DUT conforms to the conditions contained in the Available Spectrum Inquiry Response and does not exceed emissions limits in adjacent frequencies.</li><li>For AFC DUT whose manufacturer attests to its compliance with rules for LPI operation, AFC DUT transmit power in the band is less than CEILING [LPI limits, SP limits contained in the Available Spectrum Inquiry Response] and does not exceed emissions limits in adjacent frequencies.</li></ul> |
| 7    | Trigger the AFC DUT to send to the AFC DUT Test Harness an Available Spectrum Inquiry Request.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 8    | AFC DUT sends a valid Available Spectrum Inquiry Request containing the inquiredFrequencyRange and/or the inquiredChannels fields*.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 9    | AFC DUT Test Harness validates the presence of mandatory registration information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 10   | AFC DUT Test Harness sends an Available Spectrum Inquiry Response containing a list of available frequency ranges and/or channels and the maximum permissible transmit power in the availableFrequencyInfo and/or availableChannelInfo fields which are significantly different from Step 5.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 11   | Wait for 5 minutes (configurable)<br>RF Test Equipment monitors any transmission by the AFC DUT conforms to the following: <ul style="list-style-type: none"><li>For SP only operation, AFC DUT conforms to the conditions contained in the latest Available Spectrum Inquiry Response and does not exceed emissions limits in adjacent frequencies.</li><li>For AFC DUT whose manufacturer attests to its compliance with rules for LPI operation, AFC DUT transmit power in the band is less than CEILING [LPI limits, SP limits contained in the latest Available Spectrum Inquiry Response] and does not exceed emissions limits in adjacent frequencies.</li></ul>                                                                                                                                                                                                                                                                                                                                                                      |
| 12   | If the AFC DUT is Fixed Client, go to Step 13 else Stop the test                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 13   | The AFC DUT set to Initial Pre-test State.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 14   | If needed (see Table 5 declaration), configure the AFC DUT with a temporary test regulatory identifier (e.g., FCC ID), geographic coordinates, antenna height, and uncertainty parameters.<br>Configure the AFC DUT with AFC System URL and server root certificate.<br>Trigger the AFC DUT to send to the AFC DUT Test Harness an Available Spectrum Inquiry Request using either In-band or Out-of-band methods.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 15   | AFC DUT sends a valid Available Spectrum Inquiry Request containing the inquiredFrequencyRange and/or the inquiredChannels fields*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 16   | AFC DUT Test Harness validates the presence of mandatory registration information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 17   | AFC DUT Test Harness sends an Available Spectrum Inquiry Response containing a list of available frequency ranges and/or channels and the maximum permissible transmit power in the availableFrequencyInfo and/or                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |



|    |                                                                                                                                                                                                                                                                                               |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | availableChannelInfo fields.                                                                                                                                                                                                                                                                  |
| 18 | If AFC DUT used Out-of-band method, initiate connection procedure between AFC DUT and SP Access Point by following instructions provided by the AFC DUT Vendor                                                                                                                                |
| 19 | Wait for 60 seconds<br>RF Test Equipment monitors any transmission by the AFC DUT conforms to the conditions contained in the Available Spectrum Inquiry Response and does not exceed emissions limits in adjacent frequencies                                                                |
| 20 | Trigger the AFC DUT to send to the AFC DUT Test Harness an Available Spectrum Inquiry Request using either In-band or Out-of-band methods                                                                                                                                                     |
| 21 | AFC DUT sends a valid Available Spectrum Inquiry Request containing the inquiredFrequencyRange and/or the inquiredChannels fields*                                                                                                                                                            |
| 22 | AFC DUT Test Harness validates the presence of mandatory registration information                                                                                                                                                                                                             |
| 23 | AFC DUT Test Harness sends an Available Spectrum Inquiry Response containing a list of available frequency ranges and/or channels and the maximum permissible transmit power in the availableFrequencyInfo and/or availableChannelInfo fields which are significantly different from Step 17. |
| 24 | If AFC DUT used Out-of-band method, initiate connection procedure between AFC DUT and SP Access Point by following instructions provided by the AFC DUT Vendor                                                                                                                                |
| 25 | Wait for 60 seconds (configurable)<br>RF Test Equipment monitors any transmission by the AFC DUT conforms to the conditions contained in the latest Available Spectrum Inquiry Response and does not exceed emissions limits in adjacent frequencies                                          |

### 3.1.2 Test Result

Refer as Appendix A~C



## 3.2 Unsuccessful Spectrum Access Request

### 3.2.1 Test Procedure

| Step | Description                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1    | If the AFC DUT is Standard Power Access Point, go to Step 2, else go to Step 7                                                                                                                                                                                                                                                                                                                                                                  |
| 2    | AFC DUT set to Initial Pre-test State.<br>If needed (see Table 5 declaration), configure the AFC DUT with BSS parameters per Table 9 and a temporary test regulatory identifier (e.g., FCC ID), geographic coordinates, antenna height, and uncertainty parameters.<br>Configure the AFC DUT with AFC System URL and server root certificate.<br>Trigger the AFC DUT to send to the AFC DUT Test Harness an Available Spectrum Inquiry Request. |
| 3    | AFC DUT sends a valid Available Spectrum Inquiry Request containing the inquiredFrequencyRange and/or the inquiredChannels fields*.                                                                                                                                                                                                                                                                                                             |
| 4    | AFC DUT Test Harness validates mandatory registration information.                                                                                                                                                                                                                                                                                                                                                                              |
| 5    | AFC DUT Test Harness sends an Available Spectrum Inquiry Response indicating that no frequency ranges and/or channels are available.                                                                                                                                                                                                                                                                                                            |
| 6    | Throughout Step 2 to Step 5 and subsequent to Step 5, RF Test Equipment monitors the output of the AFC DUT to confirm the following: <ul style="list-style-type: none"><li>• For SP only operation, AFC DUT does not transmit in the band.</li><li>• For AFC DUT whose manufacturer attests to its compliance with rules for LPI operation, the AFC DUT does not transmit above LPI limits.</li></ul>                                           |
| 7    | If the AFC DUT is Fixed Client, go to Step 8 else Stop the test                                                                                                                                                                                                                                                                                                                                                                                 |
| 8    | The AFC DUT set to Initial Pre-test State.                                                                                                                                                                                                                                                                                                                                                                                                      |
| 9    | If needed (see Table 5 declaration), configure the AFC DUT with a temporary test regulatory identifier (e.g., FCC ID or IC ID), geographic coordinates, antenna height, and uncertainty parameters.<br>Configure the AFC DUT with AFC System URL and server root certificate.<br>Trigger the AFC DUT to send to the AFC DUT Test Harness an Available Spectrum Inquiry Request.                                                                 |
| 10   | AFC DUT sends a valid Available Spectrum Inquiry Request containing the inquiredFrequencyRange and/or the inquiredChannels fields*.                                                                                                                                                                                                                                                                                                             |
| 11   | AFC DUT Test Harness validates mandatory registration information.                                                                                                                                                                                                                                                                                                                                                                              |
| 12   | AFC DUT Test Harness sends an Available Spectrum Inquiry Response indicating that no frequency ranges and/or channels are available using either In-band or Out-of-band methods.                                                                                                                                                                                                                                                                |
| 13   | If AFC DUT used Out-of-band method, initiate connection procedure between Fixed Client and SP Access Point by following instructions provided by the AFC DUT Vendor                                                                                                                                                                                                                                                                             |
| 13   | Wait for 60 seconds<br>RF Test Equipment monitors that the AFC DUT does not transmit above maximum transmit power limits advertised by the Standard Power Access Point for Standard Client Devices in the channel.                                                                                                                                                                                                                              |

### 3.2.2 Test Result

Refer as Appendix A~C



### 3.3 Successful Spectrum Access Update

#### 3.3.1 Test Procedure

| Step | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1    | If the AFC DUT is Standard Power Access Point, go to Step 2, else go to Step 12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 2    | AFC DUT set to Initial Pre-test State.<br>If needed (see Table 5 declaration), configure the DUT with BSS parameters per Table 9 and a temporary test regulatory identifier (e.g., FCC ID), geographic coordinates, antenna height, and uncertainty parameters.<br>Configure the AFC DUT with AFC System URL and server root certificate.<br>Trigger the AFC DUT to send to the AFC DUT Test Harness an Available Spectrum Inquiry Request.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 3    | AFC DUT sends a valid Available Spectrum Inquiry Request containing the inquiredFrequencyRange and/or the inquiredChannels fields*.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 4    | AFC DUT Harness validates mandatory registration information.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 5    | AFC DUT Test Harness sends an Available Spectrum Inquiry Response containing a list of available frequency ranges and/or channels and the maximum permissible transmit power in the availableFrequencyInfo and/or availableChannelInfo fields.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 6    | Throughout the preceding steps, RF Test Equipment monitors the output of the AFC DUT to confirm that the AFC DUT does not transmit: <ul style="list-style-type: none"><li>• In the band if the AFC DUT supports only SP operation</li></ul> Or <ul style="list-style-type: none"><li>• Above LPI limits for AFC DUT whose manufacturer attests to its compliance with rules for LPI operation</li></ul> Wait for 60 seconds<br>RF Test Equipment monitors any transmission by the AFC DUT conforms to the following: <ul style="list-style-type: none"><li>• For SP only operation, AFC DUT conforms to the conditions contained in the Available Spectrum Inquiry Response and does not exceed emissions limits in adjacent frequencies.</li><li>• For AFC DUT whose manufacturer attests to its compliance with rules for LPI operation, AFC DUT transmit power in the band is less than CEILING [LPI limits, SP limits contained in the Available Spectrum Inquiry Response] and does not exceed emissions limits in adjacent frequencies.</li></ul> |
| 7    | AFC DUT is power cycled.<br>If needed (see Table 5 declaration), configure the AFC DUT with a temporary test regulatory identifier (e.g., FCC ID), new geographic coordinates, antenna height, and uncertainty parameters.<br>Configure the AFC DUT with AFC System URL and server root certificate.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 8    | Wait for 60 seconds<br>If the AFC DUT does not send an Available Spectrum Inquiry Request, RF Test Equipment monitors the output of the AFC DUT to verify the following and STOP the test <ul style="list-style-type: none"><li>• For SP only operation, AFC DUT does not transmit in the band.</li><li>• For AFC DUT whose manufacturer attests to its compliance with rules for LPI operation, the AFC DUT does not transmit above LPI limits.</li></ul> If the AFC DUT sends an Available Spectrum Inquiry Request, then CONTINUE with Step 9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 9    | AFC DUT Test Harness evaluates validity of mandatory registration information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 10   | AFC DUT Test Harness waits for 60 seconds before sending an Available Spectrum Inquiry Response containing a list of available frequency ranges and/or channels and the maximum permissible transmit power in the availableFrequencyInfo and/or availableChannelInfo fields which are significantly different from Step 5. <ul style="list-style-type: none"><li>• During the 60 seconds wait time:<ul style="list-style-type: none"><li>• For AFC DUT whose manufacturer attests to its compliance with rules for LPI operation, RF Test Equipment monitors the output of the AFC DUT to confirm that AFC DUT does not transmit above LPI threshold limits</li><li>• For SP only operation, RF Test Equipment monitors the output of the AFC DUT to confirm that AFC DUT doesn't transmit in the band</li></ul></li></ul>                                                                                                                                                                                                                              |
| 11   | Wait for 60 seconds<br>RF Test Equipment monitors any transmission by the AFC DUT conforms to the following: <ul style="list-style-type: none"><li>• For SP only operation, AFC DUT conforms to the conditions contained in the Available Spectrum Inquiry Response and does not exceed emissions limits in adjacent frequencies.</li><li>• For AFC DUT whose manufacturer attests to its compliance with rules for LPI operation, AFC DUT transmit power in the band is less than CEILING [LPI limits, SP limits contained in the Available Spectrum Inquiry Response] and does not exceed emissions limits in adjacent frequencies.</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                         |
| 12   | If the AFC DUT is Fixed Client, go to Step 13 else Stop the test                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |



|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 13 | The AFC DUT set to Initial Pre-test State.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 14 | If needed (see Table 5 declaration), configure the AFC DUT with a temporary test regulatory identifier (e.g., FCC ID), geographic coordinates, antenna height, and uncertainty parameters.<br>Configure the AFC DUT with AFC System URL and server root certificate.<br>Trigger the AFC DUT to send to the AFC DUT Test Harness an Available Spectrum Inquiry Request using either In-band or Out-of- band methods.                                                                                                                                                                              |
| 15 | AFC DUT sends a valid Available Spectrum Inquiry Request containing the inquiredFrequencyRange and/or the inquiredChannels fields*                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 16 | AFC DUT Test Harness validates the presence of mandatory registration information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 17 | AFC DUT Test Harness sends an Available Spectrum Inquiry Response containing a list of available frequency ranges and/or channels and the maximum permissible transmit power in the availableFrequencyInfo and/or availableChannelInfo fields.                                                                                                                                                                                                                                                                                                                                                   |
| 18 | If AFC DUT used Out-of-band method, initiate connection procedure between AFC DUT and SP Access Point by following instructions provided by the AFC DUT Vendor                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 19 | Wait for 60 seconds<br>RF Test Equipment monitors any transmission by the AFC DUT conforms to the conditions contained in the Available Spectrum Inquiry Response and does not exceed emissions limits in adjacent frequencies                                                                                                                                                                                                                                                                                                                                                                   |
| 20 | AFC DUT is power cycled.<br>If needed (see Table 5 declaration), configure the AFC DUT with a temporary test regulatory identifier (e.g., FCC ID), new geographic coordinates, antenna height, and uncertainty parameters.<br>Configure the AFC DUT with AFC System URL and server root certificate                                                                                                                                                                                                                                                                                              |
| 21 | Wait for 60 seconds<br>If the AFC DUT does not send an Available Spectrum Inquiry Request, RF Test Equipment monitors the output of the AFC DUT to verify the AFC DUT does not transmit above maximum transmit power limits advertised by the Standard Power Access Point for Standard Client Devices in the channel and STOP the test.<br>If the AFC DUT sends an Available Spectrum Inquiry Request, then CONTINUE with Step 21                                                                                                                                                                |
| 22 | AFC DUT Test Harness evaluates validity of mandatory registration information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 23 | AFC DUT Test Harness waits for 60 seconds before sending an Available Spectrum Inquiry Response containing a list of available frequency ranges and/or channels and the maximum permissible transmit power in the availableFrequencyInfo and/or availableChannelInfo fields which are significantly different from step 17.<br>During the 60 seconds wait time, RF Test Equipment monitors the output of the AFC DUT to confirm that the AFC DUT does not transmit above maximum transmit power limits advertised by the Standard Power Access Point for Standard Client Devices in the channel. |
| 24 | If AFC DUT used Out-of-band method, initiate connection procedure between AFC DUT and SP Access Point by following instructions provided by the AFC DUT Vendor                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 25 | Wait for 60 seconds<br>RF Test Equipment monitors any transmission by the AFC DUT conforms to the conditions contained in the Available Spectrum Inquiry Response and does not exceed emissions limits in adjacent frequencies                                                                                                                                                                                                                                                                                                                                                                   |

### 3.3.2 Test Result

Refer as Appendix A~C





### 3.4 Unsuccessful Spectrum Access Update

#### 3.4.1 Test Procedure

| Step | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1    | If the AFC DUT is Standard Power Access Point, go to Step 2, else go to Step 12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 2    | AFC DUT set to Initial Pre-test State.<br>If needed (see Table 5 declaration), configure the AFC DUT with BSS parameters per Table 9 and a temporary test regulatory identifier (e.g., FCC ID), geographic coordinates, antenna height, and uncertainty parameters.<br>Configure the DUT with AFC System URL and server root certificate.<br>Trigger the DUT to send to the AFC DUT Test Harness an Available Spectrum Inquiry Request using either In-band or Out-of-band methods.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 3    | AFC DUT sends a valid Available Spectrum Inquiry Request containing the inquiredFrequencyRange and/or the inquiredChannels fields.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 4    | AFC DUT Test Harness validates mandatory registration information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 5    | AFC DUT Test Harness sends an Available Spectrum Inquiry Response containing a list of available frequency ranges and/or channels and the maximum permissible transmit power in the availableFrequencyInfo and/or availableChannelInfo fields.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 6    | Throughout the Step 2 to 5, RF Test Equipment monitors the output of the AFC DUT to confirm that the AFC DUT does not transmit: <ul style="list-style-type: none"><li>In the band if the AFC DUT supports only SP operation</li></ul> Or <ul style="list-style-type: none"><li>Above LPI limits for AFC DUT whose manufacturer attests to its compliance with rules for LPI operation</li></ul> Wait for 60 seconds<br>RF Test Equipment monitors any transmission by the AFC DUT conforms to the following: <ul style="list-style-type: none"><li>For SP only operation, AFC DUT conforms to the conditions contained in the Available Spectrum Inquiry Response and does not exceed emissions limits in adjacent frequencies.</li></ul> For AFC DUT whose manufacturer attests to its compliance with rules for LPI operation, AFC DUT transmit power in the band is less than CEILING [LPI limits, SP limits contained in the Available Spectrum Inquiry Response] and does not exceed emissions limits in adjacent frequencies |
| 7    | AFC DUT is power cycled.<br>If needed (see Table 5 declaration), configure the AFC DUT with a temporary test regulatory identifier (e.g., FCC ID), new geographic coordinates, antenna height, and uncertainty parameters.<br>Configure the AFC DUT with AFC System URL and server root certificate.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 8    | Wait for 60 seconds <ul style="list-style-type: none"><li>If the AFC DUT does not send an Available Spectrum Inquiry Request, RF Test Equipment monitors the output of the DUT to verify the following and STOP the test:<ul style="list-style-type: none"><li>For SP only operation, AFC DUT does not transmit in the band,</li><li>For AFC DUT whose manufacturer attests to its compliance with rules for LPI operation, the AFC DUT does not transmit above LPI limits.</li></ul></li><li>If the AFC DUT sends an Available Spectrum Inquiry Request, then CONTINUE with Step 8</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 9    | AFC DUT Test Harness evaluates validity of mandatory registration information.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 10   | AFC DUT Test Harness sends an Available Spectrum Inquiry Response indicating that no frequency ranges and/or channels are available.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 11   | Throughout Step 7 to 10 and subsequent to Step 10 Test Equipment monitors the output of the AFC DUT to confirm that: For SP only operation, AFC DUT does not transmit in the band.<br>For AFC DUT whose manufacturer attests to its compliance with rules for LPI operation, the AFC DUT does not transmit above LPI limits.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 12   | If the AFC DUT is Fixed Client, go to Step 13 else Stop the test                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 13   | The AFC DUT set to Initial Pre-test State.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 14   | If needed (see Table 5 declaration), configure the DUT with a temporary test regulatory identifier (e.g., FCC ID), geographic coordinates, antenna height, and uncertainty parameters.<br>Configure the AFC DUT with AFC System URL and server root certificate.<br>Trigger the AFC DUT to send to the AFC DUT Test Harness an Available Spectrum Inquiry Request using either In-band or Out-of- band methods.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 15   | AFC DUT sends a valid Available Spectrum Inquiry Request containing the inquiredFrequencyRange and/or the inquiredChannels fields*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 16   | AFC DUT Test Harness validates the presence of mandatory registration information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |



|    |                                                                                                                                                                                                                                                                                                                                                                                                      |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 17 | AFC DUT Test Harness sends an Available Spectrum Inquiry Response containing a list of available frequency ranges and/or channels and the maximum permissible transmit power in the availableFrequencyInfo and/or availableChannelInfo fields.                                                                                                                                                       |
| 18 | If AFC DUT used Out-of-band method, initiate connection procedure between AFC DUT and SP Access Point by following instructions provided by the AFC DUT Vendor                                                                                                                                                                                                                                       |
| 19 | Wait for 60 seconds<br>RF Test Equipment monitors any transmission by the AFC DUT conforms to the conditions contained in the Available Spectrum Inquiry Response and does not exceed emissions limits in adjacent frequencies                                                                                                                                                                       |
| 20 | AFC DUT is power cycled.<br>If needed (see Table 5 declaration), configure the AFC DUT with a temporary test regulatory identifier (e.g., FCC ID or IC ID), new geographic coordinates, antenna height, and uncertainty parameters.<br>Configure the AFC DUT with AFC System URL and server root certificate                                                                                         |
| 21 | Wait for 60 seconds<br>If the AFC DUT does not send an Available Spectrum Inquiry Request, RF Test Equipment monitors that the AFC DUT does not transmit above maximum transmit power limits advertised by the Standard Power Access Point for Standard Client Devices in the channel.,<br>If the AFC DUT sends an Available Spectrum Inquiry Request, then CONTINUE with Step 22 else STOP the test |
| 22 | AFC DUT Test Harness evaluates validity of mandatory registration information.                                                                                                                                                                                                                                                                                                                       |
| 23 | AFC DUT Test Harness sends an Available Spectrum Inquiry Response indicating that no frequency ranges and/or channels are available.                                                                                                                                                                                                                                                                 |
| 24 | If AFC DUT used Out-of-band method, initiate connection procedure between AFC DUT and SP Access Point by following instructions provided by the AFC DUT Vendor                                                                                                                                                                                                                                       |
| 25 | Wait for 60 seconds<br>RF Test Equipment monitors that the AFC DUT does not transmit above maximum transmit power limits advertised by the Standard Power Access Point for Standard Client Devices in the channel.                                                                                                                                                                                   |

### 3.4.2 Test Result

Refer as Appendix A~C



## 3.5 Unsuccessful Server Validation

### 3.5.1 Test Procedure

| Step | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1    | <p>The AFC DUT set to Initial Pre-test State.</p> <p>If needed (see Table 5 declaration), configure the AFC DUT with BSS parameters per Table 9 and a temporary test regulatory identifier (e.g., FCC ID), geographic coordinates, antenna height, and uncertainty parameters.</p> <p>Configure the AFC DUT Test Harness with TLS configuration that is the same as the default configuration defined in Section 2.3.1 except for the following:</p> <ul style="list-style-type: none"><li>Run 1: A different server certificate (and private key) with SAN domain name entry "badafc.com" (i.e. that does not match AFC system URL's domain name); signed by the same root certificate as per Section 2.3.1</li><li>Run 2: A different server certificate (and private key) where all attributes other than Public Key are the same as the server certificate per Section 2.3.1, but the certificate is signed by a different root certificate</li><li>Run 3: A different server certificate (and private key) with SAN domain name entry "wfatestorg.org" only (i.e. SAN domain name only matches suffix of AFC server's hostname); signed by the same root certificate as per Section 2.3.1</li><li>Run 4: A different server certificate (and private key) where all attributes other than Public Key are the same as the server certificate per Section 2.3.1 signed by the same root certificate as per Section 2.3.1, but the server certificate is revoked as indicated in stapled OCSP response</li><li>Run 5: Same configuration as per Section 2.3.1, except OCSP stapling is disabled and CRL/OCSP servers are not available</li><li>Run 6: Same configuration as per Section 2.3.1, except stapled OCSP response has expired and CRL/OCSP servers are not available</li><li>Run 7: Same configuration as per Section 2.3.1, except only the TLS cipher suite "eNULL" (no encryption) is enabled</li><li>Run 8: N/A (same configuration as per Section 2.3.1)</li></ul> <p>Configure the AFC DUT with the AFC System URL and the following root certificate:</p> <ul style="list-style-type: none"><li>Runs 1-7: Root certificate as per Section 2.3.1</li><li>Run 8: No root certificate</li></ul> <p>Trigger the AFC DUT to send to the AFC DUT Test Harness an Available Spectrum Inquiry Request using either In-band or Out-of-band methods.</p> |
| 2    | AFC DUT Test Harness waits 10 seconds, and verifies no Available Spectrum Inquiry Request is sent to it.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 3    | Steps 1 and 2 are repeated for each of the remaining Runs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

### 3.5.2 Test Result

Refer as Appendix A



#### 4 Test Equipment and Calibration Data

| Instrument              | Manufacturer/<br>Brand | Model No.  | Serial No. | Characteristics | Calibration<br>Date | Calibration<br>Due Date |
|-------------------------|------------------------|------------|------------|-----------------|---------------------|-------------------------|
| Spectrum Analyzer       | R&S                    | FSP40      | 100593     | 9 kHz ~ 40 GHz  | 11/Mar/2024         | 10/Mar/2025             |
| SENSE-15407_NII         | Sporton                | V5.11.20   | N/A        | N/A             | N/A                 | N/A                     |
| WFA-Quick<br>Track-Tool | WI-FI ALLIANCE         | 2.0.65.174 | N/A        | N/A             | N/A                 | N/A                     |



## **5 Measurement Uncertainty**

| <b>Test Items</b>  | <b>Uncertainty</b> | <b>Remark</b>            |
|--------------------|--------------------|--------------------------|
| Conducted Emission | 0.66 dB            | Confidence levels of 95% |

## AFC DUT Compliance Test Report

### DUT Information

|                   |                                        |
|-------------------|----------------------------------------|
| AFC DUT System    | Standard Power Access Point with Proxy |
| DUT Vendor Name   | ARISTA                                 |
| DUT Product Model | C-460E                                 |

### Test Result

| FCC Requirements | TestCaseName                                                                                                         | Test Result |
|------------------|----------------------------------------------------------------------------------------------------------------------|-------------|
| 15.407(k)(8)(v)  | <a href="#">CT_AFC_ServerValidation_AP_AFCDUSV35_NoRootCA_10639_1 (Unsuccessful server validation)</a>               | PASS        |
| 15.407(k)(8)(v)  | <a href="#">CT_AFC_ServerValidation_AP_AFCDUSV35_TLSCipherSuiteENULL_10638_1 (Unsuccessful server validation)</a>    | PASS        |
| 15.407(k)(8)(v)  | <a href="#">CT_AFC_ServerValidation_AP_AFCDUSV35_StapledOCSPRespExpired_10637_1 (Unsuccessful server validation)</a> | PASS        |
| 15.407(k)(8)(v)  | <a href="#">CT_AFC_ServerValidation_AP_AFCDUSV35_OCSPStaplingDisabled_10636_1 (Unsuccessful server validation)</a>   | PASS        |
| 15.407(k)(8)(v)  | <a href="#">CT_AFC_ServerValidation_AP_AFCDUSV35_ServerCertRevoked_10635_1 (Unsuccessful server validation)</a>      | PASS        |
| 15.407(k)(8)(v)  | <a href="#">CT_AFC_ServerValidation_AP_AFCDUSV35_MatchSuffixSAN_10634_1 (Unsuccessful server validation)</a>         | PASS        |
| 15.407(k)(8)(v)  | <a href="#">CT_AFC_ServerValidation_AP_AFCDUSV35_DifferentRootCA_10633_1 (Unsuccessful server validation)</a>        | PASS        |
| 15.407(k)(8)(v)  | <a href="#">CT_AFC_ServerValidation_AP_AFCDUSV35_NonMatchSAN_10632_1 (Unsuccessful server validation)</a>            | PASS        |

|                                                                                                                    |                                                                                                                     |      |
|--------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|------|
| 15.407(k)(1),<br>15.407(k)(8)(i),<br>15.407(k)(8)(ii),<br>15.407(k)(8)(iii),<br>15.407(l)(ii),<br>15.407(k)(8)(iv) | <a href="#">CT AFC SP AP AFCDRSA31 Channel 320MHz 10714 1 (Successful registration and spectrum access request)</a> | PASS |
| 15.407(k)(8)(i),<br>15.407(k)(8)(ii),<br>15.407(k)(9)(i)                                                           | <a href="#">CT AFC SP AP AFCDUAU34 Channel 10624 1 (Unsuccessful spectrum access update)</a>                        | PASS |
| 15.407(k)(8)(i),<br>15.407(k)(8)(ii),<br>15.407(k)(9)(i)                                                           | <a href="#">CT AFC SP AP AFCDSAU33 Channel 10623 1 (Successful spectrum access update)</a>                          | PASS |
| 15.407(k)(1),<br>15.407(k)(8)(i),<br>15.407(k)(8)(ii),<br>15.407(k)(8)(iii)                                        | <a href="#">CT AFC SP AP AFCDUSA32 Channel 10622 1 (Unsuccessful registration and spectrum access request)</a>      | PASS |
| 15.407(k)(1),<br>15.407(k)(8)(i),<br>15.407(k)(8)(ii),<br>15.407(k)(8)(iii),<br>15.407(l)(ii),<br>15.407(k)(8)(iv) | <a href="#">CT AFC SP AP AFCDRSA31 Channel 160MHz 10621 1 (Successful registration and spectrum access request)</a> | PASS |
| 15.407(k)(1),<br>15.407(k)(8)(i),<br>15.407(k)(8)(ii),<br>15.407(k)(8)(iii),<br>15.407(l)(ii),<br>15.407(k)(8)(iv) | <a href="#">CT AFC SP AP AFCDRSA31 Channel 80MHz 10620 1 (Successful registration and spectrum access request)</a>  | PASS |
| 15.407(k)(1),<br>15.407(k)(8)(i),<br>15.407(k)(8)(ii),<br>15.407(k)(8)(iii),<br>15.407(l)(ii),<br>15.407(k)(8)(iv) | <a href="#">CT AFC SP AP AFCDRSA31 Channel 40MHz 10619 1 (Successful registration and spectrum access request)</a>  | PASS |
| 15.407(k)(1),<br>15.407(k)(8)(i),<br>15.407(k)(8)(ii),<br>15.407(k)(8)(iii),<br>15.407(l)(ii),<br>15.407(k)(8)(iv) | <a href="#">CT AFC SP AP AFCDRSA31 Channel 20MHz 10618 1 (Successful registration and spectrum access request)</a>  | PASS |

**Test Measurements**

TestCaseName: CT\_AFC\_ServerValidation\_AP\_AFCDUSV35\_NoRootCA\_10639\_1 (Unsuccessful server validation)  
TestResult:PASS  
Band:6GHz

| Measurements Name                    | Description                                         | Value | Validation Result |
|--------------------------------------|-----------------------------------------------------|-------|-------------------|
| AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST | AFC DUT sends an Available Spectrum Inquiry Request | false | PASS              |

TestCaseName: CT\_AFC\_ServerValidation\_AP\_AFCDUSV35\_TLSCipherSuiteENULL\_10638\_1 (Unsuccessful server validation)  
TestResult:PASS  
Band:6GHz

| Measurements Name                    | Description                                         | Value | Validation Result |
|--------------------------------------|-----------------------------------------------------|-------|-------------------|
| AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST | AFC DUT sends an Available Spectrum Inquiry Request | false | PASS              |

TestCaseName: CT\_AFC\_ServerValidation\_AP\_AFCDUSV35\_StapledOCSPRespExpired\_10637\_1 (Unsuccessful server validation)  
TestResult:PASS  
Band:6GHz

| Measurements Name                    | Description                                         | Value | Validation Result |
|--------------------------------------|-----------------------------------------------------|-------|-------------------|
| AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST | AFC DUT sends an Available Spectrum Inquiry Request | false | PASS              |

TestCaseName: CT\_AFC\_ServerValidation\_AP\_AFCDUSV35\_OCSPStaplingDisabled\_10636\_1 (Unsuccessful server validation)  
TestResult:PASS  
Band:6GHz

| Measurements Name                    | Description                                         | Value | Validation Result |
|--------------------------------------|-----------------------------------------------------|-------|-------------------|
| AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST | AFC DUT sends an Available Spectrum Inquiry Request | false | PASS              |





TestCaseName: CT\_AFC\_ServerValidation\_AP\_AFCDUSV35\_ServerCertRevoked\_10635\_1 (Unsuccessful server validation)  
TestResult:PASS  
Band:6GHz

| Measurements Name                    | Description                                         | Value | Validation Result |
|--------------------------------------|-----------------------------------------------------|-------|-------------------|
| AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST | AFC DUT sends an Available Spectrum Inquiry Request | false | PASS              |

TestCaseName: CT\_AFC\_ServerValidation\_AP\_AFCDUSV35\_MatchSuffixSAN\_10634\_1 (Unsuccessful server validation)  
TestResult:PASS  
Band:6GHz

| Measurements Name                    | Description                                         | Value | Validation Result |
|--------------------------------------|-----------------------------------------------------|-------|-------------------|
| AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST | AFC DUT sends an Available Spectrum Inquiry Request | false | PASS              |

TestCaseName: CT\_AFC\_ServerValidation\_AP\_AFCDUSV35\_DifferentRootCA\_10633\_1 (Unsuccessful server validation)  
TestResult:PASS  
Band:6GHz

| Measurements Name                    | Description                                         | Value | Validation Result |
|--------------------------------------|-----------------------------------------------------|-------|-------------------|
| AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST | AFC DUT sends an Available Spectrum Inquiry Request | false | PASS              |

TestCaseName: CT\_AFC\_ServerValidation\_AP\_AFCDUSV35\_NonMatchSAN\_10632\_1 (Unsuccessful server validation)  
TestResult:PASS  
Band:6GHz

| Measurements Name                    | Description                                         | Value | Validation Result |
|--------------------------------------|-----------------------------------------------------|-------|-------------------|
| AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST | AFC DUT sends an Available Spectrum Inquiry Request | false | PASS              |

**TestCaseName:** CT\_AFC\_SP\_AP\_AFCDRSA31\_Channel\_320MHz\_10714\_1 (Successful registration and spectrum access request)

**TestResult:**PASS

**Band:**6GHz

| Measurements Name                          | Description                                                                                                                 | Value | Validation Result |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|-------|-------------------|
| AFC_DUT_SP_OPERATION                       | AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response                                       | false | PASS              |
| AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_1     | AFC DUT sends an Available Spectrum Inquiry Request                                                                         | true  | PASS              |
| AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1    | Valid mandatory registration information                                                                                    | true  | PASS              |
| AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1 | AFC DUT conforms to the conditions in Spectrum Response (33.2 dBm EIRP) on channel center frequency index 63 bandwidth 320. | true  | PASS              |
| AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_2     | AFC DUT sends an Available Spectrum Inquiry Request                                                                         | true  | PASS              |
| AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_2    | Valid mandatory registration information                                                                                    | true  | PASS              |
| AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_2 | AFC DUT conforms to the conditions in Spectrum Response (33.7 dBm EIRP) on channel center frequency index 31 bandwidth 320. | true  | PASS              |

**TestCaseName:** CT\_AFC\_SP\_AP\_AFCDUAU34\_Channel\_10624\_1 (Unsuccessful spectrum access update)

**TestResult:**PASS

**Band:**6GHz

| Measurements Name                    | Description                                                                           | Value | Validation Result |
|--------------------------------------|---------------------------------------------------------------------------------------|-------|-------------------|
| AFC_DUT_SP_OPERATION                 | AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response | false | PASS              |
| AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST | AFC DUT sends an Available Spectrum Inquiry Request                                   | true  | PASS              |

|                                            |                                                                                                     |       |      |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------|-------|------|
| AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1    | Valid mandatory registration information                                                            | true  | PASS |
| AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1 | AFC DUT conforms to the conditions in Spectrum Response (36.0 dBm EIRP) on channel 53 bandwidth 20. | true  | PASS |
| AFC_DUT_SP_OPERATION_NO_REQ                | AFC DUT transmit with standard power in the band in no Spectrum Inquiry Request case                | false | PASS |

**TestCaseName:** CT\_AFC\_SP\_AP\_AFCDSAU33\_Channel\_10623\_1 (Successful spectrum access update)  
**TestResult:** PASS  
**Band:** 6GHz

| Measurements Name                          | Description                                                                                          | Value | Validation Result |
|--------------------------------------------|------------------------------------------------------------------------------------------------------|-------|-------------------|
| AFC_DUT_SP_OPERATION_1                     | AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response                | false | PASS              |
| AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST       | AFC DUT sends an Available Spectrum Inquiry Request                                                  | true  | PASS              |
| AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1    | Valid mandatory registration information                                                             | true  | PASS              |
| AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1 | AFC DUT conforms to the conditions in Spectrum Response (25.4 dBm EIRP) on channel 165 bandwidth 20. | true  | PASS              |
| AFC_DUT_SP_OPERATION_NO_REQ                | AFC DUT transmit with standard power in the band in no Spectrum Inquiry Request case                 | false | PASS              |

**TestCaseName:** CT\_AFC\_SP\_AP\_AFCDUSA32\_Channel\_10622\_1 (Unsuccessful registration and spectrum access request)  
**TestResult:**PASS  
**Band:**6GHz

| Measurements Name                        | Description                                                                           | Value | Validation Result |
|------------------------------------------|---------------------------------------------------------------------------------------|-------|-------------------|
| AFC_DUT_SP_OPERATION                     | AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response | false | PASS              |
| AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST     | AFC DUT sends an Available Spectrum Inquiry Request                                   | true  | PASS              |
| AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID    | Valid mandatory registration information                                              | true  | PASS              |
| AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE | AFC DUT conforms to the conditions in the Spectrum Inquiry Response                   | true  | PASS              |

**TestCaseName:** CT\_AFC\_SP\_AP\_AFCDRSA31\_Channel\_160MHz\_10621\_1 (Successful registration and spectrum access request)  
**TestResult:**PASS  
**Band:**6GHz

| Measurements Name                          | Description                                                                                                                  | Value | Validation Result |
|--------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|-------|-------------------|
| AFC_DUT_SP_OPERATION                       | AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response                                        | false | PASS              |
| AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_1     | AFC DUT sends an Available Spectrum Inquiry Request                                                                          | true  | PASS              |
| AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1    | Valid mandatory registration information                                                                                     | true  | PASS              |
| AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1 | AFC DUT conforms to the conditions in Spectrum Response (30.4 dBm EIRP) on channel center frequency index 143 bandwidth 160. | true  | PASS              |
| AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_2     | AFC DUT sends an Available Spectrum Inquiry Request                                                                          | true  | PASS              |

|                                            |                                                                                                                             |      |      |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|------|------|
| AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_2    | Valid mandatory registration information                                                                                    | true | PASS |
| AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_2 | AFC DUT conforms to the conditions in Spectrum Response (30.1 dBm EIRP) on channel center frequency index 79 bandwidth 160. | true | PASS |

**TestCaseName:** CT\_AFC\_SP\_AP\_AFCDRSA31\_Channel\_80MHz\_10620\_1 (Successful registration and spectrum access request)

**TestResult:**PASS

**Band:**6GHz

| Measurements Name                          | Description                                                                                                                 | Value | Validation Result |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|-------|-------------------|
| AFC_DUT_SP_OPERATION                       | AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response                                       | false | PASS              |
| AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_1     | AFC DUT sends an Available Spectrum Inquiry Request                                                                         | true  | PASS              |
| AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1    | Valid mandatory registration information                                                                                    | true  | PASS              |
| AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1 | AFC DUT conforms to the conditions in Spectrum Response (33.4 dBm EIRP) on channel center frequency index 87 bandwidth 80.  | true  | PASS              |
| AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_2     | AFC DUT sends an Available Spectrum Inquiry Request                                                                         | true  | PASS              |
| AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_2    | Valid mandatory registration information                                                                                    | true  | PASS              |
| AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_2 | AFC DUT conforms to the conditions in Spectrum Response (29.5 dBm EIRP) on channel center frequency index 135 bandwidth 80. | true  | PASS              |

TestCaseName: CT\_AFC\_SP\_AP\_AFCDRSA31\_Channel\_40MHz\_10619\_1 (Successful registration and spectrum access request)

TestResult:PASS

Band:6GHz

| Measurements Name                          | Description                                                                                                                 | Value | Validation Result |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|-------|-------------------|
| AFC_DUT_SP_OPERATION                       | AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response                                       | false | PASS              |
| AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_1     | AFC DUT sends an Available Spectrum Inquiry Request                                                                         | true  | PASS              |
| AFC_DUT_SPECTRUM_INQUIRYREQUEST_VAL_ID_1   | Valid mandatory registration information                                                                                    | true  | PASS              |
| AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1 | AFC DUT conforms to the conditions in Spectrum Response (29.9 dBm EIRP) on channel center frequency index 147 bandwidth 40. | true  | PASS              |
| AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_2     | AFC DUT sends an Available Spectrum Inquiry Request                                                                         | true  | PASS              |
| AFC_DUT_SPECTRUM_INQUIRYREQUEST_VAL_ID_2   | Valid mandatory registration information                                                                                    | true  | PASS              |
| AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_2 | AFC DUT conforms to the conditions in Spectrum Response (26.9 dBm EIRP) on channel center frequency index 83 bandwidth 40.  | true  | PASS              |

TestCaseName: CT\_AFC\_SP\_AP\_AFCDRSA31\_Channel\_20MHz\_10618\_1 (Successful registration and spectrum access request)

TestResult:PASS

Band:6GHz

| Measurements Name                      | Description                                                                           | Value | Validation Result |
|----------------------------------------|---------------------------------------------------------------------------------------|-------|-------------------|
| AFC_DUT_SP_OPERATION                   | AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response | false | PASS              |
| AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_1 | AFC DUT sends an Available Spectrum Inquiry Request                                   | true  | PASS              |

|                                                |                                                                                                               |      |      |
|------------------------------------------------|---------------------------------------------------------------------------------------------------------------|------|------|
| AFC_DUT_SPECTRUM_INQUIRYREQUEST_VAL<br>ID_1    | Valid mandatory registration<br>information                                                                   | true | PASS |
| AFC_DUT_CONFORM_SPECTRUM_INQUIRYRE<br>SPONSE_1 | AFC DUT conforms to the<br>conditions in Spectrum<br>Response (25.6 dBm EIRP) on<br>channel 133 bandwidth 20. | true | PASS |
| AFC_DUT_SEND_SPECTRUM_INQUIRYREQUE<br>ST_2     | AFC DUT sends an Available<br>Spectrum Inquiry Request                                                        | true | PASS |
| AFC_DUT_SPECTRUM_INQUIRYREQUEST_VAL<br>ID_2    | Valid mandatory registration<br>information                                                                   | true | PASS |
| AFC_DUT_CONFORM_SPECTRUM_INQUIRYRE<br>SPONSE_2 | AFC DUT conforms to the<br>conditions in Spectrum<br>Response (22.9 dBm EIRP) on<br>channel 5 bandwidth 20.   | true | PASS |



## AFC capability - Inquired Channel

```
CT_AFC_SP_AP_AFCDRSA31_Channel_20MHz_10618_1
##### 2024-08-14T00:49:32Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "Go-http-client/1.1",
    "Content-Type": "application/json",
    "Accept-Encoding": "gzip",
    "X-Forwarded-For": "35.184.85.234",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "554",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "1723600214-0",
        "deviceDescriptor": {
          "serialNumber": "Test-AP-C460E-1",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "TOR-C460"
            }
          ]
        },
        "location": {
          "ellipse": {
            "center": {
              "longitude": -122.984157,
              "latitude": 38.425056
            },
            "majorAxis": 28,
            "minorAxis": 28,
            "orientation": 0
          },
          "elevation": {
            "heightType": "AMSL",
            "height": 520
          }
        },
        "inquiredChannels": [
          {
            "globalOperatingClass": 131
          },
          {
            "globalOperatingClass": 133,
            "channelCfi": [
              7,
              23,
              39,
              55,
              71,
              87,
              103,
              119,
              135,
              151,
              167,
              183,
              199,
              215
            ]
          }
        ],
        "minDesiredPower": 0
      }
    ]
  }
}
##### 2024-08-14T00:49:32Z #####
{
```



```

"availableSpectrumInquiryResponses": [
  {
    "response": {
      "responseCode": 0,
      "shortDescription": "SUCCESS"
    },
    "availableChannelInfo": [
      {
        "channelCfi": [
          49,
          53,
          57,
          61,
          81,
          85,
          89,
          93,
          129,
          133,
          137,
          141,
          161,
          165,
          169,
          173
        ],
        "globalOperatingClass": 131,
        "maxEirp": [
          28.6,
          26.6,
          21.1,
          29.7,
          24.7,
          33.4,
          29.0,
          32.9,
          21.7,
          25.6,
          21.3,
          30.3,
          32.6,
          22.3,
          21.4,
          32.5
        ]
      },
      {
        "channelCfi": [
          55,
          87,
          135,
          167
        ],
        "globalOperatingClass": 133,
        "maxEirp": [
          27.1,
          30.7,
          27.3,
          27.4
        ]
      }
    ],
    "requestId": "1723600214-0",
    "availabilityExpireTime": "2024-08-15T00:49:32Z",
    "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
  },
  {
    "version": "1.4"
  }
]
##### 2024-08-14T00:56:02Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "Go-http-client/1.1",
    "Content-Type": "application/json",
    "Accept-Encoding": "gzip",
    "X-Forwarded-For": "35.184.85.234",
  }
}

```

```

"X-Forwarded-Host": "testserver.wfatestorg.org",
"X-Forwarded-Server": "testserver.wfatestorg.org",
"Content-Length": "554",
"Connection": "Keep-Alive"
},
"body": {
  "version": "1.4",
  "availableSpectrumInquiryRequests": [
    {
      "requestId": "1723600614-0",
      "deviceDescriptor": {
        "serialNumber": "Test-AP-C460E-1",
        "certificationId": [
          {
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
            "id": "TOR-C460"
          }
        ]
      },
      "location": {
        "ellipse": {
          "center": {
            "longitude": -122.984157,
            "latitude": 38.425056
          },
          "majorAxis": 28,
          "minorAxis": 28,
          "orientation": 0
        },
        "elevation": {
          "heightType": "AMSL",
          "height": 520
        }
      },
      "inquiredChannels": [
        {
          "globalOperatingClass": 131
        },
        {
          "globalOperatingClass": 133,
          "channelCfi": [
            7,
            23,
            39,
            55,
            71,
            87,
            103,
            119,
            135,
            151,
            167,
            183,
            199,
            215
          ]
        }
      ],
      "minDesiredPower": 0
    }
  ]
}
}

##### 2024-08-14T00:56:02Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableChannelInfo": [
        {
          "channelCfi": [
            1,
            5,
            9,

```

```

13,
17,
21,
25,
29,
33,
37,
41,
45,
65,
69,
73,
77,
145,
149,
153,
157
],
"globalOperatingClass": 131,
"maxEirp": [
25.9,
22.9,
21.6,
31.6,
29.4,
32.3,
26.1,
27.5,
34.1,
34.3,
29.9,
26.2,
32.9,
22.3,
22.4,
34.8,
23.5,
33.1,
21.0,
29.1
]
},
{
"channelCfi": [
7,
23,
39,
71,
151
],
"globalOperatingClass": 133,
"maxEirp": [
27.6,
32.1,
32.2,
28.3,
27.0
]
}
],
"requestId": "1723600614-0",
"availabilityExpireTime": "2024-08-15T00:56:02Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}

```

```

CT AFC SP AP AFCDRSA31 Channel 40MHz 10619 1
##### 2024-08-14T01:05:51Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "Go-http-client/1.1",
    "Content-Type": "application/json",
    "Accept-Encoding": "gzip",
    "X-Forwarded-For": "35.184.85.234",

```

```

"X-Forwarded-Host": "testserver.wfatestorg.org",
"X-Forwarded-Server": "testserver.wfatestorg.org",
"Content-Length": "554",
"Connection": "Keep-Alive"
},
"body": {
  "version": "1.4",
  "availableSpectrumInquiryRequests": [
    {
      "requestId": "1723601193-0",
      "deviceDescriptor": {
        "serialNumber": "Test-AP-C460E-1",
        "certificationId": [
          {
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
            "id": "TOR-C460"
          }
        ]
      },
      "location": {
        "ellipse": {
          "center": {
            "longitude": -122.984157,
            "latitude": 38.425056
          },
          "majorAxis": 28,
          "minorAxis": 28,
          "orientation": 0
        },
        "elevation": {
          "heightType": "AMSL",
          "height": 540
        }
      },
      "inquiredChannels": [
        {
          "globalOperatingClass": 132
        },
        {
          "globalOperatingClass": 133,
          "channelCfi": [
            7,
            23,
            39,
            55,
            71,
            87,
            103,
            119,
            135,
            151,
            167,
            183,
            199,
            215
          ]
        }
      ],
      "minDesiredPower": 0
    }
  ]
}
}

##### 2024-08-14T01:05:51Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableChannelInfo": [
        {
          "channelCfi": [
            3,
            11,
            51,

```



```
59,
131,
139,
147,
155
],
"globalOperatingClass": 132,
"maxEirp": [
26.7,
30.0,
25.6,
28.4,
25.9,
30.1,
29.9,
31.8
]
},
{
"channelCfi": [
7,
55,
135,
151
],
"globalOperatingClass": 133,
"maxEirp": [
29.7,
28.6,
28.9,
32.9
]
}
],
"requestId": "1723601193-0",
"availabilityExpireTime": "2024-08-15T01:05:51Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
},
"version": "1.4"
}

##### 2024-08-14T01:11:06Z #####
{
"headers": {
"Host": "testserver.wfatestorg.org",
"User-Agent": "Go-http-client/1.1",
"Content-Type": "application/json",
"Accept-Encoding": "gzip",
"X-Forwarded-For": "35.184.85.234",
"X-Forwarded-Host": "testserver.wfatestorg.org",
"X-Forwarded-Server": "testserver.wfatestorg.org",
"Content-Length": "554",
"Connection": "Keep-Alive"
},
"body": {
"version": "1.4",
"availableSpectrumInquiryRequests": [
{
"requestId": "1723601518-0",
"deviceDescriptor": {
"serialNumber": "Test-AP-C460E-1",
"certificationId": [
{
"rulesetId": "US_47_CFR_PART_15_SUBPART_E",
"id": "TOR-C460"
}
]
}
}
]
},
"location": {
"ellipse": {
"center": {
"longitude": -122.984157,
"latitude": 38.425056
},
"majorAxis": 28,
"minorAxis": 28,
"orientation": 0
}
}
```

```

        },
        "elevation": {
            "heightType": "AMSL",
            "height": 540
        }
    },
    "inquiredChannels": [
        {
            "globalOperatingClass": 132
        },
        {
            "globalOperatingClass": 133,
            "channelCfi": [
                7,
                23,
                39,
                55,
                71,
                87,
                103,
                119,
                135,
                151,
                167,
                183,
                199,
                215
            ]
        }
    ],
    "minDesiredPower": 0
}
]
}
}

##### 2024-08-14T01:11:06Z #####
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
                "responseCode": 0,
                "shortDescription": "SUCCESS"
            },
            "availableChannelInfo": [
                {
                    "channelCfi": [
                        19,
                        27,
                        35,
                        43,
                        67,
                        75,
                        83,
                        91,
                        163,
                        171
                    ],
                    "globalOperatingClass": 132,
                    "maxEirp": [
                        24.1,
                        29.2,
                        31.8,
                        28.6,
                        32.5,
                        25.0,
                        26.9,
                        25.1,
                        34.8,
                        29.6
                    ]
                },
                {
                    "channelCfi": [
                        23,
                        39,
                        71,
                        87,

```

```

    167
    ],
    "globalOperatingClass": 133,
    "maxEirp": [
        27.1,
        31.6,
        28.0,
        28.1,
        32.6
    ]
    }
    ],
    "requestId": "1723601518-0",
    "availabilityExpireTime": "2024-08-15T01:11:06Z",
    "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
    }
    ],
    "version": "1.4"
}

CT AFC SP AP AFCDRSA31 Channel 80MHz 10620 1
##### 2024-08-14T01:21:50Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "Go-http-client/1.1",
    "Content-Type": "application/json",
    "Accept-Encoding": "gzip",
    "X-Forwarded-For": "35.184.85.234",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "461",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "1723602152-0",
        "deviceDescriptor": {
          "serialNumber": "Test-AP-C460E-1",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "TOR-C460"
            }
          ]
        },
        "location": {
          "ellipse": {
            "center": {
              "longitude": -122.984157,
              "latitude": 38.425056
            },
            "majorAxis": 28,
            "minorAxis": 28,
            "orientation": 0
          },
          "elevation": {
            "heightType": "AMSL",
            "height": 580
          }
        },
        "inquiredChannels": [
          {
            "globalOperatingClass": 133
          }
        ],
        "minDesiredPower": 0
      }
    ]
  }
}

##### 2024-08-14T01:21:50Z #####
{
  "availableSpectrumInquiryResponses": [

```

```

{
  "response": {
    "responseCode": 0,
    "shortDescription": "SUCCESS"
  },
  "availableChannelInfo": [
    {
      "channelCfi": [
        23,
        87,
        151,
        167
      ],
      "globalOperatingClass": 133,
      "maxEirp": [
        27.2,
        33.4,
        31.7,
        28.1
      ]
    }
  ],
  "requestId": "1723602152-0",
  "availabilityExpireTime": "2024-08-15T01:21:50Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}

##### 2024-08-14T01:27:20Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "Go-http-client/1.1",
    "Content-Type": "application/json",
    "Accept-Encoding": "gzip",
    "X-Forwarded-For": "35.184.85.234",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "461",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "1723602492-0",
        "deviceDescriptor": {
          "serialNumber": "Test-AP-C460E-1",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "TOR-C460"
            }
          ]
        }
      }
    ],
    "location": {
      "ellipse": {
        "center": {
          "longitude": -122.984157,
          "latitude": 38.425056
        },
        "majorAxis": 28,
        "minorAxis": 28,
        "orientation": 0
      },
      "elevation": {
        "heightType": "AMSL",
        "height": 580
      }
    },
    "inquiredChannels": [
      {
        "globalOperatingClass": 133
      }
    ],
    "minDesiredPower": 0
  }
}

```





```
    }
  ]
}
##### 2024-08-14T01:27:20Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableChannelInfo": [
        {
          "channelCfi": [
            7,
            39,
            55,
            71,
            135
          ],
          "globalOperatingClass": 133,
          "maxEirp": [
            27.5,
            27.1,
            28.7,
            33.4,
            29.5
          ]
        }
      ],
      "requestId": "1723602492-0",
      "availabilityExpireTime": "2024-08-15T01:27:20Z",
      "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
    }
  ],
  "version": "1.4"
}
```

```
CT_AFC_SP_AP_AFCDRSA31_Channel_160MHz_10621_1
##### 2024-08-14T01:41:49Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "Go-http-client/1.1",
    "Content-Type": "application/json",
    "Accept-Encoding": "gzip",
    "X-Forwarded-For": "35.184.85.234",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "461",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "1723603351-0",
        "deviceDescriptor": {
          "serialNumber": "Test-AP-C460E-1",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "TOR-C460"
            }
          ]
        },
        "location": {
          "ellipse": {
            "center": {
              "longitude": -122.984157,
              "latitude": 38.425056
            },
            "majorAxis": 28,
            "minorAxis": 28,
            "orientation": 0
          }
        }
      }
    ]
  }
}
```

```

        },
        "elevation": {
            "heightType": "AMSL",
            "height": 160
        }
    },
    "inquiredChannels": [
        {
            "globalOperatingClass": 134
        }
    ],
    "minDesiredPower": 0
}
]
}
}

##### 2024-08-14T01:41:49Z #####
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
                "responseCode": 0,
                "shortDescription": "SUCCESS"
            },
            "availableChannelInfo": [
                {
                    "channelCfi": [
                        47,
                        143
                    ],
                    "globalOperatingClass": 134,
                    "maxEirp": [
                        31.7,
                        30.4
                    ]
                }
            ],
            "requestId": "1723603351-0",
            "availabilityExpireTime": "2024-08-15T01:41:49Z",
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
        }
    ],
    "version": "1.4"
}

##### 2024-08-14T01:48:23Z #####
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "User-Agent": "Go-http-client/1.1",
        "Content-Type": "application/json",
        "Accept-Encoding": "gzip",
        "X-Forwarded-For": "35.184.85.234",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
        "Content-Length": "461",
        "Connection": "Keep-Alive"
    },
    "body": {
        "version": "1.4",
        "availableSpectrumInquiryRequests": [
            {
                "requestId": "1723603755-0",
                "deviceDescriptor": {
                    "serialNumber": "Test-AP-C460E-1",
                    "certificationId": [
                        {
                            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
                            "id": "TOR-C460"
                        }
                    ]
                },
                "location": {
                    "ellipse": {
                        "center": {
                            "longitude": -122.984157,
                            "latitude": 38.425056
                        }
                    }
                }
            }
        ]
    }
}

```

```

        },
        "majorAxis": 28,
        "minorAxis": 28,
        "orientation": 0
    },
    "elevation": {
        "heightType": "AMSL",
        "height": 160
    }
},
"inquiredChannels": [
    {
        "globalOperatingClass": 134
    }
],
"minDesiredPower": 0
}
]
}
}

##### 2024-08-14T01:48:23Z #####
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
                "responseCode": 0,
                "shortDescription": "SUCCESS"
            },
            "availableChannelInfo": [
                {
                    "channelCfi": [
                        15,
                        79
                    ],
                    "globalOperatingClass": 134,
                    "maxEirp": [
                        30.2,
                        30.1
                    ]
                }
            ],
            "requestId": "1723603755-0",
            "availabilityExpireTime": "2024-08-15T01:48:23Z",
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
        }
    ],
    "version": "1.4"
}

CT_AFC_SP_AP_AFCDRSA31_Channel_320MHz_10714_1
##### 2024-08-14T02:47:43Z #####
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "User-Agent": "Go-http-client/1.1",
        "Content-Type": "application/json",
        "Accept-Encoding": "gzip",
        "X-Forwarded-For": "35.184.85.234",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
        "Content-Length": "461",
        "Connection": "Keep-Alive"
    },
    "body": {
        "version": "1.4",
        "availableSpectrumInquiryRequests": [
            {
                "requestId": "1723607306-0",
                "deviceDescriptor": {
                    "serialNumber": "Test-AP-C460E-1",
                    "certificationId": [
                        {
                            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
                            "id": "TOR-C460"
                        }
                    ]
                }
            }
        ]
    }
}

```



```
    },
    "location": {
      "ellipse": {
        "center": {
          "longitude": -122.984157,
          "latitude": 38.425056
        },
        "majorAxis": 28,
        "minorAxis": 28,
        "orientation": 0
      },
      "elevation": {
        "heightType": "AMSL",
        "height": 320
      }
    },
    "inquiredChannels": [
      {
        "globalOperatingClass": 137
      }
    ],
    "minDesiredPower": 0
  }
}

##### 2024-08-14T02:47:43Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableChannelInfo": [
        {
          "channelCfi": [
            63
          ],
          "globalOperatingClass": 137,
          "maxEirp": [
            33.2
          ]
        }
      ],
      "requestId": "1723607306-0",
      "availabilityExpireTime": "2024-08-15T02:47:43Z",
      "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
    }
  ],
  "version": "1.4"
}

##### 2024-08-14T03:11:00Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "Go-http-client/1.1",
    "Content-Type": "application/json",
    "Accept-Encoding": "gzip",
    "X-Forwarded-For": "35.184.85.234",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "461",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "1723608712-0",
        "deviceDescriptor": {
          "serialNumber": "Test-AP-C460E-1",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "TOR-C460"
            }
          ]
        }
      }
    ]
  }
}
```

```

    }
  ]
  },
  "location": {
    "ellipse": {
      "center": {
        "longitude": -122.984157,
        "latitude": 38.425056
      },
      "majorAxis": 28,
      "minorAxis": 28,
      "orientation": 0
    },
    "elevation": {
      "heightType": "AMSL",
      "height": 320
    }
  },
  "inquiredChannels": [
    {
      "globalOperatingClass": 137
    }
  ],
  "minDesiredPower": 0
}
]
}
}

##### 2024-08-14T03:11:01Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableChannelInfo": [
        {
          "channelCfi": [
            31
          ],
          "globalOperatingClass": 137,
          "maxEirp": [
            33.7
          ]
        }
      ],
      "requestId": "1723608712-0",
      "availabilityExpireTime": "2024-08-15T03:11:00Z",
      "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
    }
  ],
  "version": "1.4"
}

CT AFC SP AP AFCDUSA32 Channel 10622 1
##### 2024-08-14T01:57:48Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "Go-http-client/1.1",
    "Content-Type": "application/json",
    "Accept-Encoding": "gzip",
    "X-Forwarded-For": "35.184.85.234",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "554",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "1723604310-0",
        "deviceDescriptor": {
          "serialNumber": "Test-AP-C460E-1",

```

```

        "certificationId": [
          {
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
            "id": "TOR-C460"
          }
        ]
      },
      "location": {
        "ellipse": {
          "center": {
            "longitude": -122.984157,
            "latitude": 38.425056
          },
          "majorAxis": 28,
          "minorAxis": 28,
          "orientation": 0
        },
        "elevation": {
          "heightType": "AMSL",
          "height": 520
        }
      },
      "inquiredChannels": [
        {
          "globalOperatingClass": 131
        },
        {
          "globalOperatingClass": 133,
          "channelCfi": [
            7,
            23,
            39,
            55,
            71,
            87,
            103,
            119,
            135,
            151,
            167,
            183,
            199,
            215
          ]
        }
      ],
      "minDesiredPower": 0
    },
    ],
  },
}

##### 2024-08-14T01:57:48Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableChannelInfo": [],
      "requestId": "1723604310-0",
      "availabilityExpireTime": "2024-08-15T01:57:48Z",
      "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
    }
  ],
  "version": "1.4"
}

CT AFC SP AP AFCDSAU33 Channel 10623 1
##### 2024-08-14T02:07:05Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "Go-http-client/1.1",
    "Content-Type": "application/json",
    "Accept-Encoding": "gzip",

```



```
"X-Forwarded-For": "35.184.85.234",
"X-Forwarded-Host": "testserver.wfatestorg.org",
"X-Forwarded-Server": "testserver.wfatestorg.org",
"Content-Length": "554",
"Connection": "Keep-Alive"
},
"body": {
  "version": "1.4",
  "availableSpectrumInquiryRequests": [
    {
      "requestId": "1723604867-0",
      "deviceDescriptor": {
        "serialNumber": "Test-AP-C460E-1",
        "certificationId": [
          {
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
            "id": "TOR-C460"
          }
        ]
      },
      "location": {
        "ellipse": {
          "center": {
            "longitude": -122.984157,
            "latitude": 38.425056
          },
          "majorAxis": 28,
          "minorAxis": 28,
          "orientation": 0
        },
        "elevation": {
          "heightType": "AMSL",
          "height": 520
        }
      },
      "inquiredChannels": [
        {
          "globalOperatingClass": 131
        },
        {
          "globalOperatingClass": 133,
          "channelCfi": [
            7,
            23,
            39,
            55,
            71,
            87,
            103,
            119,
            135,
            151,
            167,
            183,
            199,
            215
          ]
        }
      ],
      "minDesiredPower": 0
    }
  ]
}
}

##### 2024-08-14T02:07:05Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableChannelInfo": [
        {
          "channelCfi": [
            33,
            37,
```

```

41,
45,
81,
85,
89,
93,
129,
133,
137,
141,
161,
165,
169,
173
},
"globalOperatingClass": 131,
"maxEirp": [
22.2,
28.6,
24.1,
25.1,
24.2,
34.8,
23.1,
22.7,
21.5,
28.9,
27.3,
26.6,
25.2,
25.4,
31.7,
30.1
]
},
{
"channelCfi": [
39,
87,
135,
167
],
"globalOperatingClass": 133,
"maxEirp": [
28.2,
28.7,
27.5,
31.2
]
}
},
"requestId": "1723604867-0",
"availabilityExpireTime": "2024-08-15T02:07:05Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
},
"version": "1.4"
}

```

```

CT AFC SP AP AFCDUAU34 Channel 10624 1
##### 2024-08-14T02:29:00Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "Go-http-client/1.1",
    "Content-Type": "application/json",
    "Accept-Encoding": "gzip",
    "X-Forwarded-For": "35.184.85.234",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "554",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {

```





```
"requestId": "1723606182-0",
"deviceDescriptor": {
  "serialNumber": "Test-AP-C460E-1",
  "certificationId": [
    {
      "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
      "id": "TOR-C460"
    }
  ]
},
"location": {
  "ellipse": {
    "center": {
      "longitude": -122.984157,
      "latitude": 38.425056
    },
    "majorAxis": 28,
    "minorAxis": 28,
    "orientation": 0
  },
  "elevation": {
    "heightType": "AMSL",
    "height": 520
  }
},
"inquiredChannels": [
  {
    "globalOperatingClass": 131
  },
  {
    "globalOperatingClass": 133,
    "channelCfi": [
      7,
      23,
      39,
      55,
      71,
      87,
      103,
      119,
      135,
      151,
      167,
      183,
      199,
      215
    ]
  }
],
"minDesiredPower": 0
}
}
}

##### 2024-08-14T02:29:00Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableChannelInfo": [
        {
          "channelCfi": [
            1,
            5,
            9,
            13,
            17,
            21,
            25,
            29,
            33,
            37,
            41,
            45,

```

```

    ],
    "globalOperatingClass": 131,
    "maxEirp": [
      49,
      53,
      57,
      61,
      65,
      69,
      73,
      77,
      81,
      85,
      89,
      93,
      117,
      121,
      125,
      129,
      133,
      137,
      141,
      145,
      149,
      153,
      157,
      161,
      165,
      169,
      173,
      177,
      181
    ]
  },
  "channelCfi": [
    7,

```



```
23,  
39,  
55,  
71,  
87,  
135,  
151,  
167  
],  
"globalOperatingClass": 133,  
"maxEirp": [  
36.0,  
36.0,  
36.0,  
36.0,  
36.0,  
36.0,  
36.0,  
36.0,  
36.0,  
36.0  
]  
},  
],  
"requestId": "1723606182-0",  
"availabilityExpireTime": "2024-08-15T02:29:00Z",  
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"  
}  
],  
"version": "1.4"  
}
```

**AFC capability - Inquired Channel**

| <b>AFCD.RSA: Successful registration and spectrum access request</b> |                         |                        |                           |                    |                   |                                 |               |                      |                           |                                     |               |
|----------------------------------------------------------------------|-------------------------|------------------------|---------------------------|--------------------|-------------------|---------------------------------|---------------|----------------------|---------------------------|-------------------------------------|---------------|
| <b>Freq. (MHz)</b>                                                   | <b>Mode (LPI or SP)</b> | <b>Bandwidth (MHz)</b> | <b>Antenna Gain (dBi)</b> | <b>Power (dBm)</b> | <b>EIRP (dBm)</b> | <b>AFC Response Limit (dBm)</b> | <b>Result</b> | <b>PSD (dBm/MHz)</b> | <b>EIRP PSD (dBm/MHz)</b> | <b>AFC Response Limit (dBm/MHz)</b> | <b>Result</b> |
| 6615                                                                 | SP                      | 20                     | 5.3                       | 11.20              | 16.5              | 25.6                            | Pass          | -1.42                | 3.88                      | N/A                                 | Pass          |
| 5975                                                                 | SP                      | 20                     | 5.3                       | 12.89              | 18.19             | 22.9                            | Pass          | -0.56                | 4.74                      | N/A                                 | Pass          |
| 6685                                                                 | SP                      | 40                     | 5.3                       | 13.05              | 18.35             | 29.9                            | Pass          | -3.20                | 2.1                       | N/A                                 | Pass          |
| 6365                                                                 | SP                      | 40                     | 5.3                       | 13.19              | 18.49             | 26.9                            | Pass          | -3.41                | 1.89                      | N/A                                 | Pass          |
| 6385                                                                 | SP                      | 80                     | 5.3                       | 13.18              | 18.48             | 33.4                            | Pass          | -6.12                | -0.82                     | N/A                                 | Pass          |
| 6625                                                                 | SP                      | 80                     | 5.3                       | 12.24              | 17.54             | 29.5                            | Pass          | -7.11                | -1.81                     | N/A                                 | Pass          |
| 6665                                                                 | SP                      | 160                    | 5.3                       | 12.13              | 17.43             | 30.4                            | Pass          | -9.53                | -4.23                     | N/A                                 | Pass          |
| 6345                                                                 | SP                      | 160                    | 5.3                       | 13.06              | 18.36             | 30.1                            | Pass          | -8.76                | -3.46                     | N/A                                 | Pass          |
| 6265                                                                 | SP                      | 320                    | 5.3                       | 13.73              | 19.03             | 33.2                            | Pass          | -10.16               | -4.86                     | N/A                                 | Pass          |
| 6105                                                                 | SP                      | 320                    | 5.3                       | 13.94              | 19.24             | 33.7                            | Pass          | -11.23               | -5.93                     | N/A                                 | Pass          |

| <b>AFCD.SAU: Successful spectrum access update</b> |                         |                        |                           |                    |                   |                                 |               |                      |                           |                                     |               |
|----------------------------------------------------|-------------------------|------------------------|---------------------------|--------------------|-------------------|---------------------------------|---------------|----------------------|---------------------------|-------------------------------------|---------------|
| <b>Freq. (MHz)</b>                                 | <b>Mode (LPI or SP)</b> | <b>Bandwidth (MHz)</b> | <b>Antenna Gain (dBi)</b> | <b>Power (dBm)</b> | <b>EIRP (dBm)</b> | <b>AFC Response Limit (dBm)</b> | <b>Result</b> | <b>PSD (dBm/MHz)</b> | <b>EIRP PSD (dBm/MHz)</b> | <b>AFC Response Limit (dBm/MHz)</b> | <b>Result</b> |
| 6775                                               | SP                      | 20                     | 5.3                       | 13.31              | 18.61             | 25.4                            | Pass          | -0.23                | 5.07                      | N/A                                 | Pass          |

| <b>AFCD.UAU: Unsuccessful spectrum access update</b> |                         |                        |                           |                    |                   |                                 |               |                      |                           |                                     |               |
|------------------------------------------------------|-------------------------|------------------------|---------------------------|--------------------|-------------------|---------------------------------|---------------|----------------------|---------------------------|-------------------------------------|---------------|
| <b>Freq. (MHz)</b>                                   | <b>Mode (LPI or SP)</b> | <b>Bandwidth (MHz)</b> | <b>Antenna Gain (dBi)</b> | <b>Power (dBm)</b> | <b>EIRP (dBm)</b> | <b>AFC Response Limit (dBm)</b> | <b>Result</b> | <b>PSD (dBm/MHz)</b> | <b>EIRP PSD (dBm/MHz)</b> | <b>AFC Response Limit (dBm/MHz)</b> | <b>Result</b> |
| 6215                                                 | SP                      | 20                     | 5.3                       | 13.59              | 18.89             | 36                              | Pass          | 0.02                 | 5.32                      | N/A                                 | Pass          |

## AFC capability - Inquired Channel

CT\_AFC\_SP\_AP\_AFCRSA31\_Channel\_20MHz\_10618\_1

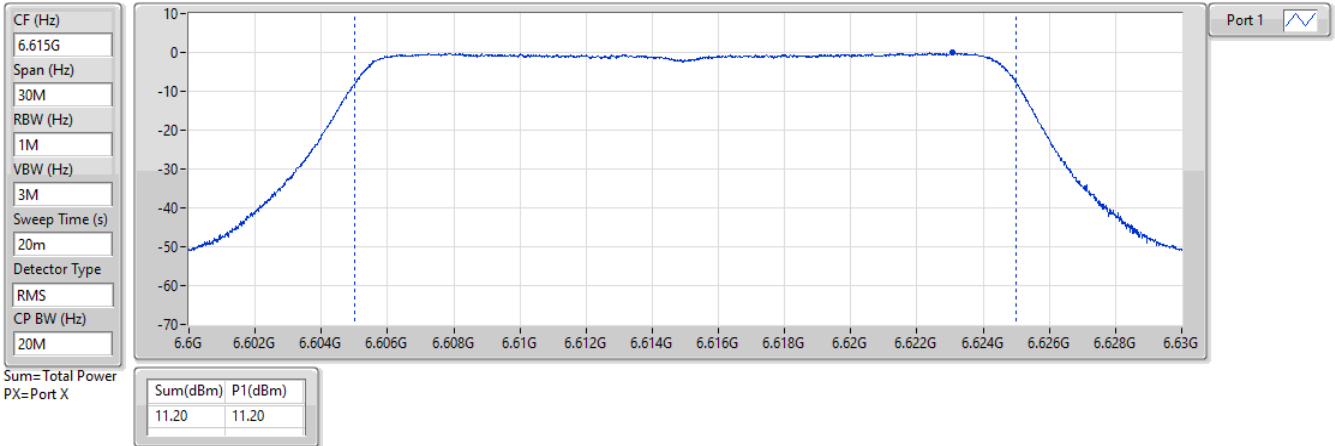
Frequency (MHz): 6615

6.525-6.875GHz\_802.11be EHT20 SP\_1TX

AV Power

6615MHz\_TX

14/08/2024

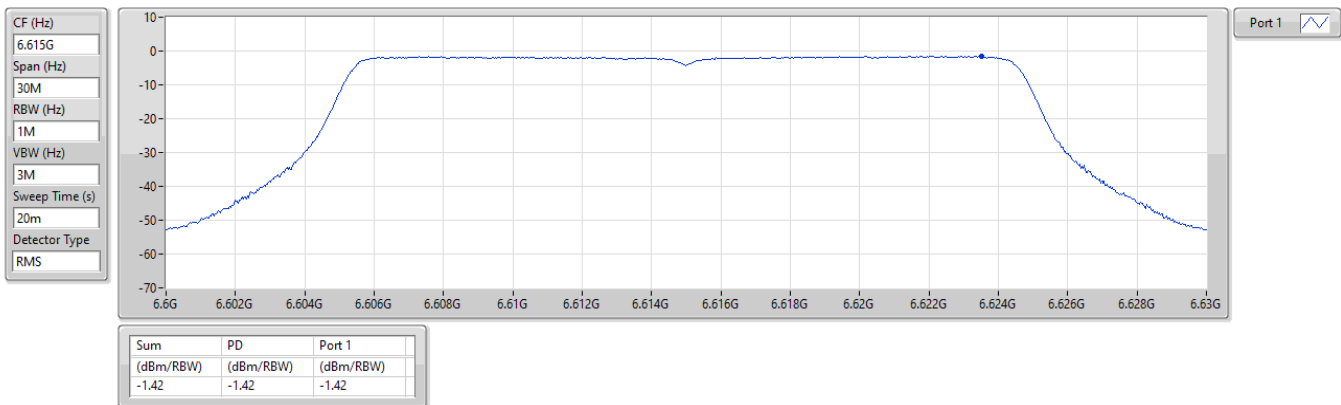


6.525-6.875GHz\_802.11be EHT20 SP\_1TX

PSD

6615MHz

14/08/2024



## Frequency (MHz): 5975

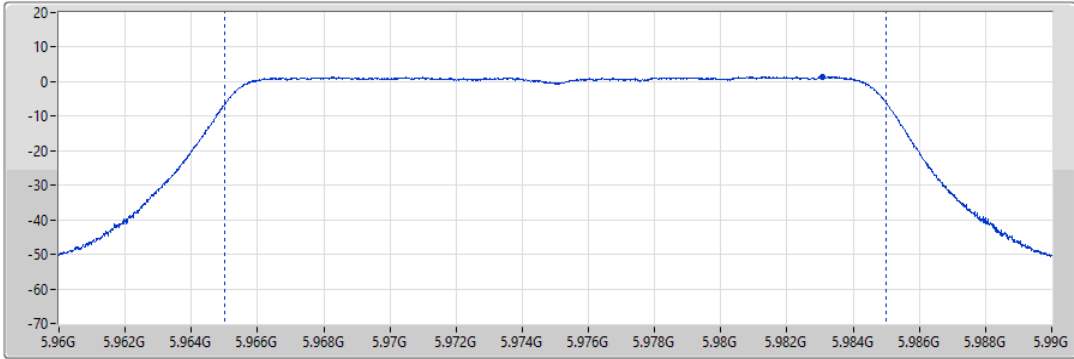
5.925-6.425GHz\_802.11be EHT20 SP\_1TX

AV Power

5975MHz\_TX

14/08/2024

CF (Hz)  
5.975G  
Span (Hz)  
30M  
RBW (Hz)  
1M  
VBW (Hz)  
3M  
Sweep Time (s)  
20m  
Detector Type  
RMS  
CP BW (Hz)  
20M



Port 1

Sum= Total Power  
PX=Port X

| Sum(dBm) | P1(dBm) |
|----------|---------|
| 12.89    | 12.89   |

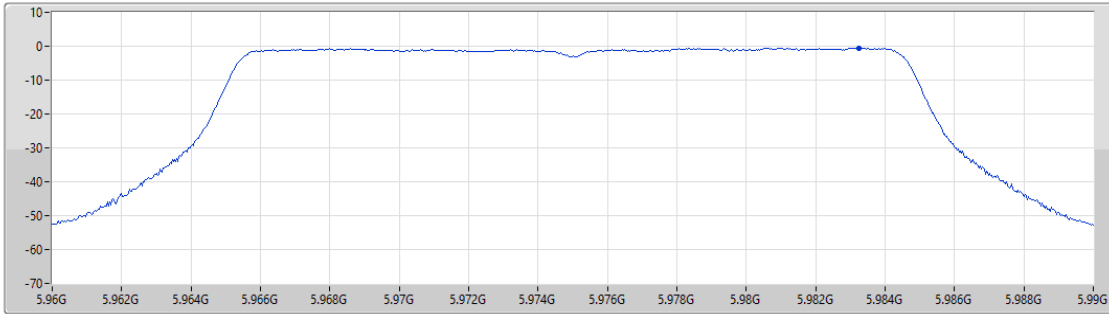
5.925-6.425GHz\_802.11be EHT20 SP\_1TX

PSD

5975MHz

14/08/2024

CF (Hz)  
5.975G  
Span (Hz)  
30M  
RBW (Hz)  
1M  
VBW (Hz)  
3M  
Sweep Time (s)  
20m  
Detector Type  
RMS



Port 1

| Sum      | PD       | Port 1   |
|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| -0.56    | -0.56    | -0.56    |

## CT\_AFC\_SP\_AP\_AFCRSA31\_Channel\_40MHz\_10619\_1

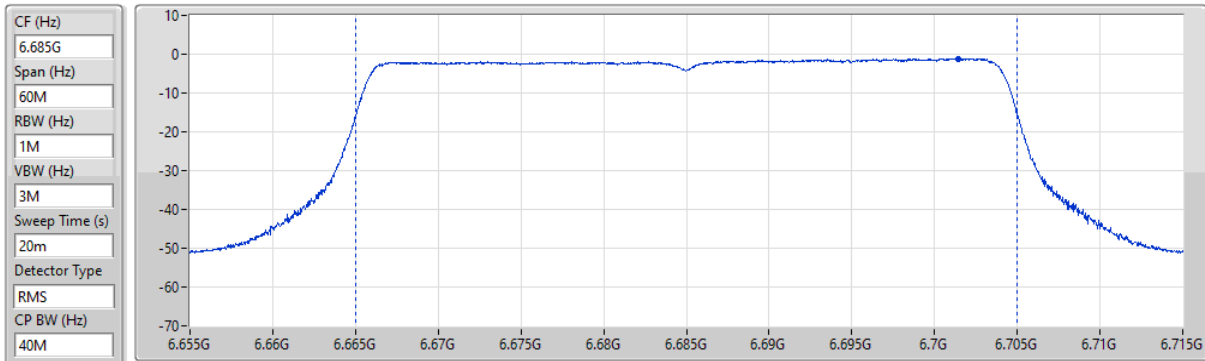
Frequency (MHz): 6685

6.525-6.875GHz\_802.11be EHT40 SP\_1TX

AV Power

6685MHz\_TX

14/08/2024

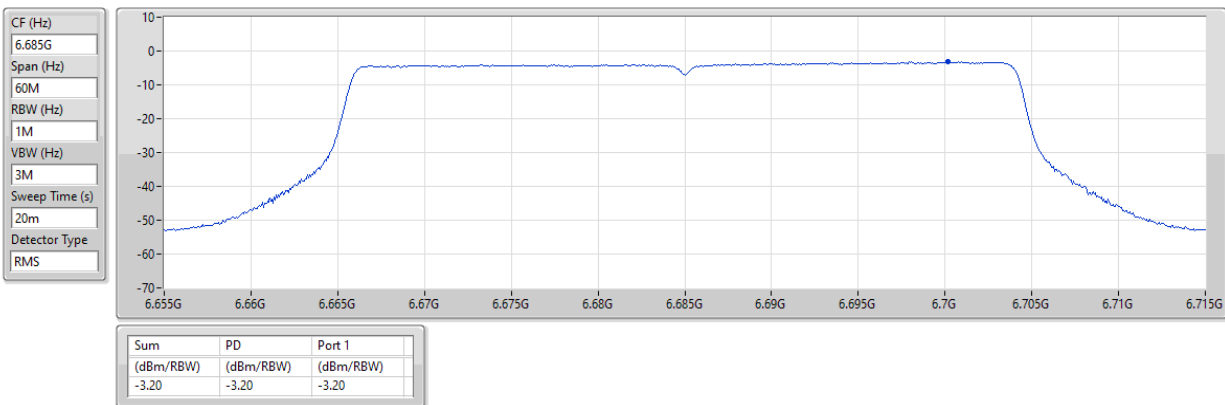


6.525-6.875GHz\_802.11be EHT40 SP\_1TX

PSD

6685MHz

14/08/2024



## Frequency (MHz): 6365

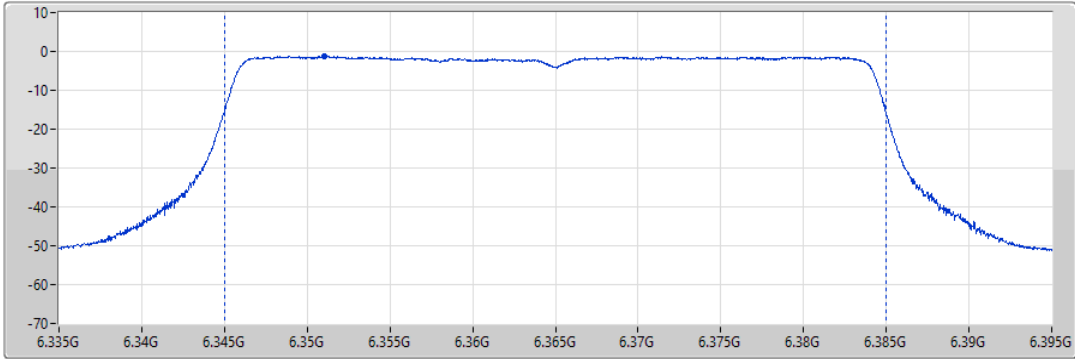
5.925-6.425GHz\_802.11be EHT40 SP\_1TX

AV Power

6365MHz\_TX

14/08/2024

CF (Hz)  
6.365G  
Span (Hz)  
60M  
RBW (Hz)  
1M  
VBW (Hz)  
3M  
Sweep Time (s)  
20m  
Detector Type  
RMS  
CP BW (Hz)  
40M



Port 1

Sum= Total Power  
PX=Port X

| Sum(dBm) | P1(dBm) |
|----------|---------|
| 13.19    | 13.19   |

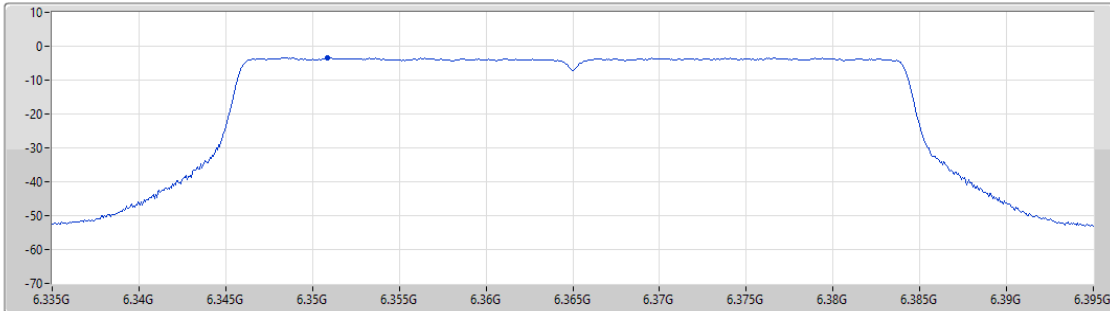
5.925-6.425GHz\_802.11be EHT40 SP\_1TX

PSD

6365MHz

14/08/2024

CF (Hz)  
6.365G  
Span (Hz)  
60M  
RBW (Hz)  
1M  
VBW (Hz)  
3M  
Sweep Time (s)  
20m  
Detector Type  
RMS



Port 1

| Sum      | PD       | Port 1   |
|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| -3.41    | -3.41    | -3.41    |



CT\_AFC\_SP\_AP\_AFCRSA31\_Channel\_80MHz\_10620\_1

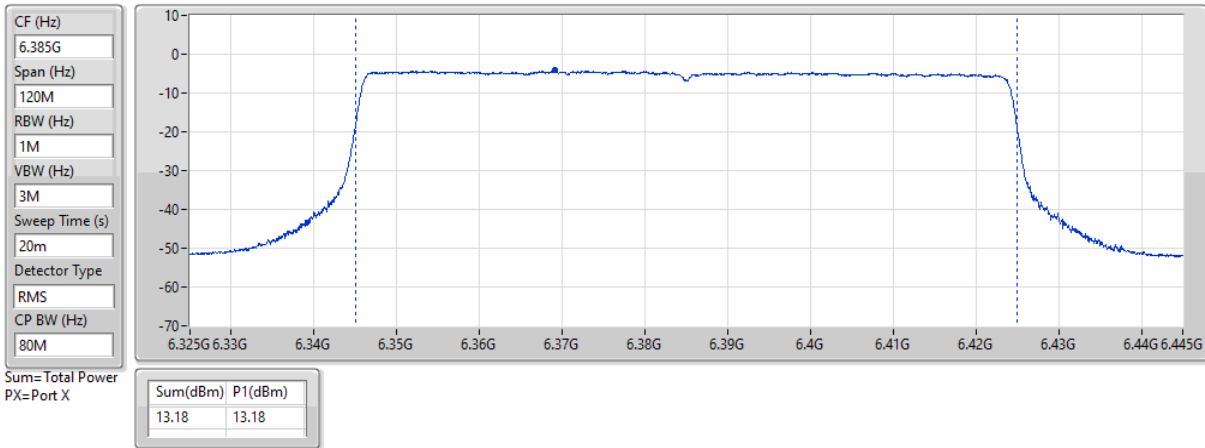
Frequency (MHz): 6385

5.925-6.425GHz\_802.11be EHT80 SP\_1TX

AV Power

6385MHz\_TX

14/08/2024

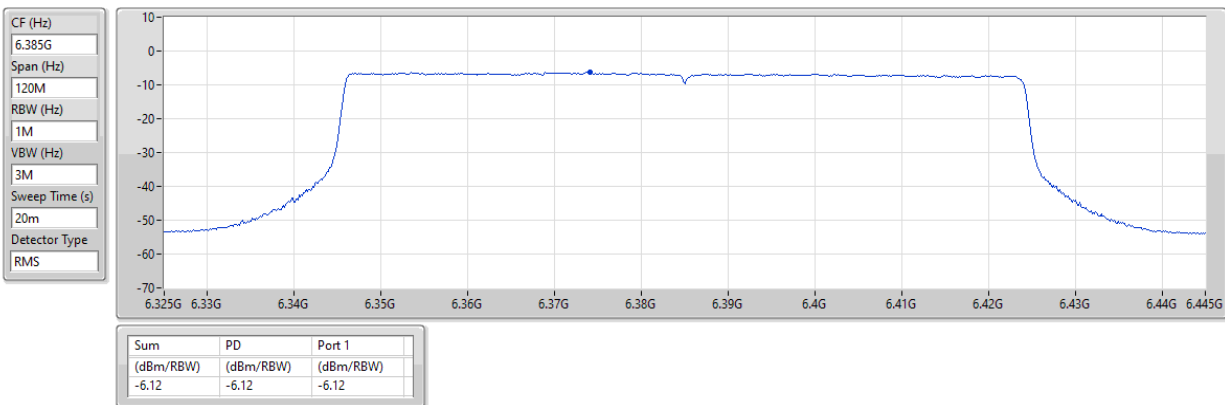


5.925-6.425GHz\_802.11be EHT80 SP\_1TX

PSD

6385MHz

14/08/2024



Frequency (MHz): 6625

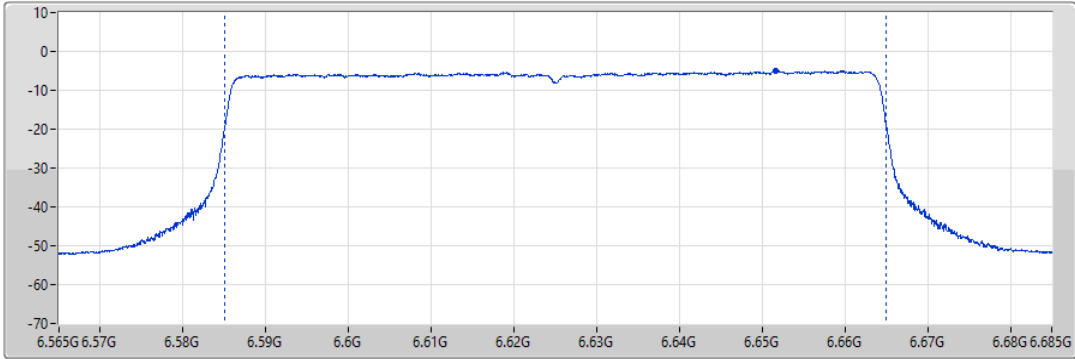
6.525-6.875GHz\_802.11be EHT80 SP\_1TX

AV Power

6625MHz\_TX

14/08/2024

CF (Hz)  
6.625G  
Span (Hz)  
120M  
RBW (Hz)  
1M  
VBW (Hz)  
3M  
Sweep Time (s)  
20m  
Detector Type  
RMS  
CP BW (Hz)  
80M



Port 1

Sum= Total Power  
PX=Port X

| Sum(dBm) | P1(dBm) |
|----------|---------|
| 12.24    | 12.24   |

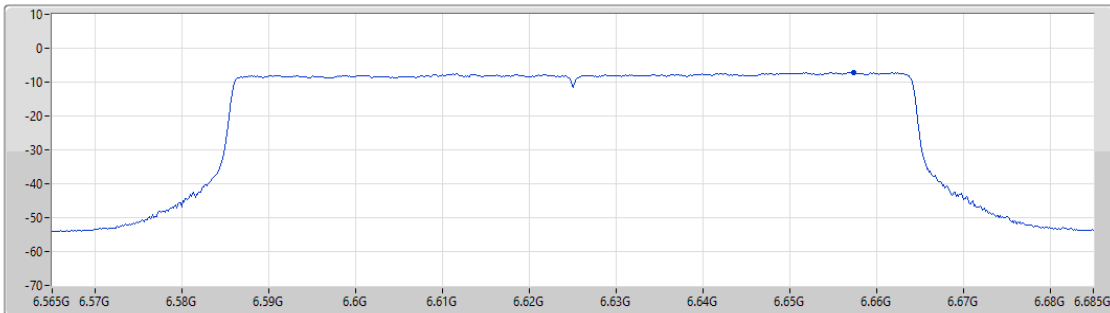
6.525-6.875GHz\_802.11be EHT80 SP\_1TX

PSD

6625MHz

14/08/2024

CF (Hz)  
6.625G  
Span (Hz)  
120M  
RBW (Hz)  
1M  
VBW (Hz)  
3M  
Sweep Time (s)  
20m  
Detector Type  
RMS



Port 1

| Sum      | PD       | Port 1   |
|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| -7.11    | -7.11    | -7.11    |

## CT\_AFC\_SP\_AP\_AFCDRSA31\_Channel\_160MHz\_10621\_1

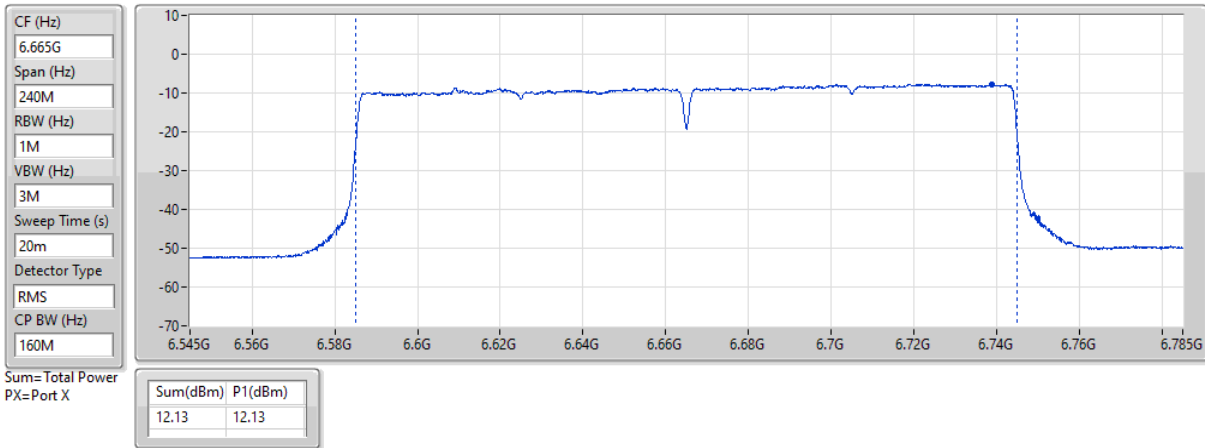
Frequency (MHz): 6665

6.525-6.875GHz\_802.11be EHT160 SP\_1TX

AV Power

6665MHz\_TX

14/08/2024

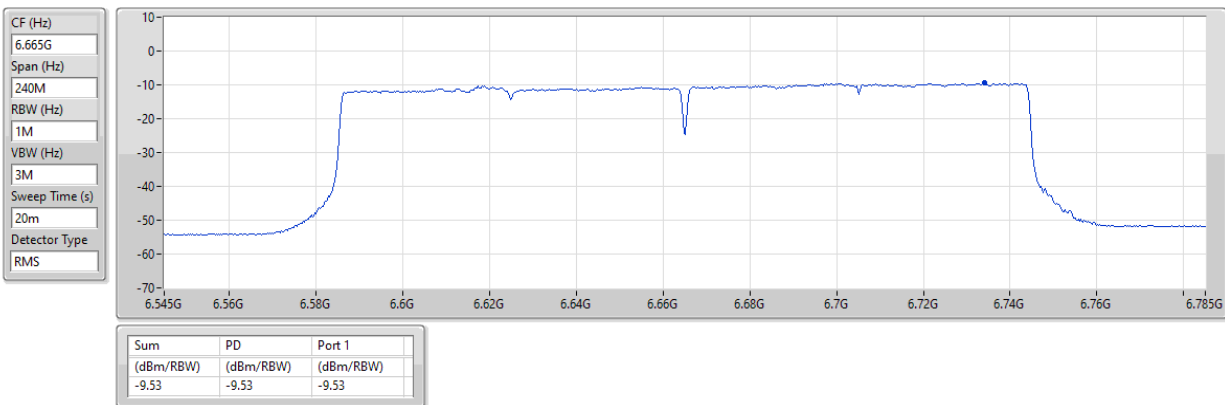


6.525-6.875GHz\_802.11be EHT160 SP\_1TX

PSD

6665MHz

14/08/2024





CT\_AFC\_SP\_AP\_AFCDRSA31\_Channel\_320MHz\_10714\_1

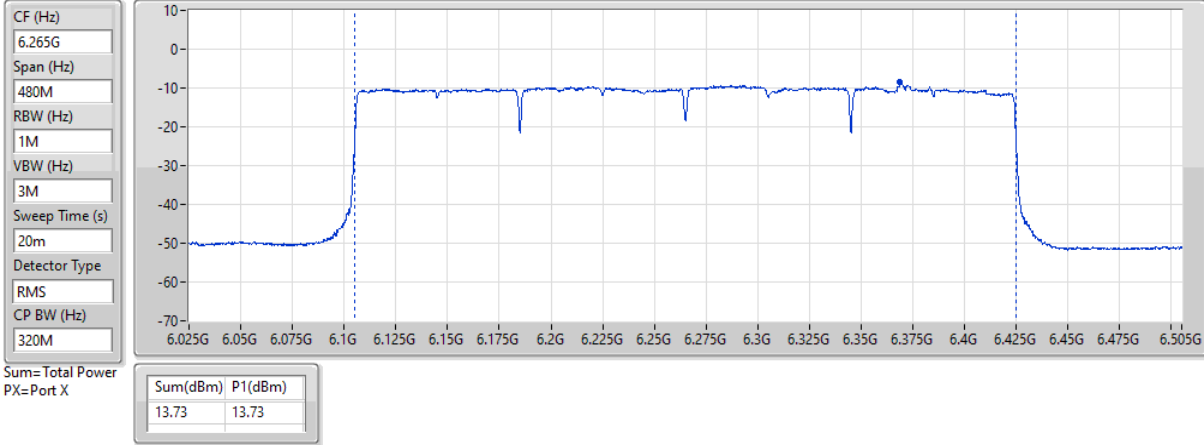
Frequency (MHz): 6265

5.925-6.425GHz\_802.11be EHT320 SP\_1TX

AV Power

6265MHz\_TX

14/08/2024



5.925-6.425GHz\_802.11be EHT320 SP\_1TX

PSD

6265MHz

14/08/2024



## Frequency (MHz): 6105

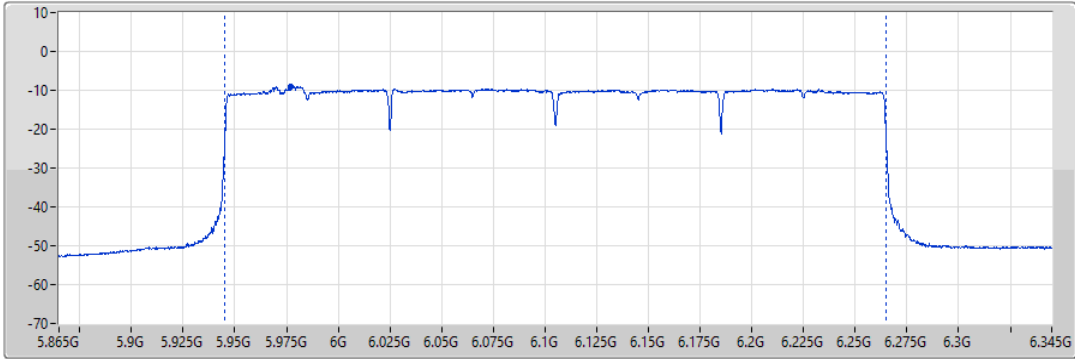
5.925-6.425GHz\_802.11be EHT320 SP\_1TX

AV Power

6105MHz\_TX

14/08/2024

CF (Hz)  
6.105G  
Span (Hz)  
480M  
RBW (Hz)  
1M  
VBW (Hz)  
3M  
Sweep Time (s)  
20m  
Detector Type  
RMS  
CP BW (Hz)  
320M



Port 1

Sum= Total Power  
PX=Port X

| Sum(dBm) | P1(dBm) |
|----------|---------|
| 13.94    | 13.94   |

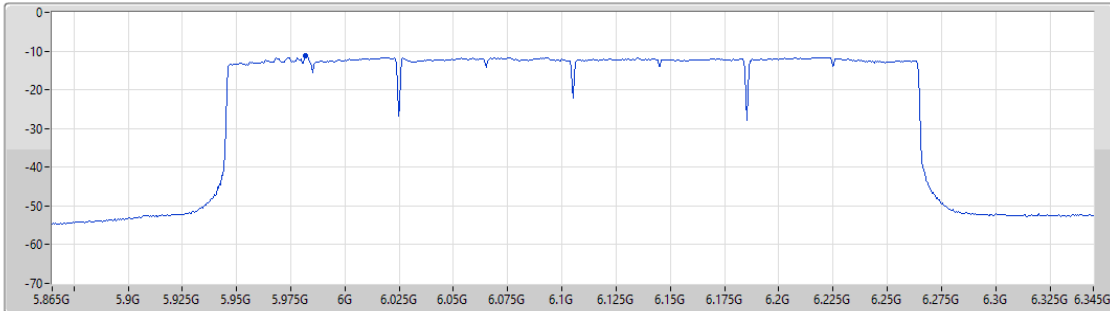
5.925-6.425GHz\_802.11be EHT320 SP\_1TX

PSD

6105MHz

14/08/2024

CF (Hz)  
6.105G  
Span (Hz)  
480M  
RBW (Hz)  
1M  
VBW (Hz)  
3M  
Sweep Time (s)  
20m  
Detector Type  
RMS



Port 1

| Sum      | PD       | Port 1   |
|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| -11.23   | -11.23   | -11.23   |

CT\_AFC\_SP\_AP\_AFCDSAU33\_Channel\_10623\_1

Bandwidth: 20MHz

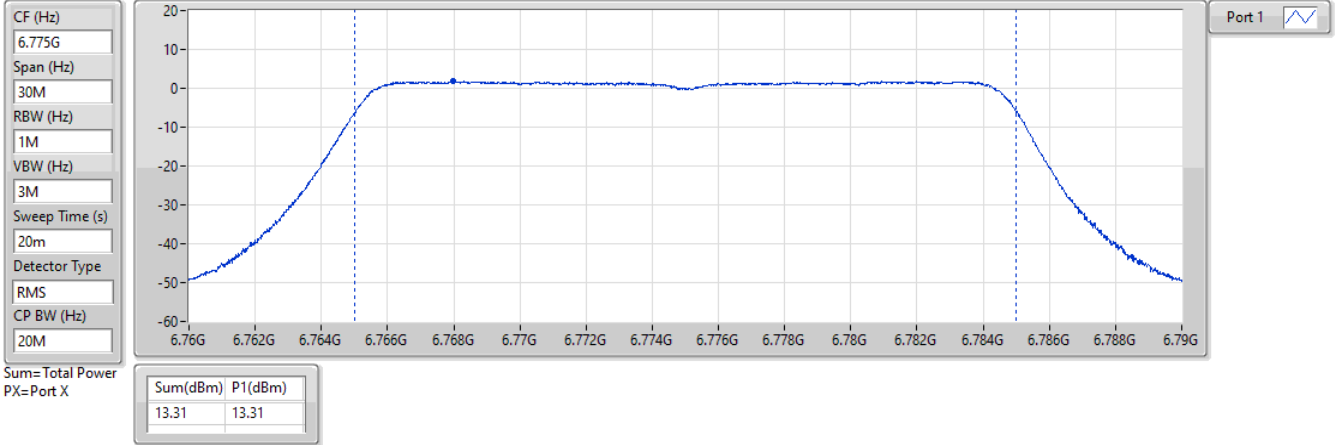
Frequency (MHz): 6775

6.525-6.875GHz\_802.11be EHT20 SP\_1TX

AV Power

6775MHz Straddle 6.525-6.875GHz\_TX

14/08/2024

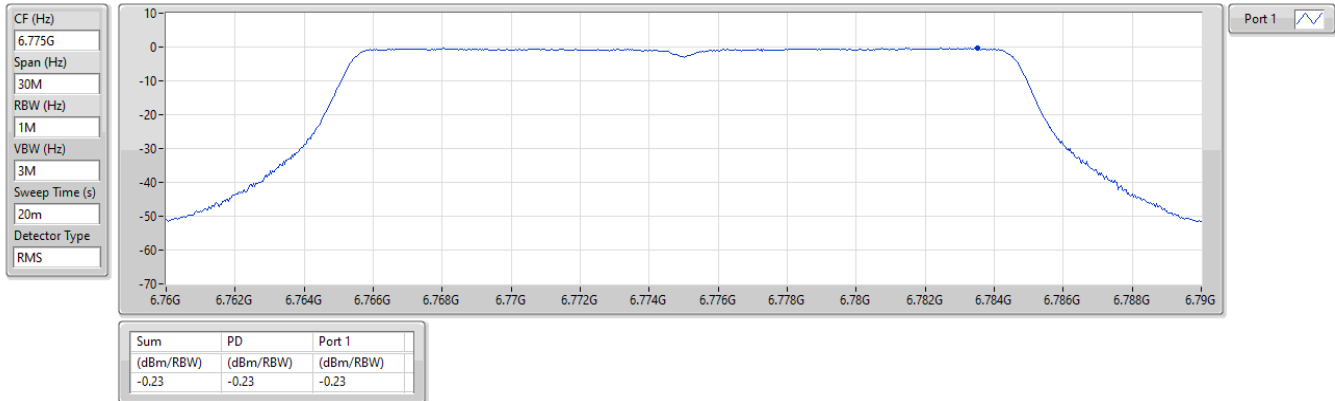


6.525-6.875GHz\_802.11be EHT20 SP\_1TX

PSD

6775MHz Straddle 6.525-6.875GHz

14/08/2024



CT\_AFC\_SP\_AP\_AFCDUAU34\_Channel\_10624\_1

Bandwidth: 20MHz

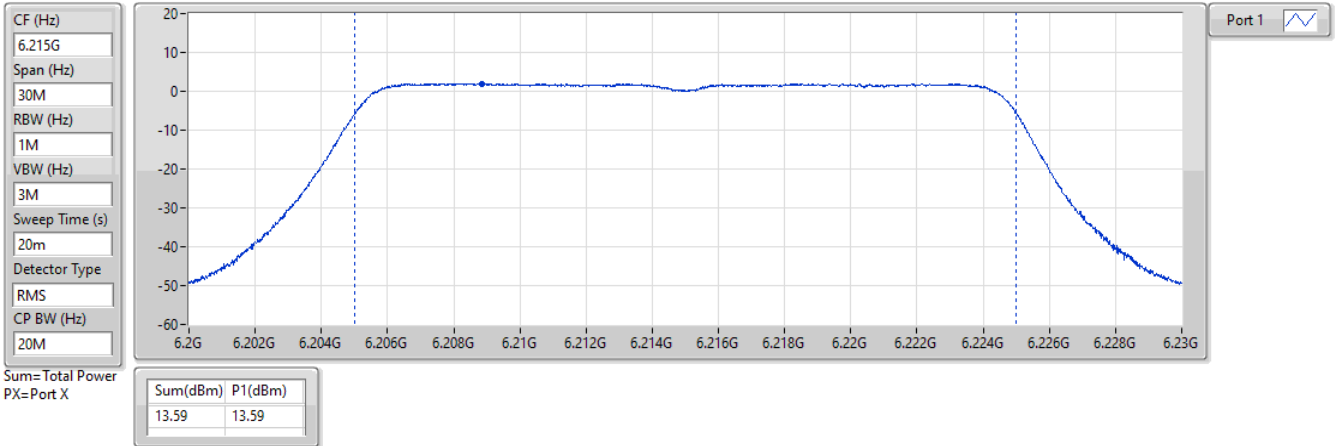
Frequency (MHz): 6215

5.925-6.425GHz\_802.11be EHT20 SP\_1TX

AV Power

6215MHz\_TX

14/08/2024

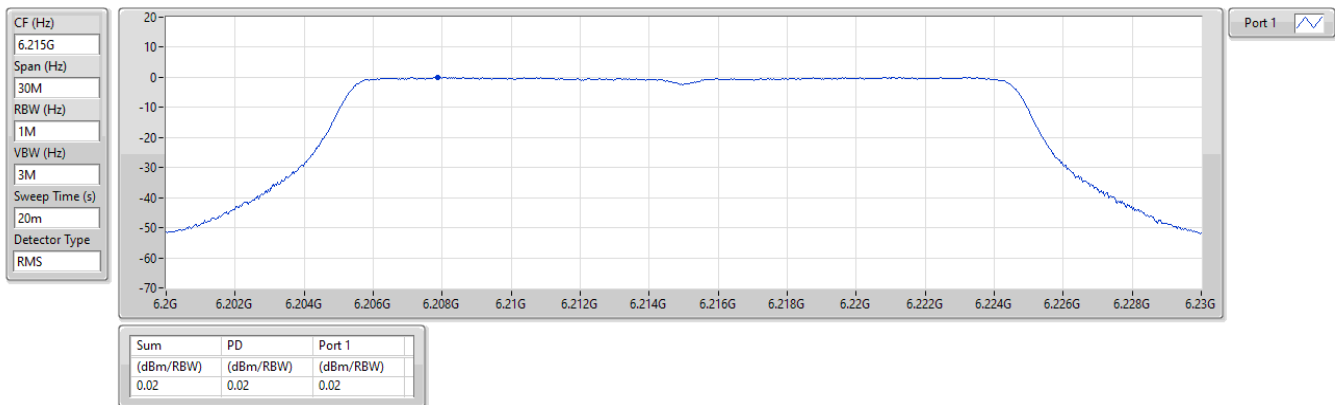


5.925-6.425GHz\_802.11be EHT20 SP\_1TX

PSD

6215MHz

14/08/2024

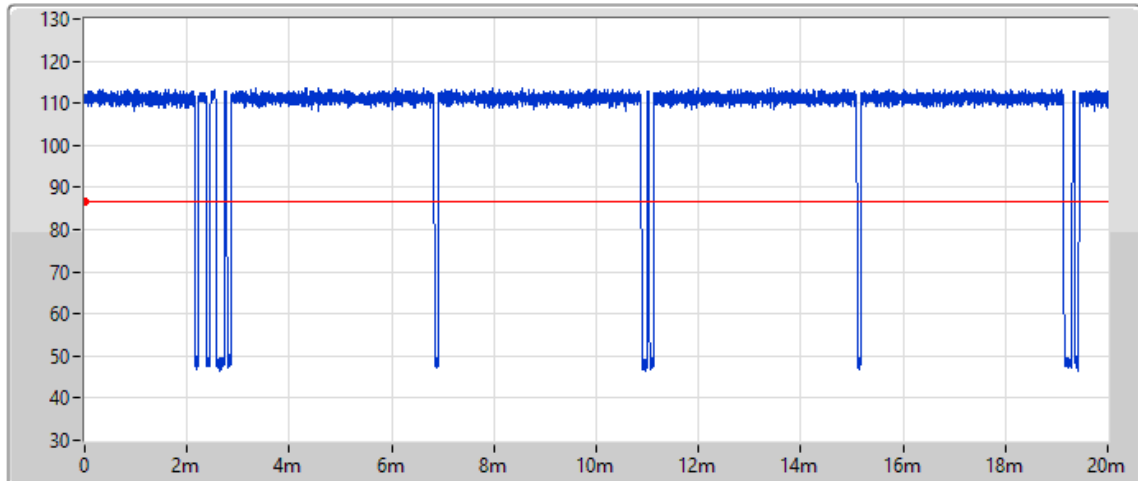




## Duty Cycle

Bandwidth: 20 MHz

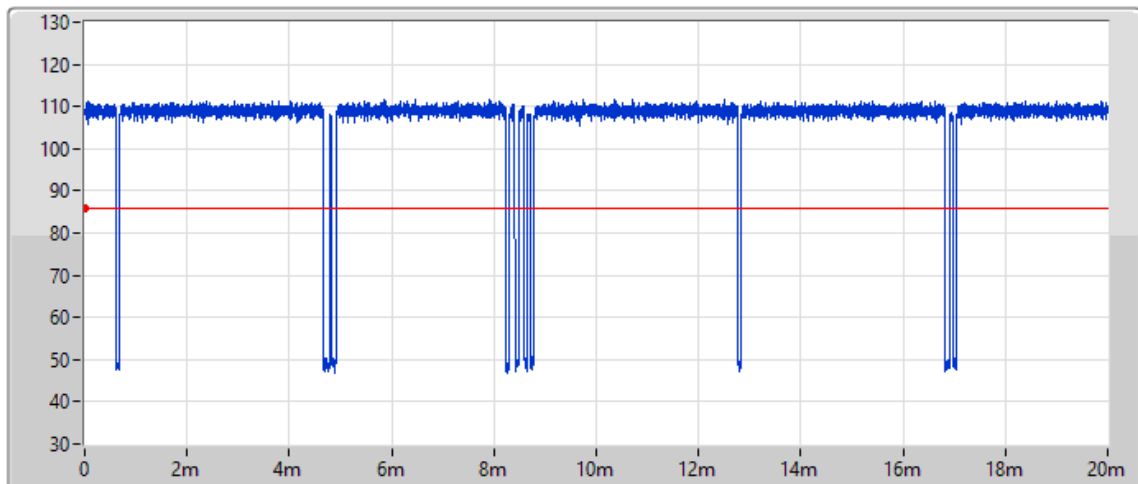
DC;be20S;BWch:20



| Ch Freq (Hz) | RBW (Hz) | VBW (Hz) | Sweep Time (s) | Total Sample | Sample Time (s) | TX Time (s) | DC    |
|--------------|----------|----------|----------------|--------------|-----------------|-------------|-------|
| 6.615G       | 10M      | 10M      | 20m            | 8001         | 2.5u            | 19.0525m    | 0.953 |

Bandwidth: 40 MHz

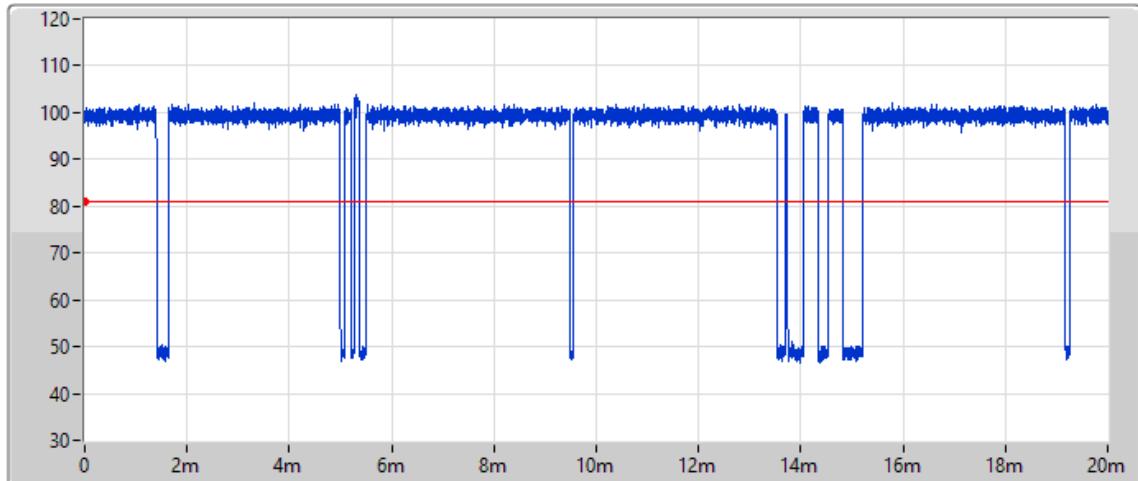
DC;be40S;BWch:40



| Ch Freq (Hz) | RBW (Hz) | VBW (Hz) | Sweep Time (s) | Total Sample | Sample Time (s) | TX Time (s) | DC    |
|--------------|----------|----------|----------------|--------------|-----------------|-------------|-------|
| 6.685G       | 10M      | 10M      | 20m            | 8001         | 2.5u            | 19.185m     | 0.959 |

## Bandwidth: 80 MHz

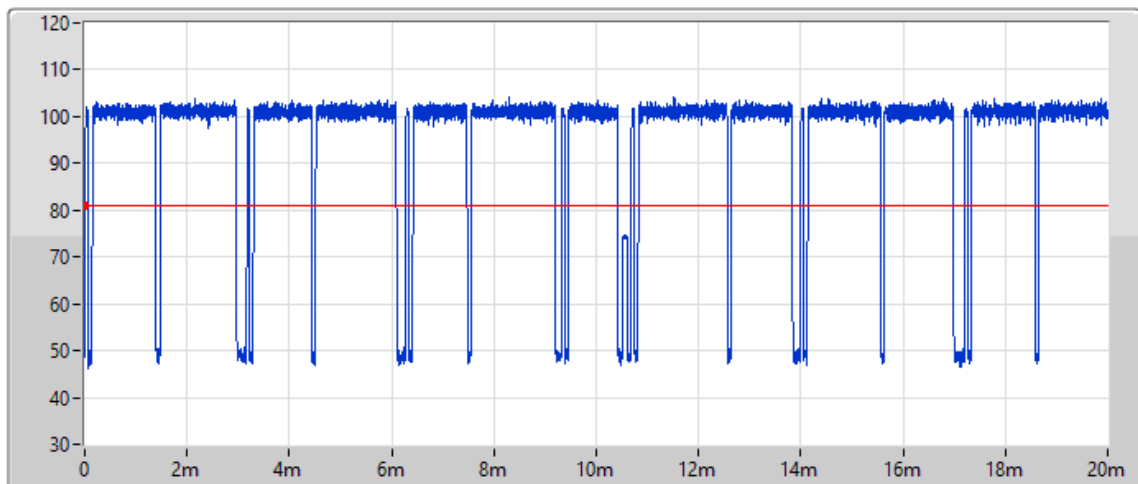
DC;be80S;BWch:80



| Ch Freq (Hz) | RBW (Hz) | VBW (Hz) | Sweep Time (s) | Total Sample | Sample Time (s) | TX Time (s) | DC    |
|--------------|----------|----------|----------------|--------------|-----------------|-------------|-------|
| 6.385G       | 10M      | 10M      | 20m            | 8001         | 2.5u            | 18.3125m    | 0.916 |

## Bandwidth: 160 MHz

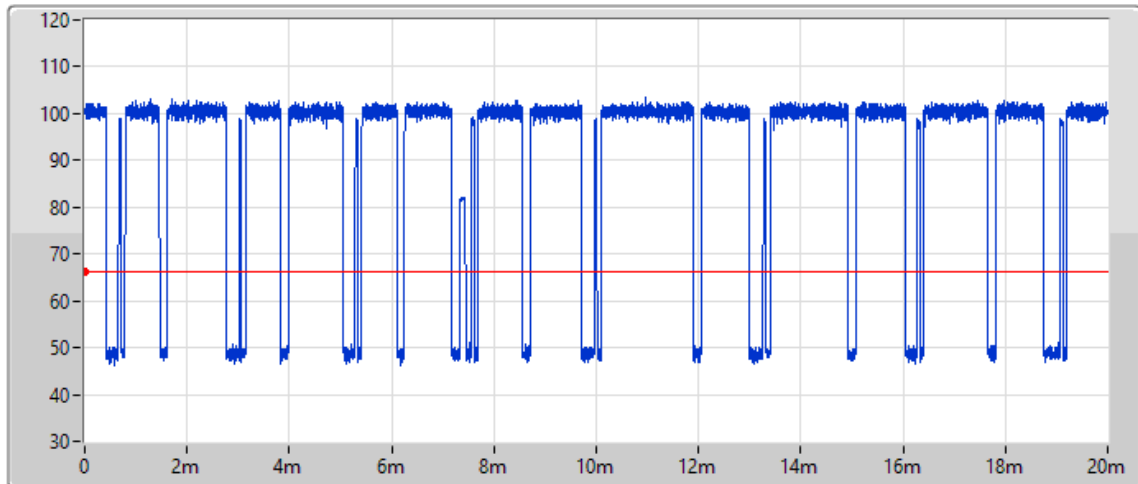
DC;be160S;BWch:160



| Ch Freq (Hz) | RBW (Hz) | VBW (Hz) | Sweep Time (s) | Total Sample | Sample Time (s) | TX Time (s) | DC    |
|--------------|----------|----------|----------------|--------------|-----------------|-------------|-------|
| 6.665G       | 10M      | 10M      | 20m            | 8001         | 2.5u            | 17.8925m    | 0.895 |

Bandwidth: 320 MHz

DC;be320S;BWch:320



| Ch Freq (Hz) | RBW (Hz) | VBW (Hz) | Sweep Time (s) | Total Sample | Sample Time (s) | TX Time (s) | DC    |
|--------------|----------|----------|----------------|--------------|-----------------|-------------|-------|
| 6.265G       | 10M      | 10M      | 20m            | 8001         | 2.5u            | 16.2625m    | 0.813 |

————THE END————