



AFC DUT TEST HARNESS REPORT

FCC ID : 2ABZJ-100-60224-03

Equipment : C6

Brand Name : 

Model Name : C6

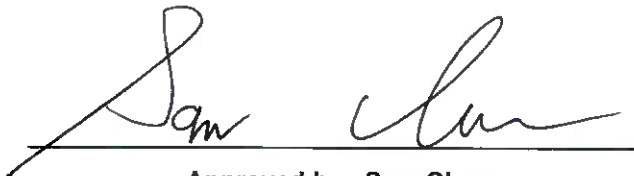
Applicant : Mimosa Networks, Inc.
3150 Coronado Drive, Santa Clara, California, United States, 95054

Manufacturer : Mimosa Networks, Inc.
3150 Coronado Drive, Santa Clara, California, United States, 95054

Standard : 47 CFR FCC Part 15.407

The product was received on Feb. 03, 2026, and testing was started from Feb. 03, 2026 and completed on Feb. 10, 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 variant 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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Appendix A. Tools Report

Appendix B. DUT Spectrum Inquiry Request/Response Logs

Appendix C. RF Measurement Plots

Photographs of EUT v01



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
AFC capability - Inquired Frequency				
Test Group: Inquired Frequency - Always				
-	3.1.4	CT_AFC_FC_STA_AFCDRSA31_Frequency_20MHz_10640_1	N/A	-
-	3.1.4	CT_AFC_FC_STA_AFCDRSA31_Frequency_40MHz_10641_1	N/A	-
-	3.1.4	CT_AFC_FC_STA_AFCDRSA31_Frequency_80MHz_10642_1	N/A	-
-	3.1.4	CT_AFC_FC_STA_AFCDRSA31_Frequency_160MHz_10643_1	N/A	-
-	3.2.4	CT_AFC_FC_STA_AFCDUSA32_Frequency_10644_1	N/A	-
-	3.3.4	CT_AFC_FC_STA_AFCDSAU33_Frequency_10645_1	N/A	-
-	3.4.4	CT_AFC_FC_STA_AFCDUAU34_Frequency_10646_1	N/A	-
-	3.1.4	CT_AFC_FC_STA_AFCDRSA31_Frequency_320MHz_10716_1	N/A	-
AFC capability - Inquired Channel				
Test Group: Inquired Channel - Always				
3.1	3.1.4	CT_AFC_FC_STA_AFCDRSA31_Channel_20MHz_10647_1	PASS	-
3.1	3.1.4	CT_AFC_FC_STA_AFCDRSA31_Channel_40MHz_10648_1	PASS	-
3.1	3.1.4	CT_AFC_FC_STA_AFCDRSA31_Channel_80MHz_10649_1	PASS	-
3.1	3.1.4	CT_AFC_FC_STA_AFCDRSA31_Channel_160MHz_10650_1	PASS	-
3.2	3.2.4	CT_AFC_FC_STA_AFCDUSA32_Channel_10651_1	PASS	-
3.3	3.3.4	CT_AFC_FC_STA_AFCDSAU33_Channel_10652_1	PASS	-
3.4	3.4.4	CT_AFC_FC_STA_AFCDUAU34_Channel_10653_1	PASS	-
-	3.1.4	CT_AFC_FC_STA_AFCDRSA31_Channel_320MHz_10717_1	N/A	-
AFC capability - Inquired Frequency & Channel				
Test Group: Inquired Frequency and Channel - Always				
-	3.1.4	CT_AFC_FC_STA_AFCDRSA31_FrequencyChannel_20MHz_10654_1	N/A	-
-	3.1.4	CT_AFC_FC_STA_AFCDRSA31_FrequencyChannel_40MHz_10655_1	N/A	-
-	3.1.4	CT_AFC_FC_STA_AFCDRSA31_FrequencyChannel_80MHz_10656_1	N/A	-
-	3.1.4	CT_AFC_FC_STA_AFCDRSA31_FrequencyChannel_160MHz_10657_1	N/A	-
-	3.2.4	CT_AFC_FC_STA_AFCDUSA32_FrequencyChannel_10658_1	N/A	-
-	3.3.4	CT_AFC_FC_STA_AFCDSAU33_FrequencyChannel_10659_1	N/A	-
-	3.4.4	CT_AFC_FC_STA_AFCDUAU34_FrequencyChannel_10660_1	N/A	-
-	3.1.4	CT_AFC_FC_STA_AFCDRSA31_FrequencyChannel_320MHz_10718_1	N/A	-
AFC capability - Server Validation – Mandatory				
Test Group: Server Validation - Always				
3.5	3.5.4	CT_AFC_ServerValidation_STA_AFCDUSV35_NonMatchSAN_10661_1	PASS	-
3.5	3.5.4	CT_AFC_ServerValidation_STA_AFCDUSV35_DifferentRootCA_10662_1	PASS	-
3.5	3.5.4	CT_AFC_ServerValidation_STA_AFCDUSV35_MatchSuffixSAN_10663_1	PASS	-
3.5	3.5.4	CT_AFC_ServerValidation_STA_AFCDUSV35_ServerCertRevoked_10664_1	PASS	-
3.5	3.5.4	CT_AFC_ServerValidation_STA_AFCDUSV35_OCSPStaplingDisabled_10665_1	PASS	-
3.5	3.5.4	CT_AFC_ServerValidation_STA_AFCDUSV35_StapledOCSPRespExpired_10666_1	PASS	-
3.5	3.5.4	CT_AFC_ServerValidation_STA_AFCDUSV35_TLSCipherSuiteENULL_10667_1	PASS	-
3.5	3.5.4	CT_AFC_ServerValidation_STA_AFCDUSV35_NoRootCA_10668_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:

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

Reviewed by: Sam Chen

Report Producer: Lavender Zeng



1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature of Equipment Under Test	
Power Type	From PoE
EUT Type	☐ Standard Power Access Point with Proxy ☐ Standard Power Access Point without Proxy ☐ Fixed Client with Proxy ☒ Fixed Client without Proxy
Bandwidth (MHz)	20 / 40 / 80 / 160
Condition of EUT	☐ Indoor ☒ Outdoor
Professional Installation	☐ Yes ☒ No
Firmware Version	N/A
Software Version	c6-as-ap-EF-FC85-17
Hardware Version	N/A

Note: The above information was declared by manufacturer.

1.2 Antenna Information

Ant.	Port	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	1~8	mimosa	4x4 array of printed patch elements on a printed circuit board	4x4 array of printed patch elements on a printed circuit board	I-PEX	Note 1

Note 1:

Ant.	Port			Gain (dBi)	Cable loss (dB)				
	WLAN 5GHz / 6GHz	Bluetooth	GPS		UNII1	UNII2A	UNII2C	UNII3	UNII5
1	1	-	-	14	1.44	1.46	1.56	1.62	1.77
	2	-	-	14	1.38	1.40	1.53	1.56	1.75
	3	-	-	14	1.30	1.32	1.43	1.48	1.62
	4	-	-	14	1.30	1.32	1.43	1.48	1.62
	5	-	-	14	1.30	1.32	1.43	1.48	1.62
	6	-	-	14	1.30	1.32	1.43	1.48	1.62
	7	-	-	14	1.30	1.32	1.43	1.48	1.62
	8	-	-	14	1.30	1.32	1.43	1.48	1.62

Ant.	Net Gain (dBi)				
	UNII1	UNII2A	UNII2C	UNII3	UNII5
1	12.56	12.54	12.44	12.38	12.23
	12.62	12.60	12.47	12.44	12.25
	12.70	12.68	12.57	12.52	12.38
	12.70	12.68	12.57	12.52	12.38
	12.70	12.68	12.57	12.52	12.38
	12.70	12.68	12.57	12.52	12.38
	12.70	12.68	12.57	12.52	12.38
	12.70	12.68	12.57	12.52	12.38

Note 2: The EUT is equipped with three antennas: Antenna 1 is used for WLAN, Antenna 2 for Bluetooth, and Antenna 3 for GPS. The EUT doesn't enable the Bluetooth function at this time.

Note 3: The above information was declared by manufacturer.

Note 4: Directional gain information.

<WLAN 5GHz>

Type	Maximum Output Power	Power Spectral Density
Non-BF	Directional gain = Max.gain + array gain. For power measurements on IEEE 802.11 devices Array Gain = 0 dB (i.e., no array gain) for NANT ≤ 4; Array Gain = 0 dB (i.e., no array gain) for channel widths ≥ 40 MHz for any NANT; Array Gain = 5 log(NANT/NSS) dB or 3 dB, whichever is less, for 20-MHz channel widths with NANT ≥ 5.	$Directional\ Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^N \left[\sum_{k=1}^N G_{j,k} ^2 \right]}{N_{ANT}} \right]$
BF	$Directional\ Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^N \left[\sum_{k=1}^N G_{j,k} ^2 \right]}{N_{ANT}} \right]$	$Directional\ Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^N \left[\sum_{k=1}^N G_{j,k} ^2 \right]}{N_{ANT}} \right]$

Ex.

Directional Gain (NSS1) formula :

$$Directional\ Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^N \left[\sum_{k=1}^N |G_{j,k}|^2 \right]}{N_{ANT}} \right]$$

$$NSS1(g_{1,1}) = 10^{G_{1,1}/20} ; NSS1(g_{1,2}) = 10^{G_{2,2}/20} ; NSS1(g_{1,3}) = 10^{G_{3,3}/20} ; NSS1(g_{1,4}) = 10^{G_{4,4}/20}$$

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

$$DG = 10 \log[(NSS1(g_{1,1}) + NSS1(g_{1,2}) + NSS1(g_{1,3}) + NSS1(g_{1,4}))^2 / N_{ANT}] \Rightarrow 10$$

$$\log[(10^{G_{1,1}/20} + 10^{G_{2,2}/20} + 10^{G_{3,3}/20} + 10^{G_{4,4}/20})^2 / N_{ANT}]$$

Where ;

Cross-Polarized Antenna

5G UNII-1 G1= 12.56 dBi ; G2= 12.62 dBi ; G3= 12.7 dBi ; G4= 12.7 dBi ; G5= 12.7 dBi ;

G6= 12.7 dBi ; G7= 12.7 dBi ; G8= 12.7 dBi ; DG= 12.67dBi

5G UNII-2A G1= 12.54 dBi ; G2= 12.6 dBi ; G3= 12.68 dBi ; G4= 12.68 dBi ; G5= 12.68 dBi ;

G6= 12.68 dBi ; G7= 12.68 dBi ; G8= 12.68 dBi ; DG= 12.65dBi

5G UNII-2C G1= 12.44 dBi ; G2= 12.47 dBi ; G3= 12.57 dBi ; G4= 12.57 dBi ; G5= 12.57 dBi ;

G6= 12.57 dBi ; G7= 12.57 dBi ; G8= 12.57 dBi ; DG= 12.54dBi

5G UNII-3 G1= 12.38 dBi ; G2= 12.44 dBi ; G3= 12.52 dBi ; G4= 12.52 dBi ; G5= 12.52 dBi ;

G6= 12.52 dBi ; G7= 12.52 dBi ; G8= 12.52 dBi ; DG= 12.49dBi

<For 5GHz function>

For IEEE 802.11ac/ax (8TX/8RX, Nss4)

Port 1~8 can be used as transmitting/receiving antenna.

Port 1~8 could transmit/receive simultaneously.

<For 6GHz function>

For IEEE 802.11ax (8TX/8RX, Nss4)

Port 1~8 can be used as transmitting/receiving antenna.

Port 1~8 could transmit/receive simultaneously.



1.3 Table for Permissive Change

This product is an extension of original one reported under Sporton project number: 572206

Below is the table for the change of the product with respect to the original one.

Modifications	Performance Checking
Add Fixed client (6FC) for this device via Firmware by factory.	All test items

1.4 Accessories

Power	Brand	Model	Rating
PoE	mimosa	G0566-500-120	Input: 100-240V~50/60Hz, MAX 1.5A Output: 50.0V, 1.2A, 60.0W
Others			
Plastic rotating cover*1			
Power cable*1: Non-Shielding, 0.75m			

1.5 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 AP	Mimosa	A6	N/A

1.6 Applicable Standards

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

- ♦ 47 CFR FCC Part 15.407

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

- ♦ AFC Device (AFC DUT) Compliance Test Plan Version 1.7
- ♦ FCC KDB 987594 D05 v01r01



1.7 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 (°C / %)	Test Date
RF Conducted	DF01-CB	Young Yang	20.2-21.6 / 67-71	Feb. 03 , 2026~ Feb. 10, 2026



2 Measurement Environment

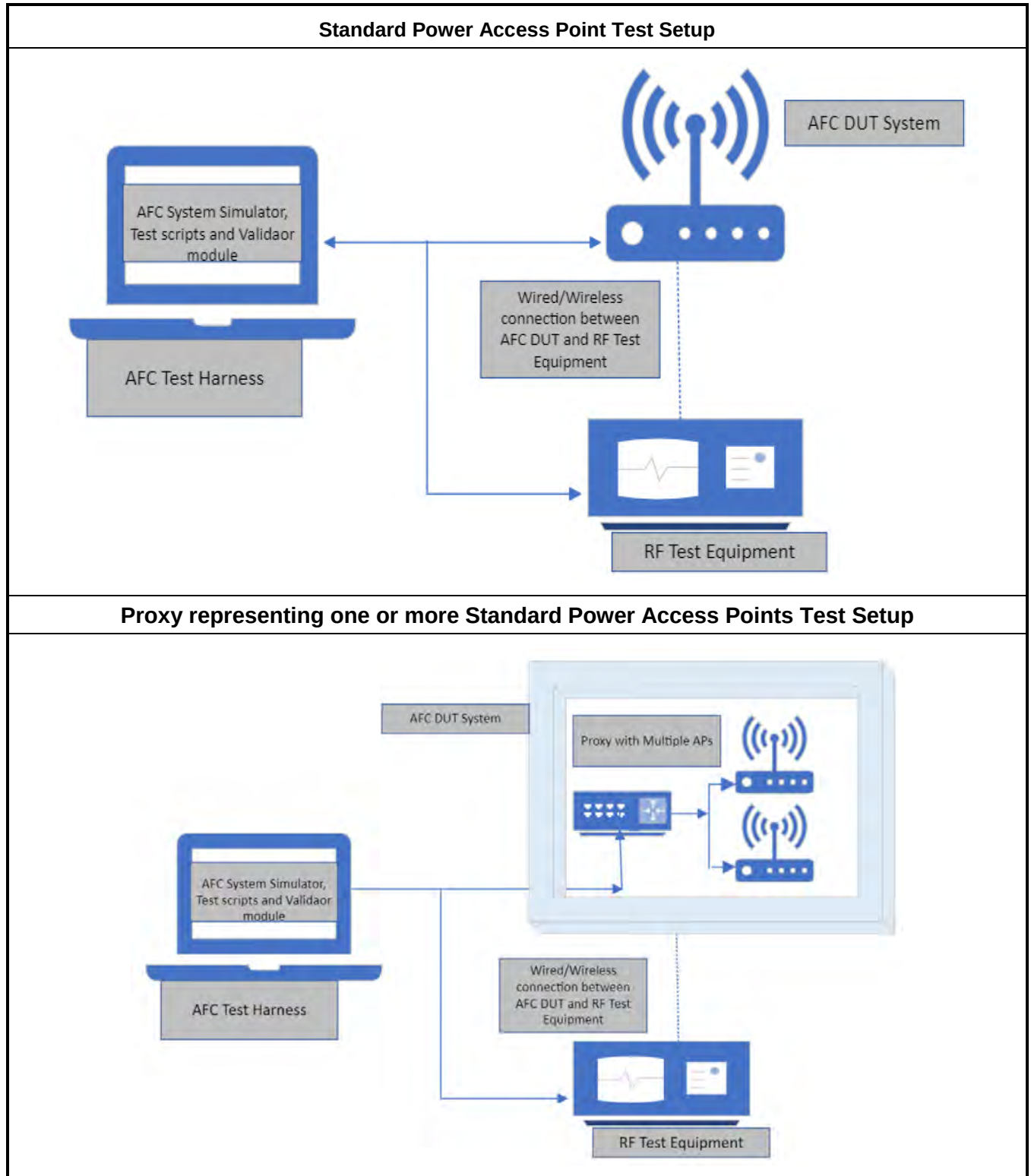
Measurement Environment Information	
AFC DUT Test Harness version	2.0.65.184

2.1 AFCD General Capabilities Declaration

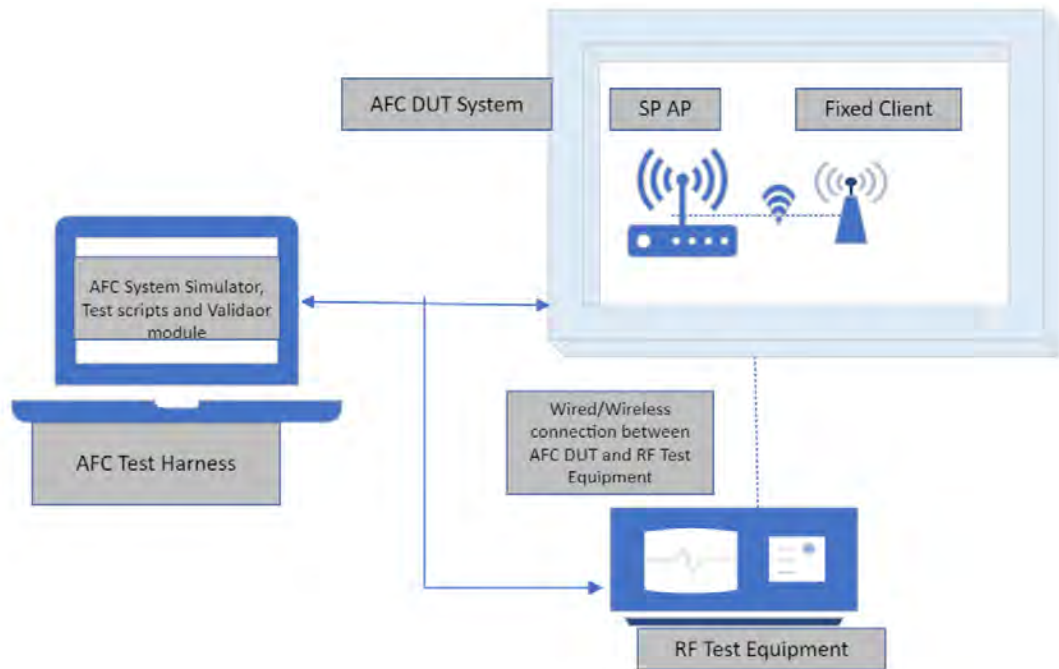
Item	Question	Vendor Response
1	AFC DUT Type	Fixed Client
2	Does the AFC DUT supports sending an Available Spectrum Inquiry Request based on the inquired Frequency Range field?	No
3	Does the AFC DUT supports sending an Available Spectrum Inquiry Request based on the inquired Channels fields?	Yes
4	If 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?	-
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?	In-band
11	Does the AFC DUT supports 320 MHz channel width operation?	No

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. 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. Configure the AFC DUT with AFC System URL and server root certificate. 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: • In the band if the AFC DUT supports only SP operation Or • Above LPI limits for AFC DUT whose manufacturer attests to its compliance with rules for LPI operation Wait for 60 seconds RF Test Equipment monitors any transmission by the AFC DUT conforms to the following: • 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. • 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	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) RF Test Equipment monitors any transmission by the AFC DUT conforms to the following: • 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. • 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.
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. Configure the AFC DUT with AFC System URL and server root certificate. 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. 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. Configure the AFC DUT with AFC System URL and server root certificate. 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: • For SP only operation, AFC DUT does not transmit in the band. • For AFC DUT whose manufacturer attests to its compliance with rules for LPI operation, the AFC DUT does not transmit above LPI limits.
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. Configure the AFC DUT with AFC System URL and server root certificate. 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 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. 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. Configure the AFC DUT with AFC System URL and server root certificate. 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: • In the band if the AFC DUT supports only SP operation Or • Above LPI limits for AFC DUT whose manufacturer attests to its compliance with rules for LPI operation Wait for 60 seconds RF Test Equipment monitors any transmission by the AFC DUT conforms to the following: • 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. • 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. 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. Configure the AFC DUT with AFC System URL and server root certificate.
8	Wait for 60 seconds 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 • For SP only operation, AFC DUT does not transmit in the band. • For AFC DUT whose manufacturer attests to its compliance with rules for LPI operation, the AFC DUT does not transmit above LPI limits. 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. • During the 60 seconds wait time: ▪ 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 ▪ 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
11	Wait for 60 seconds RF Test Equipment monitors any transmission by the AFC DUT conforms to the following: • 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. • 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.
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. Configure the AFC DUT with AFC System URL and server root certificate. 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 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. 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. Configure the AFC DUT with AFC System URL and server root certificate
21	Wait for 60 seconds 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. 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. 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 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. 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. Configure the DUT with AFC System URL and server root certificate. 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: • In the band if the AFC DUT supports only SP operation Or • Above LPI limits for AFC DUT whose manufacturer attests to its compliance with rules for LPI operation Wait for 60 seconds RF Test Equipment monitors any transmission by the AFC DUT conforms to the following: • 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. 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. 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. Configure the AFC DUT with AFC System URL and server root certificate.
8	Wait for 60 seconds • 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: ▪ For SP only operation, AFC DUT does not transmit in the band, ▪ For AFC DUT whose manufacturer attests to its compliance with rules for LPI operation, the AFC DUT does not transmit above LPI limits. • If the AFC DUT sends an Available Spectrum Inquiry Request, then CONTINUE with Step 8
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. 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. Configure the AFC DUT with AFC System URL and server root certificate. 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 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. 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. Configure the AFC DUT with AFC System URL and server root certificate
21	Wait for 60 seconds 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., 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 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	The AFC DUT set to Initial Pre-test State. 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. 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: - 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 - 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 - 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 - 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 - Run 5: Same configuration as per Section 2.3.1, except OCSP stapling is disabled and CRL/OCSP servers are not available - Run 6: Same configuration as per Section 2.3.1, except stapled OCSP response has expired and CRL/OCSP servers are not available - Run 7: Same configuration as per Section 2.3.1, except only the TLS cipher suite "eNULL" (no encryption) is enabled - Run 8: N/A (same configuration as per Section 2.3.1) Configure the AFC DUT with the AFC System URL and the following root certificate: - Runs 1-7: Root certificate as per Section 2.3.1 - Run 8: No root certificate 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.
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
Spectrum Analyzer	R&S	FSV40	101026	9kHz~40GHz	Dec. 04, 2025	Dec. 03, 2026	Conducted (DF01-CB)
RF Cable-high	Woken	RG402	High Cable-52	1 GHz ~18 GHz	Sep. 30, 2025	Sep. 29, 2026	Conducted (DF01-CB)
RF Cable-high	Woken	RG402	High Cable-53	1 GHz ~18 GHz	Sep. 30, 2025	Sep. 29, 2026	Conducted (DF01-CB)
RF Cable-high	Woken	RG402	High Cable-54	1 GHz ~18 GHz	Sep. 30, 2025	Sep. 29, 2026	Conducted (DF01-CB)
RF Cable-high	Woken	RG402	High Cable-56	1 GHz ~18 GHz	Sep. 30, 2025	Sep. 29, 2026	Conducted (DF01-CB)
RF Power Divider	MTJ	4 Way	DF01-DV01	1GHz ~ 6GHz	Sep. 20, 2025	Sep. 19, 2026	Conducted (DF01-CB)
RF Power Divider	Titan	2 Way	DV-8G -09	2GHz ~ 8GHz	Sep. 20, 2025	Sep. 19, 2026	Conducted (DF01-CB)
RF Power Divider	Titan	2 Way	DV-8G -10	2GHz ~ 8GHz	Sep. 20, 2025	Sep. 19, 2026	Conducted (DF01-CB)
RF Power Divider	Titan	2 Way	DV-8G -11	2GHz ~ 8GHz	Sep. 20, 2025	Sep. 19, 2026	Conducted (DF01-CB)

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



5 Measurement Uncertainty

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

AFC DUT Compliance Test Report

DUT Information

AFC DUT System	Fixed Client
DUT Vendor Name	Mimosa
DUT Product Model	C6

Test Result

FCC Requirements	TestCaseName	Test Result
15.407(k)(8)(v)	CT_AFC_ServerValidation_STA_AFCDUSV35_NoRootCA_10668_1(Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_STA_AFCDUSV35_TLSCipherSuiteENULL_10667_1(Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_STA_AFCDUSV35_StapledOCSPRespExpired_10666_1(Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_STA_AFCDUSV35_OCSPStaplingDisabled_10665_1(Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_STA_AFCDUSV35_ServerCertRevoked_10664_1(Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_STA_AFCDUSV35_MatchSuffixSAN_10663_1(Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_STA_AFCDUSV35_DifferentRootCA_10662_1(Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_STA_AFCDUSV35_NonMatchSAN_10661_1(Unsuccessful server validation)	PASS
15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(9)(i)	CT_AFC_FC_STA_AFCDUAU34_Channel_10653_1(Unsuccessful spectrum access update)	PASS

15.407(k)(8) (i), 15.407(k) (8)(ii), 15.407(k)(9) (i)	<u>CT AFC FC STA AFCDSAU33_Channel_10652_1 (Successful spectrum access update)</u>	PASS
15.407(k)(1), 15.407(k)(8) (i), 15.407(k) (8)(ii), 15.407(k)(8) (iii)	<u>CT AFC FC STA AFCDUSA32_Channel_10651_1 (Unsuccessful registration and spectrum access request)</u>	PASS
15.407(k)(1), 15.407(k)(8) (i), 15.407(k) (8)(ii), 15.407(k)(8) (iii), 15.407(l) (ii), 15.407(k) (8)(iv)	<u>CT AFC FC STA AFCDRSA31_Channel_160MHz_10650_1 (Successful registration and spectrum access request)</u>	PASS
15.407(k)(1), 15.407(k)(8) (i), 15.407(k) (8)(ii), 15.407(k)(8) (iii), 15.407(l) (ii), 15.407(k) (8)(iv)	<u>CT AFC FC STA AFCDRSA31_Channel_80MHz_10649_1 (Successful registration and spectrum access request)</u>	PASS
15.407(k)(1), 15.407(k)(8) (i), 15.407(k) (8)(ii), 15.407(k)(8) (iii), 15.407(l) (ii), 15.407(k) (8)(iv)	<u>CT AFC FC STA AFCDRSA31_Channel_40MHz_10648_1 (Successful registration and spectrum access request)</u>	PASS
15.407(k)(1), 15.407(k)(8) (i), 15.407(k) (8)(ii), 15.407(k)(8) (iii), 15.407(l) (ii), 15.407(k) (8)(iv)	<u>CT AFC FC STA AFCDRSA31_Channel_20MHz_10647_1 (Successful registration and spectrum access request)</u>	PASS

Test Measurements

TestCaseName: CT_AFC_ServerValidation_STA_AFCDUSV35_NoRootCA_10668_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_STA_AFCDUSV35_TLSCipherSuiteENULL_10667_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_STA_AFCDUSV35_StapledOCSPRespExpired_10666_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_STA_AFCDUSV35_OCSPStaplingDisabled_10665_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_STA_AFCDUSV35_ServerCertRevoked_10664_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_STA_AFCDUSV35_MatchSuffixSAN_10663_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