



# AFC DUT TEST HARNESS REPORT

**FCC ID** : UDX-CW9177E  
**Equipment** : Cisco Wireless 9177E Series Wi-Fi 7 Access Point  
**Brand Name** : CISCO  
**Model Name** : CW9177E  
**Applicant** : Cisco Systems, Inc.  
170 West Tasman Drive, San Jose, CA 95134 USA  
**Manufacturer** : Cisco Systems, Inc.  
170 West Tasman Drive, San Jose, CA 95134 USA  
**Standard** : 47 CFR FCC Part 15.407

The product was received on Feb. 04, 2026, and testing was started from Apr. 27, 2026 and completed on Jul. 15, 2026. We, Sporton International Inc. Hsinchu 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 1.7 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. Hsinchu Laboratory, the test report shall not be reproduced except in full.

Approved by: Sam Chen

**Sporton International Inc. Hsinchu Laboratory**

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TEL : 886-3-656-9065  
FAX : 886-3-656-9085  
Report Template No.: CB-A12\_7 Ver2.0



## Summary of Test Result

| Report Clause                                              | Ref Std. Clause | Test Case Name                                                      | Result (PASS/FAIL) | Remark |
|------------------------------------------------------------|-----------------|---------------------------------------------------------------------|--------------------|--------|
| <b>AFC capability - Inquired Frequency</b>                 |                 |                                                                     |                    |        |
| <b>Test Group: Inquired Frequency - Always</b>             |                 |                                                                     |                    |        |
| 3.1                                                        | 3.1.4           | CT_AFC_SP_AP_AFCDRSA31_Frequency_20MHz_10611_1                      | PASS               | -      |
| 3.1                                                        | 3.1.4           | CT_AFC_SP_AP_AFCDRSA31_Frequency_40MHz_10612_1                      | PASS               | -      |
| 3.1                                                        | 3.1.4           | CT_AFC_SP_AP_AFCDRSA31_Frequency_80MHz_10613_1                      | PASS               | -      |
| 3.1                                                        | 3.1.4           | CT_AFC_SP_AP_AFCDRSA31_Frequency_160MHz_10614_1                     | PASS               | -      |
| 3.2                                                        | 3.2.4           | CT_AFC_SP_AP_AFCDUSA32_Frequency_10615_1                            | PASS               | -      |
| 3.3                                                        | 3.3.4           | CT_AFC_SP_AP_AFCDSAU33_Frequency_10616_1                            | PASS               | -      |
| 3.4                                                        | 3.4.4           | CT_AFC_SP_AP_AFCDUUAU34_Frequency_10617_1                           | PASS               | -      |
| 3.1                                                        | 3.1.4           | CT_AFC_SP_AP_AFCDRSA31_Frequency_320MHz_10713_1                     | PASS               | -      |
| <b>AFC capability - Inquired Channel</b>                   |                 |                                                                     |                    |        |
| <b>Test Group: Inquired Channel - Always</b>               |                 |                                                                     |                    |        |
| -                                                          | 3.1.4           | CT_AFC_SP_AP_AFCDRSA31_Channel_20MHz_10618_1                        | N/A                | -      |
| -                                                          | 3.1.4           | CT_AFC_SP_AP_AFCDRSA31_Channel_40MHz_10619_1                        | N/A                | -      |
| -                                                          | 3.1.4           | CT_AFC_SP_AP_AFCDRSA31_Channel_80MHz_10620_1                        | N/A                | -      |
| -                                                          | 3.1.4           | CT_AFC_SP_AP_AFCDRSA31_Channel_160MHz_10621_1                       | N/A                | -      |
| -                                                          | 3.2.4           | CT_AFC_SP_AP_AFCDUSA32_Channel_10622_1                              | N/A                | -      |
| -                                                          | 3.3.4           | CT_AFC_SP_AP_AFCDSAU33_Channel_10623_1                              | N/A                | -      |
| -                                                          | 3.4.4           | CT_AFC_SP_AP_AFCDUUAU34_Channel_10624_1                             | N/A                | -      |
| -                                                          | 3.1.4           | CT_AFC_SP_AP_AFCDRSA31_Channel_320MHz_10714_1                       | N/A                | -      |
| <b>AFC capability - Inquired Frequency &amp; Channel</b>   |                 |                                                                     |                    |        |
| <b>Test Group: Inquired Frequency and Channel - Always</b> |                 |                                                                     |                    |        |
| -                                                          | 3.1.4           | CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_20MHz_10625_1               | N/A                | -      |
| -                                                          | 3.1.4           | CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_40MHz_10626_1               | N/A                | -      |
| -                                                          | 3.1.4           | CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_80MHz_10627_1               | N/A                | -      |
| -                                                          | 3.1.4           | CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_160MHz_10628_1              | N/A                | -      |
| -                                                          | 3.2.4           | CT_AFC_SP_AP_AFCDUSA32_FrequencyChannel_10629_1                     | N/A                | -      |
| -                                                          | 3.3.4           | CT_AFC_SP_AP_AFCDSAU33_FrequencyChannel_10630_1                     | N/A                | -      |
| -                                                          | 3.4.4           | CT_AFC_SP_AP_AFCDUUAU34_FrequencyChannel_10631_1                    | N/A                | -      |
| -                                                          | 3.1.4           | CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_320MHz_10715_1              | N/A                | -      |
| <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/manufacturee 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:**

1. 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.
2. The test configuration, test mode and test software were written in this test report are declared by the manufacturer.

**Reviewed by: Sam Chen****Report Producer: Wendy Pan**



## 1 General Description

### 1.1 Product Feature of Equipment Under Test

| Product Feature of Equipment Under Test |                                                                                                                                                                                                                                                                                                                         |
|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Power Type                              | From PoE, adapter or DC power supply (24~56Vdc)                                                                                                                                                                                                                                                                         |
| 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                                                             |
| Standard AP Operating Configuration     | <input type="checkbox"/> The SP AP initially operates in LPI mode upon power-up. It switches to SP mode after obtaining AFC authorization.<br><input checked="" type="checkbox"/> The SP AP does not transmit any signal in 6 GHz upon power-up. It only starts operating in SP mode after obtaining AFC authorization. |
| Fixed Client Operating Configuration    | <input type="checkbox"/> Connect Standard power AP via in-band (UNII-5&7).It also means DUT supports equipment class: 6FX+6FC.<br><input type="checkbox"/> Connect Standard power AP via out-of-band (other than UNII-5&7).It also means DUT supports equipment class: 6FC only.                                        |
| Bandwidth (MHz)                         | 20 / 40 / 80 / 160 / 320                                                                                                                                                                                                                                                                                                |
| Condition of EUT                        | <input checked="" type="checkbox"/> Indoor<br><input checked="" type="checkbox"/> Outdoor                                                                                                                                                                                                                               |
| Professional Installation               | <input checked="" type="checkbox"/> Yes<br><input type="checkbox"/> No                                                                                                                                                                                                                                                  |
| Firmware Version                        | r33-0                                                                                                                                                                                                                                                                                                                   |
| Software Version                        | N/A                                                                                                                                                                                                                                                                                                                     |
| Hardware Version                        | Meraki_CW9177I 000000000                                                                                                                                                                                                                                                                                                |
| Proxy Firmware Version                  | N/A                                                                                                                                                                                                                                                                                                                     |
| Proxy Software Version                  | 712512                                                                                                                                                                                                                                                                                                                  |
| Proxy Hardware Version                  | N/A                                                                                                                                                                                                                                                                                                                     |
| Serial Number                           | WTT300300FV                                                                                                                                                                                                                                                                                                             |

Note: The above information was declared by manufacturer.



## 1.2 Antenna Information

| Set. | Port   | Brand Name      | Model Name                            | Antenna Type                               | Connector | Frequency Band                                                         | Radio (R)          | Gain (dBi) |
|------|--------|-----------------|---------------------------------------|--------------------------------------------|-----------|------------------------------------------------------------------------|--------------------|------------|
| 1    | Note 1 | WNC             | CW-ANT-T-D4-N                         | Dipole                                     | N-type    | WLAN 2.4GHz,<br>WLAN 5GHz,<br>WLAN 6GHz,<br>Bluetooth,<br>IEEE802.15.4 | R0/R1/R2/<br>R3/R4 | Note 2     |
| 2    |        | CISCO           | AIR-ANT2588P4M-NS                     | Directional Antenna                        | N-type    | WLAN 2.4GHz,<br>WLAN 5GHz,<br>Bluetooth,<br>IEEE802.15.4               |                    |            |
| 3    |        | TE connectivity | CW-ANT-T-D3-N                         | Directional Dipole Antenna                 | N-type    | WLAN 2.4GHz,<br>WLAN 5GHz,<br>WLAN 6GHz,<br>Bluetooth,<br>IEEE802.15.4 |                    |            |
| 4    |        | CISCO           | AIR-ANT2513P4M-N<br>AIR-ANT2513P4M-NS | Dual-Band Polarization Diverse Patch Array | N-type    | WLAN 2.4GHz,<br>WLAN 5GHz,<br>Bluetooth,<br>IEEE802.15.4               |                    |            |
| 5    |        | CISCO           | CW-ANT-T-O3-N                         | Omnidirectional Antenna                    | N-type    | WLAN 2.4GHz,<br>WLAN 5GHz,<br>WLAN 6GHz,<br>Bluetooth,<br>IEEE802.15.4 |                    |            |
| 6    |        | WNC             | 95XPAN15.G24                          | PIFA                                       | I-PEX     | GPS                                                                    | R5                 |            |
| 7    | WNC    | 81VEAR15.G01    | Patch                                 | SMA                                        | GPS       |                                                                        |                    |            |

Note 1

| Port | Test Port of Test Results |     |     |                                       |     |     |                                               |     |     |                                  |                          |                                    |               |
|------|---------------------------|-----|-----|---------------------------------------|-----|-----|-----------------------------------------------|-----|-----|----------------------------------|--------------------------|------------------------------------|---------------|
|      | WLAN 2.4GHz (Radio 1)     |     |     | WLAN 5GHz UNII 2C~3 or 6GHz (Radio 2) |     |     | WLAN 5GHz UNII 1~2A or 5GHz UNII1~3 (Radio 3) |     |     | WLAN 2.4GHz, 5GHz (Scan Radio 0) | WLAN 6GHz (Scan Radio 0) | Bluetooth / IEEE802.15.4 (Radio 4) | GPS (Radio 5) |
|      | 1TX                       | 2TX | 4TX | 1TX                                   | 2TX | 4TX | 1TX                                           | 2TX | 4TX | 1TX                              | 1TX                      | 1TX                                | 1TX           |
| 1    | 1                         | 1   | 1   | -                                     | -   | -   | 1                                             | 1   | 1   | -                                | -                        | -                                  | -             |
| 2    | -                         | 2   | 2   | -                                     | -   | -   | -                                             | 2   | 2   | -                                | -                        | -                                  | -             |
| 3    | -                         | -   | 3   | -                                     | -   | -   | -                                             | -   | 3   | -                                | -                        | 1                                  | -             |
| 4    | -                         | -   | 4   | -                                     | -   | -   | -                                             | -   | 4   | 1                                | -                        | -                                  | -             |
| 5    | -                         | -   | -   | 1                                     | 1   | 1   | -                                             | -   | -   | -                                | -                        | -                                  | -             |
| 6    | -                         | -   | -   | -                                     | 2   | 2   | -                                             | -   | -   | -                                | -                        | -                                  | -             |
| 7    | -                         | -   | -   | -                                     | -   | 3   | -                                             | -   | -   | -                                | -                        | -                                  | -             |
| 8    | -                         | -   | -   | -                                     | -   | 4   | -                                             | -   | -   | -                                | 1                        | -                                  | -             |
| 9    | -                         | -   | -   | -                                     | -   | -   | -                                             | -   | -   | -                                | -                        | -                                  | 1             |
| 10   | -                         | -   | -   | -                                     | -   | -   | -                                             | -   | -   | -                                | -                        | -                                  | 1             |



Note 2:

| Set | Antenna Peak Gain (dBi)                |           |         |         |        |           |        |        |
|-----|----------------------------------------|-----------|---------|---------|--------|-----------|--------|--------|
|     | WLAN 2.4GHz                            | WLAN 5GHz |         |         |        | WLAN 6GHz |        |        |
| 1   |                                        | UNII 1    | UNII 2A | UNII 2C | UNII 3 | UNII 5    | UNII 6 | UNII 7 |
|     | 8.2                                    | 7.6       | 7.6     | 7.6     | 7.6    | 7.8       | 7.8    | 7.8    |
| Set | Antenna Peak Gain for 30 degrees (dBi) |           |         |         |        |           |        |        |
|     | WLAN 2.4GHz                            | WLAN 5GHz |         |         |        | WLAN 6GHz |        |        |
| 1   |                                        | UNII 1    | UNII 2A | UNII 2C | UNII 3 | UNII 5    | UNII 6 | UNII 7 |
|     | -                                      | -4        | -       | -       | -      | -2.8      | -3.5   | -3.6   |

| Set | Port | Internal cable loss U.FL to N-Type (dB) |                              |        |        |        |        |                        |            |            |           |                                           |           |            |            |           |           |           |           |                                          |
|-----|------|-----------------------------------------|------------------------------|--------|--------|--------|--------|------------------------|------------|------------|-----------|-------------------------------------------|-----------|------------|------------|-----------|-----------|-----------|-----------|------------------------------------------|
|     |      | WLAN<br>2.4GHz<br>(Radio 1)             | WLAN 5GHz, 6GHz<br>(Radio 2) |        |        |        |        | WLAN 5GHz<br>(Radio 3) |            |            |           | WLAN 2.4GHz, 5GHz, 6GHz<br>(Scan Radio 0) |           |            |            |           |           |           |           | Bluetooth /<br>IEEE802.15.4<br>(Radio 4) |
|     |      |                                         | UNII<br>2C                   | UNII 3 | UNII 5 | UNII 6 | UNII 7 | UNII<br>1              | UNII<br>2A | UNII<br>2C | UNII<br>3 | 2.4GHz                                    | UNII<br>1 | UNII<br>2A | UNII<br>2C | UNII<br>3 | UNII<br>5 | UNII<br>6 | UNII<br>7 |                                          |
| 1   | 1    | 1.10                                    | -                            | -      | -      | -      | -      | 1.70                   | 1.70       | 1.90       | 1.90      | -                                         | -         | -          | -          | -         | -         | -         | -         |                                          |
|     | 2    | 0.90                                    | -                            | -      | -      | -      | -      | 1.50                   | 1.50       | 1.70       | 1.80      | -                                         | -         | -          | -          | -         | -         | -         | -         |                                          |
|     | 3    | 0.70                                    | -                            | -      | -      | -      | -      | 1.00                   | 1.00       | 1.20       | 1.20      | -                                         | -         | -          | -          | -         | -         | -         | 0.70      |                                          |
|     | 4    | 0.60                                    | -                            | -      | -      | -      | -      | 1.00                   | 1.00       | 1.10       | 1.10      | 0.60                                      | 1.00      | 1.00       | 1.10       | 1.10      | -         | -         | -         |                                          |
|     | 5    | -                                       | 1.40                         | 1.50   | 1.70   | 1.70   | 1.70   | -                      | -          | -          | -         | -                                         | -         | -          | -          | -         | -         | -         | -         |                                          |
|     | 6    | -                                       | 1.40                         | 1.50   | 1.50   | 1.50   | 1.50   | -                      | -          | -          | -         | -                                         | -         | -          | -          | -         | -         | -         | -         |                                          |
|     | 7    | -                                       | 1.70                         | 1.70   | 1.80   | 1.90   | 1.90   | -                      | -          | -          | -         | -                                         | -         | -          | -          | -         | -         | -         | -         |                                          |
|     | 8    | -                                       | 1.50                         | 1.50   | 1.60   | 1.70   | 1.70   | -                      | -          | -          | -         | -                                         | -         | -          | -          | 1.60      | 1.70      | 1.70      | -         |                                          |

| Set | Port | Net Gain (dBi)              |                              |        |        |        |        |                        |         |         |        |                                           |        |         |         |        |        |        |        |                                          |
|-----|------|-----------------------------|------------------------------|--------|--------|--------|--------|------------------------|---------|---------|--------|-------------------------------------------|--------|---------|---------|--------|--------|--------|--------|------------------------------------------|
|     |      | WLAN<br>2.4GHz<br>(Radio 1) | WLAN 5GHz, 6GHz<br>(Radio 2) |        |        |        |        | WLAN 5GHz<br>(Radio 3) |         |         |        | WLAN 2.4GHz, 5GHz, 6GHz<br>(Scan Radio 0) |        |         |         |        |        |        |        | Bluetooth /<br>IEEE802.15.4<br>(Radio 4) |
|     |      |                             | UNII<br>2C                   | UNII 3 | UNII 5 | UNII 6 | UNII 7 | UNII 1                 | UNII 2A | UNII 2C | UNII 3 | 2.4GHz                                    | UNII 1 | UNII 2A | UNII 2C | UNII 3 | UNII 5 | UNII 6 | UNII 7 |                                          |
| 1   | 1    | 7.10                        | -                            | -      | -      | -      | -      | 5.90                   | 5.90    | 5.70    | 5.70   | -                                         | -      | -       | -       | -      | -      | -      | -      | -                                        |
|     | 2    | 7.30                        | -                            | -      | -      | -      | -      | 6.10                   | 6.10    | 5.90    | 5.80   | -                                         | -      | -       | -       | -      | -      | -      | -      | -                                        |
|     | 3    | 7.50                        | -                            | -      | -      | -      | -      | 6.60                   | 6.60    | 6.40    | 6.40   | -                                         | -      | -       | -       | -      | -      | -      | -      | 7.50                                     |
|     | 4    | 7.60                        | -                            | -      | -      | -      | -      | 6.60                   | 6.60    | 6.50    | 6.50   | 7.60                                      | 6.60   | 6.60    | 6.50    | 6.50   | -      | -      | -      | -                                        |
|     | 5    | -                           | 6.20                         | 6.10   | 6.10   | 6.10   | 6.10   | -                      | -       | -       | -      | -                                         | -      | -       | -       | -      | -      | -      | -      | -                                        |
|     | 6    | -                           | 6.20                         | 6.10   | 6.30   | 6.30   | 6.30   | -                      | -       | -       | -      | -                                         | -      | -       | -       | -      | -      | -      | -      | -                                        |
|     | 7    | -                           | 5.90                         | 5.90   | 6.00   | 5.90   | 5.90   | -                      | -       | -       | -      | -                                         | -      | -       | -       | -      | -      | -      | -      | -                                        |
|     | 8    | -                           | 6.10                         | 6.10   | 6.20   | 6.10   | 6.10   | -                      | -       | -       | -      | -                                         | -      | -       | -       | -      | 6.20   | 6.10   | 6.10   | -                                        |

| Set | Port | Net Gain for 30 degrees (dBi) |                              |        |        |        |        |                        |         |         |        |                                           |        |         |         |        |        |        |        |                                          |
|-----|------|-------------------------------|------------------------------|--------|--------|--------|--------|------------------------|---------|---------|--------|-------------------------------------------|--------|---------|---------|--------|--------|--------|--------|------------------------------------------|
|     |      | WLAN<br>2.4GHz<br>(Radio 1)   | WLAN 5GHz, 6GHz<br>(Radio 2) |        |        |        |        | WLAN 5GHz<br>(Radio 3) |         |         |        | WLAN 2.4GHz, 5GHz, 6GHz<br>(Scan Radio 0) |        |         |         |        |        |        |        | Bluetooth /<br>IEEE802.15.4<br>(Radio 4) |
|     |      |                               | UNII<br>2C                   | UNII 3 | UNII 5 | UNII 6 | UNII 7 | UNII 1                 | UNII 2A | UNII 2C | UNII 3 | 2.4GHz                                    | UNII 1 | UNII 2A | UNII 2C | UNII 3 | UNII 5 | UNII 6 | UNII 7 |                                          |
| 1   | 1    | -                             | -                            | -      | -      | -      | -5.70  | -                      | -       | -       | -      | -                                         | -      | -       | -       | -      | -      | -      | -      |                                          |
|     | 2    | -                             | -                            | -      | -      | -      | -5.50  | -                      | -       | -       | -      | -                                         | -      | -       | -       | -      | -      | -      | -      |                                          |
|     | 3    | -                             | -                            | -      | -      | -      | -5.00  | -                      | -       | -       | -      | -                                         | -      | -       | -       | -      | -      | -      | -      |                                          |
|     | 4    | -                             | -                            | -      | -      | -      | -5.00  | -                      | -       | -       | -      | -5.00                                     | -      | -       | -       | -      | -      | -      | -      |                                          |
|     | 5    | -                             | -                            | -      | -4.50  | -5.20  | -5.30  | -                      | -       | -       | -      | -                                         | -      | -       | -       | -      | -      | -      | -      |                                          |
|     | 6    | -                             | -                            | -      | -4.30  | -5.00  | -5.10  | -                      | -       | -       | -      | -                                         | -      | -       | -       | -      | -      | -      | -      |                                          |
|     | 7    | -                             | -                            | -      | -4.60  | -5.40  | -5.50  | -                      | -       | -       | -      | -                                         | -      | -       | -       | -      | -      | -      | -      |                                          |
|     | 8    | -                             | -                            | -      | -4.40  | -5.20  | -5.30  | -                      | -       | -       | -      | -                                         | -      | -       | -       | -4.40  | -5.20  | -5.30  | -      |                                          |



| Set                                    | Ant. | Port | Antenna Peak Gain (dBi)     |                              |        |        |        |        |                        |            |            |           |                                           |           |            |            |           |           |           |                                          |
|----------------------------------------|------|------|-----------------------------|------------------------------|--------|--------|--------|--------|------------------------|------------|------------|-----------|-------------------------------------------|-----------|------------|------------|-----------|-----------|-----------|------------------------------------------|
|                                        |      |      | WLAN<br>2.4GHz<br>(Radio 1) | WLAN 5GHz, 6GHz<br>(Radio 2) |        |        |        |        | WLAN 5GHz<br>(Radio 3) |            |            |           | WLAN 2.4GHz, 5GHz, 6GHz<br>(Scan Radio 0) |           |            |            |           |           |           | Bluetooth /<br>IEEE802.15.4<br>(Radio 4) |
|                                        |      |      |                             | UNII<br>2C                   | UNII 3 | UNII 5 | UNII 6 | UNII 7 | UNII<br>1              | UNII<br>2A | UNII<br>2C | UNII<br>3 | 2.4GHz                                    | UNII<br>1 | UNII<br>2A | UNII<br>2C | UNII<br>3 | UNII<br>5 | UNII<br>6 |                                          |
| 2                                      | 1    | 1    | 7.10                        | -                            | -      | -      | -      | -      | 7.80                   | 7.80       | 7.80       | 7.80      | -                                         | -         | -          | -          | -         | -         | -         | -                                        |
|                                        | 2    | 2    | 9.10                        | -                            | -      | -      | -      | -      | 9.60                   | 9.60       | 9.60       | 9.60      | -                                         | -         | -          | -          | -         | -         | -         | -                                        |
|                                        | 3    | 3    | 9.10                        | -                            | -      | -      | -      | -      | 9.60                   | 9.60       | 9.60       | 9.60      | -                                         | -         | -          | -          | -         | -         | -         | 9.10                                     |
|                                        | 4    | 4    | 7.10                        | -                            | -      | -      | -      | -      | 7.80                   | 7.80       | 7.80       | 7.80      | 7.10                                      | 7.80      | 7.80       | 7.80       | 7.80      | -         | -         | -                                        |
|                                        | 5    | 1    | -                           | 7.80                         | 7.80   | -      | -      | -      | -                      | -          | -          | -         | -                                         | -         | -          | -          | -         | -         | -         | -                                        |
|                                        | 6    | 2    | -                           | 9.60                         | 9.60   | -      | -      | -      | -                      | -          | -          | -         | -                                         | -         | -          | -          | -         | -         | -         | -                                        |
|                                        | 7    | 3    | -                           | 9.60                         | 9.60   | -      | -      | -      | -                      | -          | -          | -         | -                                         | -         | -          | -          | -         | -         | -         | -                                        |
|                                        | 8    | 4    | -                           | 7.80                         | 7.80   | -      | -      | -      | -                      | -          | -          | -         | -                                         | -         | -          | -          | -         | -         | -         | -                                        |
| Antenna Peak Gain for 30 degrees (dBi) |      |      |                             |                              |        |        |        |        |                        |            |            |           |                                           |           |            |            |           |           |           |                                          |
| WLAN 5GHz / UNII 1                     |      |      |                             |                              |        |        |        |        |                        |            |            |           |                                           |           |            |            |           |           |           |                                          |
| 3                                      |      |      |                             |                              |        |        |        |        |                        |            |            |           |                                           |           |            |            |           |           |           |                                          |

| Set | Port | Internal cable loss U.FL to N-Type (dB) |                              |        |        |        |        |                        |         |         |        |                                           |        |         |         |        |        |        |        |                                          |
|-----|------|-----------------------------------------|------------------------------|--------|--------|--------|--------|------------------------|---------|---------|--------|-------------------------------------------|--------|---------|---------|--------|--------|--------|--------|------------------------------------------|
|     |      | WLAN<br>2.4GHz<br>(Radio 1)             | WLAN 5GHz, 6GHz<br>(Radio 2) |        |        |        |        | WLAN 5GHz<br>(Radio 3) |         |         |        | WLAN 2.4GHz, 5GHz, 6GHz<br>(Scan Radio 0) |        |         |         |        |        |        |        | Bluetooth /<br>IEEE802.15.4<br>(Radio 4) |
|     |      |                                         | UNII<br>2C                   | UNII 3 | UNII 5 | UNII 6 | UNII 7 | UNII 1                 | UNII 2A | UNII 2C | UNII 3 | 2.4GHz                                    | UNII 1 | UNII 2A | UNII 2C | UNII 3 | UNII 5 | UNII 6 | UNII 7 |                                          |
| 2   | 1    | 1.10                                    | -                            | -      | -      | -      | -      | 1.70                   | 1.70    | 1.90    | 1.90   | -                                         | -      | -       | -       | -      | -      | -      | -      | -                                        |
|     | 2    | 0.90                                    | -                            | -      | -      | -      | -      | 1.50                   | 1.50    | 1.70    | 1.80   | -                                         | -      | -       | -       | -      | -      | -      | -      | -                                        |
|     | 3    | 0.70                                    | -                            | -      | -      | -      | -      | 1.00                   | 1.00    | 1.20    | 1.20   | -                                         | -      | -       | -       | -      | -      | -      | -      | 0.70                                     |
|     | 4    | 0.60                                    | -                            | -      | -      | -      | -      | 1.00                   | 1.00    | 1.10    | 1.10   | 0.60                                      | 1.00   | 1.00    | 1.10    | 1.10   | -      | -      | -      | -                                        |
|     | 5    | -                                       | 1.40                         | 1.50   | -      | -      | -      | -                      | -       | -       | -      | -                                         | -      | -       | -       | -      | -      | -      | -      | -                                        |
|     | 6    | -                                       | 1.40                         | 1.50   | -      | -      | -      | -                      | -       | -       | -      | -                                         | -      | -       | -       | -      | -      | -      | -      | -                                        |
|     | 7    | -                                       | 1.70                         | 1.70   | -      | -      | -      | -                      | -       | -       | -      | -                                         | -      | -       | -       | -      | -      | -      | -      | -                                        |
|     | 8    | -                                       | 1.50                         | 1.50   | -      | -      | -      | -                      | -       | -       | -      | -                                         | -      | -       | -       | -      | 1.60   | 1.70   | 1.70   | -                                        |

| Set | Port | N-Type cable loss (dB)      |                              |        |        |        |        |                        |            |            |           |                                           |           |            |            |           |           |           |           |                                          |
|-----|------|-----------------------------|------------------------------|--------|--------|--------|--------|------------------------|------------|------------|-----------|-------------------------------------------|-----------|------------|------------|-----------|-----------|-----------|-----------|------------------------------------------|
|     |      | WLAN<br>2.4GHz<br>(Radio 1) | WLAN 5GHz, 6GHz<br>(Radio 2) |        |        |        |        | WLAN 5GHz<br>(Radio 3) |            |            |           | WLAN 2.4GHz, 5GHz, 6GHz<br>(Scan Radio 0) |           |            |            |           |           |           |           | Bluetooth /<br>IEEE802.15.4<br>(Radio 4) |
|     |      |                             | UNII<br>2C                   | UNII 3 | UNII 5 | UNII 6 | UNII 7 | UNII<br>1              | UNII<br>2A | UNII<br>2C | UNII<br>3 | 2.4GHz                                    | UNII<br>1 | UNII<br>2A | UNII<br>2C | UNII<br>3 | UNII<br>5 | UNII<br>6 | UNII<br>7 |                                          |
| 2   | 1    | 0.50                        | -                            | -      | -      | -      | -      | 0.80                   | 0.80       | 0.80       | 0.80      | -                                         | -         | -          | -          | -         | -         | -         | -         | -                                        |
|     | 2    | 0.50                        | -                            | -      | -      | -      | -      | 0.80                   | 0.80       | 0.80       | 0.80      | -                                         | -         | -          | -          | -         | -         | -         | -         | -                                        |
|     | 3    | 0.50                        | -                            | -      | -      | -      | -      | 0.80                   | 0.80       | 0.80       | 0.80      | -                                         | -         | -          | -          | -         | -         | -         | -         | 0.50                                     |
|     | 4    | 0.50                        | -                            | -      | -      | -      | -      | 0.80                   | 0.80       | 0.80       | 0.80      | 0.50                                      | 0.80      | 0.80       | 0.80       | 0.80      | -         | -         | -         | -                                        |
|     | 5    | -                           | 0.80                         | 0.80   | -      | -      | -      | -                      | -          | -          | -         | -                                         | -         | -          | -          | -         | -         | -         | -         | -                                        |
|     | 6    | -                           | 0.80                         | 0.80   | -      | -      | -      | -                      | -          | -          | -         | -                                         | -         | -          | -          | -         | -         | -         | -         | -                                        |
|     | 7    | -                           | 0.80                         | 0.80   | -      | -      | -      | -                      | -          | -          | -         | -                                         | -         | -          | -          | -         | -         | -         | -         | -                                        |
|     | 8    | -                           | 0.80                         | 0.80   | -      | -      | -      | -                      | -          | -          | -         | -                                         | -         | -          | -          | -         | -         | -         | -         | -                                        |

| Set | Port | Net Gain (dBi)                |                              |        |        |        |        |                        |            |            |           |                                           |           |            |            |           |           |           |           |                                          |
|-----|------|-------------------------------|------------------------------|--------|--------|--------|--------|------------------------|------------|------------|-----------|-------------------------------------------|-----------|------------|------------|-----------|-----------|-----------|-----------|------------------------------------------|
|     |      | WLAN<br>2.4GHz<br>(Radio 1)   | WLAN 5GHz, 6GHz<br>(Radio 2) |        |        |        |        | WLAN 5GHz<br>(Radio 3) |            |            |           | WLAN 2.4GHz, 5GHz, 6GHz<br>(Scan Radio 0) |           |            |            |           |           |           |           | Bluetooth /<br>IEEE802.15.4<br>(Radio 4) |
|     |      |                               | UNII<br>2C                   | UNII 3 | UNII 5 | UNII 6 | UNII 7 | UNII<br>1              | UNII<br>2A | UNII<br>2C | UNII<br>3 | 2.4GHz                                    | UNII<br>1 | UNII<br>2A | UNII<br>2C | UNII<br>3 | UNII<br>5 | UNII<br>6 | UNII<br>7 |                                          |
| 2   | 1    | 5.50                          | -                            | -      | -      | -      | -      | 5.30                   | 7.10       | 5.10       | 5.10      | -                                         | -         | -          | -          | -         | -         | -         | -         | -                                        |
|     | 2    | 7.70                          | -                            | -      | -      | -      | -      | 7.30                   | 7.30       | 7.10       | 7.00      | -                                         | -         | -          | -          | -         | -         | -         | -         | -                                        |
|     | 3    | 7.90                          | -                            | -      | -      | -      | -      | 7.80                   | 7.80       | 7.60       | 7.60      | -                                         | -         | -          | -          | -         | -         | -         | -         | 7.90                                     |
|     | 4    | 6.00                          | -                            | -      | -      | -      | -      | 6.00                   | 7.80       | 5.90       | 5.90      | 6.00                                      | 6.00      | 6.00       | 5.90       | 5.90      | -         | -         | -         | -                                        |
|     | 5    | -                             | 5.60                         | 5.50   | -      | -      | -      | -                      | -          | -          | -         | -                                         | -         | -          | -          | -         | -         | -         | -         | -                                        |
|     | 6    | -                             | 7.40                         | 7.30   | -      | -      | -      | -                      | -          | -          | -         | -                                         | -         | -          | -          | -         | -         | -         | -         | -                                        |
|     | 7    | -                             | 7.10                         | 7.10   | -      | -      | -      | -                      | -          | -          | -         | -                                         | -         | -          | -          | -         | -         | -         | -         | -                                        |
|     | 8    | -                             | 5.50                         | 5.50   | -      | -      | -      | -                      | -          | -          | -         | -                                         | -         | -          | -          | -         | -         | -         | -         | -                                        |
|     | Port | Net Gain for 30 degrees (dBi) |                              |        |        |        |        |                        |            |            |           |                                           |           |            |            |           |           |           |           |                                          |
|     |      | WLAN 5GHz / UNII 1            |                              |        |        |        |        |                        |            |            |           |                                           |           |            |            |           |           |           |           |                                          |
|     | 1    | 0.50                          |                              |        |        |        |        |                        |            |            |           |                                           |           |            |            |           |           |           |           |                                          |
|     | 2    | 0.70                          |                              |        |        |        |        |                        |            |            |           |                                           |           |            |            |           |           |           |           |                                          |
| 3   | 1.20 |                               |                              |        |        |        |        |                        |            |            |           |                                           |           |            |            |           |           |           |           |                                          |
| 4   | 1.20 |                               |                              |        |        |        |        |                        |            |            |           |                                           |           |            |            |           |           |           |           |                                          |



| Set | Antenna Peak Gain (dBi)                |           |         |         |        |           |        |        |                                    |
|-----|----------------------------------------|-----------|---------|---------|--------|-----------|--------|--------|------------------------------------|
|     | WLAN 2.4GHz                            | WLAN 5GHz |         |         |        | WLAN 6GHz |        |        | Bluetooth / IEEE802.15.4 (Radio 4) |
| 3   |                                        | UNII 1    | UNII 2A | UNII 2C | UNII 3 | UNII 5    | UNII 6 | UNII 7 |                                    |
|     | 6.00                                   | 7.50      | 7.50    | 7.50    | 7.50   | 7.50      | 7.50   | 7.50   | 6.00                               |
| Set | Antenna Peak Gain for 30 degrees (dBi) |           |         |         |        |           |        |        |                                    |
|     | WLAN 2.4GHz                            | WLAN 5GHz |         |         |        | WLAN 6GHz |        |        | Bluetooth / IEEE802.15.4 (Radio 4) |
| 3   |                                        | UNII 1    | UNII 2A | UNII 2C | UNII 3 | UNII 5    | UNII 6 | UNII 7 |                                    |
|     | -                                      | 5.00      | -       | -       | -      | 1.00      | 1.00   | 0.50   | -                                  |

| Set | Port | Internal cable loss U.FL to N-Type (dB) |                              |        |        |        |        |                        |         |         |        |                                           |        |         |         |      |      |      |      |                                          |
|-----|------|-----------------------------------------|------------------------------|--------|--------|--------|--------|------------------------|---------|---------|--------|-------------------------------------------|--------|---------|---------|------|------|------|------|------------------------------------------|
|     |      | WLAN<br>2.4GHz<br>(Radio 1)             | WLAN 5GHz, 6GHz<br>(Radio 2) |        |        |        |        | WLAN 5GHz<br>(Radio 3) |         |         |        | WLAN 2.4GHz, 5GHz, 6GHz<br>(Scan Radio 0) |        |         |         |      |      |      |      | Bluetooth /<br>IEEE802.15.4<br>(Radio 4) |
|     |      |                                         | UNII<br>2C                   | UNII 3 | UNII 5 | UNII 6 | UNII 7 | UNII 1                 | UNII 2A | UNII 2C | UNII 3 | 2.4GHz                                    | UNII 1 | UNII 2A | UNII 2C | 3    | 5    | 6    | 7    |                                          |
| 3   | 1    | 1.10                                    | -                            | -      | -      | -      | -      | 1.70                   | 1.70    | 1.90    | 1.90   | -                                         | -      | -       | -       | -    | -    | -    | -    |                                          |
|     | 2    | 0.90                                    | -                            | -      | -      | -      | -      | 1.50                   | 1.50    | 1.70    | 1.80   | -                                         | -      | -       | -       | -    | -    | -    | -    |                                          |
|     | 3    | 0.70                                    | -                            | -      | -      | -      | -      | 1.00                   | 1.00    | 1.20    | 1.20   | -                                         | -      | -       | -       | -    | -    | -    | 0.70 |                                          |
|     | 4    | 0.60                                    | -                            | -      | -      | -      | -      | 1.00                   | 1.00    | 1.10    | 1.10   | 0.60                                      | 1.00   | 1.00    | 1.10    | 1.10 | -    | -    | -    |                                          |
|     | 5    | -                                       | 1.40                         | 1.50   | 1.70   | 1.70   | 1.70   | -                      | -       | -       | -      | -                                         | -      | -       | -       | -    | -    | -    | -    |                                          |
|     | 6    | -                                       | 1.40                         | 1.50   | 1.50   | 1.50   | 1.50   | -                      | -       | -       | -      | -                                         | -      | -       | -       | -    | -    | -    | -    |                                          |
|     | 7    | -                                       | 1.70                         | 1.70   | 1.80   | 1.90   | 1.90   | -                      | -       | -       | -      | -                                         | -      | -       | -       | -    | -    | -    | -    |                                          |
|     | 8    | -                                       | 1.50                         | 1.50   | 1.60   | 1.70   | 1.70   | -                      | -       | -       | -      | -                                         | -      | -       | -       | -    | 1.60 | 1.70 | 1.70 |                                          |

| Set | Port | Net Gain (dBi)              |                              |        |        |        |        |                        |            |            |           |                                           |           |            |            |           |           |           |           |                                          |
|-----|------|-----------------------------|------------------------------|--------|--------|--------|--------|------------------------|------------|------------|-----------|-------------------------------------------|-----------|------------|------------|-----------|-----------|-----------|-----------|------------------------------------------|
|     |      | WLAN<br>2.4GHz<br>(Radio 1) | WLAN 5GHz, 6GHz<br>(Radio 2) |        |        |        |        | WLAN 5GHz<br>(Radio 3) |            |            |           | WLAN 2.4GHz, 5GHz, 6GHz<br>(Scan Radio 0) |           |            |            |           |           |           |           | Bluetooth /<br>IEEE802.15.4<br>(Radio 4) |
|     |      |                             | UNII<br>2C                   | UNII 3 | UNII 5 | UNII 6 | UNII 7 | UNII<br>1              | UNII<br>2A | UNII<br>2C | UNII<br>3 | 2.4GHz                                    | UNII<br>1 | UNII<br>2A | UNII<br>2C | UNII<br>3 | UNII<br>5 | UNII<br>6 | UNII<br>7 |                                          |
| 3   | 1    | 4.90                        | -                            | -      | -      | -      | -      | 5.80                   | 5.80       | 5.60       | 5.60      | -                                         | -         | -          | -          | -         | -         | -         | -         | -                                        |
|     | 2    | 5.10                        | -                            | -      | -      | -      | -      | 6.00                   | 6.00       | 5.80       | 5.70      | -                                         | -         | -          | -          | -         | -         | -         | -         | -                                        |
|     | 3    | 5.30                        | -                            | -      | -      | -      | -      | 6.50                   | 6.50       | 6.30       | 6.30      | -                                         | -         | -          | -          | -         | -         | -         | -         | 5.30                                     |
|     | 4    | 5.40                        | -                            | -      | -      | -      | -      | 6.50                   | 6.50       | 6.40       | 6.40      | 5.40                                      | 6.50      | 6.50       | 6.40       | 6.40      | -         | -         | -         | -                                        |
|     | 5    | -                           | 6.10                         | 6.00   | 5.80   | 5.80   | 5.8    | -                      | -          | -          | -         | -                                         | -         | -          | -          | -         | -         | -         | -         | -                                        |
|     | 6    | -                           | 6.10                         | 6.00   | 6.00   | 6.00   | 6.00   | -                      | -          | -          | -         | -                                         | -         | -          | -          | -         | -         | -         | -         | -                                        |
|     | 7    | -                           | 5.80                         | 5.80   | 5.70   | 5.60   | 5.60   | -                      | -          | -          | -         | -                                         | -         | -          | -          | -         | -         | -         | -         | -                                        |
|     | 8    | -                           | 6.00                         | 6.00   | 5.90   | 5.80   | 5.80   | -                      | -          | -          | -         | -                                         | -         | -          | -          | -         | 5.90      | 5.80      | 5.80      | -                                        |

| Set | Port | Net Gain for 30 degrees (dBi) |                              |        |        |        |        |                        |         |         |        |                                           |        |         |         |        |        |        |        |                                          |
|-----|------|-------------------------------|------------------------------|--------|--------|--------|--------|------------------------|---------|---------|--------|-------------------------------------------|--------|---------|---------|--------|--------|--------|--------|------------------------------------------|
|     |      | WLAN<br>2.4GHz<br>(Radio 1)   | WLAN 5GHz, 6GHz<br>(Radio 2) |        |        |        |        | WLAN 5GHz<br>(Radio 3) |         |         |        | WLAN 2.4GHz, 5GHz, 6GHz<br>(Scan Radio 0) |        |         |         |        |        |        |        | Bluetooth /<br>IEEE802.15.4<br>(Radio 4) |
|     |      |                               | UNII<br>2C                   | UNII 3 | UNII 5 | UNII 6 | UNII 7 | UNII 1                 | UNII 2A | UNII 2C | UNII 3 | 2.4GHz                                    | UNII 1 | UNII 2A | UNII 2C | UNII 3 | UNII 5 | UNII 6 | UNII 7 |                                          |
| 3   | 1    | -                             | -                            | -      | -      | -      | 3.30   | -                      | -       | -       | -      | -                                         | -      | -       | -       | -      | -      | -      | -      |                                          |
|     | 2    | -                             | -                            | -      | -      | -      | 3.50   | -                      | -       | -       | -      | -                                         | -      | -       | -       | -      | -      | -      | -      |                                          |
|     | 3    | -                             | -                            | -      | -      | -      | 4.00   | -                      | -       | -       | -      | -                                         | -      | -       | -       | -      | -      | -      | -      |                                          |
|     | 4    | -                             | -                            | -      | -      | -      | 4.00   | -                      | -       | -       | -      | -                                         | 4.00   | -       | -       | -      | -      | -      | -      |                                          |
|     | 5    | -                             | -                            | -      | -0.70  | -0.70  | -1.20  | -                      | -       | -       | -      | -                                         | -      | -       | -       | -      | -      | -      | -      |                                          |
|     | 6    | -                             | -                            | -      | -0.50  | -0.50  | -1.00  | -                      | -       | -       | -      | -                                         | -      | -       | -       | -      | -      | -      | -      |                                          |
|     | 7    | -                             | -                            | -      | -0.80  | -0.90  | -1.40  | -                      | -       | -       | -      | -                                         | -      | -       | -       | -      | -      | -      | -      |                                          |
|     | 8    | -                             | -                            | -      | -0.60  | -0.70  | -1.20  | -                      | -       | -       | -      | -                                         | -      | -       | -       | -0.60  | -0.70  | -1.20  | -      |                                          |



| Set | Antenna Peak Gain (dBi)                |           |         |         |        |           |        |        |                                    |
|-----|----------------------------------------|-----------|---------|---------|--------|-----------|--------|--------|------------------------------------|
| 4   | WLAN 2.4GHz                            | WLAN 5GHz |         |         |        | WLAN 6GHz |        |        | Bluetooth / IEEE802.15.4 (Radio 4) |
|     |                                        | UNII 1    | UNII 2A | UNII 2C | UNII 3 | UNII 5    | UNII 6 | UNII 7 |                                    |
|     | 13.00                                  | 13.00     | 13.00   | 13.00   | 13.00  | -         | -      | -      | 13.00                              |
| Set | Antenna Peak Gain for 30 degrees (dBi) |           |         |         |        |           |        |        |                                    |
| 4   | WLAN 2.4GHz                            | WLAN 5GHz |         |         |        | WLAN 6GHz |        |        | Bluetooth / IEEE802.15.4 (Radio 4) |
|     |                                        | UNII 1    | UNII 2A | UNII 2C | UNII 3 | UNII 5    | UNII 6 | UNII 7 |                                    |
|     | -                                      | 1.00      | -       | -       | -      | -         | -      | -      | -                                  |

| Set | Port | Internal cable loss U.FL to N-Type (dB) |                              |        |        |        |        |                        |            |            |           |                                           |           |            |            |           |           |           |           |                                          |
|-----|------|-----------------------------------------|------------------------------|--------|--------|--------|--------|------------------------|------------|------------|-----------|-------------------------------------------|-----------|------------|------------|-----------|-----------|-----------|-----------|------------------------------------------|
|     |      | WLAN<br>2.4GHz<br>(Radio 1)             | WLAN 5GHz, 6GHz<br>(Radio 2) |        |        |        |        | WLAN 5GHz<br>(Radio 3) |            |            |           | WLAN 2.4GHz, 5GHz, 6GHz<br>(Scan Radio 0) |           |            |            |           |           |           |           | Bluetooth /<br>IEEE802.15.4<br>(Radio 4) |
|     |      |                                         | UNII<br>2C                   | UNII 3 | UNII 5 | UNII 6 | UNII 7 | UNII<br>1              | UNII<br>2A | UNII<br>2C | UNII<br>3 | 2.4GHz                                    | UNII<br>1 | UNII<br>2A | UNII<br>2C | UNII<br>3 | UNII<br>5 | UNII<br>6 | UNII<br>7 |                                          |
| 4   | 1    | 1.10                                    | -                            | -      | -      | -      | -      | 1.70                   | 1.70       | 1.90       | 1.90      | -                                         | -         | -          | -          | -         | -         | -         | -         |                                          |
|     | 2    | 0.90                                    | -                            | -      | -      | -      | -      | 1.50                   | 1.50       | 1.70       | 1.80      | -                                         | -         | -          | -          | -         | -         | -         | -         |                                          |
|     | 3    | 0.70                                    | -                            | -      | -      | -      | -      | 1.00                   | 1.00       | 1.20       | 1.20      | -                                         | -         | -          | -          | -         | -         | -         | 0.70      |                                          |
|     | 4    | 0.60                                    | -                            | -      | -      | -      | -      | 1.00                   | 1.00       | 1.10       | 1.10      | 0.60                                      | 1.00      | 1.00       | 1.10       | 1.10      | -         | -         | -         |                                          |
|     | 5    | -                                       | 1.40                         | 1.50   | -      | -      | -      | -                      | -          | -          | -         | -                                         | -         | -          | -          | -         | -         | -         | -         |                                          |
|     | 6    | -                                       | 1.40                         | 1.50   | -      | -      | -      | -                      | -          | -          | -         | -                                         | -         | -          | -          | -         | -         | -         | -         |                                          |
|     | 7    | -                                       | 1.70                         | 1.70   | -      | -      | -      | -                      | -          | -          | -         | -                                         | -         | -          | -          | -         | -         | -         | -         |                                          |
|     | 8    | -                                       | 1.50                         | 1.50   | -      | -      | -      | -                      | -          | -          | -         | -                                         | -         | -          | -          | -         | -         | -         | -         |                                          |

| Set | Port | N-Type cable loss (dB)      |                              |        |        |        |        |                        |            |            |           |                                           |           |            |            |           |           |           |           |                                          |
|-----|------|-----------------------------|------------------------------|--------|--------|--------|--------|------------------------|------------|------------|-----------|-------------------------------------------|-----------|------------|------------|-----------|-----------|-----------|-----------|------------------------------------------|
|     |      | WLAN<br>2.4GHz<br>(Radio 1) | WLAN 5GHz, 6GHz<br>(Radio 2) |        |        |        |        | WLAN 5GHz<br>(Radio 3) |            |            |           | WLAN 2.4GHz, 5GHz, 6GHz<br>(Scan Radio 0) |           |            |            |           |           |           |           | Bluetooth /<br>IEEE802.15.4<br>(Radio 4) |
|     |      |                             | UNII<br>2C                   | UNII 3 | UNII 5 | UNII 6 | UNII 7 | UNII<br>1              | UNII<br>2A | UNII<br>2C | UNII<br>3 | 2.4GHz                                    | UNII<br>1 | UNII<br>2A | UNII<br>2C | UNII<br>3 | UNII<br>5 | UNII<br>6 | UNII<br>7 |                                          |
| 4   | 1    | 0.50                        | -                            | -      | -      | -      | -      | 0.80                   | 0.80       | 0.80       | 0.80      | -                                         | -         | -          | -          | -         | -         | -         | -         | -                                        |
|     | 2    | 0.50                        | -                            | -      | -      | -      | -      | 0.80                   | 0.80       | 0.80       | 0.80      | -                                         | -         | -          | -          | -         | -         | -         | -         | -                                        |
|     | 3    | 0.50                        | -                            | -      | -      | -      | -      | 0.80                   | 0.80       | 0.80       | 0.80      | -                                         | -         | -          | -          | -         | -         | -         | -         | 0.50                                     |
|     | 4    | 0.50                        | -                            | -      | -      | -      | -      | 0.80                   | 0.80       | 0.80       | 0.80      | 0.50                                      | 0.80      | 0.80       | 0.80       | 0.80      | -         | -         | -         | -                                        |
|     | 5    | -                           | 0.80                         | 0.80   | -      | -      | -      | -                      | -          | -          | -         | -                                         | -         | -          | -          | -         | -         | -         | -         | -                                        |
|     | 6    | -                           | 0.80                         | 0.80   | -      | -      | -      | -                      | -          | -          | -         | -                                         | -         | -          | -          | -         | -         | -         | -         | -                                        |
|     | 7    | -                           | 0.80                         | 0.80   | -      | -      | -      | -                      | -          | -          | -         | -                                         | -         | -          | -          | -         | -         | -         | -         | -                                        |
|     | 8    | -                           | 0.80                         | 0.80   | -      | -      | -      | -                      | -          | -          | -         | -                                         | -         | -          | -          | -         | -         | -         | -         | -                                        |

| Set | Port | Net Gain (dBi)              |                              |        |        |        |        |                        |            |            |           |                                           |           |            |            |           |           |           |           |                                          |
|-----|------|-----------------------------|------------------------------|--------|--------|--------|--------|------------------------|------------|------------|-----------|-------------------------------------------|-----------|------------|------------|-----------|-----------|-----------|-----------|------------------------------------------|
|     |      | WLAN<br>2.4GHz<br>(Radio 1) | WLAN 5GHz, 6GHz<br>(Radio 2) |        |        |        |        | WLAN 5GHz<br>(Radio 3) |            |            |           | WLAN 2.4GHz, 5GHz, 6GHz<br>(Scan Radio 0) |           |            |            |           |           |           |           | Bluetooth /<br>IEEE802.15.4<br>(Radio 4) |
|     |      |                             | UNII<br>2C                   | UNII 3 | UNII 5 | UNII 6 | UNII 7 | UNII<br>1              | UNII<br>2A | UNII<br>2C | UNII<br>3 | 2.4GHz                                    | UNII<br>1 | UNII<br>2A | UNII<br>2C | UNII<br>3 | UNII<br>5 | UNII<br>6 | UNII<br>7 |                                          |
| 4   | 1    | 11.40                       | -                            | -      | -      | -      | -      | 10.50                  | 10.50      | 10.30      | 10.30     | -                                         | -         | -          | -          | -         | -         | -         | -         | -                                        |
|     | 2    | 11.60                       | -                            | -      | -      | -      | -      | 10.70                  | 10.70      | 10.50      | 10.40     | -                                         | -         | -          | -          | -         | -         | -         | -         | -                                        |
|     | 3    | 11.80                       | -                            | -      | -      | -      | -      | 11.20                  | 11.20      | 11.00      | 11.00     | -                                         | -         | -          | -          | -         | -         | -         | -         | 11.80                                    |
|     | 4    | 11.90                       | -                            | -      | -      | -      | -      | 11.20                  | 11.20      | 11.10      | 11.10     | 11.90                                     | 11.20     | 11.20      | 11.10      | 11.10     | -         | -         | -         | -                                        |
|     | 5    | -                           | 10.80                        | 10.70  | -      | -      | -      | -                      | -          | -          | -         | -                                         | -         | -          | -          | -         | -         | -         | -         | -                                        |
|     | 6    | -                           | 10.80                        | 10.70  | -      | -      | -      | -                      | -          | -          | -         | -                                         | -         | -          | -          | -         | -         | -         | -         | -                                        |
|     | 7    | -                           | 10.50                        | 10.50  | -      | -      | -      | -                      | -          | -          | -         | -                                         | -         | -          | -          | -         | -         | -         | -         | -                                        |
|     | 8    | -                           | 10.70                        | 10.70  | -      | -      | -      | -                      | -          | -          | -         | -                                         | -         | -          | -          | -         | -         | -         | -         | -                                        |

| Set | Port | Net Gain for 30 degrees (dBi) |                              |        |        |        |        |                        |            |            |           |                                           |           |            |            |           |           |           |           |                                          |
|-----|------|-------------------------------|------------------------------|--------|--------|--------|--------|------------------------|------------|------------|-----------|-------------------------------------------|-----------|------------|------------|-----------|-----------|-----------|-----------|------------------------------------------|
|     |      | WLAN<br>2.4GHz<br>(Radio 1)   | WLAN 5GHz, 6GHz<br>(Radio 2) |        |        |        |        | WLAN 5GHz<br>(Radio 3) |            |            |           | WLAN 2.4GHz, 5GHz, 6GHz<br>(Scan Radio 0) |           |            |            |           |           |           |           | Bluetooth /<br>IEEE802.15.4<br>(Radio 4) |
|     |      |                               | UNII<br>2C                   | UNII 3 | UNII 5 | UNII 6 | UNII 7 | UNII<br>1              | UNII<br>2A | UNII<br>2C | UNII<br>3 | 2.4GHz                                    | UNII<br>1 | UNII<br>2A | UNII<br>2C | UNII<br>3 | UNII<br>5 | UNII<br>6 | UNII<br>7 |                                          |
| 4   | 1    | -                             | -                            | -      | -      | -      | -1.50  | -                      | -          | -          | -         | -                                         | -         | -          | -          | -         | -         | -         | -         |                                          |
|     | 2    | -                             | -                            | -      | -      | -      | -1.30  | -                      | -          | -          | -         | -                                         | -         | -          | -          | -         | -         | -         | -         |                                          |
|     | 3    | -                             | -                            | -      | -      | -      | -0.80  | -                      | -          | -          | -         | -                                         | -         | -          | -          | -         | -         | -         | -         |                                          |
|     | 4    | -                             | -                            | -      | -      | -      | -0.80  | -                      | -          | -          | -         | -0.80                                     | -         | -          | -          | -         | -         | -         | -         |                                          |
|     | 5    | -                             | -                            | -      | -      | -      | -      | -                      | -          | -          | -         | -                                         | -         | -          | -          | -         | -         | -         | -         |                                          |
|     | 6    | -                             | -                            | -      | -      | -      | -      | -                      | -          | -          | -         | -                                         | -         | -          | -          | -         | -         | -         | -         |                                          |
|     | 7    | -                             | -                            | -      | -      | -      | -      | -                      | -          | -          | -         | -                                         | -         | -          | -          | -         | -         | -         | -         |                                          |
|     | 8    | -                             | -                            | -      | -      | -      | -      | -                      | -          | -          | -         | -                                         | -         | -          | -          | -         | -         | -         | -         |                                          |



| Set | Antenna Peak Gain (dBi)                |           |         |         |        |           |        |        |
|-----|----------------------------------------|-----------|---------|---------|--------|-----------|--------|--------|
|     | WLAN 2.4GHz                            | WLAN 5GHz |         |         |        | WLAN 6GHz |        |        |
| 5   |                                        | UNII 1    | UNII 2A | UNII 2C | UNII 3 | UNII 5    | UNII 6 | UNII 7 |
|     | 4.00                                   | 4.00      | 4.00    | 4.00    | 4.00   | 4.00      | 4.00   | 4.00   |
| Set | Antenna Peak Gain for 30 degrees (dBi) |           |         |         |        |           |        |        |
|     | WLAN 2.4GHz                            | WLAN 5GHz |         |         |        | WLAN 6GHz |        |        |
| 5   |                                        | UNII 1    | UNII 2A | UNII 2C | UNII 3 | UNII 5    | UNII 6 | UNII 7 |
|     | -                                      | -0.50     | -       | -       | -      | 1.00      | 1.00   | 1.00   |
|     |                                        |           |         |         |        |           |        |        |

| Set | Port | Internal cable loss U.FL to N-Type (dB) |                              |        |        |        |        |                        |            |            |           |                                           |           |            |            |           |           |           |           |                                          |
|-----|------|-----------------------------------------|------------------------------|--------|--------|--------|--------|------------------------|------------|------------|-----------|-------------------------------------------|-----------|------------|------------|-----------|-----------|-----------|-----------|------------------------------------------|
|     |      | WLAN<br>2.4GHz<br>(Radio 1)             | WLAN 5GHz, 6GHz<br>(Radio 2) |        |        |        |        | WLAN 5GHz<br>(Radio 3) |            |            |           | WLAN 2.4GHz, 5GHz, 6GHz<br>(Scan Radio 0) |           |            |            |           |           |           |           | Bluetooth /<br>IEEE802.15.4<br>(Radio 4) |
|     |      |                                         | UNII<br>2C                   | UNII 3 | UNII 5 | UNII 6 | UNII 7 | UNII<br>1              | UNII<br>2A | UNII<br>2C | UNII<br>3 | 2.4GHz                                    | UNII<br>1 | UNII<br>2A | UNII<br>2C | UNII<br>3 | UNII<br>5 | UNII<br>6 | UNII<br>7 |                                          |
| 5   | 1    | 1.10                                    | -                            | -      | -      | -      | -      | 1.70                   | 1.70       | 1.90       | 1.90      | -                                         | -         | -          | -          | -         | -         | -         | -         | -                                        |
|     | 2    | 0.90                                    | -                            | -      | -      | -      | -      | 1.50                   | 1.50       | 1.70       | 1.80      | -                                         | -         | -          | -          | -         | -         | -         | -         | -                                        |
|     | 3    | 0.70                                    | -                            | -      | -      | -      | -      | 1.00                   | 1.00       | 1.20       | 1.20      | -                                         | -         | -          | -          | -         | -         | -         | -         | 0.70                                     |
|     | 4    | 0.60                                    | -                            | -      | -      | -      | -      | 1.00                   | 1.00       | 1.10       | 1.10      | 0.60                                      | 1.00      | 1.00       | 1.10       | 1.10      | -         | -         | -         | -                                        |
|     | 5    | -                                       | 1.40                         | 1.50   | -      | -      | -      | -                      | -          | -          | -         | -                                         | -         | -          | -          | -         | -         | -         | -         | -                                        |
|     | 6    | -                                       | 1.40                         | 1.50   | -      | -      | -      | -                      | -          | -          | -         | -                                         | -         | -          | -          | -         | -         | -         | -         | -                                        |
|     | 7    | -                                       | 1.70                         | 1.70   | -      | -      | -      | -                      | -          | -          | -         | -                                         | -         | -          | -          | -         | -         | -         | -         | -                                        |
|     | 8    | -                                       | 1.50                         | 1.50   | -      | -      | -      | -                      | -          | -          | -         | -                                         | -         | -          | -          | -         | -         | -         | -         | -                                        |

| Set | Port | Net Gain (dBi)              |                              |        |        |        |        |                        |         |         |        |                                           |        |         |         |        |        |        |        |                                          |
|-----|------|-----------------------------|------------------------------|--------|--------|--------|--------|------------------------|---------|---------|--------|-------------------------------------------|--------|---------|---------|--------|--------|--------|--------|------------------------------------------|
|     |      | WLAN<br>2.4GHz<br>(Radio 1) | WLAN 5GHz, 6GHz<br>(Radio 2) |        |        |        |        | WLAN 5GHz<br>(Radio 3) |         |         |        | WLAN 2.4GHz, 5GHz, 6GHz<br>(Scan Radio 0) |        |         |         |        |        |        |        | Bluetooth /<br>IEEE802.15.4<br>(Radio 4) |
|     |      |                             | UNII<br>2C                   | UNII 3 | UNII 5 | UNII 6 | UNII 7 | UNII 1                 | UNII 2A | UNII 2C | UNII 3 | 2.4GHz                                    | UNII 1 | UNII 2A | UNII 2C | UNII 3 | UNII 5 | UNII 6 | UNII 7 |                                          |
| 5   | 1    | 2.90                        | -                            | -      | -      | -      | -      | 2.30                   | 2.30    | 2.10    | 2.10   | -                                         | -      | -       | -       | -      | -      | -      | -      | -                                        |
|     | 2    | 3.10                        | -                            | -      | -      | -      | -      | 2.50                   | 2.50    | 2.30    | 2.20   | -                                         | -      | -       | -       | -      | -      | -      | -      | -                                        |
|     | 3    | 3.30                        | -                            | -      | -      | -      | -      | 3.00                   | 3.00    | 2.80    | 2.80   | -                                         | -      | -       | -       | -      | -      | -      | -      | 3.30                                     |
|     | 4    | 3.40                        | -                            | -      | -      | -      | -      | 3.00                   | 3.00    | 2.90    | 2.90   | 3.40                                      | 3.00   | 3.00    | 2.90    | 2.90   | -      | -      | -      | -                                        |
|     | 5    | -                           | 2.60                         | 2.50   | 2.30   | 2.30   | 2.30   | -                      | -       | -       | -      | -                                         | -      | -       | -       | -      | -      | -      | -      | -                                        |
|     | 6    | -                           | 2.60                         | 2.50   | 2.50   | 2.50   | 2.50   | -                      | -       | -       | -      | -                                         | -      | -       | -       | -      | -      | -      | -      | -                                        |
|     | 7    | -                           | 2.30                         | 2.30   | 2.20   | 2.10   | 2.10   | -                      | -       | -       | -      | -                                         | -      | -       | -       | -      | -      | -      | -      | -                                        |
|     | 8    | -                           | 2.50                         | 2.50   | 2.40   | 2.30   | 2.30   | -                      | -       | -       | -      | -                                         | -      | -       | -       | -      | 2.40   | 2.30   | 2.30   | -                                        |

| Set | Port | Net Gain for 30 degrees (dBi) |                              |        |        |        |        |                        |         |         |        |                                           |        |         |         |        |        |        |        |                                          |
|-----|------|-------------------------------|------------------------------|--------|--------|--------|--------|------------------------|---------|---------|--------|-------------------------------------------|--------|---------|---------|--------|--------|--------|--------|------------------------------------------|
|     |      | WLAN<br>2.4GHz<br>(Radio 1)   | WLAN 5GHz, 6GHz<br>(Radio 2) |        |        |        |        | WLAN 5GHz<br>(Radio 3) |         |         |        | WLAN 2.4GHz, 5GHz, 6GHz<br>(Scan Radio 0) |        |         |         |        |        |        |        | Bluetooth /<br>IEEE802.15.4<br>(Radio 4) |
|     |      |                               | UNII<br>2C                   | UNII 3 | UNII 5 | UNII 6 | UNII 7 | UNII 1                 | UNII 2A | UNII 2C | UNII 3 | 2.4GHz                                    | UNII 1 | UNII 2A | UNII 2C | UNII 3 | UNII 5 | UNII 6 | UNII 7 |                                          |
| 5   | 1    | -                             | -                            | -      | -      | -      | -2.20  | -                      | -       | -       | -      | -                                         | -      | -       | -       | -      | -      | -      | -      |                                          |
|     | 2    | -                             | -                            | -      | -      | -      | -2.00  | -                      | -       | -       | -      | -                                         | -      | -       | -       | -      | -      | -      | -      |                                          |
|     | 3    | -                             | -                            | -      | -      | -      | -1.50  | -                      | -       | -       | -      | -                                         | -      | -       | -       | -      | -      | -      | -      |                                          |
|     | 4    | -                             | -                            | -      | -      | -      | -1.50  | -                      | -       | -       | -      | -1.50                                     | -      | -       | -       | -      | -      | -      | -      |                                          |
|     | 5    | -                             | -                            | -      | -0.70  | -0.70  | -0.70  | -                      | -       | -       | -      | -                                         | -      | -       | -       | -      | -      | -      | -      |                                          |
|     | 6    | -                             | -                            | -      | -0.50  | -0.50  | -0.50  | -                      | -       | -       | -      | -                                         | -      | -       | -       | -      | -      | -      | -      |                                          |
|     | 7    | -                             | -                            | -      | -0.80  | -0.90  | -0.90  | -                      | -       | -       | -      | -                                         | -      | -       | -       | -      | -      | -      | -      |                                          |
|     | 8    | -                             | -                            | -      | -0.60  | -0.70  | -0.70  | -                      | -       | -       | -      | -                                         | -      | -       | -       | -0.60  | -0.70  | -0.70  | -      |                                          |



| Set | Port | Antenna Peak Gain (dBi) |
|-----|------|-------------------------|
|     |      | GPS<br>(Radio 5)        |
| 6   | 9    | 3.2                     |
| 7   | 10   | 2.98                    |

| Set | Port | Internal cable loss U.FL to N-Type (dB) |
|-----|------|-----------------------------------------|
|     |      | GPS<br>(Radio 5)                        |
| 7   | 10   | 0.50                                    |

| Set | Port | Net Gain (dBi)   |
|-----|------|------------------|
|     |      | GPS<br>(Radio 5) |
| 7   | 10   | 2.48             |

Note 2: The above information was declared by manufacturer.

Note 3: Directional gain information

| Type   | Maximum Output Power                                                                                                                                       | Power Spectral Density                                                                                                               |
|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Non-BF | Directional gain = Max.gain + array gain.<br>For power measurements on IEEE 802.11 devices<br>Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$ | $DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$ |
| BF     | $DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$                       | $DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$ |

Ex.

Directional Gain (NSS1) formula :

$$DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$$

**For 2TX:**

$$NSS1(g1,1) = 10^{G1/20} ; NSS1(g1,2) = 10^{G2/20} ;$$

$$g_{j,k} = (NSS1(g1,1) + NSS1(g1,2))^2$$

$$DG = 10 \log[(NSS1(g1,1) + NSS1(g1,2))^2 / N_{ANT}] \Rightarrow 10 \log[(10^{G1/20} + 10^{G2/20})^2 / N_{ANT}]$$

**For 4TX:**

$$NSS1(g1,1) = 10^{G1/20} ; NSS1(g1,2) = 10^{G2/20} ; NSS1(g1,3) = 10^{G3/20} ; NSS1(g1,4) = 10^{G4/20}$$

$$g_{j,k} = (NSS1(g1,1) + NSS1(g1,2) + NSS1(g1,3) + NSS1(g1,4))^2$$

$$DG = 10 \log[(NSS1(g1,1) + NSS1(g1,2) + NSS1(g1,3) + NSS1(g1,4))^2 / N_{ANT}] \Rightarrow 10 \log[(10^{G1/20} + 10^{G2/20} + 10^{G3/20} + 10^{G4/20})^2 / N_{ANT}]$$

Where;



**For Minimum Antenna Gain Configuration:  
For Directional Gain:**

| Radio | Mode         |     | Mini Gain (dBi) |      |      |      | DG (dBi) | Remark |
|-------|--------------|-----|-----------------|------|------|------|----------|--------|
|       |              |     | G1              | G2   | G3   | G4   |          |        |
| 1     | 2.4GHz       | 2TX | 2.90            | 3.10 | -    | -    | 6.01     |        |
|       |              | 4TX | 2.90            | 3.10 | 3.30 | 3.40 | 9.20     |        |
| 2     | 5GHz UNII-2C | 2TX | 2.60            | 2.60 | -    | -    | 5.61     |        |
|       |              | 4TX | 2.60            | 2.60 | 2.30 | 2.50 | 8.52     |        |
|       | 5GHz UNII-3  | 2TX | 2.50            | 2.50 | -    | -    | 5.51     |        |
|       |              | 4TX | 2.50            | 2.50 | 2.30 | 2.50 | 8.47     |        |
|       | 6GHz UNII-5  | 2TX | 2.30            | 2.50 | -    | -    | 5.41     |        |
|       |              | 4TX | 2.30            | 2.50 | 2.20 | 2.40 | 8.37     |        |
|       | 6GHz UNII-6  | 2TX | 2.30            | 2.50 | -    | -    | 5.41     |        |
|       |              | 4TX | 2.30            | 2.50 | 2.10 | 2.30 | 8.32     |        |
|       | 6GHz UNII-7  | 2TX | 2.30            | 2.50 | -    | -    | 5.41     |        |
|       |              | 4TX | 2.30            | 2.50 | 2.10 | 2.30 | 8.32     |        |
| 3     | 5GHz UNII-1  | 2TX | 2.30            | 2.50 | -    | -    | 5.41     |        |
|       |              | 4TX | 2.30            | 2.50 | 3.00 | 3.00 | 8.73     |        |
|       | 5GHz UNII-2A | 2TX | 2.30            | 2.50 | -    | -    | 5.41     |        |
|       |              | 4TX | 2.30            | 2.50 | 3.00 | 3.00 | 8.73     |        |
|       | 5GHz UNII-2C | 2TX | 2.10            | 2.30 | -    | -    | 5.21     |        |
|       |              | 4TX | 2.10            | 2.30 | 2.80 | 2.90 | 8.55     |        |
|       | 5GHz UNII-3  | 2TX | 2.10            | 2.30 | -    | -    | 5.21     |        |
|       |              | 4TX | 2.10            | 2.20 | 2.80 | 2.90 | 8.53     |        |

**For Antenna Gain above 30 degrees:**

| Radio | Mode      |     | Mini Gain (dBi) |       |       |       | DG (dBi) | Remark |
|-------|-----------|-----|-----------------|-------|-------|-------|----------|--------|
|       |           |     | G1              | G2    | G3    | G4    |          |        |
| 2     | 6G UNII-5 | 2TX | -4.50           | -4.30 | -     | -     | -4.30    |        |
|       |           | 4TX | -4.50           | -4.30 | -4.60 | -4.40 | -1.44    |        |
|       | 6G UNII-6 | 2TX | -5.20           | -5.00 | -     | -     | -5.00    |        |
|       |           | 4TX | -5.20           | -5.00 | -5.40 | -5.20 | -2.19    |        |
|       | 6G UNII-7 | 2TX | -5.30           | -5.10 | -     | -     | -5.20    |        |
|       |           | 4TX | -5.30           | -5.10 | -5.50 | -5.30 | -2.29    |        |
| 3     | 5G UNII-1 | 2TX | -5.70           | -5.50 | -     | -     | -5.50    |        |
|       |           | 4TX | -5.70           | -5.50 | -5.00 | -5.00 | -2.28    |        |

**For Maximum Antenna Gain Configuration:  
For Directional Gain:**

| Radio | Mode         |     | Max Gain (dBi) |       |       |       | DG (dBi) | Remark                  |
|-------|--------------|-----|----------------|-------|-------|-------|----------|-------------------------|
|       |              |     | G1             | G2    | G3    | G4    |          |                         |
| 1     | 2.4GHz       | 2TX | 11.40          | 11.60 | -     | -     | 11.60    | Cross-Polarized Antenna |
|       |              | 4TX | 11.40          | 11.60 | 11.80 | 11.90 | 14.69    |                         |
| 2     | 5GHz UNII-2C | 2TX | 11.80          | 11.80 | -     | -     | 11.80    | Cross-Polarized Antenna |
|       |              | 4TX | 11.80          | 11.80 | 11.50 | 11.70 | 13.71    |                         |
|       | 5GHz UNII-3  | 2TX | 11.70          | 11.70 | -     | -     | 11.70    |                         |
|       |              | 4TX | 11.70          | 11.70 | 11.50 | 11.70 | 13.66    |                         |
|       | 6GHz UNII-5  | 2TX | 6.10           | 6.30  | -     | -     | 8.91     | Cross-Polarized Antenna |
|       |              | 4TX | 6.10           | 6.30  | 6.00  | 6.20  | 11.87    |                         |
|       | 6GHz UNII-6  | 2TX | 6.10           | 6.30  | -     | -     | 8.91     |                         |
|       |              | 4TX | 6.10           | 6.30  | 5.90  | 6.10  | 11.82    |                         |
|       | 6GHz UNII-7  | 2TX | 6.10           | 6.30  | -     | -     | 8.91     |                         |
|       |              | 4TX | 6.10           | 6.30  | 5.90  | 6.10  | 11.82    |                         |
| 3     | 5GHz UNII-1  | 2TX | 10.50          | 10.70 | -     | -     | 11.70    | Cross-Polarized Antenna |
|       |              | 4TX | 10.50          | 10.70 | 11.20 | 11.20 | 13.92    |                         |
|       | 5GHz UNII-2A | 2TX | 10.50          | 10.70 | -     | -     | 10.70    |                         |
|       |              | 4TX | 10.50          | 10.70 | 11.20 | 11.20 | 13.92    |                         |
|       | 5GHz UNII-2C | 2TX | 10.30          | 10.50 | -     | -     | 10.50    |                         |
|       |              | 4TX | 10.30          | 10.50 | 11.00 | 11.10 | 13.75    |                         |
|       | 5GHz UNII-3  | 2TX | 10.30          | 10.40 | -     | -     | 10.40    |                         |
|       |              | 4TX | 10.30          | 10.40 | 11.00 | 11.10 | 13.72    |                         |

**For Antenna Gain above 30 degrees:**

| Radio | Mode      |     | Max Gain (dBi) |       |       |       | DG (dBi) | Remark |
|-------|-----------|-----|----------------|-------|-------|-------|----------|--------|
|       |           |     | G1             | G2    | G3    | G4    |          |        |
| 2     | 6G UNII-5 | 2TX | -0.70          | -0.50 | -     | -     | 2.41     | -      |
|       |           | 4TX | -0.70          | -0.50 | -0.80 | -0.60 | 5.32     |        |
|       | 6G UNII-6 | 2TX | -0.70          | -0.50 | -     | -     | 2.41     |        |
|       |           | 4TX | -0.70          | -0.50 | -0.80 | -0.60 | 5.32     |        |
|       | 6G UNII-7 | 2TX | -0.70          | -0.50 | -     | -     | 2.41     |        |
|       |           | 4TX | -0.70          | -0.50 | -0.80 | -0.60 | 5.32     |        |
| 3     | 5G UNII-1 | 2TX | 3.30           | 3.50  | -     | -     | 6.41     |        |
|       |           | 4TX | 3.30           | 3.50  | 4.00  | 4.00  | 9.73     |        |



Note 4: The configuration of cross-polarization antennas is shown as below.

| Set | Port | MIMO with cross-polarized |
|-----|------|---------------------------|
| 1   | 1    | Vertical                  |
|     | 2    | Horizontal                |
|     | 3    | Vertical                  |
|     | 4    | Horizontal                |
|     | 5    | Horizontal                |
|     | 6    | Vertical                  |
|     | 7    | Vertical                  |
|     | 8    | Horizontal                |

| Set | Port | MIMO with cross-polarized |
|-----|------|---------------------------|
| 2   | 1, 5 | Horizontal                |
|     | 2, 6 | Vertical                  |
|     | 3, 7 | Vertical                  |
|     | 4, 8 | Horizontal                |

| Set | Port | MIMO with cross-polarized |
|-----|------|---------------------------|
| 4   | 1, 5 | Vertical                  |
|     | 2, 6 | Horizontal                |
|     | 3, 7 | Vertical                  |
|     | 4, 8 | Horizontal                |

| Set. | Point-to-Multipoint | Point-to-Point |
|------|---------------------|----------------|
| 1    | Yes                 | Yes            |
| 2    | Yes                 | Yes            |
| 3    | Yes                 | No             |
| 4    | Yes                 | Yes            |
| 5    | Yes                 | No             |

Note 5: The highest antenna gain (set 1) was selected for the test and recorded in this report.

Note 6: States antenna 6GHz transmission will be restricted per country's regulation.

**Note 7: <Scan Radio 0>****For 2.4GHz function:****For IEEE 802.11 b/g/n/VHT/ax (1TX/1RX):**

Only Port 1 can be used as transmitting/receiving antenna.

**For 5GHz function:****For IEEE 802.11 a/n/ac/ax (1TX/1RX):**

Only Port 1 can be used as transmitting/receiving antenna.

**For 6GHz function:****For IEEE 802.11 ax (1TX/1RX):**

Only Port 1 can be used as transmitting/receiving antenna.

**<Radio 1>****For 2.4GHz function:****For IEEE 802.11 b/g/n/VHT/ax/be (1TX, 2TX, 4TX/4RX):****1TX:**

Only Port 1 can be used as transmitting antenna.

**2TX:**

Both Port 1 and 2 can be used as transmitting antenna.

Port 1~2 could transmit simultaneously.

**4TX:**

Port 1~4 can be used as transmitting antenna.

Port 1~4 could transmit simultaneously.

**4RX:**

Port 1~4 can be used as receiving antenna.

Port 1~4 could receive simultaneously.

**<Radio 2>****For 5GHz function:****For IEEE 802.11 a/n/ac/ax/be (1TX, 2TX, 4TX/4RX):****1TX:**

Only Port 1 can be used as transmitting antenna.

**2TX:**

Both Port 1 and 2 can be used as transmitting antenna.

Port 1~2 could transmit simultaneously.

**4TX:**

Port 1~4 can be used as transmitting antenna.

Port 1~4 could transmit simultaneously.

**4RX:**

Port 1~4 can be used as receiving antenna.

Port 1~4 could receive simultaneously.

**For 6GHz function:****For IEEE 802.11 ax/be (1TX, 2TX, 4TX/4RX):****1TX:**

Only Port 1 can be used as transmitting antenna.

**2TX:**

Both Port 1 and 2 can be used as transmitting antenna.

Port 1~2 could transmit simultaneously.

**4TX:**

Port 1~4 can be used as transmitting antenna.

Port 1~4 could transmit simultaneously.

**4RX:**

Port 1~4 can be used as receiving antenna.

Port 1~4 could receive simultaneously.



**<Radio 3>**

**For 5GHz function:**

**For IEEE 802.11 a/n/ac/ax/be (1TX, 2TX, 4TX/4RX):**

**1TX:**

Only Port 1 can be used as transmitting antenna.

**2TX:**

Both Port 1 and 2 can be used as transmitting antenna.

Port 1~2 could transmit simultaneously.

**4TX:**

Port 1~4 can be used as transmitting antenna.

Port 1~4 could transmit simultaneously.

**4RX:**

Port 1~4 can be used as receiving antenna.

Port 1~4 could receive simultaneously.

**<Radio 4>**

**For Bluetooth function (1TX/1RX):**

Only Port 1 can be used as transmitting/receiving antenna.

**For IEEE 802.15.4 function (1TX/1RX):**

Only Port 1 can be used as transmitting/receiving antenna.

**<Radio 5>**

**For GPS function (1RX):**

Antenna set 6~7 can be used as receiving antenna, but only one of them will be used at one time.

### 1.3 Table for SW Information

| SW       | BW of 5GHz Mode (MHz) | 6GHz Mode                    | Support Function                       |
|----------|-----------------------|------------------------------|----------------------------------------|
| Catalyst | 20/40/80/160          | Standard Power Access Point. | AP                                     |
|          |                       |                              | CURWB P2P/P2MP Master                  |
|          |                       | -                            | CURWB P2MP client with radar detection |
| Meraki   | 20/40/80              | Standard Power Access Point. | AP                                     |

Note: The above information was declared by manufacturer.

### 1.4 Table for Radio Function

| Radio (R)          | Support Function                                                   | WLAN 2.4GHz | WLAN 5GHz |           | WLAN 6GHz | BT / IEEE 802.15.4 | GPS |
|--------------------|--------------------------------------------------------------------|-------------|-----------|-----------|-----------|--------------------|-----|
|                    |                                                                    |             | UNII 1~2A | UNII 2C~3 |           |                    |     |
| R0<br>(Scan Radio) | AP                                                                 | ✓           | ✓         | ✓         | ✓         | -                  | -   |
|                    | CURWB P2P/P2MP Master                                              | -           | ✓         | ✓         | ✓         | -                  | -   |
|                    | CURWB P2MP client with radar detection                             | -           | ✓         | ✓         | -         | -                  | -   |
| R1                 | AP                                                                 | ✓           | -         | -         | -         | -                  | -   |
| R2                 | AP & CURWB P2P/P2MP Master                                         | -           | -         | ✓         | ✓         | -                  | -   |
|                    | CURWB P2MP client with radar detection                             | -           | -         | ✓         | -         | -                  | -   |
| R3<br>(Note 1)     | AP, CURWB P2P/P2MP Master & CURWB P2MP client with radar detection | -           | ✓         | ✓         | -         | -                  | -   |
| R4                 | AP                                                                 | -           | -         | -         | -         | ✓                  | -   |
| R5                 | AP                                                                 | -           | -         | -         | -         | -                  | ✓   |

Note 1: Radio 3 supports operation in 5GHz full band (UNII 1~3) or low band (UNII 1~2A).

Note 2: For WLAN 2.4GHz, R0 and R1 can't operate at the same frequency simultaneously.

For WLAN 5GHz, R0, R2 and R3 can't operate at the same frequency simultaneously.

For WLAN 6GHz, R0 and R2 can't operate at the same frequency simultaneously.

Note 3: The above information was declared by manufacturer.



## 1.5 Accessories

| Accessories                               |
|-------------------------------------------|
| Antenna bracket*1 (For Ant. Set 1 use)    |
| Antenna cable*2 (For Ant. Set 1, 2&4 use) |
| M25 cap*4                                 |
| DC jack cap*1                             |
| SMA Sealed cap*1                          |
| M25 RJ-45 Cable gland*2                   |
| Bracket (Optional)*1                      |

## 1.6 Support Equipment

| Support Equipment |             |            |            |              |
|-------------------|-------------|------------|------------|--------------|
| No.               | Equipment   | Brand Name | Model Name | FCC ID       |
| A                 | Notebook    | DELL       | E4300      | N/A          |
| B                 | Notebook    | DELL       | E4300      | N/A          |
| C                 | WLAN module | QCA        | QCNCM865   | N/A          |
| D                 | PoE         | DELTA      | ADH-65AR P | N/A          |
| E                 | WLAN AP     | ASUS       | RT-AX88U   | MSQ-RTAXHP00 |

Note: The PoE was for measurement only and would not be marketed. Its information is listed below:

| Equipment | Brand Name | Model Name |
|-----------|------------|------------|
| PoE       | DELTA      | ADH-65AR P |



## 1.7 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
- ♦ FCC KDB 987594 D05 v01r01

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

- ♦ AFC Device (AFC DUT) Compliance Test Plan Version 1.7

## 1.8 Testing Location

| Testing Location Information                                    |                                                                                    |
|-----------------------------------------------------------------|------------------------------------------------------------------------------------|
| Test Lab. : Sporton International Inc. Hsinchu Laboratory       |                                                                                    |
| Hsinchu                                                         | ADD: No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County 302010, Taiwan (R.O.C.) |
| (TAF: 3787)                                                     | TEL: 886-3-656-9065 FAX: 886-3-656-9085                                            |
| Test site Designation No. TW3787 with FCC.                      |                                                                                    |
| Conformity Assessment Body Identifier (CABID) TW3787 with ISED. |                                                                                    |

| Test Condition | Test Site No. | Test Engineer | Test Environment<br>(°C / %) | Test Date                       |
|----------------|---------------|---------------|------------------------------|---------------------------------|
| RF Conducted   | TH01-CB       | Caster Chang  | 23.8-24.2 / 60-62            | Apr. 27, 2026~<br>Apr. 28, 2026 |
|                |               |               |                              | Jul. 15, 2026                   |



## 2 Measurement Environment

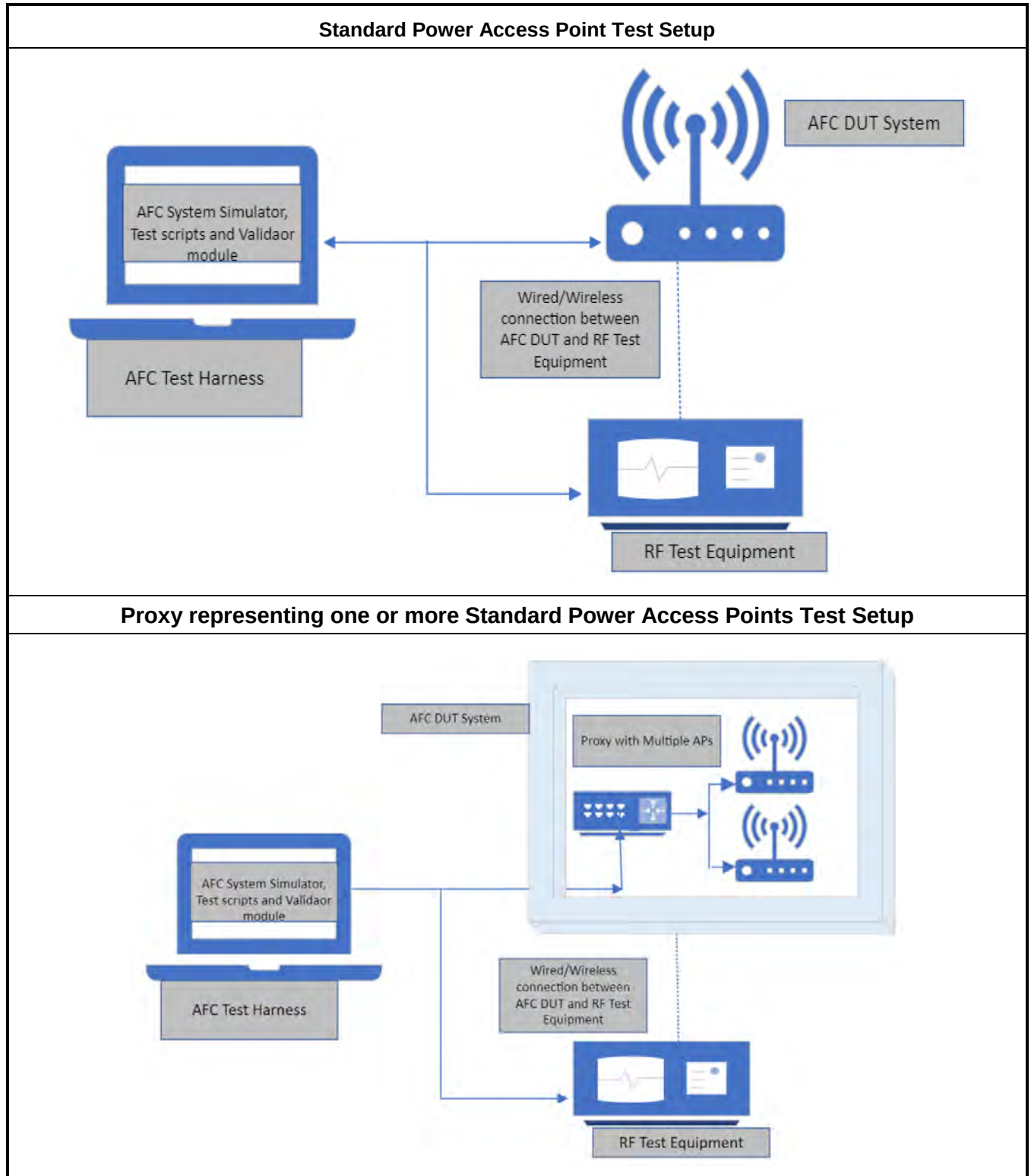
| Measurement Environment Information |            |
|-------------------------------------|------------|
| AFC DUT Test Harness version        | 2.0.65.184 |

### 2.1 AFCD General Capabilities Declaration

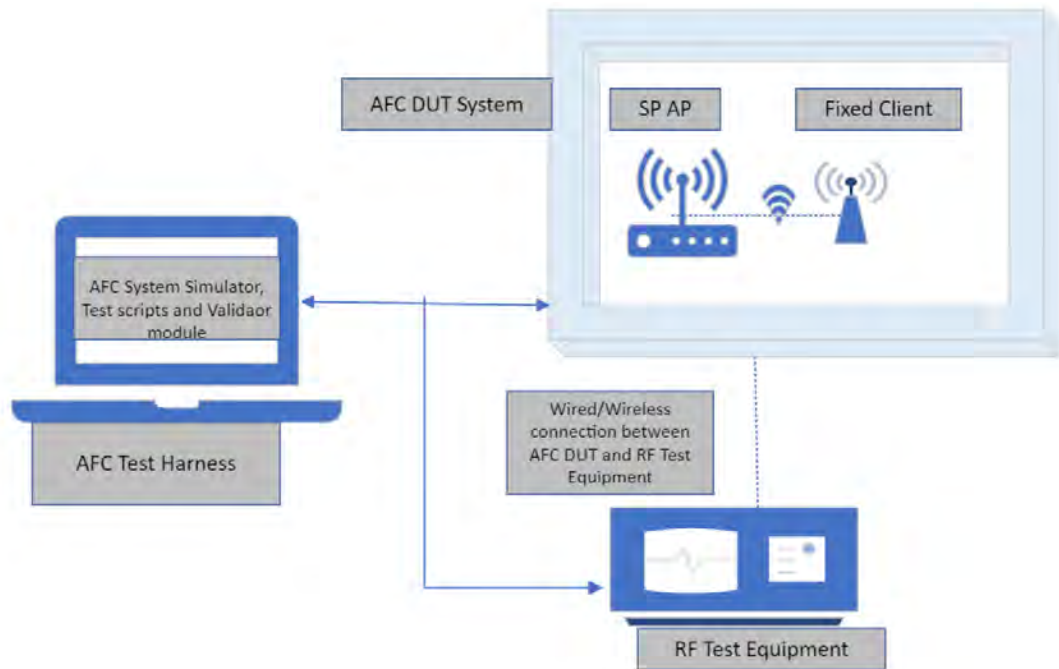
| Item | Question                                                                                                                        | Vendor Response          |
|------|---------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| 1    | AFC DUT Type                                                                                                                    | Standalone AP with Proxy |
| 2    | Does the AFC DUT supports sending an Available Spectrum Inquiry Request based on the inquired Frequency Range field?            | Yes                      |
| 3    | Does the AFC DUT supports sending an Available Spectrum Inquiry Request based on the inquired Channels fields?                  | No                       |
| 4    | If the Answer to Items 2 and 3 is "Yes", what is AFC DUT's default inquiry type?                                                | -                        |
| 5    | Does the AFC DUT need to be supplied with BSS configuration parameters?                                                         | No                       |
| 6    | Does the AFC DUT manufacturer attest to AFC DUT compliance with rules for LPI operation?                                        | No                       |
| 7    | Does the AFC DUT need to be supplied with mandatory registration information to formulate an Available Spectrum Inquiry Request | No                       |
| 8    | If the Answer to Item 7 is "Yes". What is the geographic Supported by the AFC DUT?                                              | N/A                      |
| 9    | Does the AFC DUT supports 160 MHz channel width operation?                                                                      | Yes                      |
| 10   | Which method does AFC DUT acting as a Fixed Client uses for sending an Available Spectrum Inquiry Request?                      | No                       |
| 11   | 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 9 declaration), configure the AFC DUT with BSS parameters per Table 14 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 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 9 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                                                                                                                                                                                                                                                                           |
| 20 | 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                                                                                       |
| 21 | 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                                                                                                                                                     |
| 22 | AFC DUT sends a valid Available Spectrum Inquiry Request containing the inquiredFrequencyRange and/or the inquiredChannels fields*                                                                                                                                                            |
| 23 | AFC DUT Test Harness validates the presence of mandatory registration information                                                                                                                                                                                                             |
| 24 | 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. |
| 25 | 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                                                                                                                                |
|    | Wait for 60 seconds (configurable)                                                                                                                                                                                                                                                            |
|    | 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 9 declaration), configure the AFC DUT with BSS parameters per Table 14 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 9 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 9 declaration), configure the DUT with BSS parameters per Table 14 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 9 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 9 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 9 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 9 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 9 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 9 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 9 declaration), configure the AFC DUT with BSS parameters per Table 14 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       | Brand | Model No. | Serial No.    | Characteristics | Calibration Date | Calibration Due Date | Remark              |
|------------------|-------|-----------|---------------|-----------------|------------------|----------------------|---------------------|
| Signal Analyzer  | R&S   | FSV3044   | 101320        | 9kHz ~ 44GHz    | Aug. 07, 2025    | Aug. 06, 2026        | Conducted (TH01-CB) |
| RF Cable-high    | Woken | RG402     | High Cable-06 | 1 GHz – 18 GHz  | Sep. 30, 2025    | Sep. 29, 2026        | Conducted (TH01-CB) |
| RF Cable-high    | Woken | RG402     | High Cable-07 | 1 GHz – 18 GHz  | Sep. 30, 2025    | Sep. 29, 2026        | Conducted (TH01-CB) |
| RF Cable-high    | Woken | RG402     | High Cable-08 | 1 GHz – 18 GHz  | Sep. 30, 2025    | Sep. 29, 2026        | Conducted (TH01-CB) |
| RF Cable-high    | Woken | RG402     | High Cable-09 | 1 GHz – 18 GHz  | Sep. 30, 2025    | Sep. 29, 2026        | Conducted (TH01-CB) |
| RF Cable-high    | Woken | RG402     | High Cable-10 | 1 GHz – 18 GHz  | Sep. 30, 2025    | Sep. 29, 2026        | Conducted (TH01-CB) |
| RF Power Divider | STI   | 2 Way     | DV-8G -05     | 1 ~ 8GHz        | Sep. 20, 2025    | Sep. 19, 2026        | Conducted (TH01-CB) |
| RF Power Divider | STI   | 2 Way     | DV-8G -06     | 1 ~ 8GHz        | Sep. 20, 2025    | Sep. 19, 2026        | Conducted (TH01-CB) |
| RF Power Divider | STI   | 2 Way     | DV-8G -07     | 1 ~ 8GHz        | Sep. 20, 2025    | Sep. 19, 2026        | Conducted (TH01-CB) |
| RF Power Divider | STI   | 2 Way     | DV-8G -08     | 1 ~ 8GHz        | Sep. 20, 2025    | Sep. 19, 2026        | Conducted (TH01-CB) |

Note: Calibration Interval of instruments listed above is one year.



## 5 Measurement Uncertainty

**Test Date: Before May 28, 2026**

| Test Items         | Uncertainty | Remark                   |
|--------------------|-------------|--------------------------|
| Conducted Emission | 3.1 dB      | Confidence levels of 95% |

**Test Date: After May 27, 2026**

| Test Items         | Uncertainty | Remark                   |
|--------------------|-------------|--------------------------|
| Conducted Emission | 2.5 dB      | Confidence levels of 95% |

## AFC DUT Compliance Test Report

### DUT Information

|                   |                   |
|-------------------|-------------------|
| AFC DUT System    | Standard Power AP |
| DUT Vendor Name   | Meraki            |
| DUT Product Model | CW9177E           |

### 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</a><br>(Unsuccessful server validation)          | 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), 15.407(k)(8)(iv) | <a href="#">CT_AFC_SP_AP_AFCDRSA31_Frequency_320MHz_10713_1</a> (Successful registration and spectrum access request) | 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_Frequency_10617_1</a> (Unsuccessful spectrum access update)                        | 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_Frequency_10616_1</a> (Successful spectrum access update)                          | 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_Frequency_10615_1</a> (Unsuccessful registration and spectrum access request)      | 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), 15.407(k)(8)(iv) | <a href="#">CT_AFC_SP_AP_AFCDRSA31_Frequency_160MHz_10614_1</a> (Successful registration and spectrum access request) | 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), 15.407(k)(8)(iv) | <a href="#">CT_AFC_SP_AP_AFCDRSA31_Frequency_80MHz_10613_1</a> (Successful registration and spectrum access request)  | 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), 15.407(k)(8)(iv) | <a href="#">CT_AFC_SP_AP_AFCDRSA31_Frequency_40MHz_10612_1</a> (Successful registration and spectrum access request)  | 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), 15.407(k)(8)(iv) | <a href="#">CT_AFC_SP_AP_AFCDRSA31_Frequency_20MHz_10611_1</a> (Successful registration and spectrum access request)  | 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\_Frequency\_320MHz\_10713\_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 (8.8 dBm/MHz PSD) on channel center frequency index 85 bandwidth 320. | true  | PASS              |

|                                                         |                                                                                                                                |      |      |
|---------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|------|------|
| AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_1 | AFC DUT conforms to not exceed emissions limits in adjacent frequencies                                                        | 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 (-0.4 dBm/MHz PSD) on channel center frequency index 31 bandwidth 320. | true | PASS |
| AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_2 | AFC DUT conforms to not exceed emissions limits in adjacent frequencies                                                        | true | PASS |

**TestCaseName:** CT\_AFC\_SP\_AP\_AFCDUAU34\_Frequency\_10617\_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 (23 dBm/MHz PSD) on channel 165 bandwidth 20. | true  | PASS              |
| AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS | AFC DUT conforms to not exceed emissions limits in adjacent frequencies                               | 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 the Spectrum Inquiry Response | true | PASS |

**TestCaseName:** CT\_AFC\_SP\_AP\_AFCDSAU33\_Frequency\_10616\_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 (19.4 dBm/MHz PSD) on channel 85 bandwidth 20. | true  | PASS              |

|                                                         |                                                                                                       |       |      |
|---------------------------------------------------------|-------------------------------------------------------------------------------------------------------|-------|------|
| AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_1 | AFC DUT conforms to not exceed emissions limits in adjacent frequencies                               | true  | PASS |
| AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_2                 | Valid mandatory registration information                                                              | true  | PASS |
| AFC_DUT_SP_OPERATION_2                                  | AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response                 | false | PASS |
| AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_2              | AFC DUT conforms to the conditions in Spectrum Response (14.8 dBm/MHz PSD) on channel 5 bandwidth 20. | true  | PASS |
| AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_2 | AFC DUT conforms to not exceed emissions limits in adjacent frequencies                               | true  | PASS |

TestCaseName: CT\_AFC\_SP\_AP\_AFCDUSA32\_Frequency\_10615\_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 conditons in the Spectrum Inquiry Response                    | true  | PASS              |

TestCaseName: CT\_AFC\_SP\_AP\_AFCDRSA31\_Frequency\_160MHz\_10614\_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 (10.0 dBm/MHz PSD) on channel center frequency index 15 bandwidth 160. | true  | PASS              |

|                                                         |                                                                                                                                 |      |      |
|---------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|------|------|
| AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_1 | AFC DUT conforms to not exceed emissions limits in adjacent frequencies                                                         | 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 (10.1 dBm/MHz PSD) on channel center frequency index 143 bandwidth 160. | true | PASS |
| AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_2 | AFC DUT conforms to not exceed emissions limits in adjacent frequencies                                                         | true | PASS |

TestCaseName: CT\_AFC\_SP\_AP\_AFCRSA31\_Frequency\_80MHz\_10613\_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 (8.5 dBm/MHz PSD) on channel center frequency index 135 bandwidth 80. | true  | PASS              |

|                                                         |                                                                                                                              |      |      |
|---------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|------|------|
| AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_1 | AFC DUT conforms to not exceed emissions limits in adjacent frequencies                                                      | 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 (8.0 dBm/MHz PSD) on channel center frequency index 87 bandwidth 80. | true | PASS |
| AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_2 | AFC DUT conforms to not exceed emissions limits in adjacent frequencies                                                      | true | PASS |

TestCaseName: CT\_AFC\_SP\_AP\_AFCDRSA31\_Frequency\_40MHz\_10612\_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 (16.6 dBm/MHz PSD) on channel center frequency index 131 bandwidth 40. | true  | PASS              |

|                                                         |                                                                                                                              |      |      |
|---------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|------|------|
| AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_1 | AFC DUT conforms to not exceed emissions limits in adjacent frequencies                                                      | 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 (11.5 dBm/MHz PSD) on channel center frequency index 3 bandwidth 40. | true | PASS |
| AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_2 | AFC DUT conforms to not exceed emissions limits in adjacent frequencies                                                      | true | PASS |

**TestCaseName:** CT\_AFC\_SP\_AP\_AFCDRSA31\_Frequency\_20MHz\_10611\_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 (17.0 dBm/MHz PSD) on channel 149 bandwidth 20. | true  | PASS              |
| AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_1 | AFC DUT conforms to not exceed emissions limits in adjacent frequencies                                 | 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 (8.7 dBm/MHz PSD) on channel 53 bandwidth 20. | true | PASS |
| AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_2 | AFC DUT conforms to not exceed emissions limits in adjacent frequencies                               | true | PASS |

**AFC capability - Inquired Frequency****CT\_AFC\_SP\_AP\_AFCRSA31\_Frequency\_20MHz\_10611\_1**

##### 2026-04-27T02:18:47Z #####

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "curl/7.68.0",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.159.133",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "761",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "114665208144416",
        "deviceDescriptor": {
          "serialNumber": "Q5BS-AZJ4-3RUF",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "UDX-CW9177E"
            }
          ]
        },
        "location": {
          "ellipse": {
            "center": {
              "latitude": 38,
              "longitude": -122
            },
            "majorAxis": 20,
            "minorAxis": 20,
```

```
        "orientation": 0
      },
      "elevation": {
        "height": 10.0,
        "heightType": "AGL",
        "verticalUncertainty": 10.0
      },
      "indoorDeployment": 2
    },
    "inquiredFrequencyRange": [
      {
        "lowFrequency": 5945,
        "highFrequency": 6875
      }
    ],
    "inquiredChannels": [
      {
        "globalOperatingClass": 131
      }
    ],
    "vendorExtensions": [
      {
        "extensionId": "CiscoApInfo",
        "parameters": {
          "version": "1.4",
          "PID": "CW9177E"
        }
      }
    ]
  },
],
"vendorExtensions": [
  {
    "extensionId": "CiscoInfo",
    "parameters": {
      "version": "1.4",
      "source": "Cloud",
```

```
        "identity": 1003
      }
    }
  ]
}
}
```

##### 2026-04-27T02:18:47Z #####

```
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 6285,
            "lowFrequency": 6265
          },
          "maxPsd": 14.8
        },
        {
          "frequencyRange": {
            "highFrequency": 6305,
            "lowFrequency": 6285
          },
          "maxPsd": 8.3
        },
        {
          "frequencyRange": {
            "highFrequency": 6325,
            "lowFrequency": 6305
          },
          "maxPsd": 11.2
        }
      ]
    }
  ]
}
```

```
{
  "frequencyRange": {
    "highFrequency": 6345,
    "lowFrequency": 6325
  },
  "maxPsd": 16.1
},
{
  "frequencyRange": {
    "highFrequency": 6365,
    "lowFrequency": 6345
  },
  "maxPsd": 15.2
},
{
  "frequencyRange": {
    "highFrequency": 6385,
    "lowFrequency": 6365
  },
  "maxPsd": 12.8
},
{
  "frequencyRange": {
    "highFrequency": 6405,
    "lowFrequency": 6385
  },
  "maxPsd": 11.0
},
{
  "frequencyRange": {
    "highFrequency": 6425,
    "lowFrequency": 6405
  },
  "maxPsd": 9.4
},
{
  "frequencyRange": {
```

```
        "highFrequency": 6605,
        "lowFrequency": 6585
    },
    "maxPsd": 13.5
},
{
    "frequencyRange": {
        "highFrequency": 6625,
        "lowFrequency": 6605
    },
    "maxPsd": 13.7
},
{
    "frequencyRange": {
        "highFrequency": 6645,
        "lowFrequency": 6625
    },
    "maxPsd": 10.1
},
{
    "frequencyRange": {
        "highFrequency": 6665,
        "lowFrequency": 6645
    },
    "maxPsd": 14.6
},
{
    "frequencyRange": {
        "highFrequency": 6685,
        "lowFrequency": 6665
    },
    "maxPsd": 8.9
},
{
    "frequencyRange": {
        "highFrequency": 6705,
        "lowFrequency": 6685
```

```
    },
    "maxPsd": 17.0
  },
  {
    "frequencyRange": {
      "highFrequency": 6725,
      "lowFrequency": 6705
    },
    "maxPsd": 17.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6745,
      "lowFrequency": 6725
    },
    "maxPsd": 20.9
  }
],
"requestId": "114665208144416",
"availabilityExpireTime": "2026-04-28T02:18:47Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

```
##### 2026-04-27T02:18:48Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "/*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.159.133",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "761",
    "Connection": "Keep-Alive"
  }
}
```

```
{,
"body": {
  "version": "1.4",
  "availableSpectrumInquiryRequests": [
    {
      "requestId": "114665208144416",
      "deviceDescriptor": {
        "serialNumber": "Q5BS-AZJ4-3RUF",
        "certificationId": [
          {
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
            "id": "UDX-CW9177E"
          }
        ]
      }
    }
  ],
  "location": {
    "ellipse": {
      "center": {
        "latitude": 38,
        "longitude": -122
      },
      "majorAxis": 20,
      "minorAxis": 20,
      "orientation": 0
    },
    "elevation": {
      "height": 10.0,
      "heightType": "AGL",
      "verticalUncertainty": 10.0
    },
    "indoorDeployment": 2
  },
  "inquiredFrequencyRange": [
    {
      "lowFrequency": 5945,
      "highFrequency": 6875
    }
  ]
}
```

```
    ],
    "inquiredChannels": [
      {
        "globalOperatingClass": 131
      }
    ],
    "vendorExtensions": [
      {
        "extensionId": "CiscoApInfo",
        "parameters": {
          "version": "1.4",
          "PID": "CW9177E"
        }
      }
    ]
  }
],
"vendorExtensions": [
  {
    "extensionId": "CiscoInfo",
    "parameters": {
      "version": "1.4",
      "source": "Cloud",
      "identity": 1003
    }
  }
]
}
```

##### 2026-04-27T02:18:48Z #####

```
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      }
    }
  ]
}
```

```
},
"availableFrequencyInfo": [
  {
    "frequencyRange": {
      "highFrequency": 6285,
      "lowFrequency": 6265
    },
    "maxPsd": 14.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6305,
      "lowFrequency": 6285
    },
    "maxPsd": 8.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6325,
      "lowFrequency": 6305
    },
    "maxPsd": 11.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6345,
      "lowFrequency": 6325
    },
    "maxPsd": 16.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6365,
      "lowFrequency": 6345
    },
    "maxPsd": 15.2
  },
],
```

```
{
  "frequencyRange": {
    "highFrequency": 6385,
    "lowFrequency": 6365
  },
  "maxPsd": 12.8
},
{
  "frequencyRange": {
    "highFrequency": 6405,
    "lowFrequency": 6385
  },
  "maxPsd": 11.0
},
{
  "frequencyRange": {
    "highFrequency": 6425,
    "lowFrequency": 6405
  },
  "maxPsd": 9.4
},
{
  "frequencyRange": {
    "highFrequency": 6605,
    "lowFrequency": 6585
  },
  "maxPsd": 13.5
},
{
  "frequencyRange": {
    "highFrequency": 6625,
    "lowFrequency": 6605
  },
  "maxPsd": 13.7
},
{
  "frequencyRange": {
```

```
        "highFrequency": 6645,
        "lowFrequency": 6625
    },
    "maxPsd": 10.1
},
{
    "frequencyRange": {
        "highFrequency": 6665,
        "lowFrequency": 6645
    },
    "maxPsd": 14.6
},
{
    "frequencyRange": {
        "highFrequency": 6685,
        "lowFrequency": 6665
    },
    "maxPsd": 8.9
},
{
    "frequencyRange": {
        "highFrequency": 6705,
        "lowFrequency": 6685
    },
    "maxPsd": 17.0
},
{
    "frequencyRange": {
        "highFrequency": 6725,
        "lowFrequency": 6705
    },
    "maxPsd": 17.6
},
{
    "frequencyRange": {
        "highFrequency": 6745,
        "lowFrequency": 6725
```

```
    },
    "maxPsd": 20.9
  }
],
"requestId": "114665208144416",
"availabilityExpireTime": "2026-04-28T02:18:48Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

```
##### 2026-04-27T02:27:11Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "curl/7.68.0",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.159.133",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "761",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "114665208144416",
        "deviceDescriptor": {
          "serialNumber": "Q5BS-AZJ4-3RUF",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "UDX-CW9177E"
            }
          ]
        }
      }
    ]
  }
}
```

```
    ]
  },
  "location": {
    "ellipse": {
      "center": {
        "latitude": 38,
        "longitude": -122
      },
      "majorAxis": 20,
      "minorAxis": 20,
      "orientation": 0
    },
    "elevation": {
      "height": 10.0,
      "heightType": "AGL",
      "verticalUncertainty": 10.0
    },
    "indoorDeployment": 2
  },
  "inquiredFrequencyRange": [
    {
      "lowFrequency": 5945,
      "highFrequency": 6875
    }
  ],
  "inquiredChannels": [
    {
      "globalOperatingClass": 131
    }
  ],
  "vendorExtensions": [
    {
      "extensionId": "CiscoApInfo",
      "parameters": {
        "version": "1.4",
        "PID": "CW9177E"
      }
    }
  ]
}
```

```
    }
  ]
}
],
"vendorExtensions": [
  {
    "extensionId": "CiscoInfo",
    "parameters": {
      "version": "1.4",
      "source": "Cloud",
      "identity": 1003
    }
  }
]
}
}

##### 2026-04-27T02:27:11Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 13.4
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          }
        }
      ]
    }
  ]
}
```

```
    },
    "maxPsd": 8.0
  },
  {
    "frequencyRange": {
      "highFrequency": 6005,
      "lowFrequency": 5985
    },
    "maxPsd": 10.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6025,
      "lowFrequency": 6005
    },
    "maxPsd": 11.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6045,
      "lowFrequency": 6025
    },
    "maxPsd": 13.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6065,
      "lowFrequency": 6045
    },
    "maxPsd": 8.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6085,
      "lowFrequency": 6065
    },
    "maxPsd": 14.4
  }
```

```
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6105,  
        "lowFrequency": 6085  
      },  
      "maxPsd": 12.2  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6125,  
        "lowFrequency": 6105  
      },  
      "maxPsd": 20.7  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6145,  
        "lowFrequency": 6125  
      },  
      "maxPsd": 21.3  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6165,  
        "lowFrequency": 6145  
      },  
      "maxPsd": 17.6  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6185,  
        "lowFrequency": 6165  
      },  
      "maxPsd": 8.1  
    },  
    {
```

```
"frequencyRange": {
  "highFrequency": 6205,
  "lowFrequency": 6185
},
"maxPsd": 11.9
},
{
  "frequencyRange": {
    "highFrequency": 6225,
    "lowFrequency": 6205
  },
  "maxPsd": 8.7
},
{
  "frequencyRange": {
    "highFrequency": 6245,
    "lowFrequency": 6225
  },
  "maxPsd": 19.4
},
{
  "frequencyRange": {
    "highFrequency": 6265,
    "lowFrequency": 6245
  },
  "maxPsd": 9.7
},
{
  "frequencyRange": {
    "highFrequency": 6765,
    "lowFrequency": 6745
  },
  "maxPsd": 9.9
},
{
  "frequencyRange": {
    "highFrequency": 6785,
```

```
        "lowFrequency": 6765
      },
      "maxPsd": 19.0
    },
    {
      "frequencyRange": {
        "highFrequency": 6805,
        "lowFrequency": 6785
      },
      "maxPsd": 21.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6825,
        "lowFrequency": 6805
      },
      "maxPsd": 14.8
    }
  ],
  "requestId": "114665208144416",
  "availabilityExpireTime": "2026-04-28T02:27:11Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}

],
"version": "1.4"
}
```

##### 2026-04-27T02:27:12Z #####

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.159.133",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "761",
```

```
"Connection": "Keep-Alive"
},
"body": {
  "version": "1.4",
  "availableSpectrumInquiryRequests": [
    {
      "requestId": "114665208144416",
      "deviceDescriptor": {
        "serialNumber": "Q5BS-AZJ4-3RUF",
        "certificationId": [
          {
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
            "id": "UDX-CW9177E"
          }
        ]
      }
    }
  ],
  "location": {
    "ellipse": {
      "center": {
        "latitude": 38,
        "longitude": -122
      },
      "majorAxis": 20,
      "minorAxis": 20,
      "orientation": 0
    },
    "elevation": {
      "height": 10.0,
      "heightType": "AGL",
      "verticalUncertainty": 10.0
    },
    "indoorDeployment": 2
  },
  "inquiredFrequencyRange": [
    {
      "lowFrequency": 5945,
      "highFrequency": 6875
    }
  ]
}
```

```
    }
  ],
  "inquiredChannels": [
    {
      "globalOperatingClass": 131
    }
  ],
  "vendorExtensions": [
    {
      "extensionId": "CiscoApInfo",
      "parameters": {
        "version": "1.4",
        "PID": "CW9177E"
      }
    }
  ]
}
],
"vendorExtensions": [
  {
    "extensionId": "CiscoInfo",
    "parameters": {
      "version": "1.4",
      "source": "Cloud",
      "identity": 1003
    }
  }
]
}
}
```

```
##### 2026-04-27T02:27:12Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
```

```
"shortDescription": "SUCCESS"
},
"availableFrequencyInfo": [
  {
    "frequencyRange": {
      "highFrequency": 5965,
      "lowFrequency": 5945
    },
    "maxPsd": 13.4
  },
  {
    "frequencyRange": {
      "highFrequency": 5985,
      "lowFrequency": 5965
    },
    "maxPsd": 8.0
  },
  {
    "frequencyRange": {
      "highFrequency": 6005,
      "lowFrequency": 5985
    },
    "maxPsd": 10.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6025,
      "lowFrequency": 6005
    },
    "maxPsd": 11.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6045,
      "lowFrequency": 6025
    },
    "maxPsd": 13.6
  }
]
```

```
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6065,  
        "lowFrequency": 6045  
      },  
      "maxPsd": 8.9  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6085,  
        "lowFrequency": 6065  
      },  
      "maxPsd": 14.4  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6105,  
        "lowFrequency": 6085  
      },  
      "maxPsd": 12.2  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6125,  
        "lowFrequency": 6105  
      },  
      "maxPsd": 20.7  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6145,  
        "lowFrequency": 6125  
      },  
      "maxPsd": 21.3  
    },  
    {
```

```
"frequencyRange": {
  "highFrequency": 6165,
  "lowFrequency": 6145
},
"maxPsd": 17.6
},
{
  "frequencyRange": {
    "highFrequency": 6185,
    "lowFrequency": 6165
  },
  "maxPsd": 8.1
},
{
  "frequencyRange": {
    "highFrequency": 6205,
    "lowFrequency": 6185
  },
  "maxPsd": 11.9
},
{
  "frequencyRange": {
    "highFrequency": 6225,
    "lowFrequency": 6205
  },
  "maxPsd": 8.7
},
{
  "frequencyRange": {
    "highFrequency": 6245,
    "lowFrequency": 6225
  },
  "maxPsd": 19.4
},
{
  "frequencyRange": {
    "highFrequency": 6265,
```

```
        "lowFrequency": 6245
      },
      "maxPsd": 9.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6765,
        "lowFrequency": 6745
      },
      "maxPsd": 9.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6785,
        "lowFrequency": 6765
      },
      "maxPsd": 19.0
    },
    {
      "frequencyRange": {
        "highFrequency": 6805,
        "lowFrequency": 6785
      },
      "maxPsd": 21.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6825,
        "lowFrequency": 6805
      },
      "maxPsd": 14.8
    }
  ],
  "requestId": "114665208144416",
  "availabilityExpireTime": "2026-04-28T02:27:12Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
```



```
[,  
  "version": "1.4"  
}
```

**CT\_AFC\_SP\_AP\_AFCDSA31\_Frequency\_40MHz\_10612\_1**

##### 2026-04-27T02:56:56Z #####

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "curl/7.68.0",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.159.133",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "761",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "114665208144416",
        "deviceDescriptor": {
          "serialNumber": "Q5BS-AZJ4-3RUF",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "UDX-CW9177E"
            }
          ]
        }
      },
      {
        "location": {
          "ellipse": {
            "center": {
              "latitude": 38,
              "longitude": -122
            },
            "majorAxis": 20,
            "minorAxis": 20,
            "orientation": 0
          }
        }
      }
    ]
  }
}
```

```
    },
    "elevation": {
      "height": 10.0,
      "heightType": "AGL",
      "verticalUncertainty": 10.0
    },
    "indoorDeployment": 2
  },
  "inquiredFrequencyRange": [
    {
      "lowFrequency": 5945,
      "highFrequency": 6875
    }
  ],
  "inquiredChannels": [
    {
      "globalOperatingClass": 131
    }
  ],
  "vendorExtensions": [
    {
      "extensionId": "CiscoApInfo",
      "parameters": {
        "version": "1.4",
        "PID": "CW9177E"
      }
    }
  ]
},
"vendorExtensions": [
  {
    "extensionId": "CiscoInfo",
    "parameters": {
      "version": "1.4",
      "source": "Cloud",
      "identity": 1003
    }
  }
]
```

```
    }
  }
]
}
}

##### 2026-04-27T02:56:56Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 6045,
            "lowFrequency": 6025
          },
          "maxPsd": 9.5
        },
        {
          "frequencyRange": {
            "highFrequency": 6065,
            "lowFrequency": 6045
          },
          "maxPsd": 21.0
        },
        {
          "frequencyRange": {
            "highFrequency": 6085,
            "lowFrequency": 6065
          },
          "maxPsd": 15.4
        }
      ]
    }
  ]
}
```

```
"frequencyRange": {
  "highFrequency": 6105,
  "lowFrequency": 6085
},
"maxPsd": 15.9
},
{
  "frequencyRange": {
    "highFrequency": 6125,
    "lowFrequency": 6105
  },
  "maxPsd": 12.8
},
{
  "frequencyRange": {
    "highFrequency": 6145,
    "lowFrequency": 6125
  },
  "maxPsd": 8.7
},
{
  "frequencyRange": {
    "highFrequency": 6165,
    "lowFrequency": 6145
  },
  "maxPsd": 20.4
},
{
  "frequencyRange": {
    "highFrequency": 6185,
    "lowFrequency": 6165
  },
  "maxPsd": 19.2
},
{
  "frequencyRange": {
    "highFrequency": 6365,
```

```
        "lowFrequency": 6345
      },
      "maxPsd": 11.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6385,
        "lowFrequency": 6365
      },
      "maxPsd": 15.2
    },
    {
      "frequencyRange": {
        "highFrequency": 6405,
        "lowFrequency": 6385
      },
      "maxPsd": 11.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6425,
        "lowFrequency": 6405
      },
      "maxPsd": 11.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6605,
        "lowFrequency": 6585
      },
      "maxPsd": 20.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6625,
        "lowFrequency": 6605
      },
    },
```

```
"maxPsd": 16.6
},
{
  "frequencyRange": {
    "highFrequency": 6645,
    "lowFrequency": 6625
  },
  "maxPsd": 10.3
},
{
  "frequencyRange": {
    "highFrequency": 6665,
    "lowFrequency": 6645
  },
  "maxPsd": 13.2
}
],
"requestId": "114665208144416",
"availabilityExpireTime": "2026-04-28T02:56:56Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}

##### 2026-04-27T02:56:57Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.159.133",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "761",
    "Connection": "Keep-Alive"
  },

```

```
"body": {
  "version": "1.4",
  "availableSpectrumInquiryRequests": [
    {
      "requestId": "114665208144416",
      "deviceDescriptor": {
        "serialNumber": "Q5BS-AZJ4-3RUF",
        "certificationId": [
          {
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
            "id": "UDX-CW9177E"
          }
        ]
      },
      "location": {
        "ellipse": {
          "center": {
            "latitude": 38,
            "longitude": -122
          },
          "majorAxis": 20,
          "minorAxis": 20,
          "orientation": 0
        },
        "elevation": {
          "height": 10.0,
          "heightType": "AGL",
          "verticalUncertainty": 10.0
        },
        "indoorDeployment": 2
      },
      "inquiredFrequencyRange": [
        {
          "lowFrequency": 5945,
          "highFrequency": 6875
        }
      ]
    }
  ]
}
```

```
"inquiredChannels": [
  {
    "globalOperatingClass": 131
  }
],
"vendorExtensions": [
  {
    "extensionId": "CiscoApInfo",
    "parameters": {
      "version": "1.4",
      "PID": "CW9177E"
    }
  }
]
}
],
"vendorExtensions": [
  {
    "extensionId": "CiscoInfo",
    "parameters": {
      "version": "1.4",
      "source": "Cloud",
      "identity": 1003
    }
  }
]
}
}
```

##### 2026-04-27T02:56:57Z #####

```
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
    },
  ],
}
```

```
"availableFrequencyInfo": [  
  {  
    "frequencyRange": {  
      "highFrequency": 6045,  
      "lowFrequency": 6025  
    },  
    "maxPsd": 9.5  
  },  
  {  
    "frequencyRange": {  
      "highFrequency": 6065,  
      "lowFrequency": 6045  
    },  
    "maxPsd": 21.0  
  },  
  {  
    "frequencyRange": {  
      "highFrequency": 6085,  
      "lowFrequency": 6065  
    },  
    "maxPsd": 15.4  
  },  
  {  
    "frequencyRange": {  
      "highFrequency": 6105,  
      "lowFrequency": 6085  
    },  
    "maxPsd": 15.9  
  },  
  {  
    "frequencyRange": {  
      "highFrequency": 6125,  
      "lowFrequency": 6105  
    },  
    "maxPsd": 12.8  
  },  
  {  

```

```
"frequencyRange": {
  "highFrequency": 6145,
  "lowFrequency": 6125
},
"maxPsd": 8.7
},
{
  "frequencyRange": {
    "highFrequency": 6165,
    "lowFrequency": 6145
  },
  "maxPsd": 20.4
},
{
  "frequencyRange": {
    "highFrequency": 6185,
    "lowFrequency": 6165
  },
  "maxPsd": 19.2
},
{
  "frequencyRange": {
    "highFrequency": 6365,
    "lowFrequency": 6345
  },
  "maxPsd": 11.5
},
{
  "frequencyRange": {
    "highFrequency": 6385,
    "lowFrequency": 6365
  },
  "maxPsd": 15.2
},
{
  "frequencyRange": {
    "highFrequency": 6405,
```

```
        "lowFrequency": 6385
      },
      "maxPsd": 11.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6425,
        "lowFrequency": 6405
      },
      "maxPsd": 11.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6605,
        "lowFrequency": 6585
      },
      "maxPsd": 20.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6625,
        "lowFrequency": 6605
      },
      "maxPsd": 16.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6645,
        "lowFrequency": 6625
      },
      "maxPsd": 10.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6665,
        "lowFrequency": 6645
      },
    },
```

```
        "maxPsd": 13.2
      }
    ],
    "requestId": "114665208144416",
    "availabilityExpireTime": "2026-04-28T02:56:57Z",
    "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
  }
],
"version": "1.4"
}

##### 2026-04-27T03:06:20Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "curl/7.68.0",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.159.133",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "761",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "114665208144416",
        "deviceDescriptor": {
          "serialNumber": "Q5BS-AZJ4-3RUF",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "UDX-CW9177E"
            }
          ]
        }
      }
    ]
  }
}
```

```
    },
    "location": {
      "ellipse": {
        "center": {
          "latitude": 38,
          "longitude": -122
        },
        "majorAxis": 20,
        "minorAxis": 20,
        "orientation": 0
      },
      "elevation": {
        "height": 10.0,
        "heightType": "AGL",
        "verticalUncertainty": 10.0
      },
      "indoorDeployment": 2
    },
    "inquiredFrequencyRange": [
      {
        "lowFrequency": 5945,
        "highFrequency": 6875
      }
    ],
    "inquiredChannels": [
      {
        "globalOperatingClass": 131
      }
    ],
    "vendorExtensions": [
      {
        "extensionId": "CiscoApInfo",
        "parameters": {
          "version": "1.4",
          "PID": "CW9177E"
        }
      }
    ]
  }
```

```
    ]
  }
],
"vendorExtensions": [
  {
    "extensionId": "CiscoInfo",
    "parameters": {
      "version": "1.4",
      "source": "Cloud",
      "identity": 1003
    }
  }
]
}
}

##### 2026-04-27T03:06:21Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 19.7
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          }
        }
      ]
    }
  ]
}
```

```
"maxPsd": 11.5
},
{
  "frequencyRange": {
    "highFrequency": 6005,
    "lowFrequency": 5985
  },
  "maxPsd": 13.5
},
{
  "frequencyRange": {
    "highFrequency": 6025,
    "lowFrequency": 6005
  },
  "maxPsd": 18.7
},
{
  "frequencyRange": {
    "highFrequency": 6205,
    "lowFrequency": 6185
  },
  "maxPsd": 8.9
},
{
  "frequencyRange": {
    "highFrequency": 6225,
    "lowFrequency": 6205
  },
  "maxPsd": 18.0
},
{
  "frequencyRange": {
    "highFrequency": 6245,
    "lowFrequency": 6225
  },
  "maxPsd": 19.6
},
},
```

```
{
  "frequencyRange": {
    "highFrequency": 6265,
    "lowFrequency": 6245
  },
  "maxPsd": 18.9
},
{
  "frequencyRange": {
    "highFrequency": 6285,
    "lowFrequency": 6265
  },
  "maxPsd": 20.7
},
{
  "frequencyRange": {
    "highFrequency": 6305,
    "lowFrequency": 6285
  },
  "maxPsd": 13.6
},
{
  "frequencyRange": {
    "highFrequency": 6325,
    "lowFrequency": 6305
  },
  "maxPsd": 10.1
},
{
  "frequencyRange": {
    "highFrequency": 6345,
    "lowFrequency": 6325
  },
  "maxPsd": 9.3
},
{
  "frequencyRange": {
```

```
        "highFrequency": 6685,
        "lowFrequency": 6665
    },
    "maxPsd": 17.9
},
{
    "frequencyRange": {
        "highFrequency": 6705,
        "lowFrequency": 6685
    },
    "maxPsd": 8.4
},
{
    "frequencyRange": {
        "highFrequency": 6725,
        "lowFrequency": 6705
    },
    "maxPsd": 15.0
},
{
    "frequencyRange": {
        "highFrequency": 6745,
        "lowFrequency": 6725
    },
    "maxPsd": 11.6
},
{
    "frequencyRange": {
        "highFrequency": 6765,
        "lowFrequency": 6745
    },
    "maxPsd": 8.1
},
{
    "frequencyRange": {
        "highFrequency": 6785,
        "lowFrequency": 6765
```

```
    },
    "maxPsd": 18.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6805,
      "lowFrequency": 6785
    },
    "maxPsd": 8.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6825,
      "lowFrequency": 6805
    },
    "maxPsd": 9.6
  }
],
"requestId": "114665208144416",
"availabilityExpireTime": "2026-04-28T03:06:21Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

```
##### 2026-04-27T03:06:22Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.159.133",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "761",
    "Connection": "Keep-Alive"
  }
}
```

```
{,
"body": {
  "version": "1.4",
  "availableSpectrumInquiryRequests": [
    {
      "requestId": "114665208144416",
      "deviceDescriptor": {
        "serialNumber": "Q5BS-AZJ4-3RUF",
        "certificationId": [
          {
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
            "id": "UDX-CW9177E"
          }
        ]
      }
    }
  ],
  "location": {
    "ellipse": {
      "center": {
        "latitude": 38,
        "longitude": -122
      },
      "majorAxis": 20,
      "minorAxis": 20,
      "orientation": 0
    },
    "elevation": {
      "height": 10.0,
      "heightType": "AGL",
      "verticalUncertainty": 10.0
    },
    "indoorDeployment": 2
  },
  "inquiredFrequencyRange": [
    {
      "lowFrequency": 5945,
      "highFrequency": 6875
    }
  ]
}
```

```
    ],
    "inquiredChannels": [
      {
        "globalOperatingClass": 131
      }
    ],
    "vendorExtensions": [
      {
        "extensionId": "CiscoApInfo",
        "parameters": {
          "version": "1.4",
          "PID": "CW9177E"
        }
      }
    ]
  }
],
"vendorExtensions": [
  {
    "extensionId": "CiscoInfo",
    "parameters": {
      "version": "1.4",
      "source": "Cloud",
      "identity": 1003
    }
  }
]
}
```

##### 2026-04-27T03:06:22Z #####

```
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      }
    }
  ]
}
```

```
},
"availableFrequencyInfo": [
  {
    "frequencyRange": {
      "highFrequency": 5965,
      "lowFrequency": 5945
    },
    "maxPsd": 19.7
  },
  {
    "frequencyRange": {
      "highFrequency": 5985,
      "lowFrequency": 5965
    },
    "maxPsd": 11.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6005,
      "lowFrequency": 5985
    },
    "maxPsd": 13.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6025,
      "lowFrequency": 6005
    },
    "maxPsd": 18.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6205,
      "lowFrequency": 6185
    },
    "maxPsd": 8.9
  },
}
```

```
{
  "frequencyRange": {
    "highFrequency": 6225,
    "lowFrequency": 6205
  },
  "maxPsd": 18.0
},
{
  "frequencyRange": {
    "highFrequency": 6245,
    "lowFrequency": 6225
  },
  "maxPsd": 19.6
},
{
  "frequencyRange": {
    "highFrequency": 6265,
    "lowFrequency": 6245
  },
  "maxPsd": 18.9
},
{
  "frequencyRange": {
    "highFrequency": 6285,
    "lowFrequency": 6265
  },
  "maxPsd": 20.7
},
{
  "frequencyRange": {
    "highFrequency": 6305,
    "lowFrequency": 6285
  },
  "maxPsd": 13.6
},
{
  "frequencyRange": {
```

```
        "highFrequency": 6325,
        "lowFrequency": 6305
    },
    "maxPsd": 10.1
},
{
    "frequencyRange": {
        "highFrequency": 6345,
        "lowFrequency": 6325
    },
    "maxPsd": 9.3
},
{
    "frequencyRange": {
        "highFrequency": 6685,
        "lowFrequency": 6665
    },
    "maxPsd": 17.9
},
{
    "frequencyRange": {
        "highFrequency": 6705,
        "lowFrequency": 6685
    },
    "maxPsd": 8.4
},
{
    "frequencyRange": {
        "highFrequency": 6725,
        "lowFrequency": 6705
    },
    "maxPsd": 15.0
},
{
    "frequencyRange": {
        "highFrequency": 6745,
        "lowFrequency": 6725
```

```
    },
    "maxPsd": 11.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6765,
      "lowFrequency": 6745
    },
    "maxPsd": 8.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6785,
      "lowFrequency": 6765
    },
    "maxPsd": 18.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6805,
      "lowFrequency": 6785
    },
    "maxPsd": 8.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6825,
      "lowFrequency": 6805
    },
    "maxPsd": 9.6
  }
],
"requestId": "114665208144416",
"availabilityExpireTime": "2026-04-28T03:06:22Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
```

```
],
```



```
"version": "1.4"  
}
```

**CT\_AFC\_SP\_AP\_AFCDRSA31\_Frequency\_80MHz\_10613\_1**

##### 2026-04-27T03:30:06Z #####

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "curl/7.68.0",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.159.133",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "761",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "114665208144416",
        "deviceDescriptor": {
          "serialNumber": "Q5BS-AZJ4-3RUF",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "UDX-CW9177E"
            }
          ]
        }
      },
      {
        "location": {
          "ellipse": {
            "center": {
              "latitude": 38,
              "longitude": -122
            },
            "majorAxis": 20,
            "minorAxis": 20,
            "orientation": 0
          }
        }
      }
    ]
  }
}
```

```
    },
    "elevation": {
      "height": 10.0,
      "heightType": "AGL",
      "verticalUncertainty": 10.0
    },
    "indoorDeployment": 2
  },
  "inquiredFrequencyRange": [
    {
      "lowFrequency": 5945,
      "highFrequency": 6875
    }
  ],
  "inquiredChannels": [
    {
      "globalOperatingClass": 131
    }
  ],
  "vendorExtensions": [
    {
      "extensionId": "CiscoApInfo",
      "parameters": {
        "version": "1.4",
        "PID": "CW9177E"
      }
    }
  ]
},
"vendorExtensions": [
  {
    "extensionId": "CiscoInfo",
    "parameters": {
      "version": "1.4",
      "source": "Cloud",
      "identity": 1003
    }
  }
]
```

```
    }
  }
]
}
}

##### 2026-04-27T03:30:06Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 15.6
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 12.7
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
            "lowFrequency": 5985
          },
          "maxPsd": 11.3
        }
      ]
    }
  ]
}
```

```
"frequencyRange": {
  "highFrequency": 6025,
  "lowFrequency": 6005
},
"maxPsd": 11.2
},
{
  "frequencyRange": {
    "highFrequency": 6205,
    "lowFrequency": 6185
  },
  "maxPsd": 18.6
},
{
  "frequencyRange": {
    "highFrequency": 6225,
    "lowFrequency": 6205
  },
  "maxPsd": 14.8
},
{
  "frequencyRange": {
    "highFrequency": 6245,
    "lowFrequency": 6225
  },
  "maxPsd": 14.7
},
{
  "frequencyRange": {
    "highFrequency": 6265,
    "lowFrequency": 6245
  },
  "maxPsd": 10.5
},
{
  "frequencyRange": {
    "highFrequency": 6285,
```

```
        "lowFrequency": 6265
      },
      "maxPsd": 18.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6305,
        "lowFrequency": 6285
      },
      "maxPsd": 20.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6325,
        "lowFrequency": 6305
      },
      "maxPsd": 20.4
    },
    {
      "frequencyRange": {
        "highFrequency": 6345,
        "lowFrequency": 6325
      },
      "maxPsd": 18.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6605,
        "lowFrequency": 6585
      },
      "maxPsd": 19.4
    },
    {
      "frequencyRange": {
        "highFrequency": 6625,
        "lowFrequency": 6605
      },
    },
```

```
"maxPsd": 8.5
},
{
  "frequencyRange": {
    "highFrequency": 6645,
    "lowFrequency": 6625
  },
  "maxPsd": 10.1
},
{
  "frequencyRange": {
    "highFrequency": 6665,
    "lowFrequency": 6645
  },
  "maxPsd": 15.8
}
],
"requestId": "114665208144416",
"availabilityExpireTime": "2026-04-28T03:30:06Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}

##### 2026-04-27T03:30:07Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.159.133",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "761",
    "Connection": "Keep-Alive"
  },

```

```
"body": {
  "version": "1.4",
  "availableSpectrumInquiryRequests": [
    {
      "requestId": "114665208144416",
      "deviceDescriptor": {
        "serialNumber": "Q5BS-AZJ4-3RUF",
        "certificationId": [
          {
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
            "id": "UDX-CW9177E"
          }
        ]
      },
      "location": {
        "ellipse": {
          "center": {
            "latitude": 38,
            "longitude": -122
          },
          "majorAxis": 20,
          "minorAxis": 20,
          "orientation": 0
        },
        "elevation": {
          "height": 10.0,
          "heightType": "AGL",
          "verticalUncertainty": 10.0
        },
        "indoorDeployment": 2
      },
      "inquiredFrequencyRange": [
        {
          "lowFrequency": 5945,
          "highFrequency": 6875
        }
      ]
    }
  ],
}
```

```
"inquiredChannels": [
  {
    "globalOperatingClass": 131
  }
],
"vendorExtensions": [
  {
    "extensionId": "CiscoApInfo",
    "parameters": {
      "version": "1.4",
      "PID": "CW9177E"
    }
  }
]
}
],
"vendorExtensions": [
  {
    "extensionId": "CiscoInfo",
    "parameters": {
      "version": "1.4",
      "source": "Cloud",
      "identity": 1003
    }
  }
]
}
}
```

##### 2026-04-27T03:30:07Z #####

```
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
    },
  ],
}
```

```
"availableFrequencyInfo": [  
  {  
    "frequencyRange": {  
      "highFrequency": 5965,  
      "lowFrequency": 5945  
    },  
    "maxPsd": 15.6  
  },  
  {  
    "frequencyRange": {  
      "highFrequency": 5985,  
      "lowFrequency": 5965  
    },  
    "maxPsd": 12.7  
  },  
  {  
    "frequencyRange": {  
      "highFrequency": 6005,  
      "lowFrequency": 5985  
    },  
    "maxPsd": 11.3  
  },  
  {  
    "frequencyRange": {  
      "highFrequency": 6025,  
      "lowFrequency": 6005  
    },  
    "maxPsd": 11.2  
  },  
  {  
    "frequencyRange": {  
      "highFrequency": 6205,  
      "lowFrequency": 6185  
    },  
    "maxPsd": 18.6  
  },  
  {  

```

```
"frequencyRange": {
  "highFrequency": 6225,
  "lowFrequency": 6205
},
"maxPsd": 14.8
},
{
  "frequencyRange": {
    "highFrequency": 6245,
    "lowFrequency": 6225
  },
  "maxPsd": 14.7
},
{
  "frequencyRange": {
    "highFrequency": 6265,
    "lowFrequency": 6245
  },
  "maxPsd": 10.5
},
{
  "frequencyRange": {
    "highFrequency": 6285,
    "lowFrequency": 6265
  },
  "maxPsd": 18.3
},
{
  "frequencyRange": {
    "highFrequency": 6305,
    "lowFrequency": 6285
  },
  "maxPsd": 20.6
},
{
  "frequencyRange": {
    "highFrequency": 6325,
```

```
        "lowFrequency": 6305
      },
      "maxPsd": 20.4
    },
    {
      "frequencyRange": {
        "highFrequency": 6345,
        "lowFrequency": 6325
      },
      "maxPsd": 18.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6605,
        "lowFrequency": 6585
      },
      "maxPsd": 19.4
    },
    {
      "frequencyRange": {
        "highFrequency": 6625,
        "lowFrequency": 6605
      },
      "maxPsd": 8.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6645,
        "lowFrequency": 6625
      },
      "maxPsd": 10.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6665,
        "lowFrequency": 6645
      },
    },
```

```
        "maxPsd": 15.8
      }
    ],
    "requestId": "114665208144416",
    "availabilityExpireTime": "2026-04-28T03:30:07Z",
    "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
  }
],
"version": "1.4"
}

##### 2026-04-27T03:38:06Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "curl/7.68.0",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.159.133",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "761",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "114665208144416",
        "deviceDescriptor": {
          "serialNumber": "Q5BS-AZJ4-3RUF",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "UDX-CW9177E"
            }
          ]
        }
      }
    ]
  }
}
```

```
    },
    "location": {
      "ellipse": {
        "center": {
          "latitude": 38,
          "longitude": -122
        },
        "majorAxis": 20,
        "minorAxis": 20,
        "orientation": 0
      },
      "elevation": {
        "height": 10.0,
        "heightType": "AGL",
        "verticalUncertainty": 10.0
      },
      "indoorDeployment": 2
    },
    "inquiredFrequencyRange": [
      {
        "lowFrequency": 5945,
        "highFrequency": 6875
      }
    ],
    "inquiredChannels": [
      {
        "globalOperatingClass": 131
      }
    ],
    "vendorExtensions": [
      {
        "extensionId": "CiscoApInfo",
        "parameters": {
          "version": "1.4",
          "PID": "CW9177E"
        }
      }
    ]
  }
```

```
    ]
  }
],
"vendorExtensions": [
  {
    "extensionId": "CiscoInfo",
    "parameters": {
      "version": "1.4",
      "source": "Cloud",
      "identity": 1003
    }
  }
]
}
}

##### 2026-04-27T03:38:06Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 6045,
            "lowFrequency": 6025
          },
          "maxPsd": 11.2
        },
        {
          "frequencyRange": {
            "highFrequency": 6065,
            "lowFrequency": 6045
          },
        }
      ]
    }
  ]
}
```

```
"maxPsd": 10.0
},
{
  "frequencyRange": {
    "highFrequency": 6085,
    "lowFrequency": 6065
  },
  "maxPsd": 20.5
},
{
  "frequencyRange": {
    "highFrequency": 6105,
    "lowFrequency": 6085
  },
  "maxPsd": 17.3
},
{
  "frequencyRange": {
    "highFrequency": 6125,
    "lowFrequency": 6105
  },
  "maxPsd": 14.3
},
{
  "frequencyRange": {
    "highFrequency": 6145,
    "lowFrequency": 6125
  },
  "maxPsd": 10.3
},
{
  "frequencyRange": {
    "highFrequency": 6165,
    "lowFrequency": 6145
  },
  "maxPsd": 14.0
},
```

```
{
  "frequencyRange": {
    "highFrequency": 6185,
    "lowFrequency": 6165
  },
  "maxPsd": 9.7
},
{
  "frequencyRange": {
    "highFrequency": 6365,
    "lowFrequency": 6345
  },
  "maxPsd": 8.0
},
{
  "frequencyRange": {
    "highFrequency": 6385,
    "lowFrequency": 6365
  },
  "maxPsd": 10.3
},
{
  "frequencyRange": {
    "highFrequency": 6405,
    "lowFrequency": 6385
  },
  "maxPsd": 21.5
},
{
  "frequencyRange": {
    "highFrequency": 6425,
    "lowFrequency": 6405
  },
  "maxPsd": 16.7
},
{
  "frequencyRange": {
```

```
        "highFrequency": 6685,
        "lowFrequency": 6665
    },
    "maxPsd": 10.5
},
{
    "frequencyRange": {
        "highFrequency": 6705,
        "lowFrequency": 6685
    },
    "maxPsd": 8.3
},
{
    "frequencyRange": {
        "highFrequency": 6725,
        "lowFrequency": 6705
    },
    "maxPsd": 12.4
},
{
    "frequencyRange": {
        "highFrequency": 6745,
        "lowFrequency": 6725
    },
    "maxPsd": 11.9
},
{
    "frequencyRange": {
        "highFrequency": 6765,
        "lowFrequency": 6745
    },
    "maxPsd": 9.6
},
{
    "frequencyRange": {
        "highFrequency": 6785,
        "lowFrequency": 6765
```

```
    },
    "maxPsd": 21.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6805,
      "lowFrequency": 6785
    },
    "maxPsd": 20.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6825,
      "lowFrequency": 6805
    },
    "maxPsd": 16.0
  }
],
"requestId": "114665208144416",
"availabilityExpireTime": "2026-04-28T03:38:06Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

```
##### 2026-04-27T03:38:07Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.159.133",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "761",
    "Connection": "Keep-Alive"
  }
}
```

```
},
"body": {
  "version": "1.4",
  "availableSpectrumInquiryRequests": [
    {
      "requestId": "114665208144416",
      "deviceDescriptor": {
        "serialNumber": "Q5BS-AZJ4-3RUF",
        "certificationId": [
          {
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
            "id": "UDX-CW9177E"
          }
        ]
      }
    }
  ],
  "location": {
    "ellipse": {
      "center": {
        "latitude": 38,
        "longitude": -122
      },
      "majorAxis": 20,
      "minorAxis": 20,
      "orientation": 0
    },
    "elevation": {
      "height": 10.0,
      "heightType": "AGL",
      "verticalUncertainty": 10.0
    },
    "indoorDeployment": 2
  },
  "inquiredFrequencyRange": [
    {
      "lowFrequency": 5945,
      "highFrequency": 6875
    }
  ]
}
```

```
    ],
    "inquiredChannels": [
      {
        "globalOperatingClass": 131
      }
    ],
    "vendorExtensions": [
      {
        "extensionId": "CiscoApInfo",
        "parameters": {
          "version": "1.4",
          "PID": "CW9177E"
        }
      }
    ]
  }
],
"vendorExtensions": [
  {
    "extensionId": "CiscoInfo",
    "parameters": {
      "version": "1.4",
      "source": "Cloud",
      "identity": 1003
    }
  }
]
}
```

##### 2026-04-27T03:38:07Z #####

```
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      }
    }
  ]
}
```

```
},
"availableFrequencyInfo": [
  {
    "frequencyRange": {
      "highFrequency": 6045,
      "lowFrequency": 6025
    },
    "maxPsd": 11.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6065,
      "lowFrequency": 6045
    },
    "maxPsd": 10.0
  },
  {
    "frequencyRange": {
      "highFrequency": 6085,
      "lowFrequency": 6065
    },
    "maxPsd": 20.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6105,
      "lowFrequency": 6085
    },
    "maxPsd": 17.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6125,
      "lowFrequency": 6105
    },
    "maxPsd": 14.3
  },
}
```

```
{
  "frequencyRange": {
    "highFrequency": 6145,
    "lowFrequency": 6125
  },
  "maxPsd": 10.3
},
{
  "frequencyRange": {
    "highFrequency": 6165,
    "lowFrequency": 6145
  },
  "maxPsd": 14.0
},
{
  "frequencyRange": {
    "highFrequency": 6185,
    "lowFrequency": 6165
  },
  "maxPsd": 9.7
},
{
  "frequencyRange": {
    "highFrequency": 6365,
    "lowFrequency": 6345
  },
  "maxPsd": 8.0
},
{
  "frequencyRange": {
    "highFrequency": 6385,
    "lowFrequency": 6365
  },
  "maxPsd": 10.3
},
{
  "frequencyRange": {
```

```
        "highFrequency": 6405,
        "lowFrequency": 6385
    },
    "maxPsd": 21.5
},
{
    "frequencyRange": {
        "highFrequency": 6425,
        "lowFrequency": 6405
    },
    "maxPsd": 16.7
},
{
    "frequencyRange": {
        "highFrequency": 6685,
        "lowFrequency": 6665
    },
    "maxPsd": 10.5
},
{
    "frequencyRange": {
        "highFrequency": 6705,
        "lowFrequency": 6685
    },
    "maxPsd": 8.3
},
{
    "frequencyRange": {
        "highFrequency": 6725,
        "lowFrequency": 6705
    },
    "maxPsd": 12.4
},
{
    "frequencyRange": {
        "highFrequency": 6745,
        "lowFrequency": 6725
```

```
    },
    "maxPsd": 11.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6765,
      "lowFrequency": 6745
    },
    "maxPsd": 9.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6785,
      "lowFrequency": 6765
    },
    "maxPsd": 21.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6805,
      "lowFrequency": 6785
    },
    "maxPsd": 20.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6825,
      "lowFrequency": 6805
    },
    "maxPsd": 16.0
  }
],
"requestId": "114665208144416",
"availabilityExpireTime": "2026-04-28T03:38:07Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
```

```
],
```



```
"version": "1.4"  
}
```

**CT\_AFC\_SP\_AP\_AFCDSA31\_Frequency\_160MHz\_10614\_1**

##### 2026-04-27T05:50:25Z #####

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "curl/7.68.0",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.159.133",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "761",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "114665208144416",
        "deviceDescriptor": {
          "serialNumber": "Q5BS-AZJ4-3RUF",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "UDX-CW9177E"
            }
          ]
        }
      },
      {
        "location": {
          "ellipse": {
            "center": {
              "latitude": 38,
              "longitude": -122
            },
            "majorAxis": 20,
            "minorAxis": 20,
            "orientation": 0
          }
        }
      }
    ]
  }
}
```

```
    },
    "elevation": {
      "height": 10.0,
      "heightType": "AGL",
      "verticalUncertainty": 10.0
    },
    "indoorDeployment": 2
  },
  "inquiredFrequencyRange": [
    {
      "lowFrequency": 5945,
      "highFrequency": 6875
    }
  ],
  "inquiredChannels": [
    {
      "globalOperatingClass": 131
    }
  ],
  "vendorExtensions": [
    {
      "extensionId": "CiscoApInfo",
      "parameters": {
        "version": "1.4",
        "PID": "CW9177E"
      }
    }
  ]
},
"vendorExtensions": [
  {
    "extensionId": "CiscoInfo",
    "parameters": {
      "version": "1.4",
      "source": "Cloud",
      "identity": 1003
    }
  }
]
```

```
    }
  }
]
}
}

##### 2026-04-27T05:50:25Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 20.2
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 20.8
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
            "lowFrequency": 5985
          },
          "maxPsd": 20.4
        },
        {
```

```
"frequencyRange": {
  "highFrequency": 6025,
  "lowFrequency": 6005
},
"maxPsd": 19.6
},
{
  "frequencyRange": {
    "highFrequency": 6045,
    "lowFrequency": 6025
  },
  "maxPsd": 21.4
},
{
  "frequencyRange": {
    "highFrequency": 6065,
    "lowFrequency": 6045
  },
  "maxPsd": 14.4
},
{
  "frequencyRange": {
    "highFrequency": 6085,
    "lowFrequency": 6065
  },
  "maxPsd": 13.8
},
{
  "frequencyRange": {
    "highFrequency": 6105,
    "lowFrequency": 6085
  },
  "maxPsd": 10.0
},
{
  "frequencyRange": {
    "highFrequency": 6125,
```

```
        "lowFrequency": 6105
      },
      "maxPsd": 11.0
    },
    {
      "frequencyRange": {
        "highFrequency": 6145,
        "lowFrequency": 6125
      },
      "maxPsd": 15.4
    },
    {
      "frequencyRange": {
        "highFrequency": 6165,
        "lowFrequency": 6145
      },
      "maxPsd": 15.8
    },
    {
      "frequencyRange": {
        "highFrequency": 6185,
        "lowFrequency": 6165
      },
      "maxPsd": 15.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6205,
        "lowFrequency": 6185
      },
      "maxPsd": 17.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6225,
        "lowFrequency": 6205
      },
    },
```

```
        "maxPsd": 14.5
      },
      {
        "frequencyRange": {
          "highFrequency": 6245,
          "lowFrequency": 6225
        },
        "maxPsd": 21.9
      },
      {
        "frequencyRange": {
          "highFrequency": 6265,
          "lowFrequency": 6245
        },
        "maxPsd": 9.1
      }
    ],
    "requestId": "114665208144416",
    "availabilityExpireTime": "2026-04-28T05:50:25Z",
    "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
  }
],
"version": "1.4"
}

##### 2026-04-27T05:50:26Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.159.133",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "761",
    "Connection": "Keep-Alive"
  },

```

```
"body": {
  "version": "1.4",
  "availableSpectrumInquiryRequests": [
    {
      "requestId": "114665208144416",
      "deviceDescriptor": {
        "serialNumber": "Q5BS-AZJ4-3RUF",
        "certificationId": [
          {
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
            "id": "UDX-CW9177E"
          }
        ]
      },
      "location": {
        "ellipse": {
          "center": {
            "latitude": 38,
            "longitude": -122
          },
          "majorAxis": 20,
          "minorAxis": 20,
          "orientation": 0
        },
        "elevation": {
          "height": 10.0,
          "heightType": "AGL",
          "verticalUncertainty": 10.0
        },
        "indoorDeployment": 2
      },
      "inquiredFrequencyRange": [
        {
          "lowFrequency": 5945,
          "highFrequency": 6875
        }
      ]
    }
  ],
}
```

```
"inquiredChannels": [
  {
    "globalOperatingClass": 131
  }
],
"vendorExtensions": [
  {
    "extensionId": "CiscoApInfo",
    "parameters": {
      "version": "1.4",
      "PID": "CW9177E"
    }
  }
]
}
],
"vendorExtensions": [
  {
    "extensionId": "CiscoInfo",
    "parameters": {
      "version": "1.4",
      "source": "Cloud",
      "identity": 1003
    }
  }
]
}
}
```

##### 2026-04-27T05:50:26Z #####

```
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
    },
  ],
}
```

```
"availableFrequencyInfo": [  
  {  
    "frequencyRange": {  
      "highFrequency": 5965,  
      "lowFrequency": 5945  
    },  
    "maxPsd": 20.2  
  },  
  {  
    "frequencyRange": {  
      "highFrequency": 5985,  
      "lowFrequency": 5965  
    },  
    "maxPsd": 20.8  
  },  
  {  
    "frequencyRange": {  
      "highFrequency": 6005,  
      "lowFrequency": 5985  
    },  
    "maxPsd": 20.4  
  },  
  {  
    "frequencyRange": {  
      "highFrequency": 6025,  
      "lowFrequency": 6005  
    },  
    "maxPsd": 19.6  
  },  
  {  
    "frequencyRange": {  
      "highFrequency": 6045,  
      "lowFrequency": 6025  
    },  
    "maxPsd": 21.4  
  },  
  {  

```

```
"frequencyRange": {
  "highFrequency": 6065,
  "lowFrequency": 6045
},
"maxPsd": 14.4
},
{
  "frequencyRange": {
    "highFrequency": 6085,
    "lowFrequency": 6065
  },
  "maxPsd": 13.8
},
{
  "frequencyRange": {
    "highFrequency": 6105,
    "lowFrequency": 6085
  },
  "maxPsd": 10.0
},
{
  "frequencyRange": {
    "highFrequency": 6125,
    "lowFrequency": 6105
  },
  "maxPsd": 11.0
},
{
  "frequencyRange": {
    "highFrequency": 6145,
    "lowFrequency": 6125
  },
  "maxPsd": 15.4
},
{
  "frequencyRange": {
    "highFrequency": 6165,
```

```
        "lowFrequency": 6145
      },
      "maxPsd": 15.8
    },
    {
      "frequencyRange": {
        "highFrequency": 6185,
        "lowFrequency": 6165
      },
      "maxPsd": 15.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6205,
        "lowFrequency": 6185
      },
      "maxPsd": 17.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6225,
        "lowFrequency": 6205
      },
      "maxPsd": 14.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6245,
        "lowFrequency": 6225
      },
      "maxPsd": 21.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6265,
        "lowFrequency": 6245
      },
    },
```

```
        "maxPsd": 9.1
      }
    ],
    "requestId": "114665208144416",
    "availabilityExpireTime": "2026-04-28T05:50:26Z",
    "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
  }
],
"version": "1.4"
}

##### 2026-04-27T06:05:30Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "curl/7.68.0",
    "Accept": "/*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.159.133",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "761",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "114665208144416",
        "deviceDescriptor": {
          "serialNumber": "Q5BS-AZJ4-3RUF",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "UDX-CW9177E"
            }
          ]
        }
      ]
    ]
  }
}
```

```
    },
    "location": {
      "ellipse": {
        "center": {
          "latitude": 38,
          "longitude": -122
        },
        "majorAxis": 20,
        "minorAxis": 20,
        "orientation": 0
      },
      "elevation": {
        "height": 10.0,
        "heightType": "AGL",
        "verticalUncertainty": 10.0
      },
      "indoorDeployment": 2
    },
    "inquiredFrequencyRange": [
      {
        "lowFrequency": 5945,
        "highFrequency": 6875
      }
    ],
    "inquiredChannels": [
      {
        "globalOperatingClass": 131
      }
    ],
    "vendorExtensions": [
      {
        "extensionId": "CiscoApInfo",
        "parameters": {
          "version": "1.4",
          "PID": "CW9177E"
        }
      }
    ]
  }
```

```
    ]
  }
],
"vendorExtensions": [
  {
    "extensionId": "CiscoInfo",
    "parameters": {
      "version": "1.4",
      "source": "Cloud",
      "identity": 1003
    }
  }
]
}
}

##### 2026-04-27T06:05:30Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 6285,
            "lowFrequency": 6265
          },
          "maxPsd": 11.4
        },
        {
          "frequencyRange": {
            "highFrequency": 6305,
            "lowFrequency": 6285
          },

```

```
"maxPsd": 8.6
},
{
  "frequencyRange": {
    "highFrequency": 6325,
    "lowFrequency": 6305
  },
  "maxPsd": 15.6
},
{
  "frequencyRange": {
    "highFrequency": 6345,
    "lowFrequency": 6325
  },
  "maxPsd": 15.4
},
{
  "frequencyRange": {
    "highFrequency": 6365,
    "lowFrequency": 6345
  },
  "maxPsd": 21.5
},
{
  "frequencyRange": {
    "highFrequency": 6385,
    "lowFrequency": 6365
  },
  "maxPsd": 13.3
},
{
  "frequencyRange": {
    "highFrequency": 6405,
    "lowFrequency": 6385
  },
  "maxPsd": 18.4
},
},
```

```
{
  "frequencyRange": {
    "highFrequency": 6425,
    "lowFrequency": 6405
  },
  "maxPsd": 20.1
},
{
  "frequencyRange": {
    "highFrequency": 6605,
    "lowFrequency": 6585
  },
  "maxPsd": 18.0
},
{
  "frequencyRange": {
    "highFrequency": 6625,
    "lowFrequency": 6605
  },
  "maxPsd": 11.8
},
{
  "frequencyRange": {
    "highFrequency": 6645,
    "lowFrequency": 6625
  },
  "maxPsd": 14.0
},
{
  "frequencyRange": {
    "highFrequency": 6665,
    "lowFrequency": 6645
  },
  "maxPsd": 18.0
},
{
  "frequencyRange": {
```

```
        "highFrequency": 6685,
        "lowFrequency": 6665
    },
    "maxPsd": 16.3
},
{
    "frequencyRange": {
        "highFrequency": 6705,
        "lowFrequency": 6685
    },
    "maxPsd": 19.8
},
{
    "frequencyRange": {
        "highFrequency": 6725,
        "lowFrequency": 6705
    },
    "maxPsd": 19.3
},
{
    "frequencyRange": {
        "highFrequency": 6745,
        "lowFrequency": 6725
    },
    "maxPsd": 10.1
}
],
"requestId": "114665208144416",
"availabilityExpireTime": "2026-04-28T06:05:30Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

##### 2026-04-27T06:05:31Z #####

{

```
"headers": {
  "Host": "testserver.wfatestorg.org",
  "Accept": "*/*",
  "Content-Type": "application/json",
  "X-Forwarded-For": "158.115.159.133",
  "X-Forwarded-Host": "testserver.wfatestorg.org",
  "X-Forwarded-Server": "testserver.wfatestorg.org",
  "Content-Length": "761",
  "Connection": "Keep-Alive"
},
"body": {
  "version": "1.4",
  "availableSpectrumInquiryRequests": [
    {
      "requestId": "114665208144416",
      "deviceDescriptor": {
        "serialNumber": "Q5BS-AZJ4-3RUF",
        "certificationId": [
          {
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
            "id": "UDX-CW9177E"
          }
        ]
      }
    }
  ],
  "location": {
    "ellipse": {
      "center": {
        "latitude": 38,
        "longitude": -122
      },
      "majorAxis": 20,
      "minorAxis": 20,
      "orientation": 0
    },
    "elevation": {
      "height": 10.0,
      "heightType": "AGL",
```

```
        "verticalUncertainty": 10.0
      },
      "indoorDeployment": 2
    },
    "inquiredFrequencyRange": [
      {
        "lowFrequency": 5945,
        "highFrequency": 6875
      }
    ],
    "inquiredChannels": [
      {
        "globalOperatingClass": 131
      }
    ],
    "vendorExtensions": [
      {
        "extensionId": "CiscoApInfo",
        "parameters": {
          "version": "1.4",
          "PID": "CW9177E"
        }
      }
    ]
  },
  "vendorExtensions": [
    {
      "extensionId": "CiscoInfo",
      "parameters": {
        "version": "1.4",
        "source": "Cloud",
        "identity": 1003
      }
    }
  ]
}
```

```
}

##### 2026-04-27T06:05:31Z #####

{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 6285,
            "lowFrequency": 6265
          },
          "maxPsd": 11.4
        },
        {
          "frequencyRange": {
            "highFrequency": 6305,
            "lowFrequency": 6285
          },
          "maxPsd": 8.6
        },
        {
          "frequencyRange": {
            "highFrequency": 6325,
            "lowFrequency": 6305
          },
          "maxPsd": 15.6
        },
        {
          "frequencyRange": {
            "highFrequency": 6345,
            "lowFrequency": 6325
          },

```

```
"maxPsd": 15.4
},
{
  "frequencyRange": {
    "highFrequency": 6365,
    "lowFrequency": 6345
  },
  "maxPsd": 21.5
},
{
  "frequencyRange": {
    "highFrequency": 6385,
    "lowFrequency": 6365
  },
  "maxPsd": 13.3
},
{
  "frequencyRange": {
    "highFrequency": 6405,
    "lowFrequency": 6385
  },
  "maxPsd": 18.4
},
{
  "frequencyRange": {
    "highFrequency": 6425,
    "lowFrequency": 6405
  },
  "maxPsd": 20.1
},
{
  "frequencyRange": {
    "highFrequency": 6605,
    "lowFrequency": 6585
  },
  "maxPsd": 18.0
},
},
```

```
{
  "frequencyRange": {
    "highFrequency": 6625,
    "lowFrequency": 6605
  },
  "maxPsd": 11.8
},
{
  "frequencyRange": {
    "highFrequency": 6645,
    "lowFrequency": 6625
  },
  "maxPsd": 14.0
},
{
  "frequencyRange": {
    "highFrequency": 6665,
    "lowFrequency": 6645
  },
  "maxPsd": 18.0
},
{
  "frequencyRange": {
    "highFrequency": 6685,
    "lowFrequency": 6665
  },
  "maxPsd": 16.3
},
{
  "frequencyRange": {
    "highFrequency": 6705,
    "lowFrequency": 6685
  },
  "maxPsd": 19.8
},
{
  "frequencyRange": {
```

```
        "highFrequency": 6725,
        "lowFrequency": 6705
      },
      "maxPsd": 19.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6745,
        "lowFrequency": 6725
      },
      "maxPsd": 10.1
    }
  ],
  "requestId": "114665208144416",
  "availabilityExpireTime": "2026-04-28T06:05:31Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

**CT\_AFC\_SP\_AP\_AFCDUSA32\_Frequency\_10615\_1**

##### 2026-04-27T07:10:34Z #####

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "curl/7.68.0",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.159.133",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "761",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "114665208144416",
        "deviceDescriptor": {
          "serialNumber": "Q5BS-AZJ4-3RUF",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "UDX-CW9177E"
            }
          ]
        }
      },
      {
        "location": {
          "ellipse": {
            "center": {
              "latitude": 38,
              "longitude": -122
            },
            "majorAxis": 20,
            "minorAxis": 20,
            "orientation": 0
          }
        }
      }
    ]
  }
}
```

```
    },
    "elevation": {
      "height": 10.0,
      "heightType": "AGL",
      "verticalUncertainty": 10.0
    },
    "indoorDeployment": 2
  },
  "inquiredFrequencyRange": [
    {
      "lowFrequency": 5945,
      "highFrequency": 6875
    }
  ],
  "inquiredChannels": [
    {
      "globalOperatingClass": 131
    }
  ],
  "vendorExtensions": [
    {
      "extensionId": "CiscoApInfo",
      "parameters": {
        "version": "1.4",
        "PID": "CW9177E"
      }
    }
  ]
},
"vendorExtensions": [
  {
    "extensionId": "CiscoInfo",
    "parameters": {
      "version": "1.4",
      "source": "Cloud",
      "identity": 1003
    }
  }
]
```

```
    }
  }
]
}
}

##### 2026-04-27T07:10:35Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [],
      "requestId": "114665208144416",
      "availabilityExpireTime": "2026-04-28T07:10:35Z",
      "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
    }
  ],
  "version": "1.4"
}

##### 2026-04-27T07:10:35Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.159.133",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "761",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
```

```
"availableSpectrumInquiryRequests": [  
  {  
    "requestId": "114665208144416",  
    "deviceDescriptor": {  
      "serialNumber": "Q5BS-AZJ4-3RUF",  
      "certificationId": [  
        {  
          "rulesetId": "US_47_CFR_PART_15_SUBPART_E",  
          "id": "UDX-CW9177E"  
        }  
      ]  
    },  
    "location": {  
      "ellipse": {  
        "center": {  
          "latitude": 38,  
          "longitude": -122  
        },  
        "majorAxis": 20,  
        "minorAxis": 20,  
        "orientation": 0  
      },  
      "elevation": {  
        "height": 10.0,  
        "heightType": "AGL",  
        "verticalUncertainty": 10.0  
      },  
      "indoorDeployment": 2  
    },  
    "inquiredFrequencyRange": [  
      {  
        "lowFrequency": 5945,  
        "highFrequency": 6875  
      }  
    ],  
    "inquiredChannels": [  
      {
```

```
        "globalOperatingClass": 131
      }
    ],
    "vendorExtensions": [
      {
        "extensionId": "CiscoApInfo",
        "parameters": {
          "version": "1.4",
          "PID": "CW9177E"
        }
      }
    ]
  }
],
"vendorExtensions": [
  {
    "extensionId": "CiscoInfo",
    "parameters": {
      "version": "1.4",
      "source": "Cloud",
      "identity": 1003
    }
  }
]
}
}
```

##### 2026-04-27T07:10:36Z #####

```
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [],
      "requestId": "114665208144416",
    }
  ]
}
```

```
"availabilityExpireTime": "2026-04-28T07:10:36Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

##### 2026-04-27T07:11:26Z #####

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "curl/7.68.0",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.159.133",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "761",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "114665208144416",
        "deviceDescriptor": {
          "serialNumber": "Q5BS-AZJ4-3RUF",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "UDX-CW9177E"
            }
          ]
        }
      }
    ],
    "location": {
      "ellipse": {
        "center": {
```

```
        "latitude": 38,
        "longitude": -122
      },
      "majorAxis": 20,
      "minorAxis": 20,
      "orientation": 0
    },
    "elevation": {
      "height": 10.0,
      "heightType": "AGL",
      "verticalUncertainty": 10.0
    },
    "indoorDeployment": 2
  },
  "inquiredFrequencyRange": [
    {
      "lowFrequency": 5945,
      "highFrequency": 6875
    }
  ],
  "inquiredChannels": [
    {
      "globalOperatingClass": 131
    }
  ],
  "vendorExtensions": [
    {
      "extensionId": "CiscoApInfo",
      "parameters": {
        "version": "1.4",
        "PID": "CW9177E"
      }
    }
  ]
},
"vendorExtensions": [
```

```
{
  "extensionId": "CiscoInfo",
  "parameters": {
    "version": "1.4",
    "source": "Cloud",
    "identity": 1003
  }
}
]
}
}

##### 2026-04-27T07:11:26Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [],
      "requestId": "114665208144416",
      "availabilityExpireTime": "2026-04-28T07:11:26Z",
      "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
    }
  ],
  "version": "1.4"
}

##### 2026-04-27T07:11:27Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.159.133",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
```

```
"X-Forwarded-Server": "testserver.wfatestorg.org",
"Content-Length": "761",
"Connection": "Keep-Alive"
},
"body": {
  "version": "1.4",
  "availableSpectrumInquiryRequests": [
    {
      "requestId": "114665208144416",
      "deviceDescriptor": {
        "serialNumber": "Q5BS-AZJ4-3RUF",
        "certificationId": [
          {
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
            "id": "UDX-CW9177E"
          }
        ]
      }
    },
    {
      "location": {
        "ellipse": {
          "center": {
            "latitude": 38,
            "longitude": -122
          },
          "majorAxis": 20,
          "minorAxis": 20,
          "orientation": 0
        },
        "elevation": {
          "height": 10.0,
          "heightType": "AGL",
          "verticalUncertainty": 10.0
        },
        "indoorDeployment": 2
      },
      "inquiredFrequencyRange": [
        {
```

```
        "lowFrequency": 5945,
        "highFrequency": 6875
      }
    ],
    "inquiredChannels": [
      {
        "globalOperatingClass": 131
      }
    ],
    "vendorExtensions": [
      {
        "extensionId": "CiscoApInfo",
        "parameters": {
          "version": "1.4",
          "PID": "CW9177E"
        }
      }
    ]
  }
],
"vendorExtensions": [
  {
    "extensionId": "CiscoInfo",
    "parameters": {
      "version": "1.4",
      "source": "Cloud",
      "identity": 1003
    }
  }
]
}
}
```

##### 2026-04-27T07:11:27Z #####

```
{
  "availableSpectrumInquiryResponses": [
    {
```

```
"response": {  
  "responseCode": 0,  
  "shortDescription": "SUCCESS"  
},  
"availableFrequencyInfo": [],  
"requestId": "114665208144416",  
"availabilityExpireTime": "2026-04-28T07:11:27Z",  
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"  
}  
],  
"version": "1.4"  
}
```

**CT\_AFC\_SP\_AP\_AFCDSAU33\_Frequency\_10616\_1**

##### 2026-04-27T07:34:26Z #####

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "curl/7.68.0",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.159.133",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "761",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "114665208144416",
        "deviceDescriptor": {
          "serialNumber": "Q5BS-AZJ4-3RUF",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "UDX-CW9177E"
            }
          ]
        }
      }
    ],
    "location": {
      "ellipse": {
        "center": {
          "latitude": 38,
          "longitude": -122
        },
        "majorAxis": 20,
        "minorAxis": 20,
        "orientation": 0
      }
    }
  }
}
```

```
    },
    "elevation": {
      "height": 10.0,
      "heightType": "AGL",
      "verticalUncertainty": 10.0
    },
    "indoorDeployment": 2
  },
  "inquiredFrequencyRange": [
    {
      "lowFrequency": 5945,
      "highFrequency": 6875
    }
  ],
  "inquiredChannels": [
    {
      "globalOperatingClass": 131
    }
  ],
  "vendorExtensions": [
    {
      "extensionId": "CiscoApInfo",
      "parameters": {
        "version": "1.4",
        "PID": "CW9177E"
      }
    }
  ]
},
"vendorExtensions": [
  {
    "extensionId": "CiscoInfo",
    "parameters": {
      "version": "1.4",
      "source": "Cloud",
      "identity": 1003
    }
  }
]
```

```
    }
  }
]
}
}

##### 2026-04-27T07:34:26Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [],
      "availableChannelInfo": [],
      "requestId": "114665208144416",
      "availabilityExpireTime": "2026-04-28T07:34:26Z",
      "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
    }
  ],
  "version": "1.4"
}

##### 2026-04-27T07:34:27Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "/*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.159.133",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "761",
    "Connection": "Keep-Alive"
  },
  "body": {
```

```
"version": "1.4",
"availableSpectrumInquiryRequests": [
  {
    "requestId": "114665208144416",
    "deviceDescriptor": {
      "serialNumber": "Q5BS-AZJ4-3RUF",
      "certificationId": [
        {
          "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
          "id": "UDX-CW9177E"
        }
      ]
    },
    "location": {
      "ellipse": {
        "center": {
          "latitude": 38,
          "longitude": -122
        },
        "majorAxis": 20,
        "minorAxis": 20,
        "orientation": 0
      },
      "elevation": {
        "height": 10.0,
        "heightType": "AGL",
        "verticalUncertainty": 10.0
      },
      "indoorDeployment": 2
    },
    "inquiredFrequencyRange": [
      {
        "lowFrequency": 5945,
        "highFrequency": 6875
      }
    ],
    "inquiredChannels": [
```

```
{
  "globalOperatingClass": 131
}
],
"vendorExtensions": [
  {
    "extensionId": "CiscoApInfo",
    "parameters": {
      "version": "1.4",
      "PID": "CW9177E"
    }
  }
]
}
],
"vendorExtensions": [
  {
    "extensionId": "CiscoInfo",
    "parameters": {
      "version": "1.4",
      "source": "Cloud",
      "identity": 1003
    }
  }
]
}
}
```

##### 2026-04-27T07:34:27Z #####

```
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [],
    }
  ]
}
```

```
"availableChannelInfo": [],  
  "requestId": "114665208144416",  
  "availabilityExpireTime": "2026-04-28T07:34:27Z",  
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"  
},  
"version": "1.4"  
}
```

##### 2026-04-27T07:35:36Z #####

```
{  
  "headers": {  
    "Host": "testserver.wfatestorg.org",  
    "User-Agent": "curl/7.68.0",  
    "Accept": "/*/*",  
    "Content-Type": "application/json",  
    "X-Forwarded-For": "158.115.159.133",  
    "X-Forwarded-Host": "testserver.wfatestorg.org",  
    "X-Forwarded-Server": "testserver.wfatestorg.org",  
    "Content-Length": "761",  
    "Connection": "Keep-Alive"  
  },  
  "body": {  
    "version": "1.4",  
    "availableSpectrumInquiryRequests": [  
      {  
        "requestId": "114665208144416",  
        "deviceDescriptor": {  
          "serialNumber": "Q5BS-AZJ4-3RUF",  
          "certificationId": [  
            {  
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",  
              "id": "UDX-CW9177E"  
            }  
          ]  
        }  
      ]  
    },  
    "location": {
```

```
    "ellipse": {
      "center": {
        "latitude": 38,
        "longitude": -122
      },
      "majorAxis": 20,
      "minorAxis": 20,
      "orientation": 0
    },
    "elevation": {
      "height": 10.0,
      "heightType": "AGL",
      "verticalUncertainty": 10.0
    },
    "indoorDeployment": 2
  },
  "inquiredFrequencyRange": [
    {
      "lowFrequency": 5945,
      "highFrequency": 6875
    }
  ],
  "inquiredChannels": [
    {
      "globalOperatingClass": 131
    }
  ],
  "vendorExtensions": [
    {
      "extensionId": "CiscoApInfo",
      "parameters": {
        "version": "1.4",
        "PID": "CW9177E"
      }
    }
  ]
}
```

```
    ],
    "vendorExtensions": [
      {
        "extensionId": "CiscoInfo",
        "parameters": {
          "version": "1.4",
          "source": "Cloud",
          "identity": 1003
        }
      }
    ]
  }
}

##### 2026-04-27T07:35:37Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 6365,
            "lowFrequency": 6345
          },
          "maxPsd": 12.7
        },
        {
          "frequencyRange": {
            "highFrequency": 6385,
            "lowFrequency": 6365
          },
          "maxPsd": 19.4
        }
      ]
    }
  ]
}
```

```
{
  "frequencyRange": {
    "highFrequency": 6405,
    "lowFrequency": 6385
  },
  "maxPsd": 21.6
},
{
  "frequencyRange": {
    "highFrequency": 6425,
    "lowFrequency": 6405
  },
  "maxPsd": 18.7
},
{
  "frequencyRange": {
    "highFrequency": 6605,
    "lowFrequency": 6585
  },
  "maxPsd": 18.3
},
{
  "frequencyRange": {
    "highFrequency": 6625,
    "lowFrequency": 6605
  },
  "maxPsd": 8.3
},
{
  "frequencyRange": {
    "highFrequency": 6645,
    "lowFrequency": 6625
  },
  "maxPsd": 11.7
},
{
  "frequencyRange": {
```

```
        "highFrequency": 6665,
        "lowFrequency": 6645
    },
    "maxPsd": 18.6
},
{
    "frequencyRange": {
        "highFrequency": 6685,
        "lowFrequency": 6665
    },
    "maxPsd": 19.2
},
{
    "frequencyRange": {
        "highFrequency": 6705,
        "lowFrequency": 6685
    },
    "maxPsd": 17.3
},
{
    "frequencyRange": {
        "highFrequency": 6725,
        "lowFrequency": 6705
    },
    "maxPsd": 12.0
},
{
    "frequencyRange": {
        "highFrequency": 6745,
        "lowFrequency": 6725
    },
    "maxPsd": 10.3
},
{
    "frequencyRange": {
        "highFrequency": 6765,
        "lowFrequency": 6745
```

```
    },
    "maxPsd": 15.0
  },
  {
    "frequencyRange": {
      "highFrequency": 6785,
      "lowFrequency": 6765
    },
    "maxPsd": 18.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6805,
      "lowFrequency": 6785
    },
    "maxPsd": 13.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6825,
      "lowFrequency": 6805
    },
    "maxPsd": 11.7
  }
],
"requestId": "114665208144416",
"availabilityExpireTime": "2026-04-28T07:35:37Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

```
##### 2026-04-27T07:35:37Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
```

```
"Accept": "*/*",
"Content-Type": "application/json",
"X-Forwarded-For": "158.115.159.133",
"X-Forwarded-Host": "testserver.wfatestorg.org",
"X-Forwarded-Server": "testserver.wfatestorg.org",
"Content-Length": "761",
"Connection": "Keep-Alive"
},
"body": {
  "version": "1.4",
  "availableSpectrumInquiryRequests": [
    {
      "requestId": "114665208144416",
      "deviceDescriptor": {
        "serialNumber": "Q5BS-AZJ4-3RUF",
        "certificationId": [
          {
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
            "id": "UDX-CW9177E"
          }
        ]
      }
    }
  ],
  "location": {
    "ellipse": {
      "center": {
        "latitude": 38,
        "longitude": -122
      },
      "majorAxis": 20,
      "minorAxis": 20,
      "orientation": 0
    },
    "elevation": {
      "height": 10.0,
      "heightType": "AGL",
      "verticalUncertainty": 10.0
    }
  },
}
```

```
        "indoorDeployment": 2
      },
      "inquiredFrequencyRange": [
        {
          "lowFrequency": 5945,
          "highFrequency": 6875
        }
      ],
      "inquiredChannels": [
        {
          "globalOperatingClass": 131
        }
      ],
      "vendorExtensions": [
        {
          "extensionId": "CiscoApInfo",
          "parameters": {
            "version": "1.4",
            "PID": "CW9177E"
          }
        }
      ]
    },
    {
      "vendorExtensions": [
        {
          "extensionId": "CiscoInfo",
          "parameters": {
            "version": "1.4",
            "source": "Cloud",
            "identity": 1003
          }
        }
      ]
    }
  ]
}
```

##### 2026-04-27T07:35:38Z #####

```
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 6365,
            "lowFrequency": 6345
          },
          "maxPsd": 12.7
        },
        {
          "frequencyRange": {
            "highFrequency": 6385,
            "lowFrequency": 6365
          },
          "maxPsd": 19.4
        },
        {
          "frequencyRange": {
            "highFrequency": 6405,
            "lowFrequency": 6385
          },
          "maxPsd": 21.6
        },
        {
          "frequencyRange": {
            "highFrequency": 6425,
            "lowFrequency": 6405
          },
          "maxPsd": 18.7
        }
      ]
    }
  ]
}
```

```
{
  "frequencyRange": {
    "highFrequency": 6605,
    "lowFrequency": 6585
  },
  "maxPsd": 18.3
},
{
  "frequencyRange": {
    "highFrequency": 6625,
    "lowFrequency": 6605
  },
  "maxPsd": 8.3
},
{
  "frequencyRange": {
    "highFrequency": 6645,
    "lowFrequency": 6625
  },
  "maxPsd": 11.7
},
{
  "frequencyRange": {
    "highFrequency": 6665,
    "lowFrequency": 6645
  },
  "maxPsd": 18.6
},
{
  "frequencyRange": {
    "highFrequency": 6685,
    "lowFrequency": 6665
  },
  "maxPsd": 19.2
},
{
  "frequencyRange": {
```

```
        "highFrequency": 6705,
        "lowFrequency": 6685
    },
    "maxPsd": 17.3
},
{
    "frequencyRange": {
        "highFrequency": 6725,
        "lowFrequency": 6705
    },
    "maxPsd": 12.0
},
{
    "frequencyRange": {
        "highFrequency": 6745,
        "lowFrequency": 6725
    },
    "maxPsd": 10.3
},
{
    "frequencyRange": {
        "highFrequency": 6765,
        "lowFrequency": 6745
    },
    "maxPsd": 15.0
},
{
    "frequencyRange": {
        "highFrequency": 6785,
        "lowFrequency": 6765
    },
    "maxPsd": 18.7
},
{
    "frequencyRange": {
        "highFrequency": 6805,
        "lowFrequency": 6785
```

```
    },
    "maxPsd": 13.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6825,
      "lowFrequency": 6805
    },
    "maxPsd": 11.7
  }
],
"requestId": "114665208144416",
"availabilityExpireTime": "2026-04-28T07:35:38Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

##### 2026-04-27T07:36:25Z #####

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "curl/7.68.0",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.159.133",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "761",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "114665208144416",
```

```
"deviceDescriptor": {
  "serialNumber": "Q5BS-AZJ4-3RUF",
  "certificationId": [
    {
      "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
      "id": "UDX-CW9177E"
    }
  ]
},
"location": {
  "ellipse": {
    "center": {
      "latitude": 38,
      "longitude": -122
    },
    "majorAxis": 20,
    "minorAxis": 20,
    "orientation": 0
  },
  "elevation": {
    "height": 10.0,
    "heightType": "AGL",
    "verticalUncertainty": 10.0
  },
  "indoorDeployment": 2
},
"inquiredFrequencyRange": [
  {
    "lowFrequency": 5945,
    "highFrequency": 6875
  }
],
"inquiredChannels": [
  {
    "globalOperatingClass": 131
  }
],
```

```
"vendorExtensions": [  
  {  
    "extensionId": "CiscoApInfo",  
    "parameters": {  
      "version": "1.4",  
      "PID": "CW9177E"  
    }  
  }  
]  
},  
"vendorExtensions": [  
  {  
    "extensionId": "CiscoInfo",  
    "parameters": {  
      "version": "1.4",  
      "source": "Cloud",  
      "identity": 1003  
    }  
  }  
]  
}  
}  
  
##### 2026-04-27T07:36:25Z #####  
{  
  "availableSpectrumInquiryResponses": [  
    {  
      "response": {  
        "responseCode": 0,  
        "shortDescription": "SUCCESS"  
      },  
      "availableFrequencyInfo": [  
        {  
          "frequencyRange": {  
            "highFrequency": 6365,  
            "lowFrequency": 6345
```

```
    },
    "maxPsd": 12.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6385,
      "lowFrequency": 6365
    },
    "maxPsd": 19.4
  },
  {
    "frequencyRange": {
      "highFrequency": 6405,
      "lowFrequency": 6385
    },
    "maxPsd": 21.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6425,
      "lowFrequency": 6405
    },
    "maxPsd": 18.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6605,
      "lowFrequency": 6585
    },
    "maxPsd": 18.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6625,
      "lowFrequency": 6605
    },
    "maxPsd": 8.3
  }
```

```
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6645,  
        "lowFrequency": 6625  
      },  
      "maxPsd": 11.7  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6665,  
        "lowFrequency": 6645  
      },  
      "maxPsd": 18.6  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6685,  
        "lowFrequency": 6665  
      },  
      "maxPsd": 19.2  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6705,  
        "lowFrequency": 6685  
      },  
      "maxPsd": 17.3  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6725,  
        "lowFrequency": 6705  
      },  
      "maxPsd": 12.0  
    },  
    {
```

```
        "frequencyRange": {
            "highFrequency": 6745,
            "lowFrequency": 6725
        },
        "maxPsd": 10.3
    },
    {
        "frequencyRange": {
            "highFrequency": 6765,
            "lowFrequency": 6745
        },
        "maxPsd": 15.0
    },
    {
        "frequencyRange": {
            "highFrequency": 6785,
            "lowFrequency": 6765
        },
        "maxPsd": 18.7
    },
    {
        "frequencyRange": {
            "highFrequency": 6805,
            "lowFrequency": 6785
        },
        "maxPsd": 13.1
    },
    {
        "frequencyRange": {
            "highFrequency": 6825,
            "lowFrequency": 6805
        },
        "maxPsd": 11.7
    }
],
"requestId": "114665208144416",
"availabilityExpireTime": "2026-04-28T07:36:25Z",
```

```
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}

##### 2026-04-27T07:36:26Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "/*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.159.133",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "761",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "114665208144416",
        "deviceDescriptor": {
          "serialNumber": "Q5BS-AZJ4-3RUF",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "UDX-CW9177E"
            }
          ]
        }
      },
      {
        "location": {
          "ellipse": {
            "center": {
              "latitude": 38,
              "longitude": -122
            }
          }
        }
      }
    ]
  }
}
```

```
    },
    "majorAxis": 20,
    "minorAxis": 20,
    "orientation": 0
  },
  "elevation": {
    "height": 10.0,
    "heightType": "AGL",
    "verticalUncertainty": 10.0
  },
  "indoorDeployment": 2
},
"inquiredFrequencyRange": [
  {
    "lowFrequency": 5945,
    "highFrequency": 6875
  }
],
"inquiredChannels": [
  {
    "globalOperatingClass": 131
  }
],
"vendorExtensions": [
  {
    "extensionId": "CiscoApInfo",
    "parameters": {
      "version": "1.4",
      "PID": "CW9177E"
    }
  }
]
},
"vendorExtensions": [
  {
    "extensionId": "CiscoInfo",
```

```
"parameters": {
  "version": "1.4",
  "source": "Cloud",
  "identity": 1003
}
}
]
}
}

##### 2026-04-27T07:36:26Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 6365,
            "lowFrequency": 6345
          },
          "maxPsd": 12.7
        },
        {
          "frequencyRange": {
            "highFrequency": 6385,
            "lowFrequency": 6365
          },
          "maxPsd": 19.4
        },
        {
          "frequencyRange": {
            "highFrequency": 6405,
            "lowFrequency": 6385
          }
        }
      ]
    }
  ]
}
```

```
    },
    "maxPsd": 21.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6425,
      "lowFrequency": 6405
    },
    "maxPsd": 18.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6605,
      "lowFrequency": 6585
    },
    "maxPsd": 18.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6625,
      "lowFrequency": 6605
    },
    "maxPsd": 8.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6645,
      "lowFrequency": 6625
    },
    "maxPsd": 11.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6665,
      "lowFrequency": 6645
    },
    "maxPsd": 18.6
  }
```

```
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6685,  
        "lowFrequency": 6665  
      },  
      "maxPsd": 19.2  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6705,  
        "lowFrequency": 6685  
      },  
      "maxPsd": 17.3  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6725,  
        "lowFrequency": 6705  
      },  
      "maxPsd": 12.0  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6745,  
        "lowFrequency": 6725  
      },  
      "maxPsd": 10.3  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6765,  
        "lowFrequency": 6745  
      },  
      "maxPsd": 15.0  
    },  
    {
```

```
        "frequencyRange": {
            "highFrequency": 6785,
            "lowFrequency": 6765
        },
        "maxPsd": 18.7
    },
    {
        "frequencyRange": {
            "highFrequency": 6805,
            "lowFrequency": 6785
        },
        "maxPsd": 13.1
    },
    {
        "frequencyRange": {
            "highFrequency": 6825,
            "lowFrequency": 6805
        },
        "maxPsd": 11.7
    }
],
"requestId": "114665208144416",
"availabilityExpireTime": "2026-04-28T07:36:26Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

##### 2026-04-27T07:43:38Z #####

```
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "User-Agent": "curl/7.68.0",
        "Accept": "*/*",
        "Content-Type": "application/json",
        "X-Forwarded-For": "158.115.159.133",
```

```
"X-Forwarded-Host": "testserver.wfatestorg.org",
"X-Forwarded-Server": "testserver.wfatestorg.org",
"Content-Length": "761",
"Connection": "Keep-Alive"
},
"body": {
  "version": "1.4",
  "availableSpectrumInquiryRequests": [
    {
      "requestId": "114665208144416",
      "deviceDescriptor": {
        "serialNumber": "Q5BS-AZJ4-3RUF",
        "certificationId": [
          {
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
            "id": "UDX-CW9177E"
          }
        ]
      }
    }
  ],
  "location": {
    "ellipse": {
      "center": {
        "latitude": 38,
        "longitude": -122
      },
      "majorAxis": 20,
      "minorAxis": 20,
      "orientation": 0
    },
    "elevation": {
      "height": 10.0,
      "heightType": "AGL",
      "verticalUncertainty": 10.0
    },
    "indoorDeployment": 2
  },
  "inquiredFrequencyRange": [
```

```
{
  "lowFrequency": 5945,
  "highFrequency": 6875
},
"inquiredChannels": [
  {
    "globalOperatingClass": 131
  }
],
"vendorExtensions": [
  {
    "extensionId": "CiscoApInfo",
    "parameters": {
      "version": "1.4",
      "PID": "CW9177E"
    }
  }
]
},
"vendorExtensions": [
  {
    "extensionId": "CiscoInfo",
    "parameters": {
      "version": "1.4",
      "source": "Cloud",
      "identity": 1003
    }
  }
]
}
}
```

##### 2026-04-27T07:49:52Z #####

```
{
  "availableSpectrumInquiryResponses": [
```

```
{
  "response": {
    "responseCode": 0,
    "shortDescription": "SUCCESS"
  },
  "availableFrequencyInfo": [
    {
      "frequencyRange": {
        "highFrequency": 5965,
        "lowFrequency": 5945
      },
      "maxPsd": 8.0
    },
    {
      "frequencyRange": {
        "highFrequency": 5985,
        "lowFrequency": 5965
      },
      "maxPsd": 14.8
    },
    {
      "frequencyRange": {
        "highFrequency": 6005,
        "lowFrequency": 5985
      },
      "maxPsd": 9.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6025,
        "lowFrequency": 6005
      },
      "maxPsd": 14.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6045,
```

```
        "lowFrequency": 6025
      },
      "maxPsd": 12.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6065,
        "lowFrequency": 6045
      },
      "maxPsd": 8.2
    },
    {
      "frequencyRange": {
        "highFrequency": 6085,
        "lowFrequency": 6065
      },
      "maxPsd": 15.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6105,
        "lowFrequency": 6085
      },
      "maxPsd": 8.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6125,
        "lowFrequency": 6105
      },
      "maxPsd": 16.4
    },
    {
      "frequencyRange": {
        "highFrequency": 6145,
        "lowFrequency": 6125
      },
    },
```

```
"maxPsd": 17.6
},
{
  "frequencyRange": {
    "highFrequency": 6165,
    "lowFrequency": 6145
  },
  "maxPsd": 18.7
},
{
  "frequencyRange": {
    "highFrequency": 6185,
    "lowFrequency": 6165
  },
  "maxPsd": 16.4
},
{
  "frequencyRange": {
    "highFrequency": 6205,
    "lowFrequency": 6185
  },
  "maxPsd": 20.0
},
{
  "frequencyRange": {
    "highFrequency": 6225,
    "lowFrequency": 6205
  },
  "maxPsd": 20.2
},
{
  "frequencyRange": {
    "highFrequency": 6245,
    "lowFrequency": 6225
  },
  "maxPsd": 15.9
},
},
```

```
{
  "frequencyRange": {
    "highFrequency": 6265,
    "lowFrequency": 6245
  },
  "maxPsd": 13.7
},
{
  "frequencyRange": {
    "highFrequency": 6285,
    "lowFrequency": 6265
  },
  "maxPsd": 8.7
},
{
  "frequencyRange": {
    "highFrequency": 6305,
    "lowFrequency": 6285
  },
  "maxPsd": 14.9
},
{
  "frequencyRange": {
    "highFrequency": 6325,
    "lowFrequency": 6305
  },
  "maxPsd": 8.5
},
{
  "frequencyRange": {
    "highFrequency": 6345,
    "lowFrequency": 6325
  },
  "maxPsd": 11.9
}
],
"requestId": "114665208144416",
```

```
"availabilityExpireTime": "2026-04-28T07:49:52Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

##### 2026-04-27T07:49:52Z #####

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.159.133",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "761",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "114665208144416",
        "deviceDescriptor": {
          "serialNumber": "Q5BS-AZJ4-3RUF",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "UDX-CW9177E"
            }
          ]
        },
        "location": {
          "ellipse": {
            "center": {
              "latitude": 38,
```

```
        "longitude": -122
      },
      "majorAxis": 20,
      "minorAxis": 20,
      "orientation": 0
    },
    "elevation": {
      "height": 10.0,
      "heightType": "AGL",
      "verticalUncertainty": 10.0
    },
    "indoorDeployment": 2
  },
  "inquiredFrequencyRange": [
    {
      "lowFrequency": 5945,
      "highFrequency": 6875
    }
  ],
  "inquiredChannels": [
    {
      "globalOperatingClass": 131
    }
  ],
  "vendorExtensions": [
    {
      "extensionId": "CiscoApInfo",
      "parameters": {
        "version": "1.4",
        "PID": "CW9177E"
      }
    }
  ]
},
"vendorExtensions": [
  {
```

```
"extensionId": "CiscoInfo",
"parameters": {
  "version": "1.4",
  "source": "Cloud",
  "identity": 1003
}
}
]
}
}

##### 2026-04-27T07:49:53Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 8.0
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 14.8
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
```

```
        "lowFrequency": 5985
      },
      "maxPsd": 9.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6025,
        "lowFrequency": 6005
      },
      "maxPsd": 14.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6045,
        "lowFrequency": 6025
      },
      "maxPsd": 12.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6065,
        "lowFrequency": 6045
      },
      "maxPsd": 8.2
    },
    {
      "frequencyRange": {
        "highFrequency": 6085,
        "lowFrequency": 6065
      },
      "maxPsd": 15.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6105,
        "lowFrequency": 6085
      },
```

```
"maxPsd": 8.6
},
{
  "frequencyRange": {
    "highFrequency": 6125,
    "lowFrequency": 6105
  },
  "maxPsd": 16.4
},
{
  "frequencyRange": {
    "highFrequency": 6145,
    "lowFrequency": 6125
  },
  "maxPsd": 17.6
},
{
  "frequencyRange": {
    "highFrequency": 6165,
    "lowFrequency": 6145
  },
  "maxPsd": 18.7
},
{
  "frequencyRange": {
    "highFrequency": 6185,
    "lowFrequency": 6165
  },
  "maxPsd": 16.4
},
{
  "frequencyRange": {
    "highFrequency": 6205,
    "lowFrequency": 6185
  },
  "maxPsd": 20.0
},
},
```

```
{
  "frequencyRange": {
    "highFrequency": 6225,
    "lowFrequency": 6205
  },
  "maxPsd": 20.2
},
{
  "frequencyRange": {
    "highFrequency": 6245,
    "lowFrequency": 6225
  },
  "maxPsd": 15.9
},
{
  "frequencyRange": {
    "highFrequency": 6265,
    "lowFrequency": 6245
  },
  "maxPsd": 13.7
},
{
  "frequencyRange": {
    "highFrequency": 6285,
    "lowFrequency": 6265
  },
  "maxPsd": 8.7
},
{
  "frequencyRange": {
    "highFrequency": 6305,
    "lowFrequency": 6285
  },
  "maxPsd": 14.9
},
{
  "frequencyRange": {
```

```
        "highFrequency": 6325,
        "lowFrequency": 6305
    },
    "maxPsd": 8.5
},
{
    "frequencyRange": {
        "highFrequency": 6345,
        "lowFrequency": 6325
    },
    "maxPsd": 11.9
}
],
"requestId": "114665208144416",
"availabilityExpireTime": "2026-04-28T07:49:53Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}

##### 2026-04-27T07:49:59Z #####
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "User-Agent": "curl/7.68.0",
        "Accept": "*/*",
        "Content-Type": "application/json",
        "X-Forwarded-For": "158.115.159.133",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
        "Content-Length": "761",
        "Connection": "Keep-Alive"
    },
    "body": {
        "version": "1.4",
        "availableSpectrumInquiryRequests": [
```

```
{
  "requestId": "114665208144416",
  "deviceDescriptor": {
    "serialNumber": "Q5BS-AZJ4-3RUF",
    "certificationId": [
      {
        "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
        "id": "UDX-CW9177E"
      }
    ]
  },
  "location": {
    "ellipse": {
      "center": {
        "latitude": 38,
        "longitude": -122
      },
      "majorAxis": 20,
      "minorAxis": 20,
      "orientation": 0
    },
    "elevation": {
      "height": 10.0,
      "heightType": "AGL",
      "verticalUncertainty": 10.0
    },
    "indoorDeployment": 2
  },
  "inquiredFrequencyRange": [
    {
      "lowFrequency": 5945,
      "highFrequency": 6875
    }
  ],
  "inquiredChannels": [
    {
      "globalOperatingClass": 131
    }
  ]
}
```

```
    }
  ],
  "vendorExtensions": [
    {
      "extensionId": "CiscoApInfo",
      "parameters": {
        "version": "1.4",
        "PID": "CW9177E"
      }
    }
  ]
}
],
"vendorExtensions": [
  {
    "extensionId": "CiscoInfo",
    "parameters": {
      "version": "1.4",
      "source": "Cloud",
      "identity": 1003
    }
  }
]
}
}
```

##### 2026-04-27T07:50:00Z #####

```
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
```

```
        "highFrequency": 5965,
        "lowFrequency": 5945
    },
    "maxPsd": 8.0
},
{
    "frequencyRange": {
        "highFrequency": 5985,
        "lowFrequency": 5965
    },
    "maxPsd": 14.8
},
{
    "frequencyRange": {
        "highFrequency": 6005,
        "lowFrequency": 5985
    },
    "maxPsd": 9.9
},
{
    "frequencyRange": {
        "highFrequency": 6025,
        "lowFrequency": 6005
    },
    "maxPsd": 14.6
},
{
    "frequencyRange": {
        "highFrequency": 6045,
        "lowFrequency": 6025
    },
    "maxPsd": 12.5
},
{
    "frequencyRange": {
        "highFrequency": 6065,
        "lowFrequency": 6045
```

```
    },
    "maxPsd": 8.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6085,
      "lowFrequency": 6065
    },
    "maxPsd": 15.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6105,
      "lowFrequency": 6085
    },
    "maxPsd": 8.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6125,
      "lowFrequency": 6105
    },
    "maxPsd": 16.4
  },
  {
    "frequencyRange": {
      "highFrequency": 6145,
      "lowFrequency": 6125
    },
    "maxPsd": 17.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6165,
      "lowFrequency": 6145
    },
    "maxPsd": 18.7
  }
```

```
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6185,  
        "lowFrequency": 6165  
      },  
      "maxPsd": 16.4  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6205,  
        "lowFrequency": 6185  
      },  
      "maxPsd": 20.0  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6225,  
        "lowFrequency": 6205  
      },  
      "maxPsd": 20.2  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6245,  
        "lowFrequency": 6225  
      },  
      "maxPsd": 15.9  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6265,  
        "lowFrequency": 6245  
      },  
      "maxPsd": 13.7  
    },  
    {
```

```
        "frequencyRange": {
            "highFrequency": 6285,
            "lowFrequency": 6265
        },
        "maxPsd": 8.7
    },
    {
        "frequencyRange": {
            "highFrequency": 6305,
            "lowFrequency": 6285
        },
        "maxPsd": 14.9
    },
    {
        "frequencyRange": {
            "highFrequency": 6325,
            "lowFrequency": 6305
        },
        "maxPsd": 8.5
    },
    {
        "frequencyRange": {
            "highFrequency": 6345,
            "lowFrequency": 6325
        },
        "maxPsd": 11.9
    }
],
"requestId": "114665208144416",
"availabilityExpireTime": "2026-04-28T07:50:00Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

##### 2026-04-27T07:50:00Z #####

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.159.133",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "761",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "114665208144416",
        "deviceDescriptor": {
          "serialNumber": "Q5BS-AZJ4-3RUF",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "UDX-CW9177E"
            }
          ]
        }
      }
    ],
    "location": {
      "ellipse": {
        "center": {
          "latitude": 38,
          "longitude": -122
        },
        "majorAxis": 20,
        "minorAxis": 20,
        "orientation": 0
      },
      "elevation": {
        "height": 10.0,

```

```
        "heightType": "AGL",
        "verticalUncertainty": 10.0
    },
    "indoorDeployment": 2
},
"inquiredFrequencyRange": [
    {
        "lowFrequency": 5945,
        "highFrequency": 6875
    }
],
"inquiredChannels": [
    {
        "globalOperatingClass": 131
    }
],
"vendorExtensions": [
    {
        "extensionId": "CiscoApInfo",
        "parameters": {
            "version": "1.4",
            "PID": "CW9177E"
        }
    }
]
},
"vendorExtensions": [
    {
        "extensionId": "CiscoInfo",
        "parameters": {
            "version": "1.4",
            "source": "Cloud",
            "identity": 1003
        }
    }
]
```

```
}
}

##### 2026-04-27T07:50:01Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 8.0
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 14.8
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
            "lowFrequency": 5985
          },
          "maxPsd": 9.9
        },
        {
          "frequencyRange": {
            "highFrequency": 6025,
            "lowFrequency": 6005
          }
        }
      ]
    }
  ]
}
```

```
    },
    "maxPsd": 14.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6045,
      "lowFrequency": 6025
    },
    "maxPsd": 12.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6065,
      "lowFrequency": 6045
    },
    "maxPsd": 8.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6085,
      "lowFrequency": 6065
    },
    "maxPsd": 15.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6105,
      "lowFrequency": 6085
    },
    "maxPsd": 8.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6125,
      "lowFrequency": 6105
    },
    "maxPsd": 16.4
  }
```

```
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6145,  
        "lowFrequency": 6125  
      },  
      "maxPsd": 17.6  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6165,  
        "lowFrequency": 6145  
      },  
      "maxPsd": 18.7  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6185,  
        "lowFrequency": 6165  
      },  
      "maxPsd": 16.4  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6205,  
        "lowFrequency": 6185  
      },  
      "maxPsd": 20.0  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6225,  
        "lowFrequency": 6205  
      },  
      "maxPsd": 20.2  
    },  
    {
```

```
"frequencyRange": {
  "highFrequency": 6245,
  "lowFrequency": 6225
},
"maxPsd": 15.9
},
{
  "frequencyRange": {
    "highFrequency": 6265,
    "lowFrequency": 6245
  },
  "maxPsd": 13.7
},
{
  "frequencyRange": {
    "highFrequency": 6285,
    "lowFrequency": 6265
  },
  "maxPsd": 8.7
},
{
  "frequencyRange": {
    "highFrequency": 6305,
    "lowFrequency": 6285
  },
  "maxPsd": 14.9
},
{
  "frequencyRange": {
    "highFrequency": 6325,
    "lowFrequency": 6305
  },
  "maxPsd": 8.5
},
{
  "frequencyRange": {
    "highFrequency": 6345,
```

```
        "lowFrequency": 6325
      },
      "maxPsd": 11.9
    }
  ],
  "requestId": "114665208144416",
  "availabilityExpireTime": "2026-04-28T07:50:00Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

**CT\_AFC\_SP\_AP\_AFCDUUAU34\_Frequency\_10617\_1**

##### 2026-04-27T08:22:56Z #####

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "curl/7.68.0",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.159.133",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "761",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "114665208144416",
        "deviceDescriptor": {
          "serialNumber": "Q5BS-AZJ4-3RUF",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "UDX-CW9177E"
            }
          ]
        }
      }
    ],
    "location": {
      "ellipse": {
        "center": {
          "latitude": 38,
          "longitude": -122
        },
        "majorAxis": 20,
        "minorAxis": 20,
        "orientation": 0
      }
    }
  }
}
```

```
    },
    "elevation": {
      "height": 10.0,
      "heightType": "AGL",
      "verticalUncertainty": 10.0
    },
    "indoorDeployment": 2
  },
  "inquiredFrequencyRange": [
    {
      "lowFrequency": 5945,
      "highFrequency": 6875
    }
  ],
  "inquiredChannels": [
    {
      "globalOperatingClass": 131
    }
  ],
  "vendorExtensions": [
    {
      "extensionId": "CiscoApInfo",
      "parameters": {
        "version": "1.4",
        "PID": "CW9177E"
      }
    }
  ]
},
"vendorExtensions": [
  {
    "extensionId": "CiscoInfo",
    "parameters": {
      "version": "1.4",
      "source": "Cloud",
      "identity": 1003
    }
  }
]
```

```
    }
  }
]
}
}

##### 2026-04-27T08:22:57Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 23
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 23
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
            "lowFrequency": 5985
          },
          "maxPsd": 23
        }
      ]
    }
  ]
}
```

```
"frequencyRange": {
  "highFrequency": 6025,
  "lowFrequency": 6005
},
"maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6045,
    "lowFrequency": 6025
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6065,
    "lowFrequency": 6045
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6085,
    "lowFrequency": 6065
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6105,
    "lowFrequency": 6085
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6125,
```

```
        "lowFrequency": 6105
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6145,
        "lowFrequency": 6125
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6165,
        "lowFrequency": 6145
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6185,
        "lowFrequency": 6165
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6205,
        "lowFrequency": 6185
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6245,
        "lowFrequency": 6225
      },

```

```
"maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6265,
    "lowFrequency": 6245
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6285,
    "lowFrequency": 6265
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6305,
    "lowFrequency": 6285
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6325,
    "lowFrequency": 6305
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6345,
    "lowFrequency": 6325
  },
  "maxPsd": 23
},
}
```

```
{
  "frequencyRange": {
    "highFrequency": 6365,
    "lowFrequency": 6345
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6385,
    "lowFrequency": 6365
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6405,
    "lowFrequency": 6385
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6425,
    "lowFrequency": 6405
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6545,
    "lowFrequency": 6525
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
```

```
        "highFrequency": 6565,
        "lowFrequency": 6545
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6585,
        "lowFrequency": 6565
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6605,
        "lowFrequency": 6585
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6625,
        "lowFrequency": 6605
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6645,
        "lowFrequency": 6625
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6665,
        "lowFrequency": 6645
```

```
    },
    "maxPsd": 23
  },
  {
    "frequencyRange": {
      "highFrequency": 6685,
      "lowFrequency": 6665
    },
    "maxPsd": 23
  },
  {
    "frequencyRange": {
      "highFrequency": 6705,
      "lowFrequency": 6685
    },
    "maxPsd": 23
  },
  {
    "frequencyRange": {
      "highFrequency": 6725,
      "lowFrequency": 6705
    },
    "maxPsd": 23
  },
  {
    "frequencyRange": {
      "highFrequency": 6745,
      "lowFrequency": 6725
    },
    "maxPsd": 23
  },
  {
    "frequencyRange": {
      "highFrequency": 6765,
      "lowFrequency": 6745
    },
    "maxPsd": 23
  }
```

```
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6785,  
        "lowFrequency": 6765  
      },  
      "maxPsd": 23  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6805,  
        "lowFrequency": 6785  
      },  
      "maxPsd": 23  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6825,  
        "lowFrequency": 6805  
      },  
      "maxPsd": 23  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6845,  
        "lowFrequency": 6825  
      },  
      "maxPsd": 23  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6865,  
        "lowFrequency": 6845  
      },  
      "maxPsd": 23  
    }  
  ],
```

```
"requestId": "114665208144416",
"availabilityExpireTime": "2026-04-28T08:22:57Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

##### 2026-04-27T08:22:57Z #####

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.159.133",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "761",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "114665208144416",
        "deviceDescriptor": {
          "serialNumber": "Q5BS-AZJ4-3RUF",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "UDX-CW9177E"
            }
          ]
        }
      }
    ],
    "location": {
      "ellipse": {
        "center": {
```

```
        "latitude": 38,
        "longitude": -122
    },
    "majorAxis": 20,
    "minorAxis": 20,
    "orientation": 0
},
"elevation": {
    "height": 10.0,
    "heightType": "AGL",
    "verticalUncertainty": 10.0
},
"indoorDeployment": 2
},
"inquiredFrequencyRange": [
    {
        "lowFrequency": 5945,
        "highFrequency": 6875
    }
],
"inquiredChannels": [
    {
        "globalOperatingClass": 131
    }
],
"vendorExtensions": [
    {
        "extensionId": "CiscoApInfo",
        "parameters": {
            "version": "1.4",
            "PID": "CW9177E"
        }
    }
]
}
],
"vendorExtensions": [
```

```
{
  "extensionId": "CiscoInfo",
  "parameters": {
    "version": "1.4",
    "source": "Cloud",
    "identity": 1003
  }
}
]
}
}

##### 2026-04-27T08:22:58Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 23
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 23
        },
        {
          "frequencyRange": {
```

```
        "highFrequency": 6005,
        "lowFrequency": 5985
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6025,
        "lowFrequency": 6005
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6045,
        "lowFrequency": 6025
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6065,
        "lowFrequency": 6045
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6085,
        "lowFrequency": 6065
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6105,
        "lowFrequency": 6085
```

```
    },
    "maxPsd": 23
  },
  {
    "frequencyRange": {
      "highFrequency": 6125,
      "lowFrequency": 6105
    },
    "maxPsd": 23
  },
  {
    "frequencyRange": {
      "highFrequency": 6145,
      "lowFrequency": 6125
    },
    "maxPsd": 23
  },
  {
    "frequencyRange": {
      "highFrequency": 6165,
      "lowFrequency": 6145
    },
    "maxPsd": 23
  },
  {
    "frequencyRange": {
      "highFrequency": 6185,
      "lowFrequency": 6165
    },
    "maxPsd": 23
  },
  {
    "frequencyRange": {
      "highFrequency": 6205,
      "lowFrequency": 6185
    },
    "maxPsd": 23
  }
```

```
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6245,  
        "lowFrequency": 6225  
      },  
      "maxPsd": 23  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6265,  
        "lowFrequency": 6245  
      },  
      "maxPsd": 23  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6285,  
        "lowFrequency": 6265  
      },  
      "maxPsd": 23  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6305,  
        "lowFrequency": 6285  
      },  
      "maxPsd": 23  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6325,  
        "lowFrequency": 6305  
      },  
      "maxPsd": 23  
    },  
    {
```

```
"frequencyRange": {
  "highFrequency": 6345,
  "lowFrequency": 6325
},
"maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6365,
    "lowFrequency": 6345
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6385,
    "lowFrequency": 6365
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6405,
    "lowFrequency": 6385
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6425,
    "lowFrequency": 6405
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6545,
```

```
        "lowFrequency": 6525
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6565,
        "lowFrequency": 6545
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6585,
        "lowFrequency": 6565
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6605,
        "lowFrequency": 6585
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6625,
        "lowFrequency": 6605
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6645,
        "lowFrequency": 6625
      },

```

```
"maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6665,
    "lowFrequency": 6645
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6685,
    "lowFrequency": 6665
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6705,
    "lowFrequency": 6685
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6725,
    "lowFrequency": 6705
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6745,
    "lowFrequency": 6725
  },
  "maxPsd": 23
},
}
```

```
{
  "frequencyRange": {
    "highFrequency": 6765,
    "lowFrequency": 6745
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6785,
    "lowFrequency": 6765
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6805,
    "lowFrequency": 6785
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6825,
    "lowFrequency": 6805
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6845,
    "lowFrequency": 6825
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
```

```
        "highFrequency": 6865,
        "lowFrequency": 6845
      },
      "maxPsd": 23
    }
  ],
  "requestId": "114665208144416",
  "availabilityExpireTime": "2026-04-28T08:22:58Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

##### 2026-04-27T08:30:52Z #####

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "curl/7.68.0",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.159.133",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "761",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "114665208144416",
        "deviceDescriptor": {
          "serialNumber": "Q5BS-AZJ4-3RUF",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",

```

```
        "id": "UDX-CW9177E"
      }
    ]
  },
  "location": {
    "ellipse": {
      "center": {
        "latitude": 38,
        "longitude": -122
      },
      "majorAxis": 20,
      "minorAxis": 20,
      "orientation": 0
    },
    "elevation": {
      "height": 10.0,
      "heightType": "AGL",
      "verticalUncertainty": 10.0
    },
    "indoorDeployment": 2
  },
  "inquiredFrequencyRange": [
    {
      "lowFrequency": 5945,
      "highFrequency": 6875
    }
  ],
  "inquiredChannels": [
    {
      "globalOperatingClass": 131
    }
  ],
  "vendorExtensions": [
    {
      "extensionId": "CiscoApInfo",
      "parameters": {
        "version": "1.4",
```

```
        "PID": "CW9177E"
      }
    }
  ]
}
],
"vendorExtensions": [
  {
    "extensionId": "CiscoInfo",
    "parameters": {
      "version": "1.4",
      "source": "Cloud",
      "identity": 1003
    }
  }
]
}
}

##### 2026-04-27T08:30:52Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [],
      "requestId": "114665208144416",
      "availabilityExpireTime": "2026-04-28T08:30:52Z",
      "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
    }
  ],
  "version": "1.4"
}
```

```
##### 2026-04-27T08:30:53Z #####
```

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.159.133",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "761",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "114665208144416",
        "deviceDescriptor": {
          "serialNumber": "Q5BS-AZJ4-3RUF",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "UDX-CW9177E"
            }
          ]
        }
      }
    ],
    "location": {
      "ellipse": {
        "center": {
          "latitude": 38,
          "longitude": -122
        },
        "majorAxis": 20,
        "minorAxis": 20,
        "orientation": 0
      },
      "elevation": {
        "height": 10.0,

```

```
        "heightType": "AGL",
        "verticalUncertainty": 10.0
    },
    "indoorDeployment": 2
},
"inquiredFrequencyRange": [
    {
        "lowFrequency": 5945,
        "highFrequency": 6875
    }
],
"inquiredChannels": [
    {
        "globalOperatingClass": 131
    }
],
"vendorExtensions": [
    {
        "extensionId": "CiscoApInfo",
        "parameters": {
            "version": "1.4",
            "PID": "CW9177E"
        }
    }
]
},
"vendorExtensions": [
    {
        "extensionId": "CiscoInfo",
        "parameters": {
            "version": "1.4",
            "source": "Cloud",
            "identity": 1003
        }
    }
]
```

```
}
}

##### 2026-04-27T08:30:53Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [],
      "requestId": "114665208144416",
      "availabilityExpireTime": "2026-04-28T08:30:53Z",
      "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
    }
  ],
  "version": "1.4"
}
```

**CT\_AFC\_SP\_AP\_AFCDRSA31\_Frequency\_320MHz\_10713\_1**

##### 2026-07-15T07:29:20Z #####

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "curl/7.68.0",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.159.133",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "761",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "114665208144416",
        "deviceDescriptor": {
          "serialNumber": "Q5BS-AZJ4-3RUF",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "UDX-CW9177E"
            }
          ]
        }
      },
      {
        "location": {
          "ellipse": {
            "center": {
              "latitude": 38,
              "longitude": -122
            },
            "majorAxis": 20,
            "minorAxis": 20,
            "orientation": 0
          }
        }
      }
    ]
  }
}
```

```
    },
    "elevation": {
      "height": 10.0,
      "heightType": "AGL",
      "verticalUncertainty": 10.0
    },
    "indoorDeployment": 2
  },
  "inquiredFrequencyRange": [
    {
      "lowFrequency": 5945,
      "highFrequency": 6875
    }
  ],
  "inquiredChannels": [
    {
      "globalOperatingClass": 131
    }
  ],
  "vendorExtensions": [
    {
      "extensionId": "CiscoApInfo",
      "parameters": {
        "version": "1.4",
        "PID": "CW9177E"
      }
    }
  ]
},
"vendorExtensions": [
  {
    "extensionId": "CiscoInfo",
    "parameters": {
      "version": "1.4",
      "source": "Cloud",
      "identity": 1003
    }
  }
]
```

```
    }
  }
]
}
}

##### 2026-07-15T07:29:20Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 6125,
            "lowFrequency": 6105
          },
          "maxPsd": 18.2
        },
        {
          "frequencyRange": {
            "highFrequency": 6145,
            "lowFrequency": 6125
          },
          "maxPsd": 6.1
        },
        {
          "frequencyRange": {
            "highFrequency": 6165,
            "lowFrequency": 6145
          },
          "maxPsd": 12.3
        }
      ]
    }
  ]
}
```

```
"frequencyRange": {
  "highFrequency": 6185,
  "lowFrequency": 6165
},
"maxPsd": 22.5
},
{
  "frequencyRange": {
    "highFrequency": 6205,
    "lowFrequency": 6185
  },
  "maxPsd": 9.5
},
{
  "frequencyRange": {
    "highFrequency": 6225,
    "lowFrequency": 6205
  },
  "maxPsd": 15.0
},
{
  "frequencyRange": {
    "highFrequency": 6245,
    "lowFrequency": 6225
  },
  "maxPsd": 20.9
},
{
  "frequencyRange": {
    "highFrequency": 6265,
    "lowFrequency": 6245
  },
  "maxPsd": 14.7
},
{
  "frequencyRange": {
    "highFrequency": 6285,
```

```
        "lowFrequency": 6265
      },
      "maxPsd": 12.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6305,
        "lowFrequency": 6285
      },
      "maxPsd": 9.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6325,
        "lowFrequency": 6305
      },
      "maxPsd": 10.2
    },
    {
      "frequencyRange": {
        "highFrequency": 6345,
        "lowFrequency": 6325
      },
      "maxPsd": 15.8
    },
    {
      "frequencyRange": {
        "highFrequency": 6365,
        "lowFrequency": 6345
      },
      "maxPsd": 16.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6385,
        "lowFrequency": 6365
      },
    },
```

```
        "maxPsd": 15.8
      },
      {
        "frequencyRange": {
          "highFrequency": 6405,
          "lowFrequency": 6385
        },
        "maxPsd": 8.8
      },
      {
        "frequencyRange": {
          "highFrequency": 6425,
          "lowFrequency": 6405
        },
        "maxPsd": 18.9
      }
    ],
    "requestId": "114665208144416",
    "availabilityExpireTime": "2026-07-16T07:29:20Z",
    "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
  }
],
"version": "1.4"
}
```

##### 2026-07-15T07:29:21Z #####

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.159.133",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "761",
    "Connection": "Keep-Alive"
  },

```

```
"body": {
  "version": "1.4",
  "availableSpectrumInquiryRequests": [
    {
      "requestId": "114665208144416",
      "deviceDescriptor": {
        "serialNumber": "Q5BS-AZJ4-3RUF",
        "certificationId": [
          {
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
            "id": "UDX-CW9177E"
          }
        ]
      },
      "location": {
        "ellipse": {
          "center": {
            "latitude": 38,
            "longitude": -122
          },
          "majorAxis": 20,
          "minorAxis": 20,
          "orientation": 0
        },
        "elevation": {
          "height": 10.0,
          "heightType": "AGL",
          "verticalUncertainty": 10.0
        },
        "indoorDeployment": 2
      },
      "inquiredFrequencyRange": [
        {
          "lowFrequency": 5945,
          "highFrequency": 6875
        }
      ]
    }
  ]
}
```

```
"inquiredChannels": [
  {
    "globalOperatingClass": 131
  }
],
"vendorExtensions": [
  {
    "extensionId": "CiscoApInfo",
    "parameters": {
      "version": "1.4",
      "PID": "CW9177E"
    }
  }
]
}
],
"vendorExtensions": [
  {
    "extensionId": "CiscoInfo",
    "parameters": {
      "version": "1.4",
      "source": "Cloud",
      "identity": 1003
    }
  }
]
}
}
```

##### 2026-07-15T07:29:21Z #####

```
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
    },
  ],
}
```

```
"availableFrequencyInfo": [  
  {  
    "frequencyRange": {  
      "highFrequency": 6125,  
      "lowFrequency": 6105  
    },  
    "maxPsd": 18.2  
  },  
  {  
    "frequencyRange": {  
      "highFrequency": 6145,  
      "lowFrequency": 6125  
    },  
    "maxPsd": 6.1  
  },  
  {  
    "frequencyRange": {  
      "highFrequency": 6165,  
      "lowFrequency": 6145  
    },  
    "maxPsd": 12.3  
  },  
  {  
    "frequencyRange": {  
      "highFrequency": 6185,  
      "lowFrequency": 6165  
    },  
    "maxPsd": 22.5  
  },  
  {  
    "frequencyRange": {  
      "highFrequency": 6205,  
      "lowFrequency": 6185  
    },  
    "maxPsd": 9.5  
  },  
  {  

```

```
"frequencyRange": {
  "highFrequency": 6225,
  "lowFrequency": 6205
},
"maxPsd": 15.0
},
{
  "frequencyRange": {
    "highFrequency": 6245,
    "lowFrequency": 6225
  },
  "maxPsd": 20.9
},
{
  "frequencyRange": {
    "highFrequency": 6265,
    "lowFrequency": 6245
  },
  "maxPsd": 14.7
},
{
  "frequencyRange": {
    "highFrequency": 6285,
    "lowFrequency": 6265
  },
  "maxPsd": 12.1
},
{
  "frequencyRange": {
    "highFrequency": 6305,
    "lowFrequency": 6285
  },
  "maxPsd": 9.3
},
{
  "frequencyRange": {
    "highFrequency": 6325,
```

```
        "lowFrequency": 6305
      },
      "maxPsd": 10.2
    },
    {
      "frequencyRange": {
        "highFrequency": 6345,
        "lowFrequency": 6325
      },
      "maxPsd": 15.8
    },
    {
      "frequencyRange": {
        "highFrequency": 6365,
        "lowFrequency": 6345
      },
      "maxPsd": 16.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6385,
        "lowFrequency": 6365
      },
      "maxPsd": 15.8
    },
    {
      "frequencyRange": {
        "highFrequency": 6405,
        "lowFrequency": 6385
      },
      "maxPsd": 8.8
    },
    {
      "frequencyRange": {
        "highFrequency": 6425,
        "lowFrequency": 6405
      },
    },
```

```
        "maxPsd": 18.9
      }
    ],
    "requestId": "114665208144416",
    "availabilityExpireTime": "2026-07-16T07:29:21Z",
    "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
  }
],
"version": "1.4"
}

##### 2026-07-15T07:32:10Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "curl/7.68.0",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.159.133",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "761",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "114665208144416",
        "deviceDescriptor": {
          "serialNumber": "Q5BS-AZJ4-3RUF",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "UDX-CW9177E"
            }
          ]
        }
      }
    ]
  }
}
```

```
    },
    "location": {
      "ellipse": {
        "center": {
          "latitude": 38,
          "longitude": -122
        },
        "majorAxis": 20,
        "minorAxis": 20,
        "orientation": 0
      },
      "elevation": {
        "height": 10.0,
        "heightType": "AGL",
        "verticalUncertainty": 10.0
      },
      "indoorDeployment": 2
    },
    "inquiredFrequencyRange": [
      {
        "lowFrequency": 5945,
        "highFrequency": 6875
      }
    ],
    "inquiredChannels": [
      {
        "globalOperatingClass": 131
      }
    ],
    "vendorExtensions": [
      {
        "extensionId": "CiscoApInfo",
        "parameters": {
          "version": "1.4",
          "PID": "CW9177E"
        }
      }
    ]
  }
```

```
    ]
  }
],
"vendorExtensions": [
  {
    "extensionId": "CiscoInfo",
    "parameters": {
      "version": "1.4",
      "source": "Cloud",
      "identity": 1003
    }
  }
]
}
}

##### 2026-07-15T07:32:10Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 6.1
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          }
        }
      ]
    }
  ]
}
```

```
"maxPsd": -0.4
},
{
  "frequencyRange": {
    "highFrequency": 6005,
    "lowFrequency": 5985
  },
  "maxPsd": 8.0
},
{
  "frequencyRange": {
    "highFrequency": 6025,
    "lowFrequency": 6005
  },
  "maxPsd": 6.0
},
{
  "frequencyRange": {
    "highFrequency": 6045,
    "lowFrequency": 6025
  },
  "maxPsd": 12.8
},
{
  "frequencyRange": {
    "highFrequency": 6065,
    "lowFrequency": 6045
  },
  "maxPsd": 4.1
},
{
  "frequencyRange": {
    "highFrequency": 6085,
    "lowFrequency": 6065
  },
  "maxPsd": 3.3
},
}
```

```
{
  "frequencyRange": {
    "highFrequency": 6105,
    "lowFrequency": 6085
  },
  "maxPsd": 7.7
},
{
  "frequencyRange": {
    "highFrequency": 6125,
    "lowFrequency": 6105
  },
  "maxPsd": 7.3
},
{
  "frequencyRange": {
    "highFrequency": 6145,
    "lowFrequency": 6125
  },
  "maxPsd": 8.5
},
{
  "frequencyRange": {
    "highFrequency": 6165,
    "lowFrequency": 6145
  },
  "maxPsd": 6.7
},
{
  "frequencyRange": {
    "highFrequency": 6185,
    "lowFrequency": 6165
  },
  "maxPsd": 6.5
},
{
  "frequencyRange": {
```

```
        "highFrequency": 6205,
        "lowFrequency": 6185
      },
      "maxPsd": 5.4
    },
    {
      "frequencyRange": {
        "highFrequency": 6225,
        "lowFrequency": 6205
      },
      "maxPsd": 13.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6245,
        "lowFrequency": 6225
      },
      "maxPsd": 6.4
    },
    {
      "frequencyRange": {
        "highFrequency": 6265,
        "lowFrequency": 6245
      },
      "maxPsd": 4.1
    }
  ],
  "requestId": "114665208144416",
  "availabilityExpireTime": "2026-07-16T07:32:10Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}

],
"version": "1.4"
}
```

```
##### 2026-07-15T07:32:11Z #####
{
```

```
"headers": {
  "Host": "testserver.wfatestorg.org",
  "Accept": "*/*",
  "Content-Type": "application/json",
  "X-Forwarded-For": "158.115.159.133",
  "X-Forwarded-Host": "testserver.wfatestorg.org",
  "X-Forwarded-Server": "testserver.wfatestorg.org",
  "Content-Length": "761",
  "Connection": "Keep-Alive"
},
"body": {
  "version": "1.4",
  "availableSpectrumInquiryRequests": [
    {
      "requestId": "114665208144416",
      "deviceDescriptor": {
        "serialNumber": "Q5BS-AZJ4-3RUF",
        "certificationId": [
          {
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
            "id": "UDX-CW9177E"
          }
        ]
      }
    }
  ],
  "location": {
    "ellipse": {
      "center": {
        "latitude": 38,
        "longitude": -122
      },
      "majorAxis": 20,
      "minorAxis": 20,
      "orientation": 0
    },
    "elevation": {
      "height": 10.0,
      "heightType": "AGL",
```

```
        "verticalUncertainty": 10.0
      },
      "indoorDeployment": 2
    },
    "inquiredFrequencyRange": [
      {
        "lowFrequency": 5945,
        "highFrequency": 6875
      }
    ],
    "inquiredChannels": [
      {
        "globalOperatingClass": 131
      }
    ],
    "vendorExtensions": [
      {
        "extensionId": "CiscoApInfo",
        "parameters": {
          "version": "1.4",
          "PID": "CW9177E"
        }
      }
    ]
  },
  "vendorExtensions": [
    {
      "extensionId": "CiscoInfo",
      "parameters": {
        "version": "1.4",
        "source": "Cloud",
        "identity": 1003
      }
    }
  ]
}
```

```
}

##### 2026-07-15T07:32:11Z #####

{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 6.1
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": -0.4
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
            "lowFrequency": 5985
          },
          "maxPsd": 8.0
        },
        {
          "frequencyRange": {
            "highFrequency": 6025,
            "lowFrequency": 6005
          },

```

```
"maxPsd": 6.0
},
{
  "frequencyRange": {
    "highFrequency": 6045,
    "lowFrequency": 6025
  },
  "maxPsd": 12.8
},
{
  "frequencyRange": {
    "highFrequency": 6065,
    "lowFrequency": 6045
  },
  "maxPsd": 4.1
},
{
  "frequencyRange": {
    "highFrequency": 6085,
    "lowFrequency": 6065
  },
  "maxPsd": 3.3
},
{
  "frequencyRange": {
    "highFrequency": 6105,
    "lowFrequency": 6085
  },
  "maxPsd": 7.7
},
{
  "frequencyRange": {
    "highFrequency": 6125,
    "lowFrequency": 6105
  },
  "maxPsd": 7.3
},
},
```

```
{
  "frequencyRange": {
    "highFrequency": 6145,
    "lowFrequency": 6125
  },
  "maxPsd": 8.5
},
{
  "frequencyRange": {
    "highFrequency": 6165,
    "lowFrequency": 6145
  },
  "maxPsd": 6.7
},
{
  "frequencyRange": {
    "highFrequency": 6185,
    "lowFrequency": 6165
  },
  "maxPsd": 6.5
},
{
  "frequencyRange": {
    "highFrequency": 6205,
    "lowFrequency": 6185
  },
  "maxPsd": 5.4
},
{
  "frequencyRange": {
    "highFrequency": 6225,
    "lowFrequency": 6205
  },
  "maxPsd": 13.1
},
{
  "frequencyRange": {
```

```
        "highFrequency": 6245,
        "lowFrequency": 6225
      },
      "maxPsd": 6.4
    },
    {
      "frequencyRange": {
        "highFrequency": 6265,
        "lowFrequency": 6245
      },
      "maxPsd": 4.1
    }
  ],
  "requestId": "114665208144416",
  "availabilityExpireTime": "2026-07-16T07:32:11Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}

],
"version": "1.4"
}

##### 2026-07-15T07:44:01Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "curl/7.68.0",
    "Accept": "/*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.159.133",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "761",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
```

```
{
  "requestId": "114665208144416",
  "deviceDescriptor": {
    "serialNumber": "Q5BS-AZJ4-3RUF",
    "certificationId": [
      {
        "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
        "id": "UDX-CW9177E"
      }
    ]
  },
  "location": {
    "ellipse": {
      "center": {
        "latitude": 38,
        "longitude": -122
      },
      "majorAxis": 20,
      "minorAxis": 20,
      "orientation": 0
    },
    "elevation": {
      "height": 10.0,
      "heightType": "AGL",
      "verticalUncertainty": 10.0
    },
    "indoorDeployment": 2
  },
  "inquiredFrequencyRange": [
    {
      "lowFrequency": 5945,
      "highFrequency": 6875
    }
  ],
  "inquiredChannels": [
    {
      "globalOperatingClass": 131
    }
  ]
}
```

```
    }
  ],
  "vendorExtensions": [
    {
      "extensionId": "CiscoApInfo",
      "parameters": {
        "version": "1.4",
        "PID": "CW9177E"
      }
    }
  ]
}
],
"vendorExtensions": [
  {
    "extensionId": "CiscoInfo",
    "parameters": {
      "version": "1.4",
      "source": "Cloud",
      "identity": 1003
    }
  }
]
}
}
```

##### 2026-07-15T07:44:01Z #####

```
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
```

```
        "highFrequency": 5965,
        "lowFrequency": 5945
    },
    "maxPsd": 6.1
},
{
    "frequencyRange": {
        "highFrequency": 5985,
        "lowFrequency": 5965
    },
    "maxPsd": -0.4
},
{
    "frequencyRange": {
        "highFrequency": 6005,
        "lowFrequency": 5985
    },
    "maxPsd": 8.0
},
{
    "frequencyRange": {
        "highFrequency": 6025,
        "lowFrequency": 6005
    },
    "maxPsd": 6.0
},
{
    "frequencyRange": {
        "highFrequency": 6045,
        "lowFrequency": 6025
    },
    "maxPsd": 12.8
},
{
    "frequencyRange": {
        "highFrequency": 6065,
        "lowFrequency": 6045
```

```
    },
    "maxPsd": 4.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6085,
      "lowFrequency": 6065
    },
    "maxPsd": 3.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6105,
      "lowFrequency": 6085
    },
    "maxPsd": 7.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6125,
      "lowFrequency": 6105
    },
    "maxPsd": 7.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6145,
      "lowFrequency": 6125
    },
    "maxPsd": 8.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6165,
      "lowFrequency": 6145
    },
    "maxPsd": 6.7
  }
```

```
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6185,  
        "lowFrequency": 6165  
      },  
      "maxPsd": 6.5  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6205,  
        "lowFrequency": 6185  
      },  
      "maxPsd": 5.4  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6225,  
        "lowFrequency": 6205  
      },  
      "maxPsd": 13.1  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6245,  
        "lowFrequency": 6225  
      },  
      "maxPsd": 6.4  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6265,  
        "lowFrequency": 6245  
      },  
      "maxPsd": 4.1  
    }  
  ],
```

```
        "requestId": "114665208144416",
        "availabilityExpireTime": "2026-07-16T07:44:01Z",
        "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
    }
},
"version": "1.4"
}
```

##### 2026-07-15T07:44:02Z #####

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.159.133",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "761",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "114665208144416",
        "deviceDescriptor": {
          "serialNumber": "Q5BS-AZJ4-3RUF",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "UDX-CW9177E"
            }
          ]
        }
      }
    ],
    "location": {
      "ellipse": {
        "center": {
```

```
        "latitude": 38,
        "longitude": -122
      },
      "majorAxis": 20,
      "minorAxis": 20,
      "orientation": 0
    },
    "elevation": {
      "height": 10.0,
      "heightType": "AGL",
      "verticalUncertainty": 10.0
    },
    "indoorDeployment": 2
  },
  "inquiredFrequencyRange": [
    {
      "lowFrequency": 5945,
      "highFrequency": 6875
    }
  ],
  "inquiredChannels": [
    {
      "globalOperatingClass": 131
    }
  ],
  "vendorExtensions": [
    {
      "extensionId": "CiscoApInfo",
      "parameters": {
        "version": "1.4",
        "PID": "CW9177E"
      }
    }
  ]
},
"vendorExtensions": [
```

```
{
  "extensionId": "CiscoInfo",
  "parameters": {
    "version": "1.4",
    "source": "Cloud",
    "identity": 1003
  }
}
]
}
}

##### 2026-07-15T07:44:02Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 6.1
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": -0.4
        },
        {
          "frequencyRange": {
```

```
        "highFrequency": 6005,
        "lowFrequency": 5985
    },
    "maxPsd": 8.0
},
{
    "frequencyRange": {
        "highFrequency": 6025,
        "lowFrequency": 6005
    },
    "maxPsd": 6.0
},
{
    "frequencyRange": {
        "highFrequency": 6045,
        "lowFrequency": 6025
    },
    "maxPsd": 12.8
},
{
    "frequencyRange": {
        "highFrequency": 6065,
        "lowFrequency": 6045
    },
    "maxPsd": 4.1
},
{
    "frequencyRange": {
        "highFrequency": 6085,
        "lowFrequency": 6065
    },
    "maxPsd": 3.3
},
{
    "frequencyRange": {
        "highFrequency": 6105,
        "lowFrequency": 6085
```

```
    },
    "maxPsd": 7.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6125,
      "lowFrequency": 6105
    },
    "maxPsd": 7.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6145,
      "lowFrequency": 6125
    },
    "maxPsd": 8.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6165,
      "lowFrequency": 6145
    },
    "maxPsd": 6.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6185,
      "lowFrequency": 6165
    },
    "maxPsd": 6.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6205,
      "lowFrequency": 6185
    },
    "maxPsd": 5.4
  }
```

```
    },
    {
      "frequencyRange": {
        "highFrequency": 6225,
        "lowFrequency": 6205
      },
      "maxPsd": 13.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6245,
        "lowFrequency": 6225
      },
      "maxPsd": 6.4
    },
    {
      "frequencyRange": {
        "highFrequency": 6265,
        "lowFrequency": 6245
      },
      "maxPsd": 4.1
    }
  ],
  "requestId": "114665208144416",
  "availabilityExpireTime": "2026-07-16T07:44:02Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}

],
"version": "1.4"
}
```

```
##### 2026-07-15T07:44:33Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "curl/7.68.0",
    "Accept": "*/*",
  }
}
```

```
"Content-Type": "application/json",
"X-Forwarded-For": "158.115.159.133",
"X-Forwarded-Host": "testserver.wfatestorg.org",
"X-Forwarded-Server": "testserver.wfatestorg.org",
"Content-Length": "761",
"Connection": "Keep-Alive"
},
"body": {
  "version": "1.4",
  "availableSpectrumInquiryRequests": [
    {
      "requestId": "114665208144416",
      "deviceDescriptor": {
        "serialNumber": "Q5BS-AZJ4-3RUF",
        "certificationId": [
          {
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
            "id": "UDX-CW9177E"
          }
        ]
      }
    }
  ],
  "location": {
    "ellipse": {
      "center": {
        "latitude": 38,
        "longitude": -122
      },
      "majorAxis": 20,
      "minorAxis": 20,
      "orientation": 0
    },
    "elevation": {
      "height": 10.0,
      "heightType": "AGL",
      "verticalUncertainty": 10.0
    }
  },
  "indoorDeployment": 2
}
```

```
    },
    "inquiredFrequencyRange": [
      {
        "lowFrequency": 5945,
        "highFrequency": 6875
      }
    ],
    "inquiredChannels": [
      {
        "globalOperatingClass": 131
      }
    ],
    "vendorExtensions": [
      {
        "extensionId": "CiscoApInfo",
        "parameters": {
          "version": "1.4",
          "PID": "CW9177E"
        }
      }
    ]
  },
  "vendorExtensions": [
    {
      "extensionId": "CiscoInfo",
      "parameters": {
        "version": "1.4",
        "source": "Cloud",
        "identity": 1003
      }
    }
  ]
}
```

##### 2026-07-15T07:44:33Z #####

```
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 6.1
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": -0.4
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
            "lowFrequency": 5985
          },
          "maxPsd": 8.0
        },
        {
          "frequencyRange": {
            "highFrequency": 6025,
            "lowFrequency": 6005
          },
          "maxPsd": 6.0
        },
        {

```

```
"frequencyRange": {
  "highFrequency": 6045,
  "lowFrequency": 6025
},
"maxPsd": 12.8
},
{
  "frequencyRange": {
    "highFrequency": 6065,
    "lowFrequency": 6045
  },
  "maxPsd": 4.1
},
{
  "frequencyRange": {
    "highFrequency": 6085,
    "lowFrequency": 6065
  },
  "maxPsd": 3.3
},
{
  "frequencyRange": {
    "highFrequency": 6105,
    "lowFrequency": 6085
  },
  "maxPsd": 7.7
},
{
  "frequencyRange": {
    "highFrequency": 6125,
    "lowFrequency": 6105
  },
  "maxPsd": 7.3
},
{
  "frequencyRange": {
    "highFrequency": 6145,
```

```
        "lowFrequency": 6125
      },
      "maxPsd": 8.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6165,
        "lowFrequency": 6145
      },
      "maxPsd": 6.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6185,
        "lowFrequency": 6165
      },
      "maxPsd": 6.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6205,
        "lowFrequency": 6185
      },
      "maxPsd": 5.4
    },
    {
      "frequencyRange": {
        "highFrequency": 6225,
        "lowFrequency": 6205
      },
      "maxPsd": 13.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6245,
        "lowFrequency": 6225
      },

```

```
        "maxPsd": 6.4
      },
      {
        "frequencyRange": {
          "highFrequency": 6265,
          "lowFrequency": 6245
        },
        "maxPsd": 4.1
      }
    ],
    "requestId": "114665208144416",
    "availabilityExpireTime": "2026-07-16T07:44:33Z",
    "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
  }
],
"version": "1.4"
}
```

##### 2026-07-15T07:44:34Z #####

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.159.133",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "761",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "114665208144416",
        "deviceDescriptor": {
          "serialNumber": "Q5BS-AZJ4-3RUF",
```

```
"certificationId": [  
  {  
    "rulesetId": "US_47_CFR_PART_15_SUBPART_E",  
    "id": "UDX-CW9177E"  
  }  
]  
,  
"location": {  
  "ellipse": {  
    "center": {  
      "latitude": 38,  
      "longitude": -122  
    },  
    "majorAxis": 20,  
    "minorAxis": 20,  
    "orientation": 0  
  },  
  "elevation": {  
    "height": 10.0,  
    "heightType": "AGL",  
    "verticalUncertainty": 10.0  
  },  
  "indoorDeployment": 2  
},  
"inquiredFrequencyRange": [  
  {  
    "lowFrequency": 5945,  
    "highFrequency": 6875  
  }  
],  
"inquiredChannels": [  
  {  
    "globalOperatingClass": 131  
  }  
],  
"vendorExtensions": [  
  {
```

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        "extensionId": "CiscoApInfo",
        "parameters": {
            "version": "1.4",
            "PID": "CW9177E"
        }
    }
]
}
],
"vendorExtensions": [
    {
        "extensionId": "CiscoInfo",
        "parameters": {
            "version": "1.4",
            "source": "Cloud",
            "identity": 1003
        }
    }
]
}
}

##### 2026-07-15T07:44:34Z #####
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
                "responseCode": 0,
                "shortDescription": "SUCCESS"
            },
            "availableFrequencyInfo": [
                {
                    "frequencyRange": {
                        "highFrequency": 5965,
                        "lowFrequency": 5945
                    },
                    "maxPsd": 6.1
                }
            ]
        }
    ]
}
```

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    },  
    {  
      "frequencyRange": {  
        "highFrequency": 5985,  
        "lowFrequency": 5965  
      },  
      "maxPsd": -0.4  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6005,  
        "lowFrequency": 5985  
      },  
      "maxPsd": 8.0  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6025,  
        "lowFrequency": 6005  
      },  
      "maxPsd": 6.0  
    },  
    {  
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        "lowFrequency": 6025  
      },  
      "maxPsd": 12.8  
    },  
    {  
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        "highFrequency": 6065,  
        "lowFrequency": 6045  
      },  
      "maxPsd": 4.1  
    },  
    {
```

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"frequencyRange": {
  "highFrequency": 6085,
  "lowFrequency": 6065
},
"maxPsd": 3.3
},
{
  "frequencyRange": {
    "highFrequency": 6105,
    "lowFrequency": 6085
  },
  "maxPsd": 7.7
},
{
  "frequencyRange": {
    "highFrequency": 6125,
    "lowFrequency": 6105
  },
  "maxPsd": 7.3
},
{
  "frequencyRange": {
    "highFrequency": 6145,
    "lowFrequency": 6125
  },
  "maxPsd": 8.5
},
{
  "frequencyRange": {
    "highFrequency": 6165,
    "lowFrequency": 6145
  },
  "maxPsd": 6.7
},
{
  "frequencyRange": {
    "highFrequency": 6185,
```

```
        "lowFrequency": 6165
      },
      "maxPsd": 6.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6205,
        "lowFrequency": 6185
      },
      "maxPsd": 5.4
    },
    {
      "frequencyRange": {
        "highFrequency": 6225,
        "lowFrequency": 6205
      },
      "maxPsd": 13.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6245,
        "lowFrequency": 6225
      },
      "maxPsd": 6.4
    },
    {
      "frequencyRange": {
        "highFrequency": 6265,
        "lowFrequency": 6245
      },
      "maxPsd": 4.1
    }
  ],
  "requestId": "114665208144416",
  "availabilityExpireTime": "2026-07-16T07:44:34Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
```



```
[,  
  "version": "1.4"  
]
```

**AFC capability - Inquired Frequency**
**AFCD.RSA: Successful registration and spectrum access request**

| Freq. (MHz) | Mode (LPI or SP) | Bandwidth (MHz) | Antenna Gain (dBi) | PSD (dBm/MHz) | EIRP PSD (dBm/MHz) | AFC Response Limit (dBm/MHz) | Result |
|-------------|------------------|-----------------|--------------------|---------------|--------------------|------------------------------|--------|
| 6695        | SP               | 20              | 6.10               | 4.67          | 10.77              | 17.00                        | Pass   |
| 6215        | SP               | 20              | 6.30               | -1.90         | 4.40               | 8.70                         | Pass   |
| 6605        | SP               | 40              | 6.10               | 0.31          | 6.41               | 16.60                        | Pass   |
| 5965        | SP               | 40              | 6.30               | -4.49         | 1.81               | 11.50                        | Pass   |
| 6625        | SP               | 80              | 6.10               | -2.45         | 3.65               | 8.50                         | Pass   |
| 6385        | SP               | 80              | 6.30               | -4.86         | 1.44               | 8.00                         | Pass   |
| 6025        | SP               | 160             | 6.30               | -8.21         | -1.91              | 10.00                        | Pass   |
| 6665        | SP               | 160             | 6.10               | -4.64         | 1.46               | 10.10                        | Pass   |
| 6265        | OFF*             | 320             | 6.30               | -             | -                  | 8.80                         | Pass   |
| 6105        | SP               | 320             | 6.30               | -8.71         | -2.41              | -0.40                        | Pass   |

Note: Operation mode "\*": The product only supports 320MHz Channel 31 (6105MHz). When the AFC response indicates that the Channel is unusable, the radio will be off.

**AFCD.SAU: Successful spectrum access update**

| Freq. (MHz) | Mode (LPI or SP) | Bandwidth (MHz) | Antenna Gain (dBi) | PSD (dBm/MHz) | EIRP PSD (dBm/MHz) | AFC Response Limit (dBm/MHz) | Result |
|-------------|------------------|-----------------|--------------------|---------------|--------------------|------------------------------|--------|
| 6375        | SP               | 20              | 6.30               | 2.72          | 9.02               | 19.40                        | Pass   |
| 5975        | SP               | 20              | 6.30               | -3.16         | 3.14               | 14.80                        | Pass   |

**AFCD.UAU: Unsuccessful spectrum access update**

| Freq. (MHz) | Mode (LPI or SP) | Bandwidth (MHz) | Antenna Gain (dBi) | PSD (dBm/MHz) | EIRP PSD (dBm/MHz) | AFC Response Limit (dBm/MHz) | Result |
|-------------|------------------|-----------------|--------------------|---------------|--------------------|------------------------------|--------|
| 6775        | SP               | 20              | 6.10               | 3.72          | 9.82               | 23.00                        | Pass   |

## AFC capability - Inquired Frequency

CT\_AFC\_SP\_AP\_AFCDRSA31\_Frequency\_20MHz\_10611\_1

Frequency (MHz): 6695

6.525-6.875GHz\_802.11be EHT20\_Nss1,(MCS0)\_1TX

PSD

6695MHz

27/04/2026

CF (Hz)  
6.695G

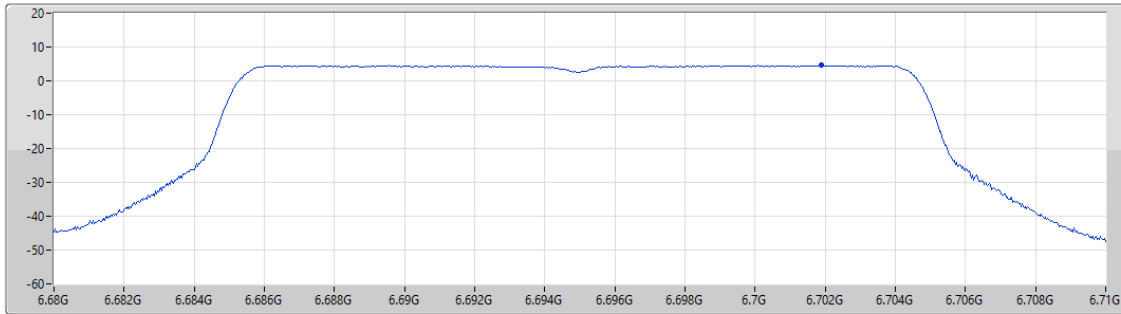
Span (Hz)  
30M

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) |
| 4.67     | 4.67     | 4.67     |

Frequency (MHz): 6215

5.925-6.425GHz\_802.11be EHT20\_Nss1,(MCS0)\_1TX

PSD

6215MHz

27/04/2026

CF (Hz)  
6.215G

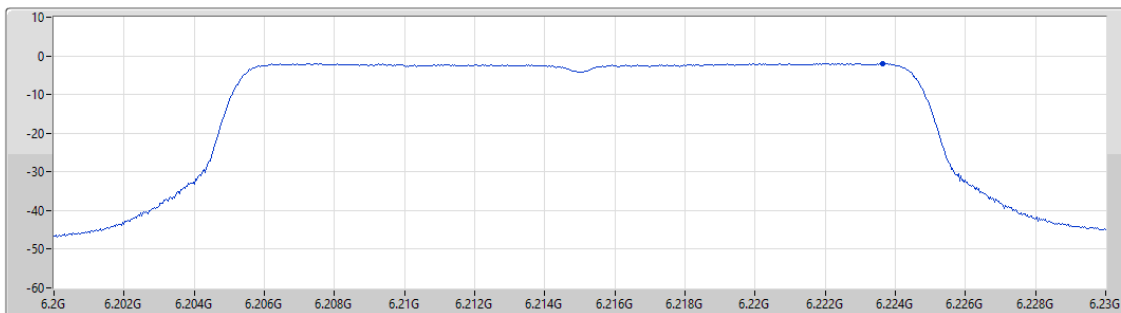
Span (Hz)  
30M

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) |
| -1.90    | -1.90    | -1.90    |

CT\_AFC\_SP\_AP\_AFCRSA31\_Frequency\_40MHz\_10612\_1

Frequency (MHz): 6605

6.525-6.875GHz\_802.11be EHT40\_Nss1,(MCS0)\_1TX

PSD

6605MHz

27/04/2026

CF (Hz)  
6.605G

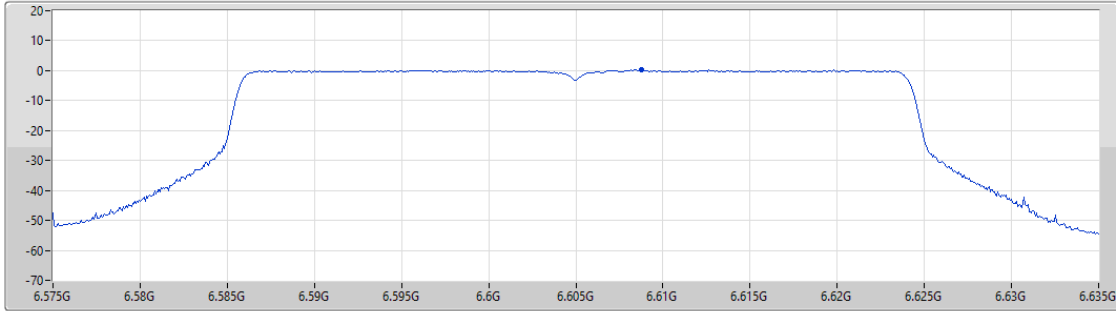
Span (Hz)  
60M

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) |
| 0.31     | 0.31     | 0.31     |

Frequency (MHz): 5965

5.925-6.425GHz\_802.11be EHT40\_Nss1,(MCS0)\_1TX

PSD

5965MHz

27/04/2026

CF (Hz)  
5.965G

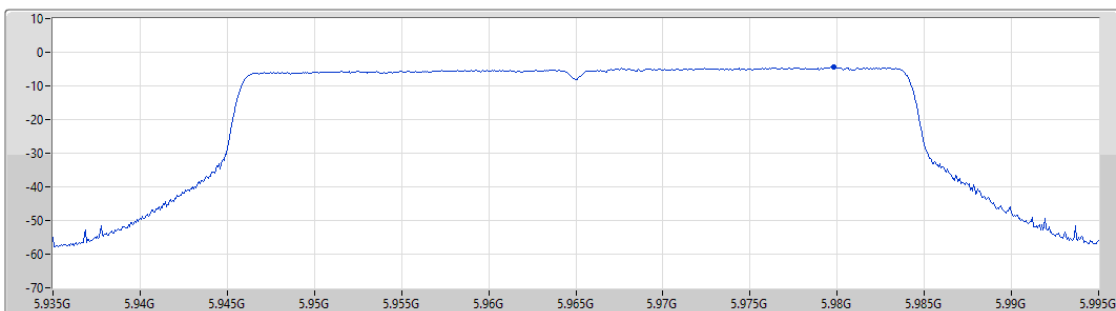
Span (Hz)  
60M

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) |
| -4.49    | -4.49    | -4.49    |

## CT\_AFC\_SP\_AP\_AFCRSA31\_Frequency\_80MHz\_10613\_1

Frequency (MHz): 6625

6.525-6.875GHz\_802.11be EHT80\_Nss1,(MCS0)\_1TX

PSD

6625MHz

27/04/2026

CF (Hz)  
6.625G

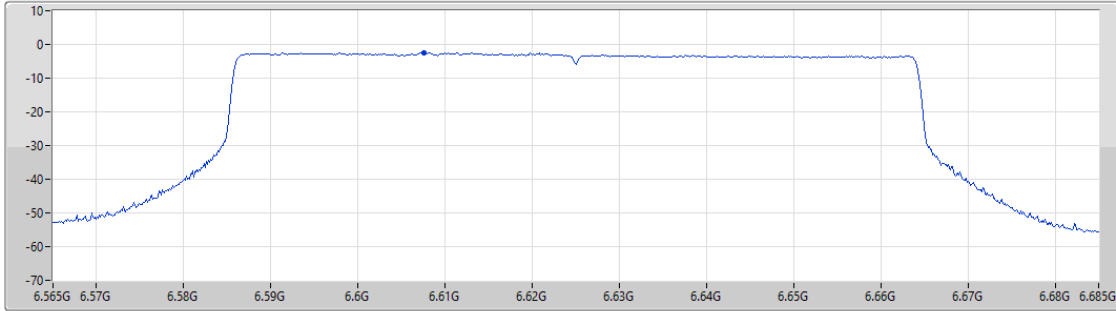
Span (Hz)  
120M

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) |
| -2.45    | -2.45    | -2.45    |

Frequency (MHz): 6385

5.925-6.425GHz\_802.11be EHT80\_Nss1,(MCS0)\_1TX

PSD

6385MHz

27/04/2026

CF (Hz)  
6.385G

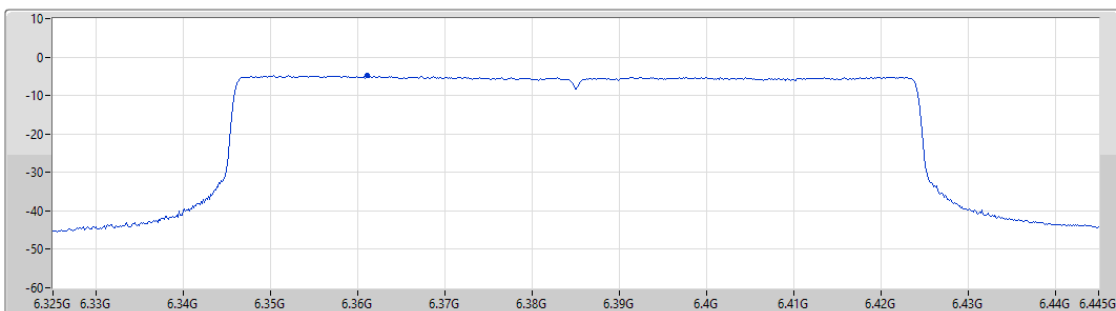
Span (Hz)  
120M

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) |
| -4.86    | -4.86    | -4.86    |

## CT\_AFC\_SP\_AP\_AFCDRSA31\_Frequency\_160MHz\_10614\_1

Frequency (MHz): 6025

5.925-6.425GHz\_802.11be EHT160\_Nss1,(MCS0)\_1TX

PSD

6025MHz

27/04/2026

CF (Hz)  
6.025G

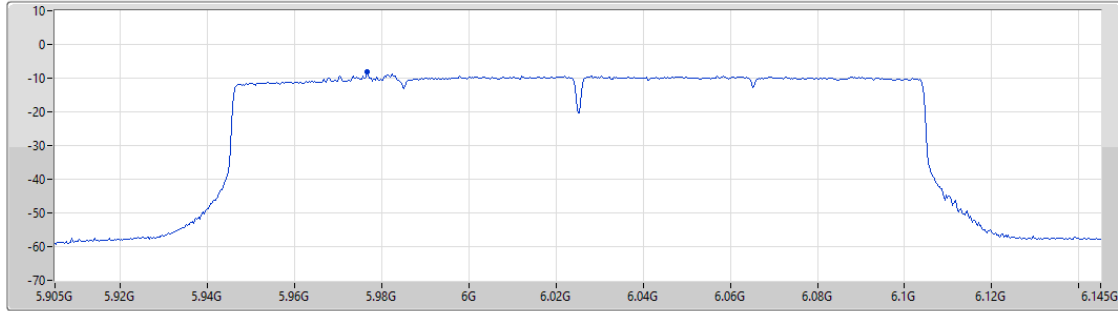
Span (Hz)  
240M

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) |
| -8.21    | -8.21    | -8.21    |

Frequency (MHz): 6665

6.525-6.875GHz\_802.11be EHT160\_Nss1,(MCS0)\_1TX

PSD

6665MHz

27/04/2026

CF (Hz)  
6.665G

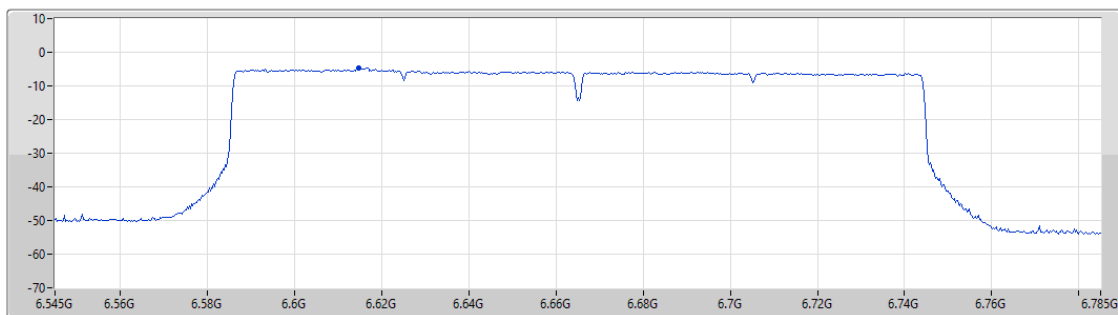
Span (Hz)  
240M

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) |
| -4.64    | -4.64    | -4.64    |

CT\_AFC\_SP\_AP\_AFCDRSA31\_Frequency\_320MHz\_10713\_1

Bandwidth: 320MHz

Frequency (MHz): 6105

5.925-6.425GHz\_802.11be EHT320\_Nss1,(MCS0)\_1TX

PSD

6105MHz

15/07/2026

CF (Hz)  
6.105G

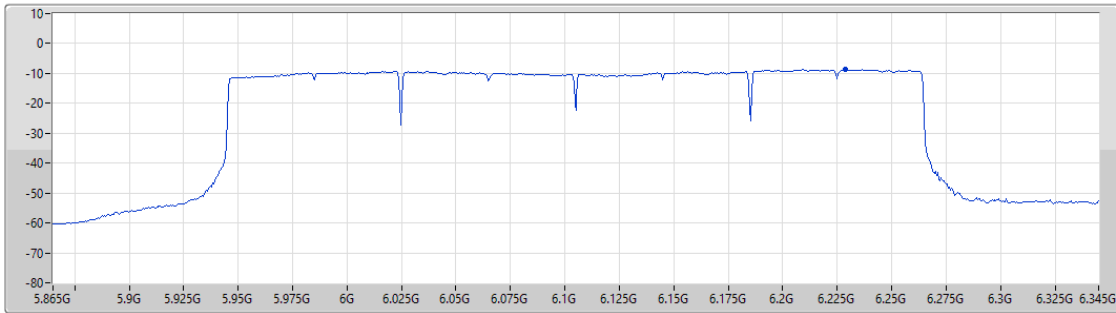
Span (Hz)  
480M

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) |
| -8.71    | -8.71    | -8.71    |

## CT\_AFC\_SP\_AP\_AFCDSAU33\_Frequency\_10616\_1

Bandwidth: 20MHz

Frequency (MHz): 6375

5.925-6.425GHz\_802.11be EHT20\_Nss1,(MCS0)\_1TX

PSD

6375MHz

27/04/2026

CF (Hz)  
6.375G

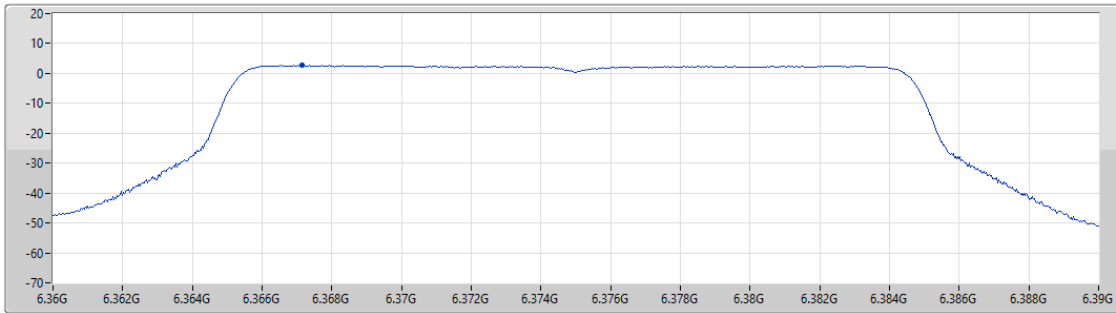
Span (Hz)  
30M

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) |
| 2.72     | 2.72     | 2.72     |

## Frequency (MHz): 5975

5.925-6.425GHz\_802.11be EHT20\_Nss1,(MCS0)\_1TX

PSD

5975MHz

27/04/2026

CF (Hz)  
5.975G

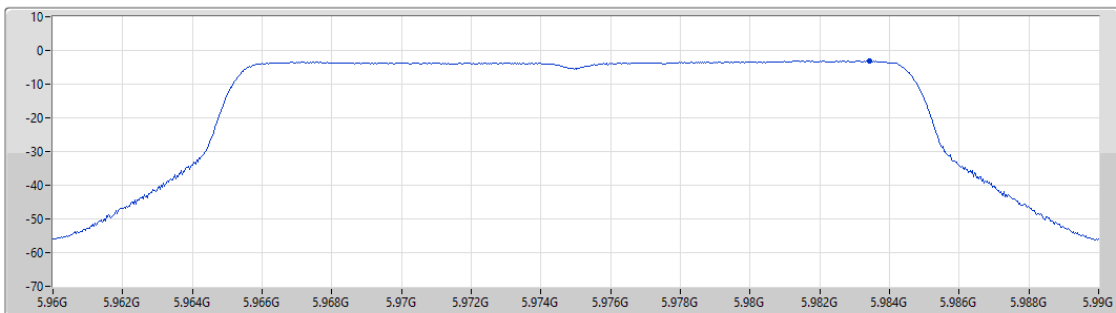
Span (Hz)  
30M

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) |
| -3.16    | -3.16    | -3.16    |

CT\_AFC\_SP\_AP\_AFCDUAU34\_Frequency\_10617\_1

Bandwidth: 20MHz

Frequency (MHz): 6775

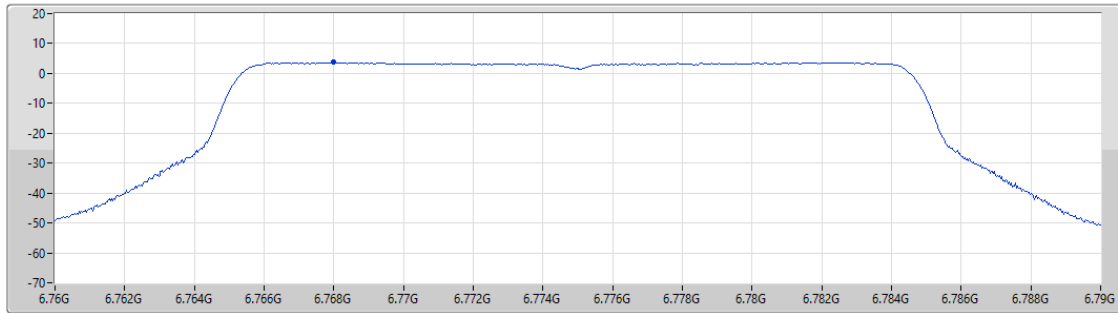
6.525-6.875GHz\_802.11be EHT20\_Nss1,(MCS0)\_1TX

PSD

6775MHz

27/04/2026

CF (Hz)  
6.775G  
Span (Hz)  
30M  
RBW (Hz)  
1M  
VBW (Hz)  
3M  
Sweep Time (s)  
20m  
Detector Type  
RMS

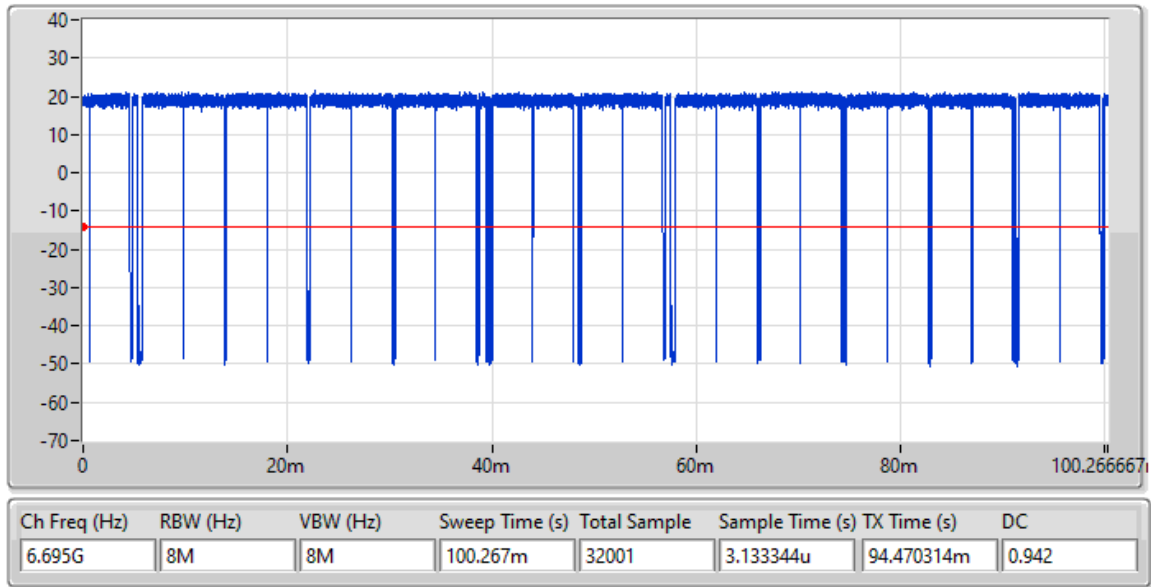


| Sum      | PD       | Port 1   |
|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 3.72     | 3.72     | 3.72     |

## Duty Cycle

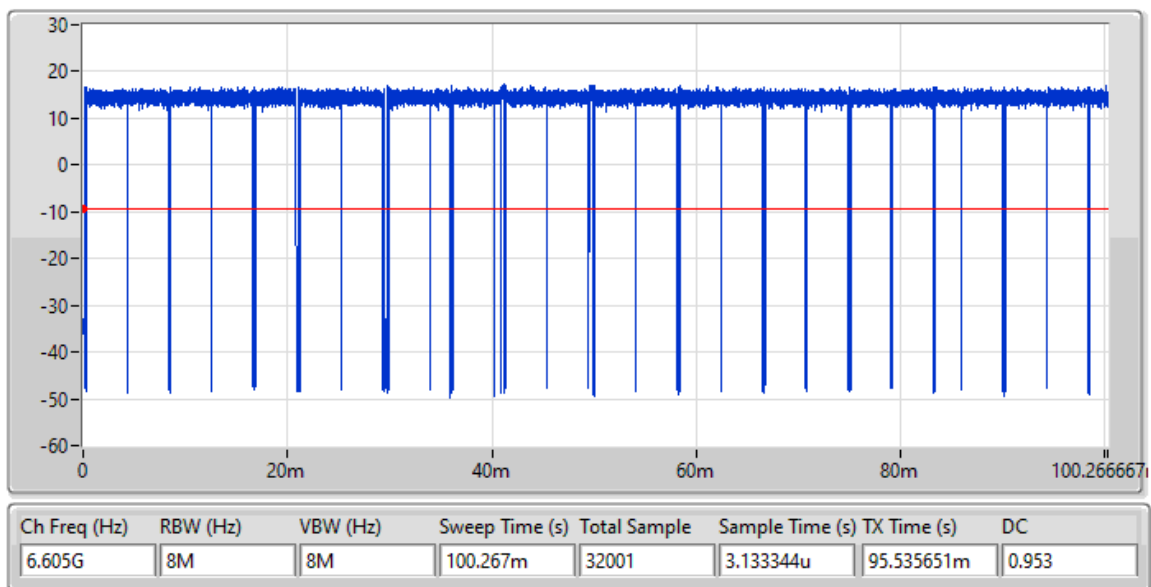
Bandwidth: 20MHz

DC;be20;BWch:20



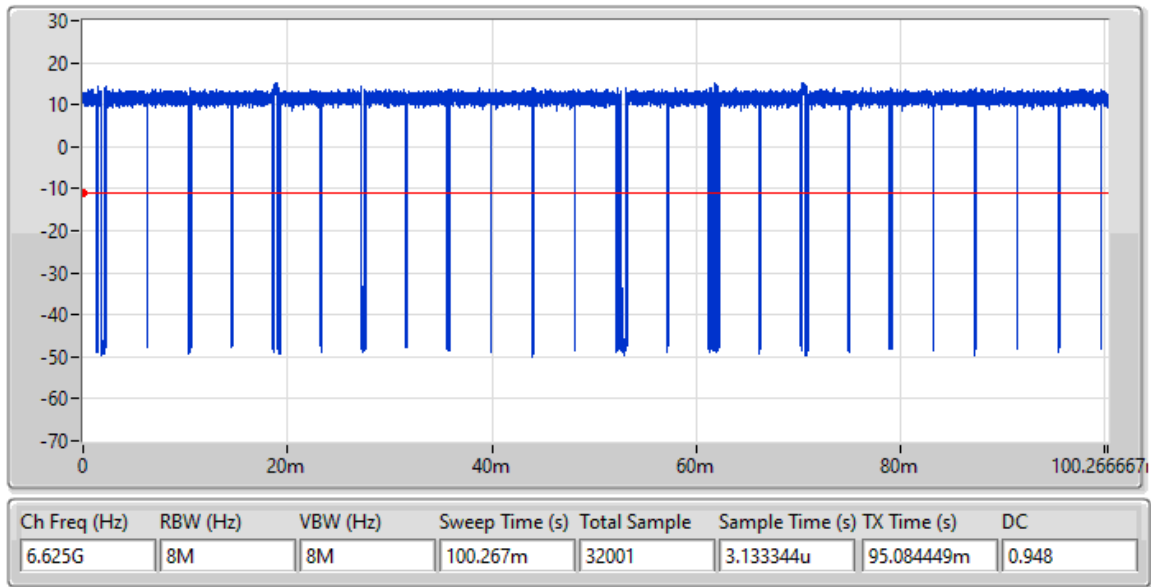
Bandwidth: 40MHz

DC;be40;BWch:40



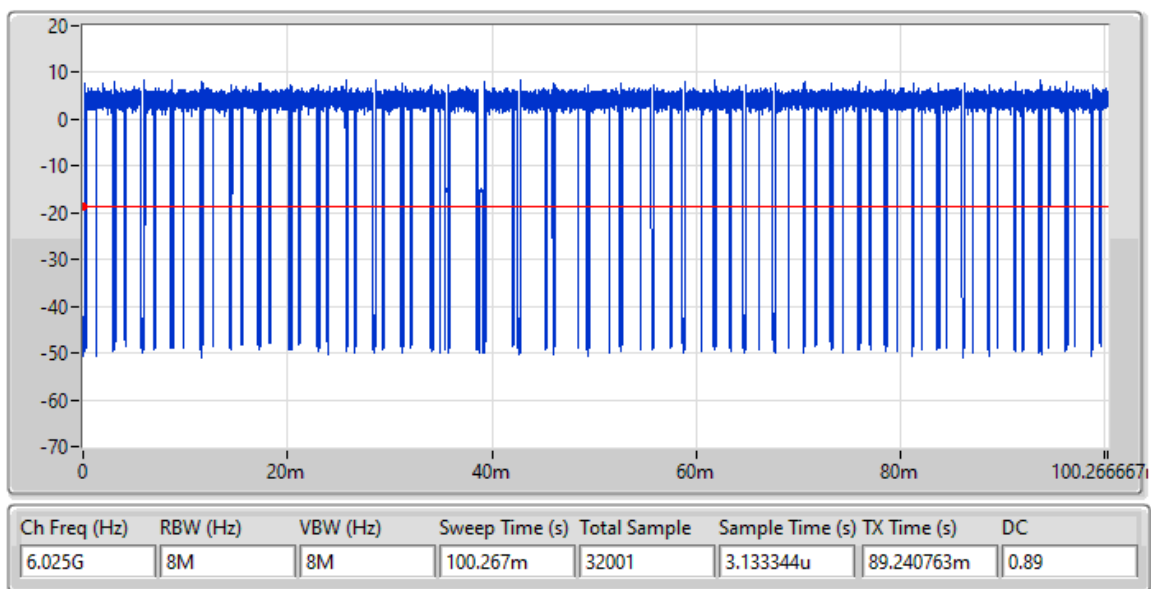
Bandwidth: 80MHz

DC;be80;BWch:80



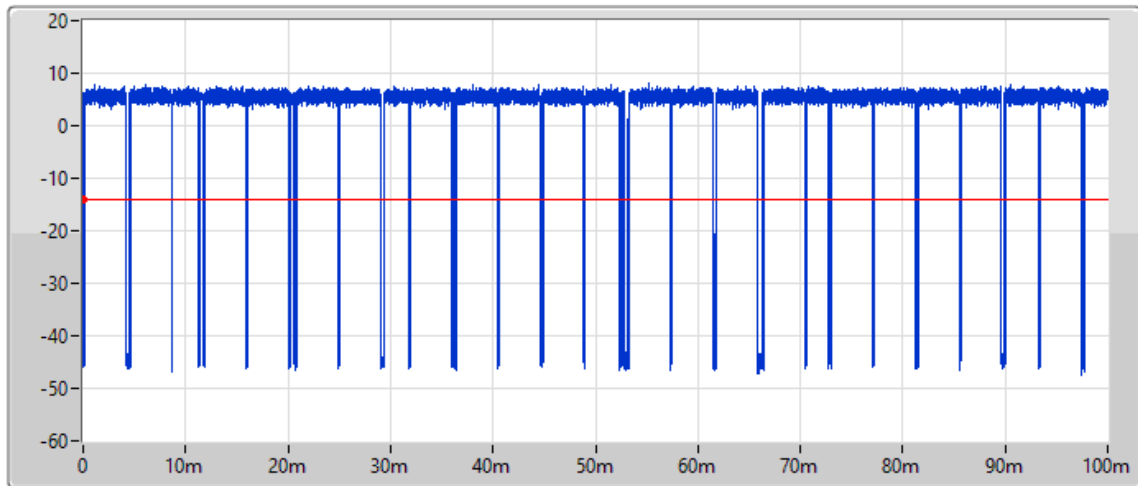
Bandwidth: 160MHz

DC;be160;BWch:160



Bandwidth: 320MHz

DC;be320;BWch:320



| Ch Freq (Hz) | RBW (Hz) | VBW (Hz) | Sweep Time (s) | Total Sample | Sample Time (s) | TX Time (s) | DC    |
|--------------|----------|----------|----------------|--------------|-----------------|-------------|-------|
| 6.105G       | 10M      | 10M      | 100m           | 32001        | 3.125u          | 93.31875m   | 0.933 |

————THE END————